

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\
 Data File : VN055589.D
 Acq On : 14 May 2019 12:47
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 1:31:49 PM

Quant Time: May 15 07:10:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051419W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 06:47:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	723443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1245928	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1082192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	455919	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	514345	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
35) Dibromofluoromethane	7.59	113	405762	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
50) Toluene-d8	10.09	98	1600172	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.40	95	526093	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	349238	47.281	ug/l	100
3) Chloromethane	2.06	50	531949	44.765	ug/l	100
4) Vinyl Chloride	2.19	62	532012	47.084	ug/l	100
5) Bromomethane	2.54	94	306765	49.108	ug/l	100
6) Chloroethane	2.69	64	324511	48.861	ug/l	100
7) Trichlorofluoromethane	3.01	101	595370	47.981	ug/l	100
8) Diethyl Ether	3.41	74	267099	47.935	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	376634	47.682	ug/l	100
10) Methyl Iodide	3.95	142	534597	50.351	ug/l	100
11) Tert butyl alcohol	4.81	59	327829	212.300	ug/l	100
12) 1,1-Dichloroethene	3.73	96	384732	48.565	ug/l	100
13) Acrolein	3.60	56	313652	282.040	ug/l	100
14) Allyl chloride	4.32	41	746326	46.592	ug/l	100
15) Acrylonitrile	4.99	53	1096606	225.033	ug/l	100
16) Acetone	3.82	43	1117232	224.306	ug/l	100
17) Carbon Disulfide	4.04	76	1106342	50.868	ug/l	100
18) Methyl Acetate	4.33	43	443862	36.469	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1225085	47.077	ug/l	100
20) Methylene Chloride	4.55	84	456313	44.469	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	422615	49.129	ug/l	100
22) Diisopropyl ether	5.95	45	1542015	47.441	ug/l	100
23) Vinyl Acetate	5.90	43	6037418	241.357	ug/l	100
24) 1,1-Dichloroethane	5.85	63	830198	46.936	ug/l	100
25) 2-Butanone	6.84	43	1531879	225.839	ug/l	100
26) 2,2-Dichloropropane	6.82	77	532480	48.353	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	485730	49.119	ug/l	100
28) Bromochloromethane	7.19	49	407153	44.996	ug/l	100
29) Tetrahydrofuran	7.22	42	980750	218.521	ug/l	100
30) Chloroform	7.37	83	768166	47.037	ug/l	100
31) Cyclohexane	7.65	56	800847	45.732	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	608497	48.760	ug/l	100
36) 1,1-Dichloropropene	7.79	75	604342	49.498	ug/l	100
37) Ethyl Acetate	6.93	43	593153	45.421	ug/l	100
38) Carbon Tetrachloride	7.77	117	501539	48.507	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	712266	47.879	ug/l	100
40) Benzene	8.04	78	1856978	49.061	ug/l	100
41) Methacrylonitrile	7.17	41	292009	48.303	ug/l	100
42) 1,2-Dichloroethane	8.12	62	609899	46.031	ug/l	100
43) Isopropyl Acetate	8.17	43	918892	46.461	ug/l	100
44) Trichloroethene	8.83	130	448368	49.439	ug/l	100
45) 1,2-Dichloropropane	9.12	63	510086	47.203	ug/l	100
46) Dibromomethane	9.21	93	296730	47.409	ug/l	100
47) Bromodichloromethane	9.40	83	590741	49.131	ug/l	100
48) Methyl methacrylate	9.20	41	446261	46.691	ug/l	100
49) 1,4-Dioxane	9.20	88	166629	900.371	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	2880571	222.520	ug/l	100
52) Toluene	10.16	92	1088314	50.233	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	593775	51.660	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	719573	52.223	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	423118	48.307	ug/l	100
56) Ethyl methacrylate	10.43	69	626330	48.571	ug/l	100
57) 1,3-Dichloropropane	10.71	76	747207	48.217	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	867325	244.046	ug/l	100
59) 2-Hexanone	10.75	43	1994206	219.993	ug/l	100
60) Dibromochloromethane	10.90	129	410611	51.526	ug/l	100
61) 1,2-Dibromoethane	11.00	107	415248	49.484	ug/l	100
64) Tetrachloroethene	10.63	164	418463	47.292	ug/l	100
65) Chlorobenzene	11.43	112	1104601	49.711	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	390967	50.945	ug/l	100
67) Ethyl Benzene	11.51	91	2026459	48.812	ug/l	100
68) m/p-Xylenes	11.62	106	1498034	100.265	ug/l	100
69) o-Xylene	11.95	106	730205	49.795	ug/l	100
70) Styrene	11.96	104	1219916	52.054	ug/l	100
71) Bromoform	12.13	173	269626	52.461	ug/l	100
73) Isopropylbenzene	12.25	105	1908383	42.833	ug/l	100
74) N-amyl acetate	12.07	43	742206	43.927	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	586043	40.577	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	481491m	39.458	ug/l	
77) Bromobenzene	12.53	156	449157	44.721	ug/l	100
78) n-propylbenzene	12.59	91	2194193	45.122	ug/l	100
79) 2-Chlorotoluene	12.67	91	1323538	43.738	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1621942	44.796	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	146882	44.612	ug/l	100
82) 4-Chlorotoluene	12.77	91	1297017	45.327	ug/l	100
83) tert-Butylbenzene	12.99	119	1342596	43.309	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1557350	46.914	ug/l	100
85) sec-Butylbenzene	13.17	105	1794725	43.620	ug/l	100
86) p-Isopropyltoluene	13.29	119	1541275	46.037	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	749295	48.459	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	728740	47.699	ug/l	100
89) n-Butylbenzene	13.61	91	1215326	47.300	ug/l	100
90) Hexachloroethane	13.87	117	241425	44.147	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	746557	48.248	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	91034	44.434	ug/l	100

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ClientSampleId :
VSTDICCC050

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Quant Title : SW846 8260
QLast Update : Wed May 15 06:47:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	294790	56.331	ug/l	100
94) Hexachlorobutadiene	15.01	225	225893	40.758	ug/l	100
95) Naphthalene	15.13	128	775219	50.696	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	317629	51.770	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

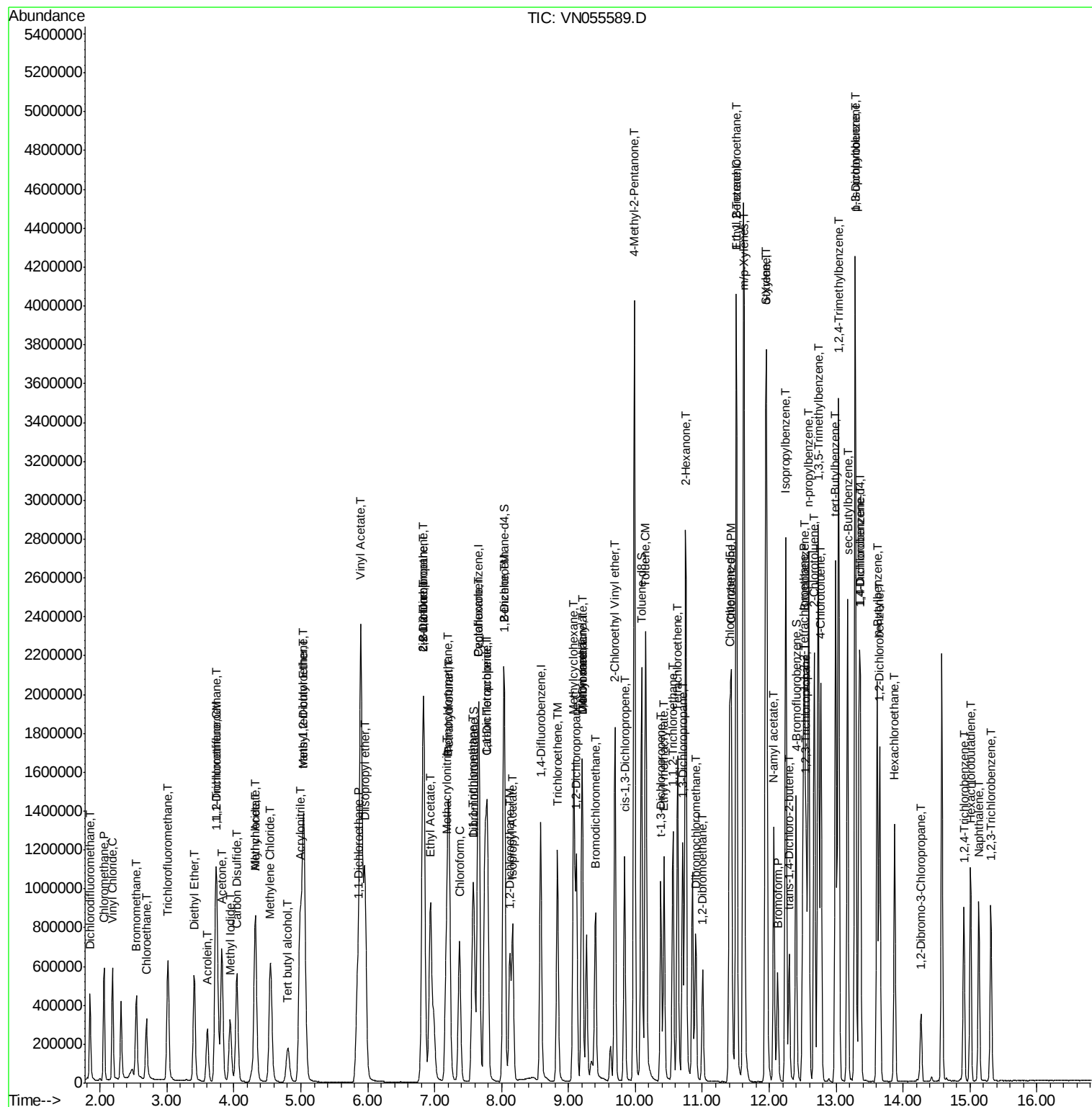
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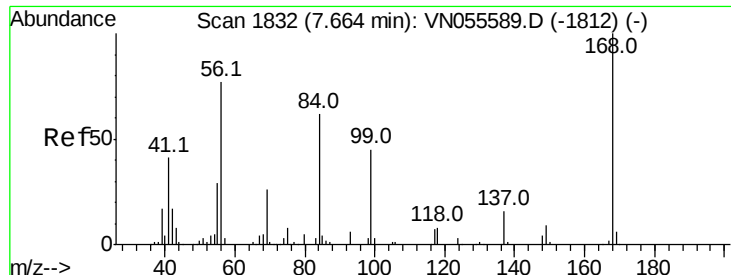
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDICCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 723443

Ion Ratio Lower Upper

168 100

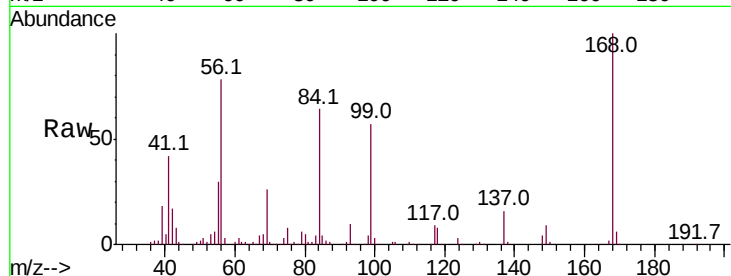
99 55.7 44.6 66.8

Manual Integrations

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5/16/2019 1:31:49 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

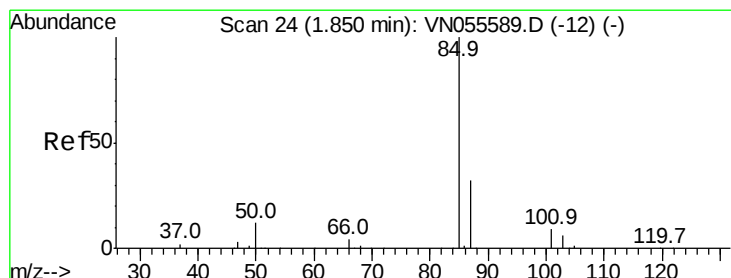
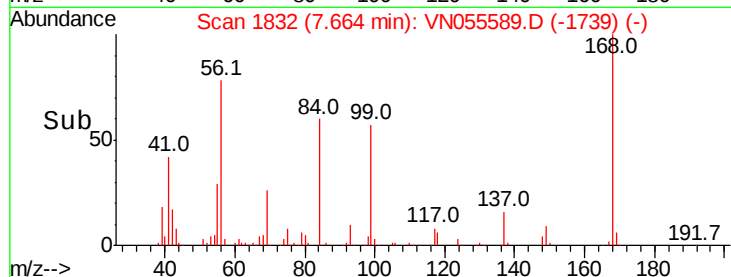
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.281 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055589.D

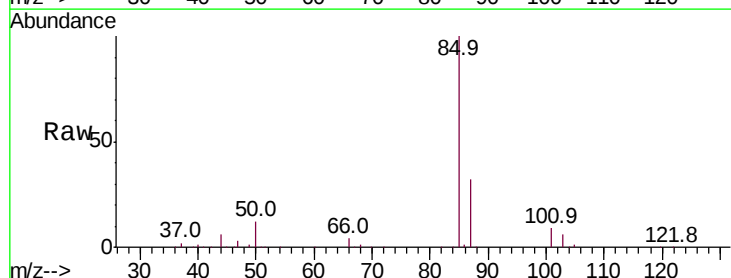
Acq: 14 May 2019 12:47

Tgt Ion: 85 Resp: 349238

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

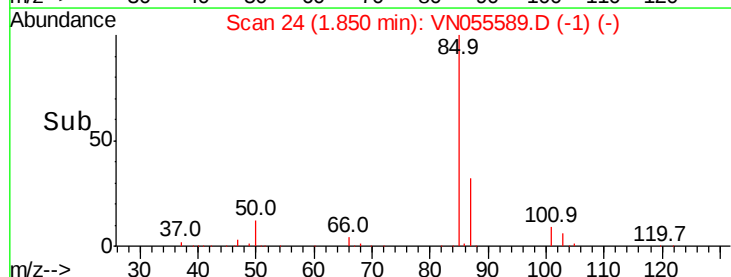
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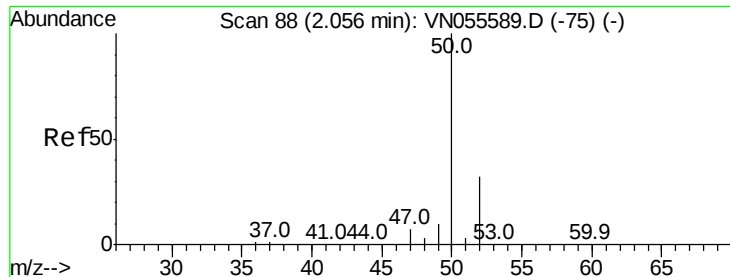
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50000

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Time-->





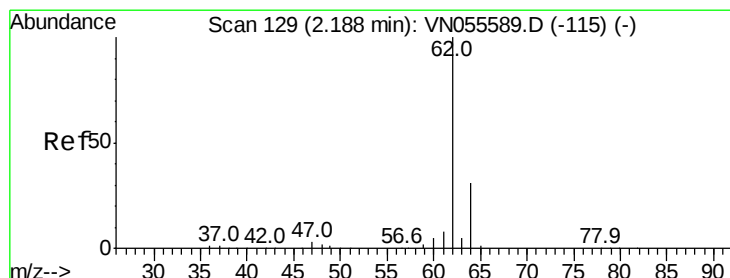
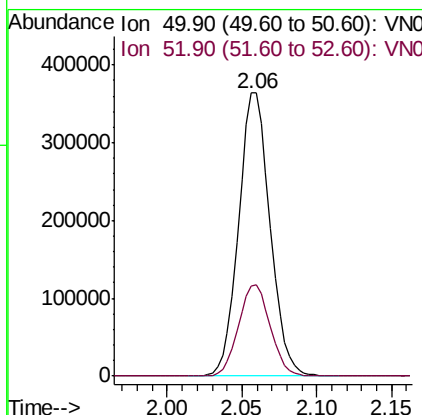
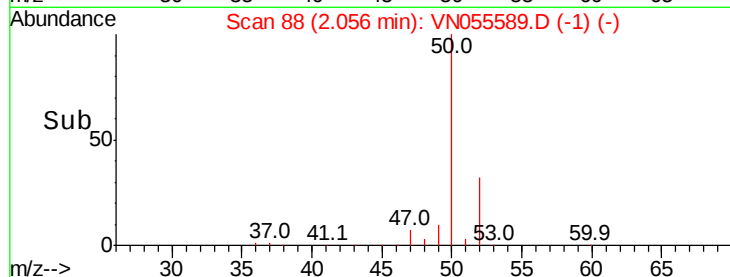
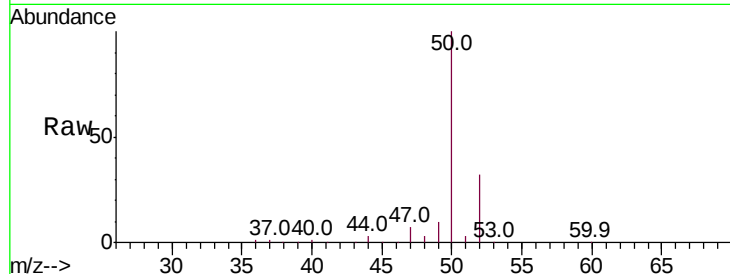
#3
Chloromethane
Concen: 44.765 ug/l
RT: 2.06 min Scan# 88
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 50 Resp: 531949
Ion Ratio Lower Upper
50 100
52 31.9 25.5 38.3

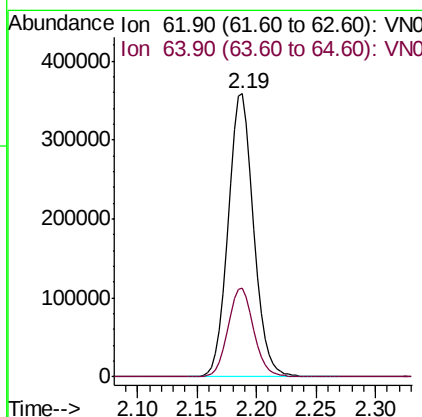
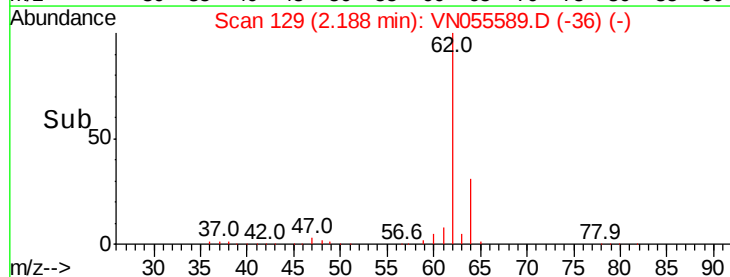
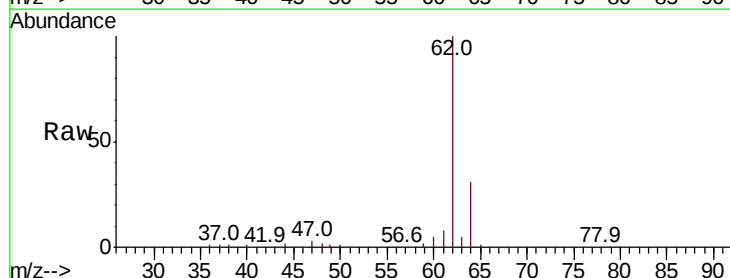
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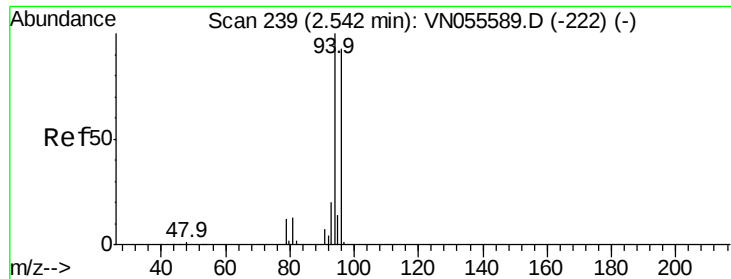
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#4
Vinyl Chloride
Concen: 47.084 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion: 62 Resp: 532012
Ion Ratio Lower Upper
62 100
64 31.4 25.1 37.7





#5

Bromomethane

Concen: 49.108 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 306765

Ion Ratio Lower Upper

94 100

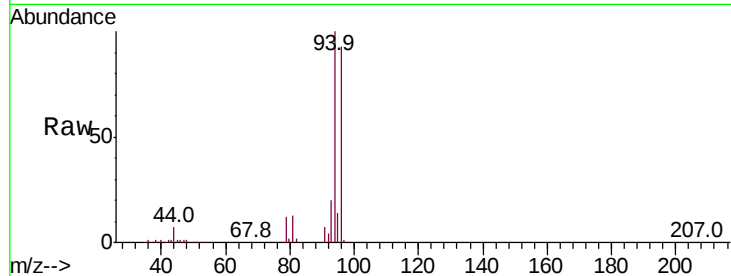
96 92.5 74.0 111.0

Manual Integrations

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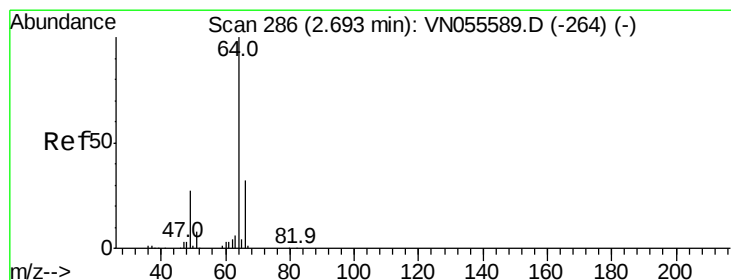
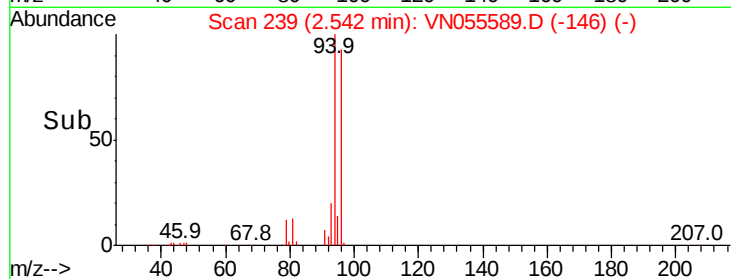
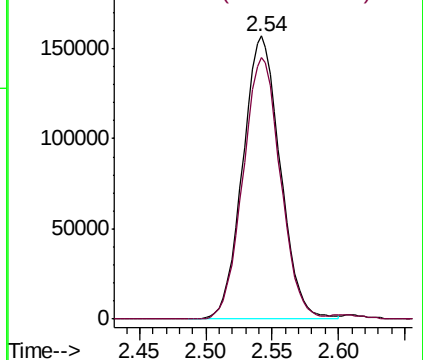
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 48.861 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN055589.D

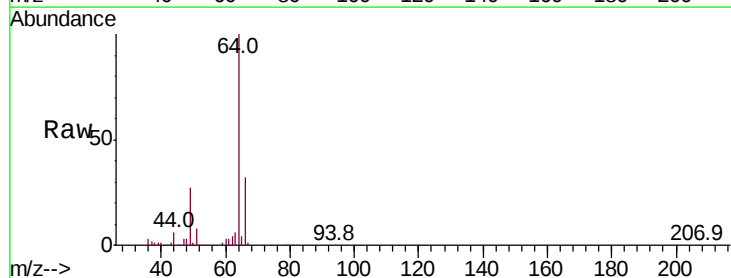
Acq: 14 May 2019 12:47

Tgt Ion: 64 Resp: 324511

Ion Ratio Lower Upper

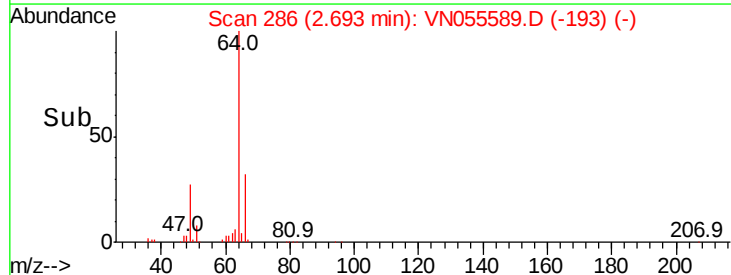
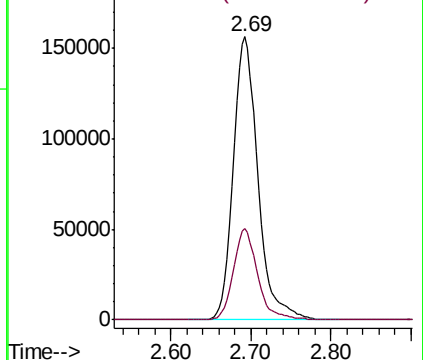
64 100

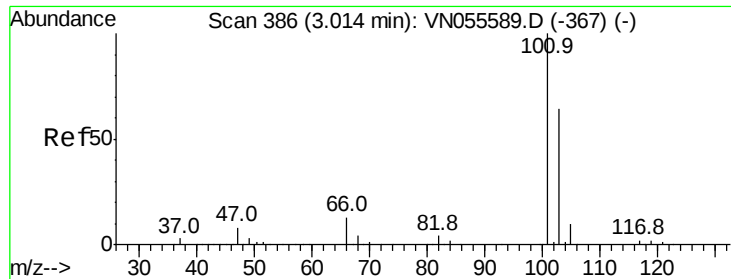
66 32.2 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

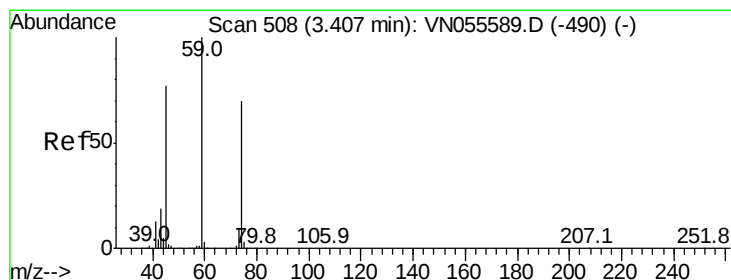
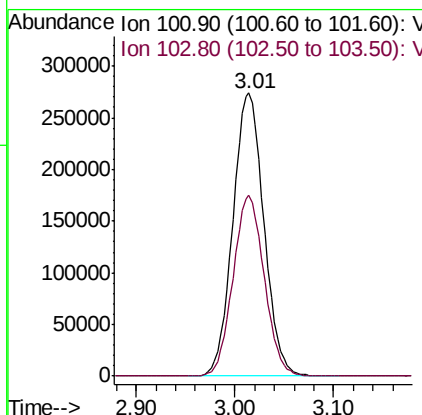
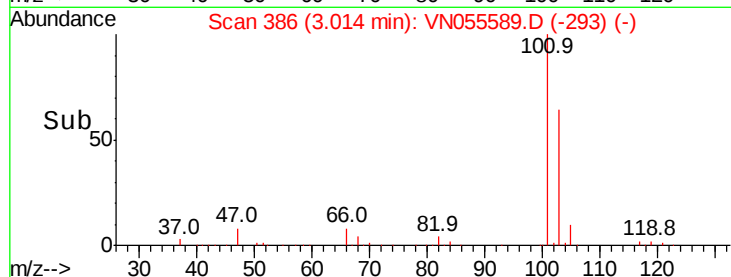
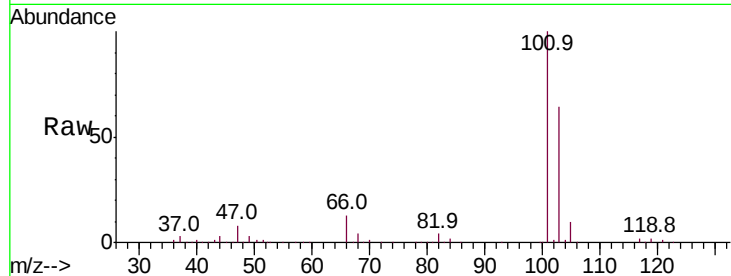
Trichlorofluoromethane
Concen: 47.981 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.0	76.6

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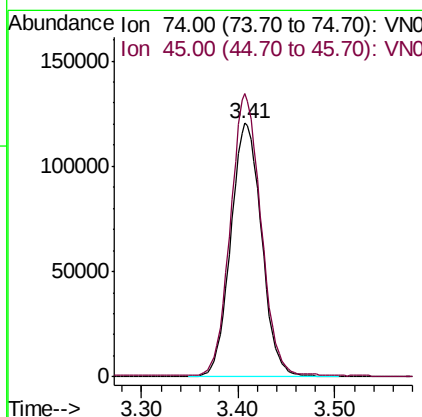
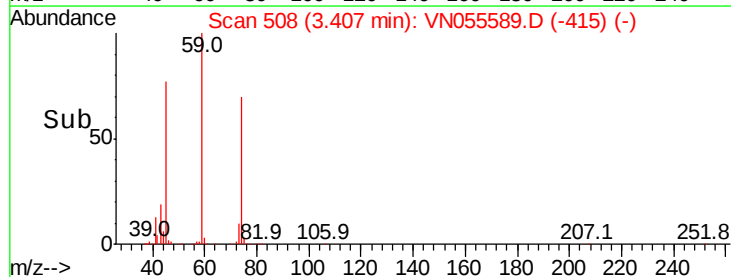
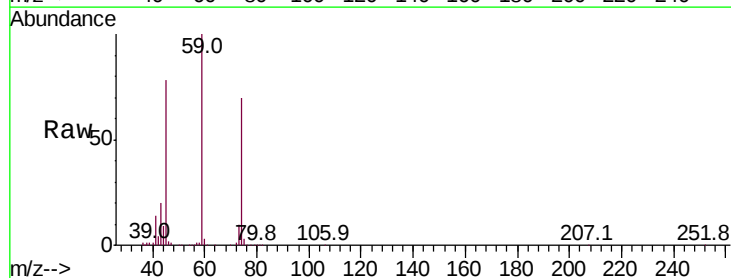
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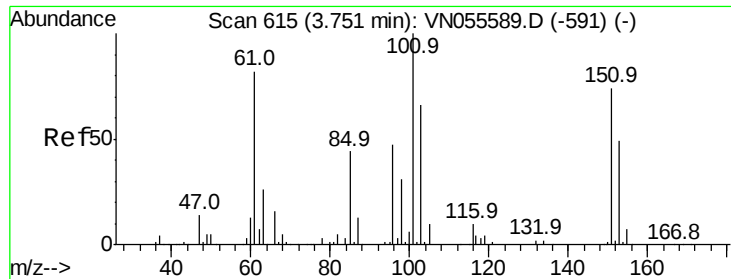


#8

Diethyl Ether
Concen: 47.935 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.8	54.9	164.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.682 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

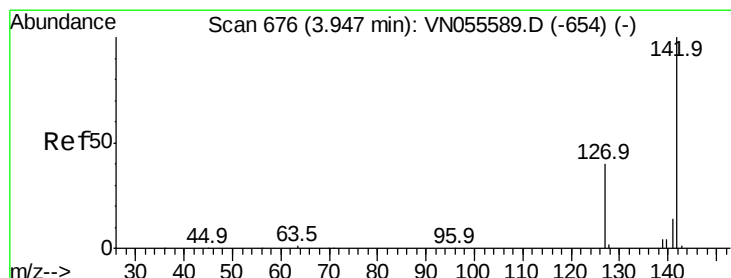
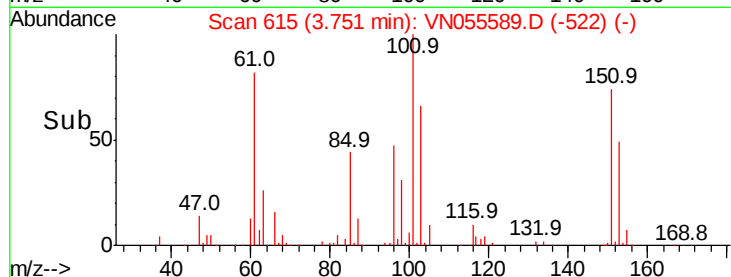
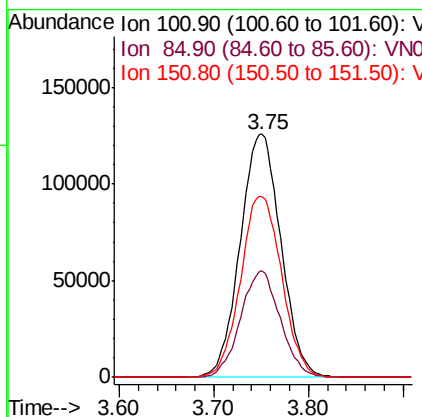
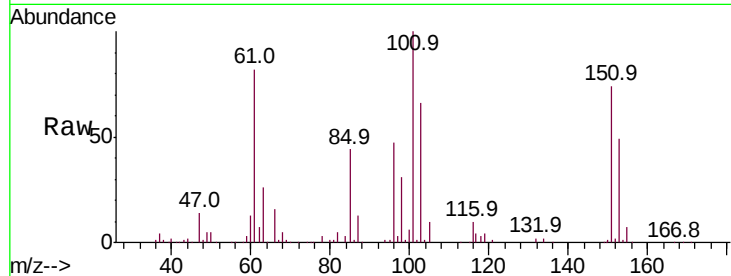
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	376634
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.2
151	75.2	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 50.351 ug/l

