

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\
 Data File : VN055587.D
 Acq On : 14 May 2019 11:57
 Operator : JC/SP
 Sample : VSTDIC010
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 1:27:49 PM

Quant Time: May 15 07:06:20 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	745181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1260710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1065123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	360874	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	108448	9.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.48%	
35) Dibromofluoromethane	7.59	113	87460	10.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.48%	
50) Toluene-d8	10.09	98	324367	10.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.48%	
62) 4-Bromofluorobenzene	12.40	95	98594	9.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.64%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	75427	9.914	ug/l 100
3) Chloromethane	2.06	50	118280	9.663	ug/l 99
4) Vinyl Chloride	2.18	62	114191	9.811	ug/l 98
5) Bromomethane	2.55	94	69118	10.742	ug/l 95
6) Chloroethane	2.70	64	71112	10.395	ug/l 96
7) Trichlorofluoromethane	3.02	101	128852	10.081	ug/l 98
8) Diethyl Ether	3.41	74	56112	9.776	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	80310	9.871	ug/l 98
10) Methyl Iodide	3.94	142	99706	9.117	ug/l 99
11) Tert butyl alcohol	4.81	59	68090	42.808	ug/l 99
12) 1,1-Dichloroethene	3.73	96	81391	9.974	ug/l 99
13) Acrolein	3.60	56	65945	57.569	ug/l 99
14) Allyl chloride	4.32	41	155895	9.448	ug/l 98
15) Acrylonitrile	4.99	53	222205	44.268	ug/l 98
16) Acetone	3.82	43	265905	51.828	ug/l 100
17) Carbon Disulfide	4.05	76	224300	10.012	ug/l 98
18) Methyl Acetate	4.33	43	97416	7.771	ug/l 99
19) Methyl tert-butyl Ether	5.05	73	254451	9.493	ug/l 97
20) Methylene Chloride	4.55	84	99650	9.428	ug/l 98
21) trans-1,2-Dichloroethene	5.04	96	88945	10.038	ug/l 98
22) Diisopropyl ether	5.95	45	318229	9.505	ug/l 95
23) Vinyl Acetate	5.90	43	1149837	44.626	ug/l 99
24) 1,1-Dichloroethane	5.85	63	176585	9.692	ug/l 99
25) 2-Butanone	6.84	43	320734	45.905	ug/l 98
26) 2,2-Dichloropropane	6.82	77	112487	9.917	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	100764	9.892	ug/l 99
28) Bromochloromethane	7.19	49	88678	9.514	ug/l 98
29) Tetrahydrofuran	7.22	42	197180	42.652	ug/l 98
30) Chloroform	7.37	83	165250	9.823	ug/l 99
31) Cyclohexane	7.65	56	176706	9.796	ug/l 94
32) 1,1,1-Trichloroethane	7.57	97	125857	9.791	ug/l 99
36) 1,1-Dichloropropene	7.79	75	121530	9.837	ug/l 98
37) Ethyl Acetate	6.93	43	113172	8.565	ug/l 97
38) Carbon Tetrachloride	7.77	117	105314	10.066	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	146983	9.764	ug/l	97
40) Benzene	8.04	78	382309	9.982	ug/l	98
41) Methacrylonitrile	7.17	41	54460	8.903	ug/l	94
42) 1,2-Dichloroethane	8.12	62	131169	9.784	ug/l	99
43) Isopropyl Acetate	8.17	43	181548	9.072	ug/l	99
44) Trichloroethene	8.84	130	93057	10.141	ug/l	98
45) 1,2-Dichloropropane	9.12	63	107093	9.794	ug/l	99
46) Dibromomethane	9.21	93	62520	9.872	ug/l	99
47) Bromodichloromethane	9.40	83	117287	9.640	ug/l	94
48) Methyl methacrylate	9.20	41	85723	8.864	ug/l	98
49) 1,4-Dioxane	9.20	88	33017	176.314	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	564616	43.104	ug/l	100
52) Toluene	10.16	92	220759	10.070	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	108513	9.330	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	134225	9.627	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	87366	9.858	ug/l	98
56) Ethyl methacrylate	10.43	69	120543	9.238	ug/l	98
57) 1,3-Dichloropropane	10.71	76	151472	9.660	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	137080	38.119	ug/l	99
59) 2-Hexanone	10.75	43	396753	43.255	ug/l	100
60) Dibromochloromethane	10.90	129	78557	9.742	ug/l	98
61) 1,2-Dibromoethane	11.00	107	81692	9.621	ug/l	98
64) Tetrachloroethene	10.63	164	88122	10.119	ug/l	98
65) Chlorobenzene	11.43	112	221283	10.118	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	76412	10.117	ug/l	97
67) Ethyl Benzene	11.51	91	399583	9.779	ug/l	100
68) m/p-Xylenes	11.62	106	289030	19.655	ug/l	98
69) o-Xylene	11.95	106	140544	9.738	ug/l	99
70) Styrene	11.96	104	223557	9.692	ug/l	99
71) Bromoform	12.13	173	48818	9.651	ug/l #	99
73) Isopropylbenzene	12.25	105	378079	10.721	ug/l	99
74) N-amyl acetate	12.07	43	118950	8.894	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	118810	10.393	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	103480m	10.714	ug/l	
77) Bromobenzene	12.53	156	84940	10.685	ug/l	98
78) n-propylbenzene	12.59	91	393828	10.232	ug/l	100
79) 2-Chlorotoluene	12.67	91	246174	10.278	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	292196	10.196	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	26265	10.078	ug/l	96
82) 4-Chlorotoluene	12.77	91	229142	10.117	ug/l	100
83) tert-Butylbenzene	12.99	119	256757	10.464	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	269195	10.245	ug/l	99
85) sec-Butylbenzene	13.17	105	330831	10.158	ug/l	99
86) p-Isopropyltoluene	13.29	119	261593	9.871	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	126479	10.334	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	118547	9.803	ug/l	97
89) n-Butylbenzene	13.61	91	176800	8.693	ug/l	99
90) Hexachloroethane	13.87	117	45080	10.414	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	125188	10.221	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14278	8.805	ug/l	96

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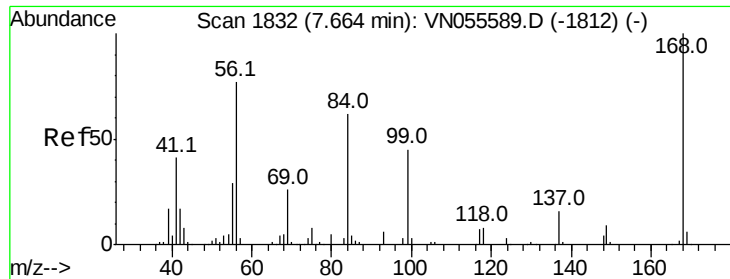
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	32499	7.846	ug/l	98
94) Hexachlorobutadiene	15.01	225	41221	9.396	ug/l	98
95) Naphthalene	15.13	128	96411	7.965	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	37680	7.759	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

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Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 745181

Ion Ratio Lower Upper

168 100

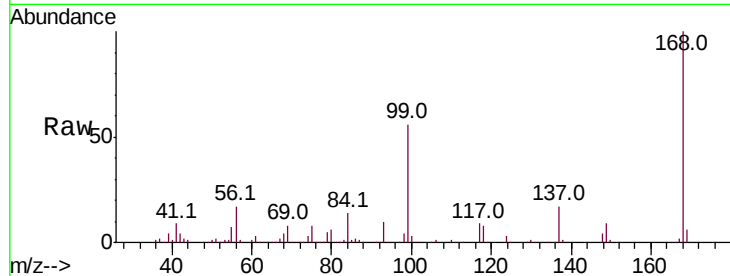
99 55.8 44.6 66.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

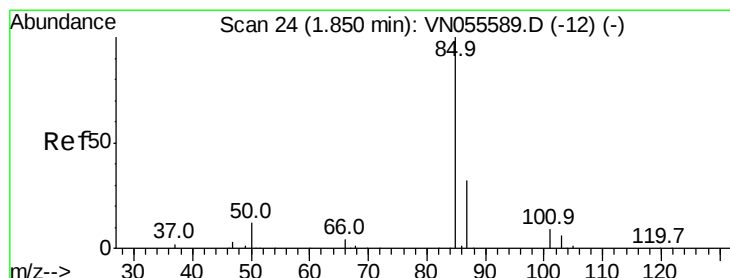
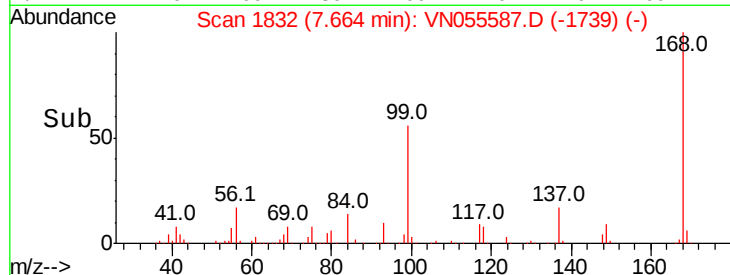
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 9.914 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055587.D

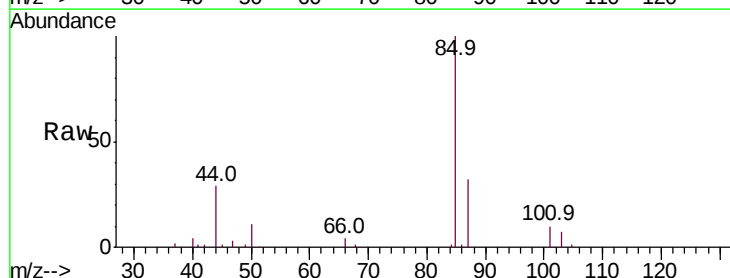
Acq: 14 May 2019 11:57

Tgt Ion: 85 Resp: 75427

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

50000

40000

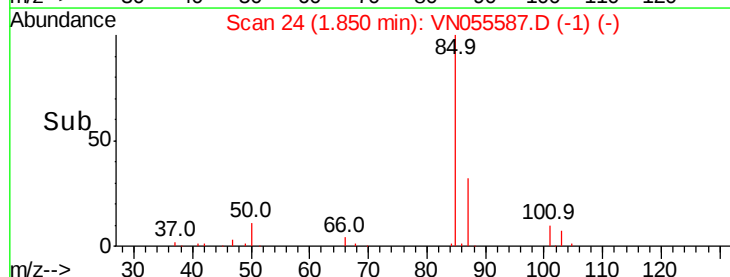
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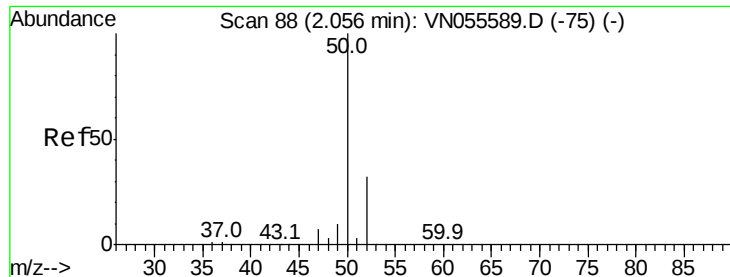
20000

10000

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Time-->





#3

Chloromethane

Concen: 9.663 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 118280

Ion Ratio Lower Upper

50 100

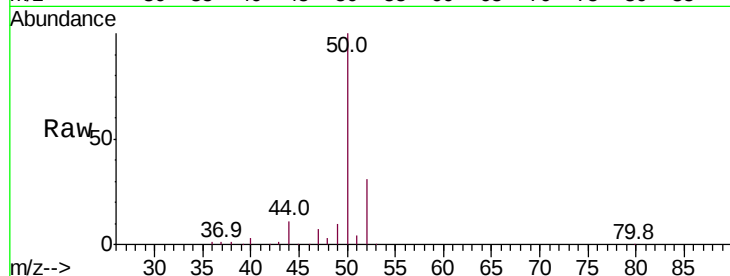
52 31.3 25.5 38.3

Manual Integrations

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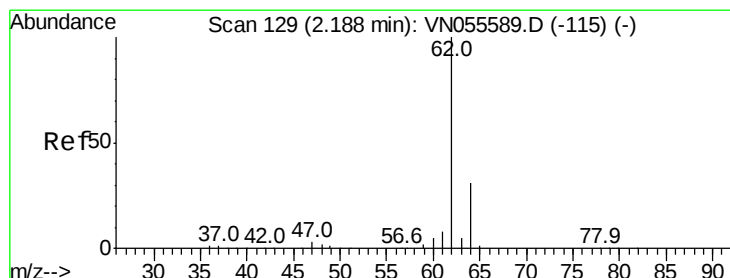
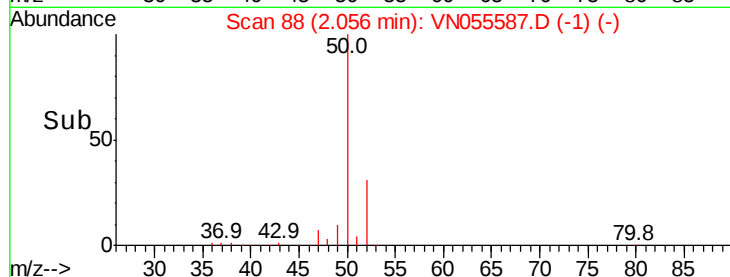
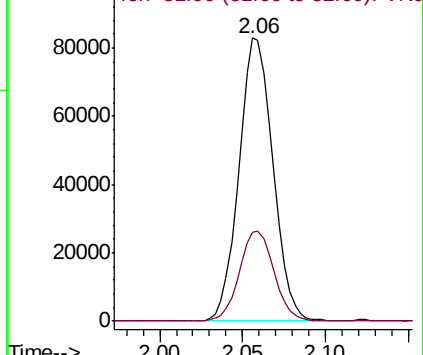
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 9.811 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055587.D

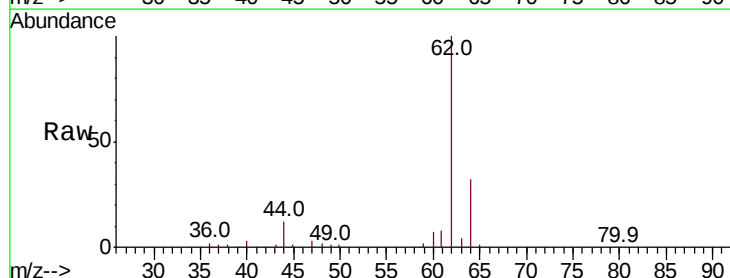
Acq: 14 May 2019 11:57

Tgt Ion: 62 Resp: 114191

Ion Ratio Lower Upper

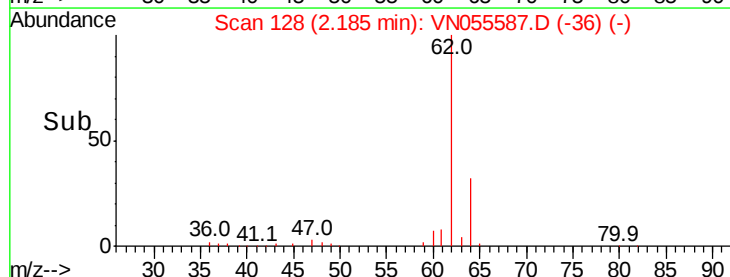
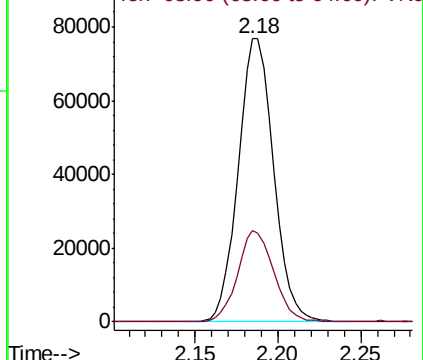
62 100

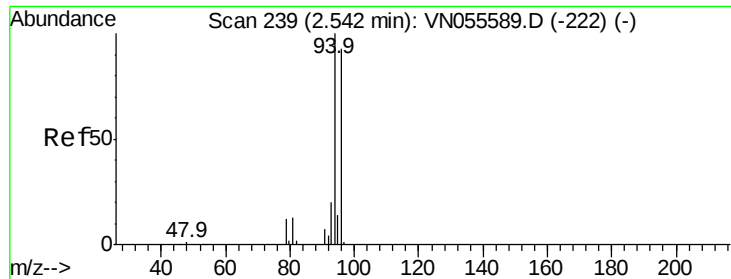
64 32.3 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 10.742 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 69118

Ion Ratio Lower Upper

94 100

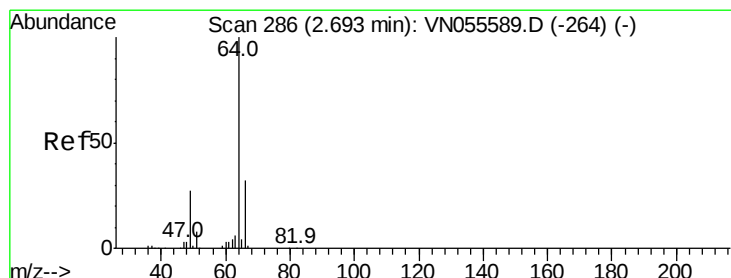
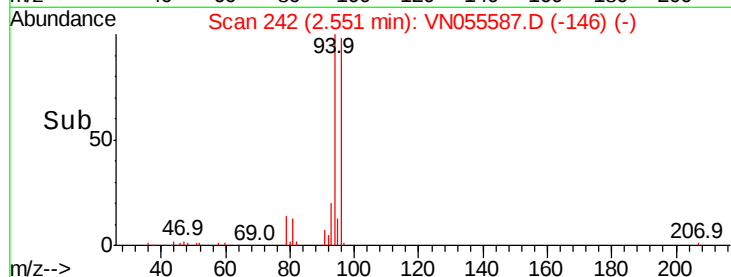
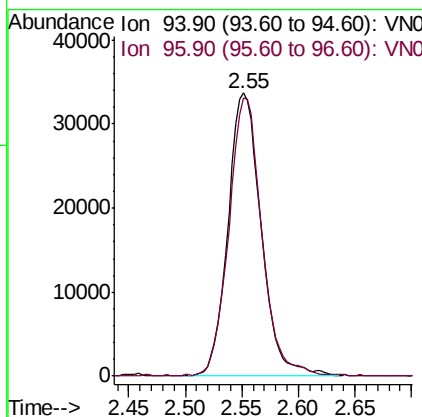
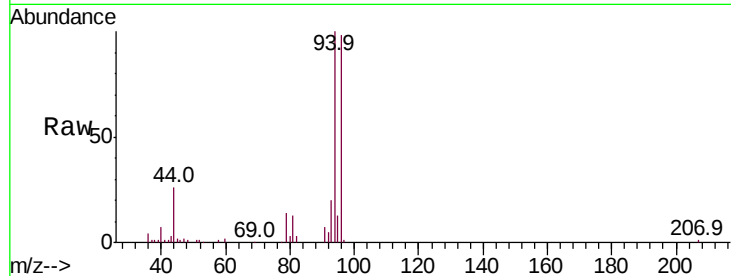
96 97.6 74.0 111.0

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#6

Chloroethane

Concen: 10.395 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.00 min

Lab File: VN055587.D

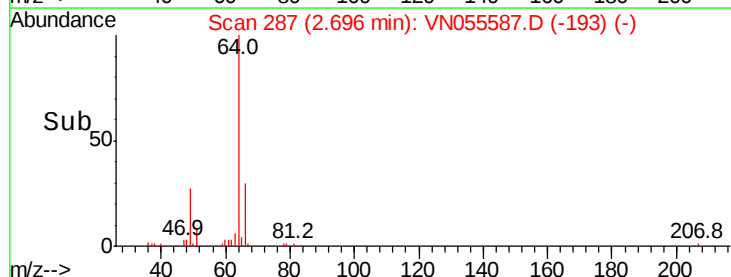
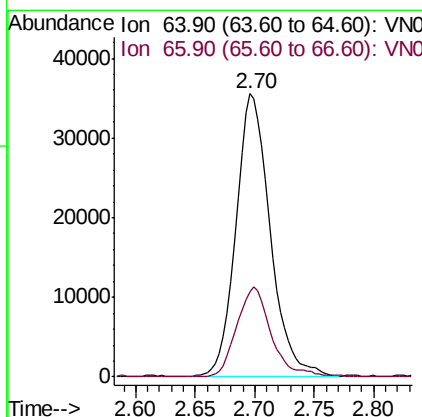
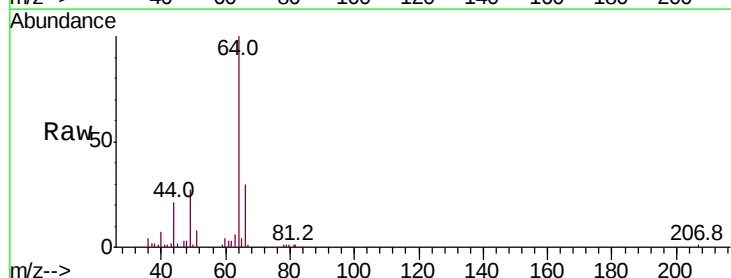
Acq: 14 May 2019 11:57

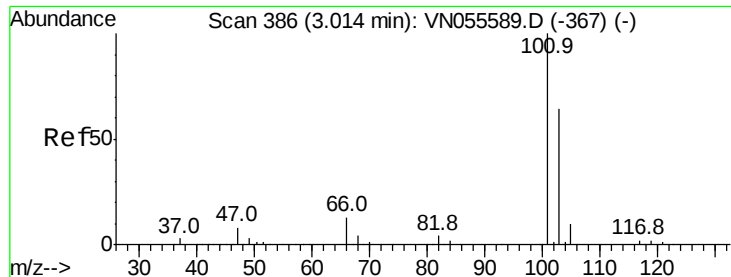
Tgt Ion: 64 Resp: 71112

Ion Ratio Lower Upper

64 100

66 30.0 25.8 38.6





#7

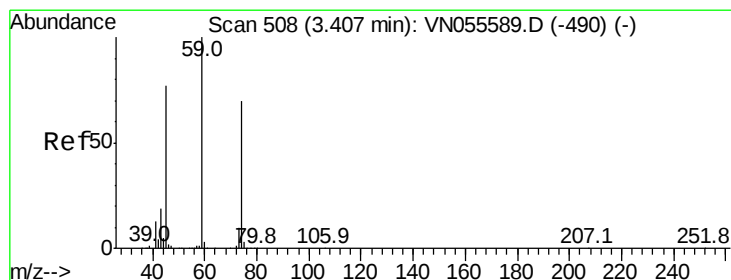
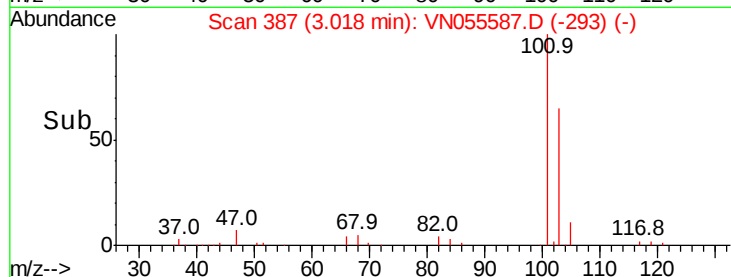
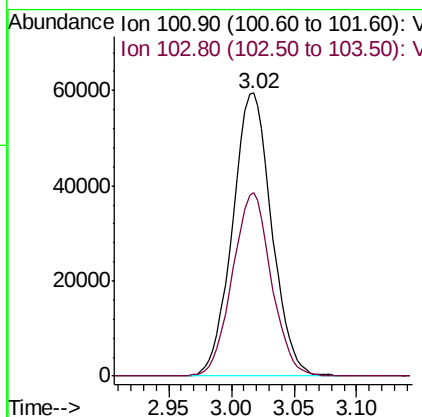
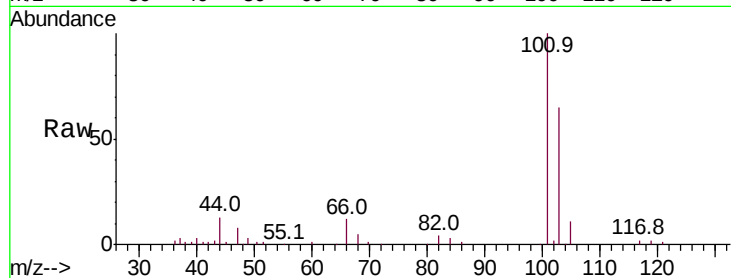
Trichlorofluoromethane
 Concen: 10.081 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.0	76.6

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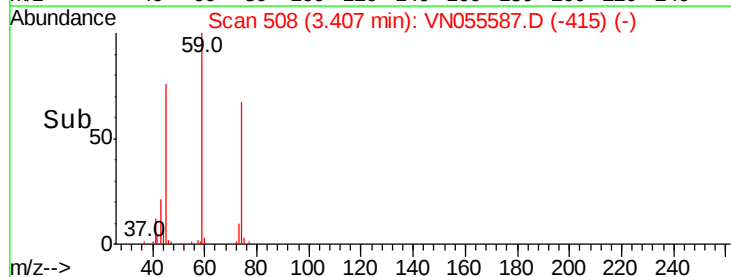
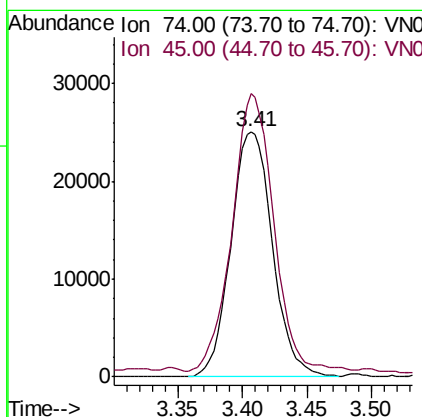
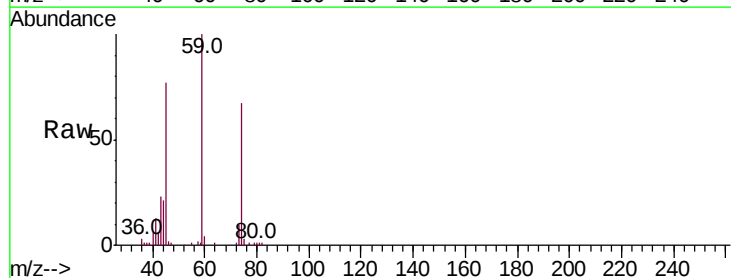
MMDadoda
 5/16/2019 1:27:49 PM

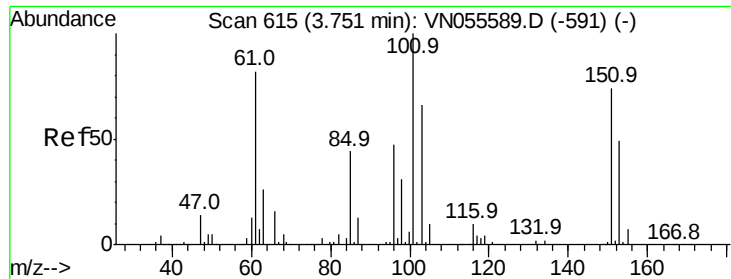


#8

Diethyl Ether
 Concen: 9.776 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.0	54.9	164.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.871 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

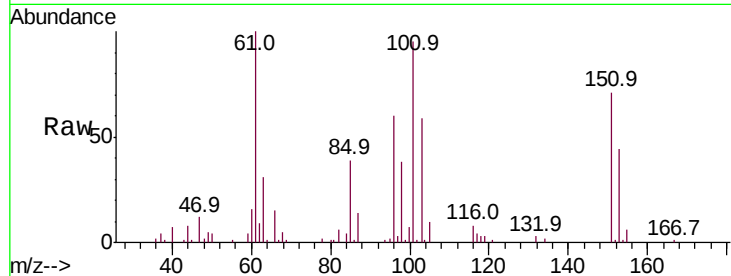
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	80310
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.2	51.2
151	77.2	60.2	90.2

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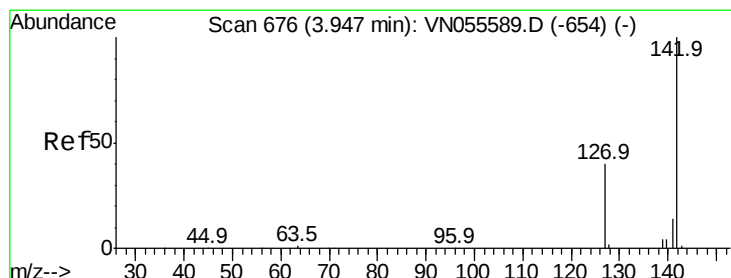
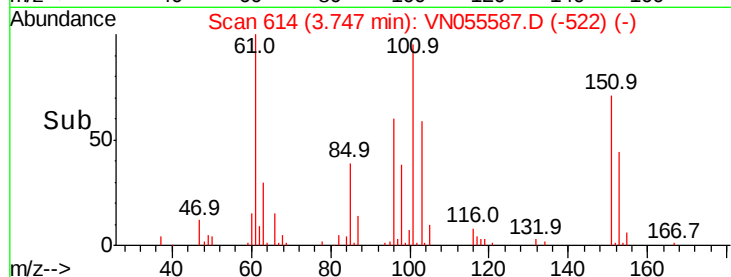
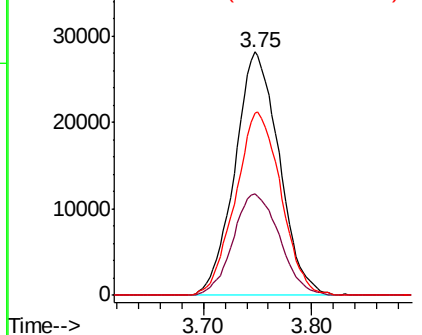
MMDadoda
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.117 ug/l

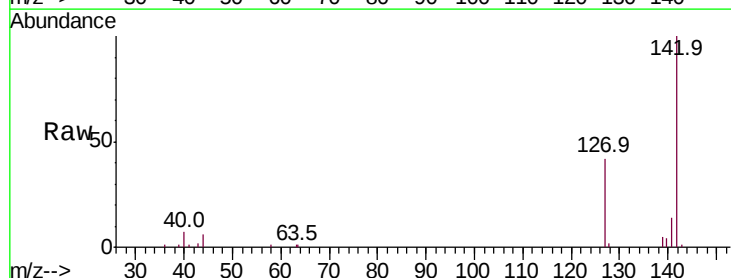
RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

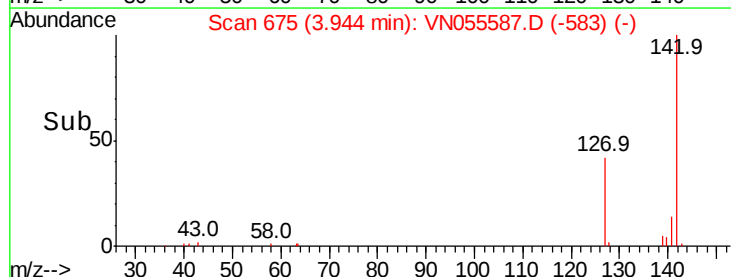
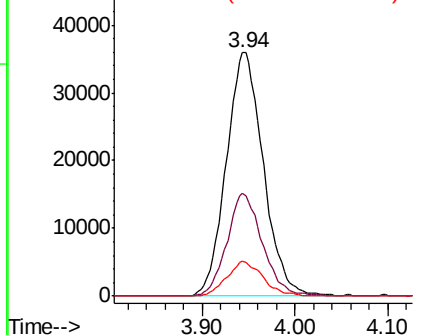
Tgt Ion:	142	Resp:	99706
Ion Ratio	Lower	Upper	
142	100		
127	40.2	32.5	48.7
141	13.9	11.2	16.8

