

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055190.D
 Acq On : 22 Apr 2019 19:00
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 4/23/2019 1:47:38 PM

Quant Time: Apr 23 06:37:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	417101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	677931	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	587263	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	247691	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	288500	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
35) Dibromofluoromethane	7.59	113	227948	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	10.09	98	849413	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.40	95	278471	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	287464	53.528	ug/l	98
3) Chloromethane	2.06	50	339349	51.568	ug/l	99
4) Vinyl Chloride	2.19	62	267917	50.809	ug/l	99
5) Bromomethane	2.55	94	140469	45.935	ug/l	98
6) Chloroethane	2.70	64	140513	50.559	ug/l	92
7) Trichlorofluoromethane	3.02	101	361451	50.371	ug/l	97
8) Diethyl Ether	3.41	74	135204	52.789	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	216306	48.307	ug/l	100
10) Methyl Iodide	3.95	142	336045	53.517	ug/l	99
11) Tert butyl alcohol	4.79	59	94639	287.136	ug/l	98
12) 1,1-Dichloroethene	3.74	96	217394	50.660	ug/l	98
13) Acrolein	3.61	56	142810	287.558	ug/l	99
14) Allyl chloride	4.33	41	437145	51.530	ug/l	99
15) Acrylonitrile	4.99	53	495206	273.958	ug/l	99
16) Acetone	3.82	43	384412	205.973	ug/l	98
17) Carbon Disulfide	4.06	76	612065	51.018	ug/l	100
18) Methyl Acetate	4.33	43	221111	55.253	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	637791	53.756	ug/l	98
20) Methylene Chloride	4.55	84	255026	47.532	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	230397	51.200	ug/l	98
22) Diisopropyl ether	5.95	45	882353	52.180	ug/l	99
23) Vinyl Acetate	5.90	43	3257263	286.646	ug/l	99
24) 1,1-Dichloroethane	5.85	63	456905	50.234	ug/l	99
25) 2-Butanone	6.84	43	606320	251.639	ug/l	99
26) 2,2-Dichloropropane	6.83	77	288001	46.791	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	261930	50.495	ug/l	99
28) Bromochloromethane	7.19	49	234839	50.650	ug/l	100
29) Tetrahydrofuran	7.21	42	412164	278.215	ug/l	100
30) Chloroform	7.37	83	429509	49.643	ug/l	98
31) Cyclohexane	7.65	56	437660	51.434	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	360078	51.804	ug/l	100
36) 1,1-Dichloropropene	7.79	75	326949	51.961	ug/l	99
37) Ethyl Acetate	6.93	43	267703	52.718	ug/l	99
38) Carbon Tetrachloride	7.78	117	306852	52.077	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	360304	47.999	ug/l	99
40) Benzene	8.04	78	989241	50.930	ug/l	99
41) Methacrylonitrile	7.17	41	111625	41.928	ug/l #	75
42) 1,2-Dichloroethane	8.12	62	340733	50.283	ug/l	100
43) Isopropyl Acetate	8.17	43	468424	56.965	ug/l	99
44) Trichloroethene	8.83	130	245656	50.038	ug/l	100
45) 1,2-Dichloropropane	9.12	63	278167	50.734	ug/l	98
46) Dibromomethane	9.21	93	157904	50.309	ug/l	99
47) Bromodichloromethane	9.40	83	327265	52.085	ug/l	99
48) Methyl methacrylate	9.20	41	215588	54.048	ug/l	97
49) 1,4-Dioxane	9.20	88	47963	1041.230	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1292329	273.116	ug/l	99
52) Toluene	10.16	92	579002	50.848	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	321898	55.824	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	378679	52.920	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	217697	51.857	ug/l	98
56) Ethyl methacrylate	10.43	69	297822	56.949	ug/l	99
57) 1,3-Dichloropropane	10.71	76	381821	52.276	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	490374	243.650	ug/l	99
59) 2-Hexanone	10.75	43	814947	272.665	ug/l	99
60) Dibromochloromethane	10.90	129	229071	52.976	ug/l	99
61) 1,2-Dibromoethane	11.00	107	212346	53.800	ug/l	99
64) Tetrachloroethene	10.63	164	231307	48.282	ug/l	99
65) Chlorobenzene	11.43	112	581129	48.481	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	226321	50.943	ug/l	99
67) Ethyl Benzene	11.51	91	1080890	50.622	ug/l	99
68) m/p-Xylenes	11.62	106	793116	103.565	ug/l	98
69) o-Xylene	11.95	106	386130	50.807	ug/l	99
70) Styrene	11.96	104	641986	54.496	ug/l	99
71) Bromoform	12.13	173	145921	55.041	ug/l #	98
73) Isopropylbenzene	12.25	105	1026118	51.631	ug/l	100
74) N-amyl acetate	12.07	43	349647	54.752	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	274333	54.696	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	217869m	43.357	ug/l	
77) Bromobenzene	12.53	156	249559	45.639	ug/l	100
78) n-propylbenzene	12.59	91	1133789	45.643	ug/l	100
79) 2-Chlorotoluene	12.67	91	699076	44.569	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	849617	45.821	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	65456	49.380	ug/l	95
82) 4-Chlorotoluene	12.77	91	674791	46.758	ug/l	100
83) tert-Butylbenzene	12.99	119	717801	51.589	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	827131	47.270	ug/l	99
85) sec-Butylbenzene	13.17	105	921527	43.930	ug/l	100
86) p-Isopropyltoluene	13.29	119	803805	46.511	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	403766	48.101	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	393563	48.157	ug/l	98
89) n-Butylbenzene	13.61	91	638133	49.816	ug/l	98
90) Hexachloroethane	13.87	117	137251	44.780	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	404080	46.867	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38677	51.423	ug/l	99