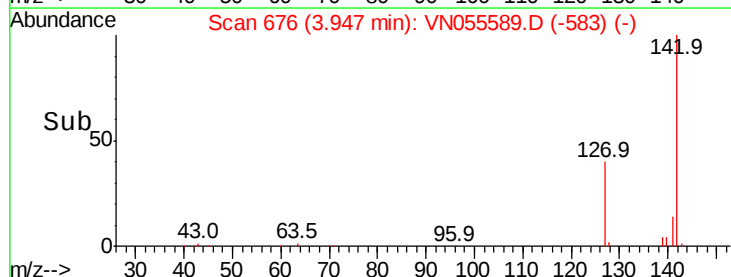
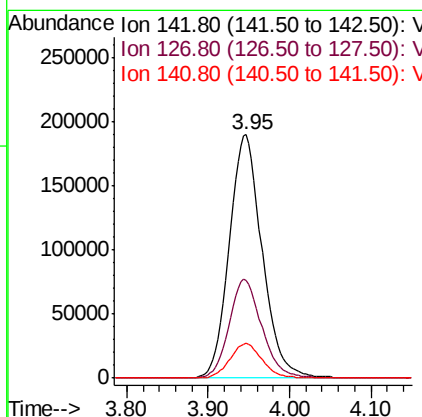
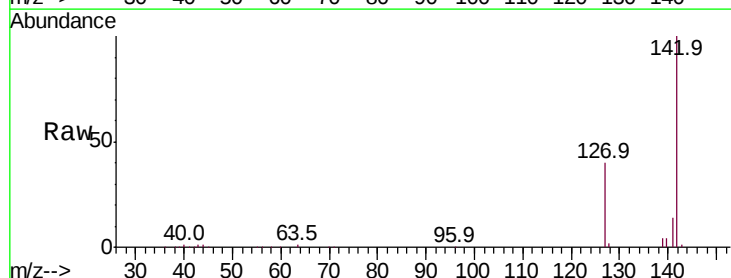
RT: 3.95 min Scan# 676

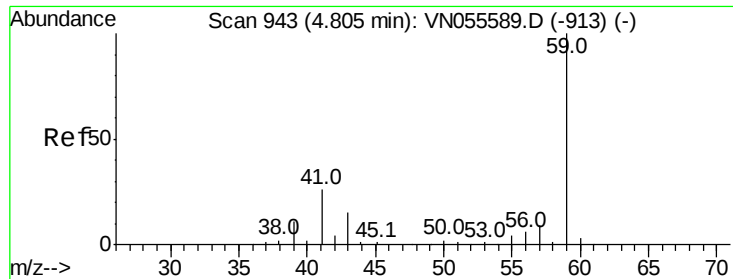
Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Tgt Ion:	142	Resp:	534597
Ion Ratio	Lower	Upper	
142	100		
127	40.6	32.5	48.7
141	14.0	11.2	16.8





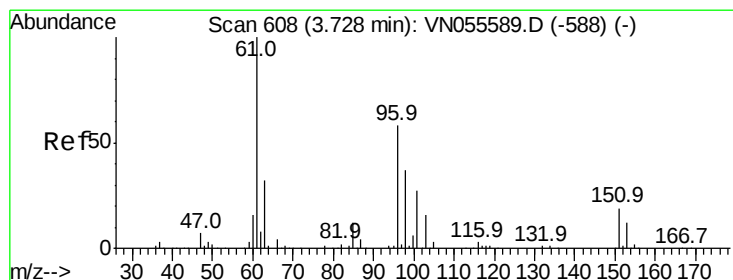
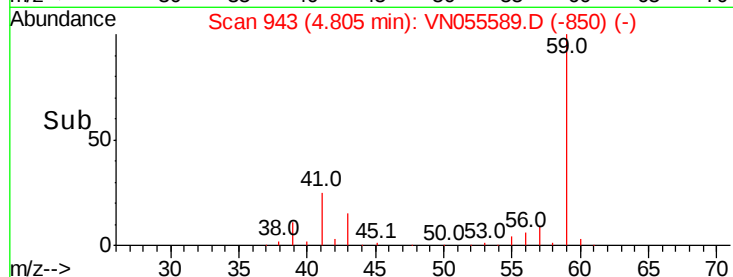
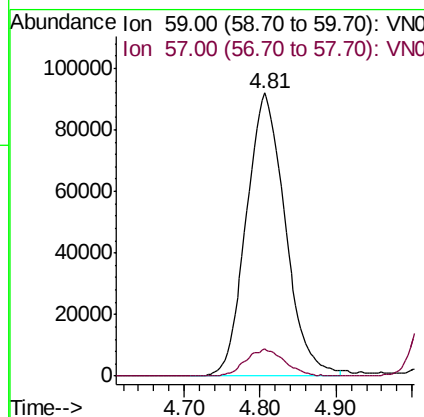
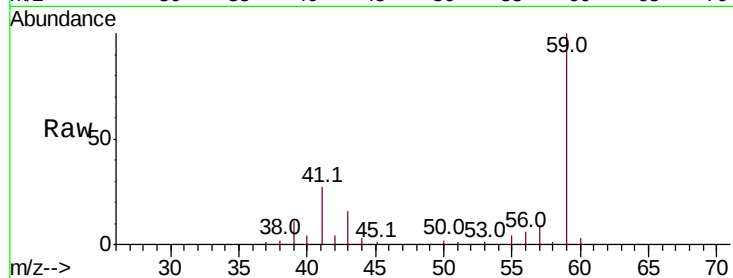
#11
Tert butyl alcohol
Concen: 212.300 ug/l
RT: 4.81 min Scan# 943
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.6	11.4

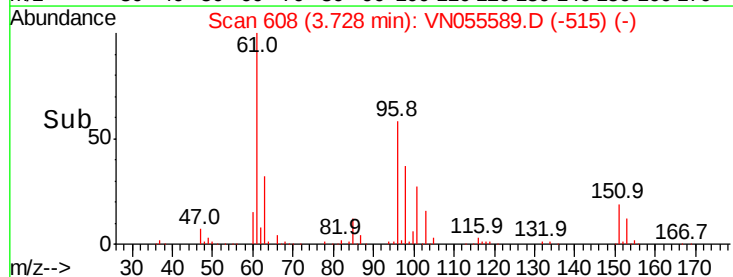
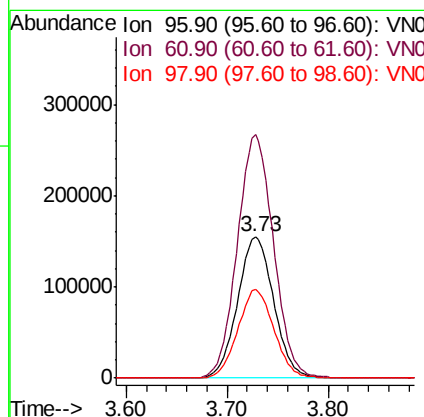
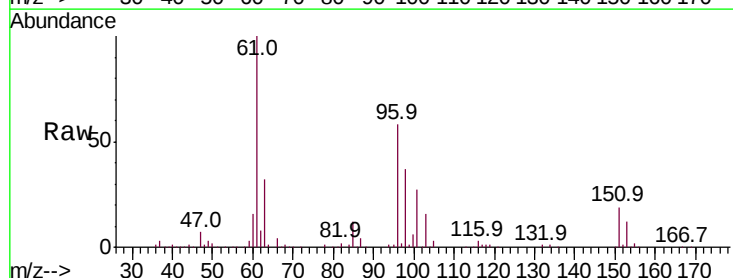
Manual Integrations
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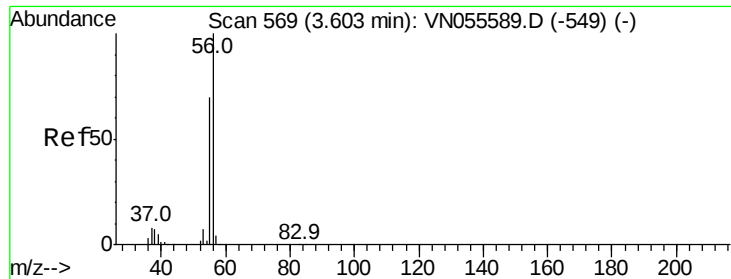
MMDadoda
5/16/2019 1:31:49 PM



#12
1,1-Dichloroethene
Concen: 48.565 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.9	137.5	206.3
98	62.9	50.3	75.5





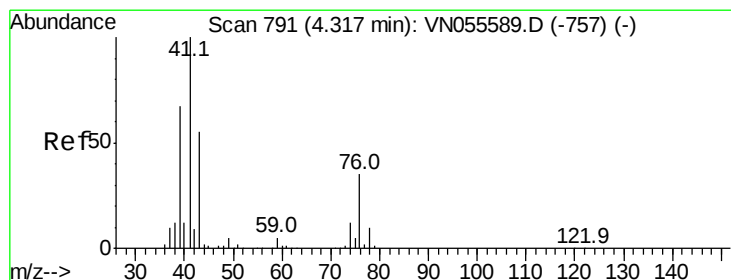
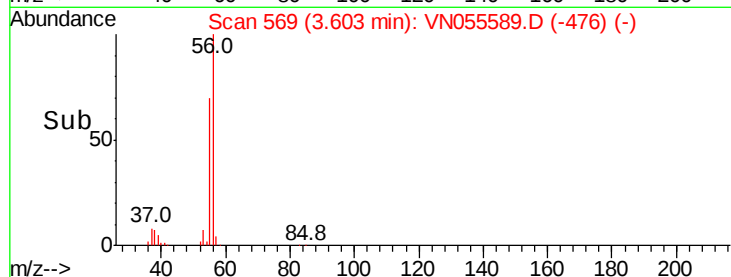
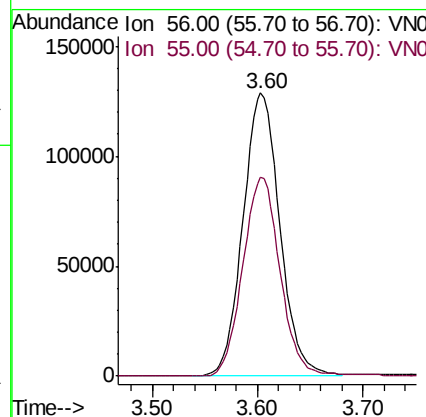
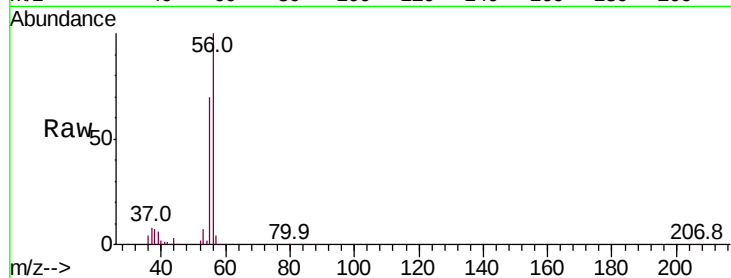
#13
Acrolein
Concen: 282.040 ug/l
RT: 3.60 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.4	57.1	85.7

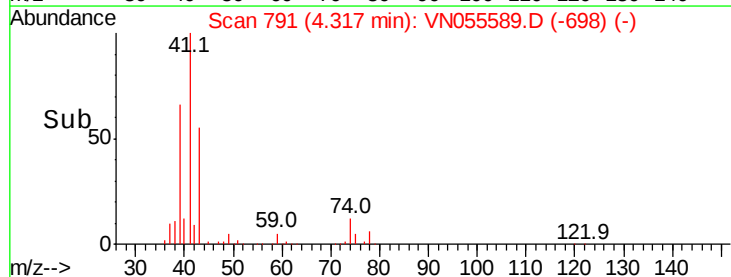
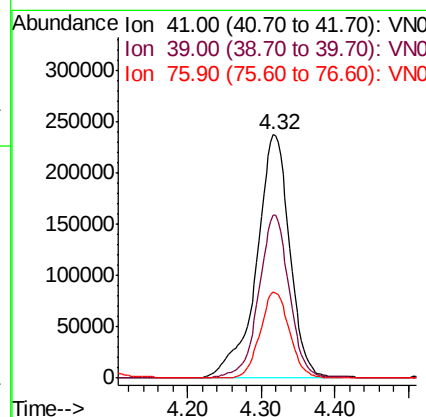
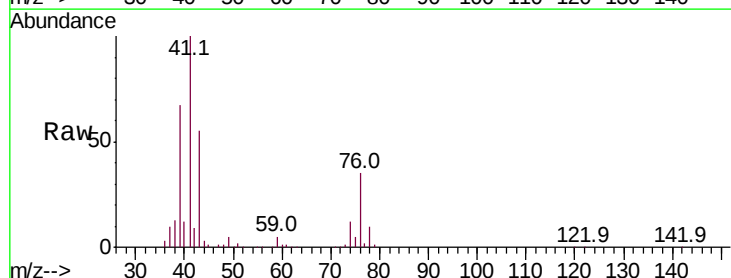
Manual Integrations
APPROVED

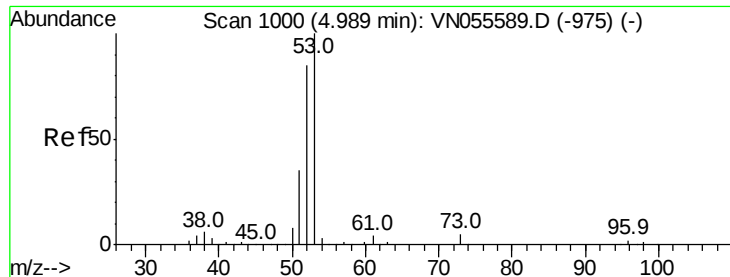
MMDadoda
5/16/2019 1:31:49 PM



#14
Allyl chloride
Concen: 46.592 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.6	49.3	73.9
76	30.9	24.7	37.1





#15
 Acrylonitrile
 Concen: 225.033 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

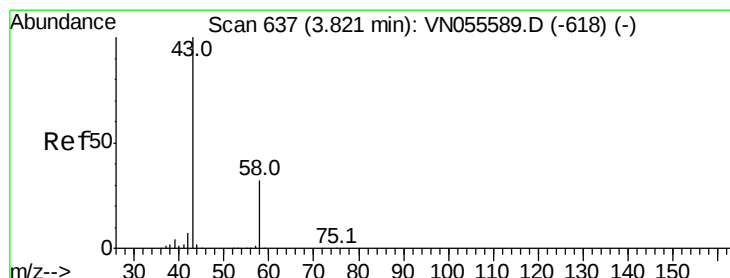
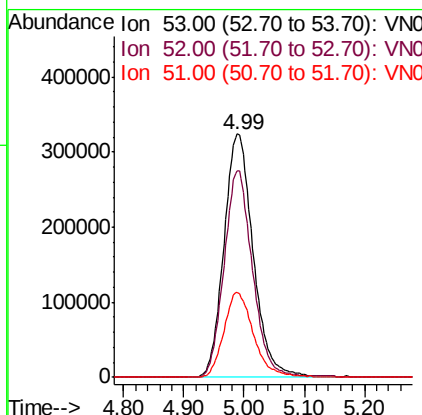
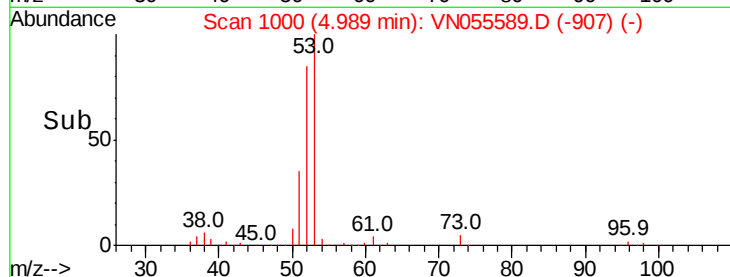
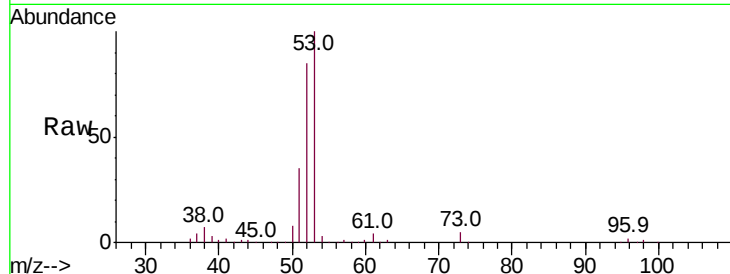
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 53 Resp: 1096606

Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.6	98.4
51	35.4	28.3	42.5

Manual Integrations
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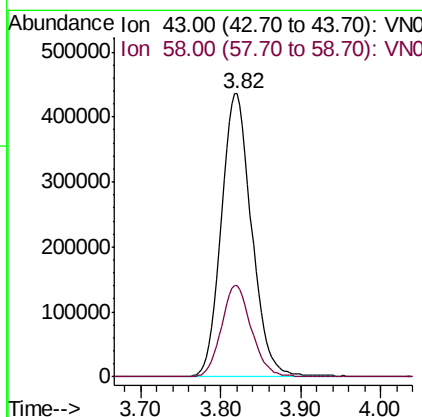
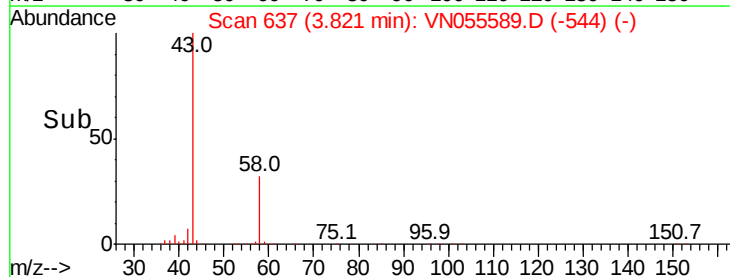
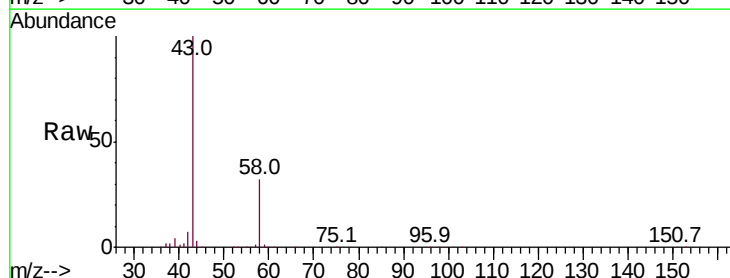
MMDadoda
 5/16/2019 1:31:49 PM

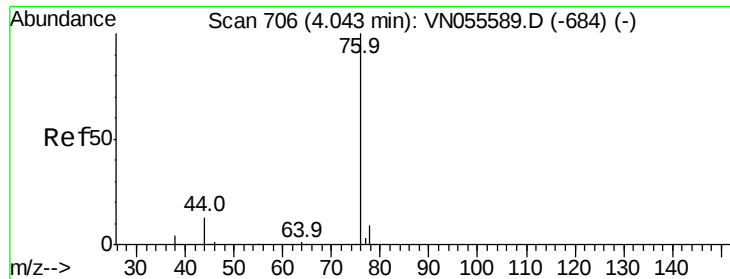


#16
 Acetone
 Concen: 224.306 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Tgt Ion: 43 Resp: 1117232

Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.7	38.5





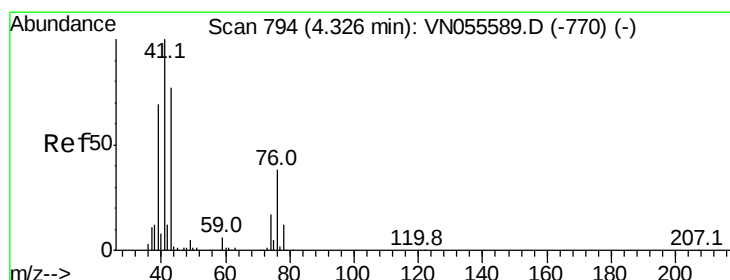
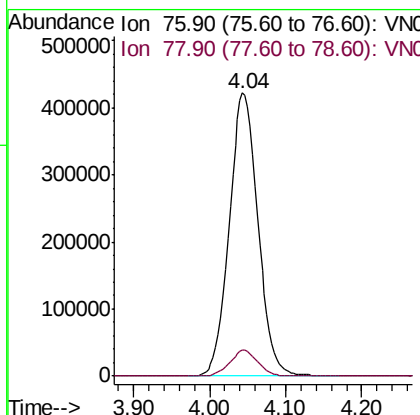
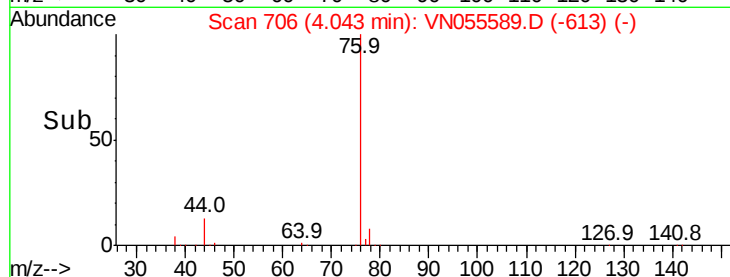
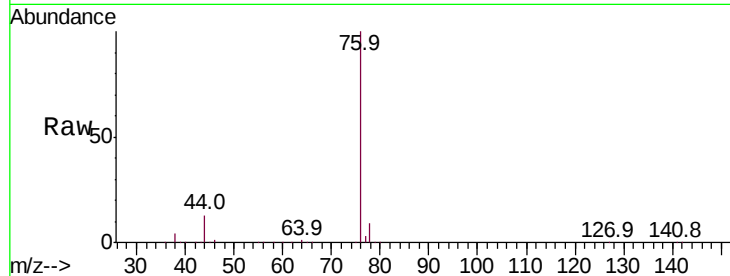
#17
Carbon Disulfide
Concen: 50.868 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 1106342
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

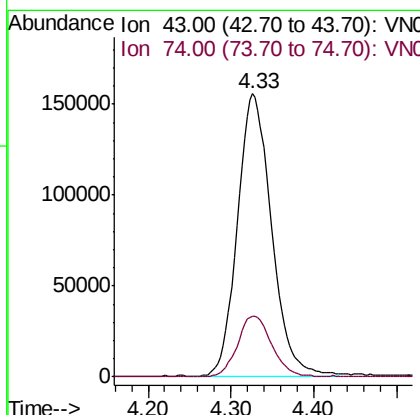
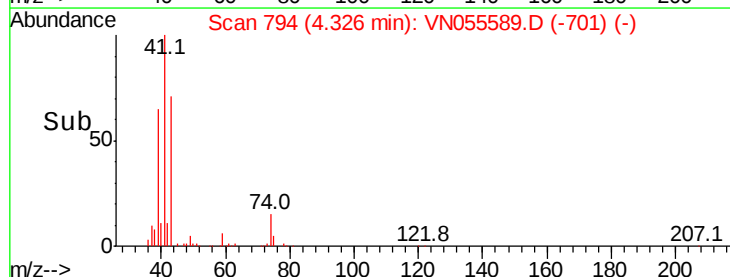
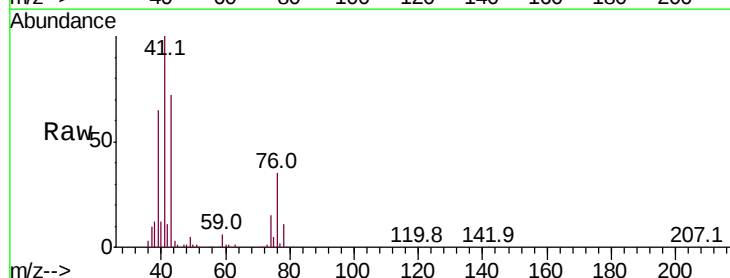
Manual Integrations
APPROVED

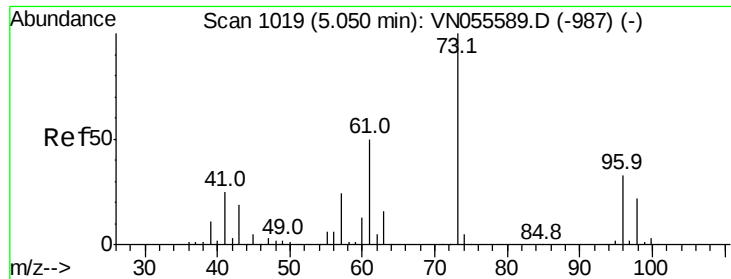
MMDadoda
5/16/2019 1:31:49 PM



#18
Methyl Acetate
Concen: 36.469 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion: 43 Resp: 443862
Ion Ratio Lower Upper
43 100
74 21.8 17.4 26.2





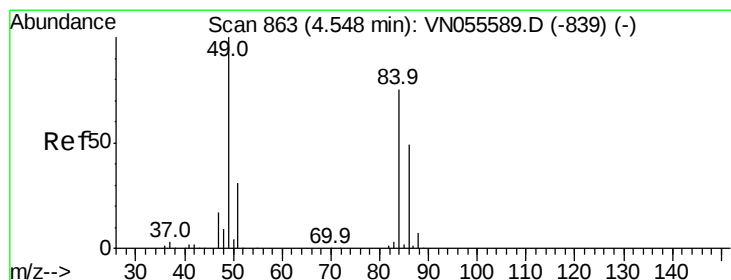
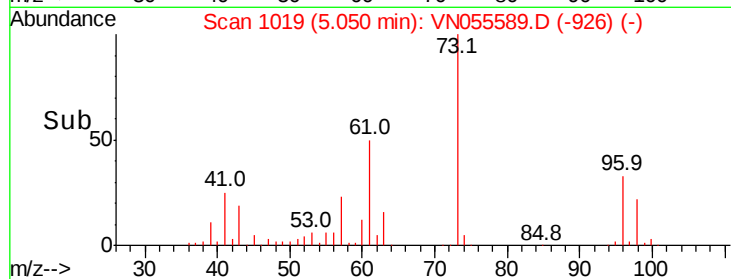
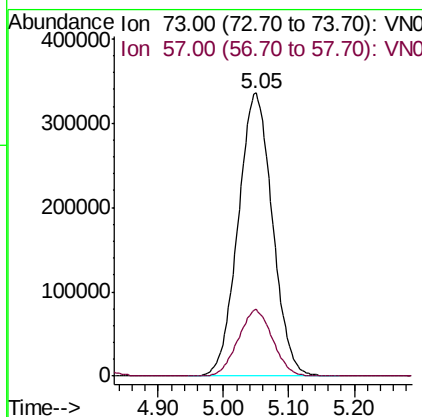
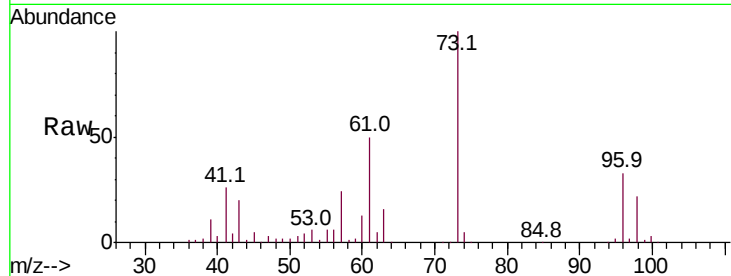
#19
Methvl tert-butvl Ether
Concen: 47.077 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 1225085
Ion Ratio Lower Upper
73 100
57 23.6 18.9 28.3

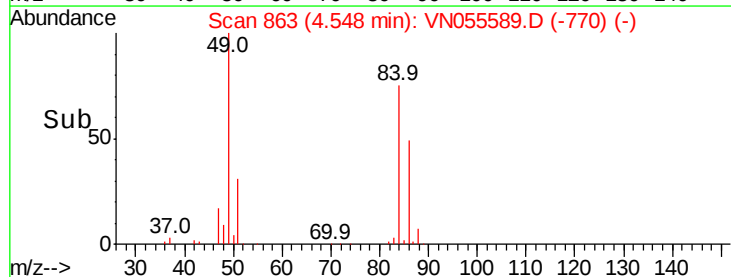
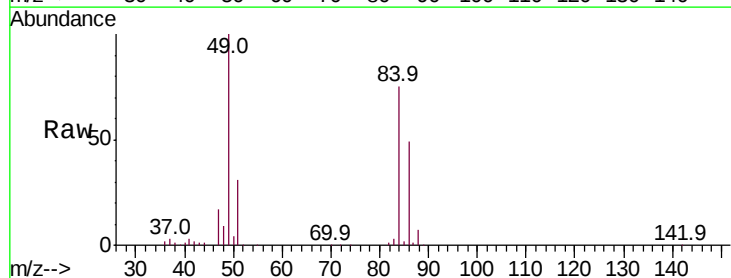
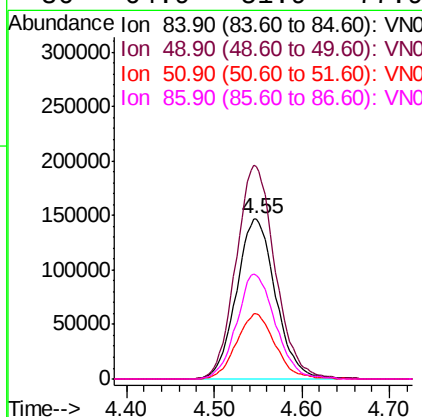
Manual Integrations
APPROVED

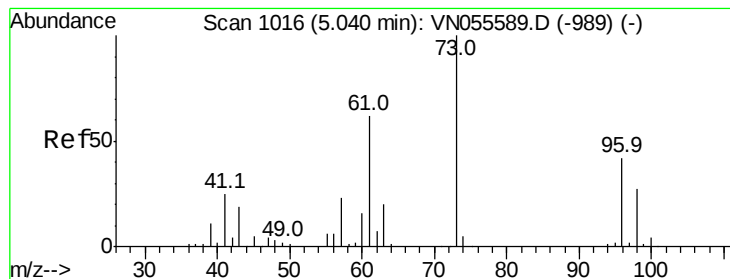
MMDadoda
5/16/2019 1:31:49 PM



#20
Methylene Chloride
Concen: 44.469 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion: 84 Resp: 456313
Ion Ratio Lower Upper
84 100
49 132.7 106.2 159.2
51 40.9 32.7 49.1
86 64.9 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 49.129 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 422615

Ion Ratio Lower Upper

96 100

61 147.2 117.8 176.6

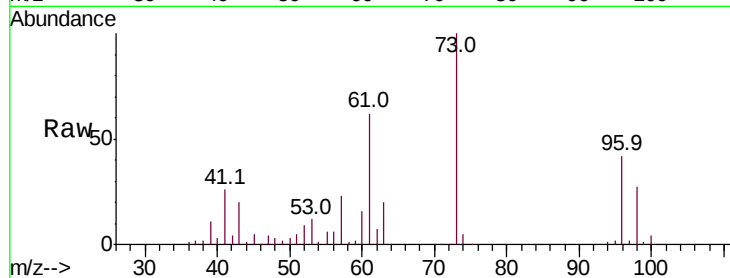
98 64.3 51.4 77.2

Manual Integrations

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MMDadoda

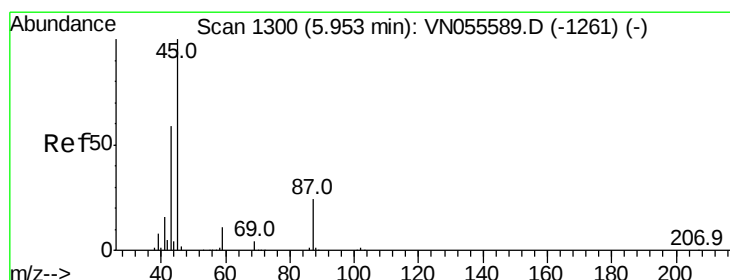
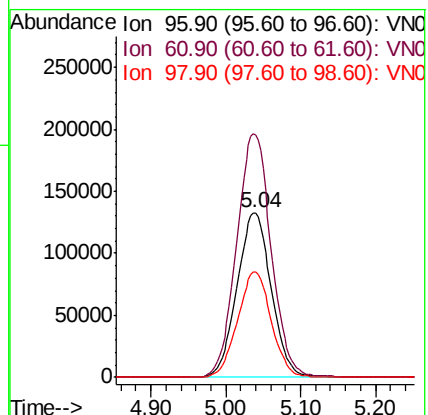
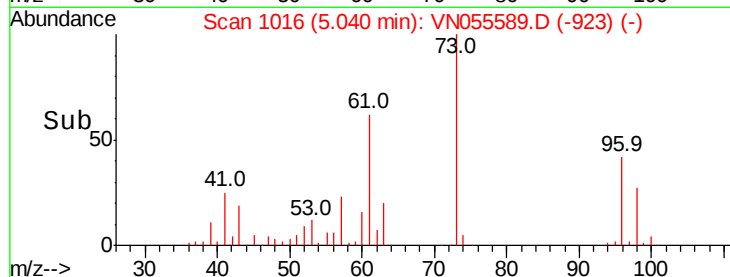
5/16/2019 1:31:49 PM



Abundance Ion 95.90 (95.60 to 96.60): VN055589.D (-989) (-)

Ion 60.90 (60.60 to 61.60): VN055589.D (-989) (-)

Ion 97.90 (97.60 to 98.60): VN055589.D (-989) (-)