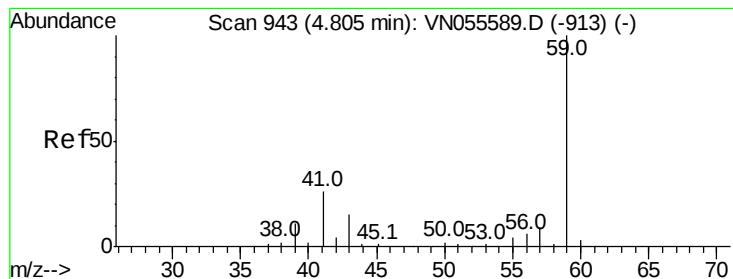


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

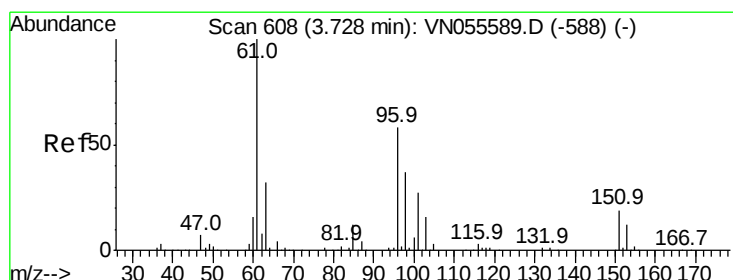
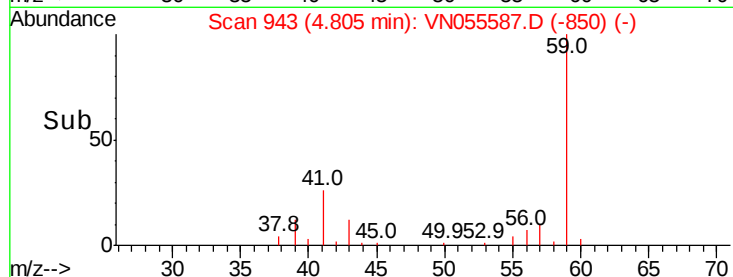
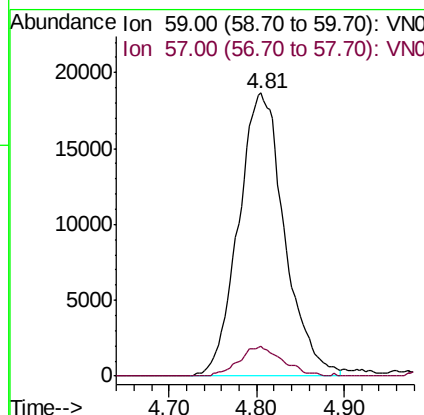
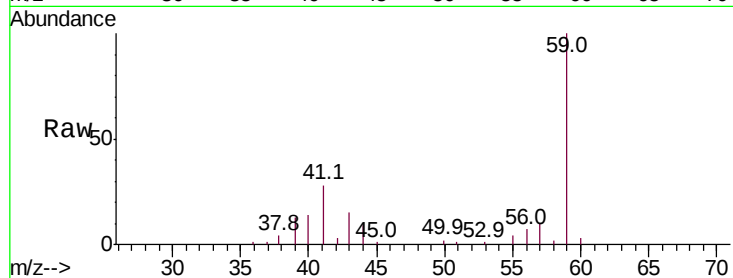
Tert butyl alcohol
 Concen: 42.808 ug/l
 RT: 4.81 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.6	11.4

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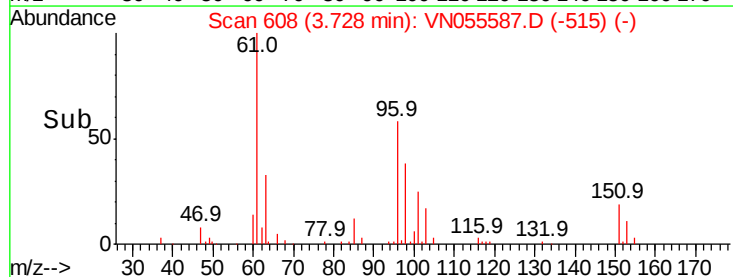
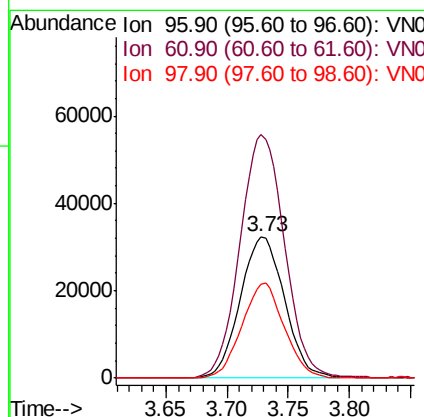
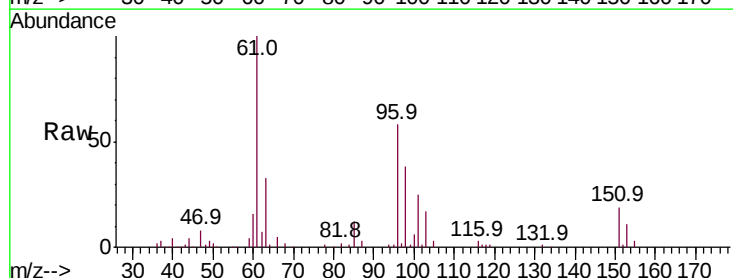
MMDadoda
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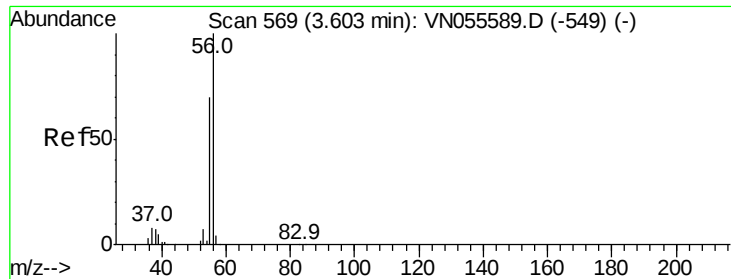


#12

1,1-Dichloroethene
 Concen: 9.974 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.1	137.5	206.3
98	66.0	50.3	75.5





#13

Acrolein

Concen: 57.569 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 65945

Ion Ratio Lower Upper

56 100

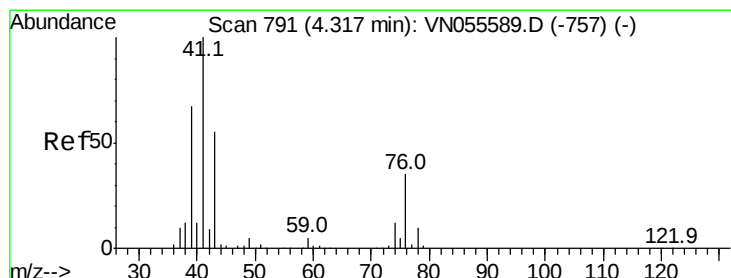
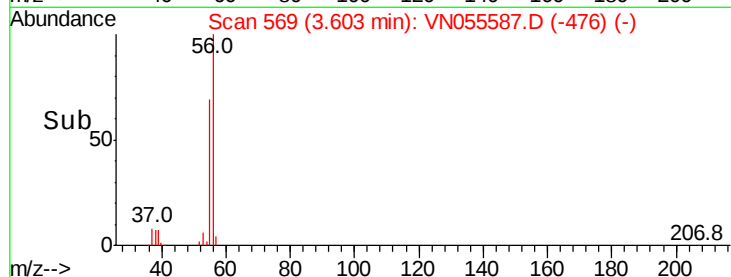
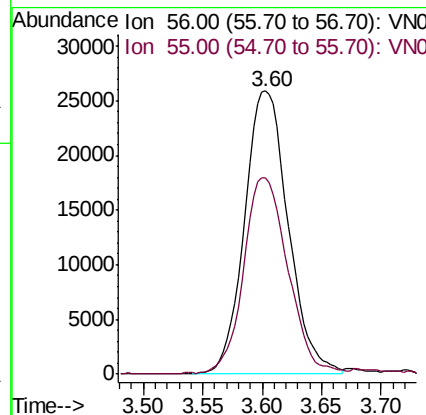
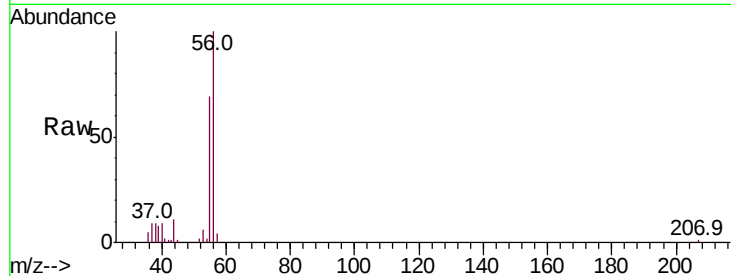
55 70.4 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 9.448 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

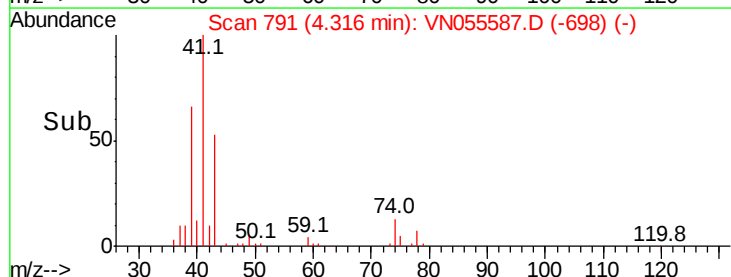
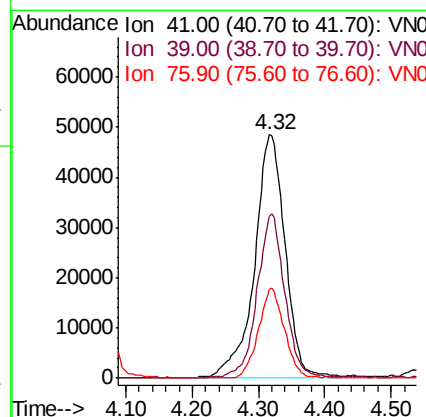
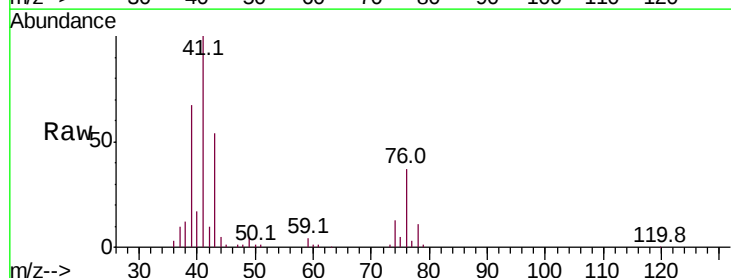
Tgt Ion: 41 Resp: 155895

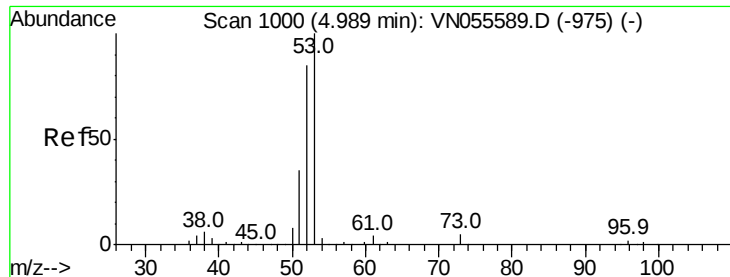
Ion Ratio Lower Upper

41 100

39 59.2 49.3 73.9

76 31.1 24.7 37.1





#15

Acrylonitrile

Concen: 44.268 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

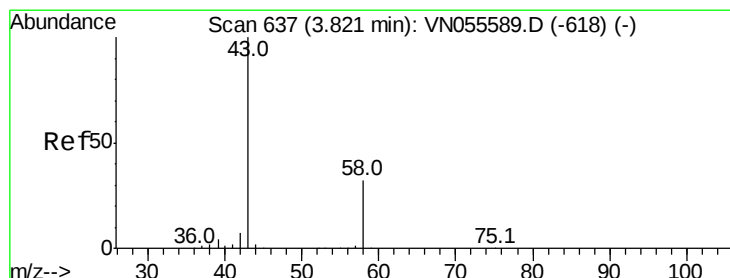
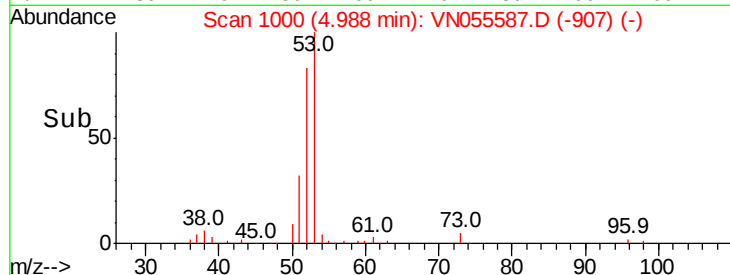
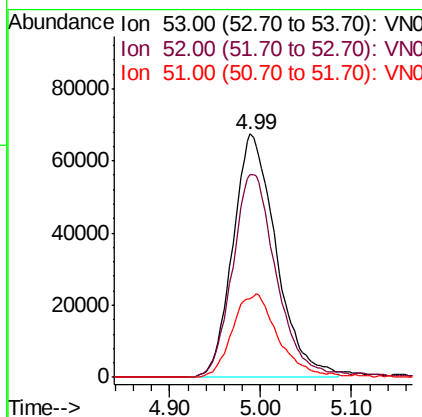
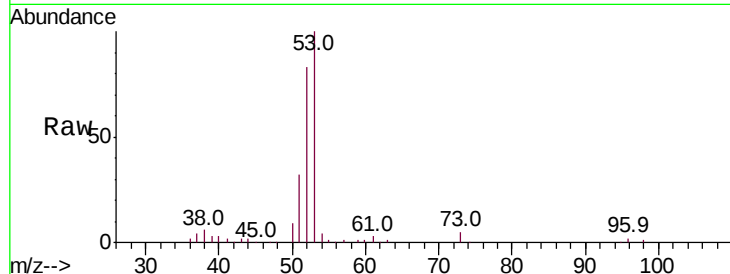
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	222205
Ion	Ratio	Lower	Upper
53	100		
52	84.0	65.6	98.4
51	35.8	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 51.828 ug/l

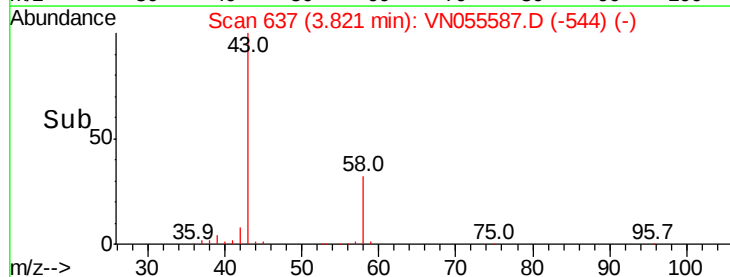
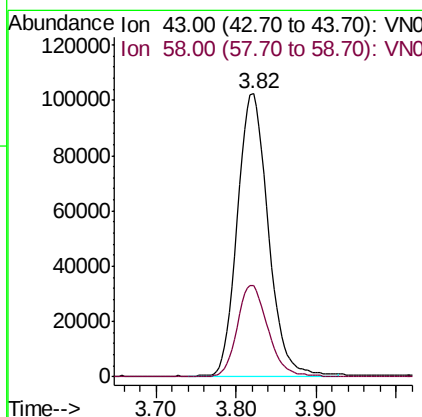
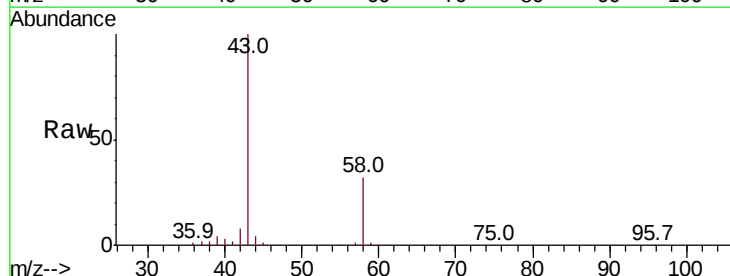
RT: 3.82 min Scan# 637

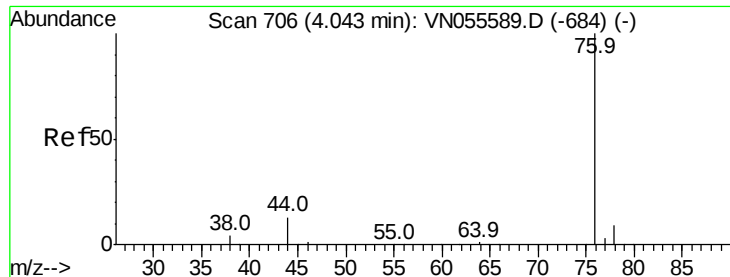
Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Tgt Ion:	43	Resp:	265905
Ion	Ratio	Lower	Upper
43	100		
58	32.3	25.7	38.5





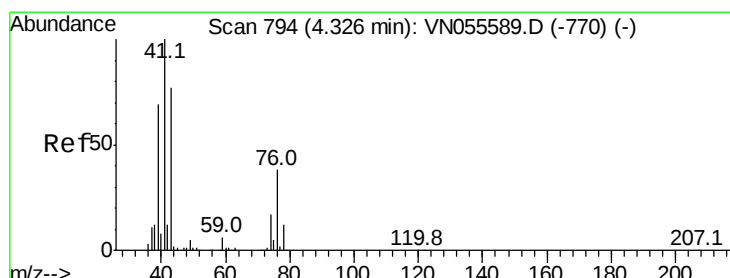
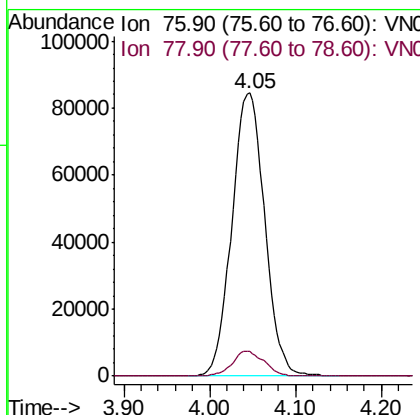
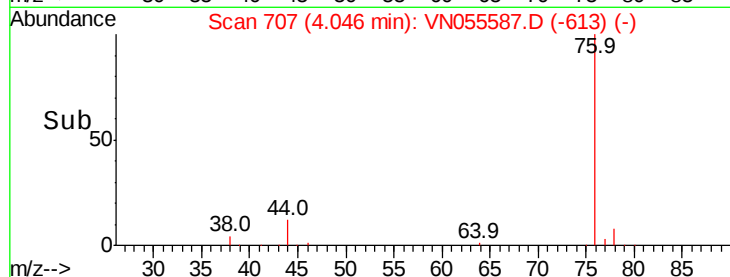
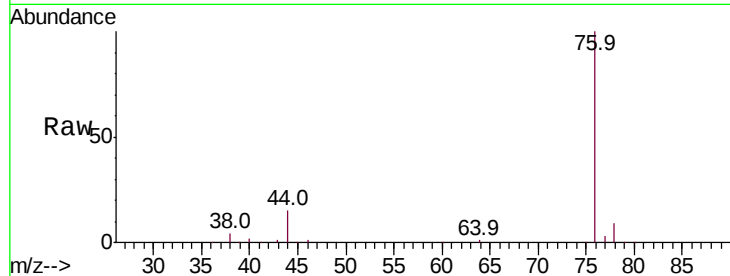
#17
Carbon Disulfide
Concen: 10.012 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.4	11.0

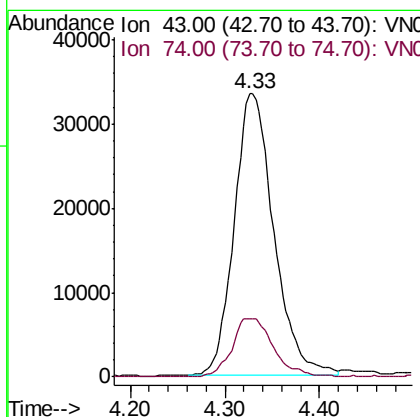
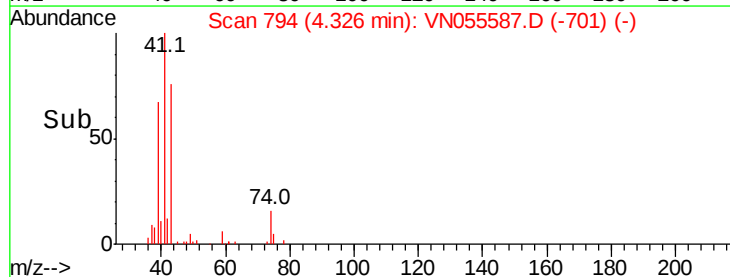
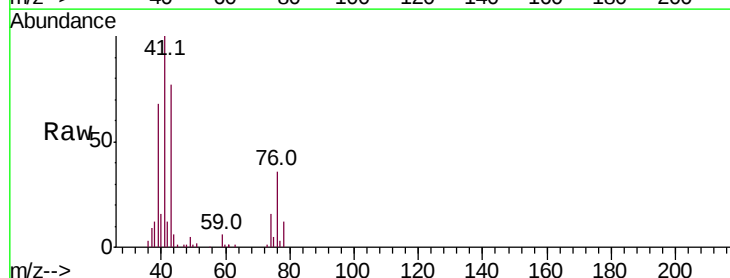
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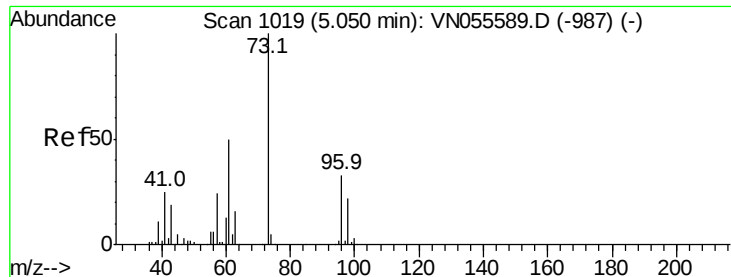
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#18
Methyl Acetate
Concen: 7.771 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	17.4	26.2





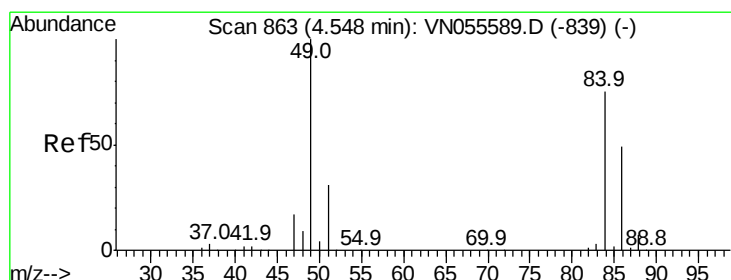
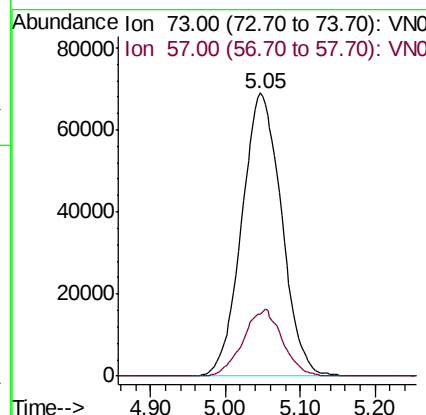
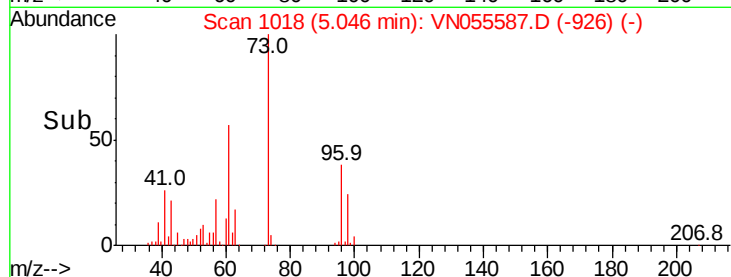
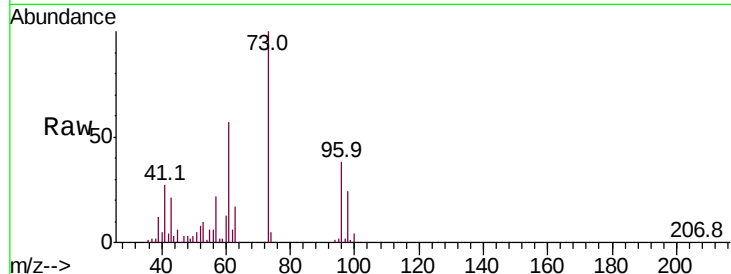
#19
Methvl tert-butvl Ether
Concen: 9.493 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 254451
Ion Ratio Lower Upper
73 100
57 22.1 18.9 28.3

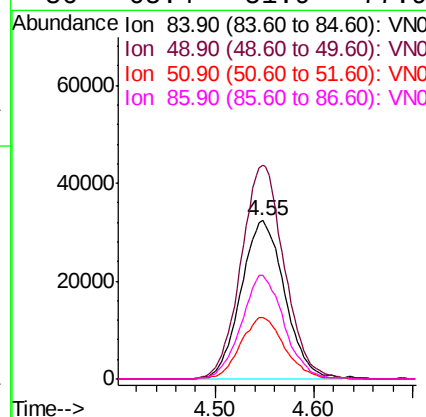
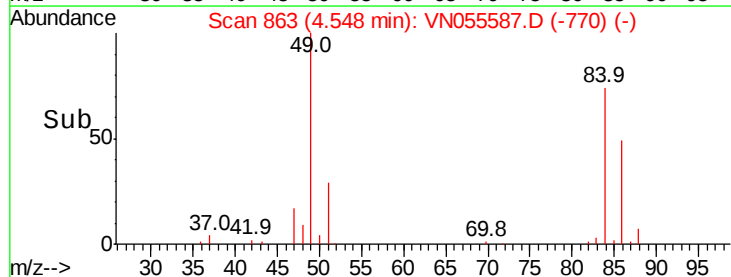
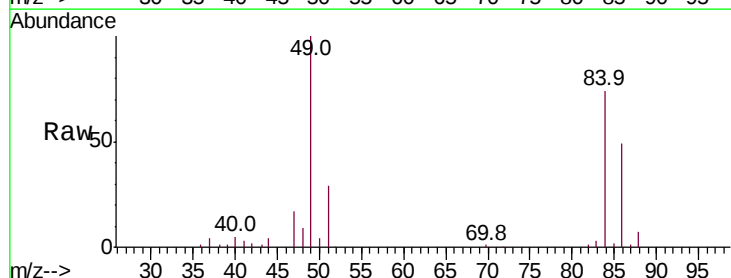
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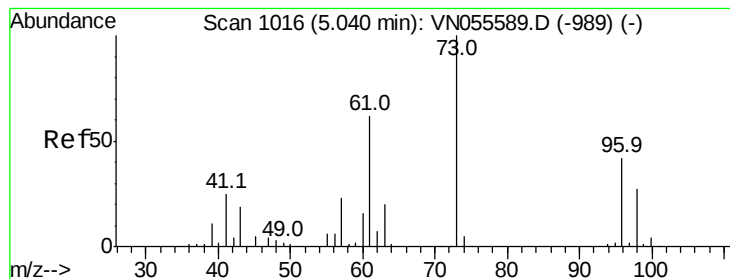
MMDadoda
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#20
Methylene Chloride
Concen: 9.428 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion: 84 Resp: 99650
Ion Ratio Lower Upper
84 100
49 134.6 106.2 159.2
51 38.7 32.7 49.1
86 65.4 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 10.038 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampled :

VSTDIC010

Tot Ion: 96 Resp: 88945

Ion Ratio Lower Upper

96 100

61 144.5 117.8 176.6

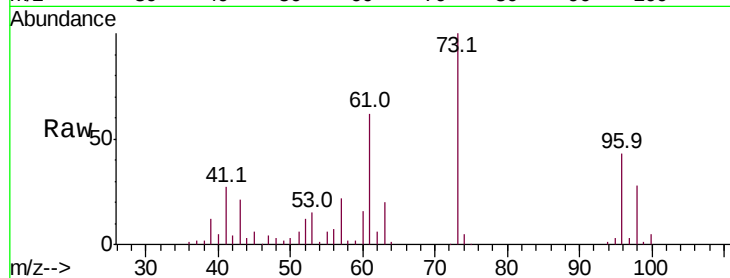
98 64.8 51.4 77.2

Manual Integrations

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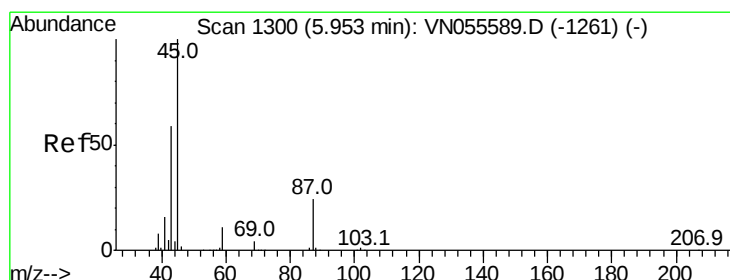
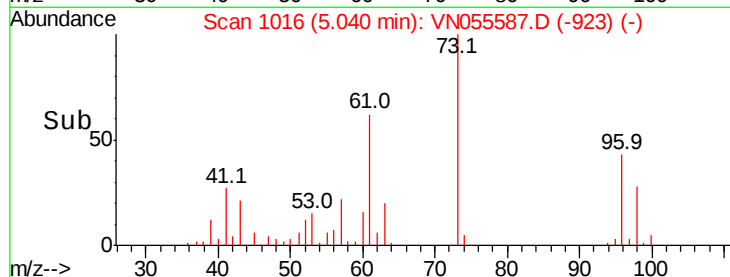
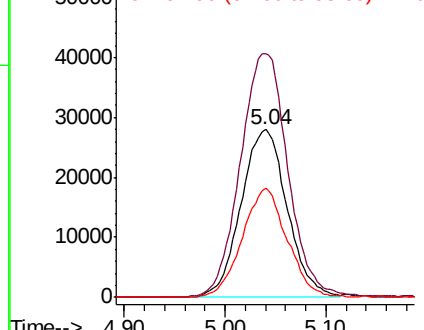


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 9.505 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Tgt Ion: 45 Resp: 318229

Ion Ratio Lower Upper

45 100

43 64.4 47.1 70.7

87 23.2 19.5 29.3

59 10.6 9.0 13.4

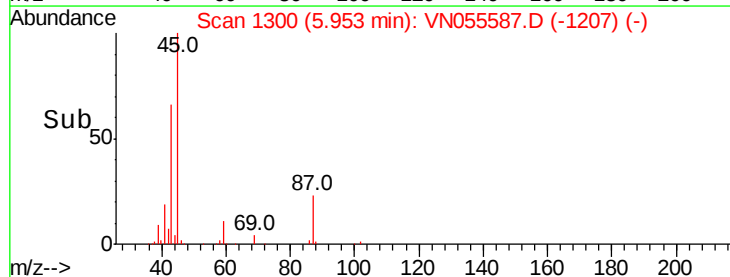
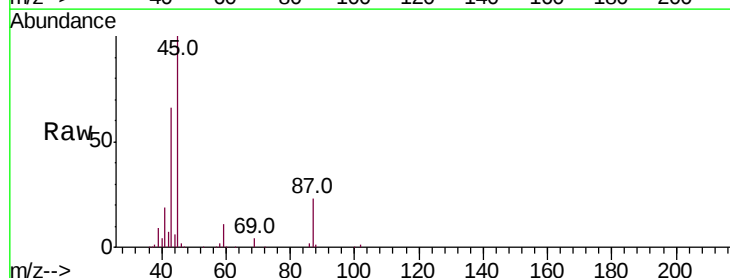
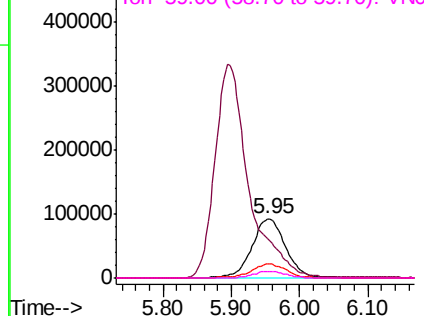
Abundance

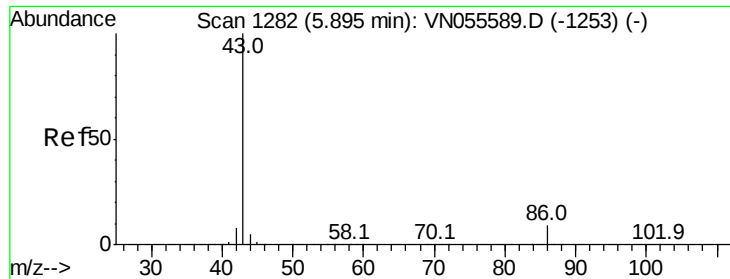
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