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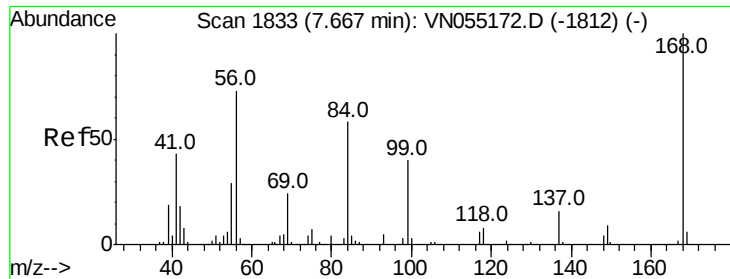
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	167316	46.157	ug/l	99
94) Hexachlorobutadiene	15.01	225	126524	50.433	ug/l	100
95) Naphthalene	15.13	128	367317	46.393	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	172879	47.883	ug/l	100

(#) = 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

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 417101

Ion Ratio Lower Upper

168 100

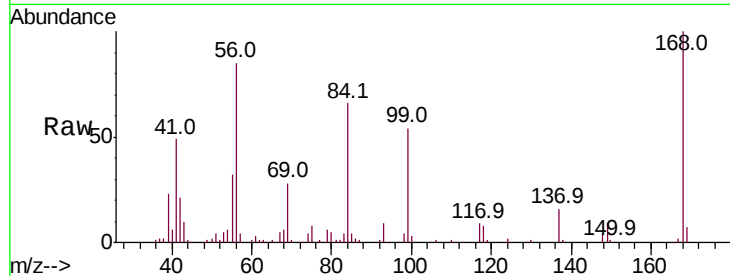
99 53.9 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN055172.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055172.D (-1812) (-)

7.66

150000

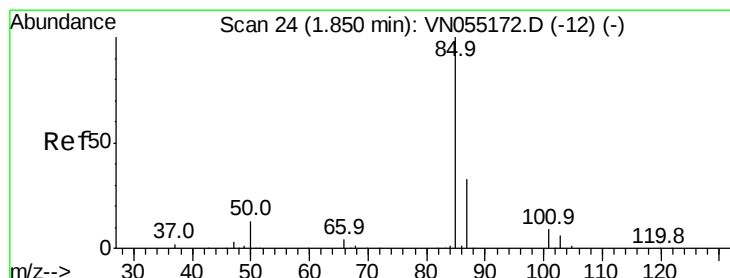
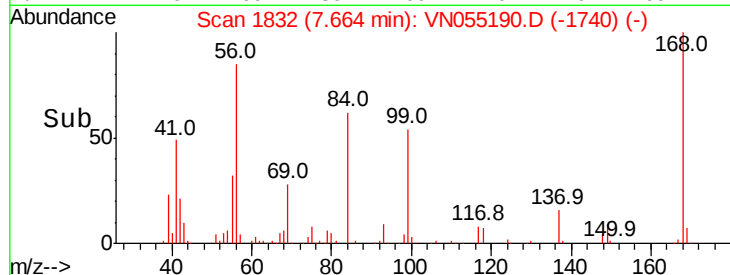
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 53.528 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055190.D