#22

Diisopropyl ether

Concen: 47.441 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Tgt Ion: 45 Resp: 1542015

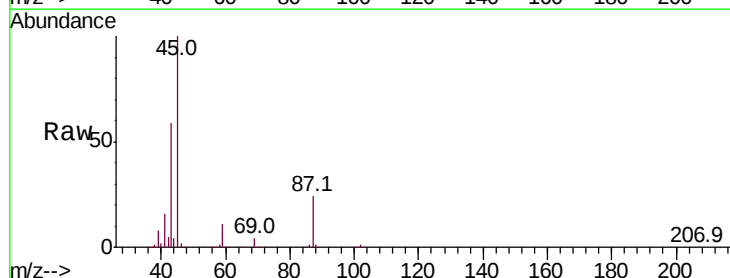
Ion Ratio Lower Upper

45 100

43 58.9 47.1 70.7

87 24.4 19.5 29.3

59 11.2 9.0 13.4

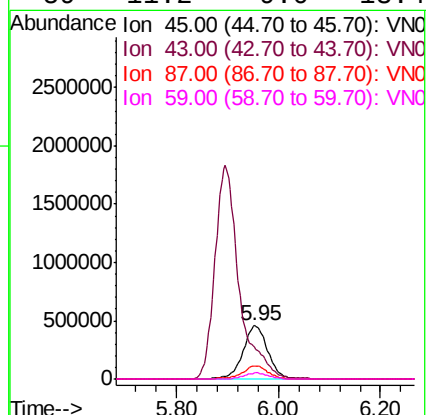
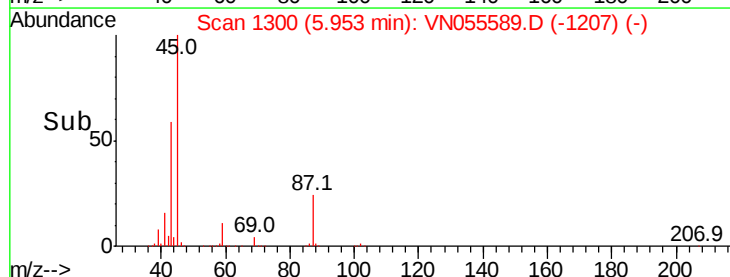


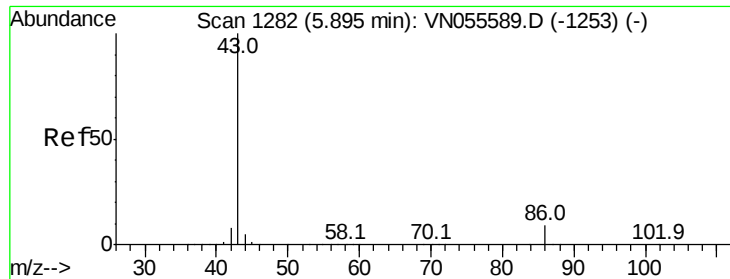
Abundance Ion 45.00 (44.70 to 45.70): VN055589.D (-1261) (-)

Ion 43.00 (42.70 to 43.70): VN055589.D (-1261) (-)

Ion 87.00 (86.70 to 87.70): VN055589.D (-1261) (-)

Ion 59.00 (58.70 to 59.70): VN055589.D (-1261) (-)





#23

Vinyl Acetate

Concen: 241.357 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 6037418

Ion Ratio Lower Upper

43 100

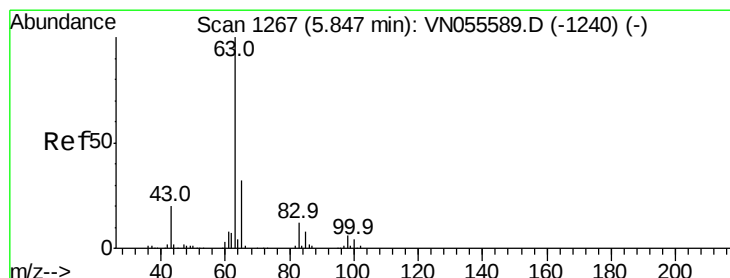
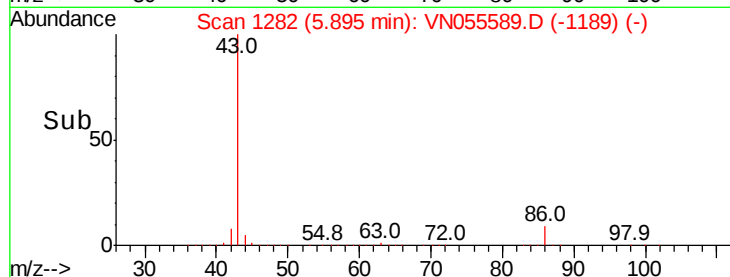
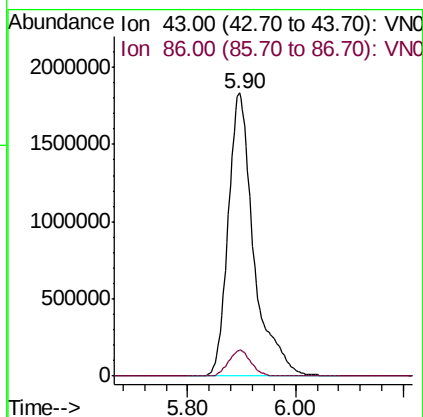
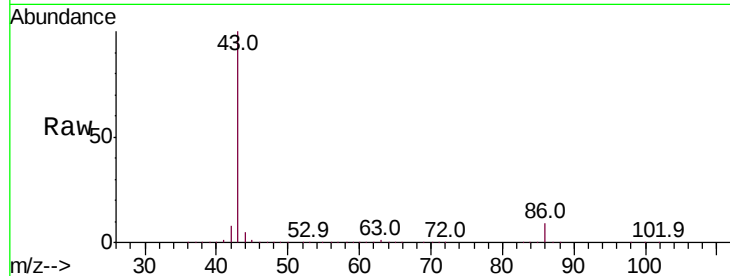
86 9.2 7.4 11.0

Manual Integrations

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MMDadoda

5/16/2019 1:31:49 PM



#24

1,1-Dichloroethane

Concen: 46.936 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

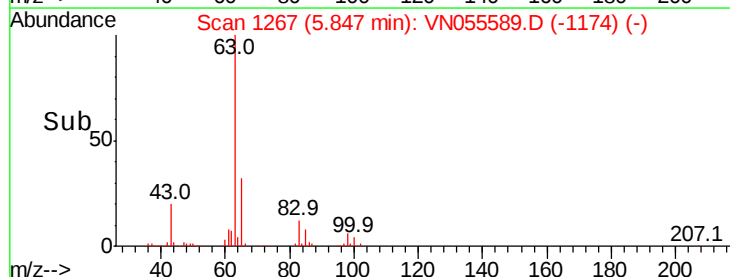
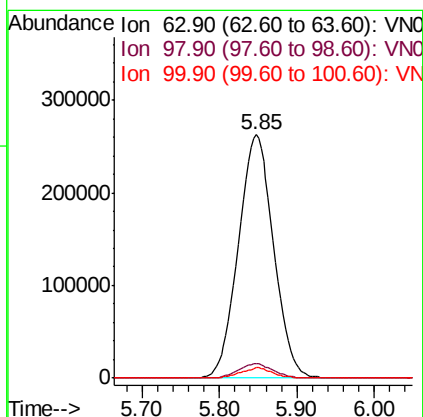
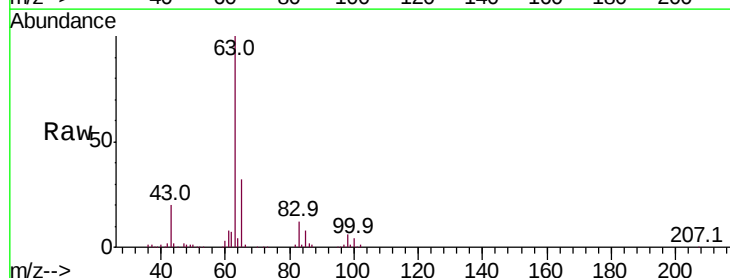
Tgt Ion: 63 Resp: 830198

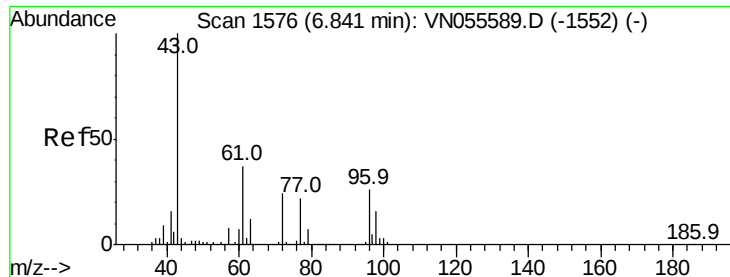
Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.0

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 225.839 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1531879

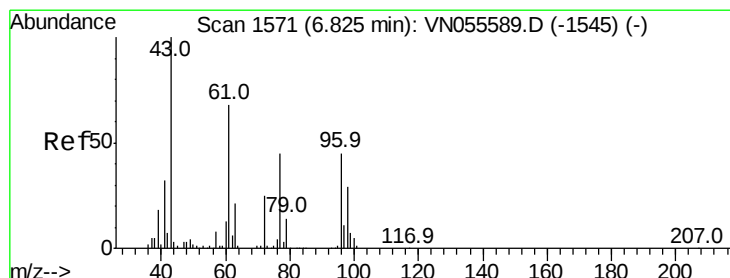
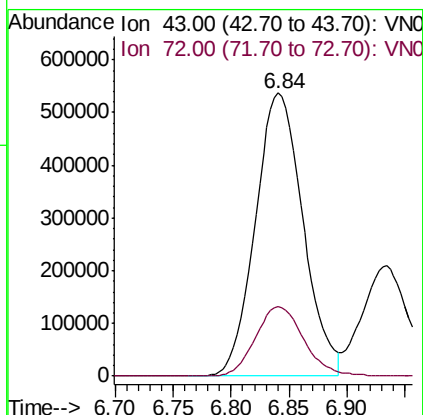
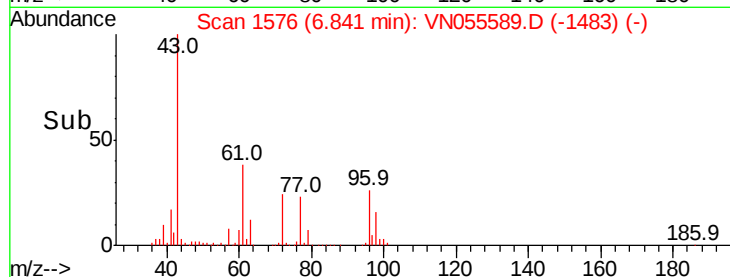
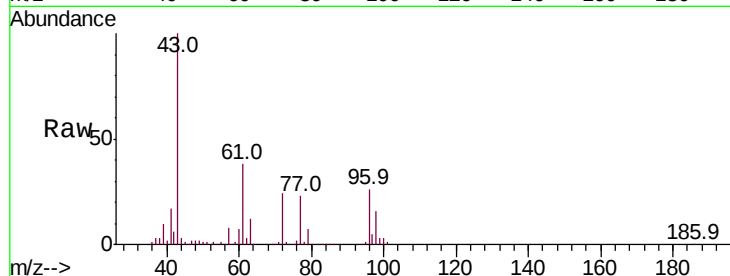
Ion Ratio Lower Upper

43 100

72 24.4 19.5 29.3

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 48.353 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055589.D

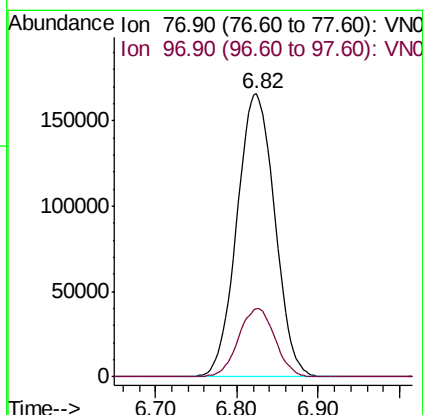
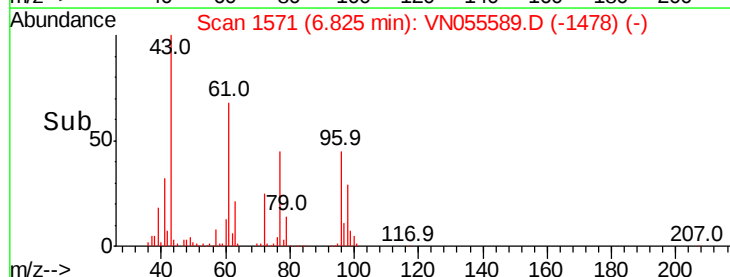
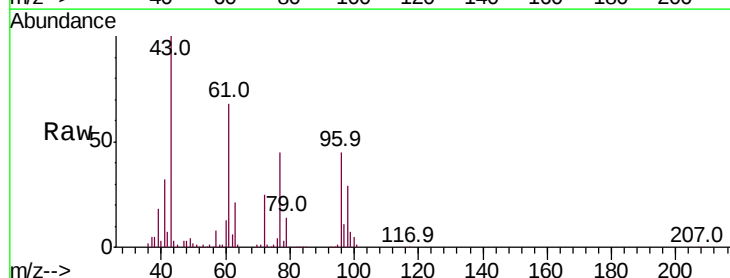
Acq: 14 May 2019 12:47

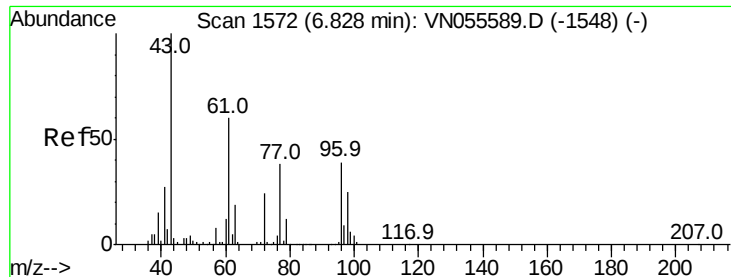
Tgt Ion: 77 Resp: 532480

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1





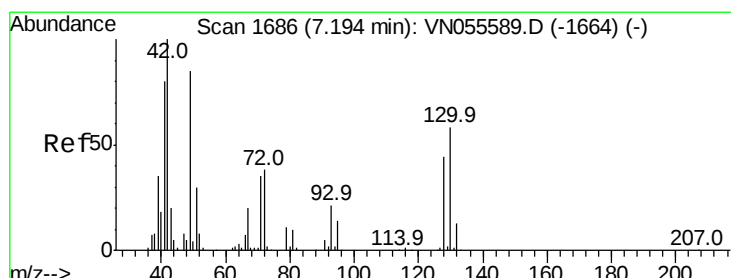
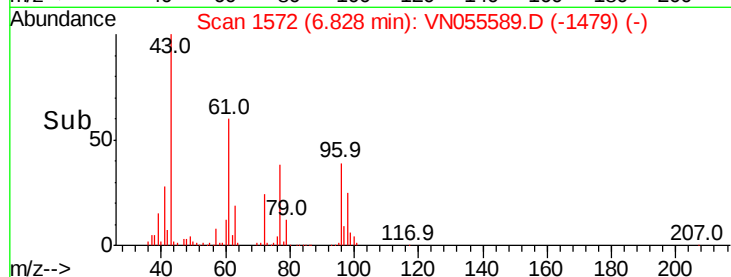
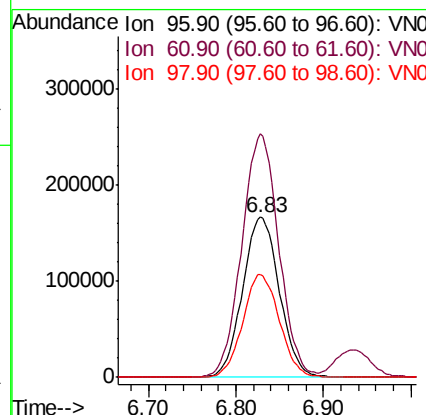
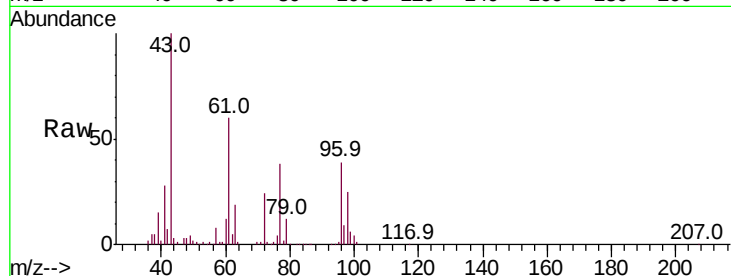
#27
 cis-1,2-Dichloroethene
 Concen: 49.119 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.5	0.0	305.0
98	64.1	0.0	128.2

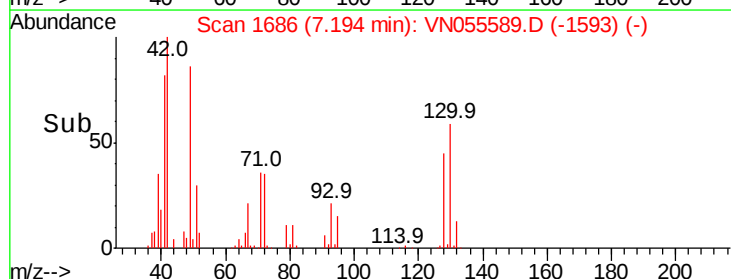
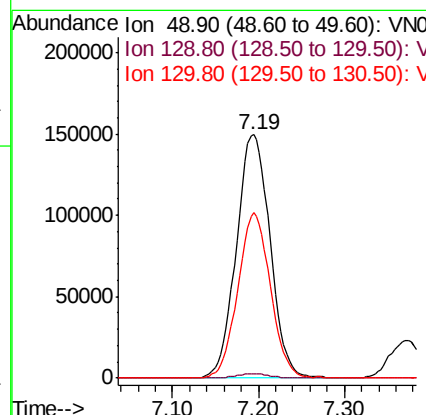
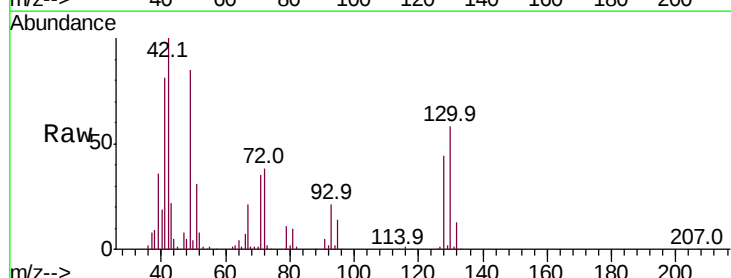
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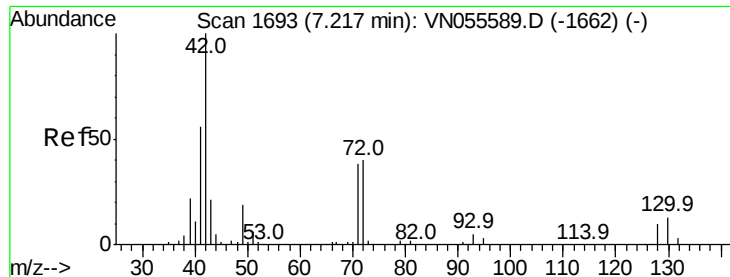
MMDadoda
 5/16/2019 1:31:49 PM



#28
 Bromochloromethane
 Concen: 44.996 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	65.5	52.4	78.6





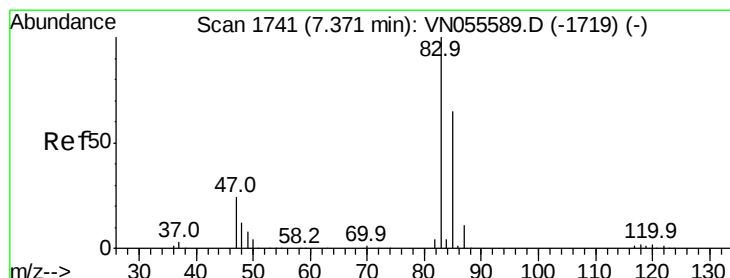
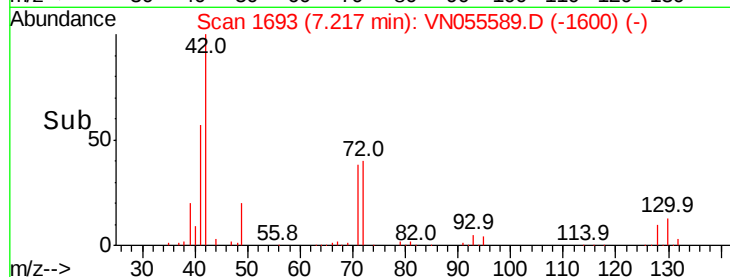
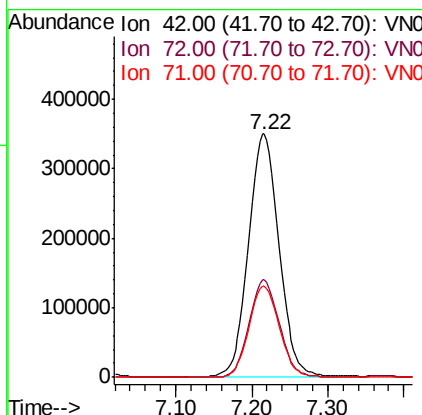
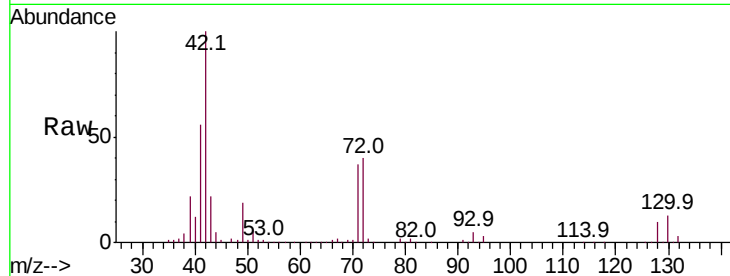
#29
Tetrahydrofuran
Concen: 218.521 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.4	47.2
71	37.4	29.9	44.9

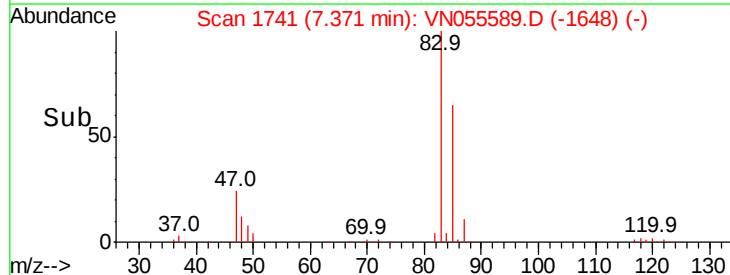
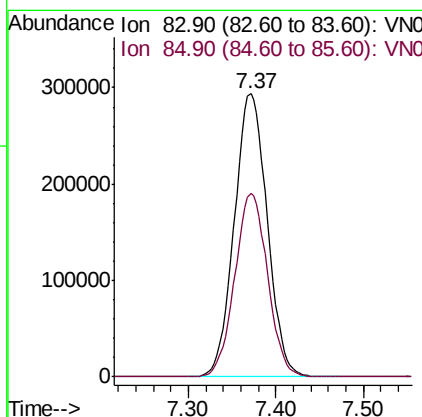
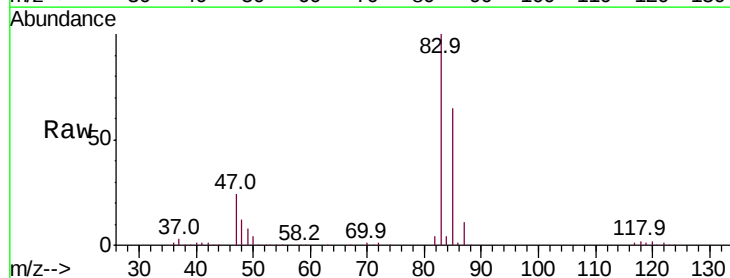
Manual Integrations
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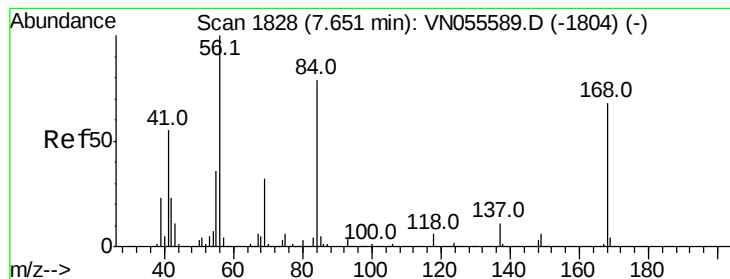
MMDadoda
5/16/2019 1:31:49 PM



#30
Chloroform
Concen: 47.037 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.9	77.9





#31

Cvclohexane

Concen: 45.732 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 800847

Ion Ratio Lower Upper

56 100

69 32.1 25.7 38.5

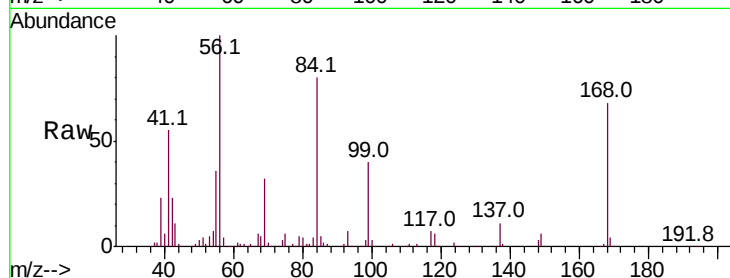
84 79.2 63.4 95.0

Manual Integrations

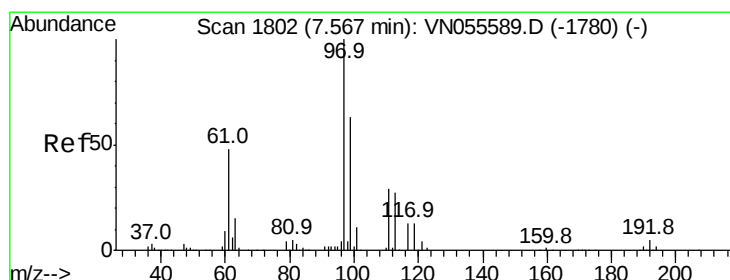
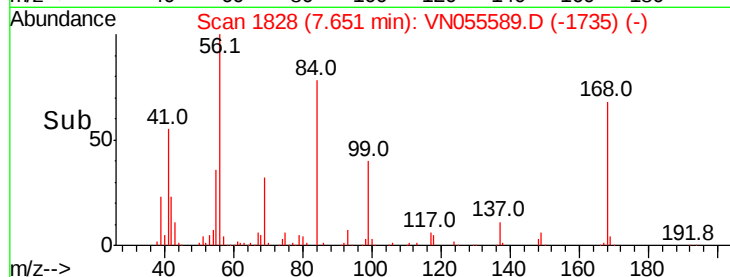
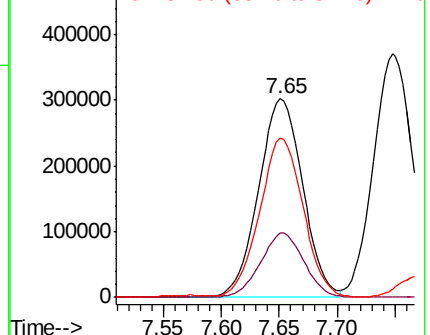
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 48.760 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

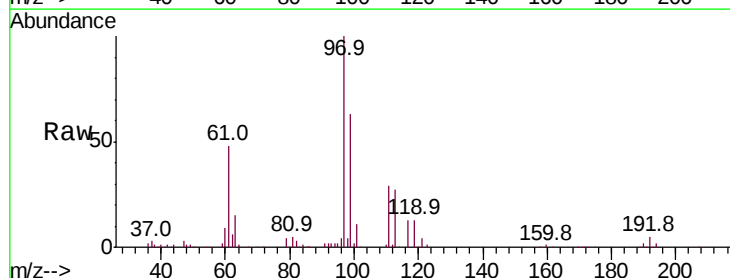
Tgt Ion: 97 Resp: 608497

Ion Ratio Lower Upper

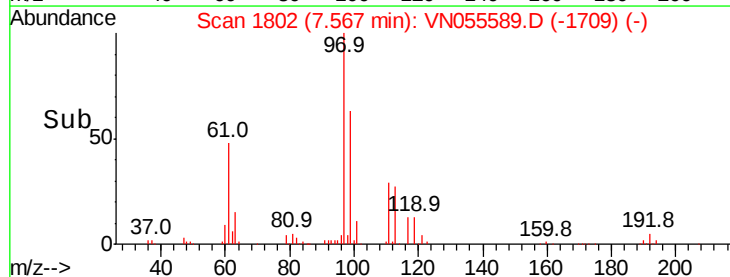
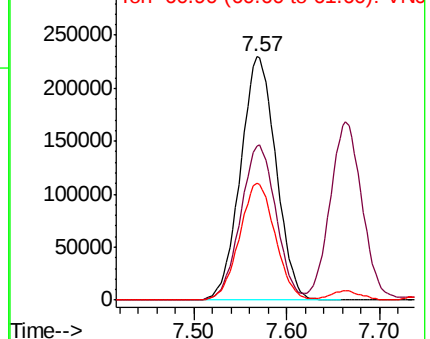
97 100

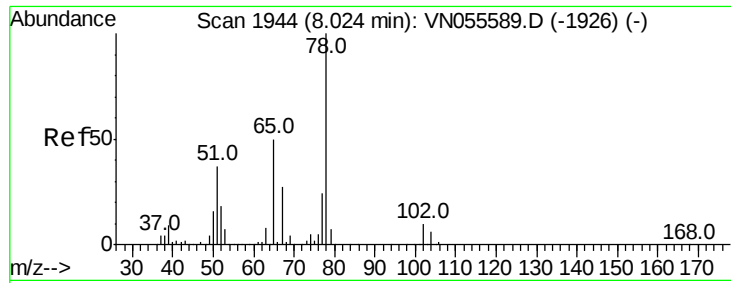
99 63.5 50.8 76.2

61 48.4 38.7 58.1



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





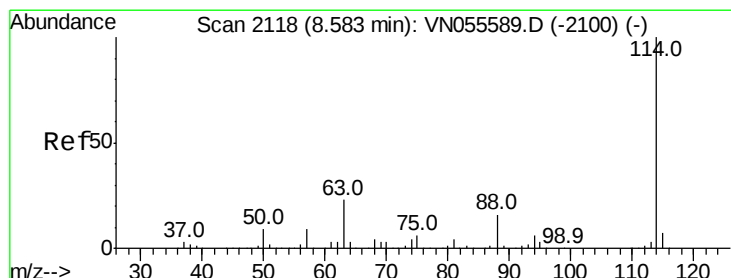
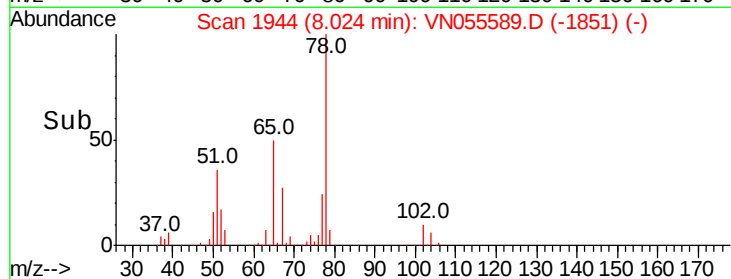
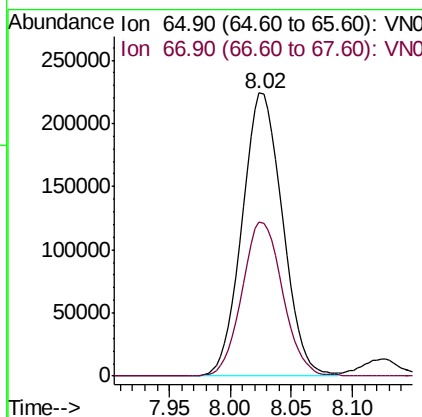
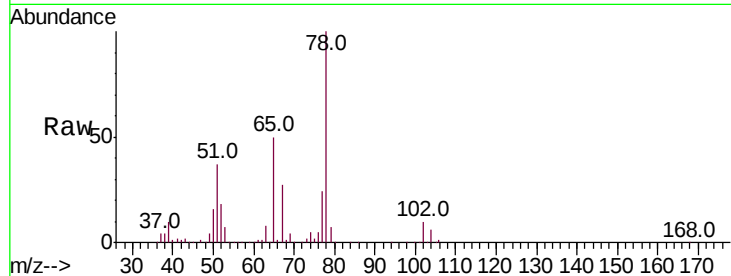
#33
 1,2-Dichloroethane-d4
 Concen: 47.584 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	109.8