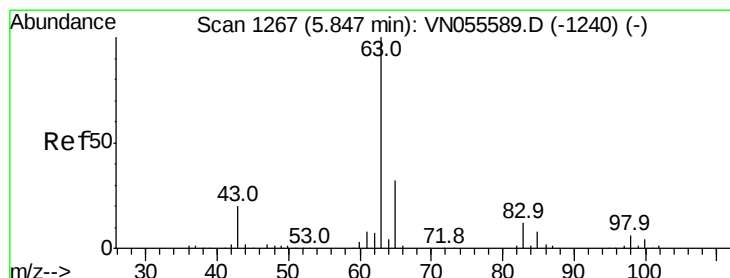
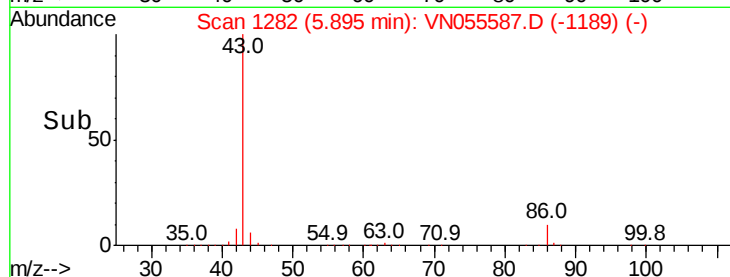
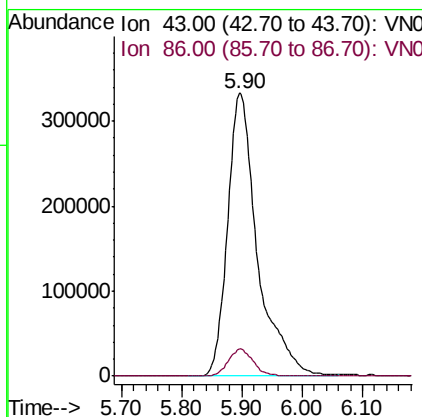
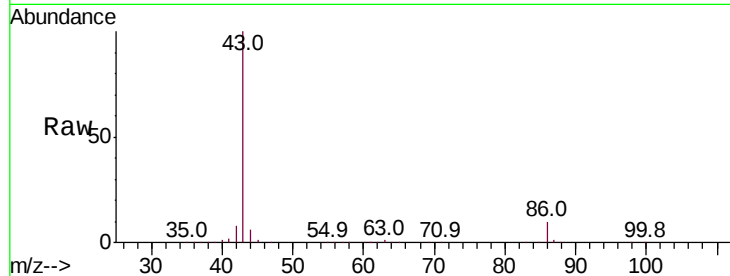
#23
 Vinyl Acetate
 Concen: 44.626 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion: 43 Resp: 1149837
 Ion Ratio Lower Upper
 43 100
 86 9.5 7.4 11.0

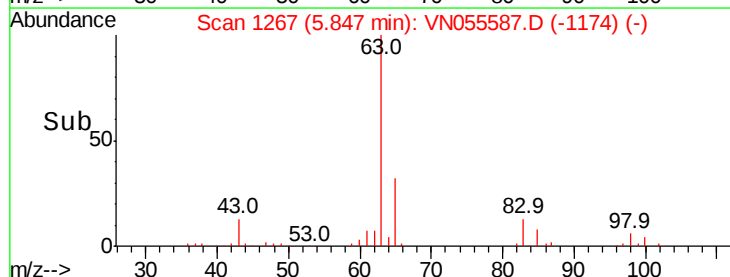
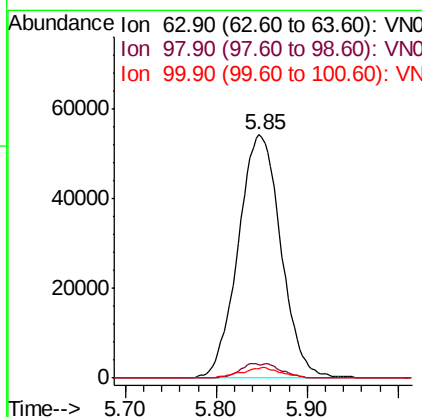
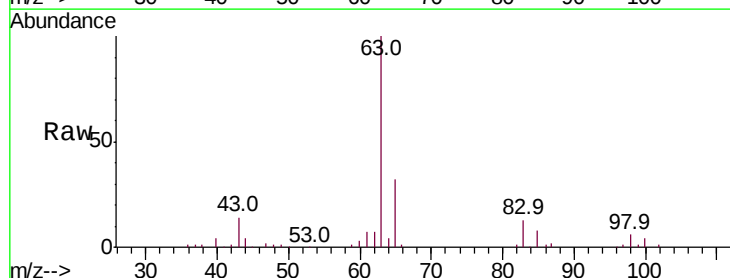
Manual Integrations
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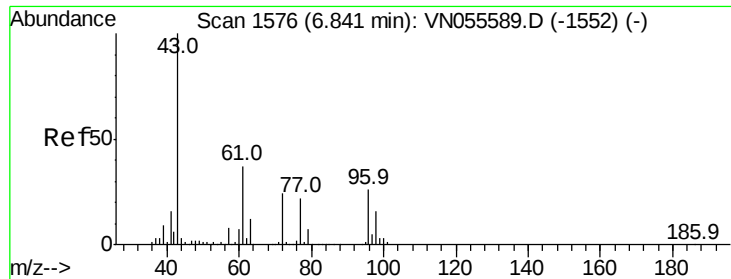
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 9.692 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Tgt Ion: 63 Resp: 176585
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.0 9.0
 100 4.0 2.1 6.3





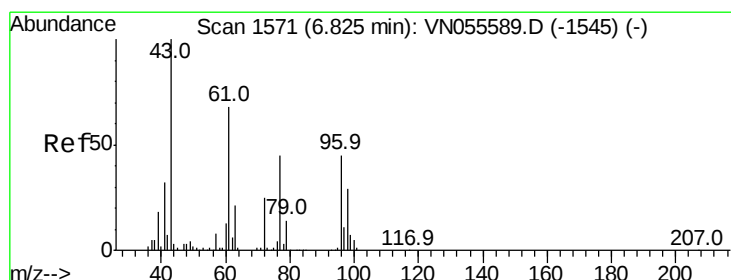
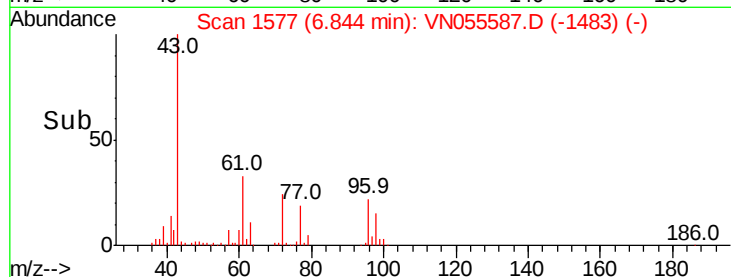
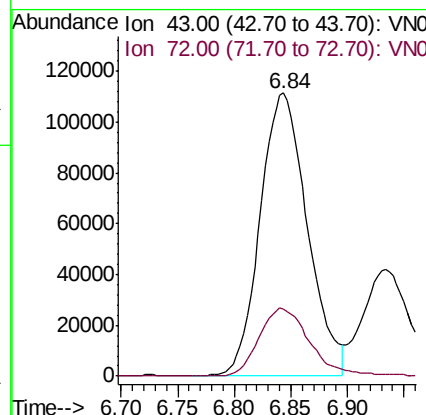
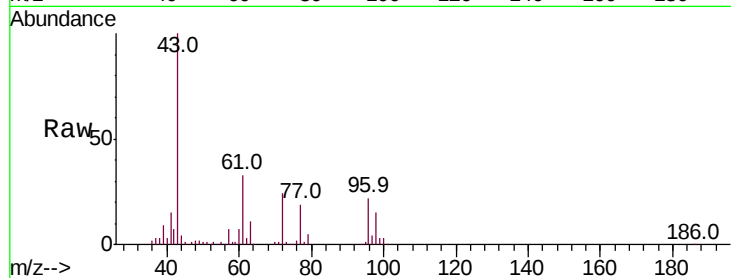
#25
2-Butanone
Concen: 45.905 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
72	23.6	19.5	29.3

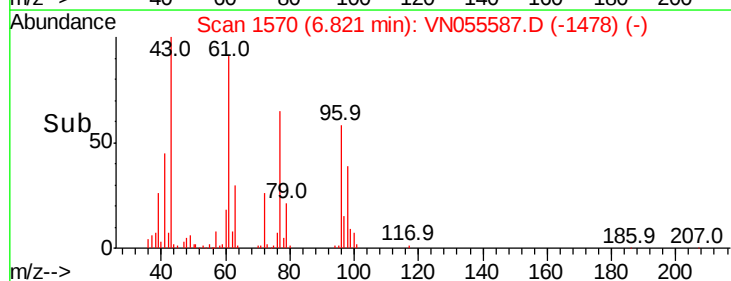
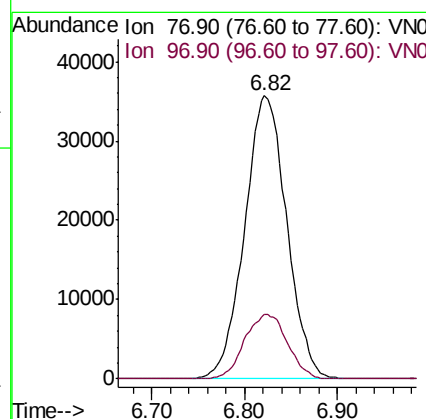
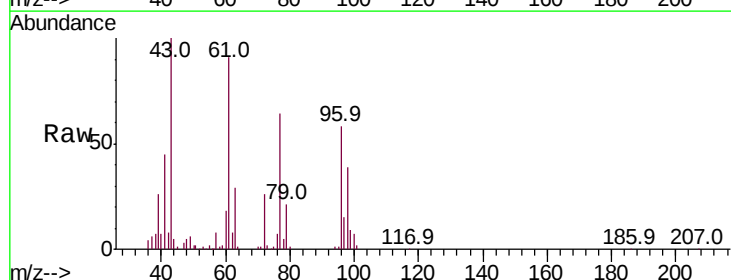
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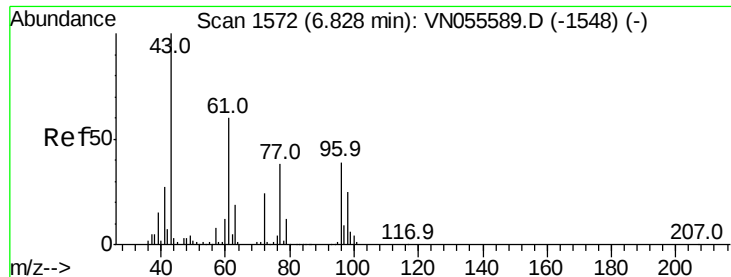
MMDadoda
5/16/2019 1:27:49 PM



#26
2,2-Dichloropropane
Concen: 9.917 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.1	11.7	35.1





#27

cis-1,2-Dichloroethene

Concen: 9.892 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

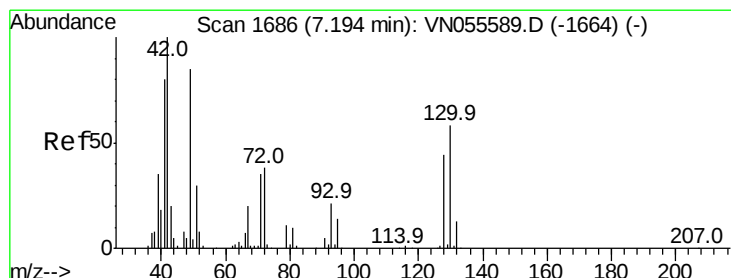
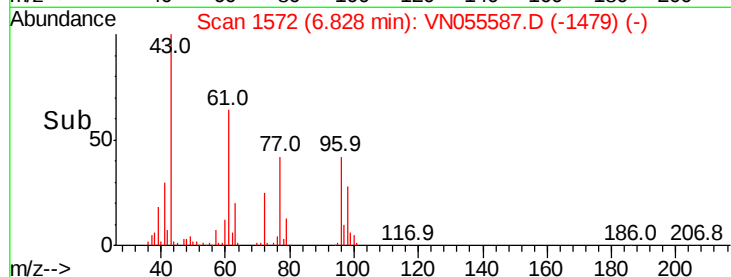
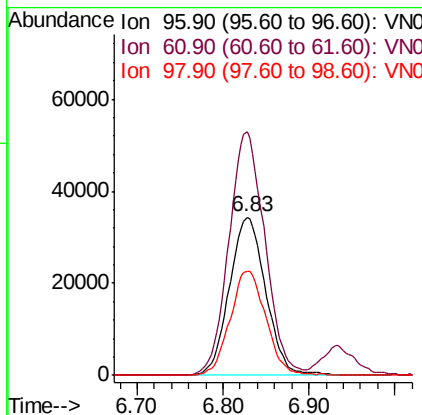
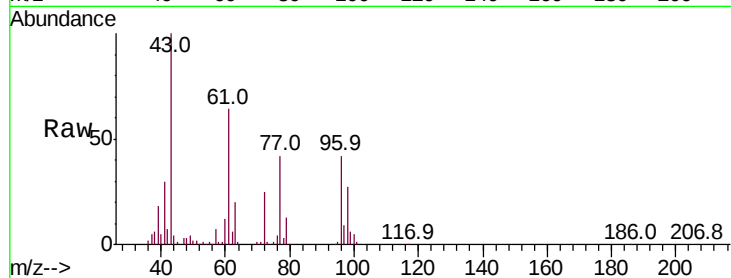
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	100764
Ion	Ratio	Lower	Upper
96	100		
61	153.0	0.0	305.0
98	65.1	0.0	128.2

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#28

Bromochloromethane

Concen: 9.514 ug/l

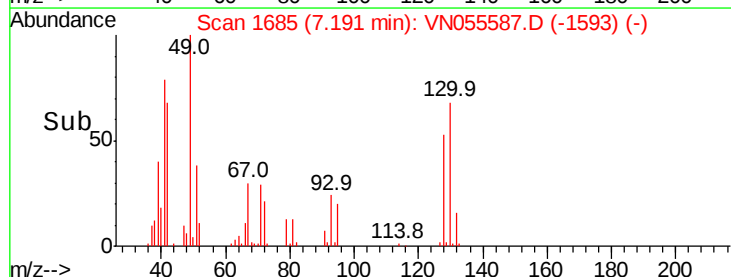
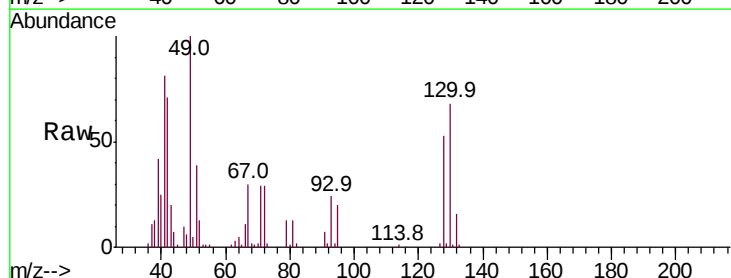
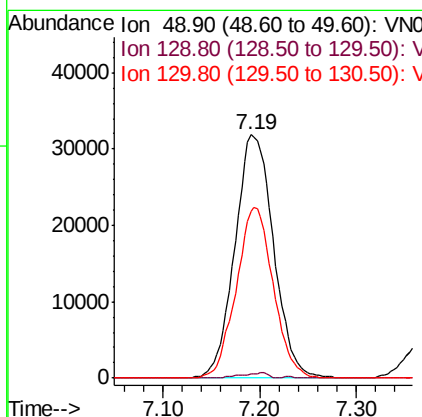
RT: 7.19 min Scan# 1685

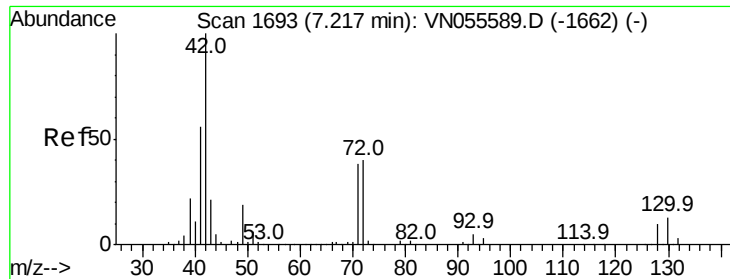
Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Tgt Ion:	49	Resp:	88678
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.6
130	66.9	52.4	78.6





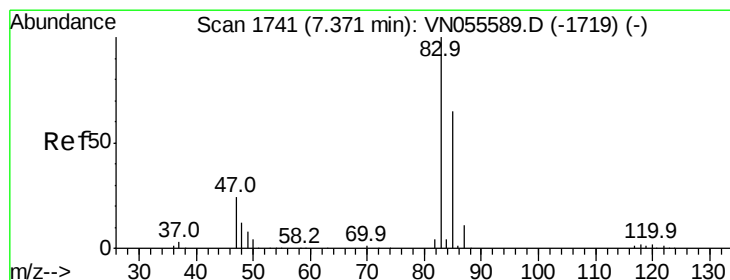
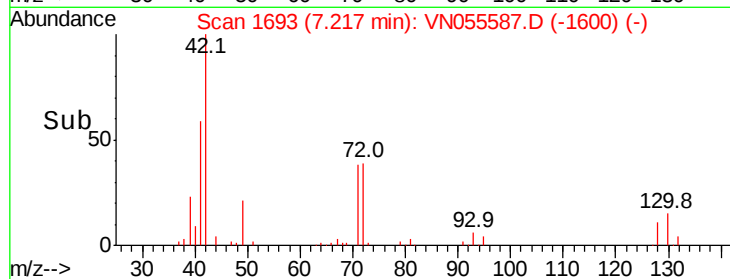
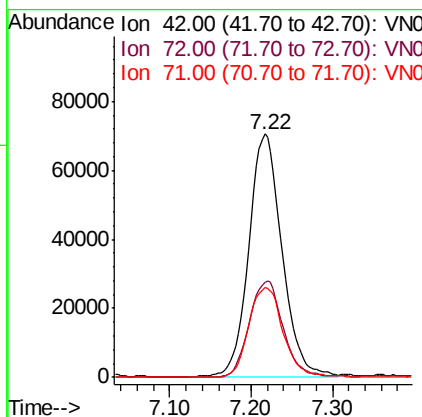
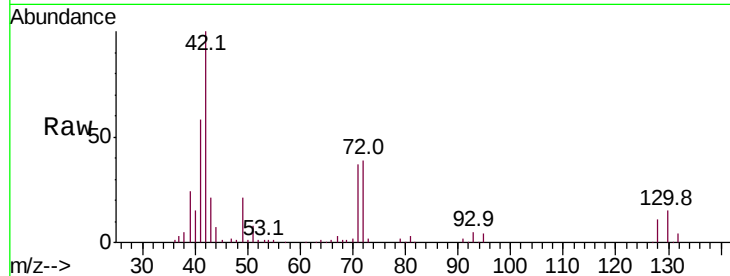
#29
Tetrahydrofuran
Concen: 42.652 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	31.4	47.2
71	38.4	29.9	44.9

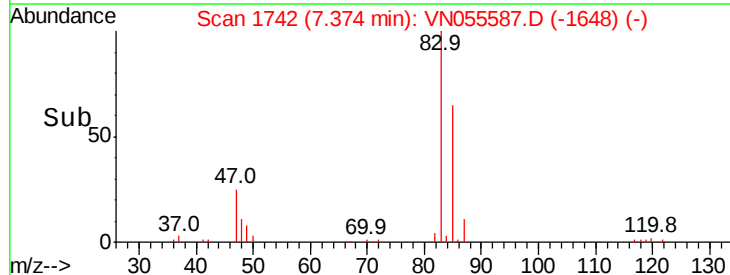
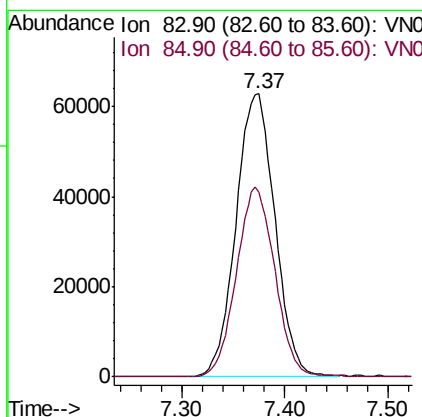
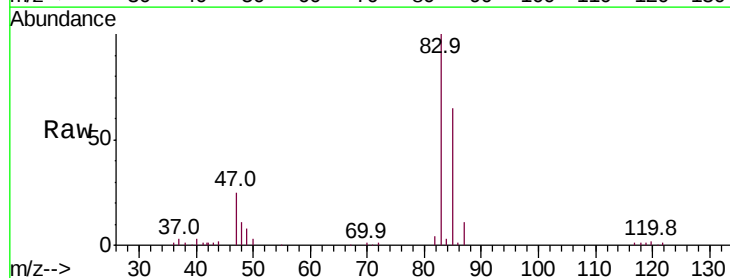
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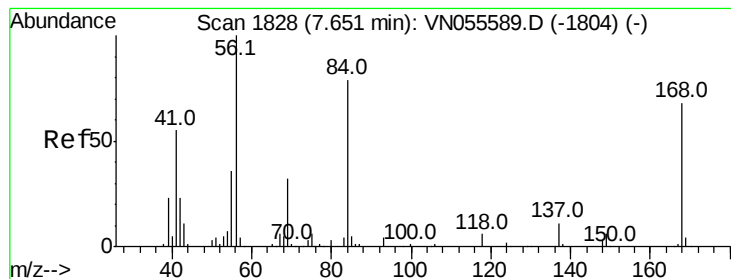
MMDadoda
5/16/2019 1:27:49 PM



#30
Chloroform
Concen: 9.823 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.9	77.9





#31

Cyclohexane

Concen: 9.796 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

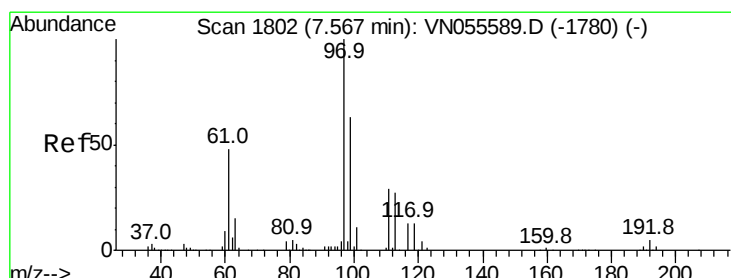
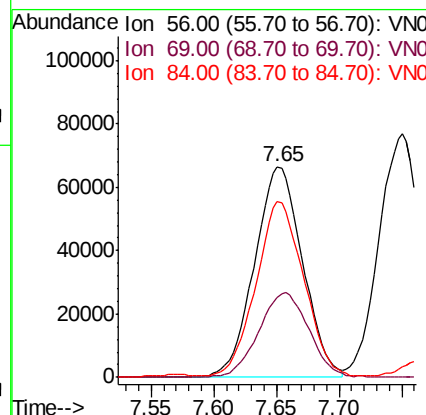
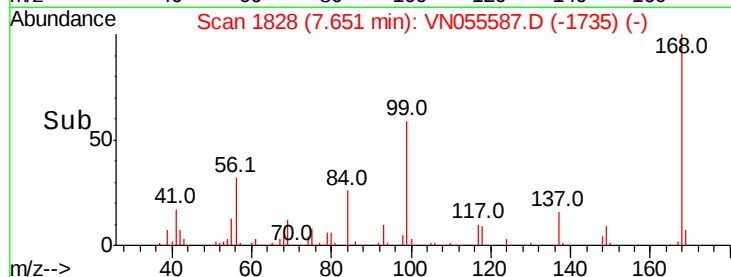
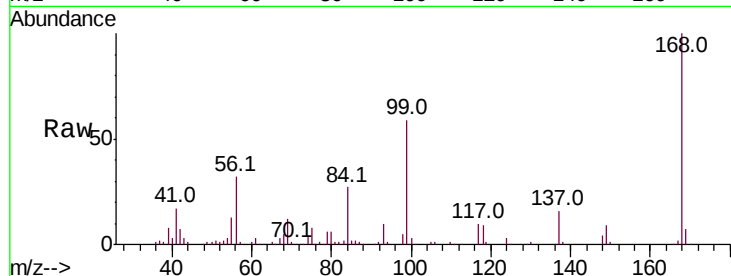
VSTDIC010

Tot Ion: 56 Resp: 176706

Ion	Ratio	Lower	Upper
56	100		
69	37.9	25.7	38.5
84	82.4	63.4	95.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 9.791 ug/l

RT: 7.57 min Scan# 1802

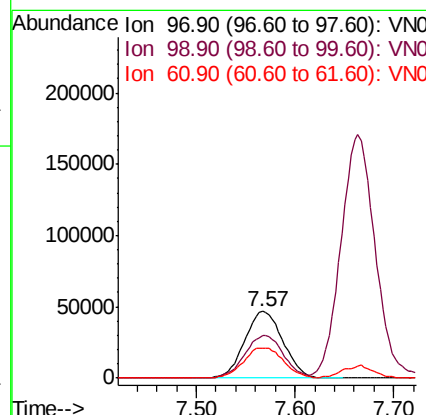
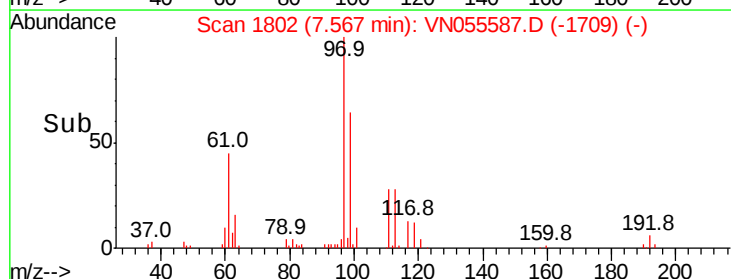
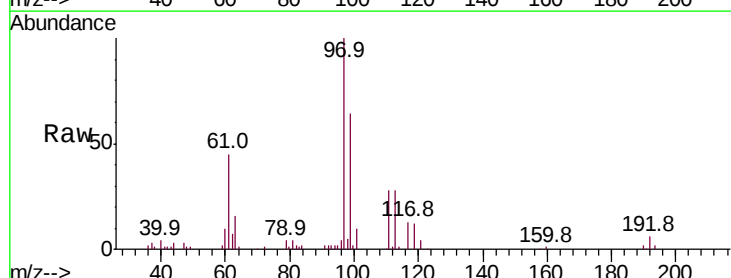
Delta R.T. -0.00 min

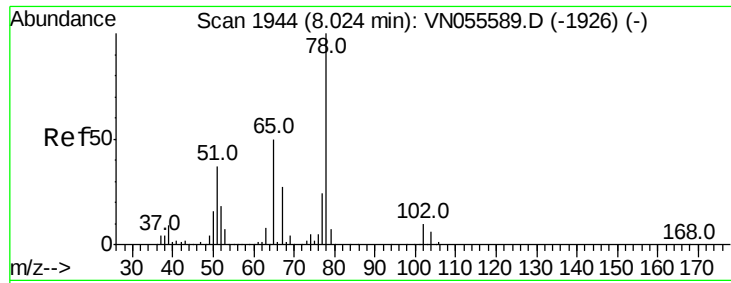
Lab File: VN055587.D

Acq: 14 May 2019 11:57

Tgt Ion: 97 Resp: 125857

Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.8	76.2
61	47.6	38.7	58.1





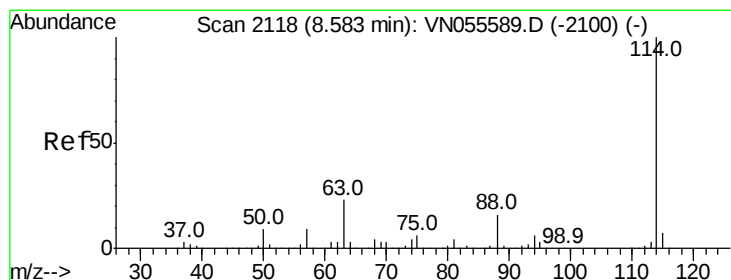
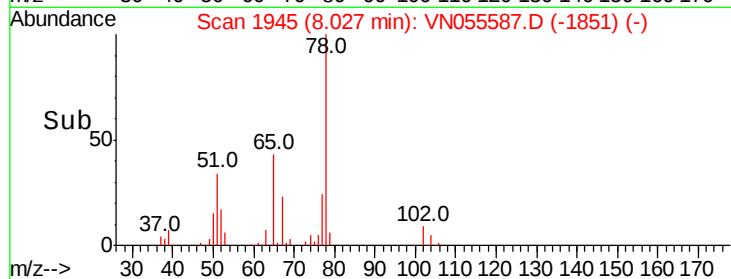
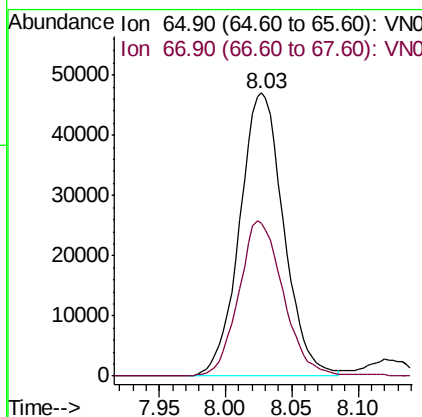
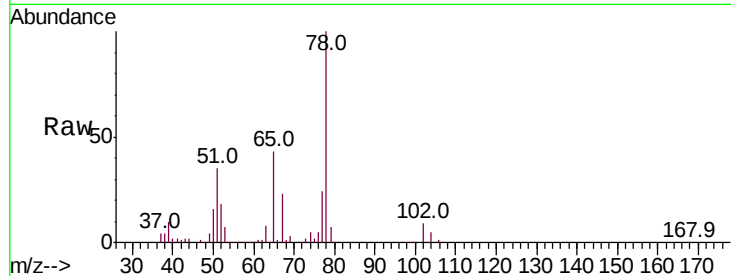
#33
 1,2-Dichloroethane-d4
 Concen: 9.740 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	109.8

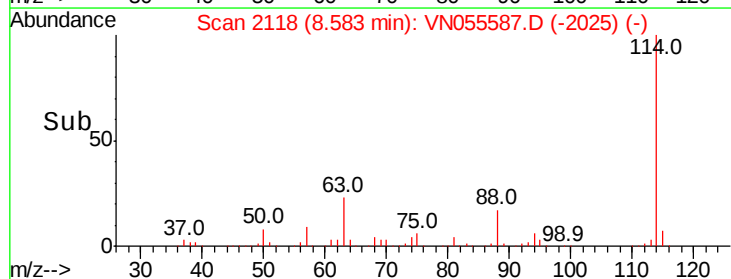
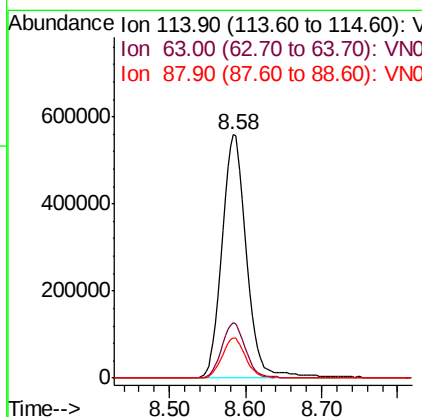
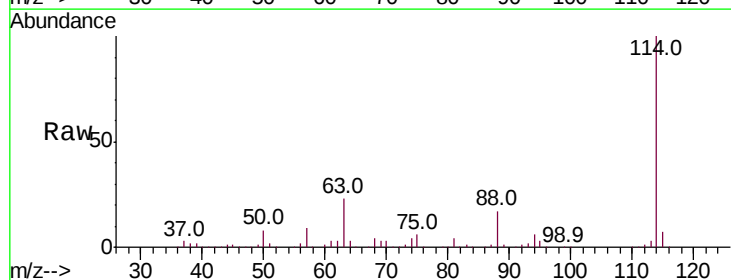
Manual Integrations
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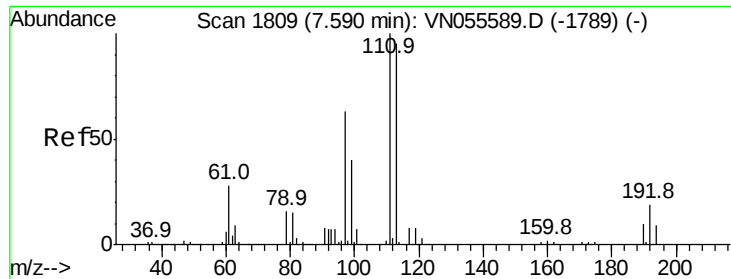
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	45.8
88	16.5	0.0	32.6





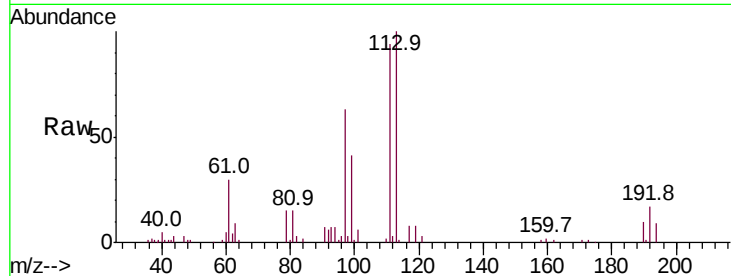
#35
 Dibromofluoromethane
 Concen: 10.742 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.2	83.5	125.3
192	18.8	16.0	24.0