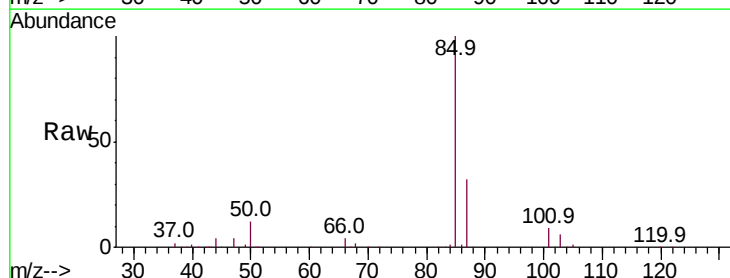
Acq: 22 Apr 2019 19:00

Tgt Ion: 85 Resp: 287464

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN055172.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN055172.D (-12) (-)

1.85

250000

200000

150000

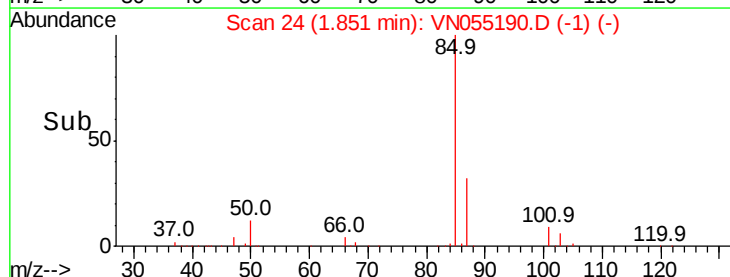
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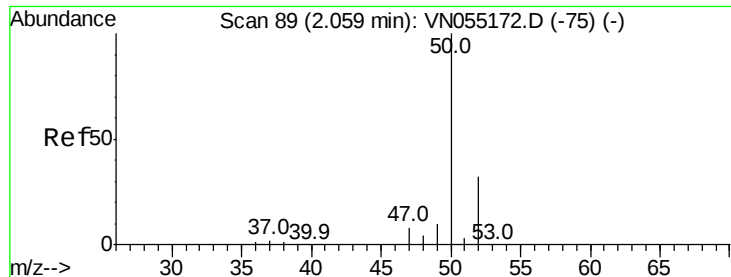
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 51.568 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 339349