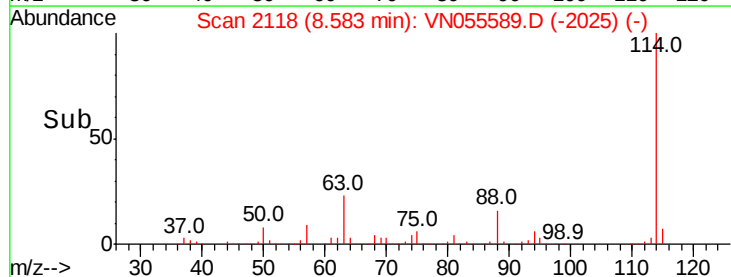
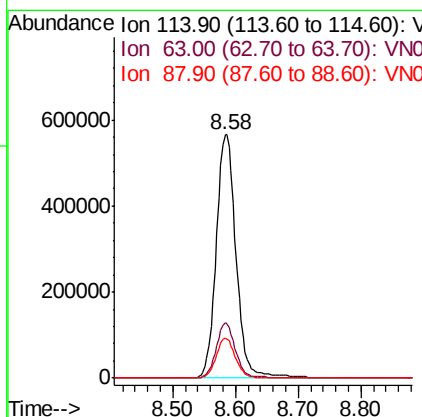
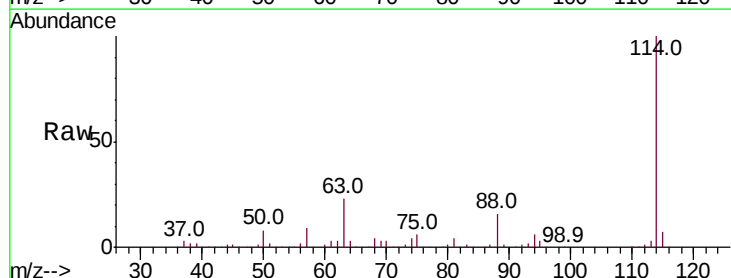
Manual Integrations
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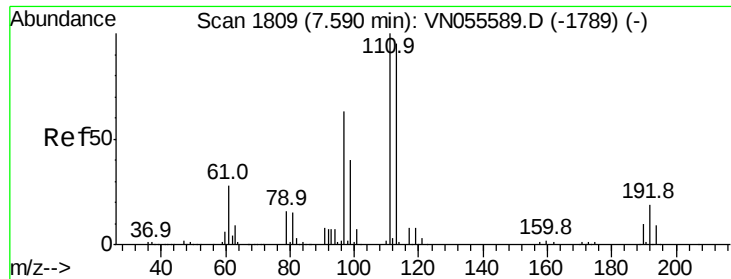
MMDadoda
 5/16/2019 1:31:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	45.8
88	16.3	0.0	32.6





#35

Dibromofluoromethane

Concen: 50.429 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

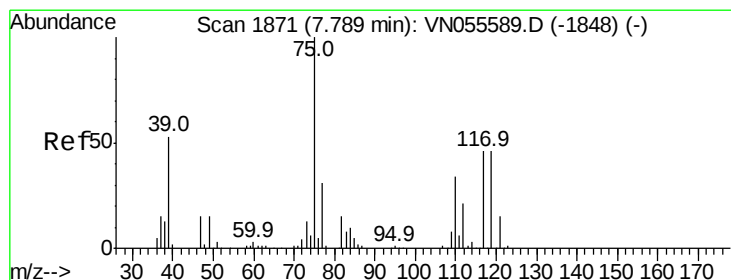
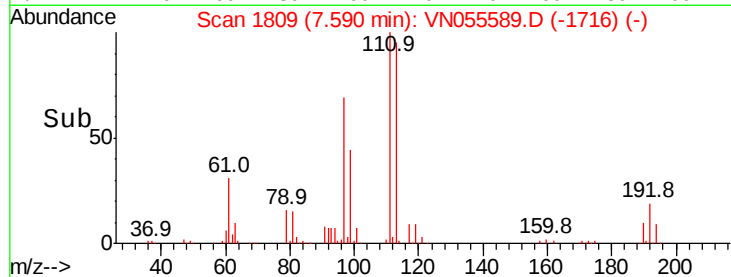
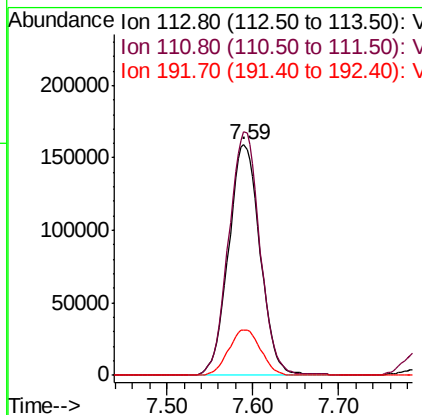
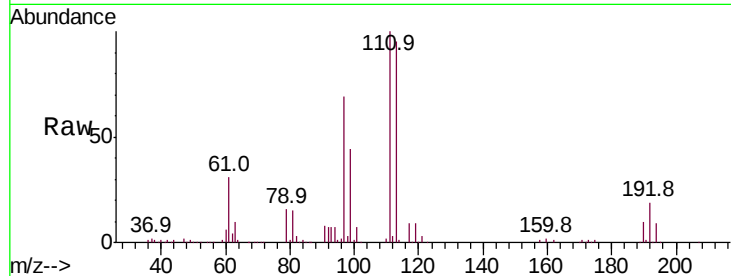
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	405762
Ion Ratio	Lower	Upper	
113	100		
111	104.4	83.5	125.3
192	20.0	16.0	24.0

Manual Integrations
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5/16/2019 1:31:49 PM



#36

1,1-Dichloropropene

Concen: 49.498 ug/l

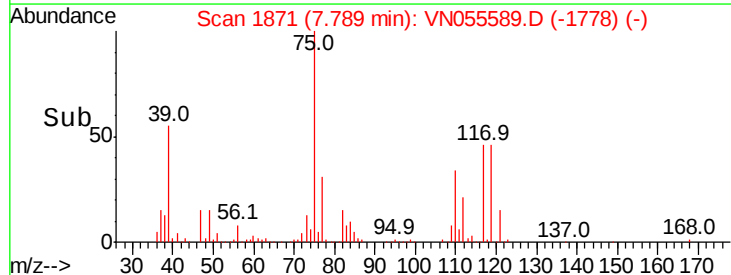
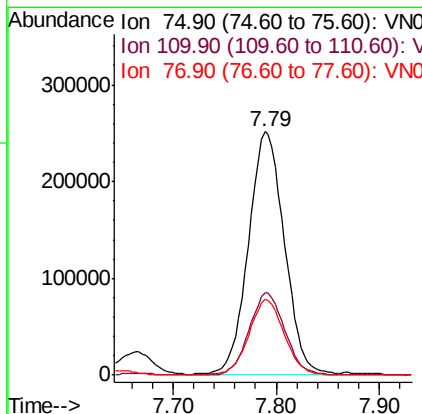
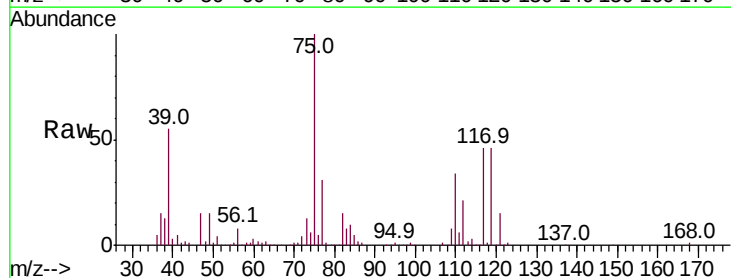
RT: 7.79 min Scan# 1871

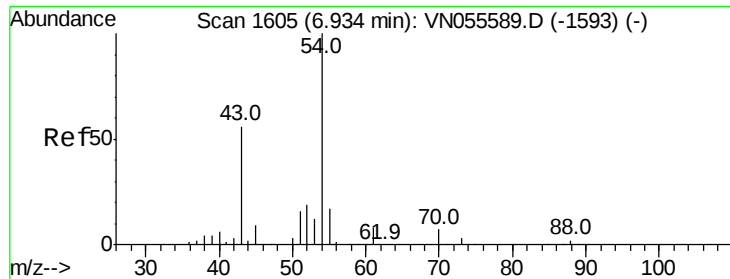
Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Tgt Ion:	75	Resp:	604342
Ion Ratio	Lower	Upper	
75	100		
110	33.8	16.9	50.7
77	31.1	24.9	37.3





#37

Ethyl Acetate

Concen: 45.421 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055589.D

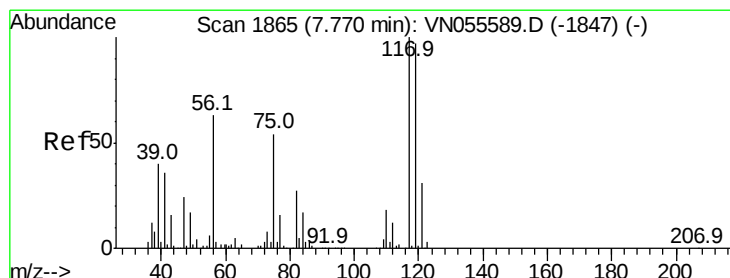
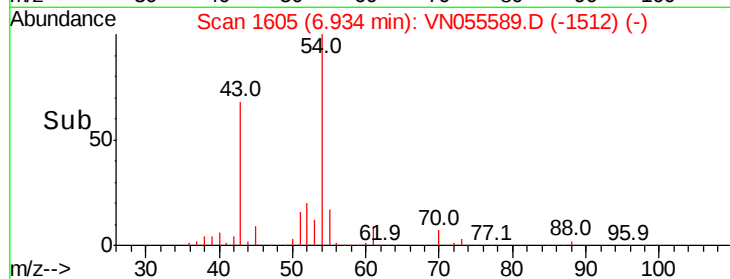
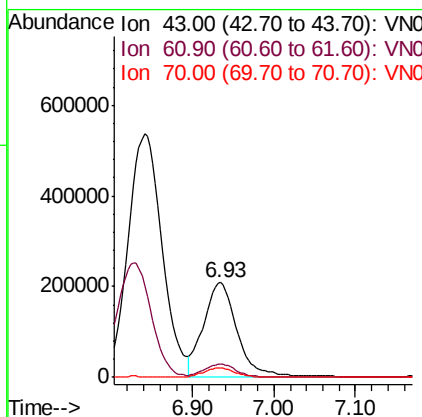
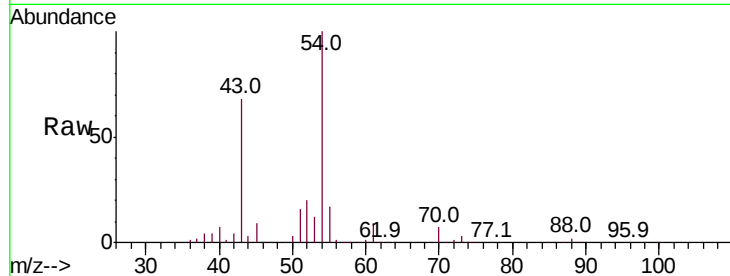
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.8	16.2
70	9.3	7.4	11.2

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 48.507 ug/l

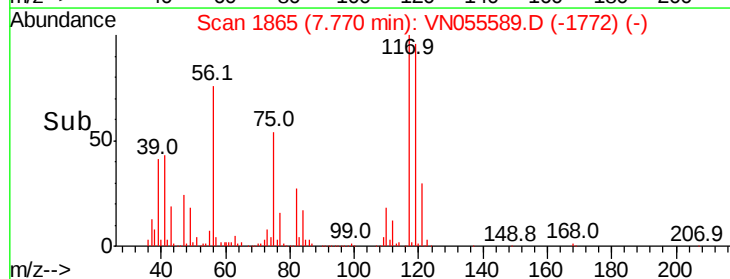
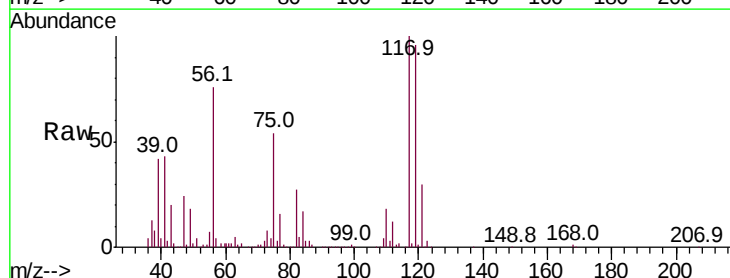
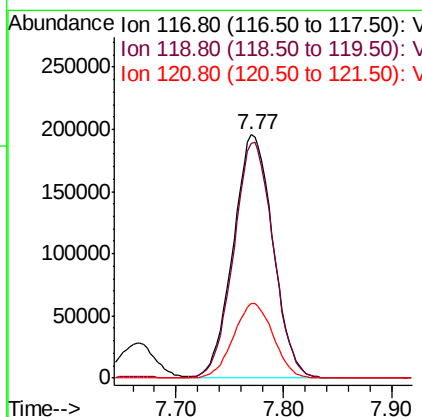
RT: 7.77 min Scan# 1865

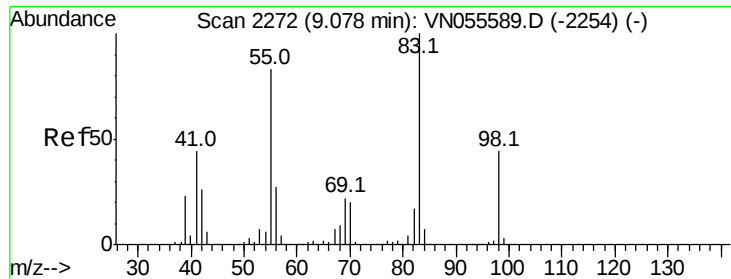
Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.1	115.7
121	30.5	24.4	36.6





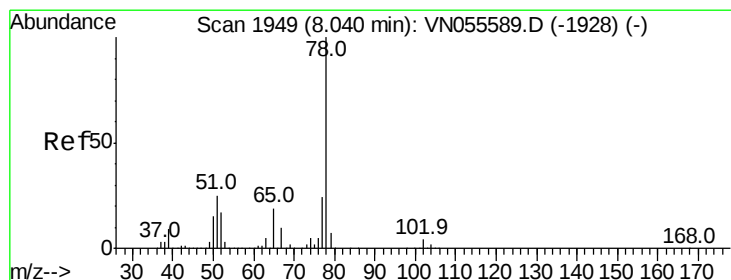
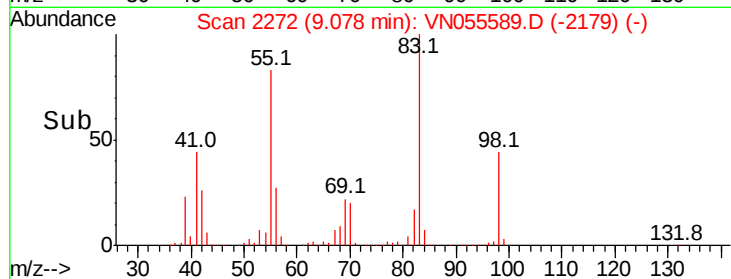
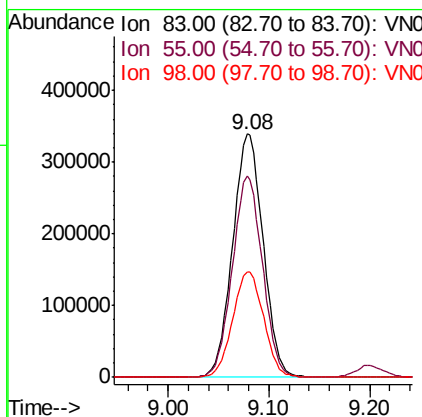
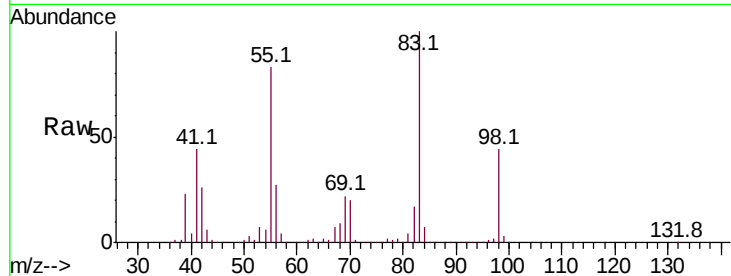
#39
Methvlcvclohexane
Concen: 47.879 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.9	66.3	99.5
98	43.5	34.8	52.2

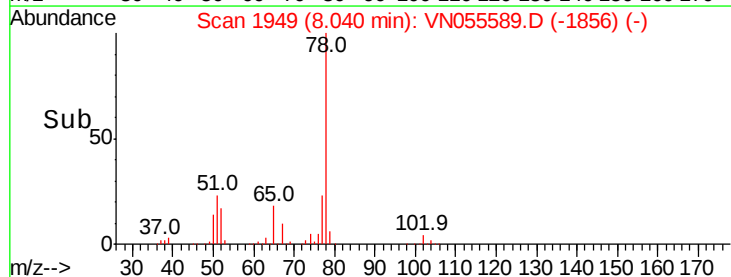
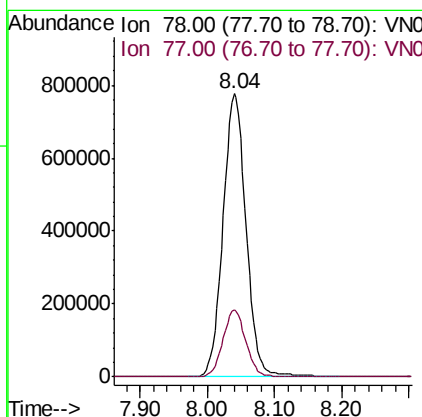
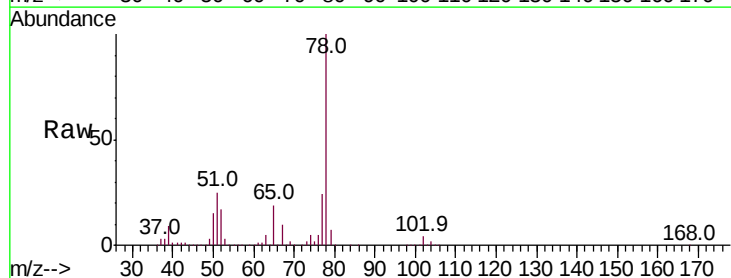
Manual Integrations
APPROVED

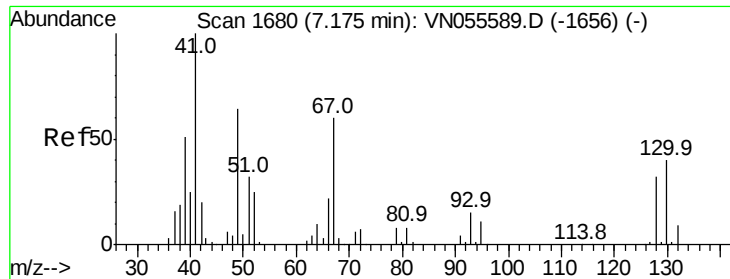
MMDadoda
5/16/2019 1:31:49 PM



#40
Benzene
Concen: 49.061 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





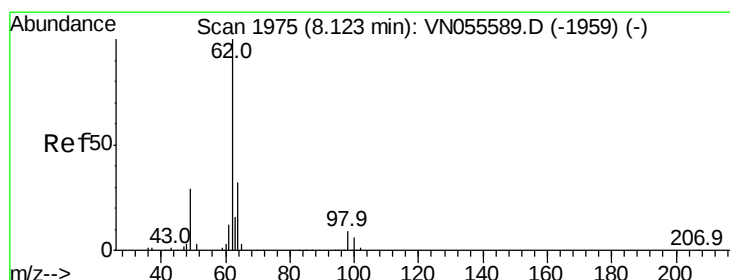
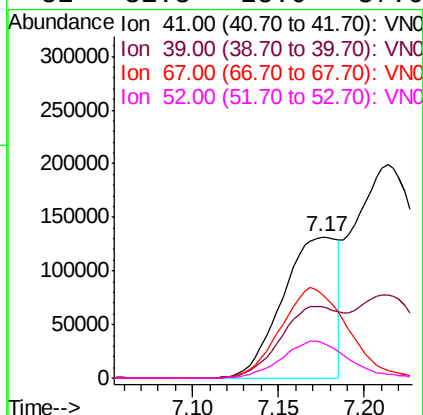
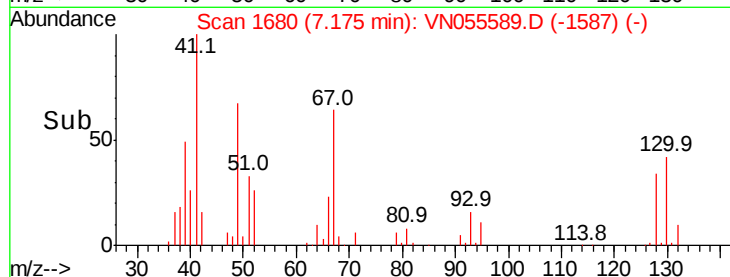
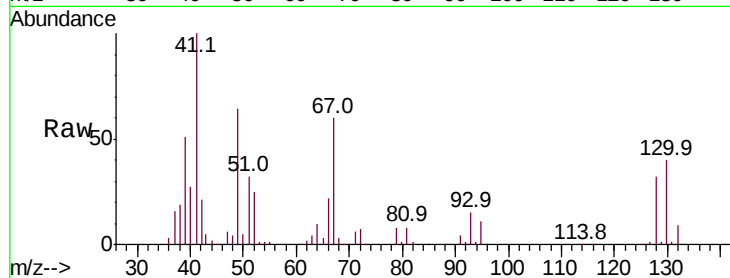
#41
Methacrylonitrile
Concen: 48.303 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.1	44.1	66.1
67	79.2	63.4	95.0
52	31.3	25.0	37.6

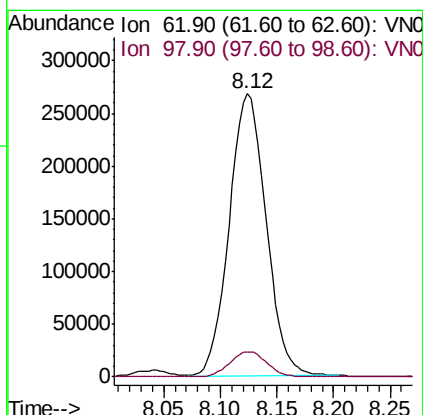
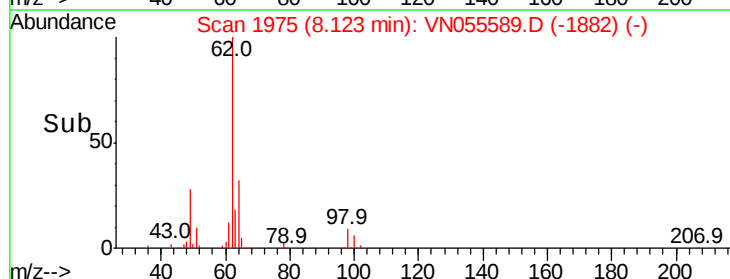
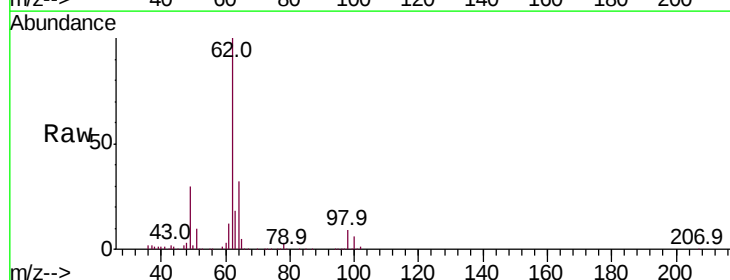
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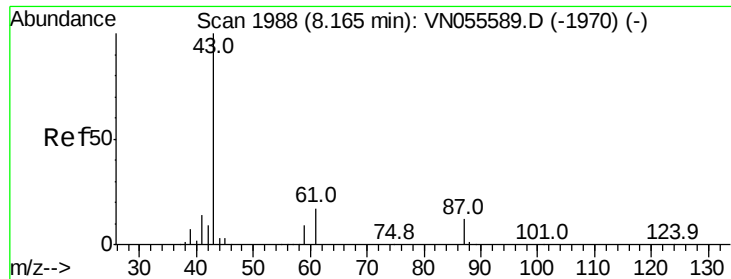
MMDadoda
5/16/2019 1:31:49 PM



#42
1,2-Dichloroethane
Concen: 46.031 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.0





#43

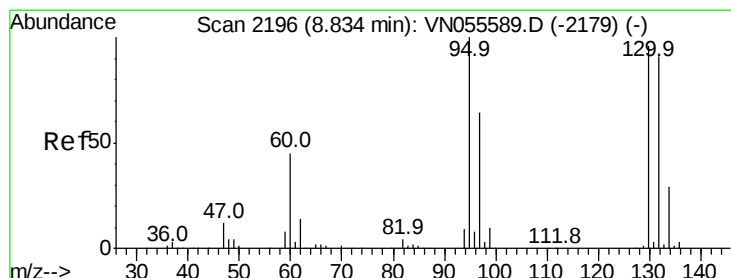
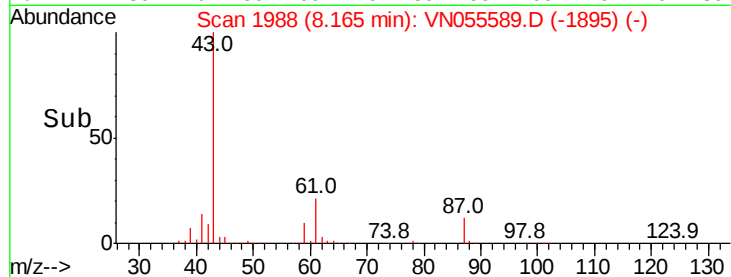
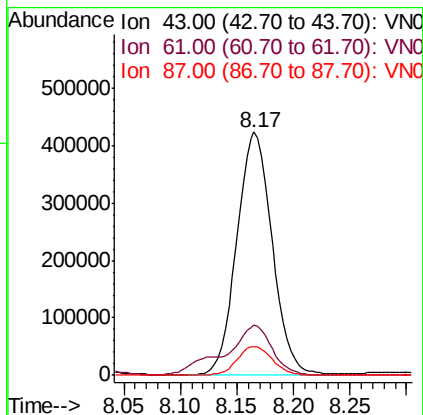
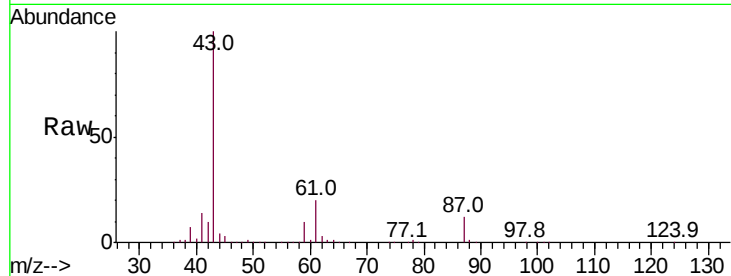
Isopropyl Acetate
 Concen: 46.461 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.1	24.1
87	12.0	9.6	14.4

Manual Integrations
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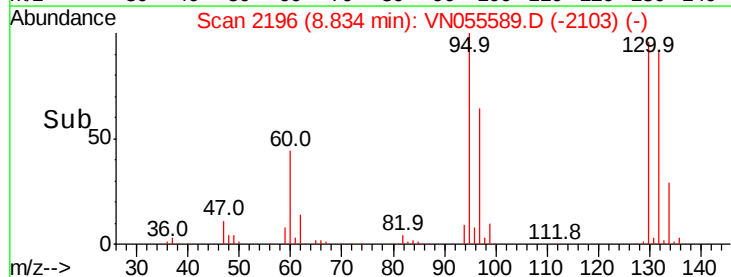
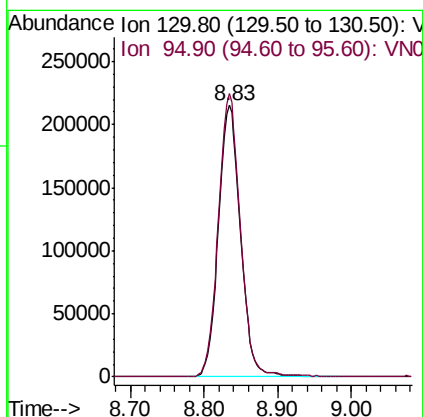
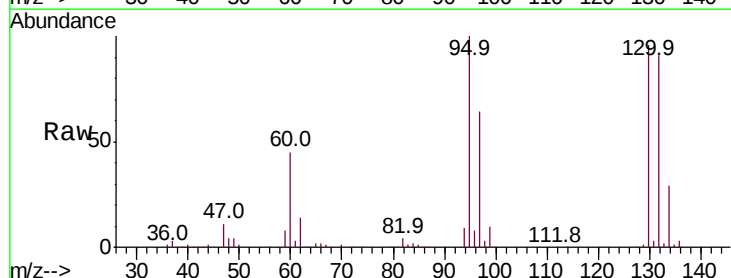
MMDadoda
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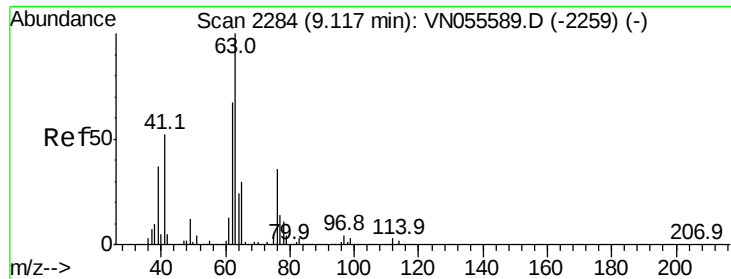


#44

Trichloroethene
 Concen: 49.439 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	208.6





#45

1,2-Dichloropropane

Concen: 47.203 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 63 Resp: 510086

Ion Ratio Lower Upper

63 100

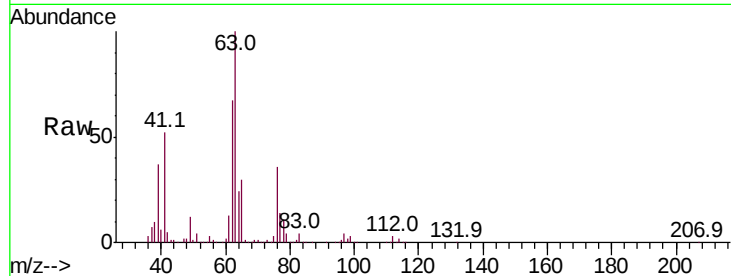
65 30.1 24.1 36.1

Manual Integrations

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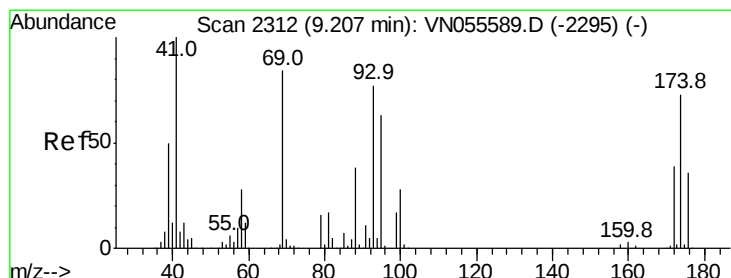
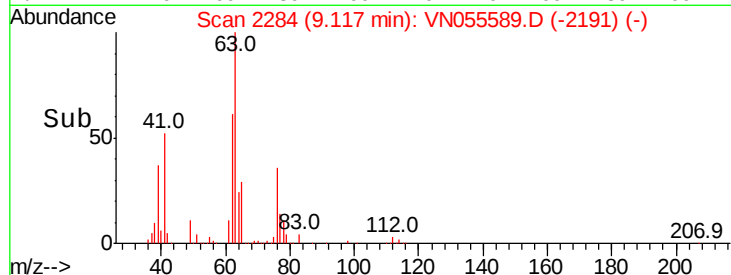
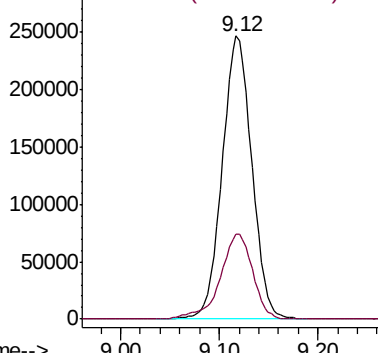
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 47.409 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

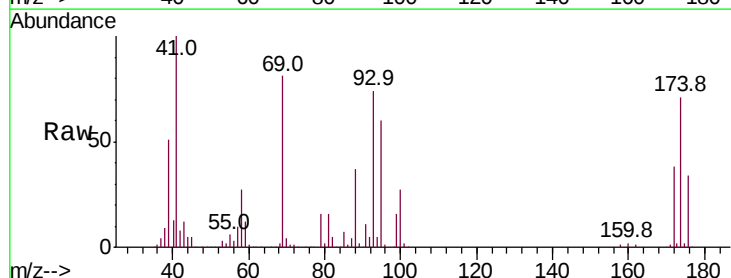
Tgt Ion: 93 Resp: 296730

Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

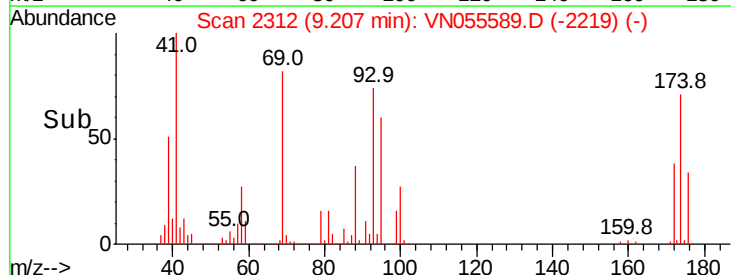
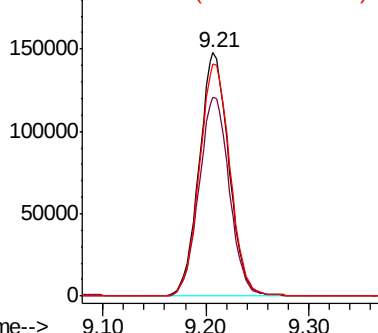
174 98.0 78.4 117.6