Manual Integrations
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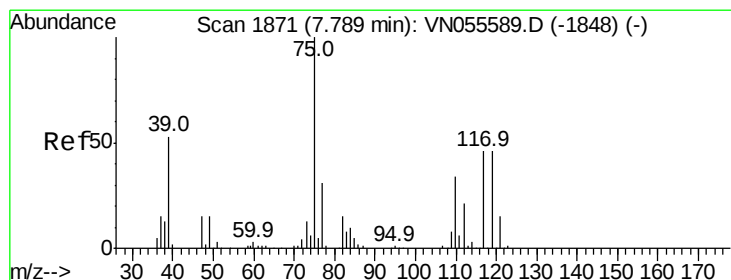
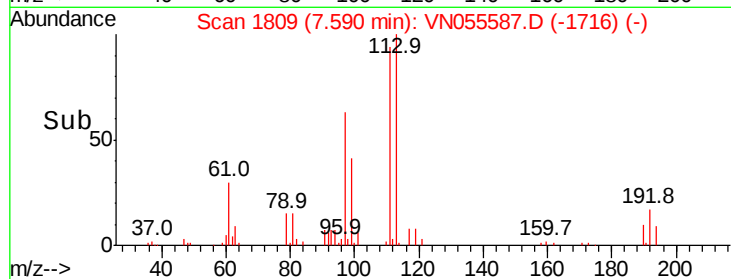
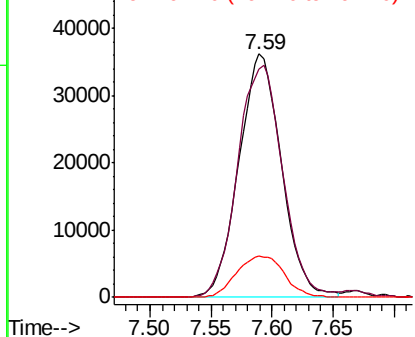


Abundance

Ion 112.80 (112.50 to 113.50): V

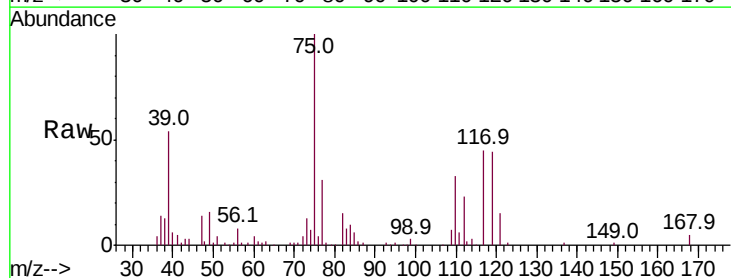
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 9.837 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	16.9	50.7
77	32.3	24.9	37.3

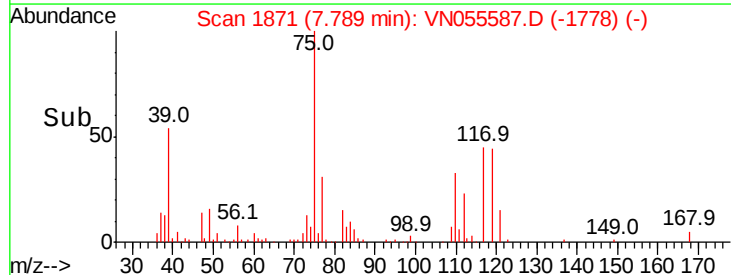
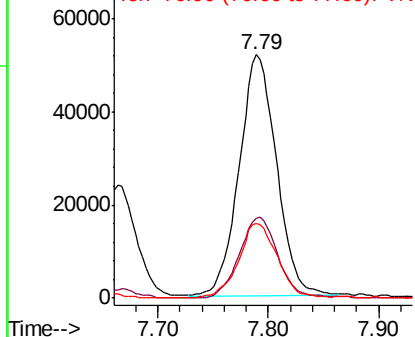


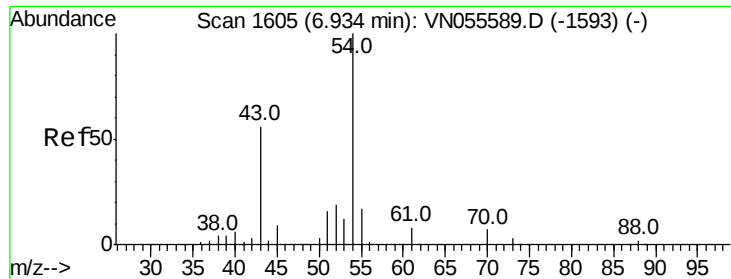
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





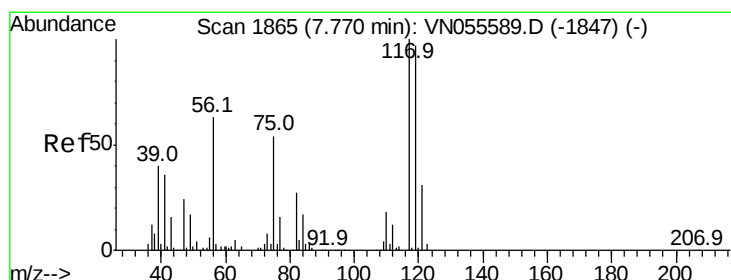
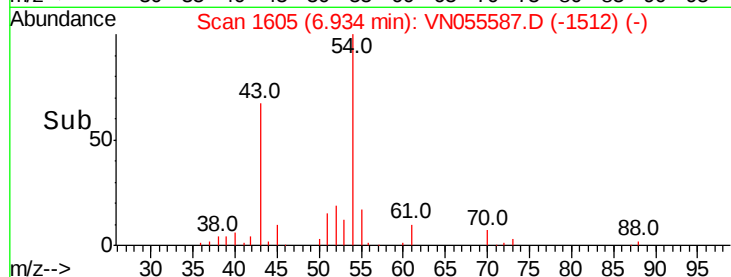
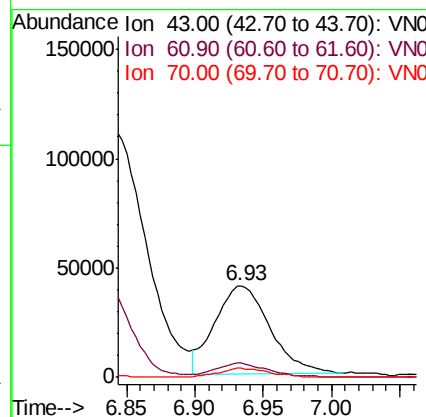
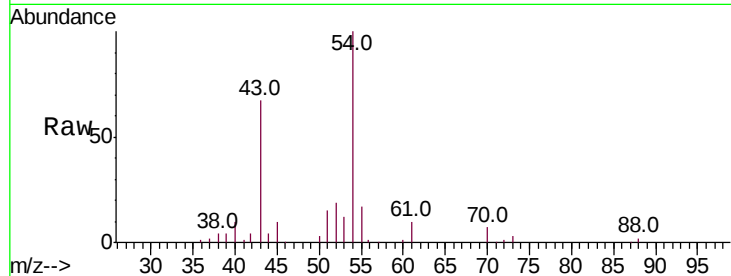
#37
Ethyl Acetate
Concen: 8.565 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	10.8	16.2
70	9.9	7.4	11.2

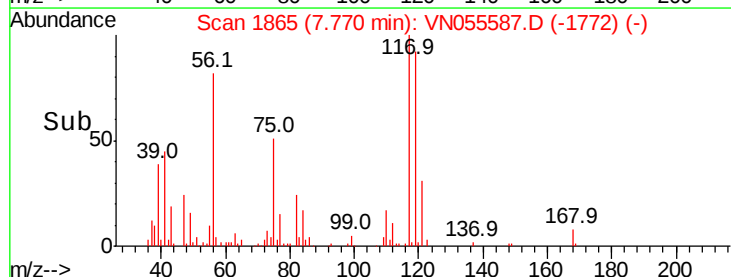
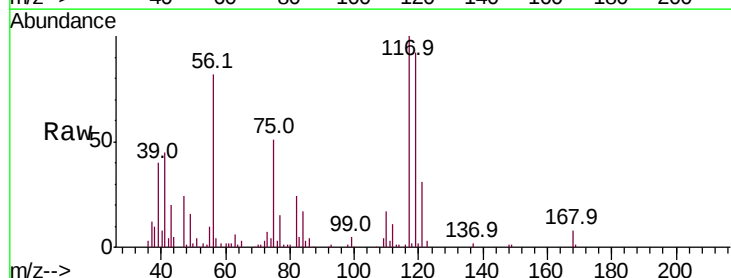
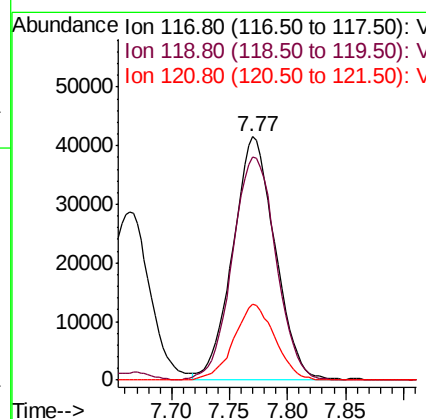
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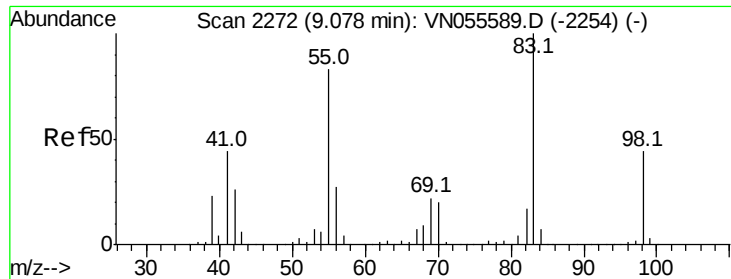
MMDadoda
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#38
Carbon Tetrachloride
Concen: 10.066 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.5	77.1	115.7
121	31.1	24.4	36.6





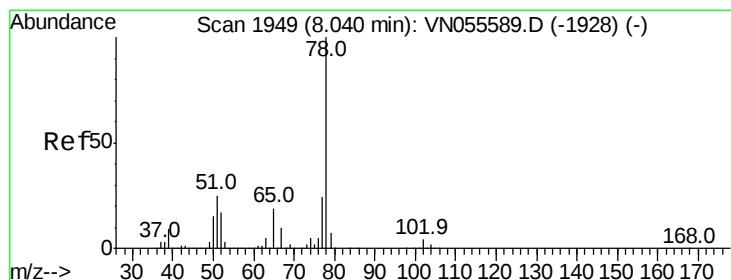
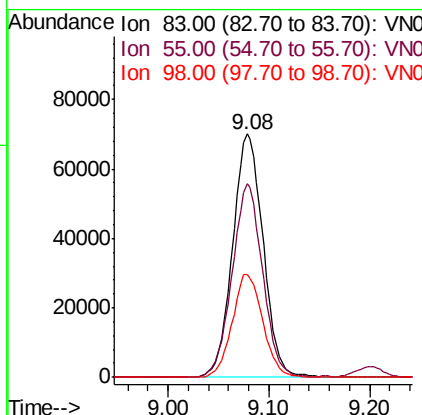
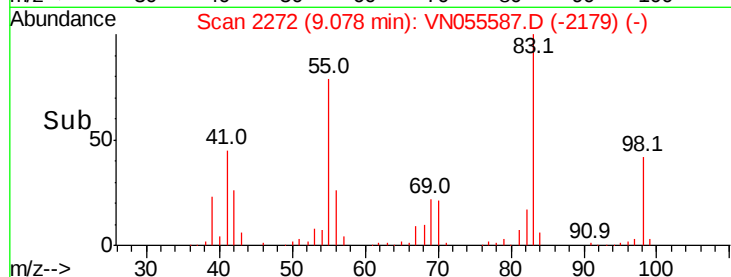
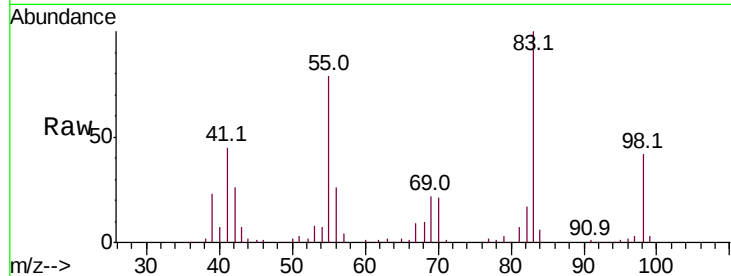
#39
Methvlcvclohexane
Concen: 9.764 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	79.4	66.3	99.5	
98	42.5	34.8	52.2	

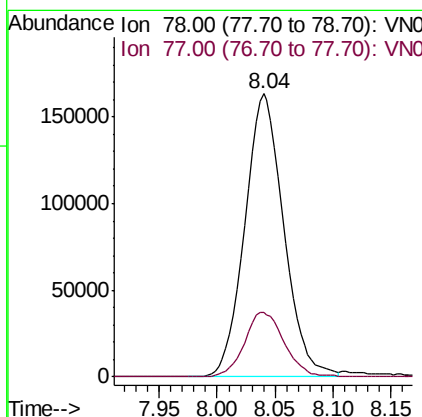
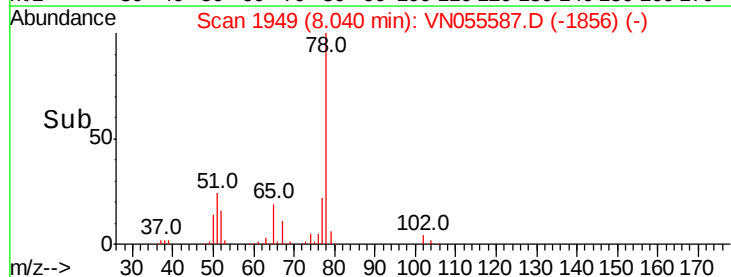
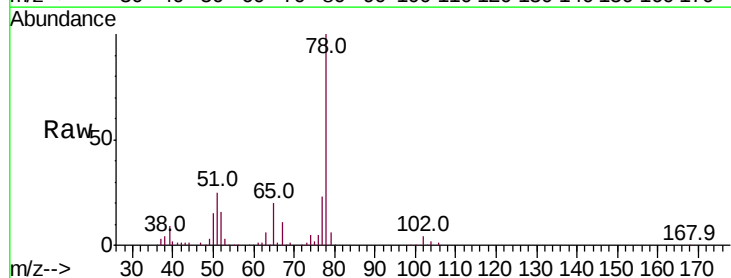
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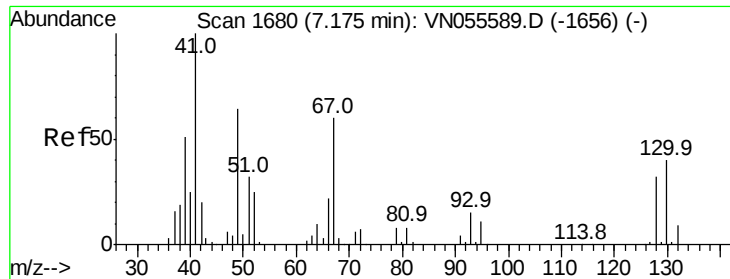
MMDadoda
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#40
Benzene
Concen: 9.982 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.6	18.9	28.3	





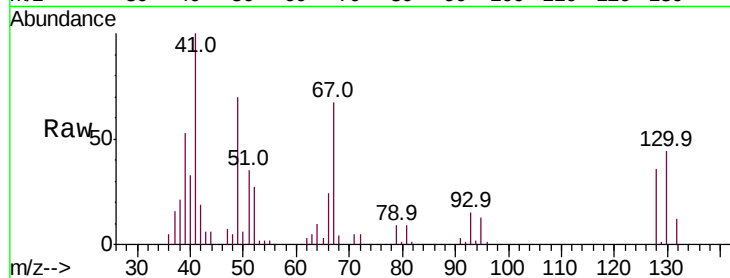
#41
Methacrylonitrile
Concen: 8.903 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion:	41	Resp:	54460
Ion	Ratio	Lower	Upper
41	100		
39	54.5	44.1	66.1
67	86.7	63.4	95.0
52	36.0	25.0	37.6

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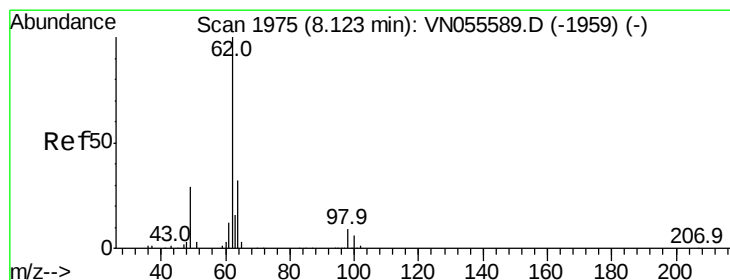
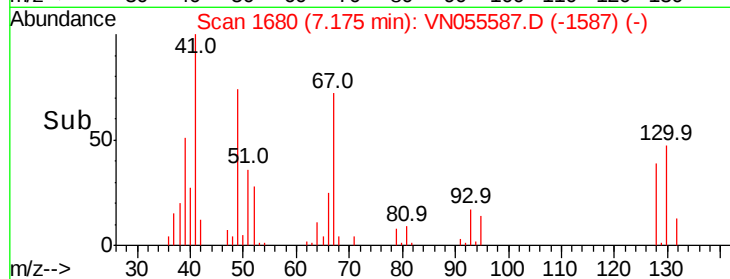
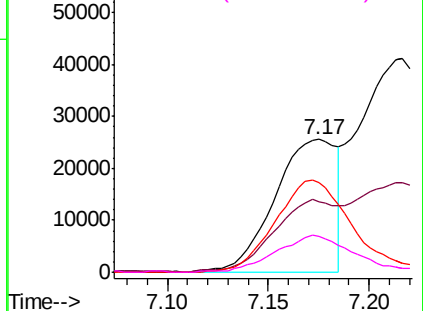
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

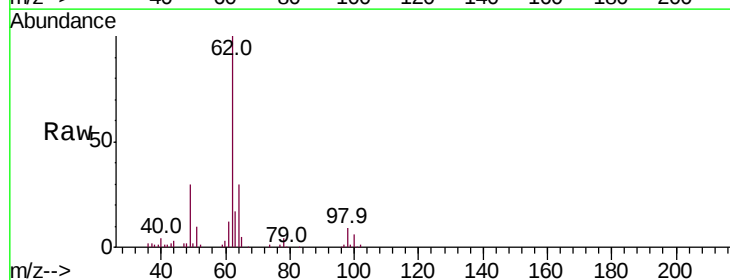
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 9.784 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

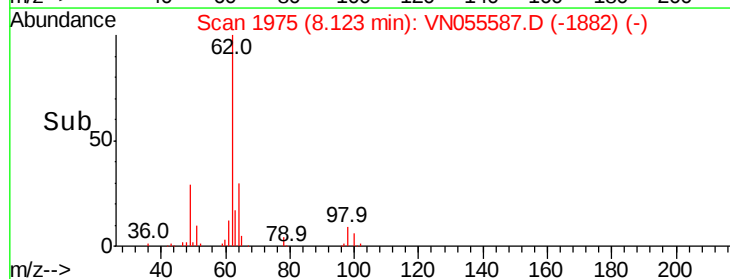
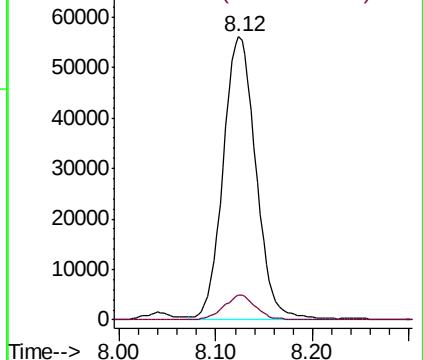
Tgt Ion:	62	Resp:	131169
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.0

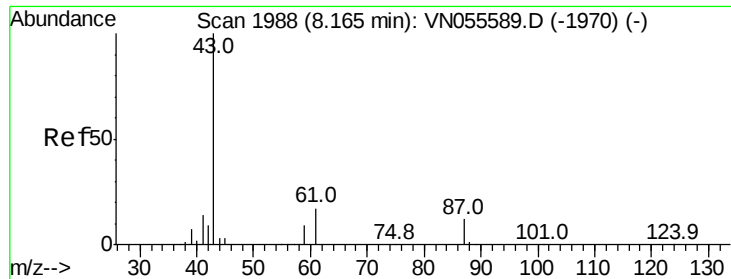


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 9.072 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

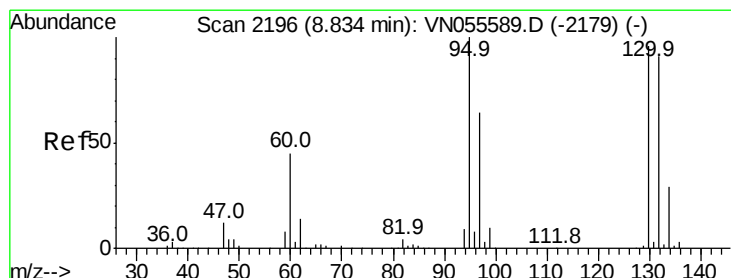
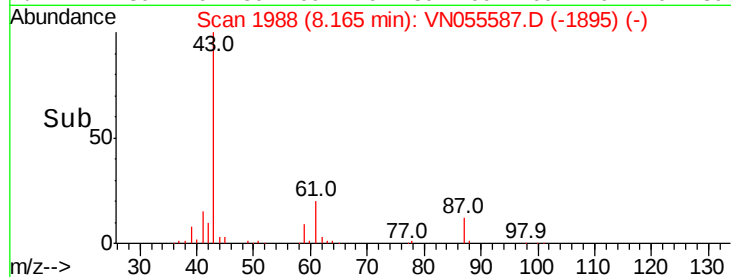
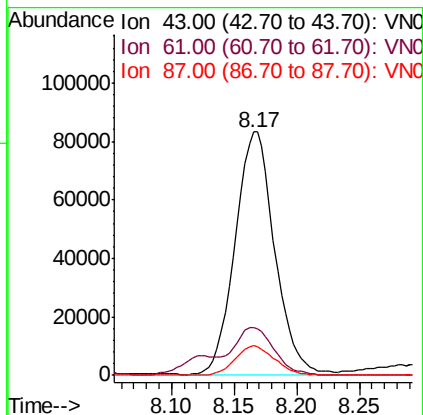
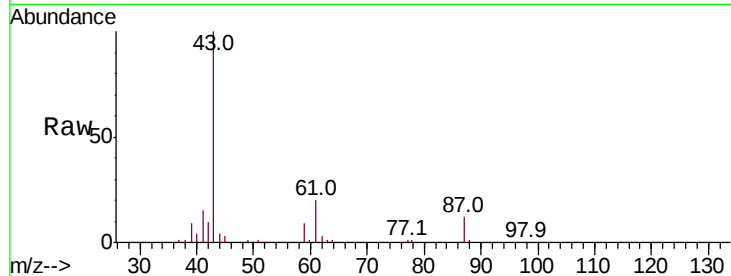
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	181548
Ion Ratio	Lower	Upper	
43	100		
61	19.6	16.1	24.1
87	12.2	9.6	14.4

Manual Integrations
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#44

Trichloroethene

Concen: 10.141 ug/l

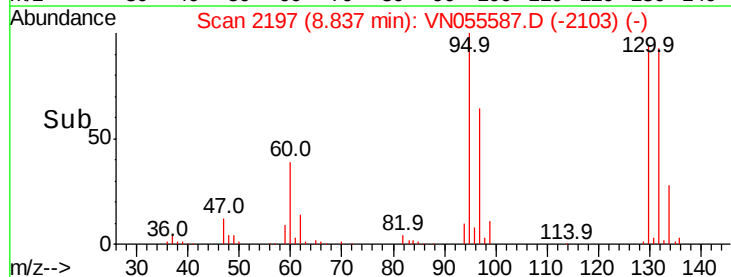
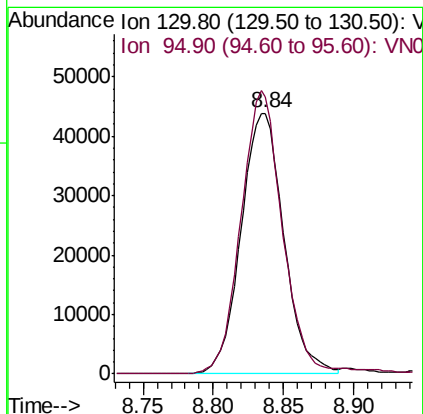
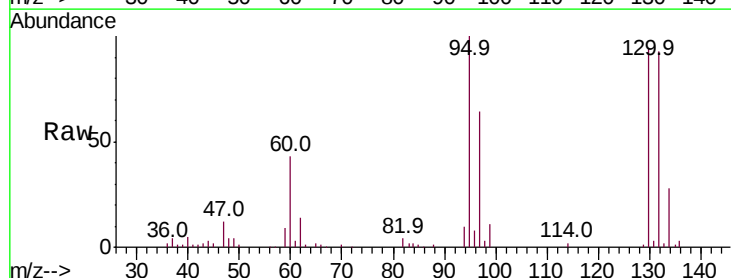
RT: 8.84 min Scan# 2197

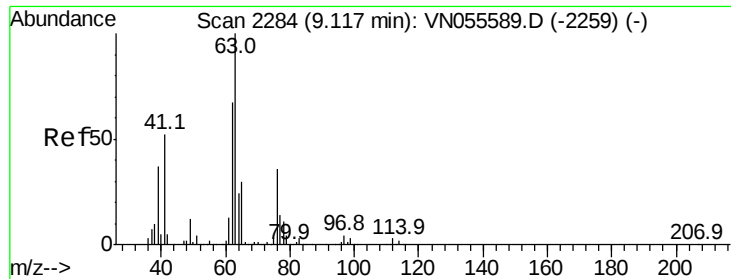
Delta R.T. 0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Tgt Ion:	130	Resp:	93057
Ion Ratio	Lower	Upper	
130	100		
95	106.6	0.0	208.6





#45

1,2-Dichloropropane

Concen: 9.794 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 107093

Ion Ratio Lower Upper

63 100

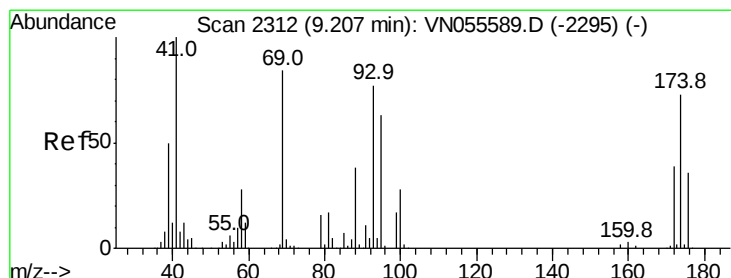
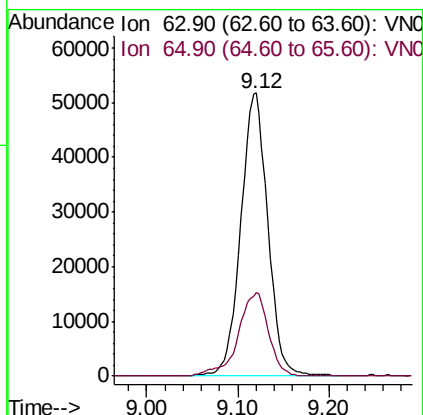
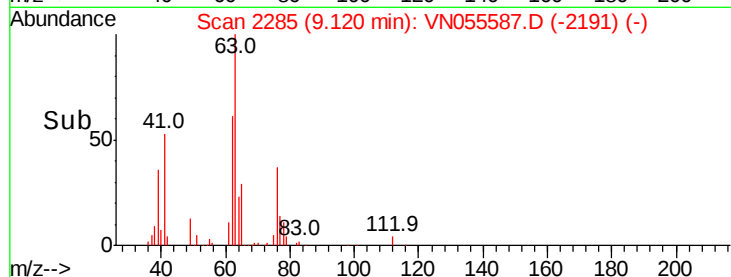
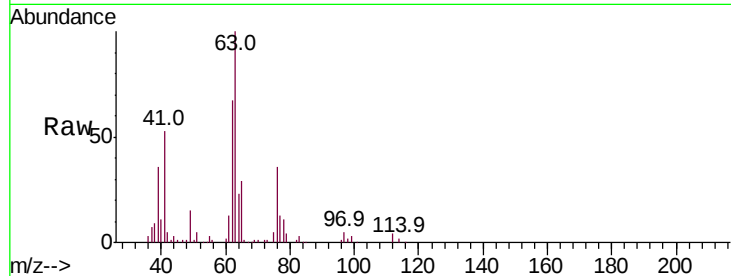
65 29.4 24.1 36.1

Manual Integrations

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#46

Dibromomethane

Concen: 9.872 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

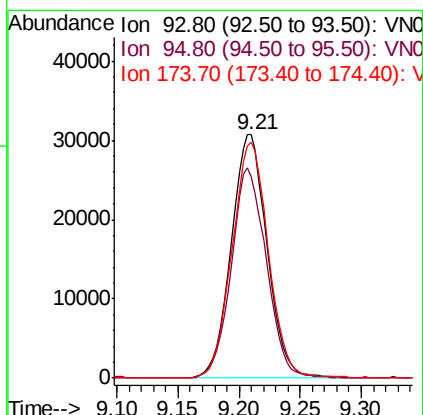
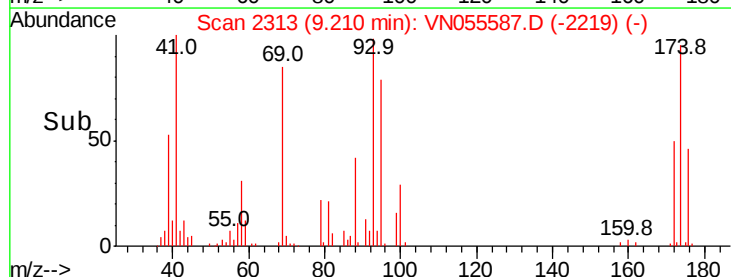
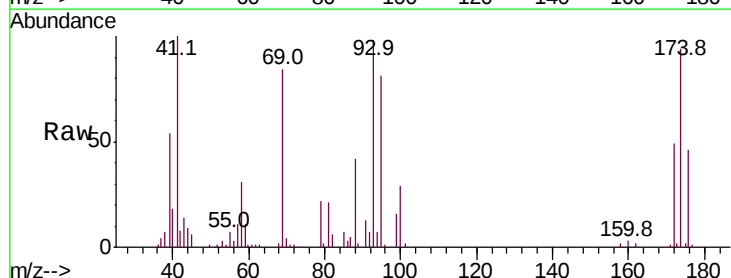
Tgt Ion: 93 Resp: 62520

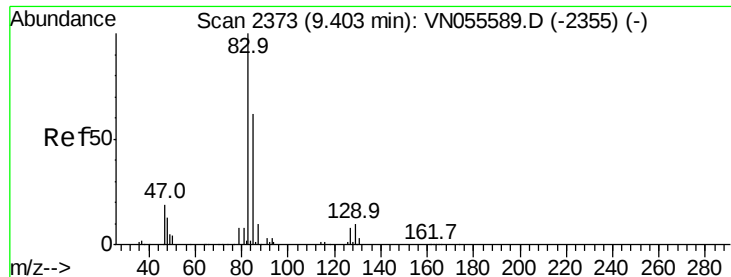
Ion Ratio Lower Upper

93 100

95 84.7 66.6 100.0

174 97.6 78.4 117.6





#47

Bromodichloromethane

Concen: 9.640 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

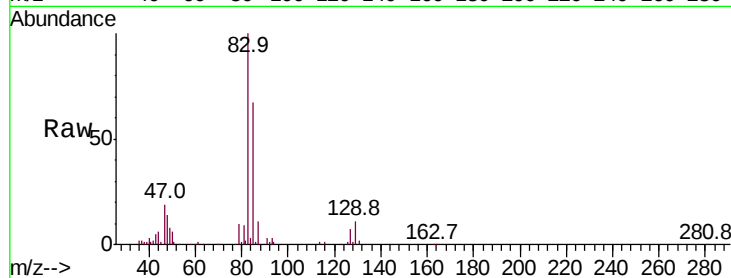
ClientSampleId :