Ion Ratio Lower Upper

50 100

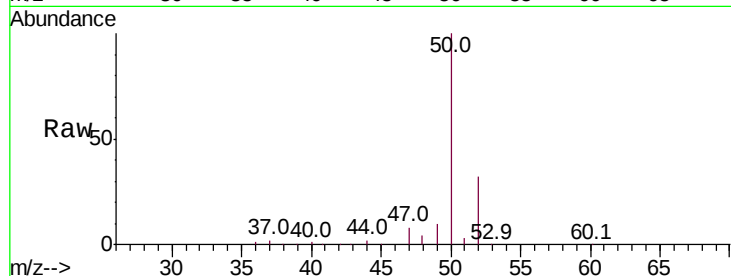
52 31.9 25.8 38.6

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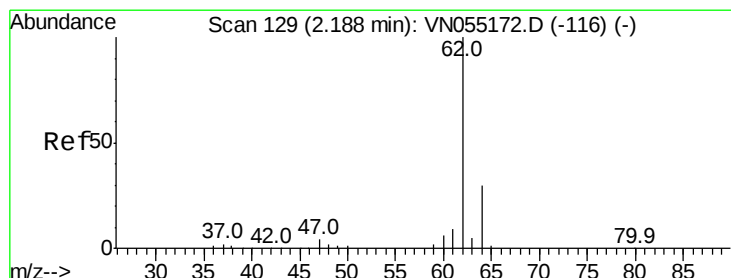
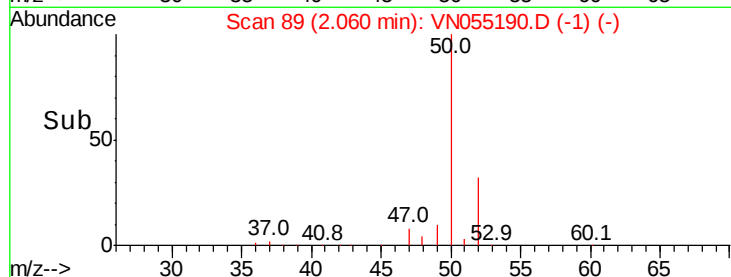
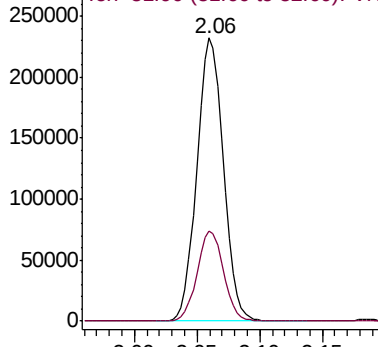
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 50.809 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055190.D

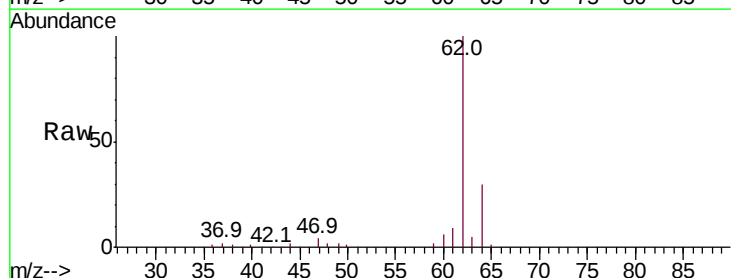
Acq: 22 Apr 2019 19:00

Tgt Ion: 62 Resp: 267917

Ion Ratio Lower Upper

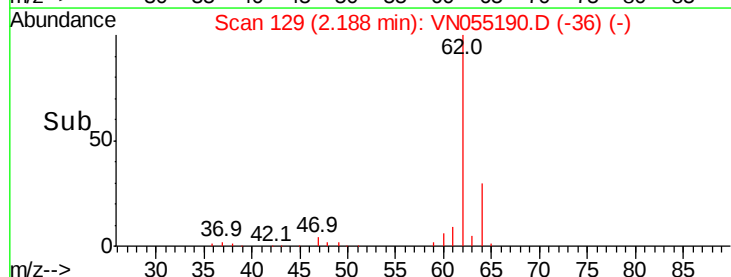
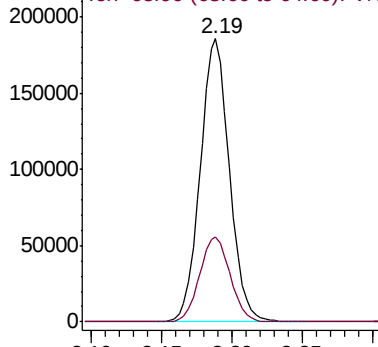
62 100

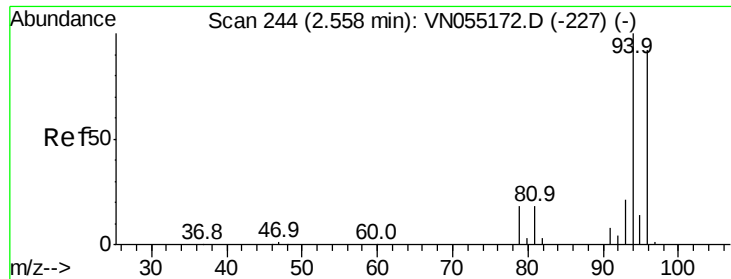
64 29.9 24.2 36.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