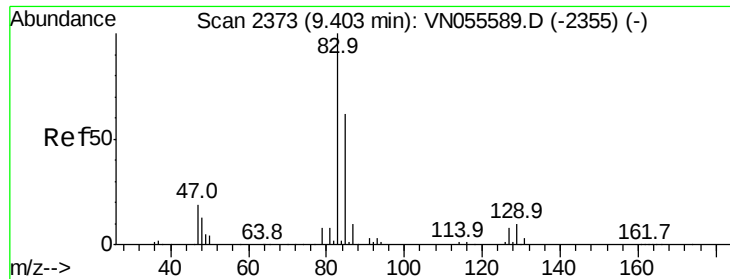


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





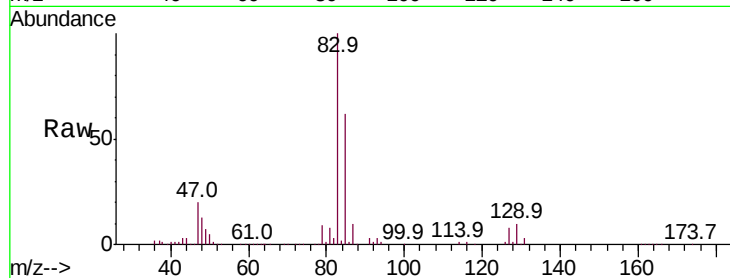
#47
Bromodichloromethane
Concen: 49.131 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

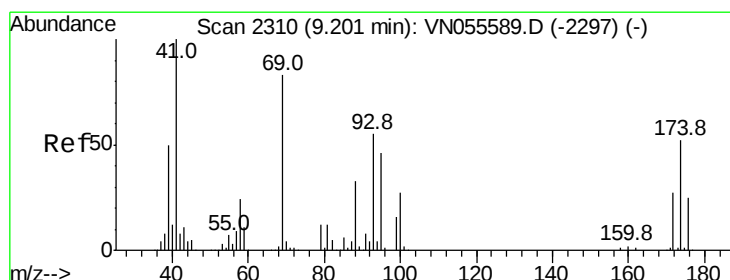
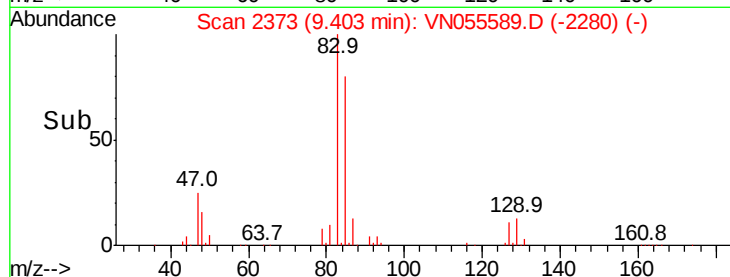
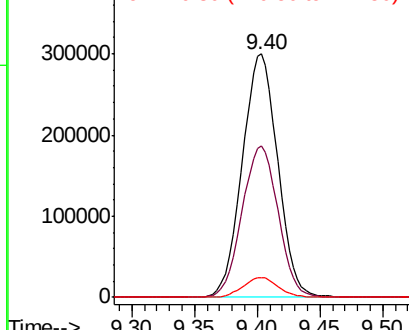
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.0	49.6	74.4	
127	8.2	6.6	9.8	

Manual Integrations
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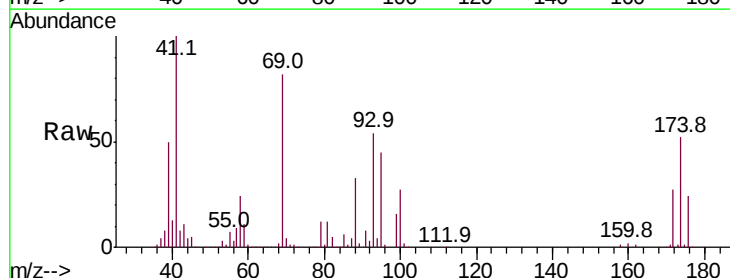


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

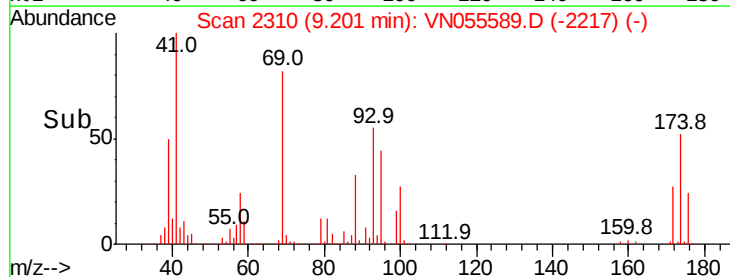
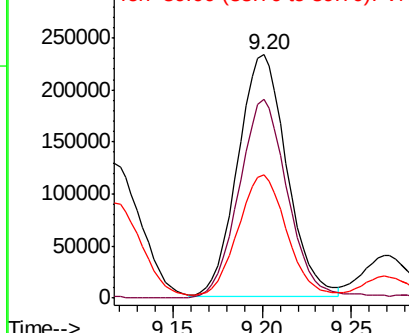


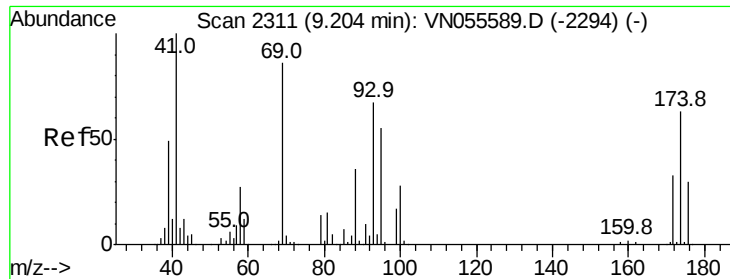
#48
Methyl methacrylate
Concen: 46.691 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	82.1	65.7	98.5	
39	50.3	40.2	60.4	



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





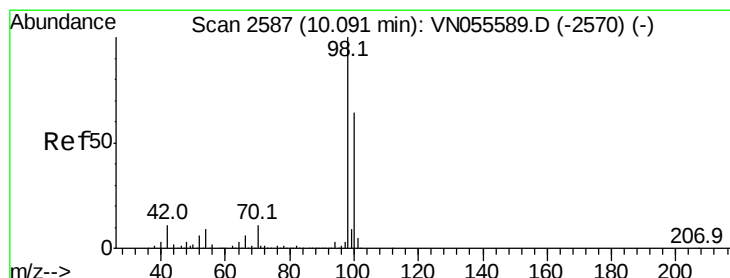
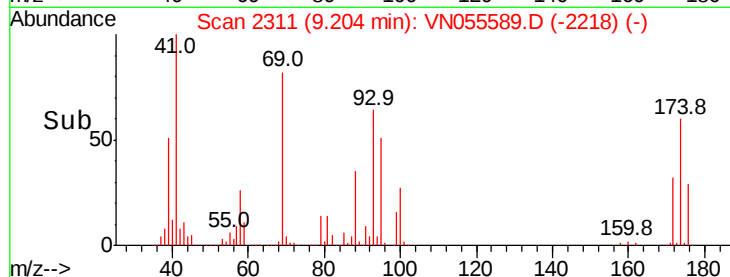
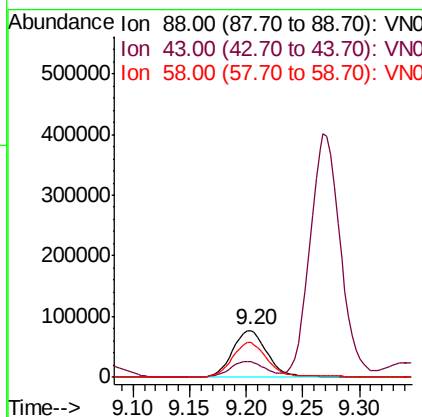
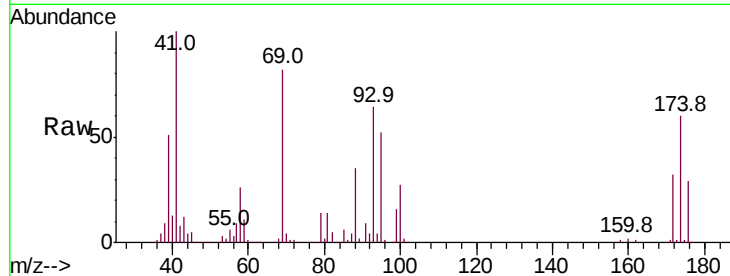
#49
1,4-Dioxane
Concen: 900.371 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	166629
Ion	Ratio	Lower	Upper
88	100		
43	31.7	25.4	38.0
58	74.3	59.4	89.2

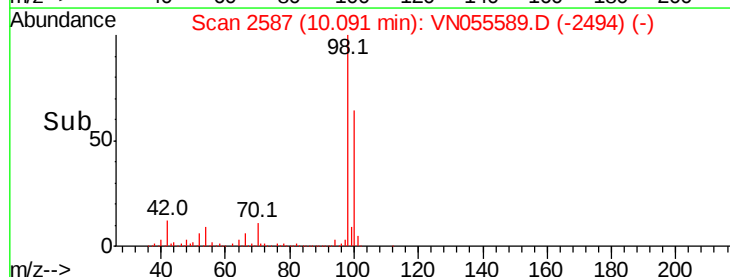
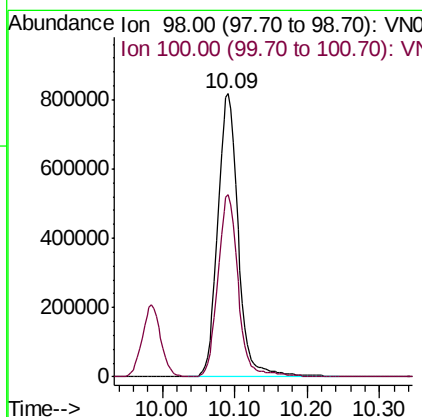
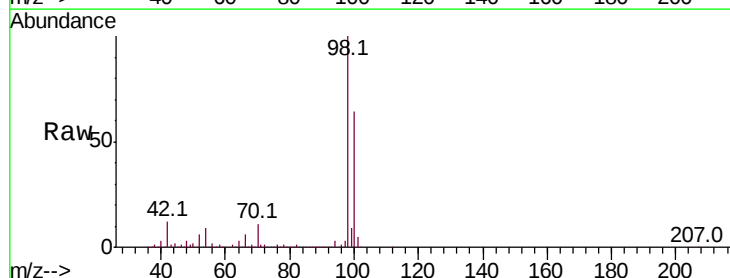
Manual Integrations
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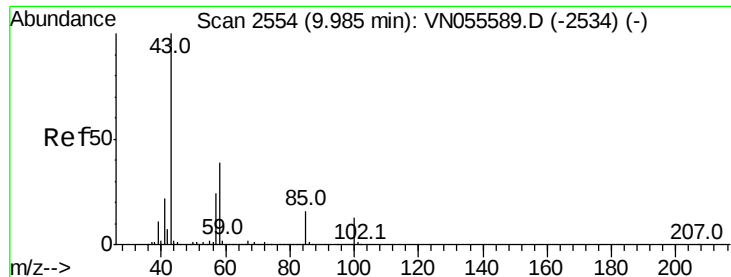
MMDadoda
5/16/2019 1:31:49 PM



#50
Toluene-d8
Concen: 51.105 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion	98	Resp	1600172
Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.7	76.1





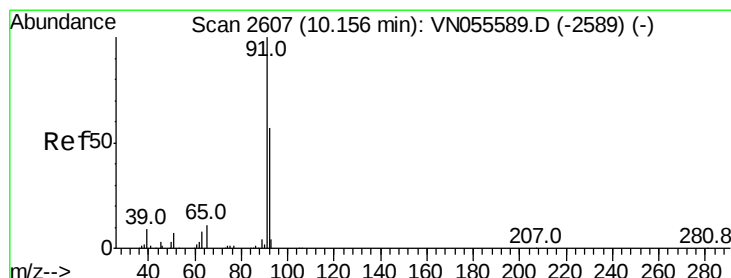
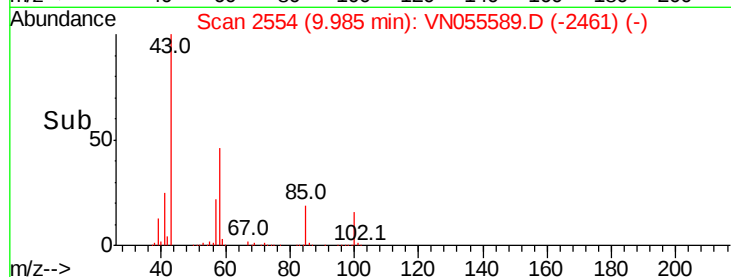
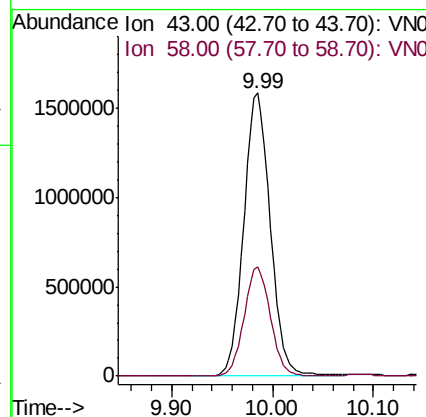
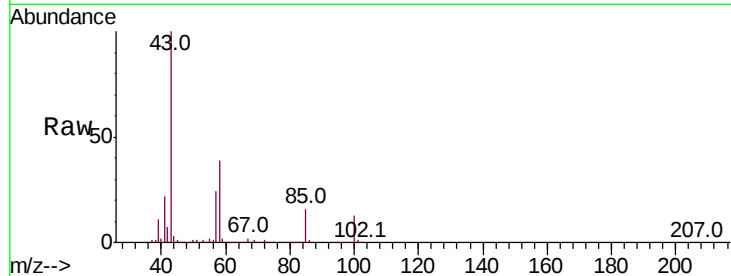
#51
4-Methyl-2-Pentanone
Concen: 222.520 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 2880571
Ion Ratio Lower Upper
43 100
58 38.3 30.6 46.0

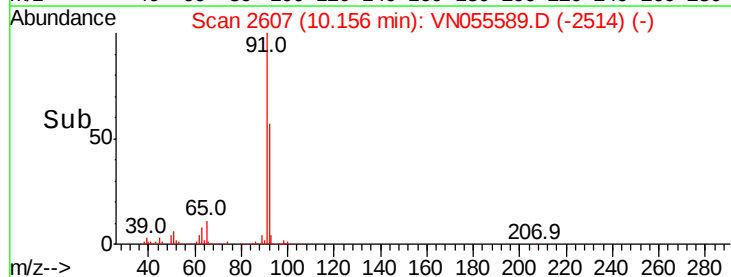
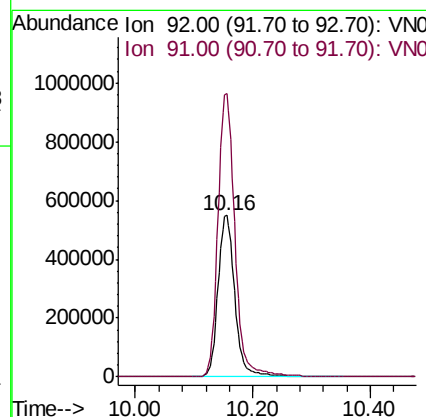
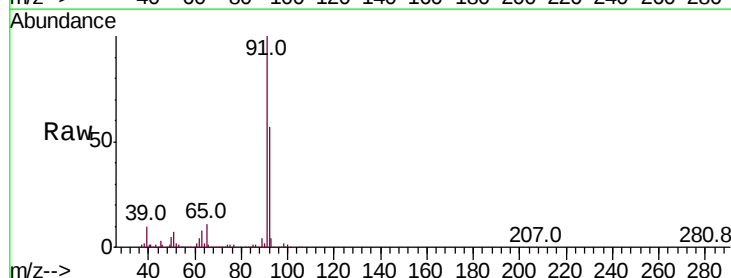
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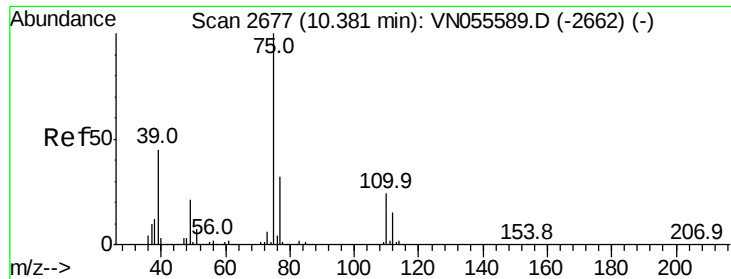
MMDadoda
5/16/2019 1:31:49 PM



#52
Toluene
Concen: 50.233 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion: 92 Resp: 1088314
Ion Ratio Lower Upper
92 100
91 176.9 141.5 212.3





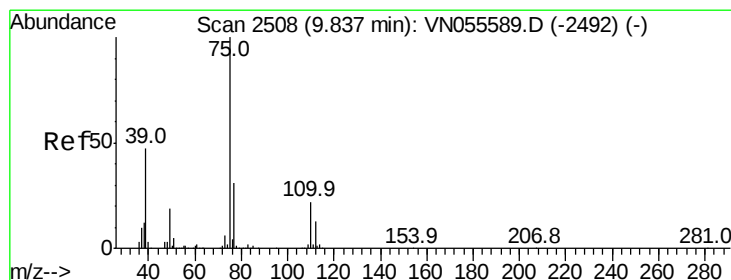
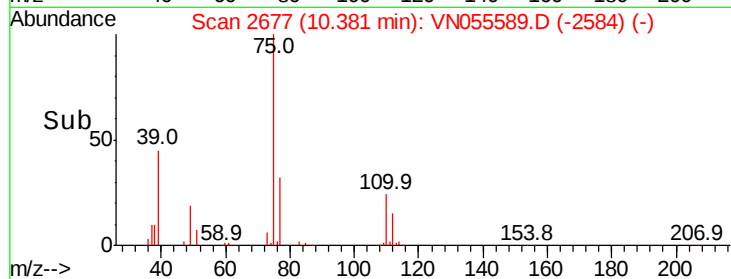
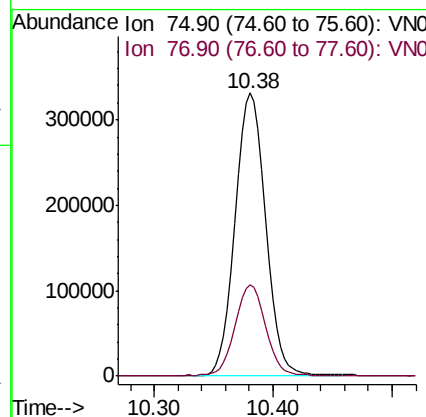
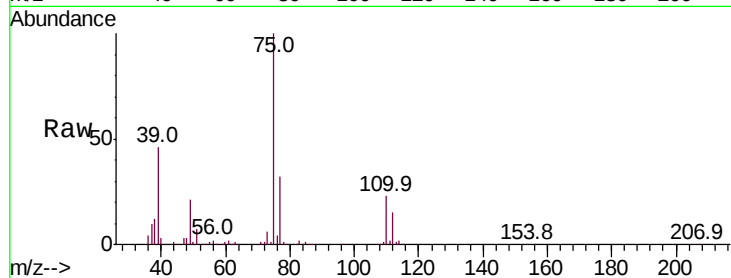
#53
 t-1,3-Dichloropropene
 Concen: 51.660 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	593775		
77	31.9	25.5	38.3	

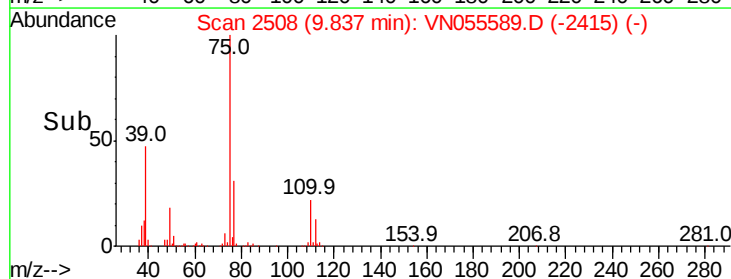
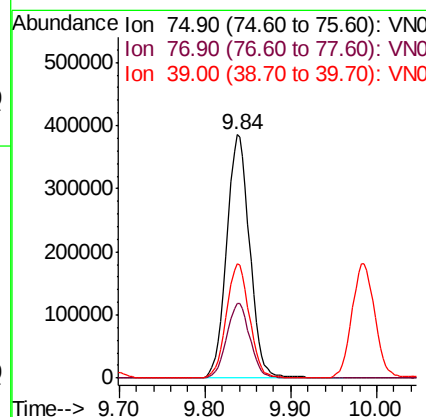
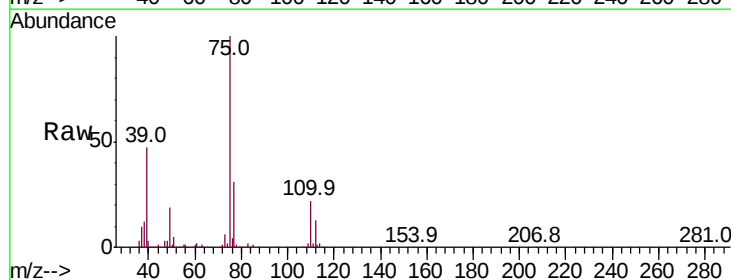
Manual Integrations
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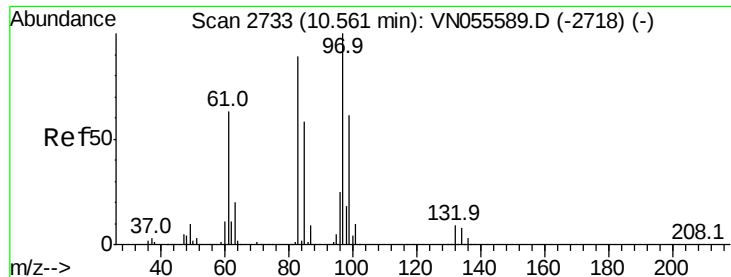
MMDadoda
 5/16/2019 1:31:49 PM



#54
 cis-1,3-Dichloropropene
 Concen: 52.223 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	719573		
77	30.6	24.5	36.7	
39	47.1	37.7	56.5	





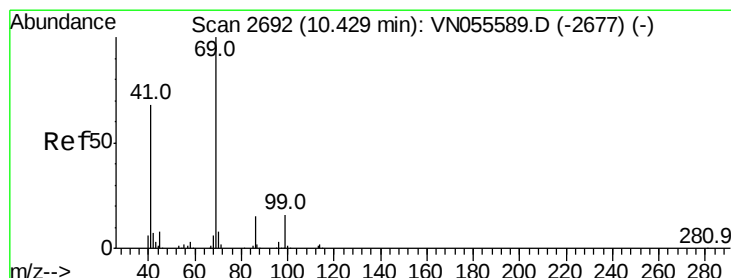
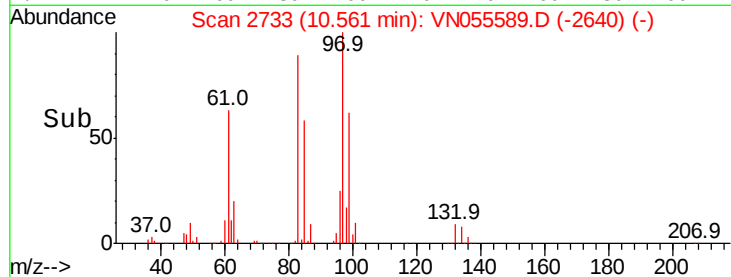
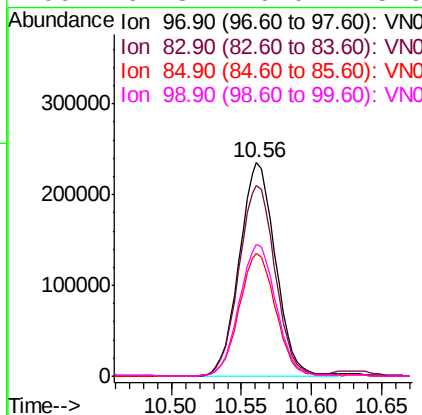
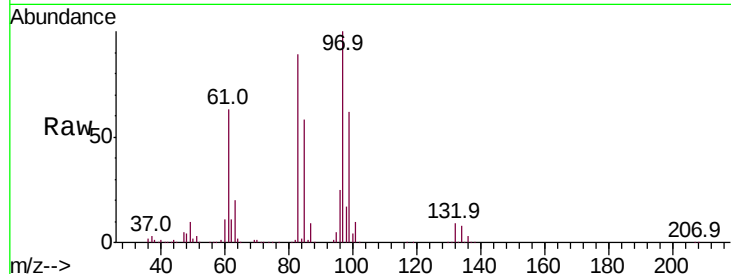
#55
 1,1,2-Trichloroethane
 Concen: 48.307 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		423118		
83	89.4	71.5	107.3		
85	57.8	46.2	69.4		
99	61.3	49.0	73.6		

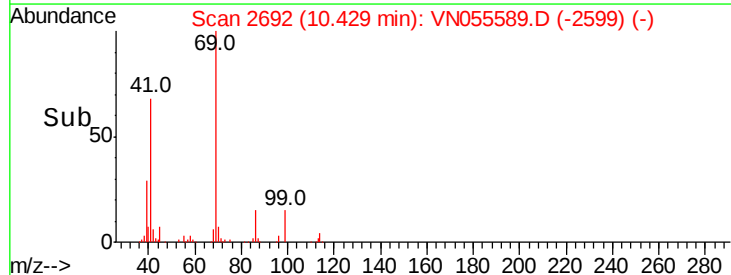
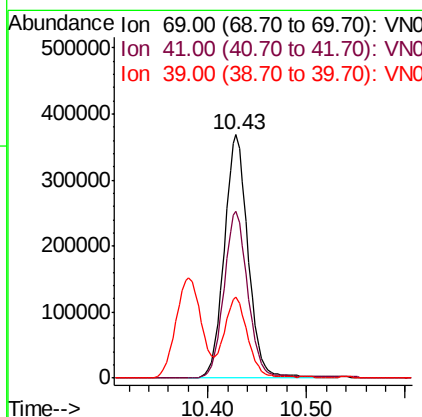
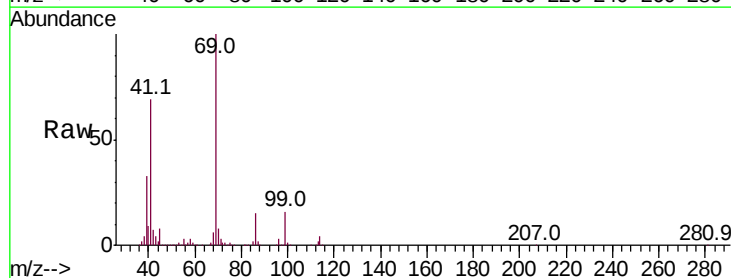
Manual Integrations
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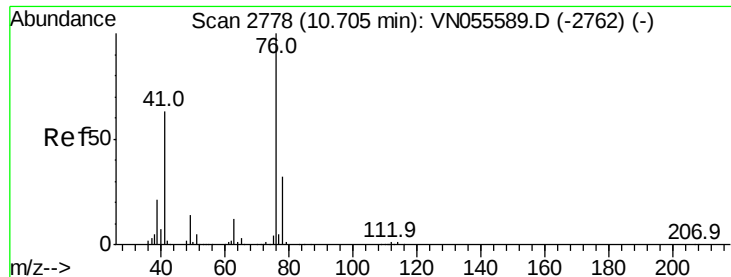
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 5/16/2019 1:31:49 PM



#56
 Ethyl methacrylate
 Concen: 48.571 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		626330		
41	68.3	54.6	82.0		
39	31.9	25.5	38.3		





#57

1,3-Dichloropropane

Concen: 48.217 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 747207

Ion Ratio Lower Upper

76 100

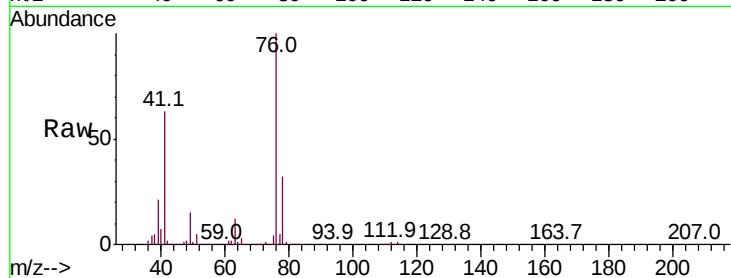
78 32.0 25.6 38.4

Manual Integrations

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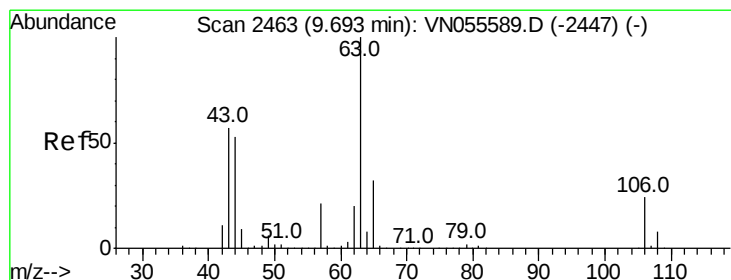
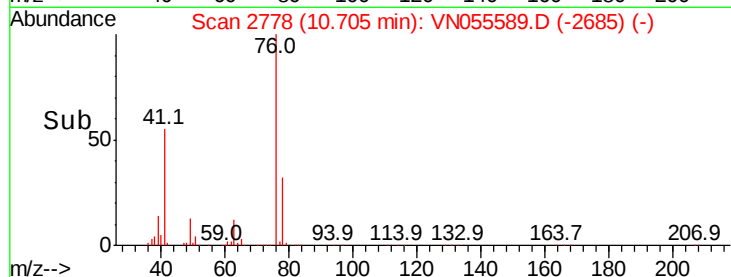
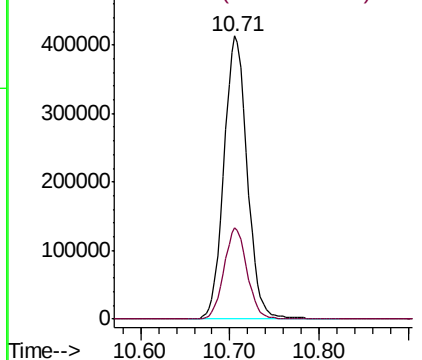
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 244.046 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055589.D

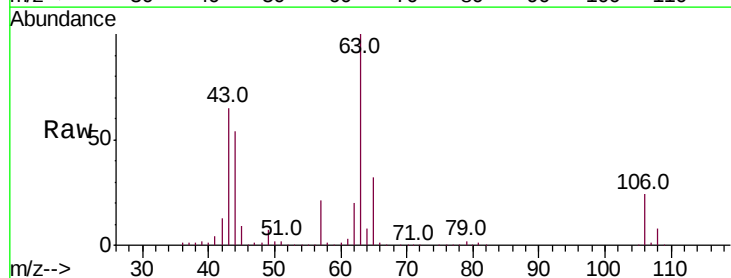
Acq: 14 May 2019 12:47

Tgt Ion: 63 Resp: 867325

Ion Ratio Lower Upper

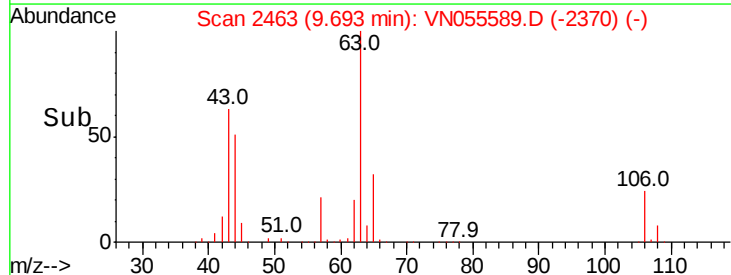
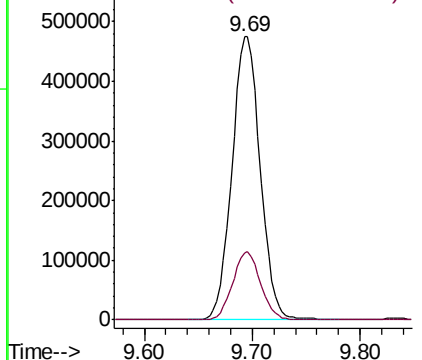
63 100

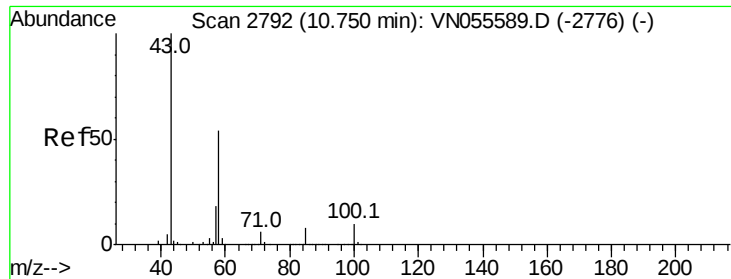
106 23.7 19.0 28.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