VSTDIC010

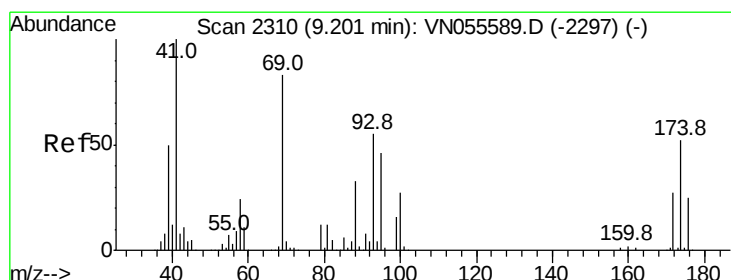
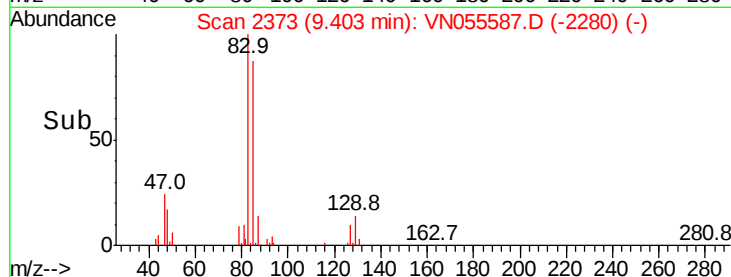
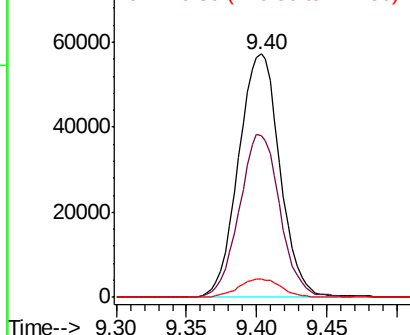
Tot Ion:	83	Resp:	117287
Ion Ratio	Lower	Upper	
83	100		
85	66.7	49.6	74.4
127	7.5	6.6	9.8

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



#48

Methyl methacrylate

Concen: 8.864 ug/l

RT: 9.20 min Scan# 2310

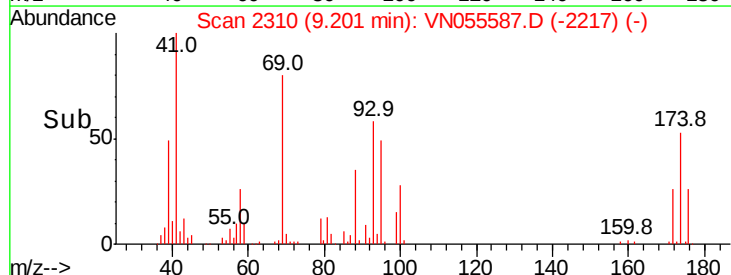
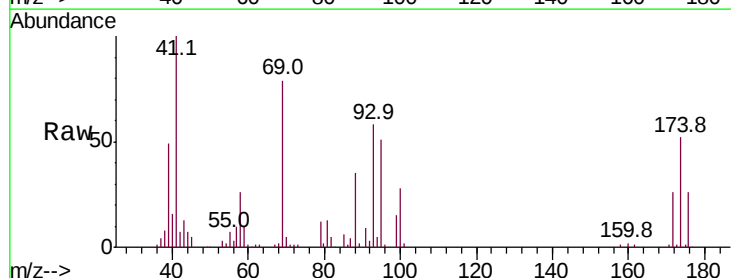
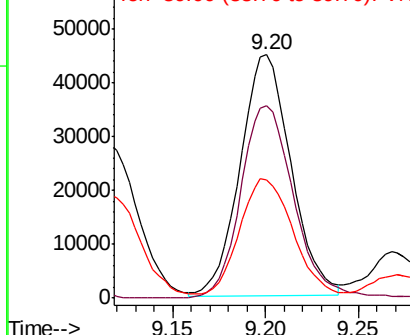
Delta R.T. -0.00 min

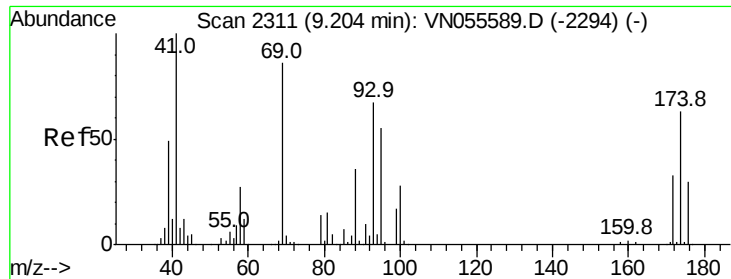
Lab File: VN055587.D

Acq: 14 May 2019 11:57

Tgt Ion:	41	Resp:	85723
Ion Ratio	Lower	Upper	
41	100		
69	83.4	65.7	98.5
39	51.8	40.2	60.4

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





#49

1,4-Dioxane

Concen: 176.314 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055587.D

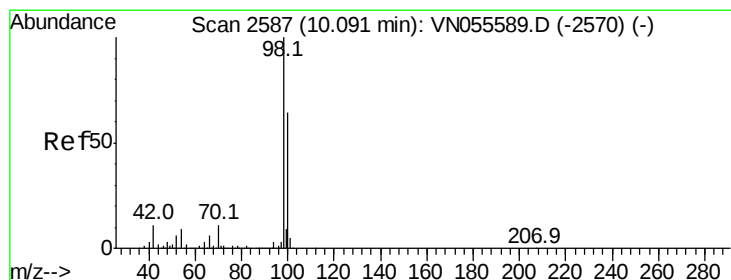
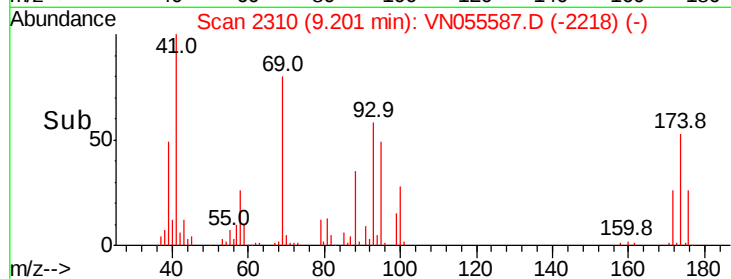
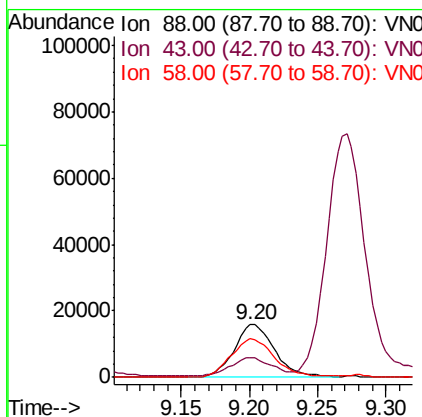
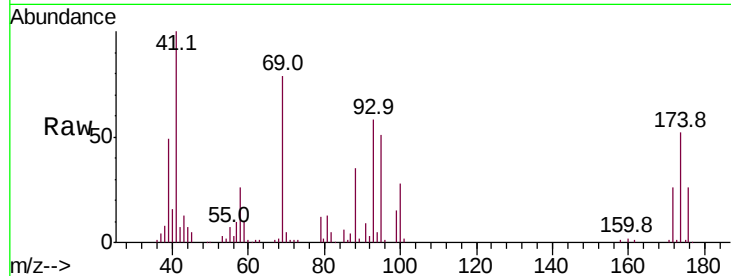
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.5	25.4	38.0
58	78.1	59.4	89.2

Manual Integrations
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#50

Toluene-d8

Concen: 10.238 ug/l

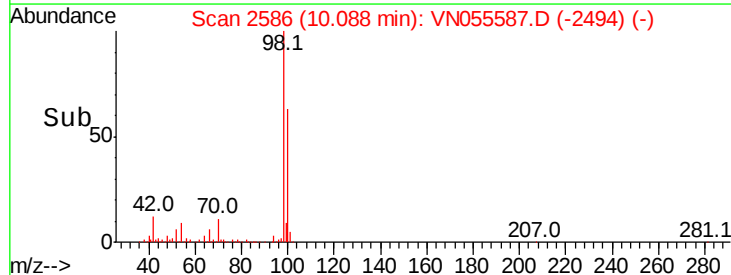
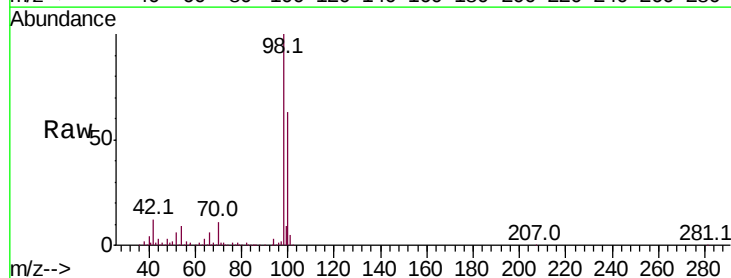
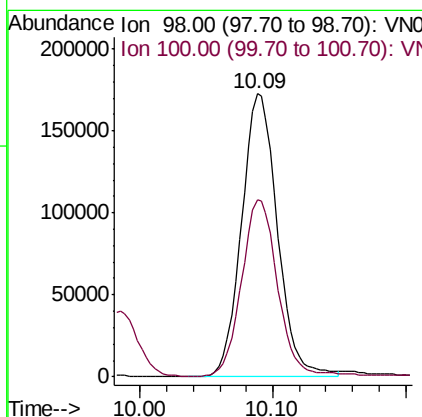
RT: 10.09 min Scan# 2586

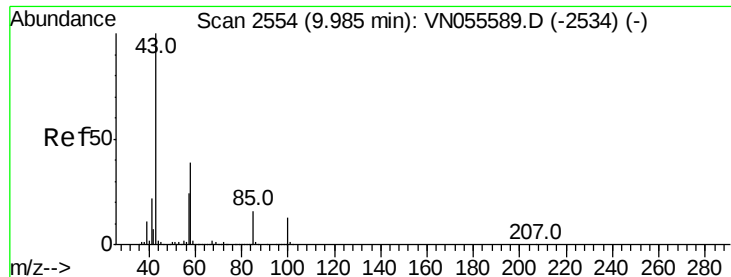
Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 43.104 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 564616

Ion Ratio Lower Upper

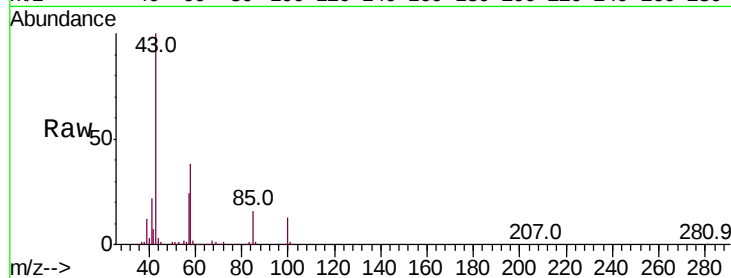
43 100

58 38.2 30.6 46.0

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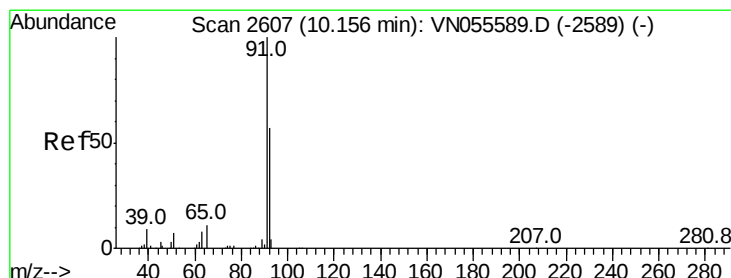
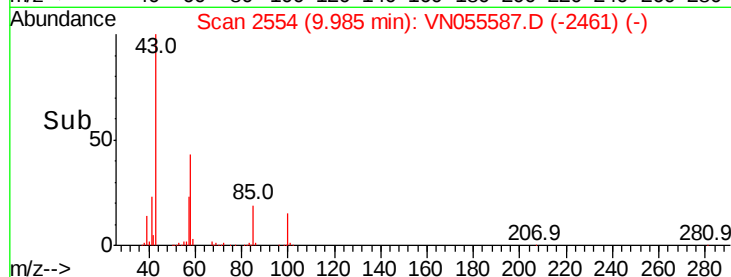
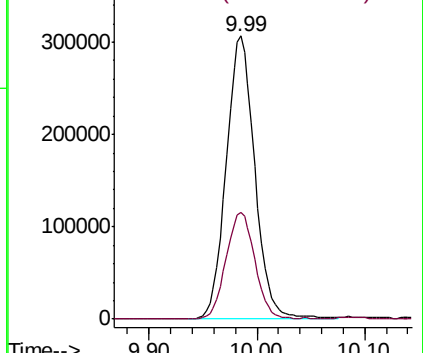
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 10.070 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055587.D

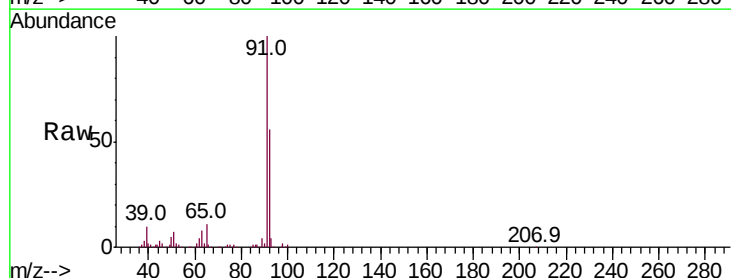
Acq: 14 May 2019 11:57

Tgt Ion: 92 Resp: 220759

Ion Ratio Lower Upper

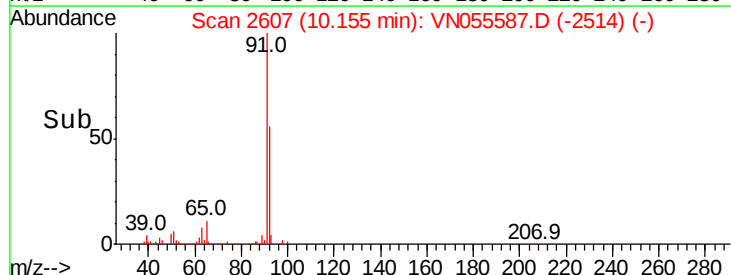
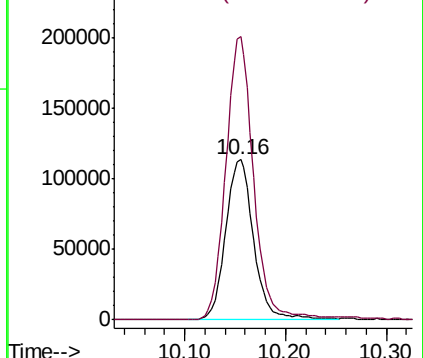
92 100

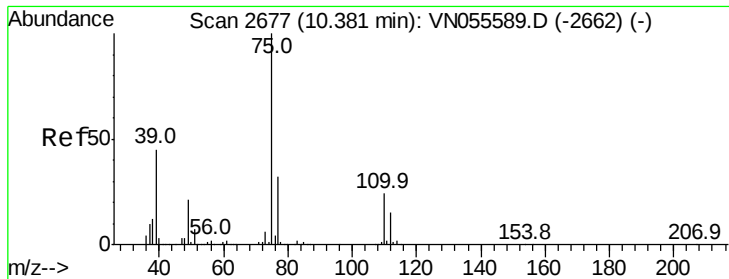
91 174.8 141.5 212.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 9.330 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

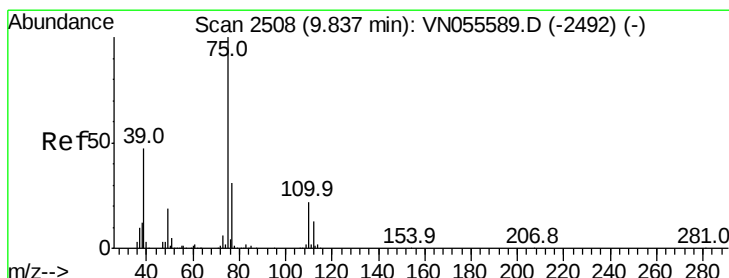
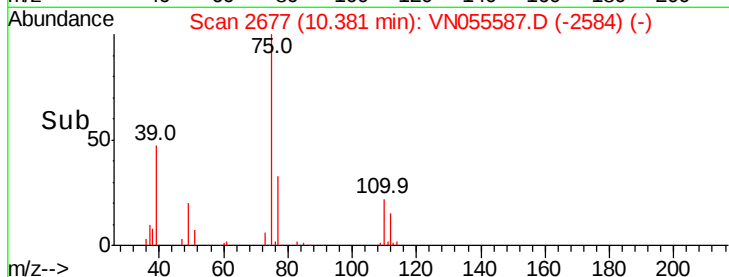
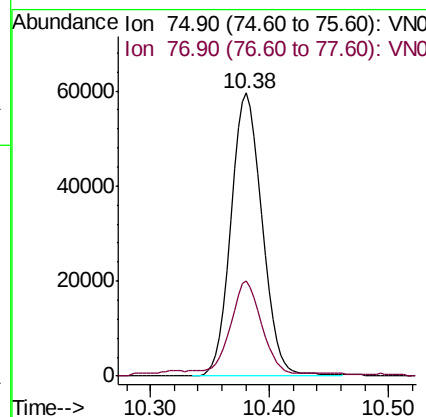
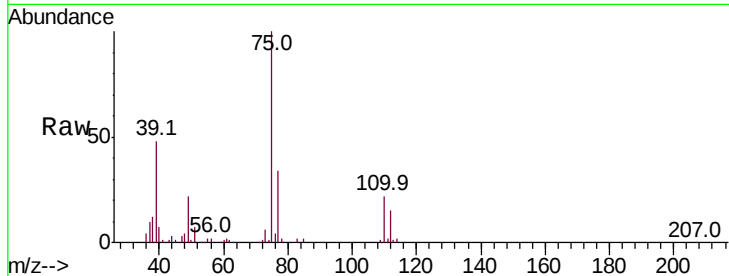
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 108513

Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.5	38.3

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 9.627 ug/l

RT: 9.84 min Scan# 2509

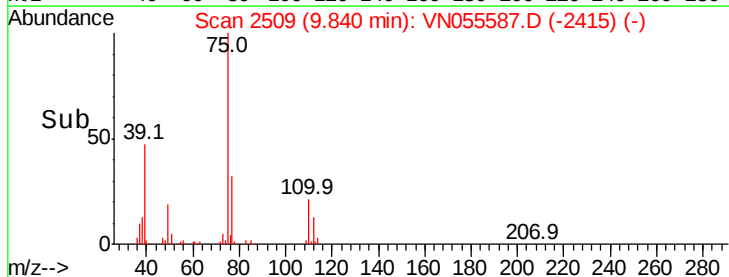
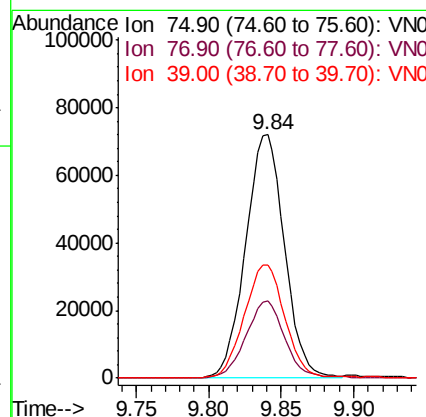
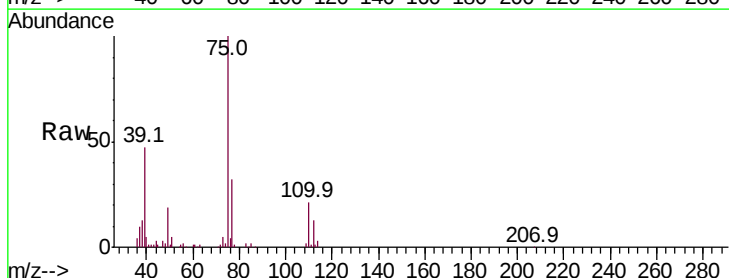
Delta R.T. 0.00 min

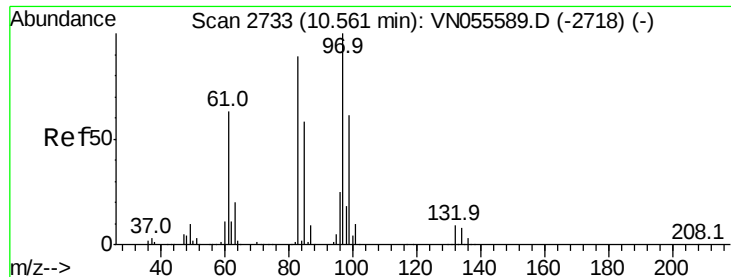
Lab File: VN055587.D

Acq: 14 May 2019 11:57

Tgt Ion: 75 Resp: 134225

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.5	36.7
39	46.3	37.7	56.5





#55

1,1,2-Trichloroethane

Concen: 9.858 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 97 Resp: 87366

Ion Ratio Lower Upper

97 100

83 92.3 71.5 107.3

85 58.8 46.2 69.4

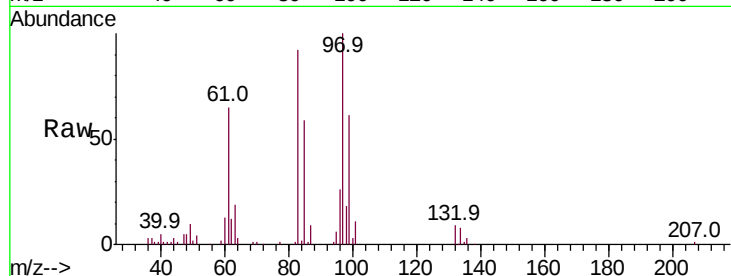
99 61.2 49.0 73.6

Manual Integrations

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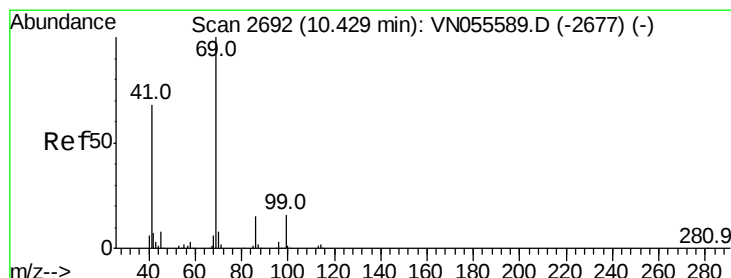
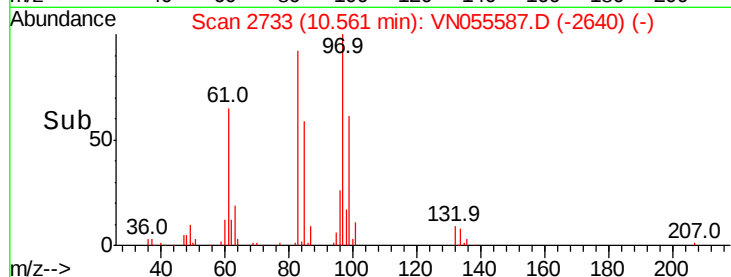
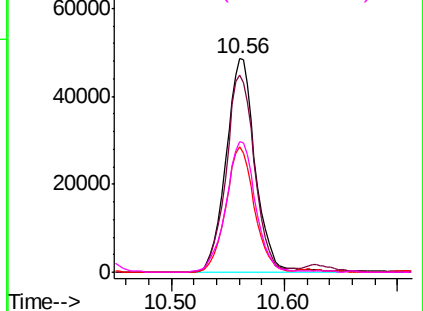


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 9.238 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

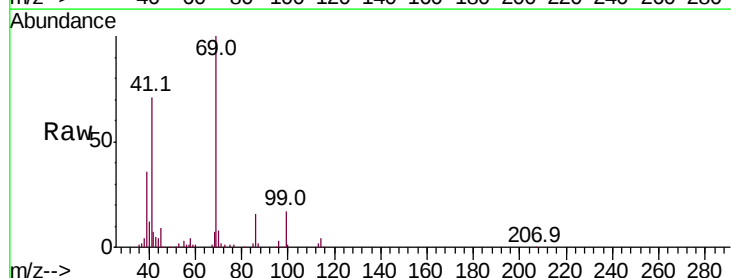
Tgt Ion: 69 Resp: 120543

Ion Ratio Lower Upper

69 100

41 67.0 54.6 82.0

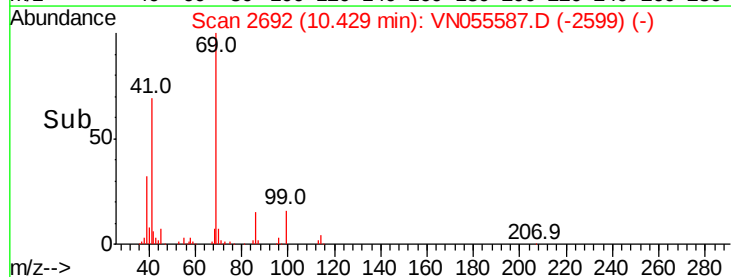
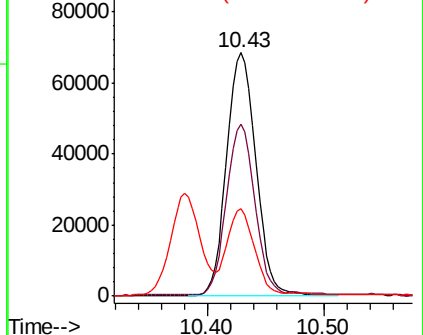
39 33.3 25.5 38.3

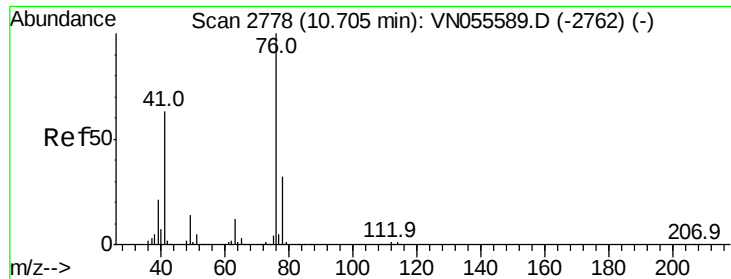


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 9.660 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 151472

Ion Ratio Lower Upper

76 100

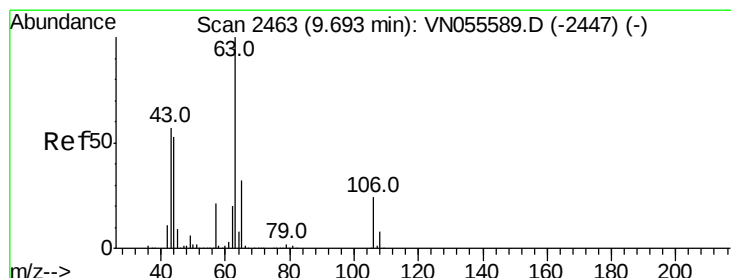
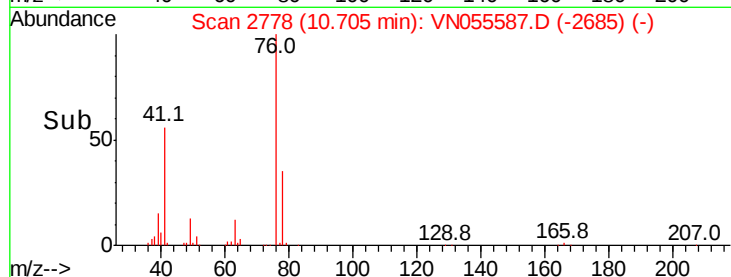
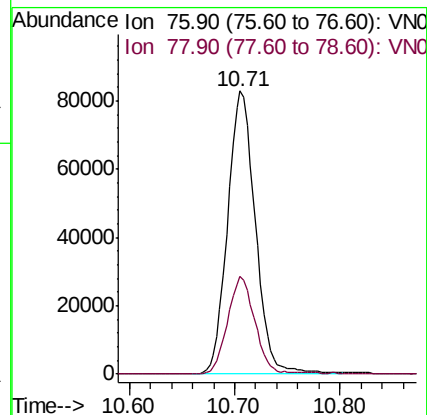
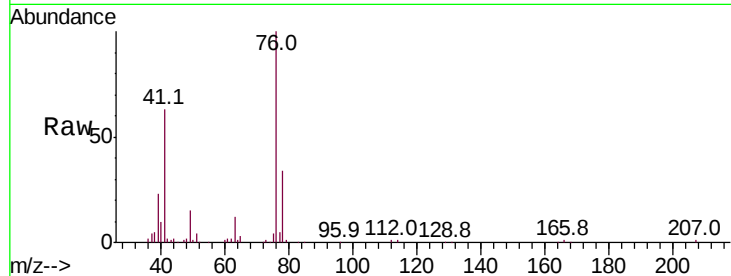
78 33.7 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 38.119 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055587.D

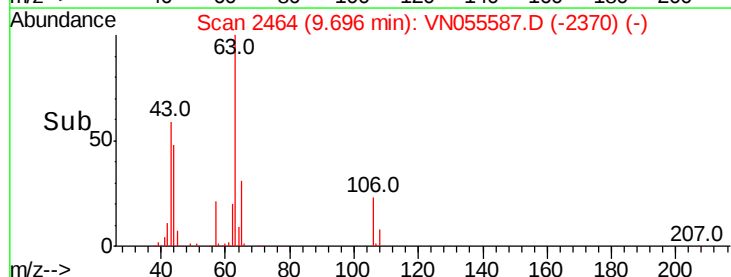
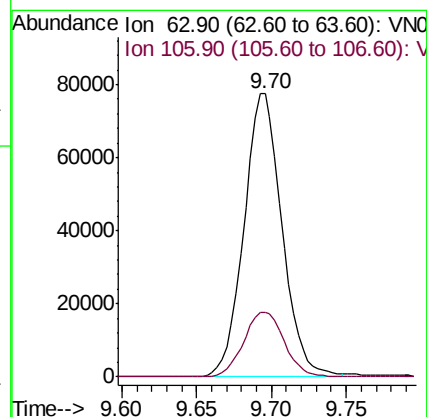
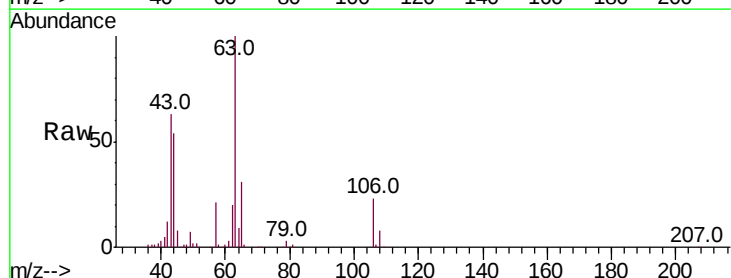
Acq: 14 May 2019 11:57

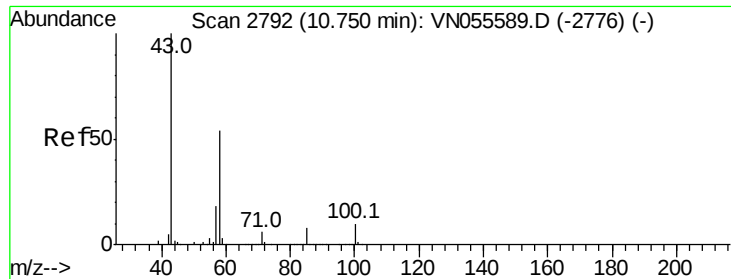
Tgt Ion: 63 Resp: 137080

Ion Ratio Lower Upper

63 100

106 24.4 19.0 28.4





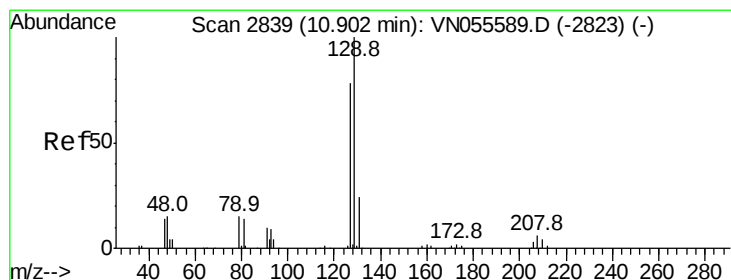
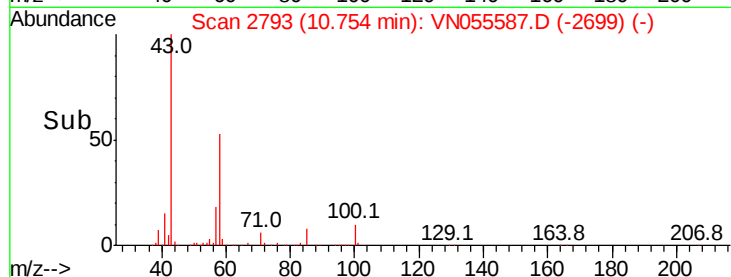
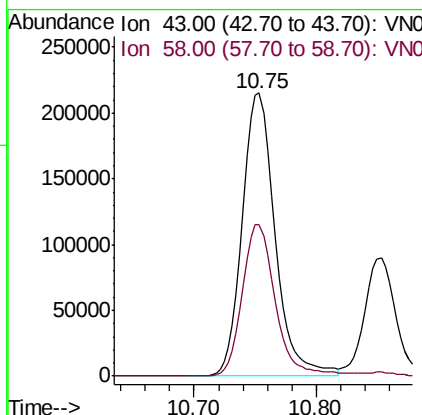
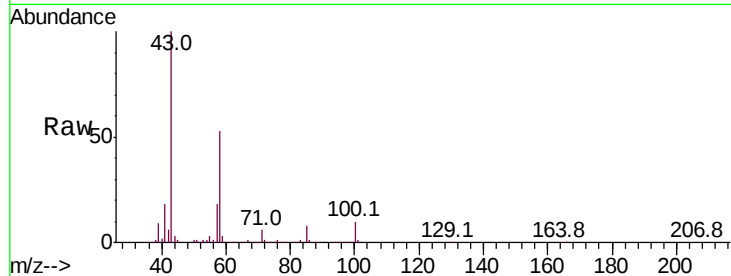
#59
2-Hexanone
Concen: 43.255 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 396753
Ion Ratio Lower Upper
43 100
58 54.2 27.0 80.8