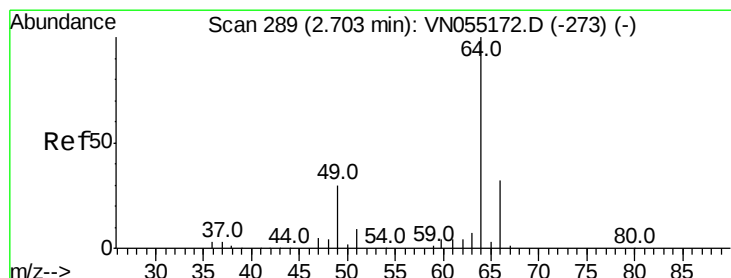
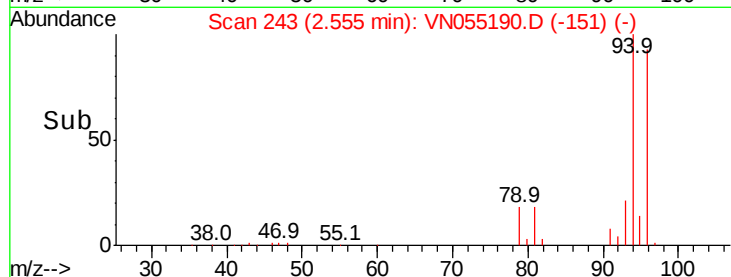
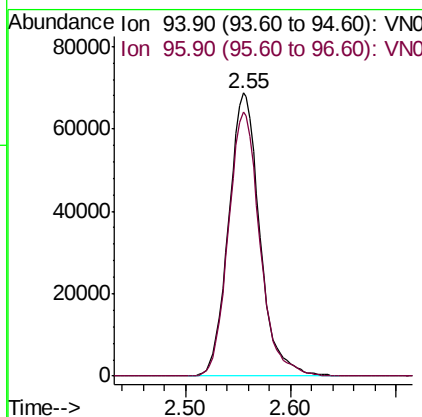
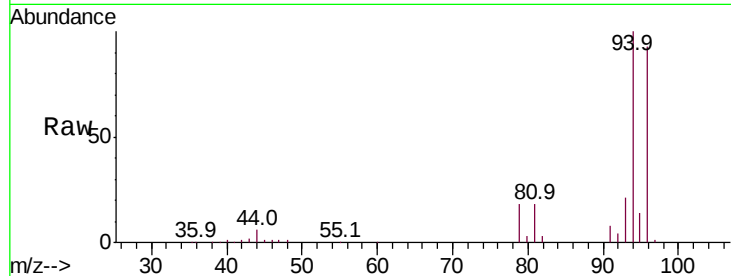
#5
Bromomethane
Concen: 45.935 ug/l
RT: 2.55 min Scan# 243
Delta R.T. -0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 94 Resp: 140469
Ion Ratio Lower Upper
94 100
96 93.4 73.4 110.2