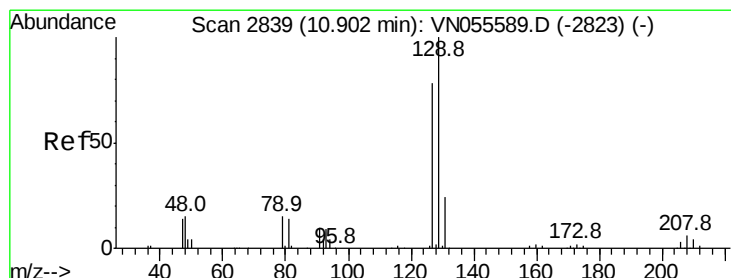
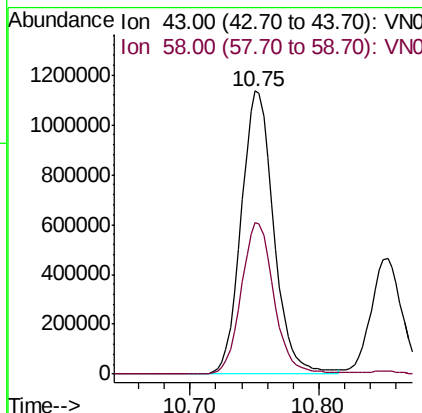
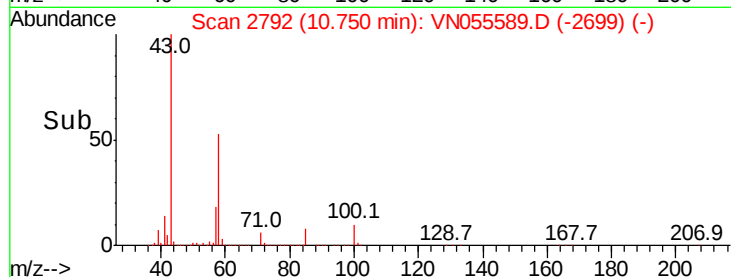
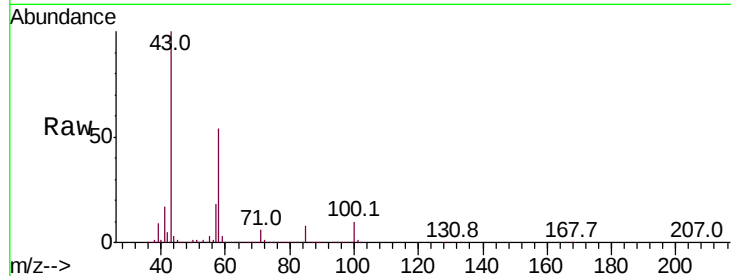
#59
2-Hexanone
Concen: 219.993 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1994206
Ion Ratio Lower Upper
43 100
58 53.9 27.0 80.8

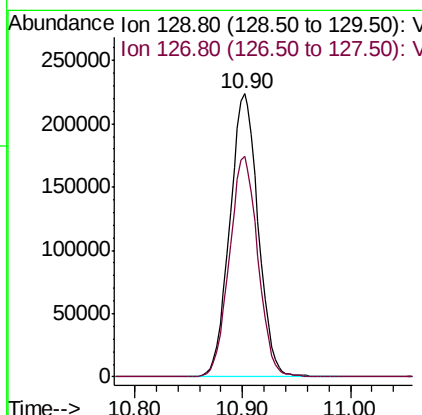
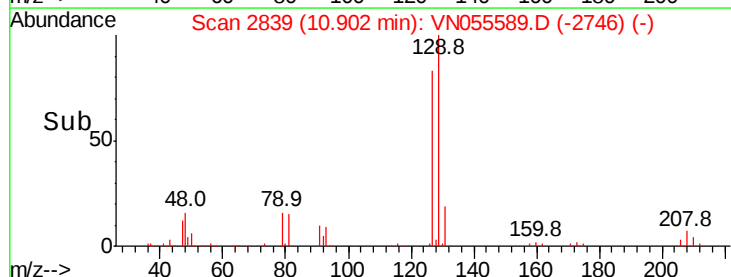
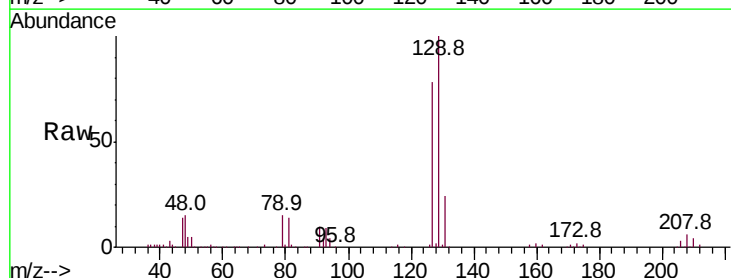
Manual Integrations
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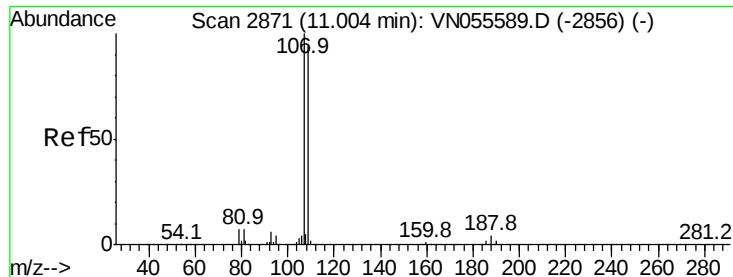
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#60
Dibromochloromethane
Concen: 51.526 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion: 129 Resp: 410611
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 49.484 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 415248

Ion Ratio Lower Upper

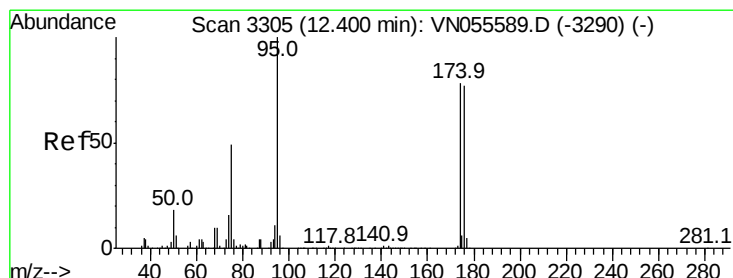
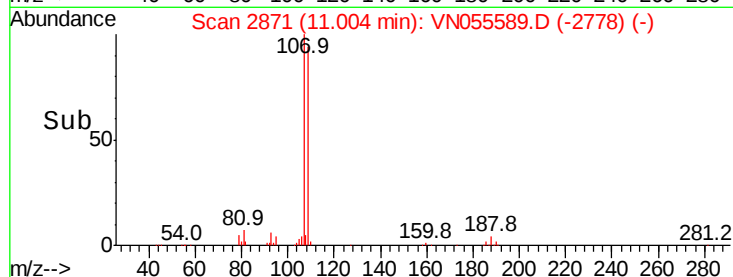
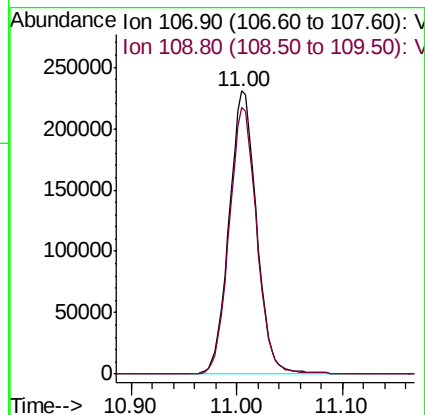
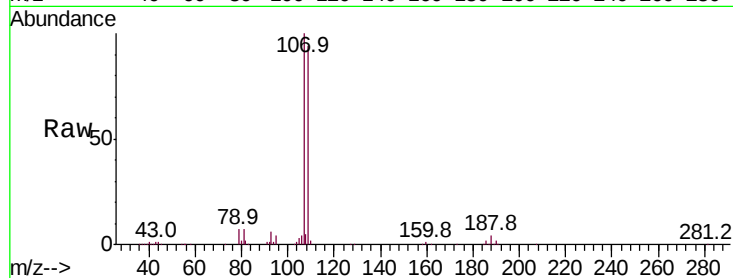
107 100

109 94.8 75.8 113.8

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 50.311 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

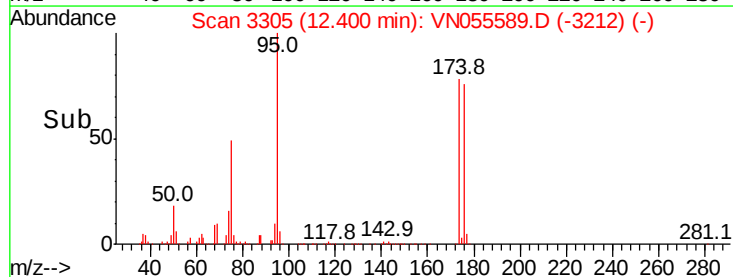
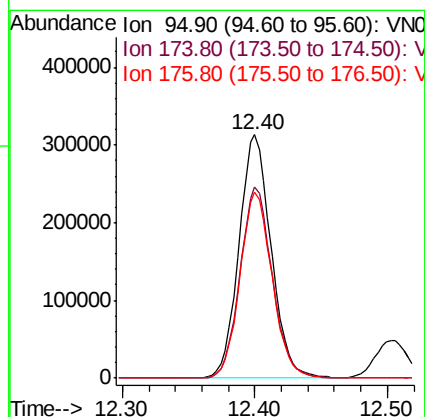
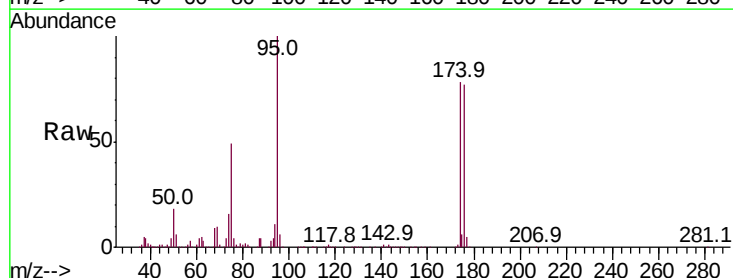
Tgt Ion: 95 Resp: 526093

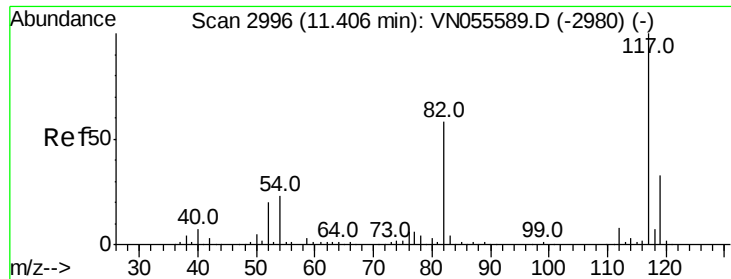
Ion Ratio Lower Upper

95 100

174 79.2 0.0 158.4

176 76.7 0.0 153.4





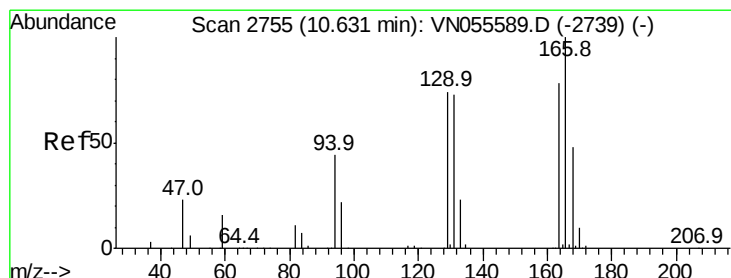
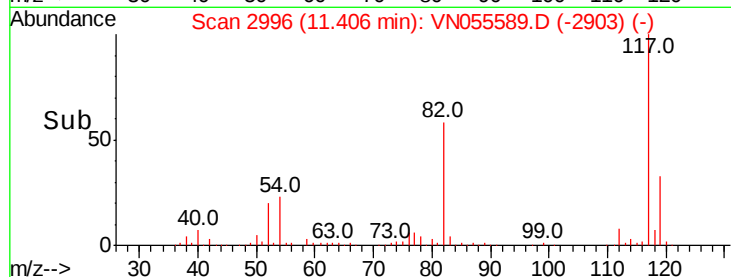
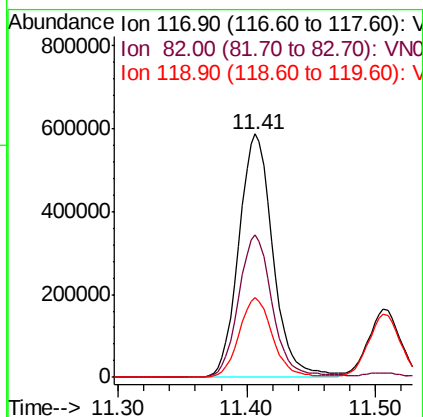
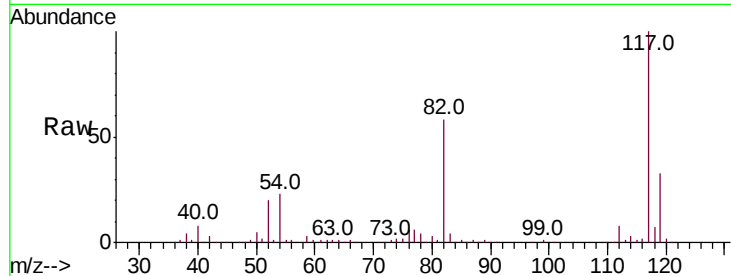
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:117 Resp: 1082192
Ion Ratio Lower Upper
117 100
82 58.4 46.7 70.1
119 32.5 26.0 39.0

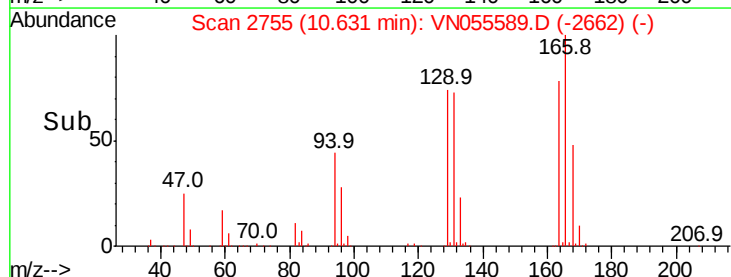
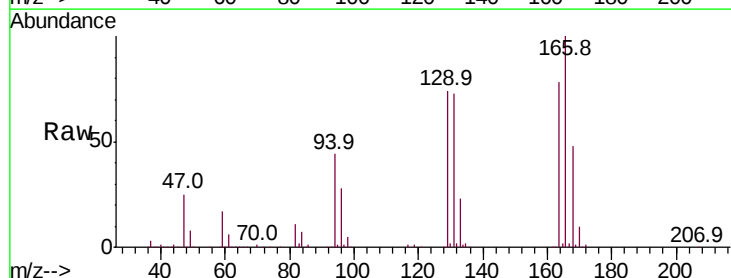
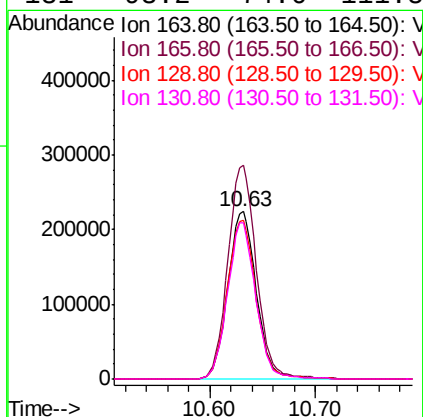
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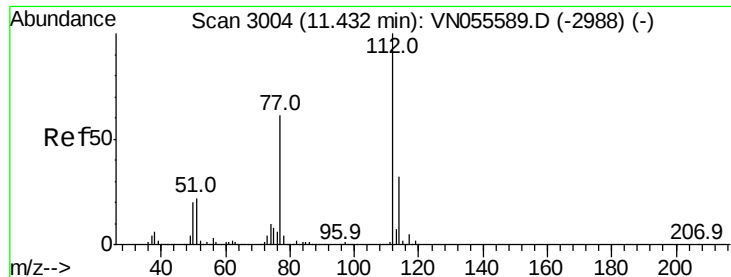
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#64
Tetrachloroethene
Concen: 47.292 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion:164 Resp: 418463
Ion Ratio Lower Upper
164 100
166 127.6 102.1 153.1
129 94.8 75.8 113.8
131 93.2 74.6 111.8





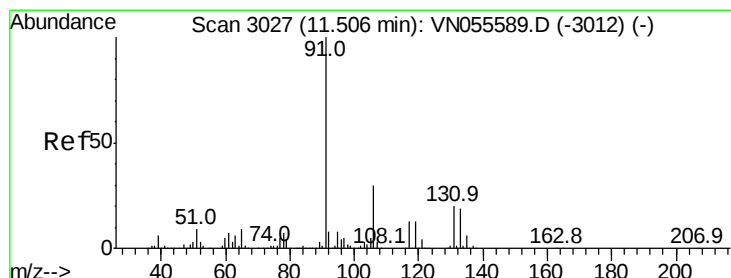
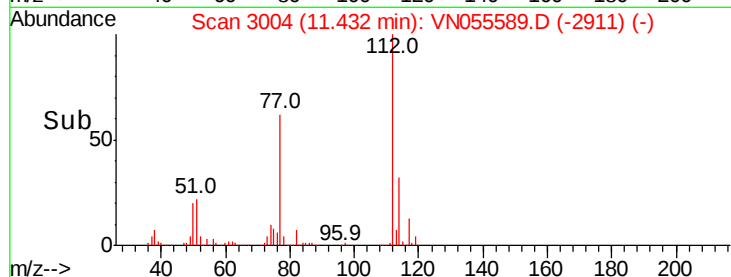
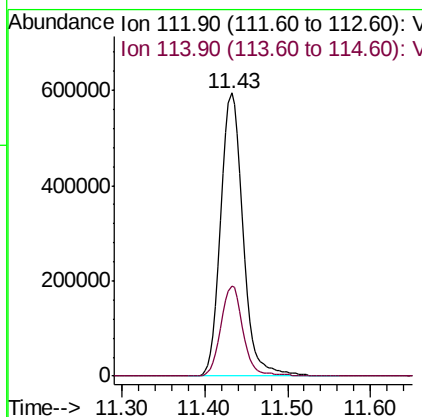
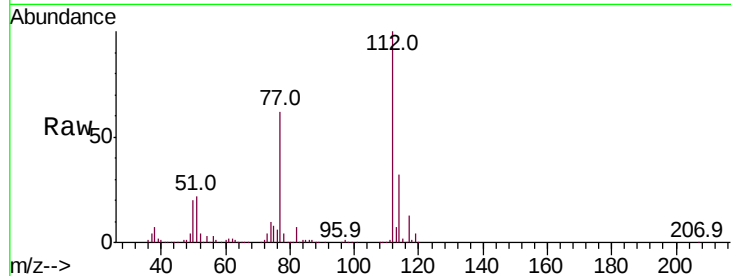
#65
Chlorobenzene
Concen: 49.711 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 1104601
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

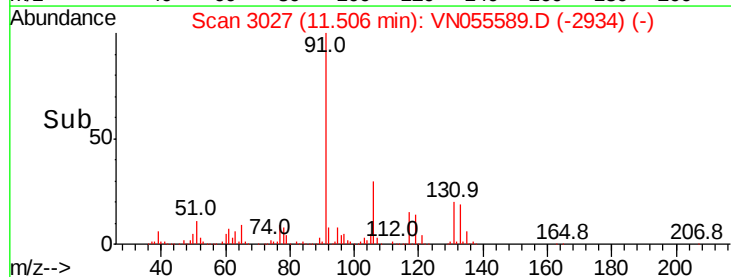
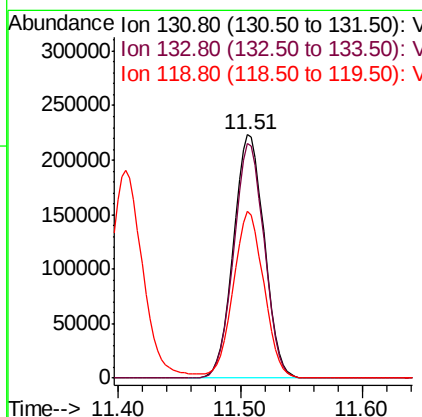
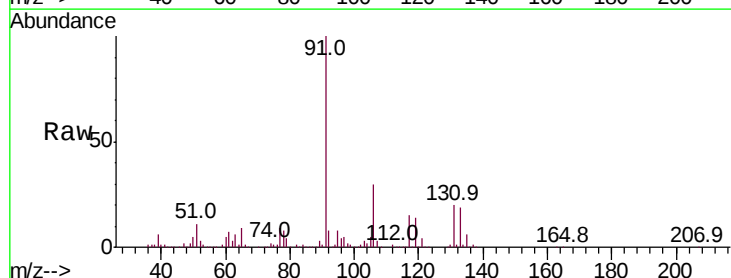
Manual Integrations
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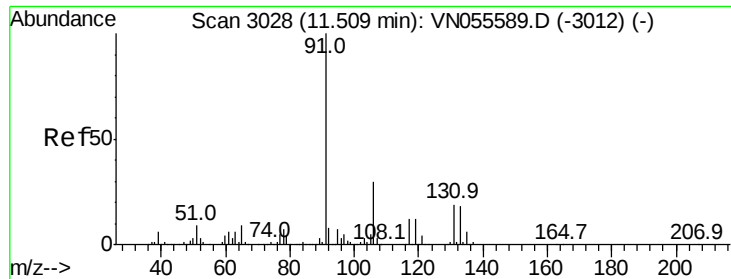
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.945 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion:131 Resp: 390967
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 68.3 34.2 102.5





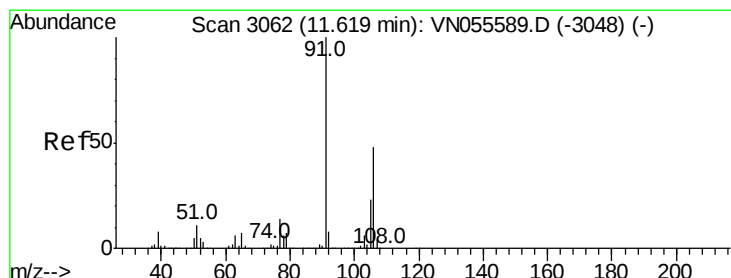
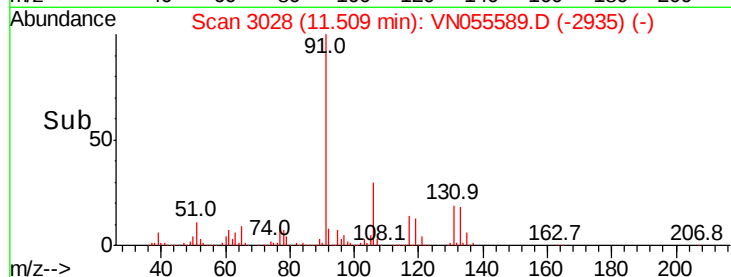
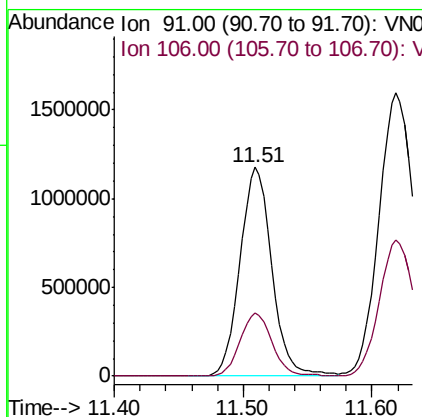
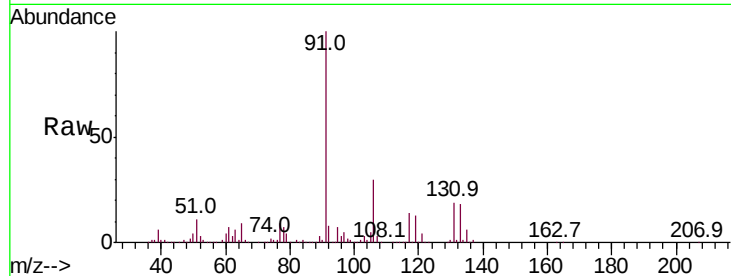
#67
Ethyl Benzene
Concen: 48.812 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 2026459
Ion Ratio Lower Upper
91 100
106 30.1 24.1 36.1

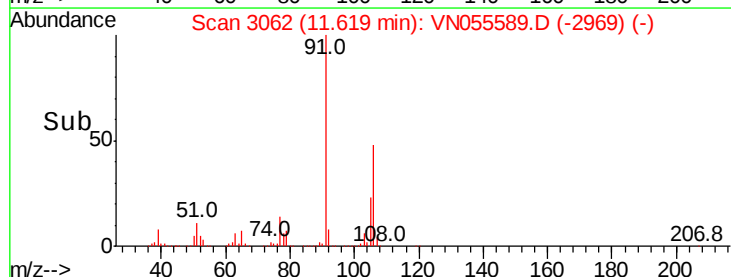
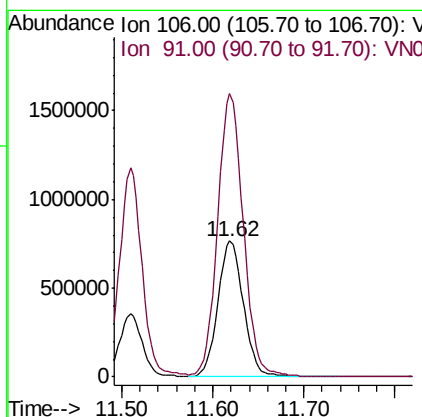
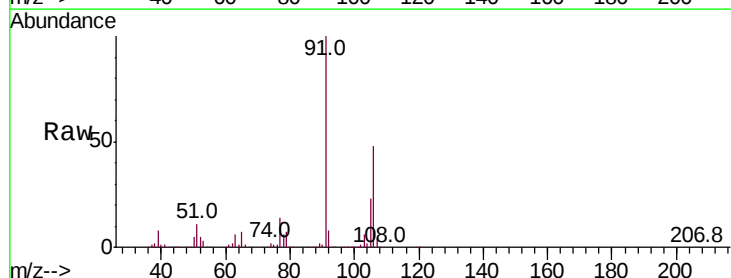
Manual Integrations
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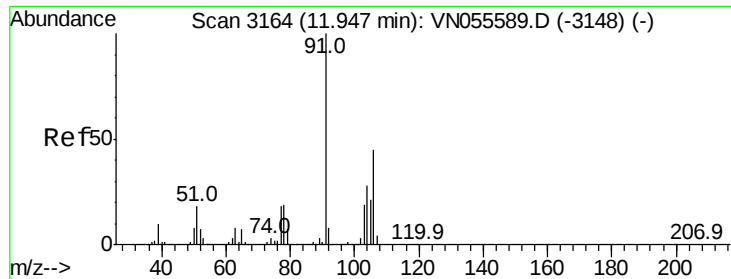
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#68
m/p-Xylenes
Concen: 100.265 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion: 106 Resp: 1498034
Ion Ratio Lower Upper
106 100
91 209.4 167.5 251.3





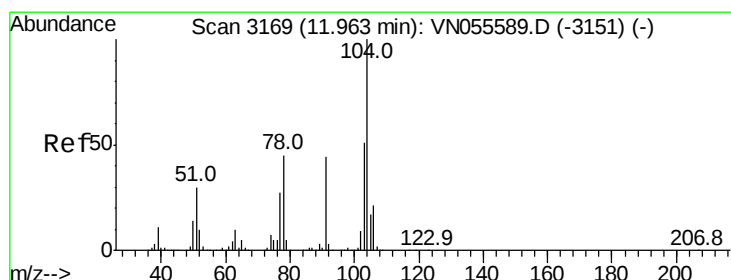
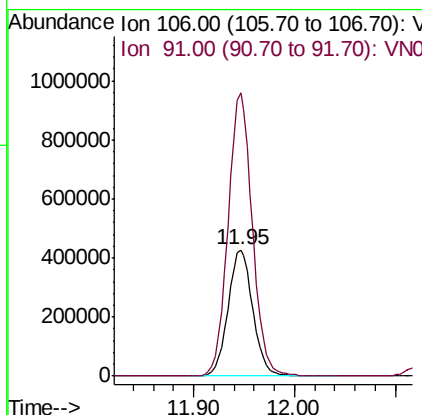
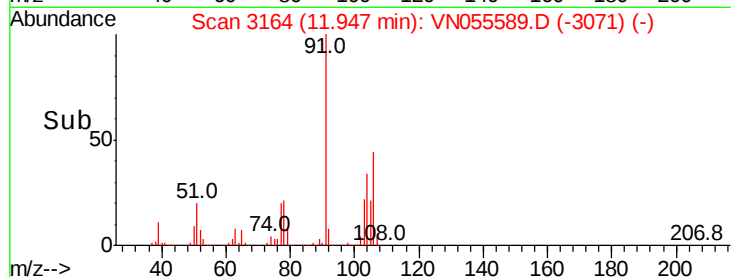
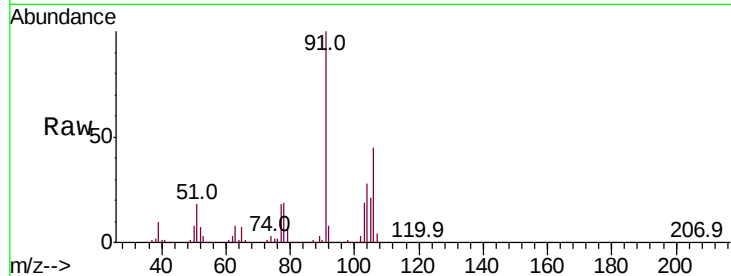
#69
o-Xylene
Concen: 49.795 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:106 Resp: 730205
Ion Ratio Lower Upper
106 100
91 220.4 110.2 330.6

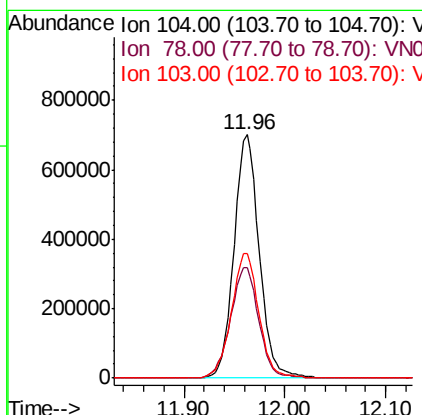
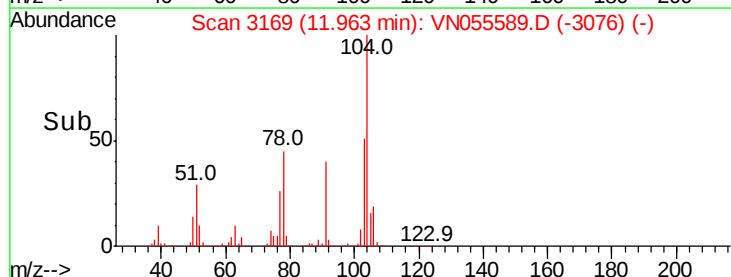
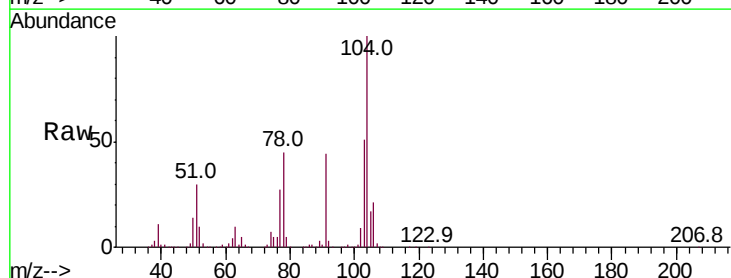
Manual Integrations
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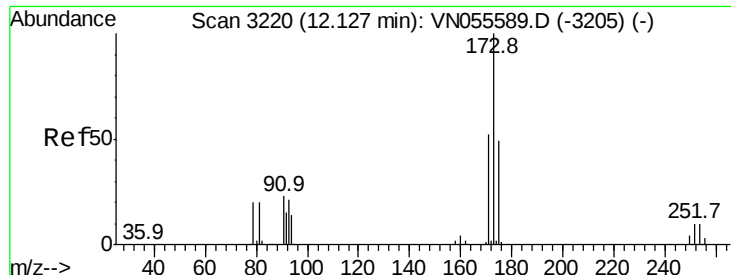
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#70
Styrene
Concen: 52.054 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion:104 Resp: 1219916
Ion Ratio Lower Upper
104 100
78 51.0 40.8 61.2
103 55.8 44.6 67.0