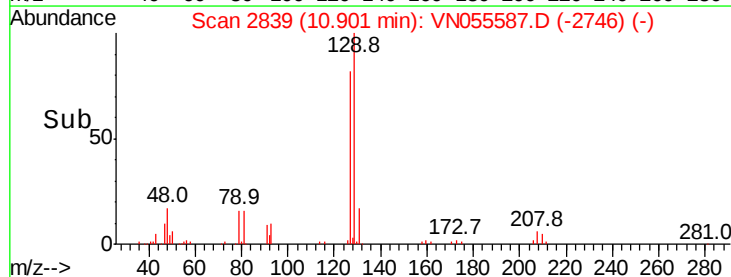
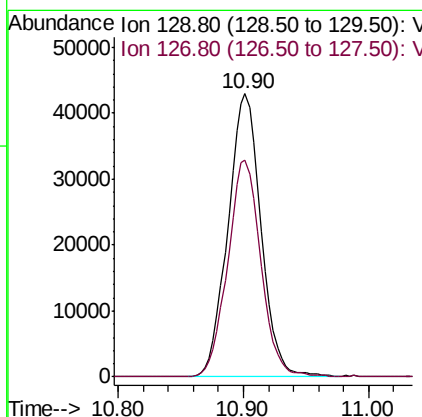
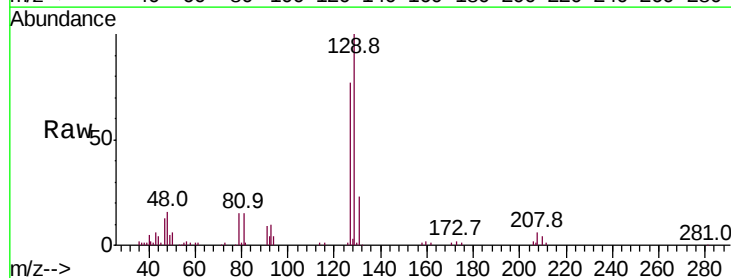
Manual Integrations
APPROVED

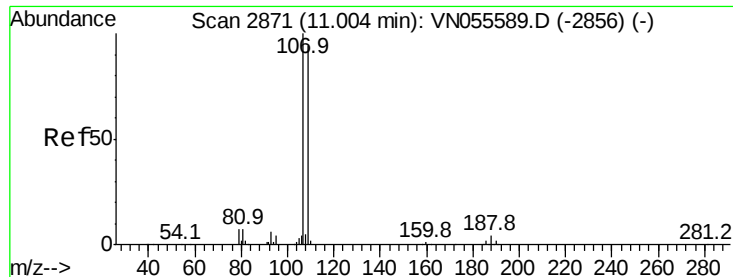
MMDadoda
5/16/2019 1:27:49 PM



#60
Dibromochloromethane
Concen: 9.742 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion: 129 Resp: 78557
Ion Ratio Lower Upper
129 100
127 76.5 39.1 117.2





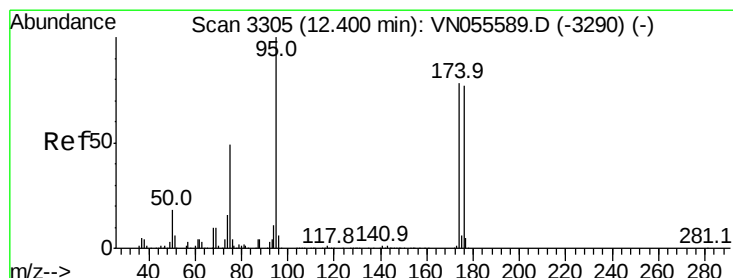
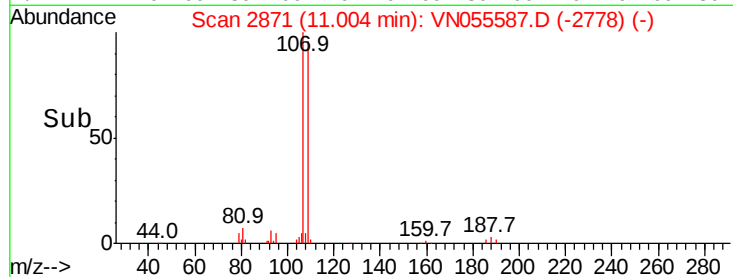
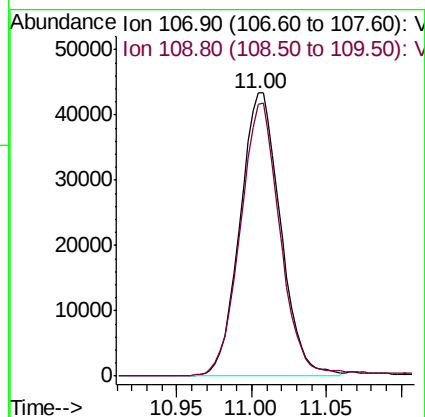
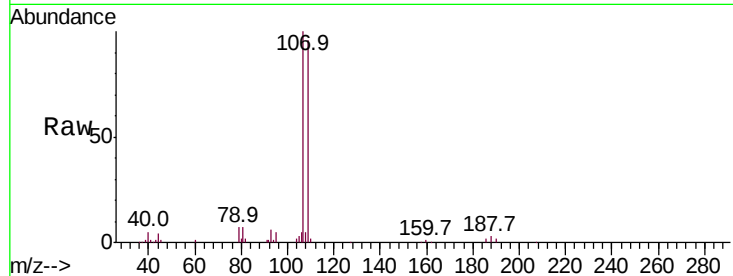
#61
 1,2-Dibromoethane
 Concen: 9.621 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.8	75.8	113.8

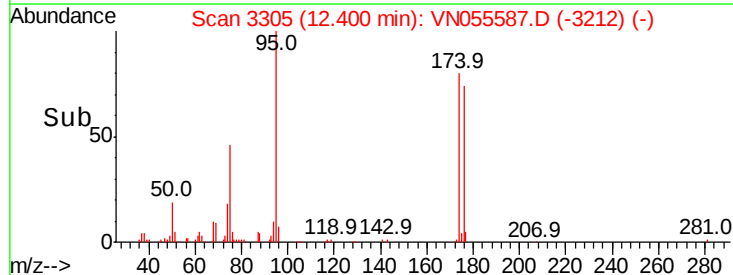
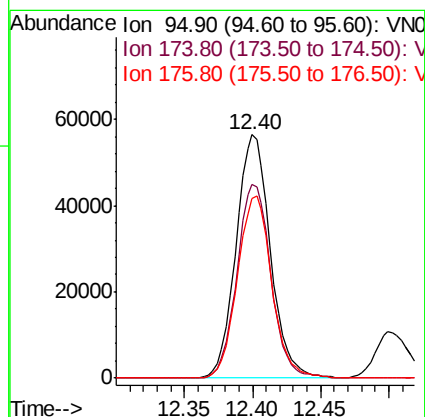
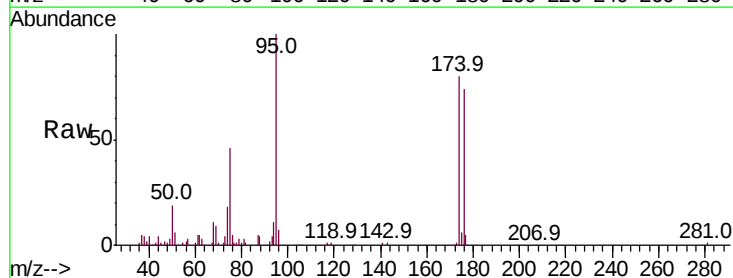
Manual Integrations
 APPROVED

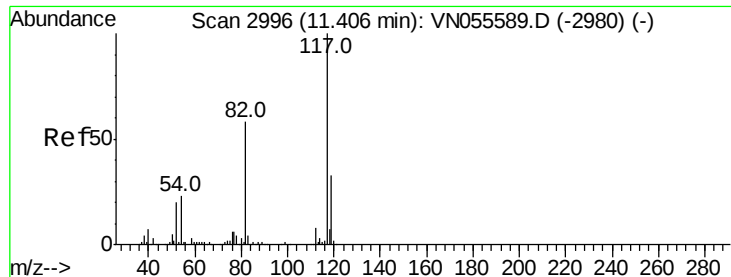
MMDadoda
 5/16/2019 1:27:49 PM



#62
 4-Bromofluorobenzene
 Concen: 9.318 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.7	0.0	158.4
176	75.0	0.0	153.4





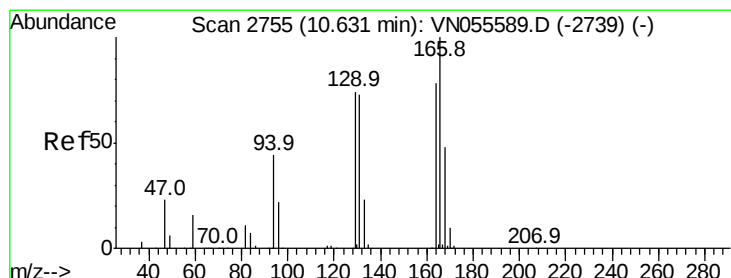
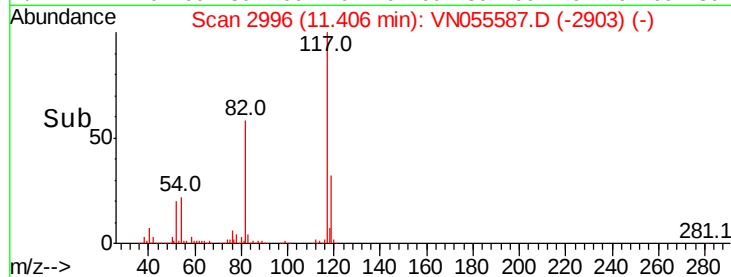
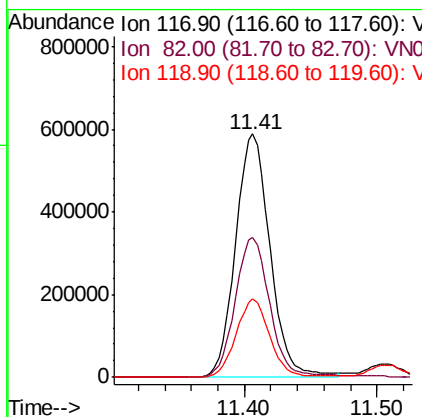
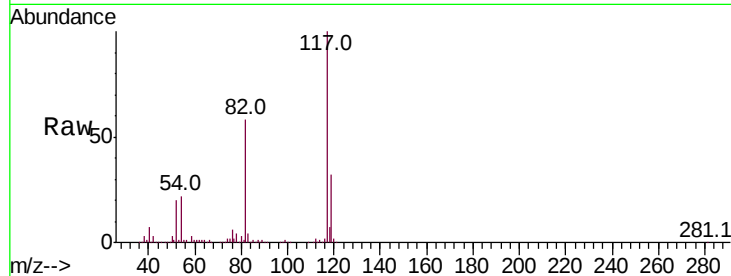
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion:117 Resp: 1065123
Ion Ratio Lower Upper
117 100
82 57.5 46.7 70.1
119 32.1 26.0 39.0

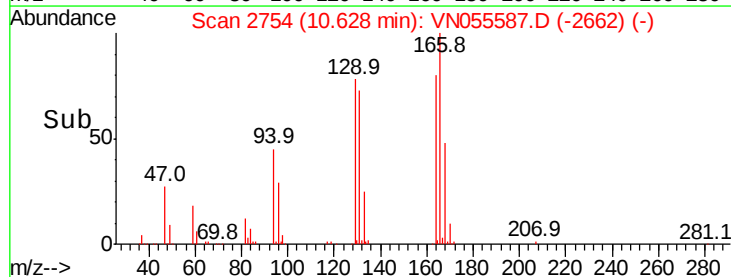
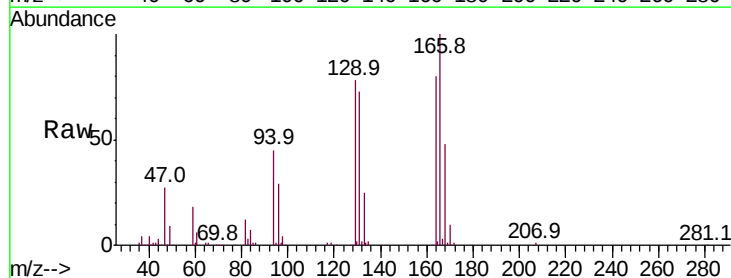
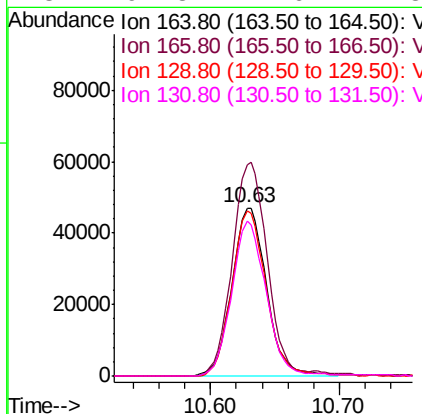
Manual Integrations
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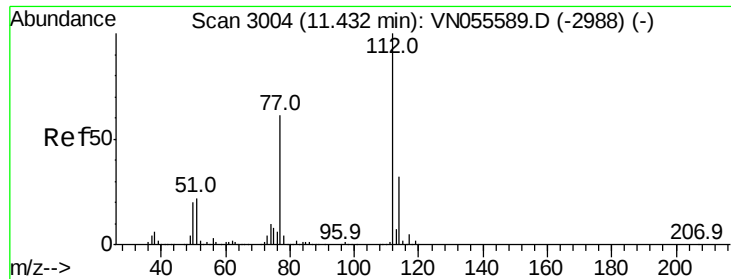
MMDadoda
5/16/2019 1:27:49 PM



#64
Tetrachloroethene
Concen: 10.119 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion:164 Resp: 88122
Ion Ratio Lower Upper
164 100
166 125.6 102.1 153.1
129 98.1 75.8 113.8
131 91.8 74.6 111.8





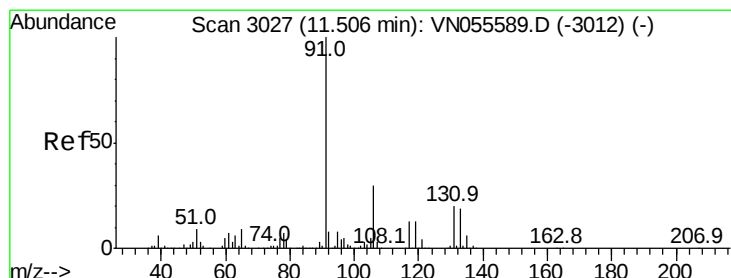
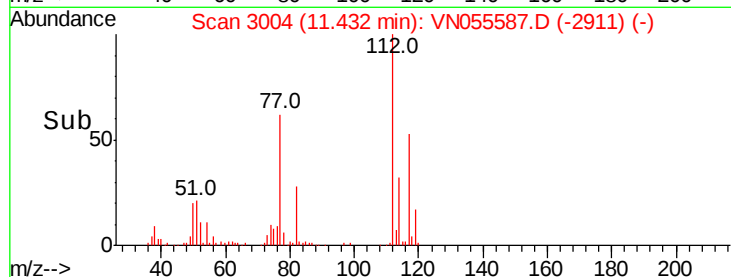
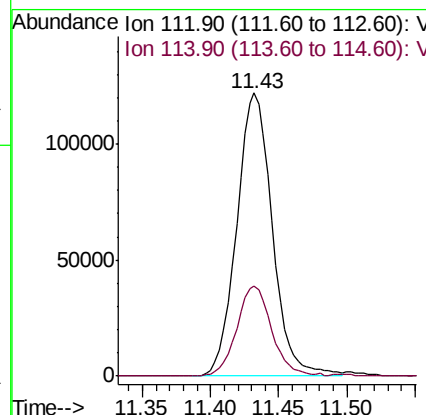
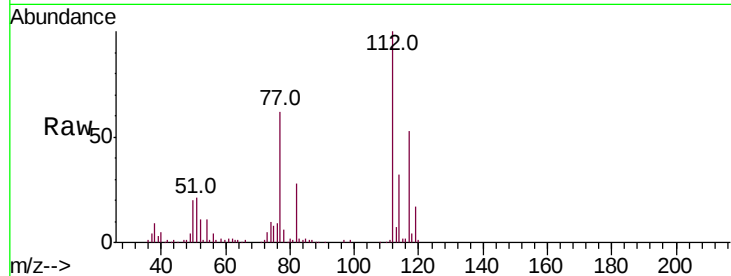
#65
Chlorobenzene
Concen: 10.118 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.4	38.2

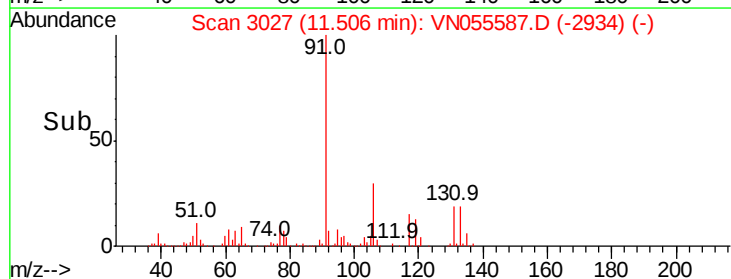
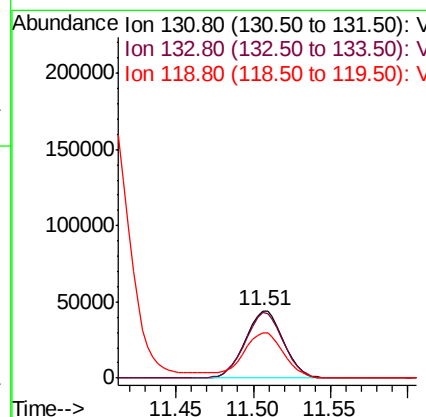
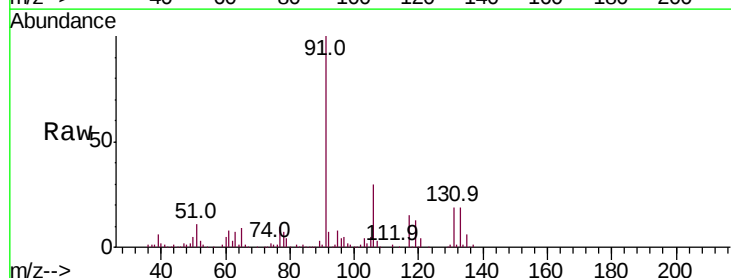
Manual Integrations
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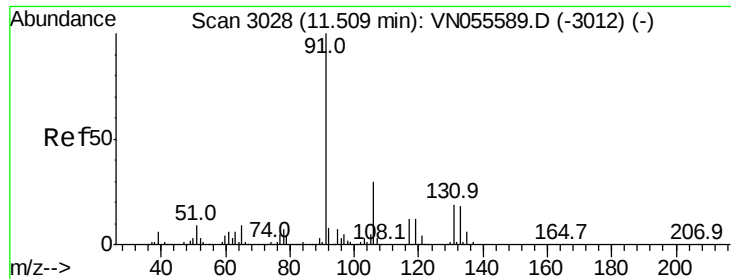
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 10.117 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.6	142.9
119	71.9	34.2	102.5





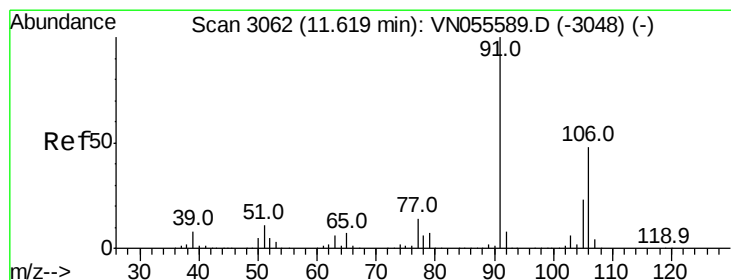
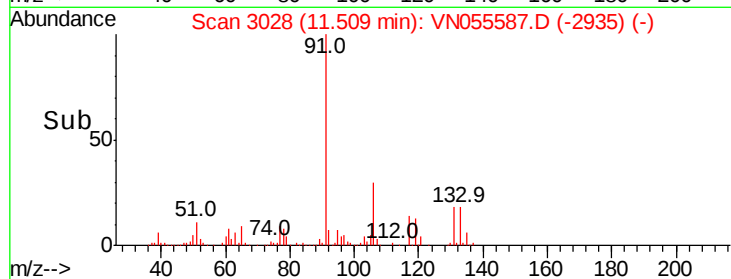
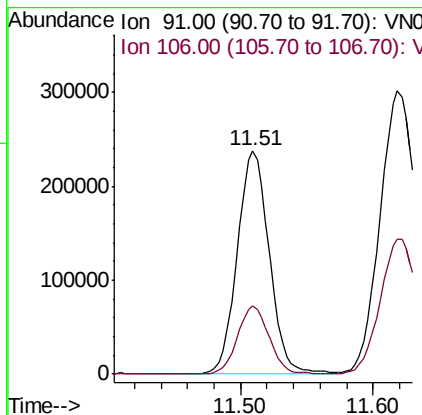
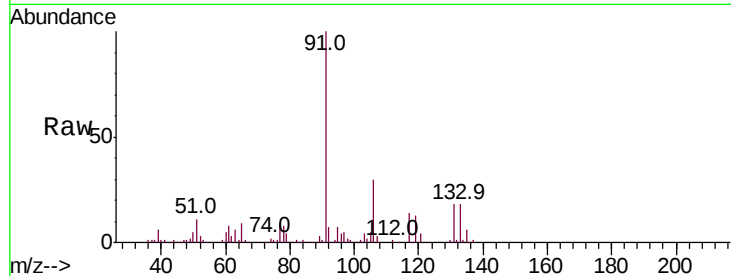
#67
Ethyl Benzene
Concen: 9.779 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 399583
Ion Ratio Lower Upper
91 100
106 30.4 24.1 36.1

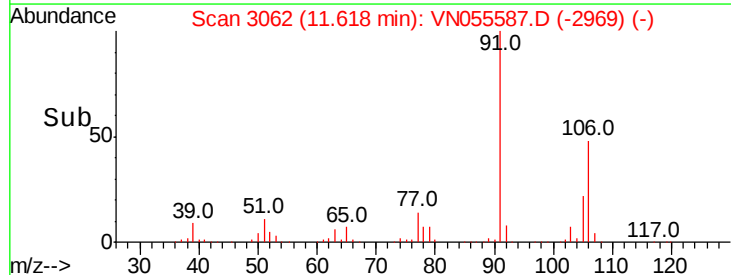
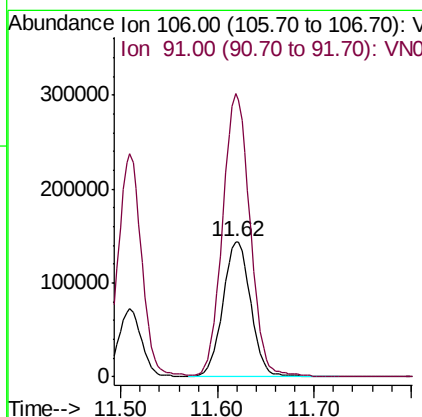
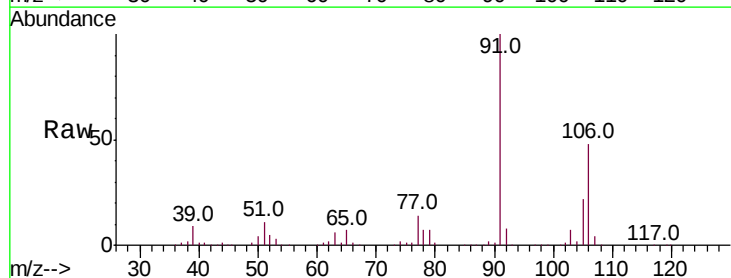
Manual Integrations
APPROVED

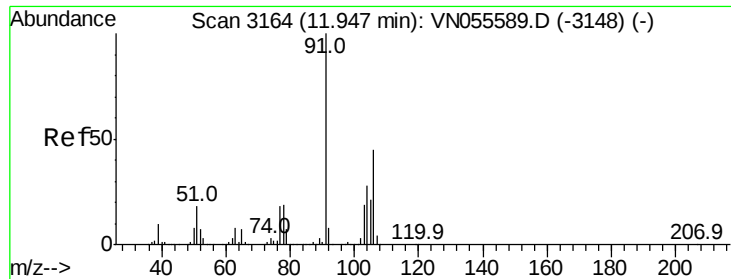
MMDadoda
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#68
m/p-Xylenes
Concen: 19.655 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion: 106 Resp: 289030
Ion Ratio Lower Upper
106 100
91 206.2 167.5 251.3





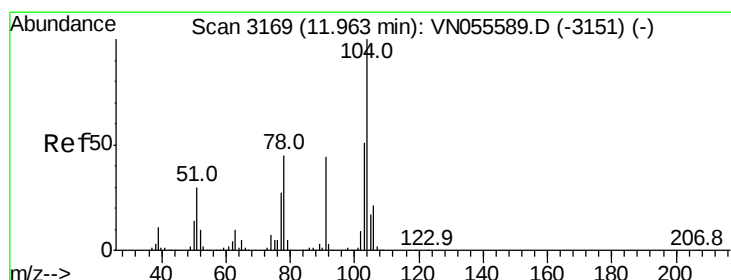
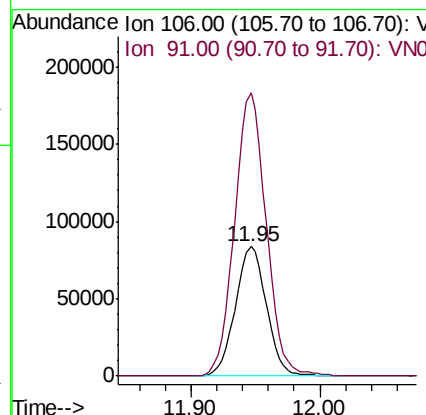
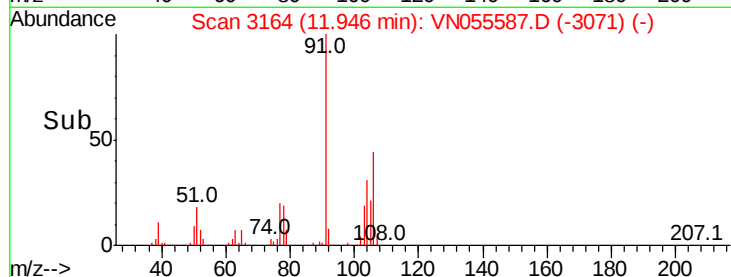
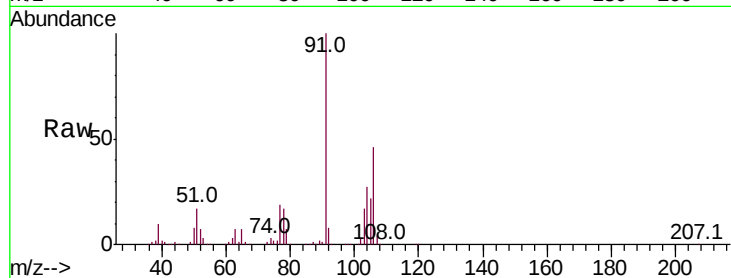
#69
o-Xylene
Concen: 9.738 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.2	110.2	330.6

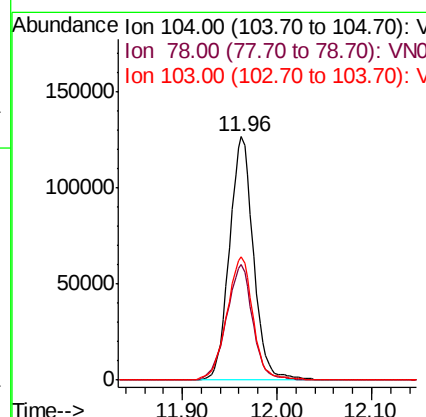
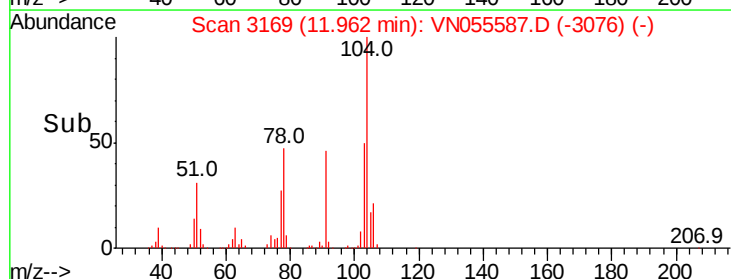
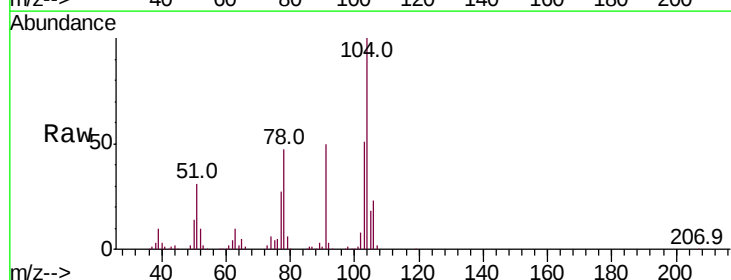
Manual Integrations
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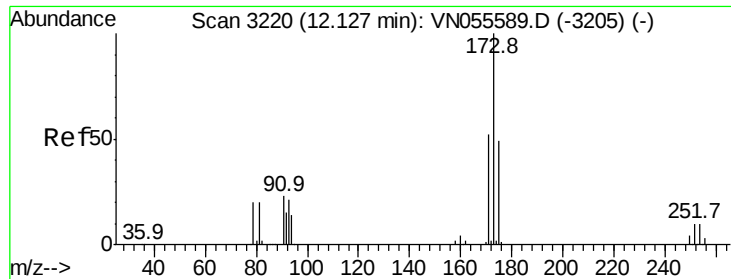
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#70
Styrene
Concen: 9.692 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.8	40.8	61.2
103	55.0	44.6	67.0





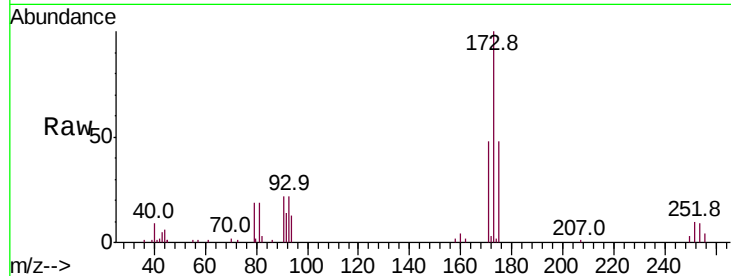
#71
Bromoform
Concen: 9.651 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

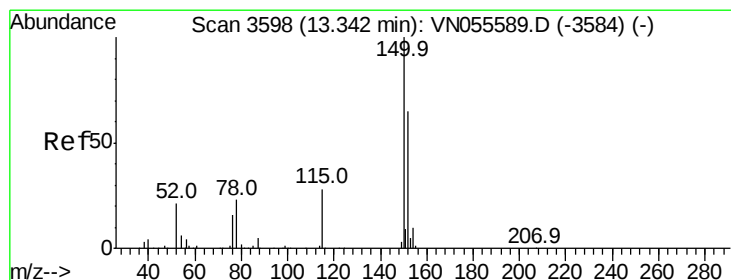
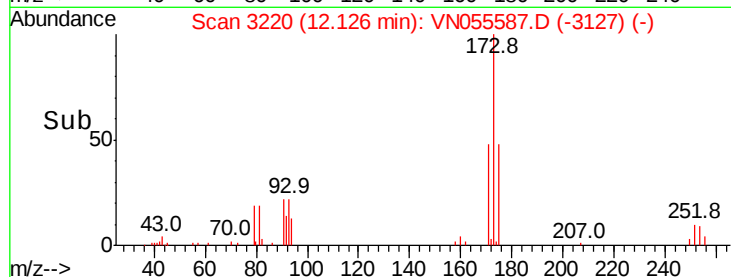
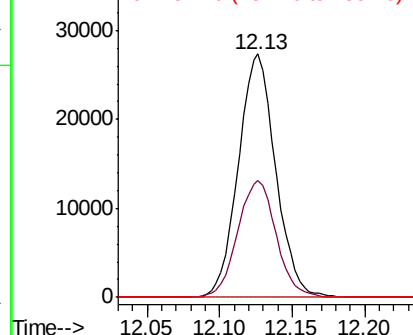
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.4	73.4
254	0.0	0.1	0.1#