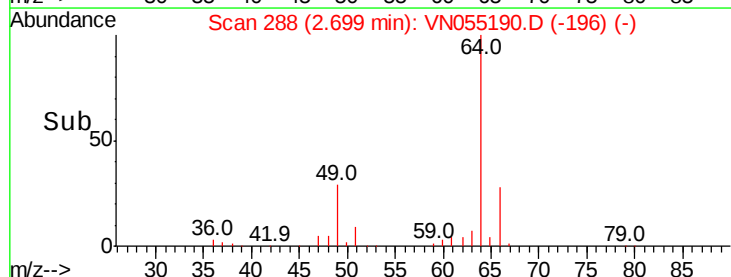
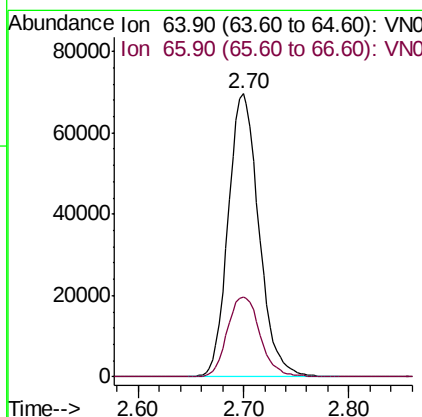
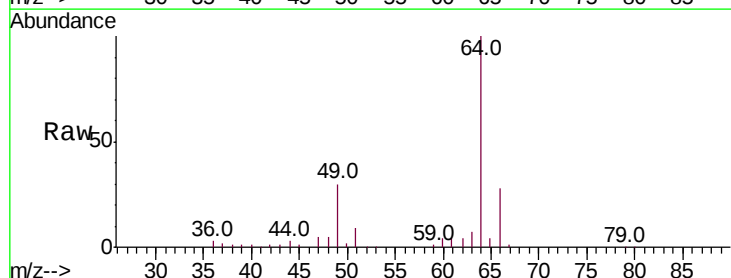
Manual Integrations
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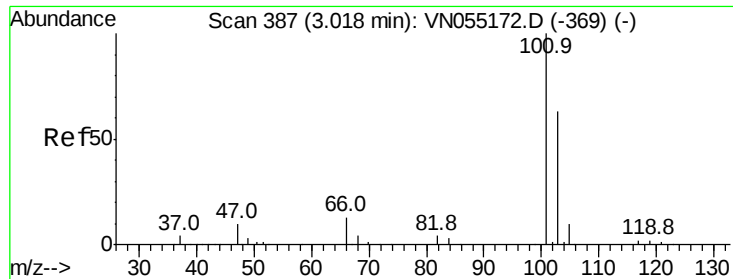
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#6
Chloroethane
Concen: 50.559 ug/l
RT: 2.70 min Scan# 288
Delta R.T. -0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Tgt Ion: 64 Resp: 140513
Ion Ratio Lower Upper
64 100
66 28.2 25.9 38.9





#7

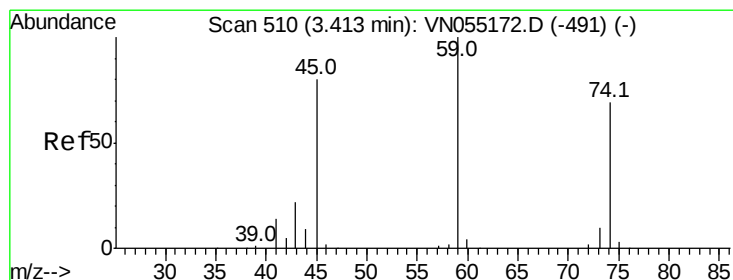
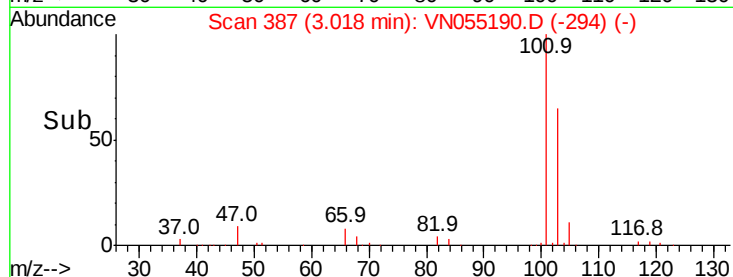
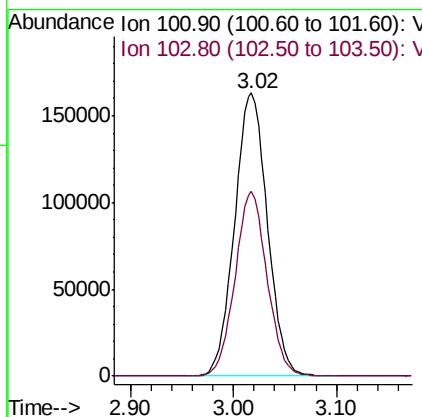
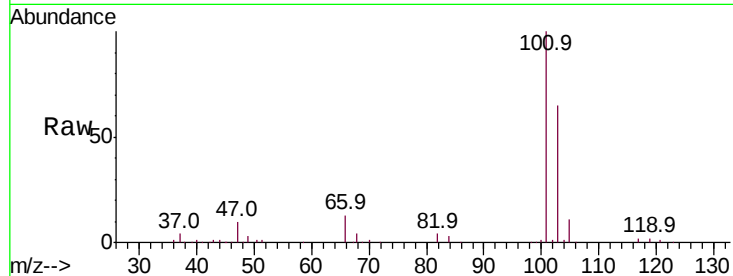
Trichlorofluoromethane
 Concen: 50.371 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	50.1	75.1