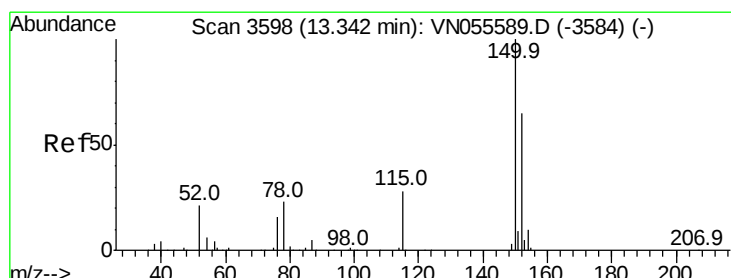
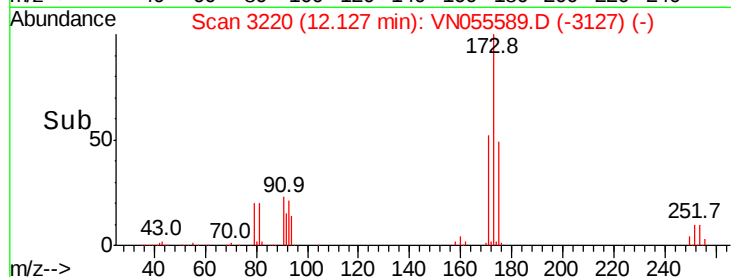
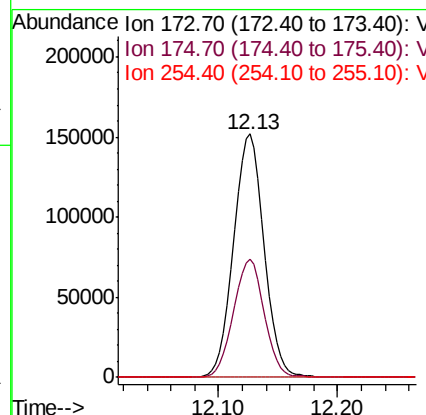
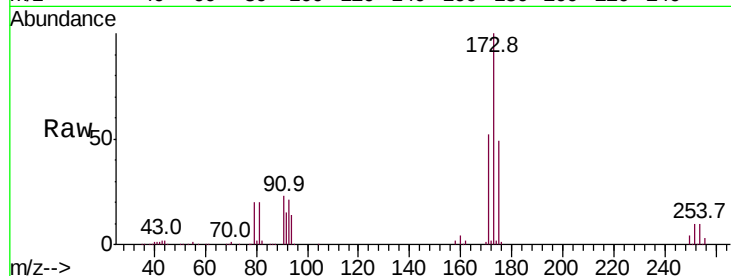
#71
Bromoform
Concen: 52.461 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.4	73.4
254	0.1	0.1	0.1

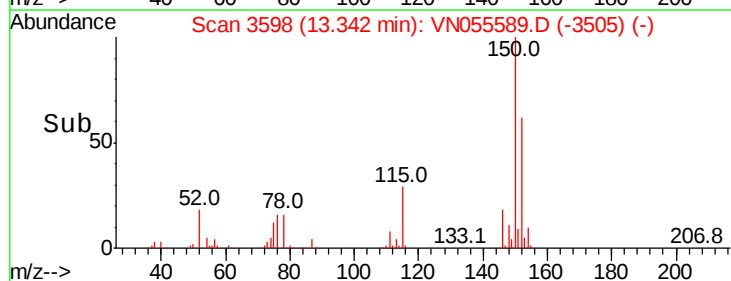
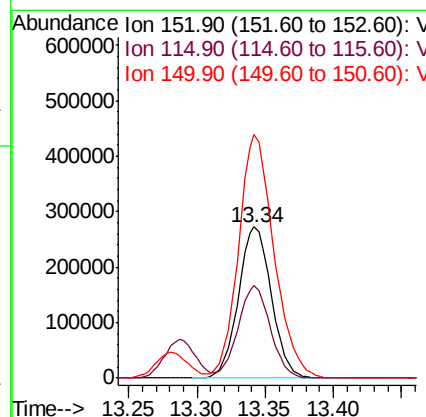
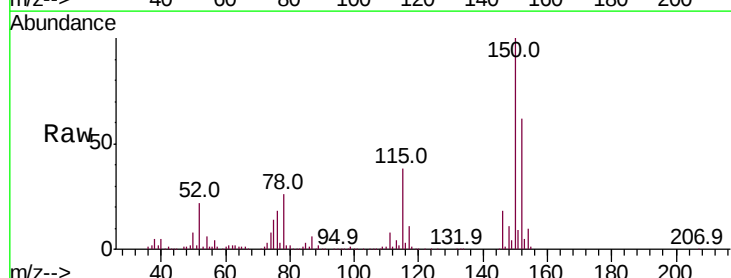
Manual Integrations
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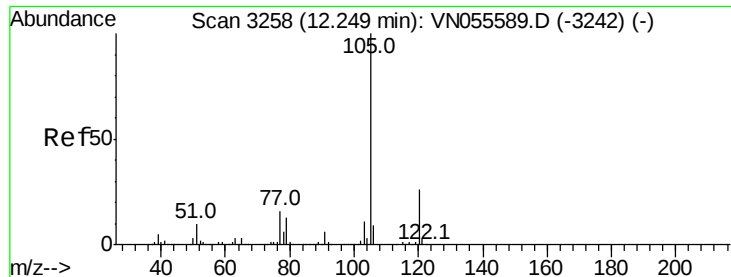
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	29.8	89.4
150	173.3	0.0	346.6





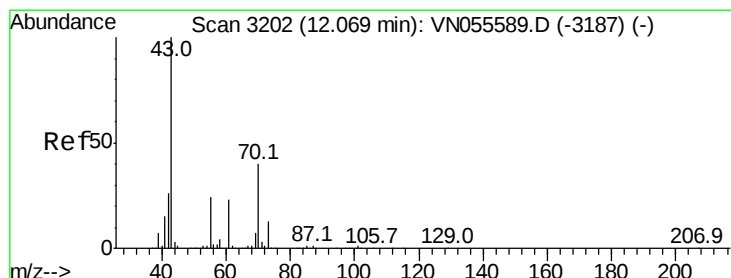
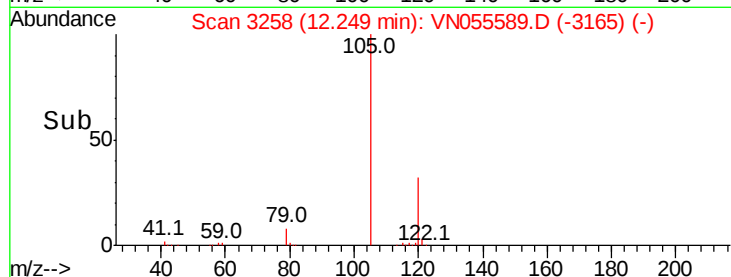
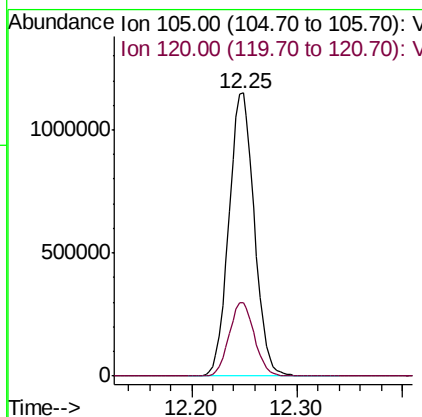
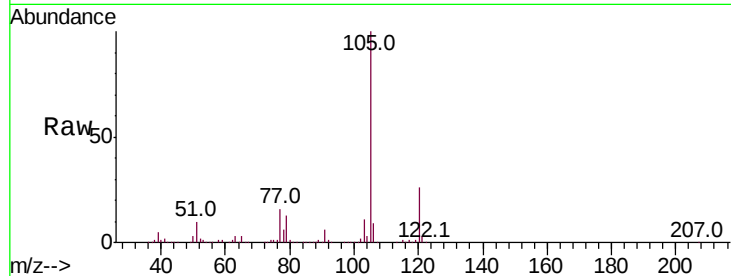
#73
Isopropylbenzene
Concen: 42.833 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:105 Resp: 1908383
Ion Ratio Lower Upper
105 100
120 26.0 13.0 39.0

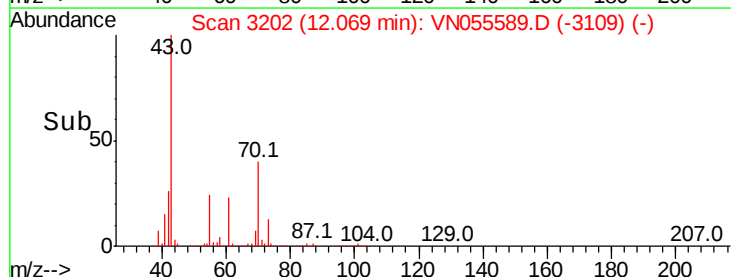
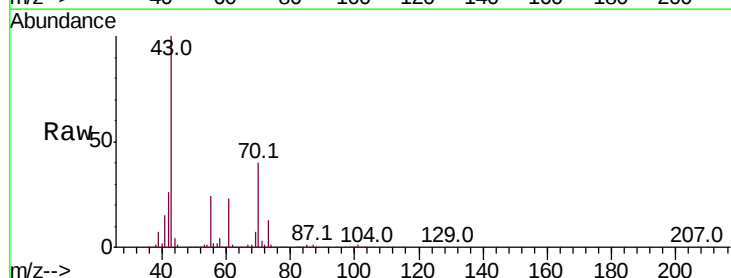
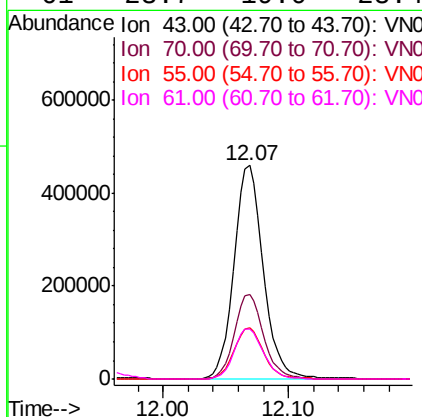
Manual Integrations
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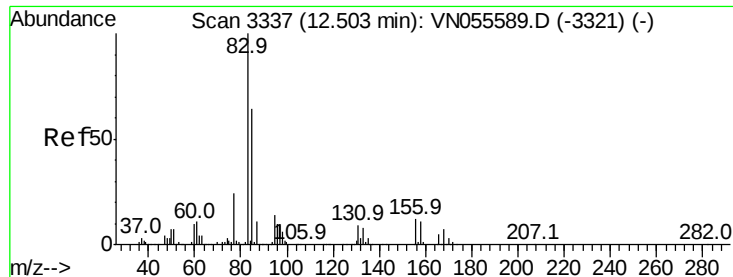
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5/16/2019 1:31:49 PM



#74
N-ethyl acetate
Concen: 43.927 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion: 43 Resp: 742206
Ion Ratio Lower Upper
43 100
70 39.7 31.8 47.6
55 24.6 19.7 29.5
61 23.7 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 40.577 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

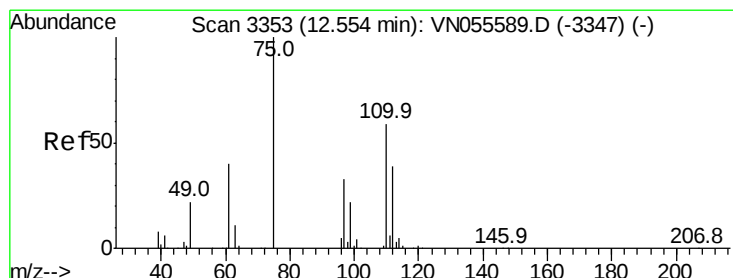
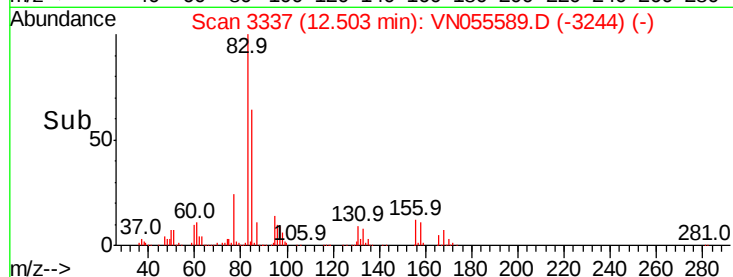
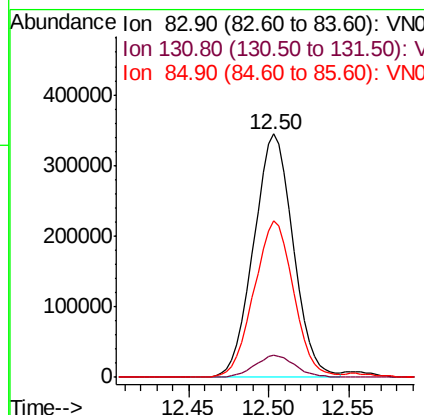
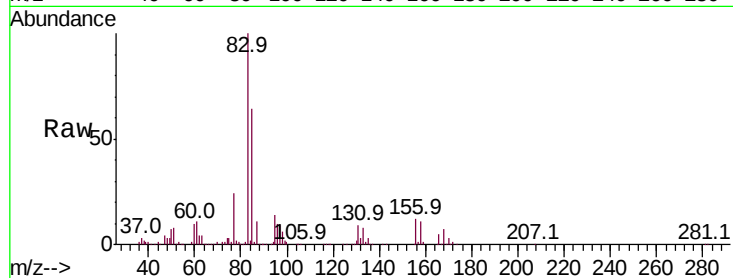
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	586043
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.6	13.8
85	64.4	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 39.458 ug/l m

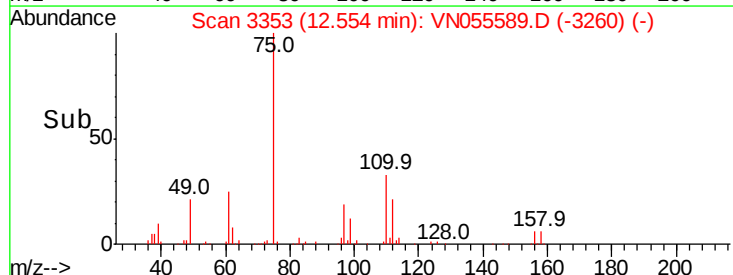
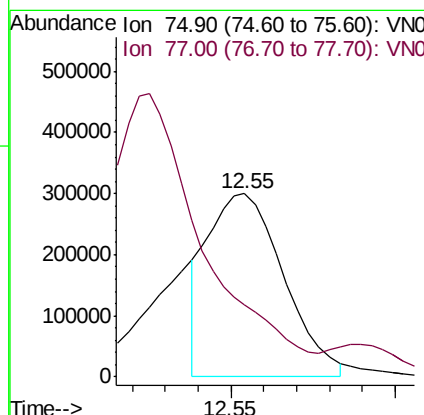
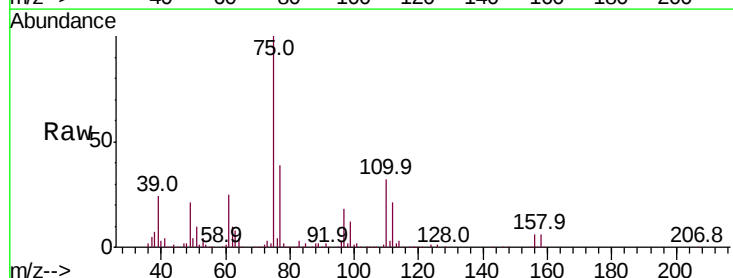
RT: 12.55 min Scan# 3353

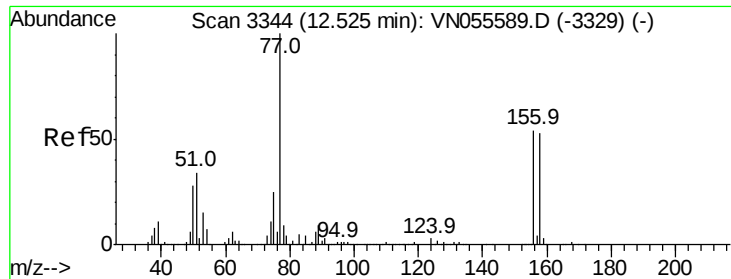
Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Tgt Ion:	75	Resp:	481491
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 44.721 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

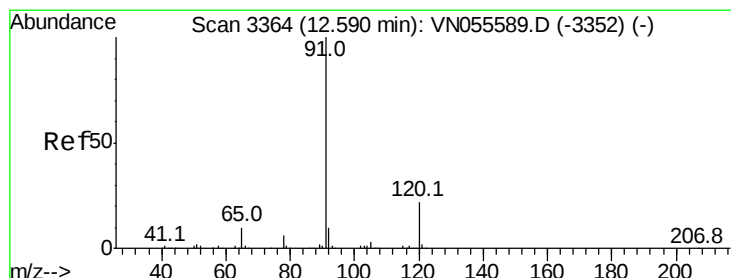
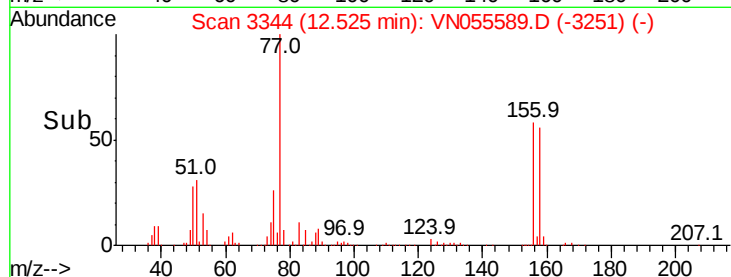
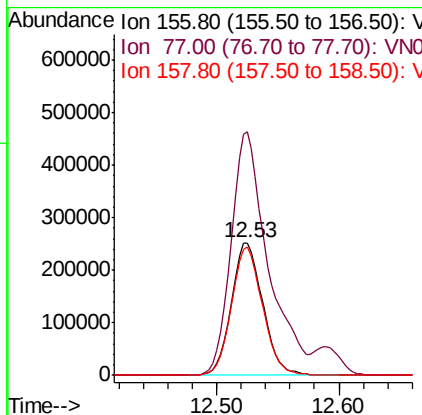
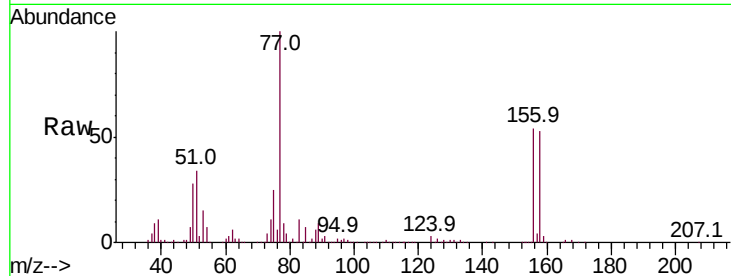
ClientSampled :

VSTDICCC050

Tot Ion:	156	Resp:	449157
Ion Ratio	Lower	Upper	
156	100		
77	217.8	108.9	326.7
158	96.2	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 45.122 ug/l

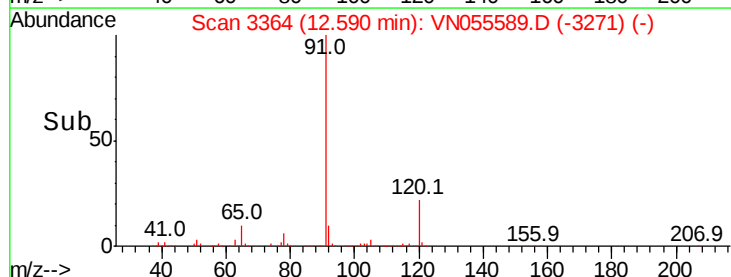
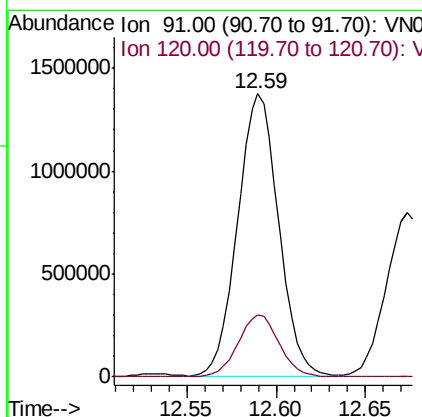
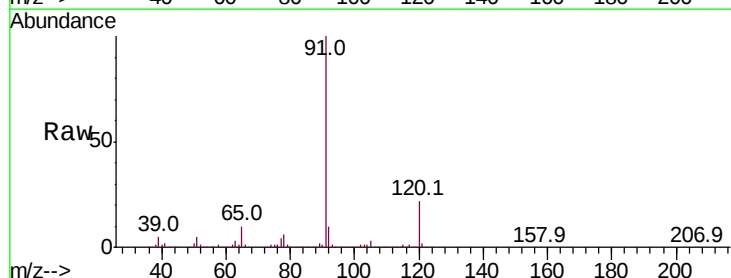
RT: 12.59 min Scan# 3364

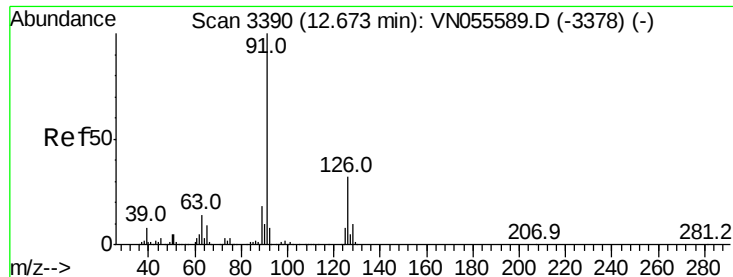
Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Tgt Ion:	91	Resp:	2194193
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.0	33.0





#79

2-Chlorotoluene

Concen: 43.738 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 1323538

Ion Ratio Lower Upper

91 100

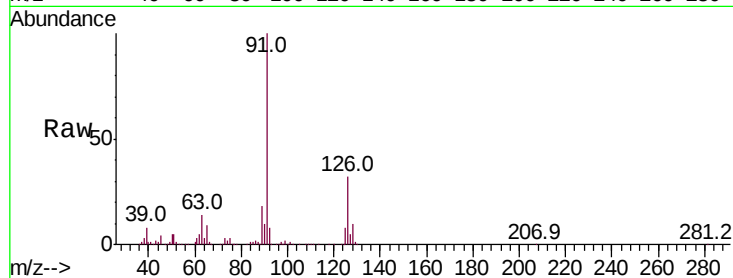
126 33.1 16.6 49.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055589.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055589.D (-3378) (-)

1000000

800000

600000

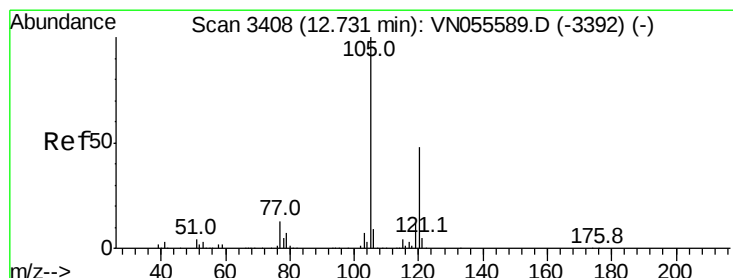
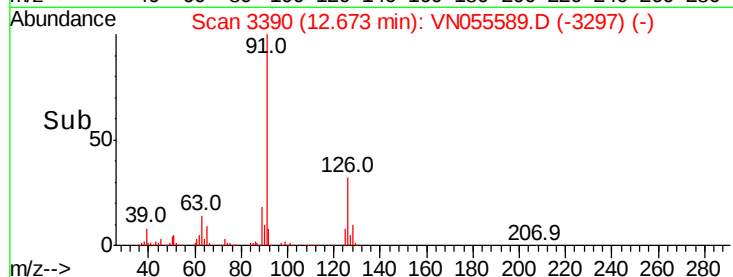
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 44.796 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055589.D

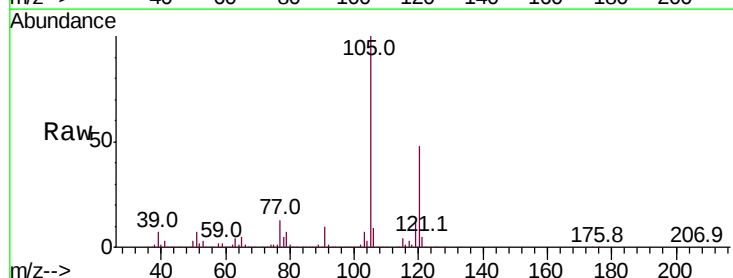
Acq: 14 May 2019 12:47

Tgt Ion:105 Resp: 1621942

Ion Ratio Lower Upper

105 100

120 47.5 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): VN055589.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN055589.D (-3392) (-)

1200000

1000000

800000

600000

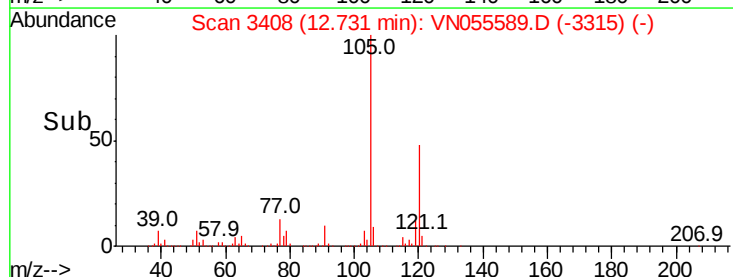
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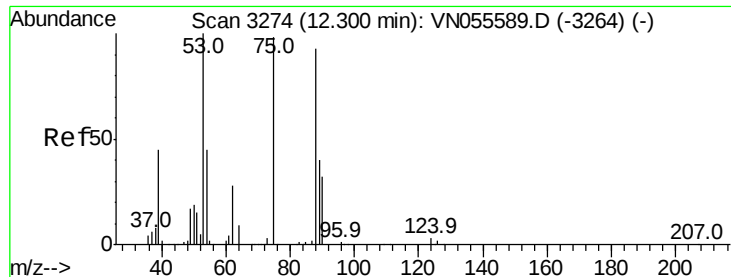
200000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 44.612 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 146882

Ion Ratio Lower Upper

75 100

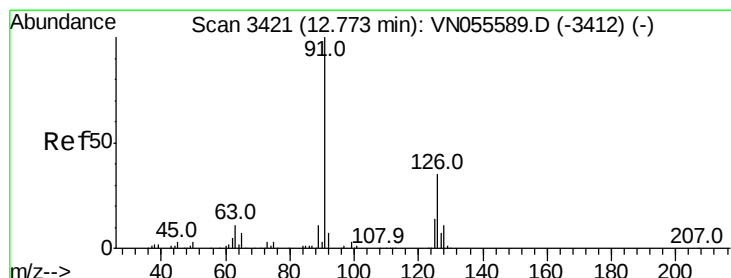
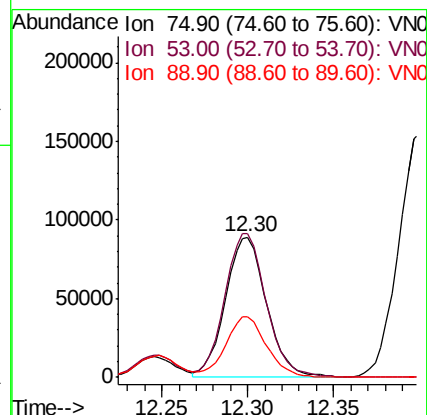
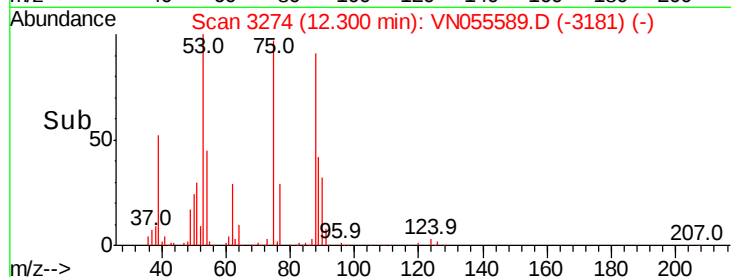
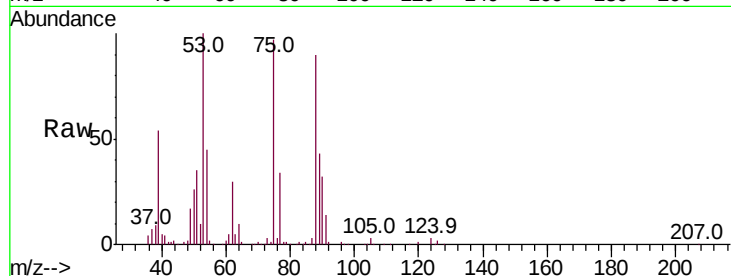
53 104.9 83.9 125.9

89 43.4 34.7 52.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 45.327 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055589.D

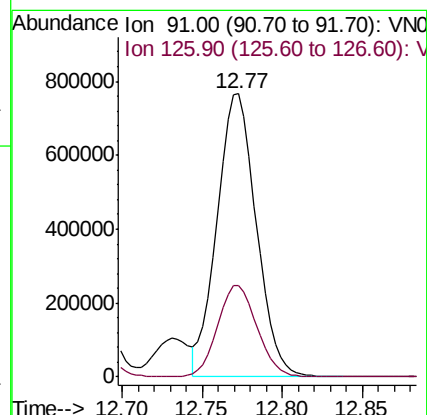
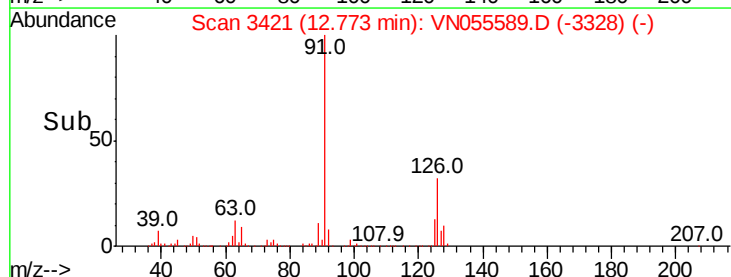
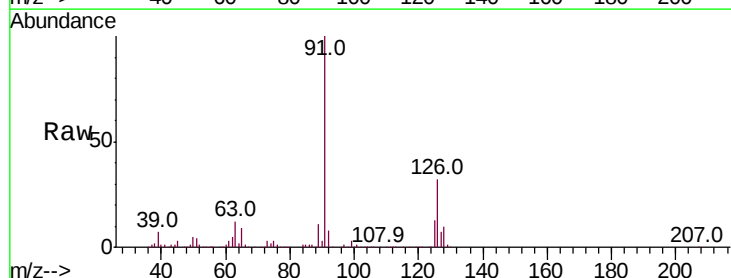
Acq: 14 May 2019 12:47

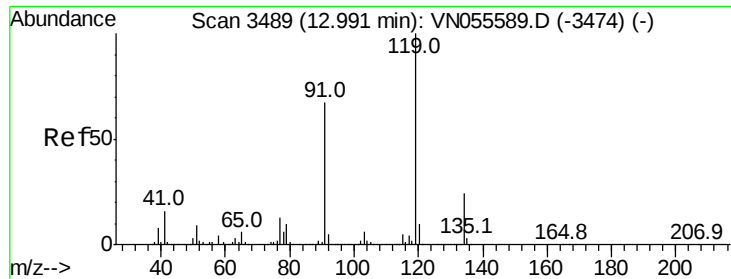
Tgt Ion: 91 Resp: 1297017

Ion Ratio Lower Upper

91 100

126 32.4 16.2 48.6





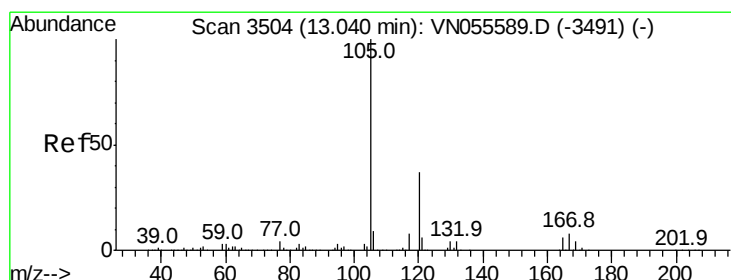
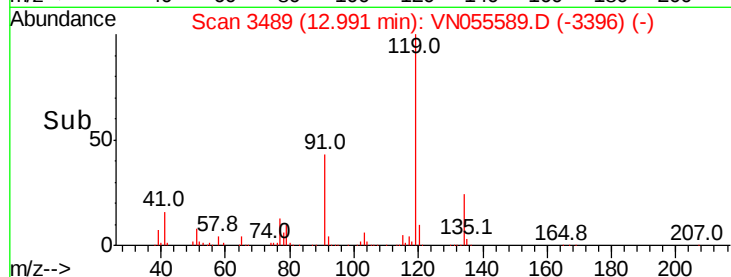
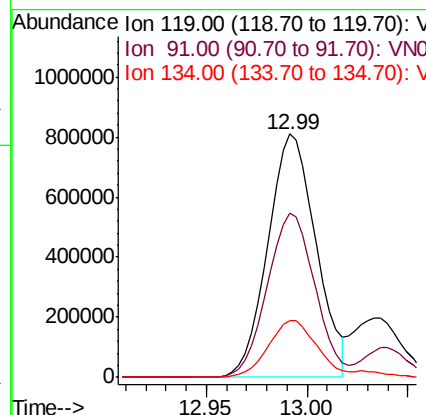
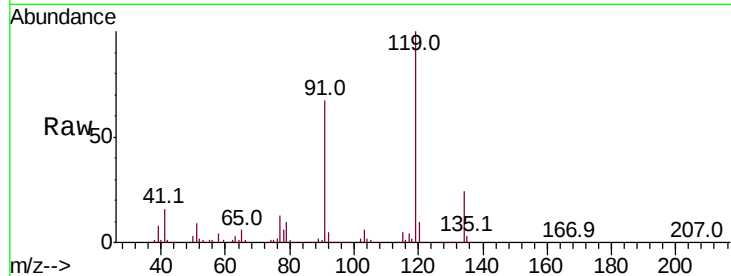
#83
 tert-Butylbenzene
 Concen: 43.309 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.9	33.5	100.4
134	25.4	12.7	38.1