Manual Integrations
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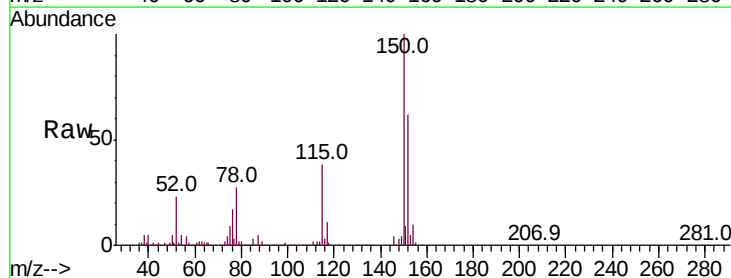


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

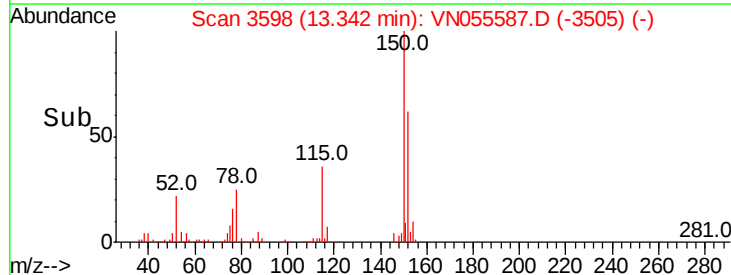
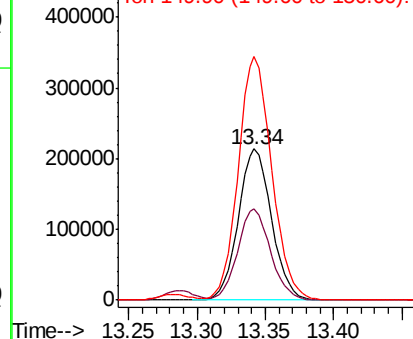


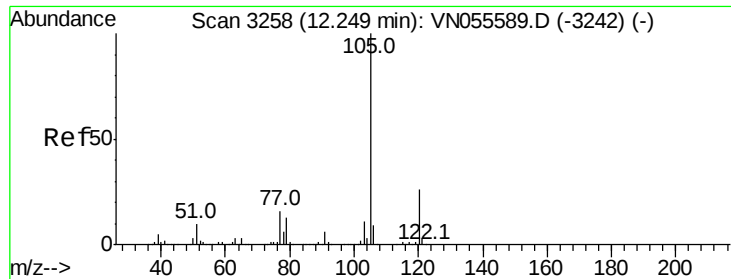
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	29.8	89.4
150	161.9	0.0	346.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





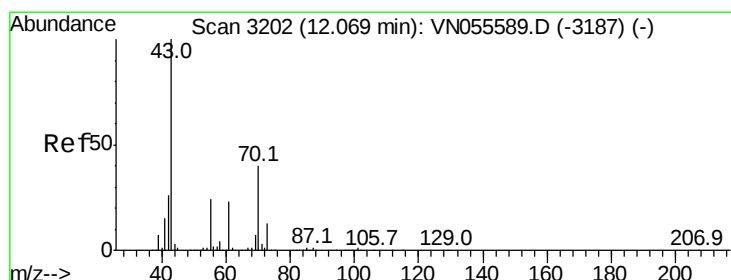
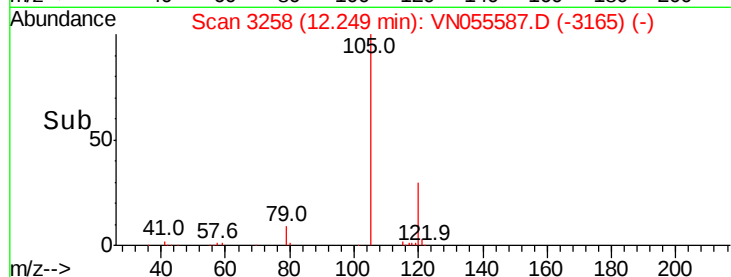
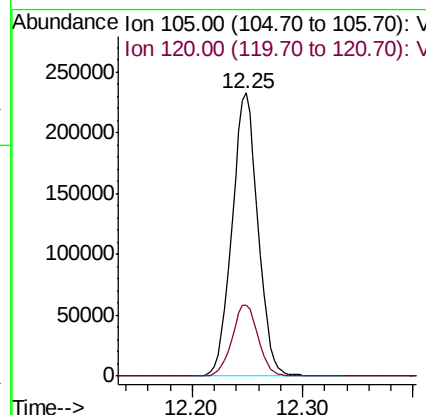
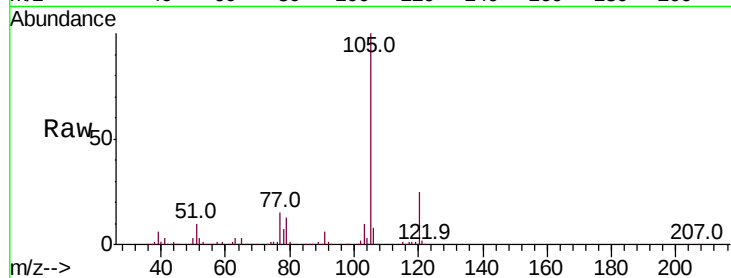
#73
Isopropylbenzene
Concen: 10.721 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.0	39.0

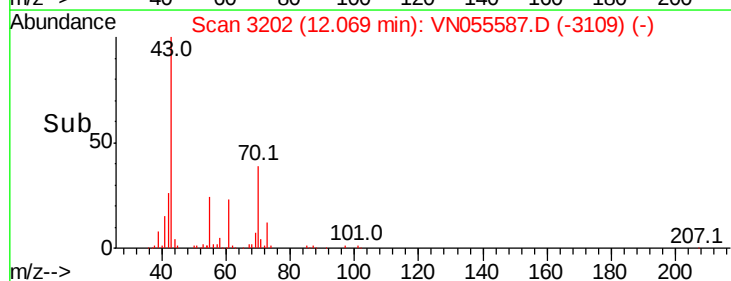
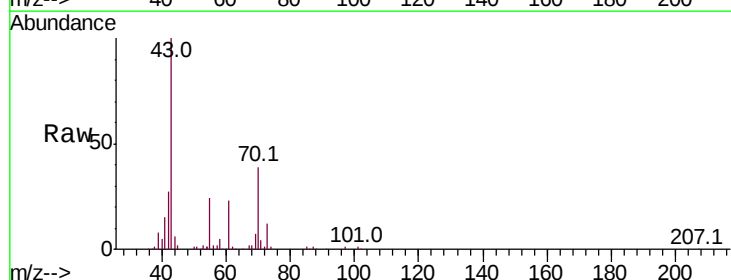
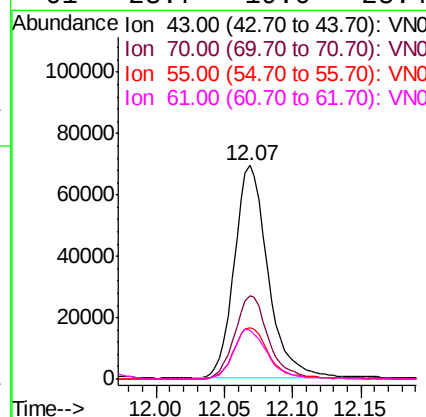
Manual Integrations
APPROVED

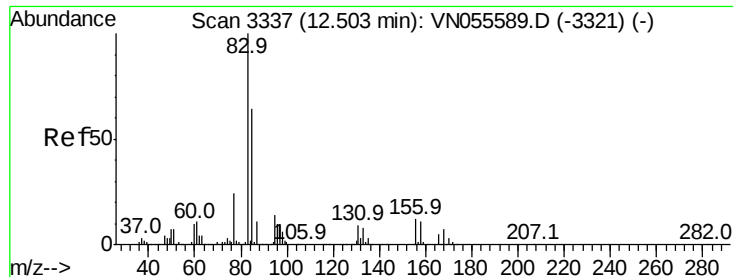
MMDadoda
5/16/2019 1:27:49 PM



#74
N-ethyl acetate
Concen: 8.894 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.3	31.8	47.6
55	25.5	19.7	29.5
61	23.7	19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 10.393 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

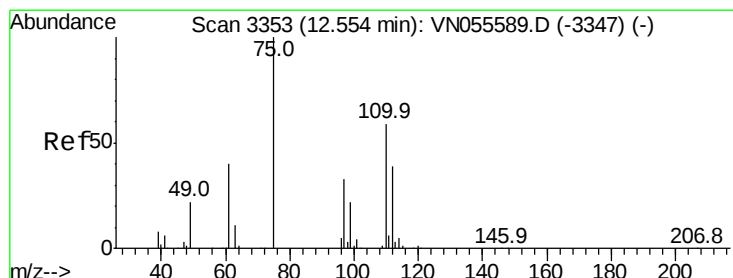
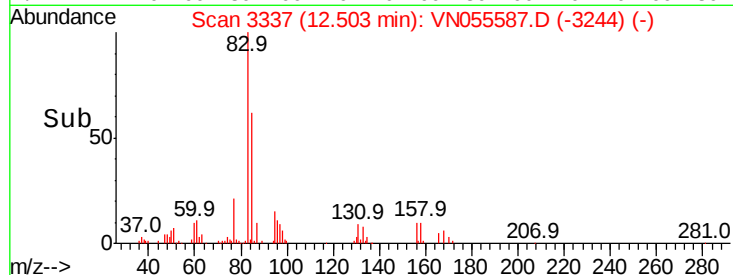
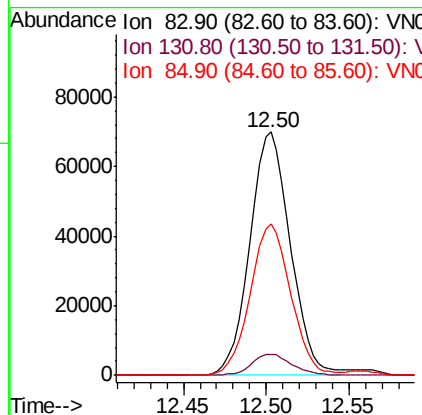
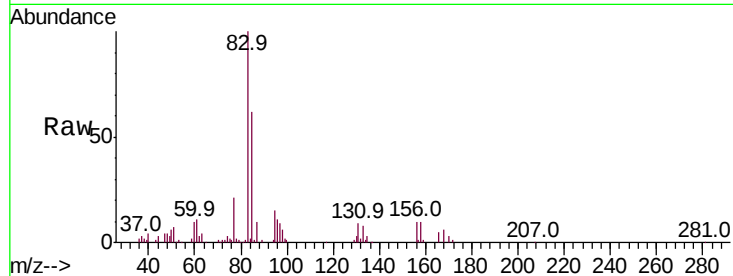
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	118810
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.6	13.8
85	62.4	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 10.714 ug/l m

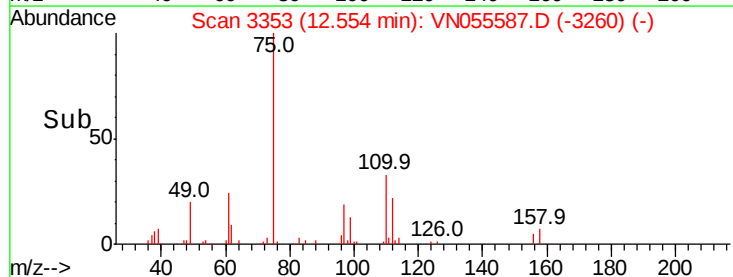
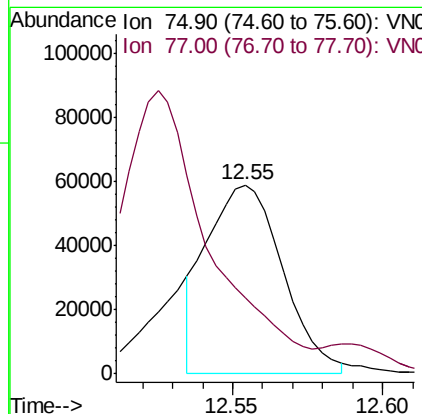
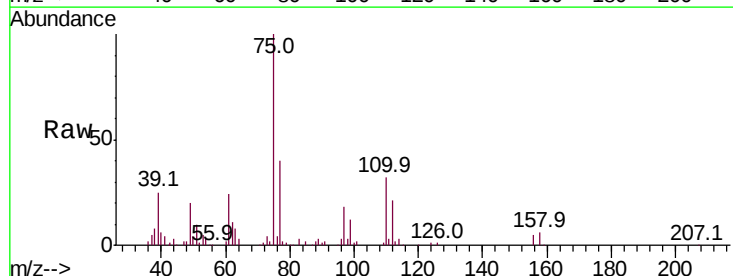
RT: 12.55 min Scan# 3353

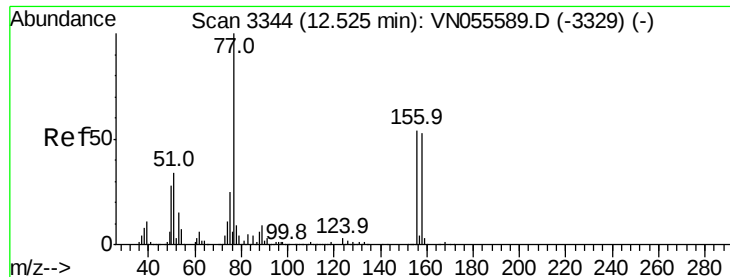
Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Tgt Ion:	75	Resp:	103480
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





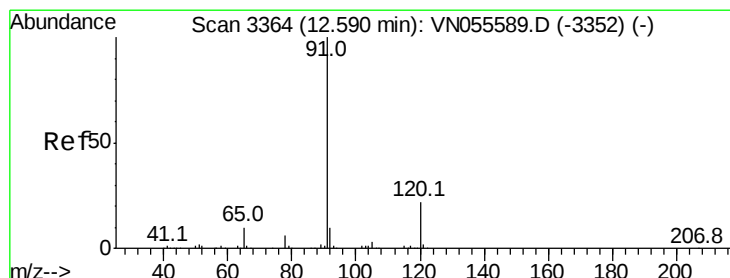
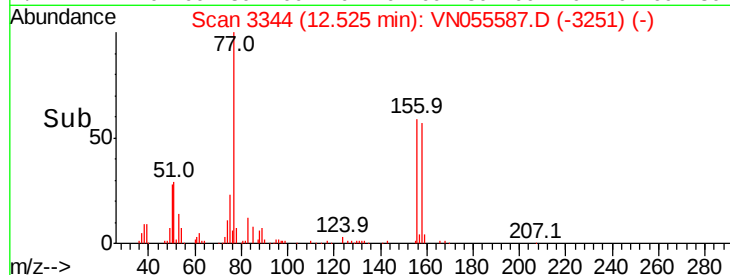
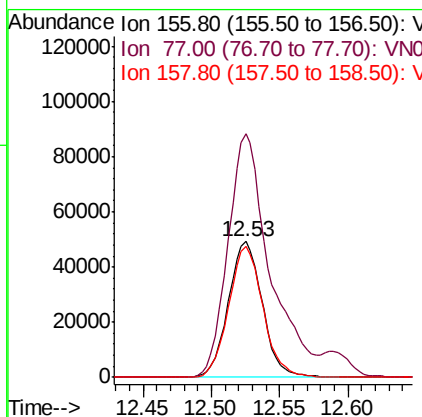
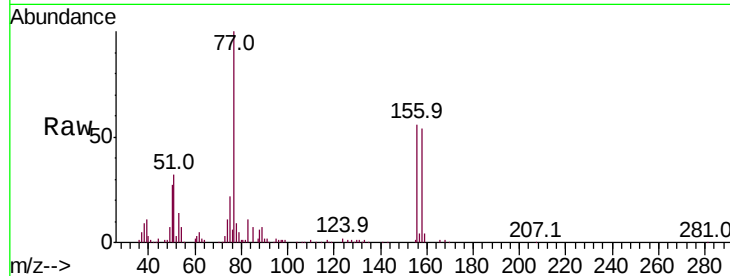
#77
Bromobenzene
Concen: 10.685 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
156	100		
77	220.7	108.9	326.7
158	97.5	48.1	144.3

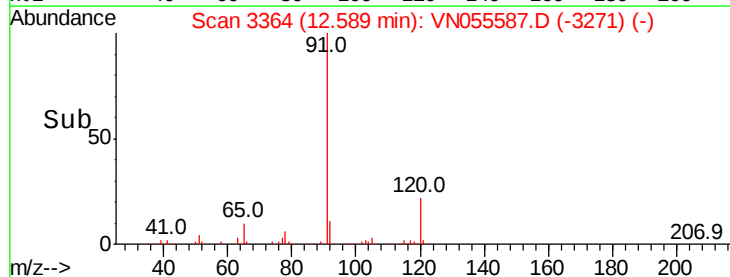
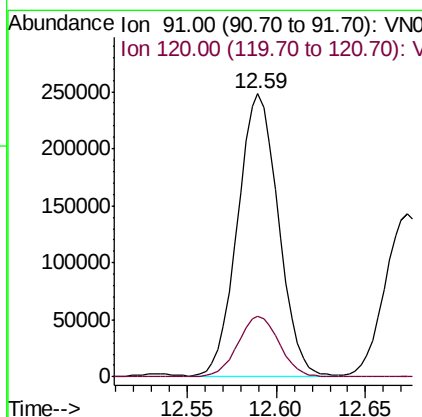
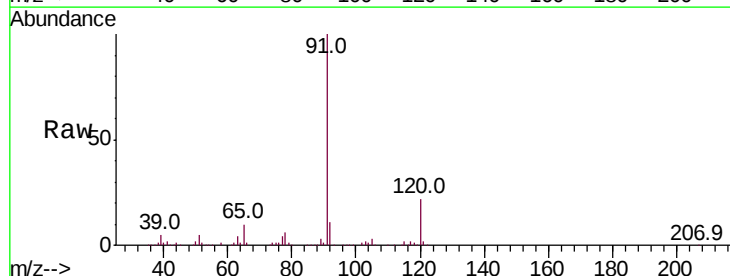
Manual Integrations
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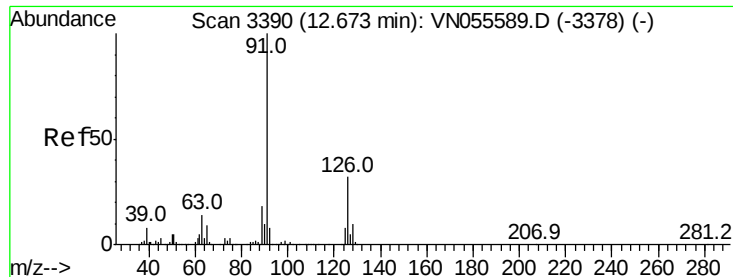
MMDadoda
5/16/2019 1:27:49 PM



#78
n-propylbenzene
Concen: 10.232 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.0	33.0





#79

2-Chlorotoluene

Concen: 10.278 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 246174

Ion Ratio Lower Upper

91 100

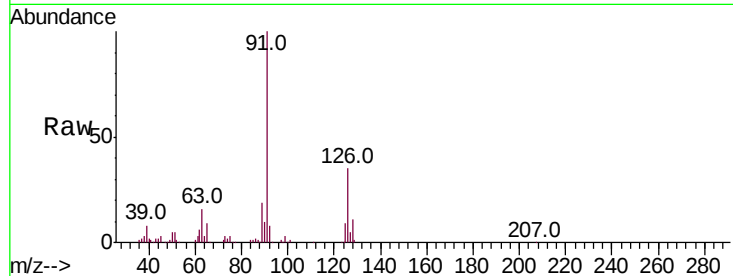
126 34.7 16.6 49.7

Manual Integrations

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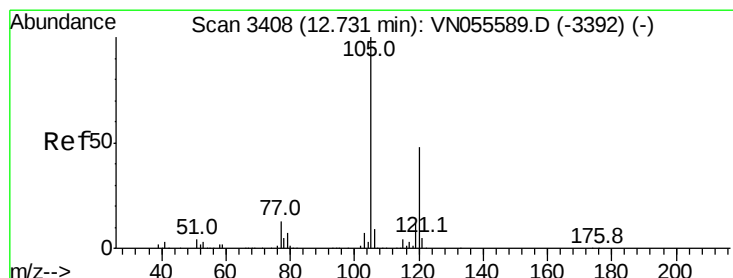
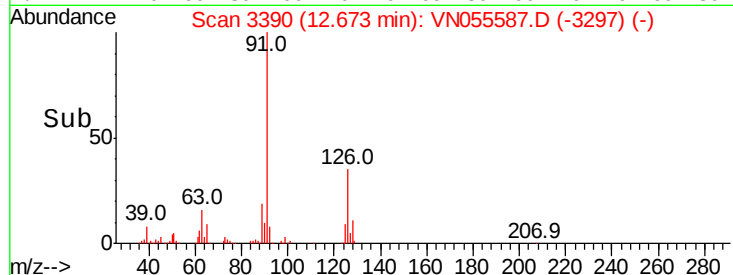
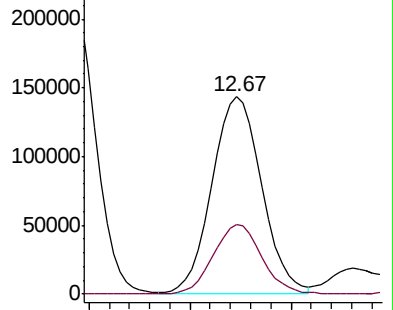
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Abundance Ion 91.00 (90.70 to 91.70): VN055589.D (-3378) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 10.196 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055587.D

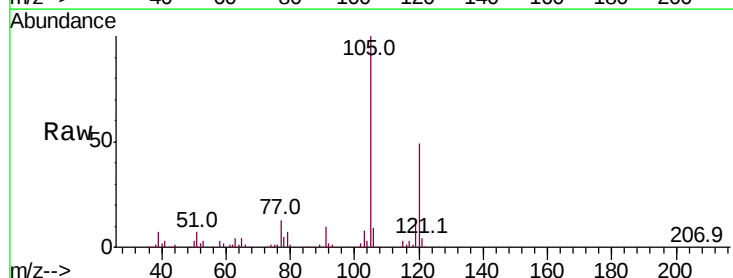
Acq: 14 May 2019 11:57

Tgt Ion: 105 Resp: 292196

Ion Ratio Lower Upper

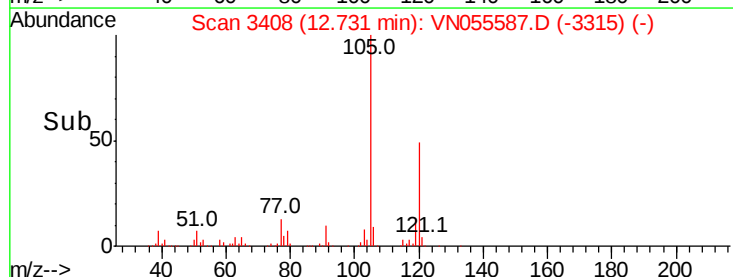
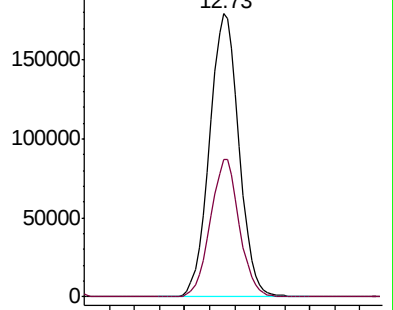
105 100

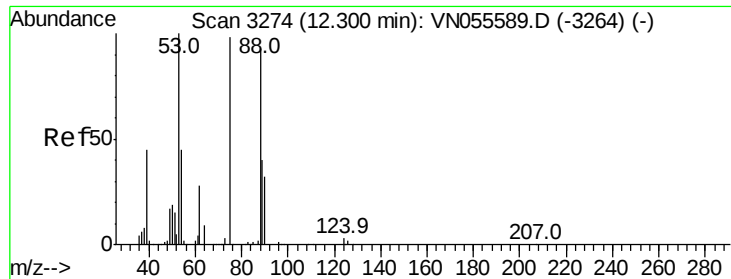
120 47.8 23.8 71.2



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

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





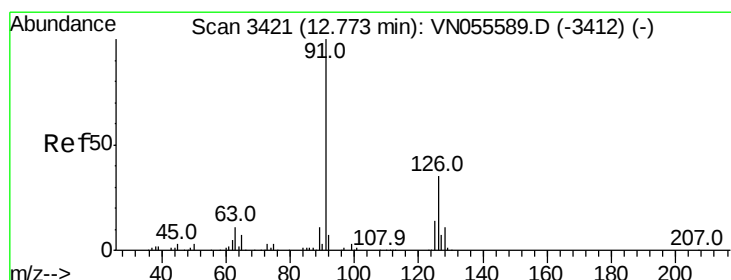
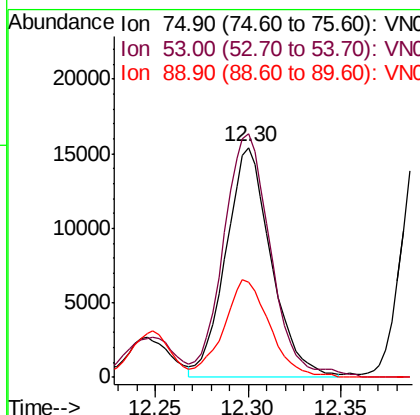
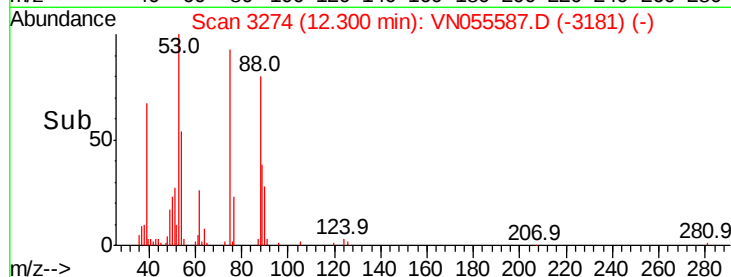
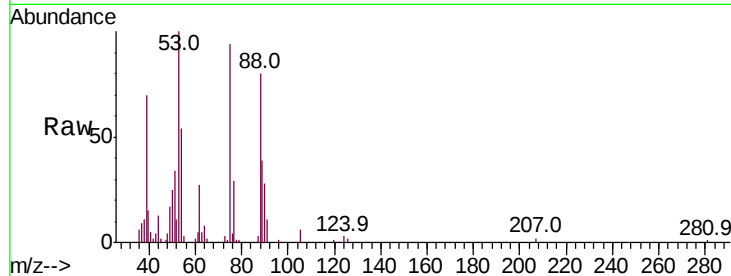
#81
trans-1,4-Dichloro-2-butene
Concen: 10.078 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.8	83.9	125.9
89	43.0	34.7	52.1

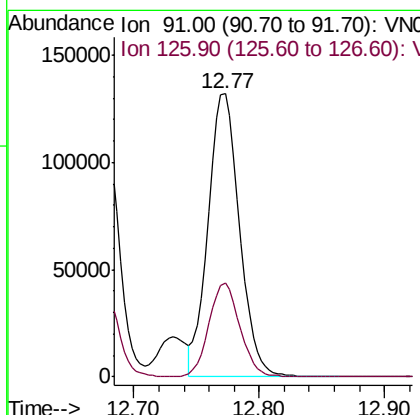
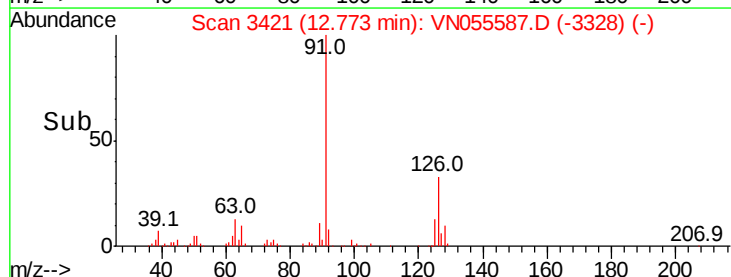
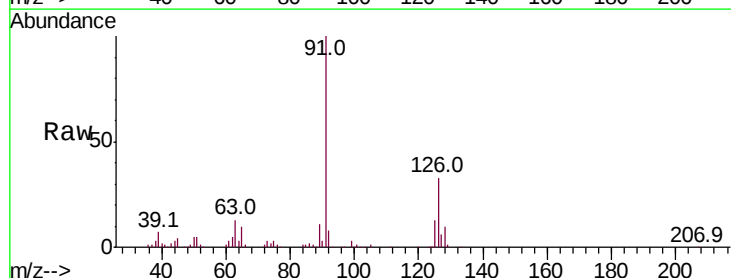
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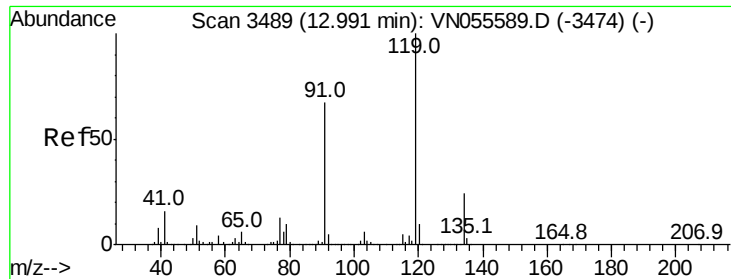
MMDadoda
5/16/2019 1:27:49 PM



#82
4-Chlorotoluene
Concen: 10.117 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.2	48.6





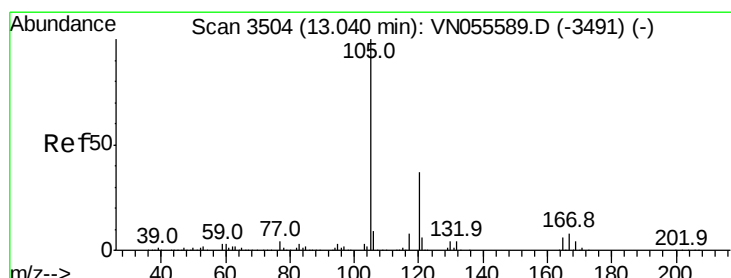
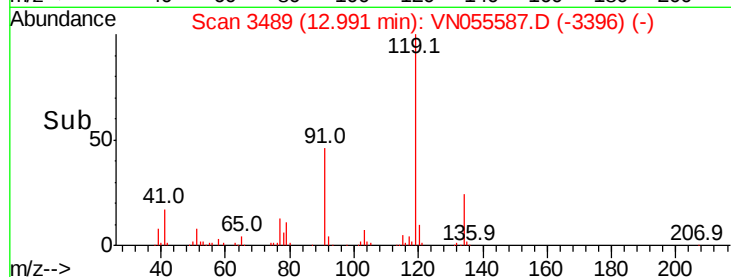
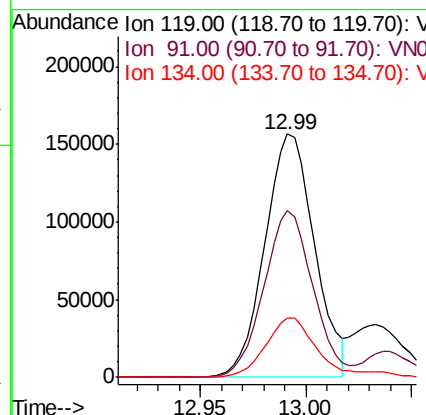
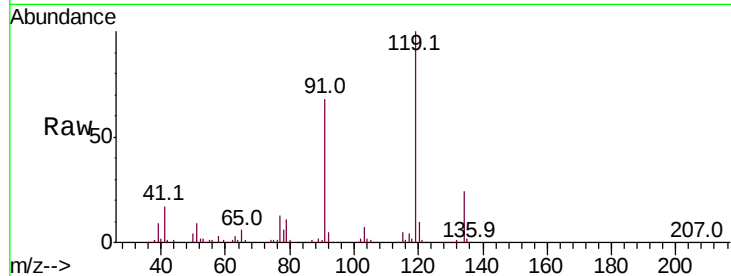
#83
tert-Butylbenzene
Concen: 10.464 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	256757		
91	67.4	33.5	100.4	
134	26.0	12.7	38.1	