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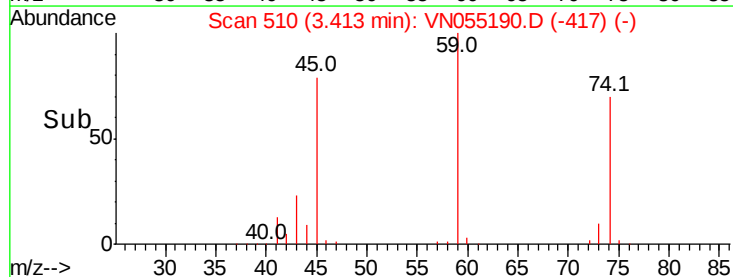
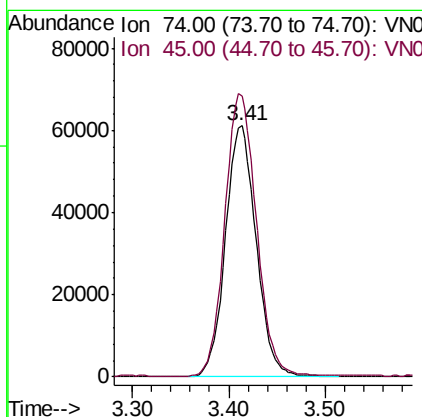
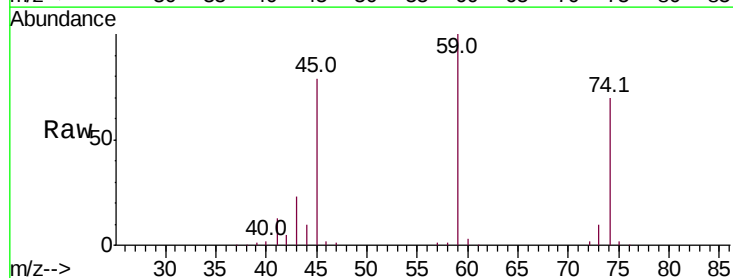
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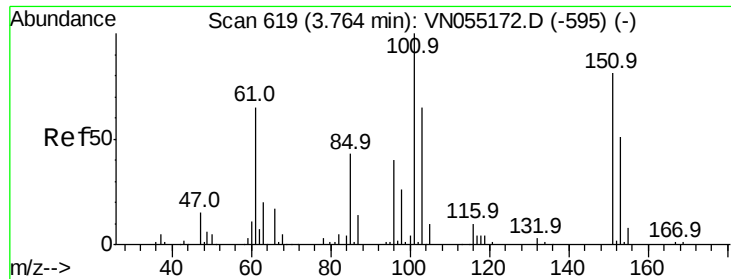


#8

Diethyl Ether
 Concen: 52.789 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.3	56.9	170.6





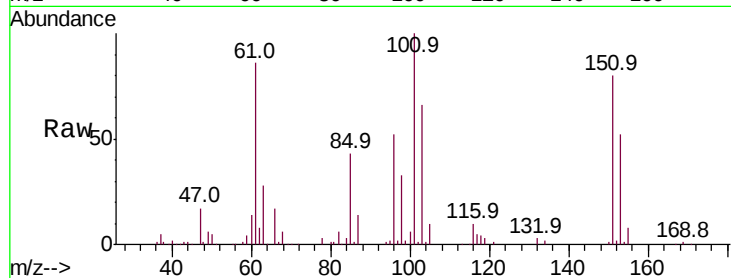
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.307 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
85	43.0	34.9	52.3
151	79.7	63.8	95.8