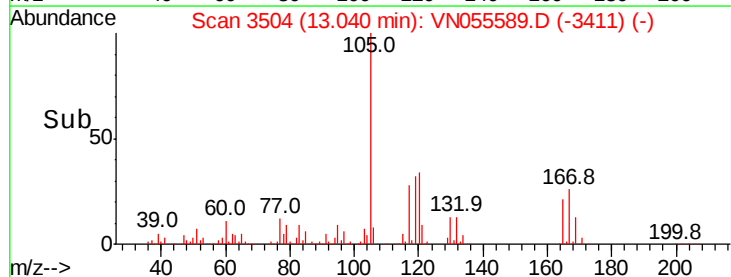
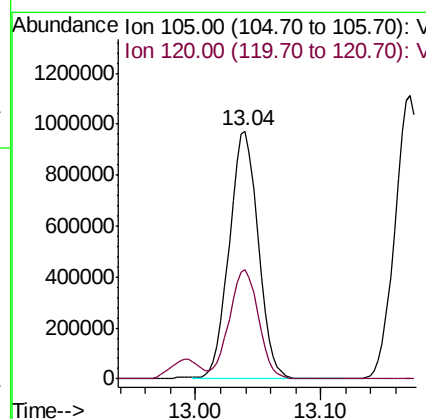
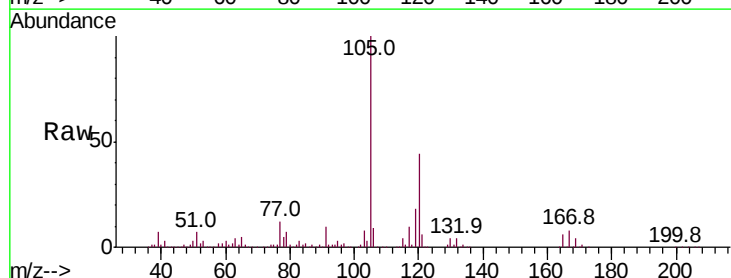
Manual Integrations
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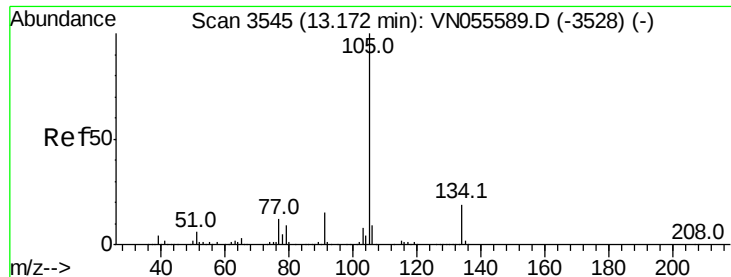
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.914 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.2	66.6





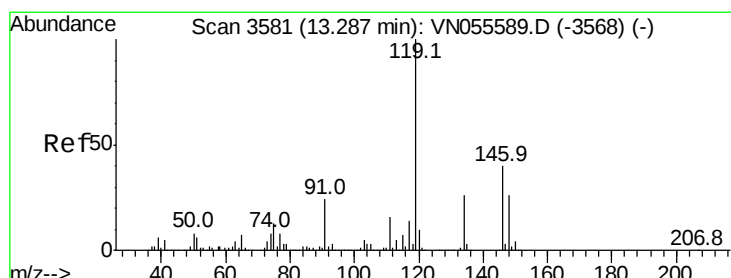
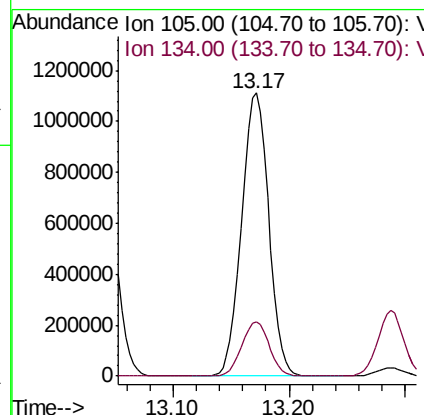
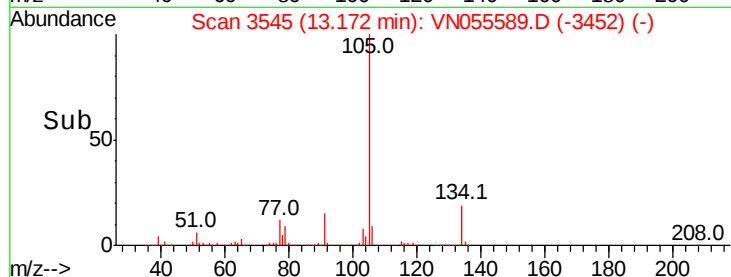
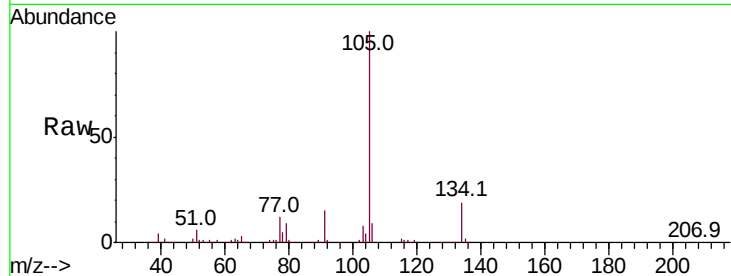
#85
 sec-Butylbenzene
 Concen: 43.620 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 1794725
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1

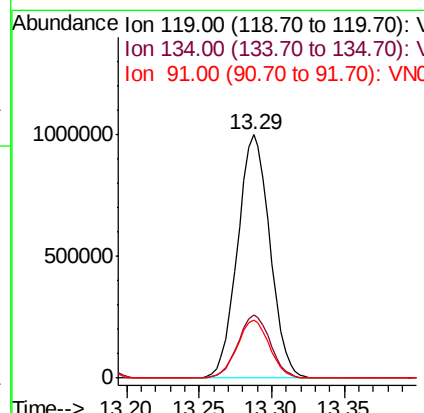
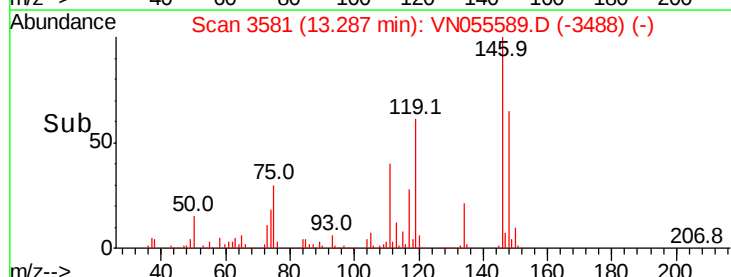
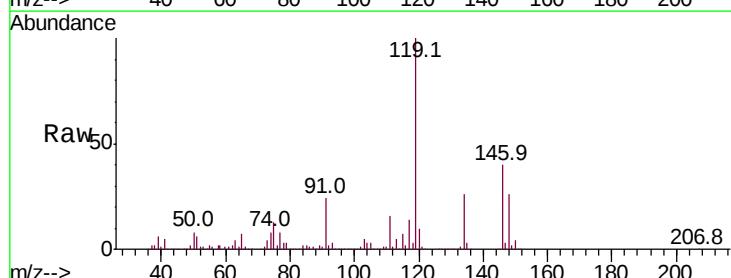
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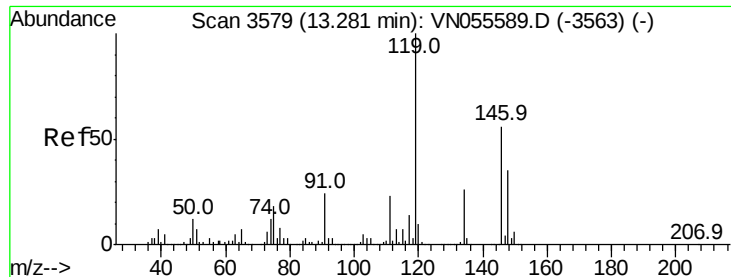
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#86
 p-Isopropyltoluene
 Concen: 46.037 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Tgt Ion:119 Resp: 1541275
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 39.0
 91 23.7 11.9 35.5





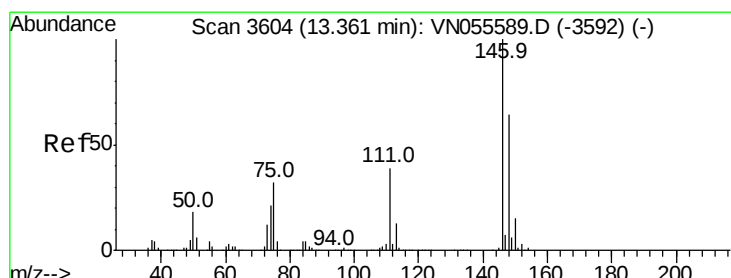
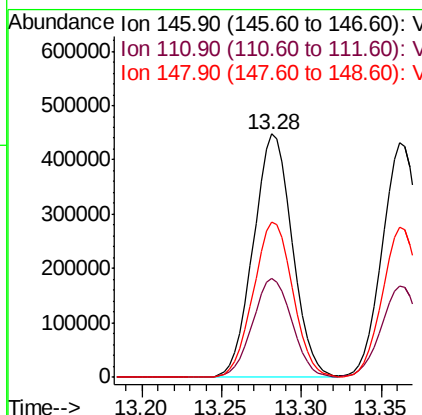
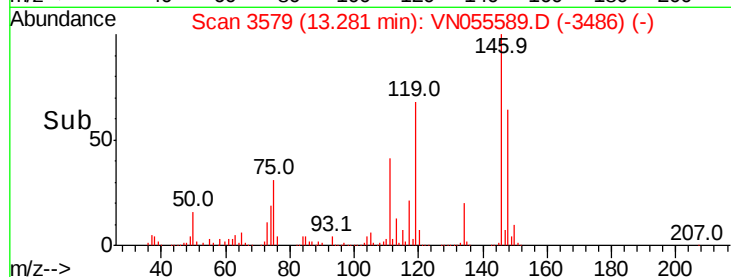
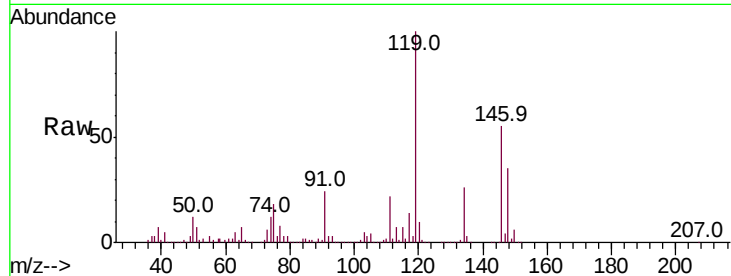
#87
 1,3-Dichlorobenzene
 Concen: 48.459 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	64.6	32.3	96.9

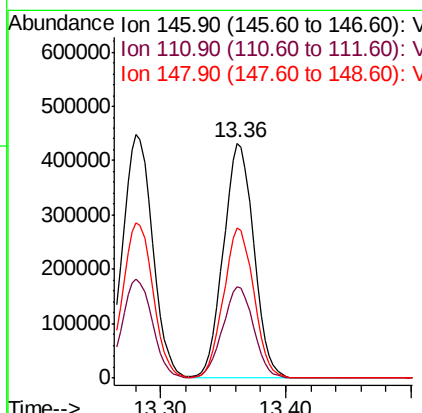
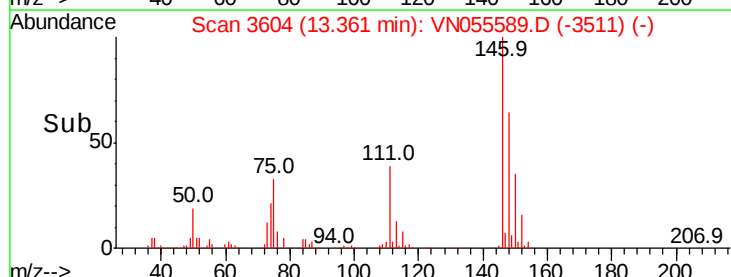
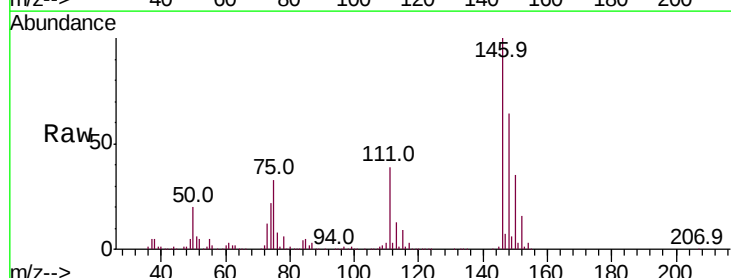
Manual Integrations
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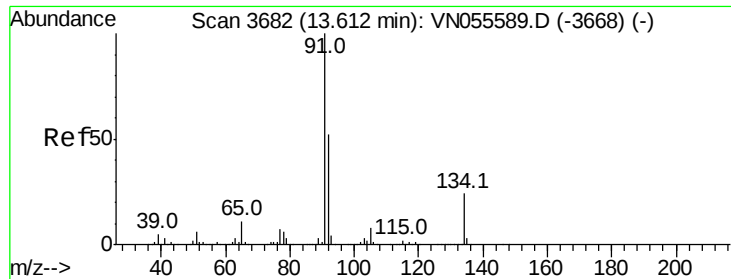
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 47.699 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055589.D
 Acq: 14 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	63.6	31.8	95.4





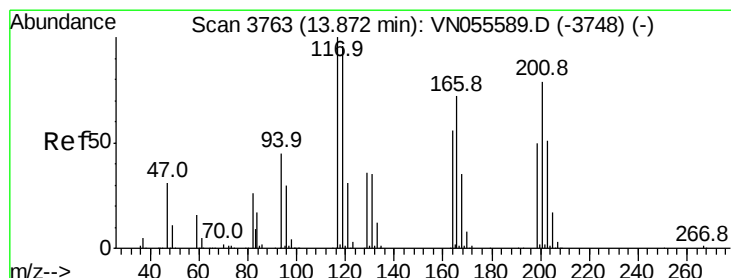
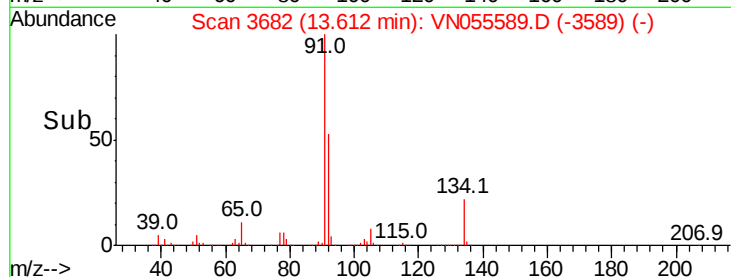
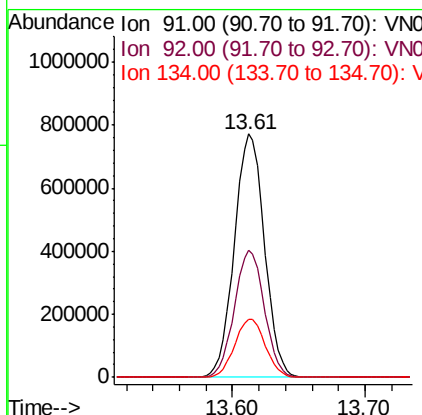
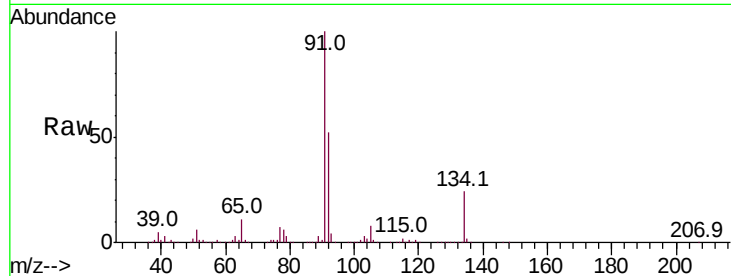
#89
n-Butylbenzene
Concen: 47.300 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.8
134	24.3	12.2	36.4

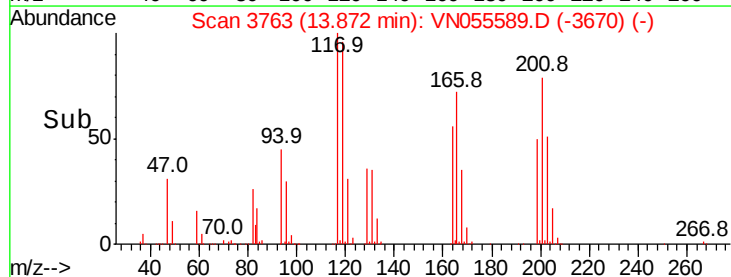
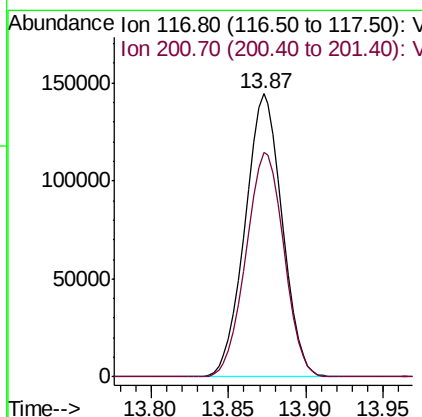
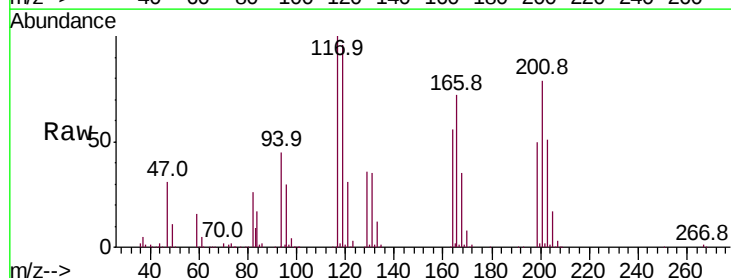
Manual Integrations
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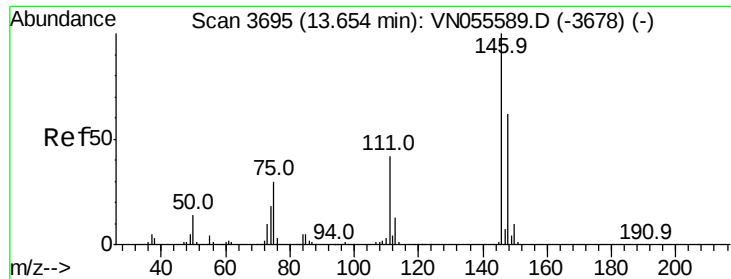
MMDadoda
5/16/2019 1:31:49 PM



#90
Hexachloroethane
Concen: 44.147 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.2	40.6	121.8





#91

1,2-Dichlorobenzene

Concen: 48.248 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

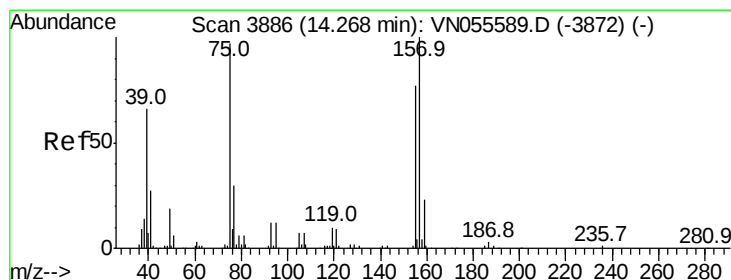
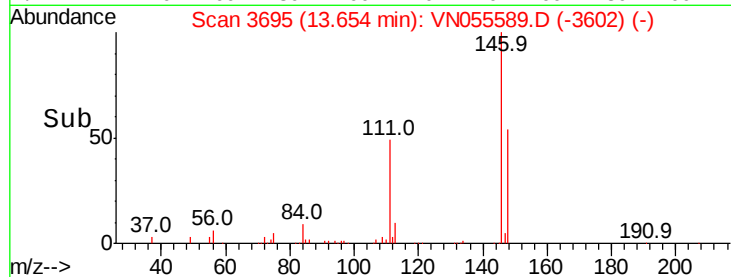
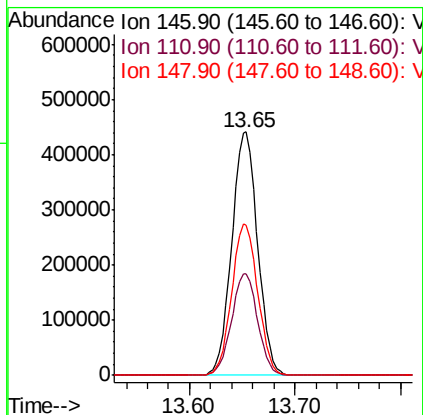
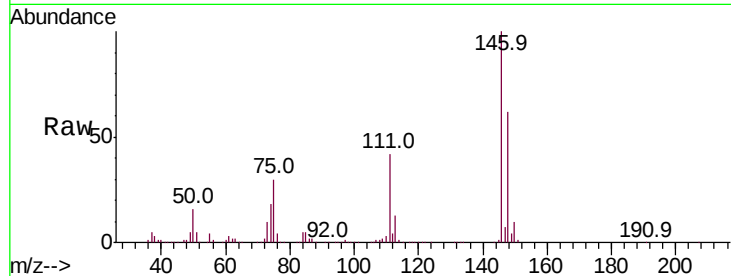
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	746557
Ion Ratio	Lower	Upper	
146	100		
111	42.0	21.0	63.0
148	62.6	31.3	93.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 44.434 ug/l

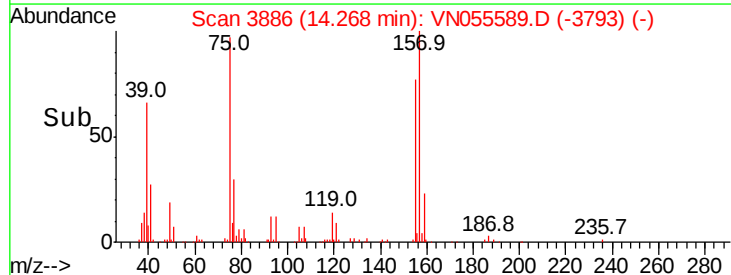
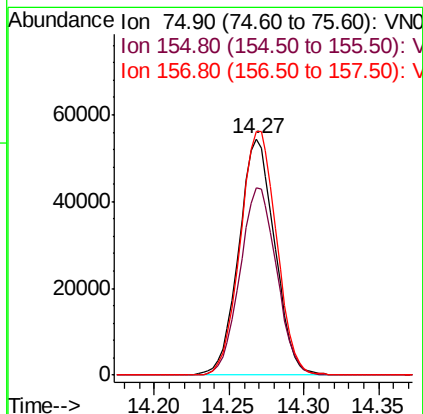
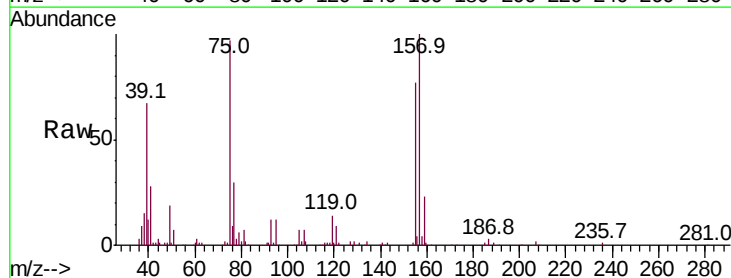
RT: 14.27 min Scan# 3886

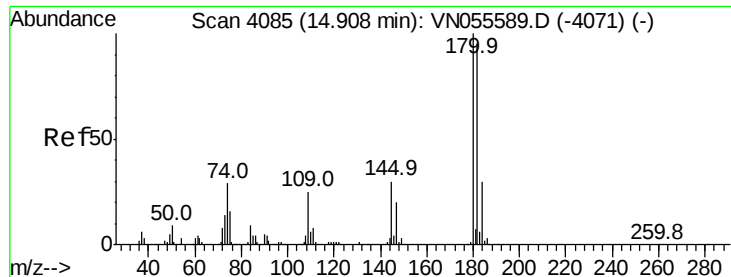
Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Tgt Ion:	75	Resp:	91034
Ion Ratio	Lower	Upper	
75	100		
155	80.7	40.4	121.1
157	104.3	52.1	156.4





#93

1,2,4-Trichlorobenzene

Concen: 56.331 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Instrument :

MSVOA_N

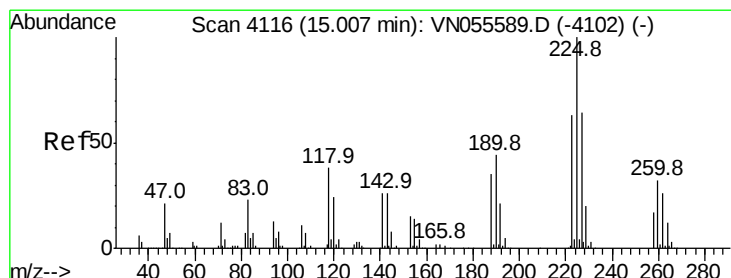
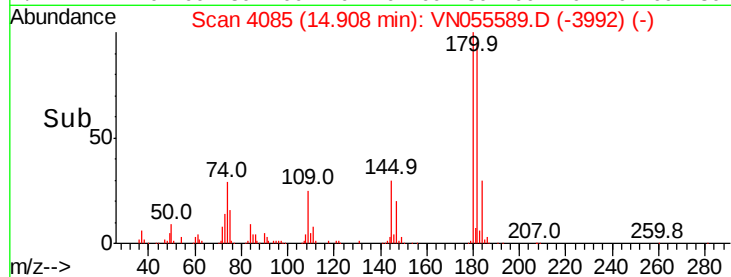
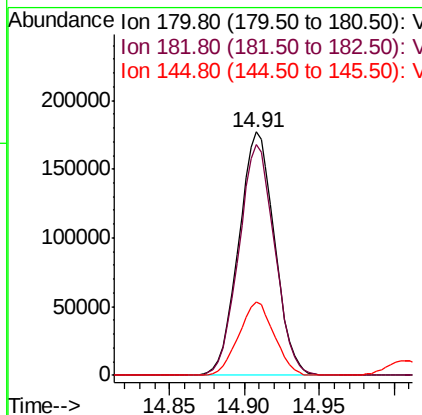
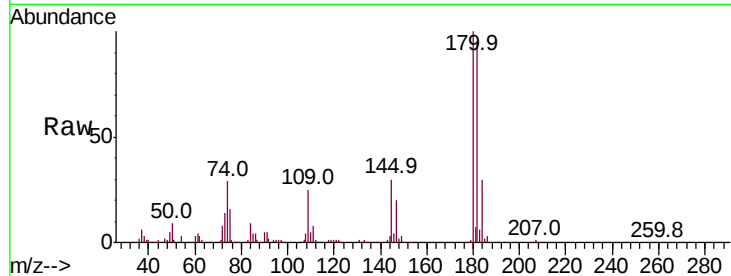
ClientSampleId :

VSTDICCC050

Tot Ion:	180	Resp:	294790
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.4	142.3
145	29.8	14.9	44.7

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#94

Hexachlorobutadiene

Concen: 40.758 ug/l

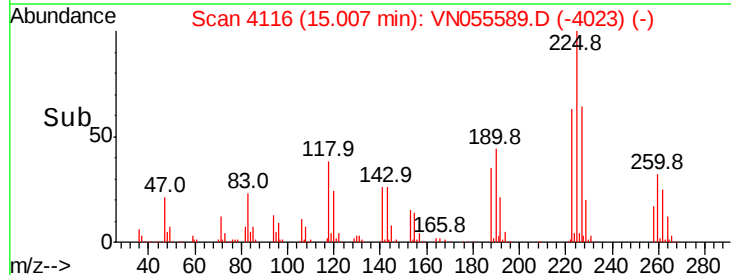
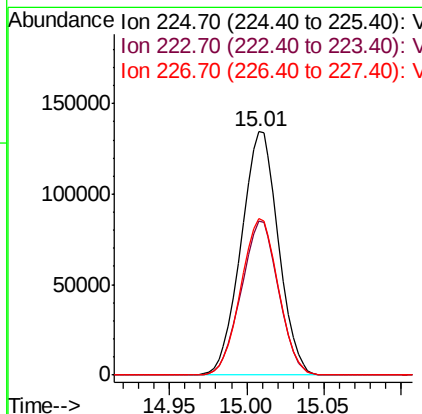
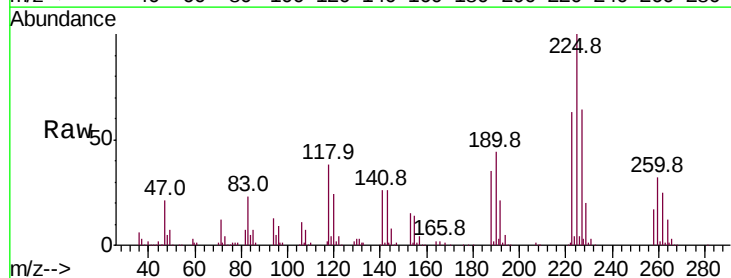
RT: 15.01 min Scan# 4116

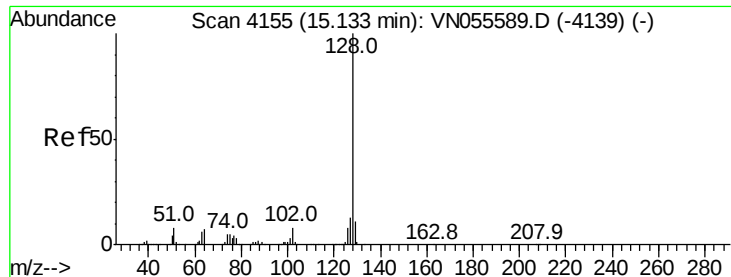
Delta R.T. 0.00 min

Lab File: VN055589.D

Acq: 14 May 2019 12:47

Tgt Ion:	225	Resp:	225893
Ion Ratio	Lower	Upper	
225	100		
223	63.3	31.6	95.0
227	64.7	32.4	97.0





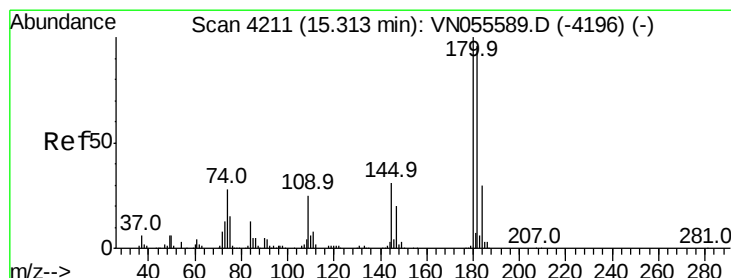
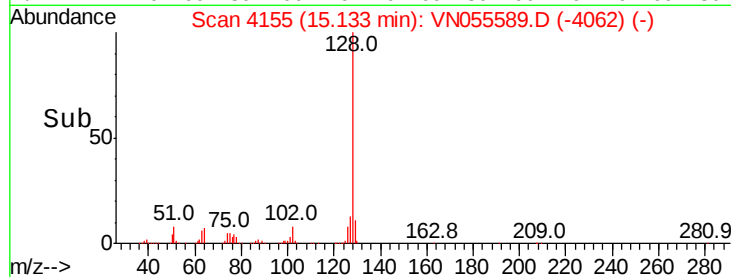
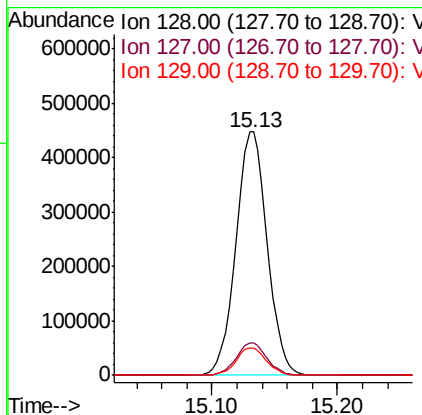
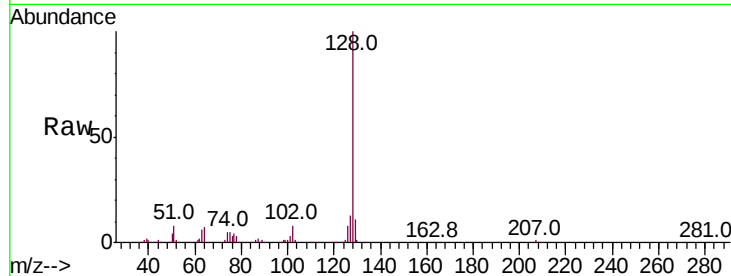
#95
Naphthalene
Concen: 50.696 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.770 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055589.D
Acq: 14 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.6
145	31.1	15.6	46.7