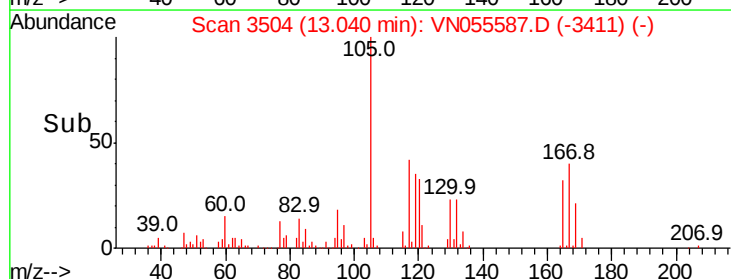
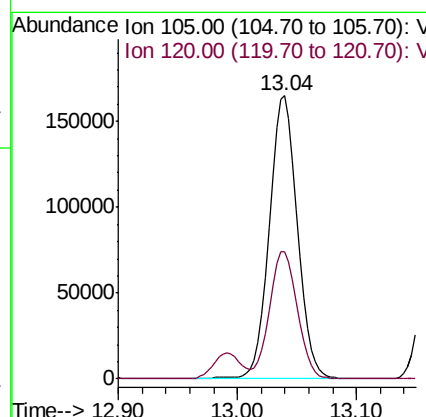
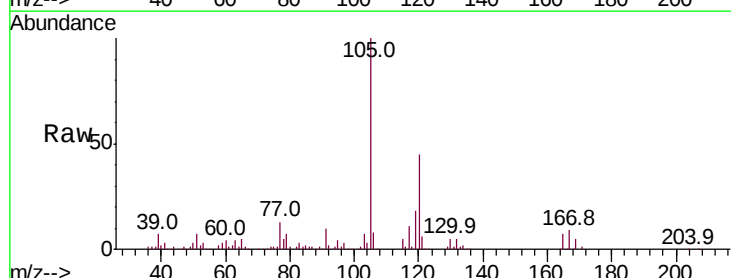
Manual Integrations
APPROVED

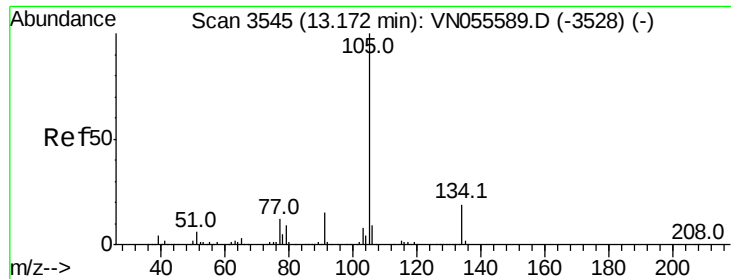
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 10.245 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	269195		
120	44.9	22.2	66.6	





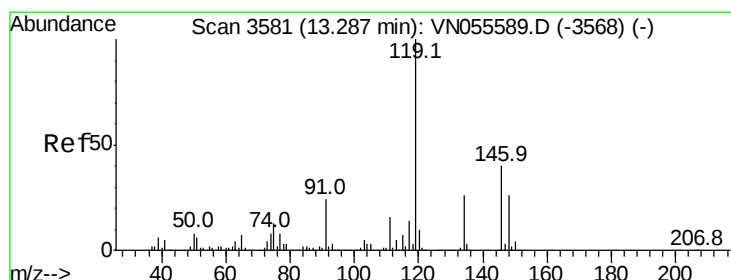
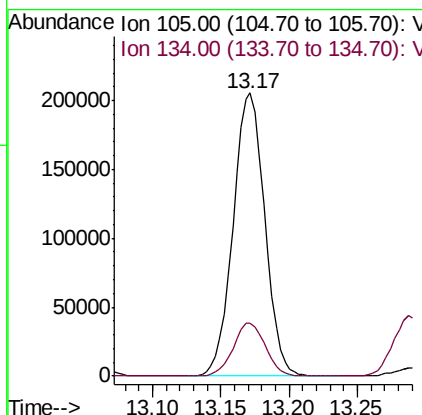
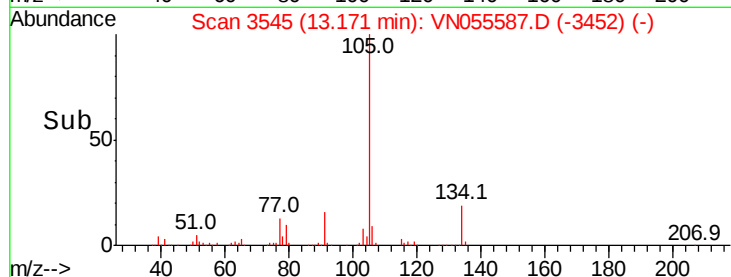
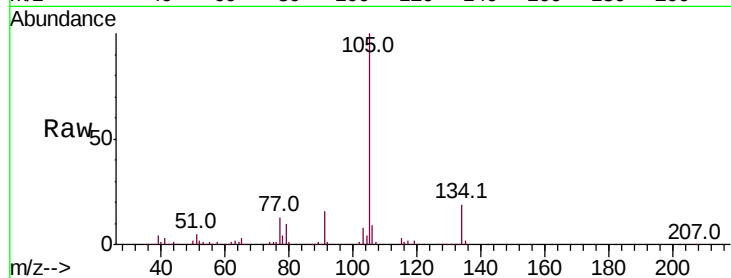
#85
 sec-Butylbenzene
 Concen: 10.158 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
105	100	330831		
134	19.0	9.7	29.1	

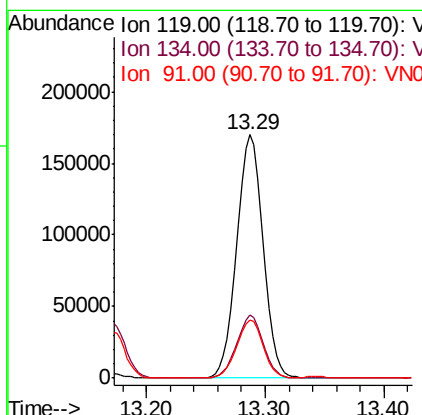
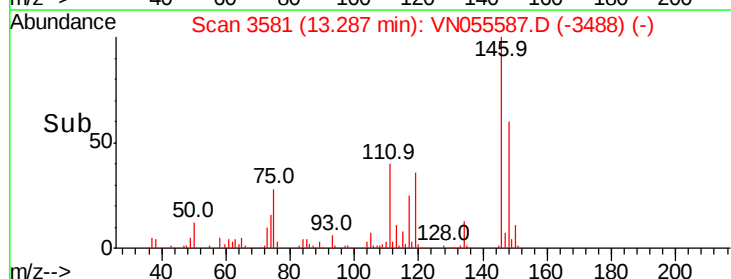
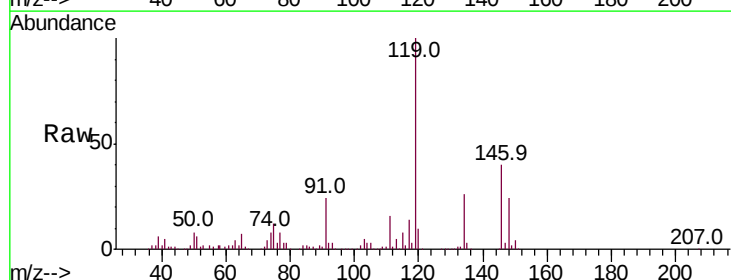
Manual Integrations
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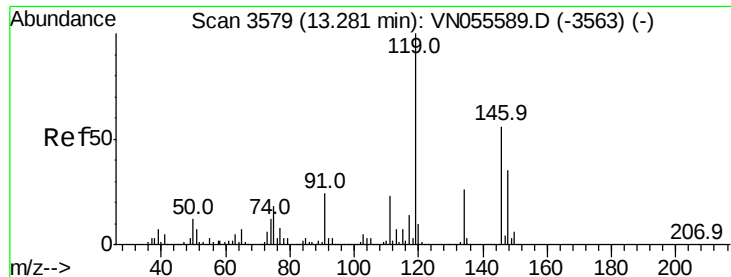
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 5/16/2019 1:27:49 PM



#86
 p-Isopropyltoluene
 Concen: 9.871 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	261593		
134	25.9	13.0	39.0	
91	24.3	11.9	35.5	





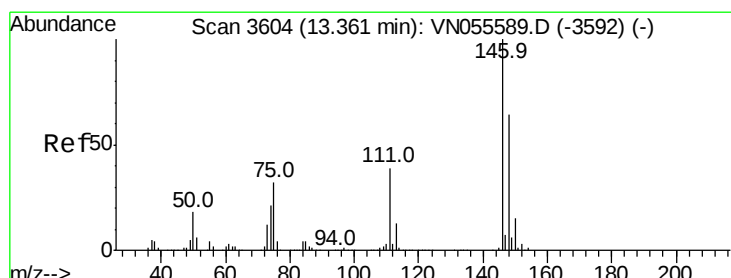
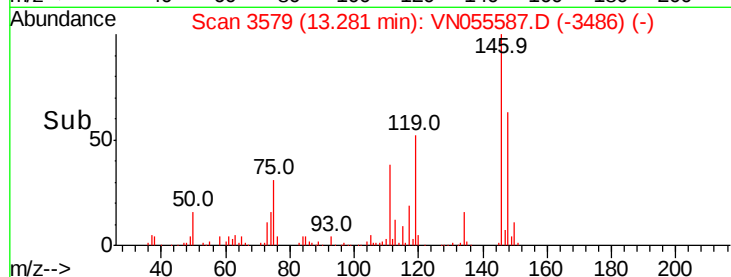
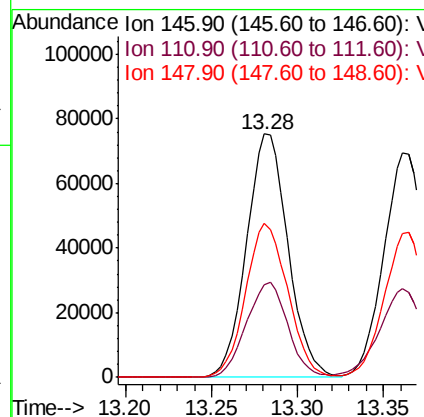
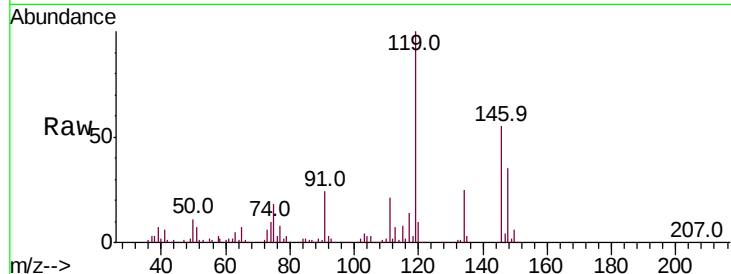
#87
 1,3-Dichlorobenzene
 Concen: 10.334 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
146	100	126479		
111	38.8	20.5	61.5	
148	64.2	32.3	96.9	

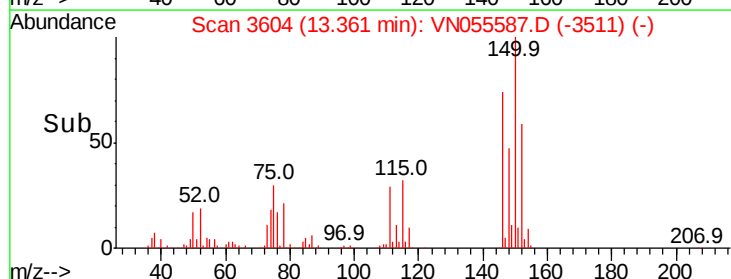
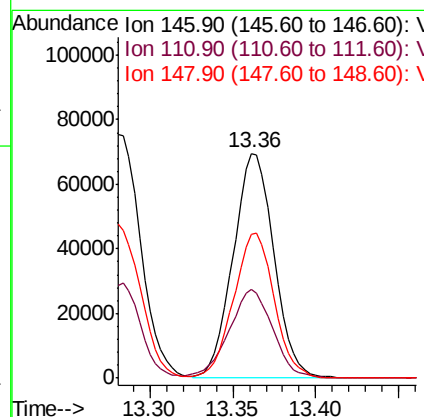
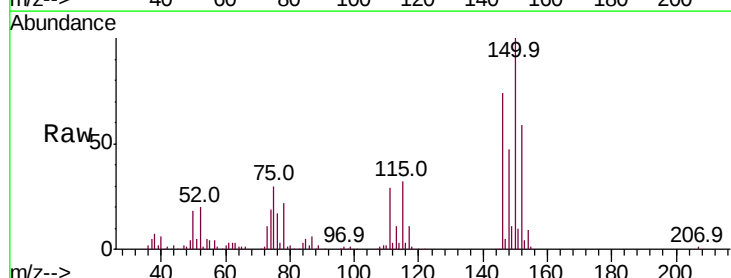
Manual Integrations
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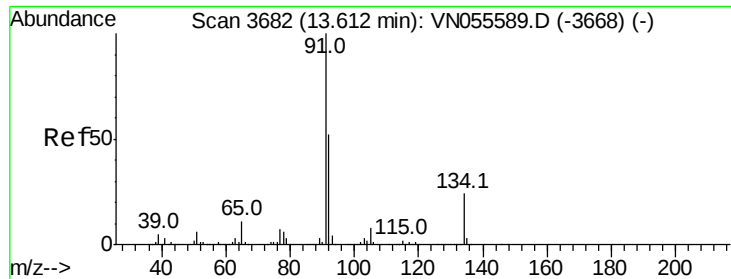
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#88
 1,4-Dichlorobenzene
 Concen: 9.803 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	118547		
111	42.8	19.7	59.0	
148	65.0	31.8	95.4	





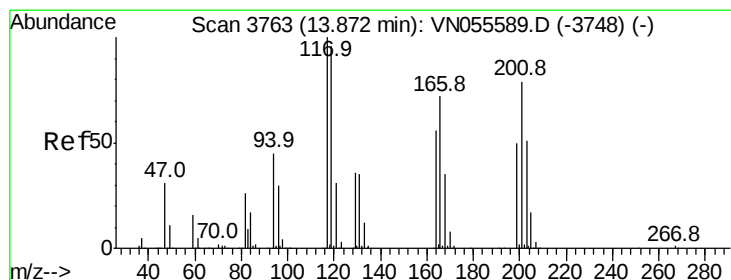
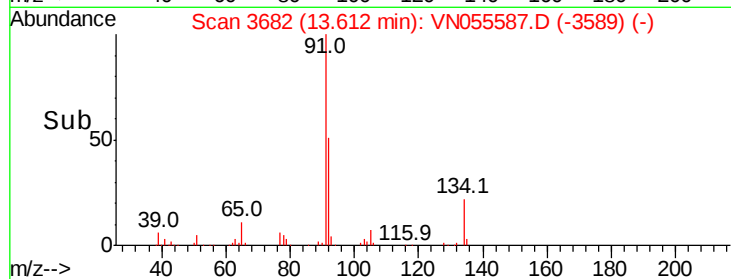
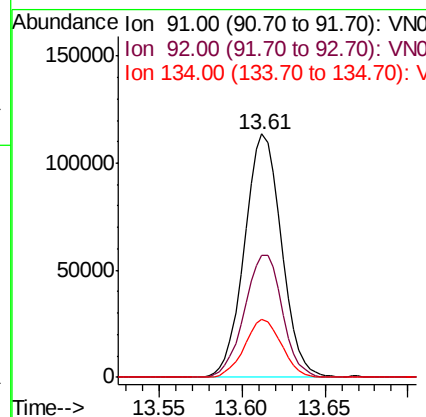
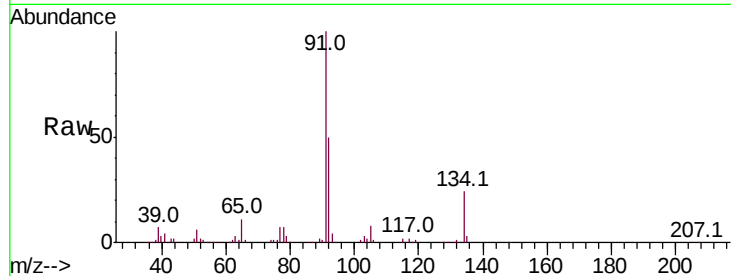
#89
n-Butylbenzene
Concen: 8.693 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.9	77.8
134	23.9	12.2	36.4

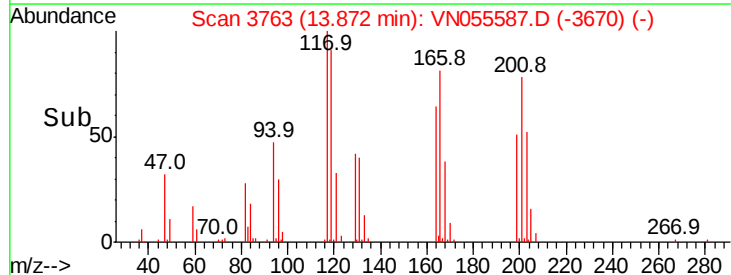
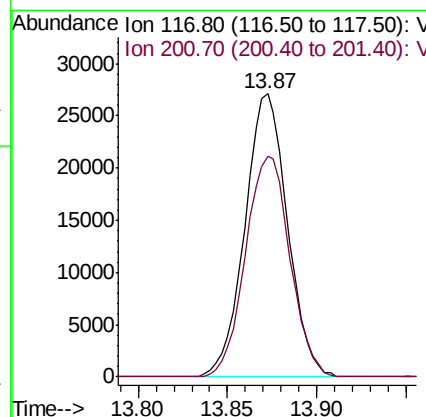
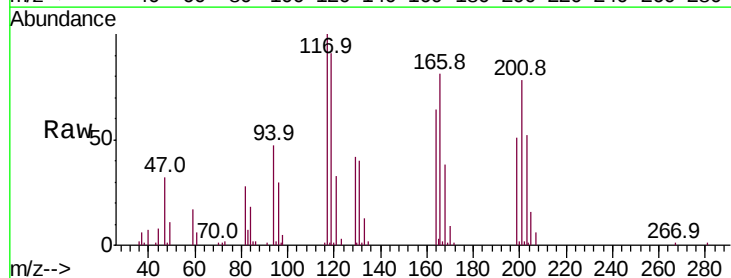
Manual Integrations
APPROVED

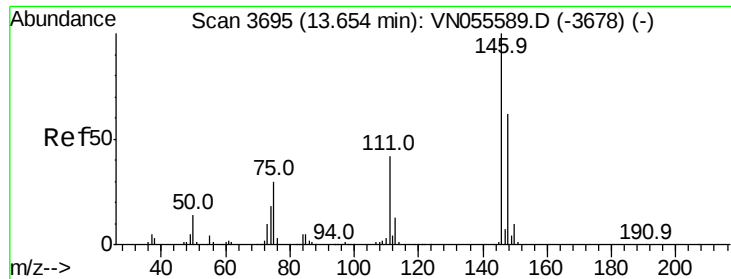
MMDadoda
5/16/2019 1:27:49 PM



#90
Hexachloroethane
Concen: 10.414 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.4	40.6	121.8





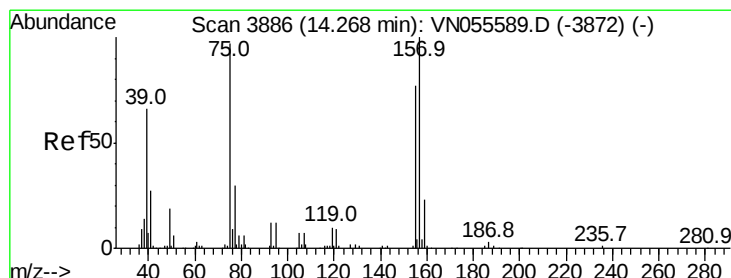
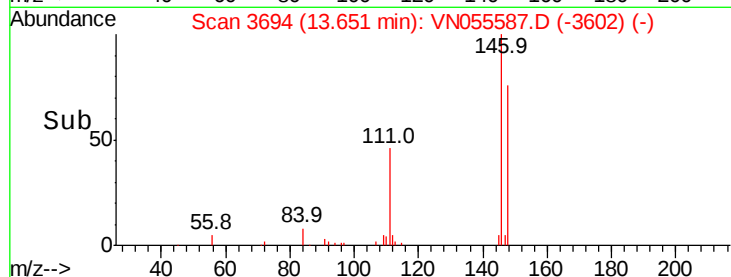
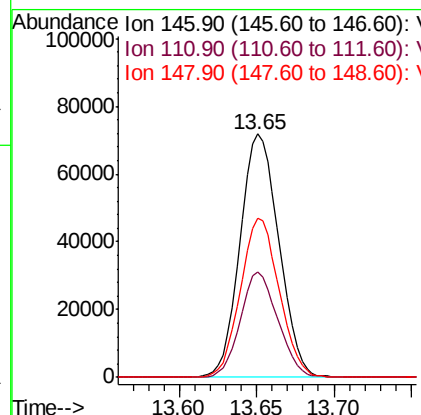
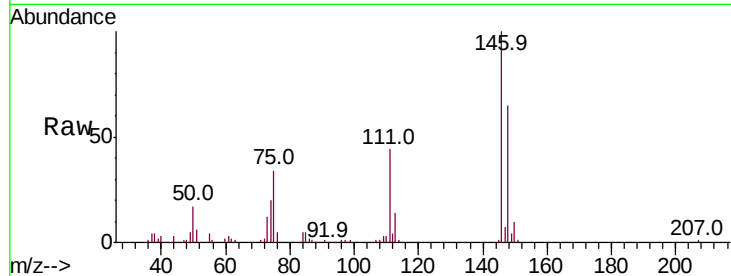
#91
 1,2-Dichlorobenzene
 Concen: 10.221 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.9	21.0	63.0	
148	65.1	31.3	93.9	

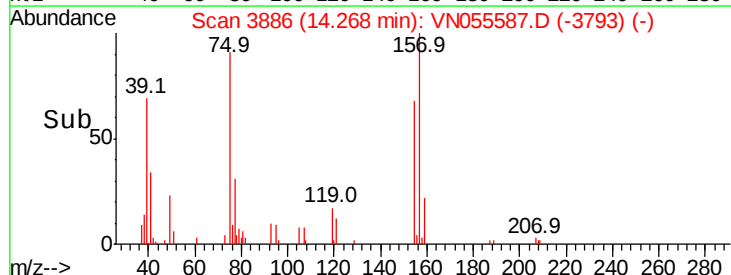
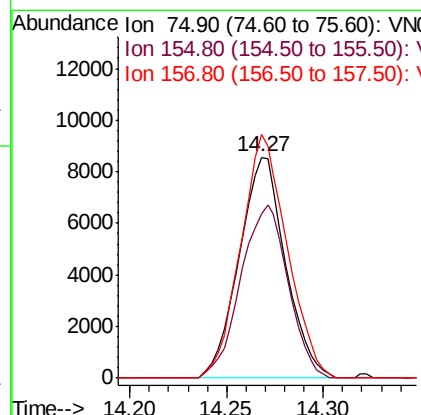
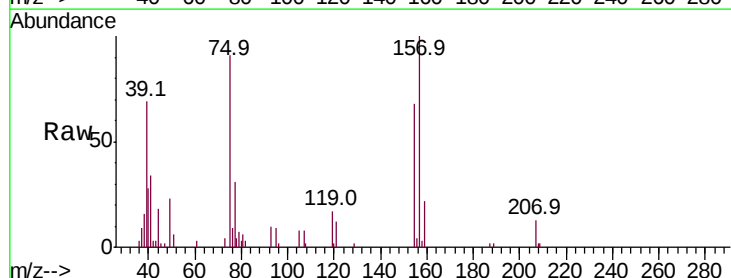
Manual Integrations
 APPROVED

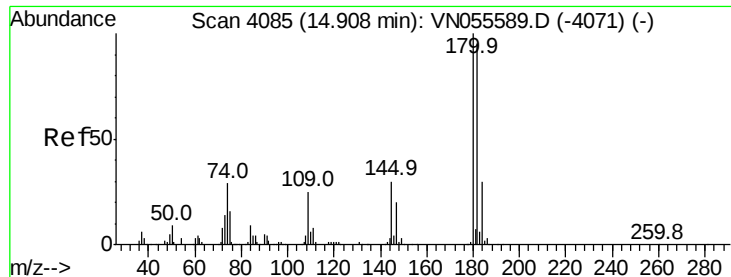
MMDadoda
 5/16/2019 1:27:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.805 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	79.8	40.4	121.1	
157	110.0	52.1	156.4	





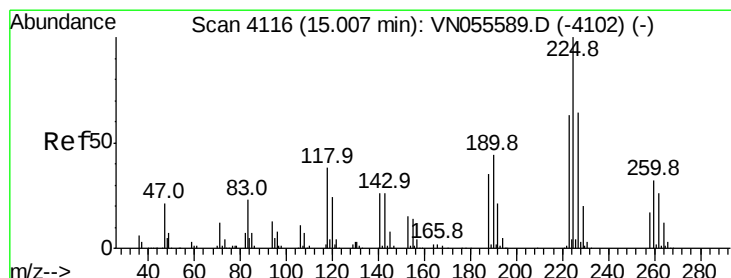
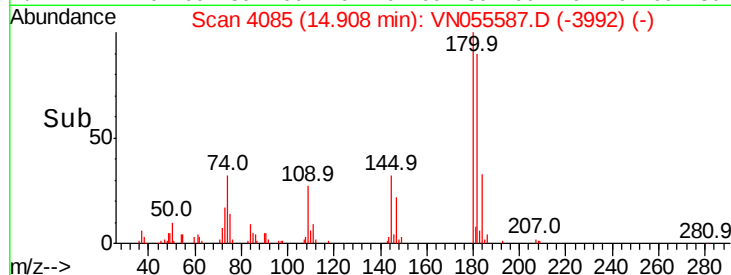
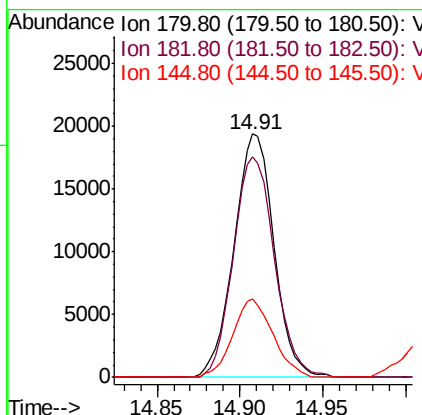
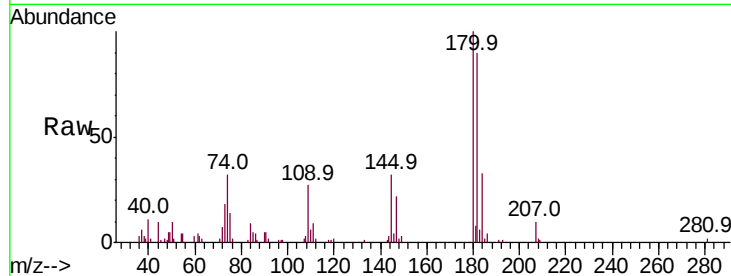
#93
 1,2,4-Trichlorobenzene
 Concen: 7.846 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.4	142.3
145	32.3	14.9	44.7

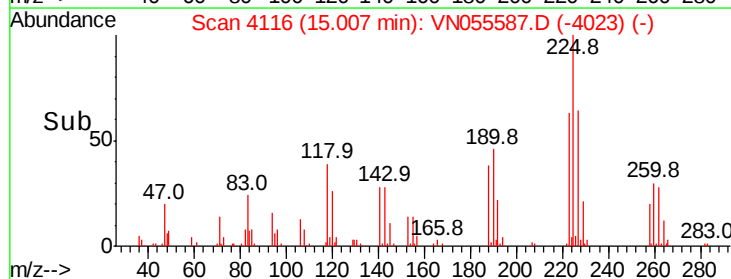
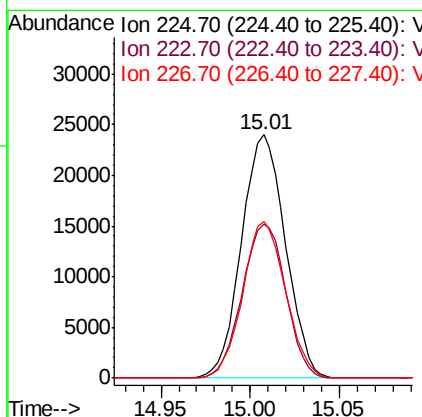
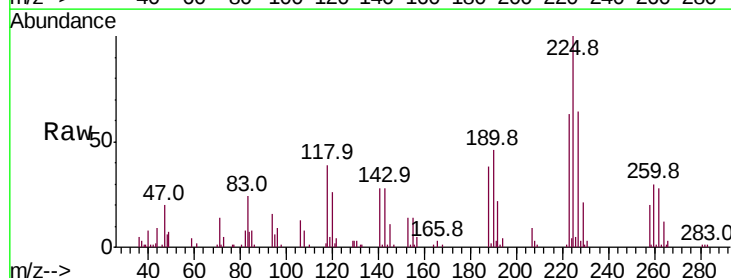
Manual Integrations
 APPROVED

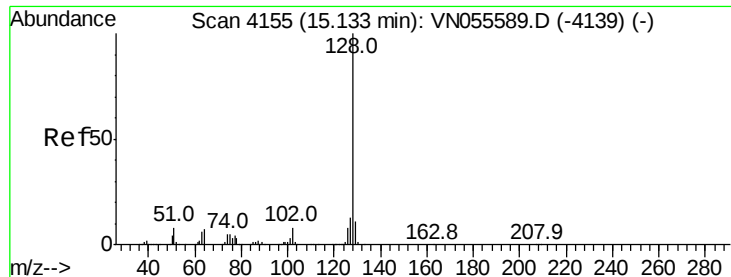
MMDadoda
 5/16/2019 1:27:49 PM



#94
 Hexachlorobutadiene
 Concen: 9.396 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.6	95.0
227	62.6	32.4	97.0





#95

Naphthalene

Concen: 7.965 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

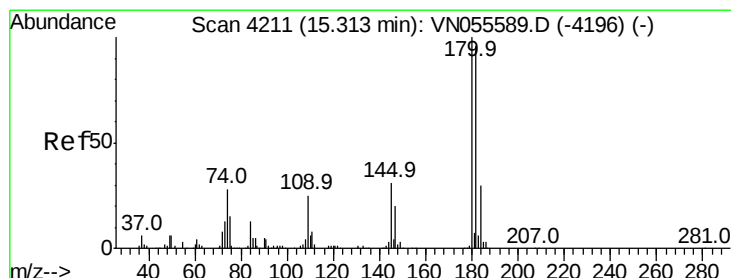
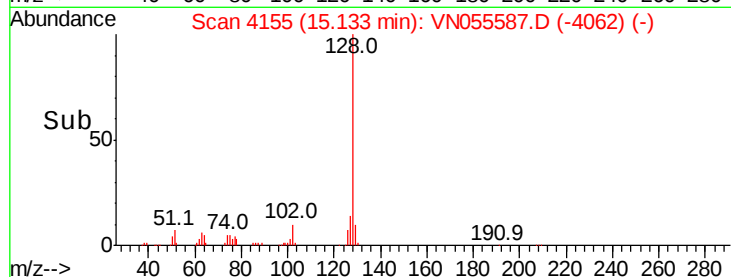
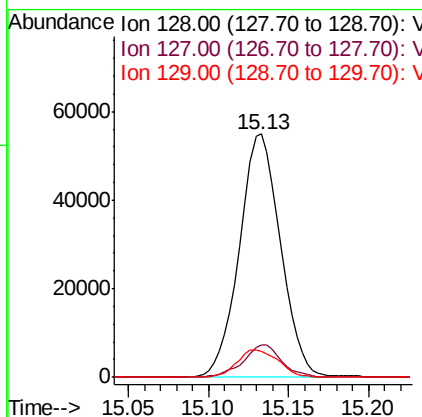
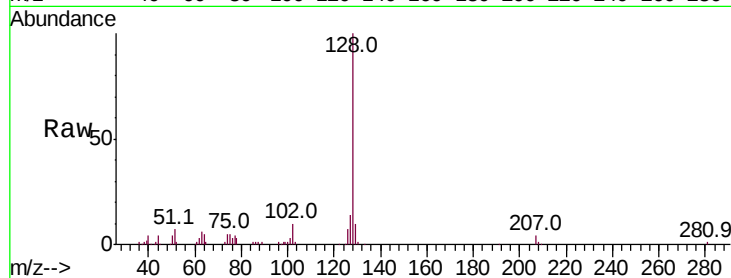
ClientSampleId :

VSTDIC010

Tot Ion:	128	Resp:	96411
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.4	15.6
129	11.4	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/16/2019 1:27:49 PM



#96

1,2,3-Trichlorobenzene

Concen: 7.759 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Tgt Ion:	180	Resp:	37680
Ion Ratio	Lower	Upper	
180	100		
182	98.0	47.9	143.6
145	31.3	15.6	46.7