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 4/23/2019 1:47:38 PM

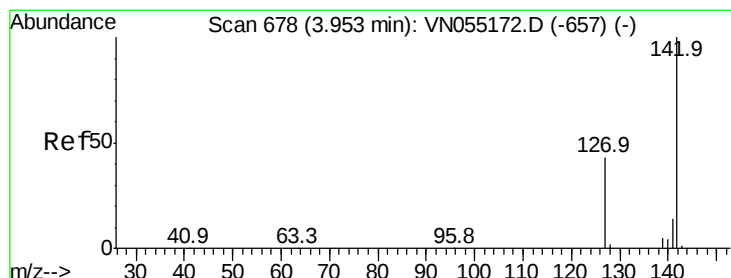
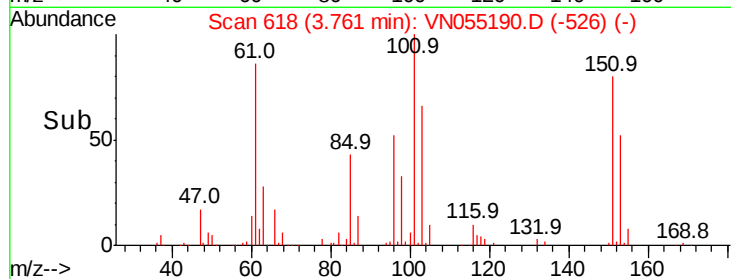
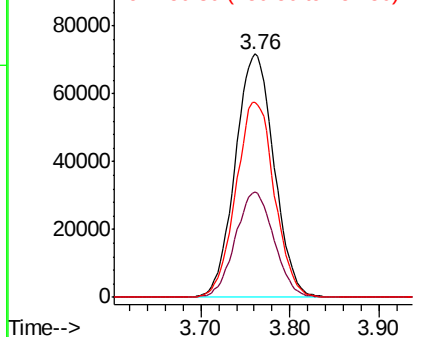


Abundance

Ion 100.90 (100.60 to 101.60): V

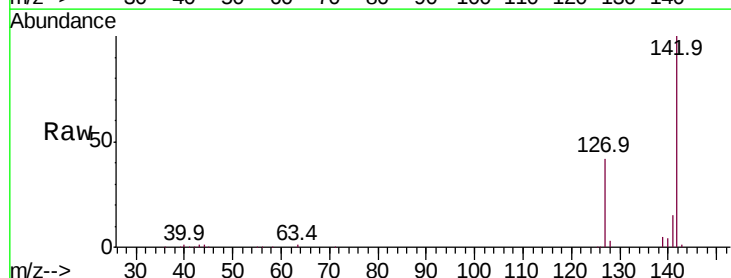
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 53.517 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.1	34.1	51.1
141	14.7	11.4	17.2

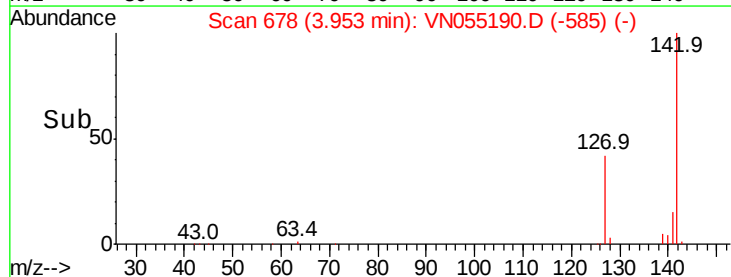
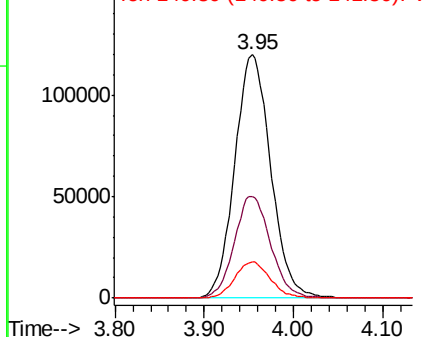


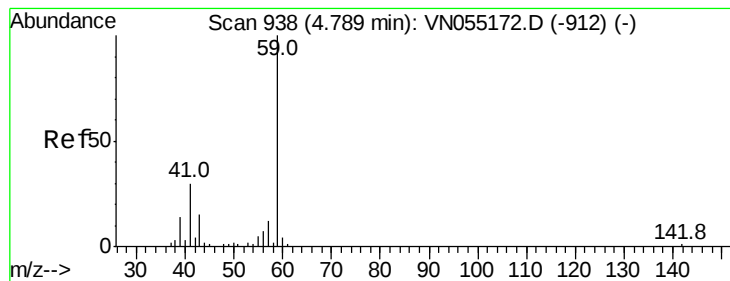
Abundance

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

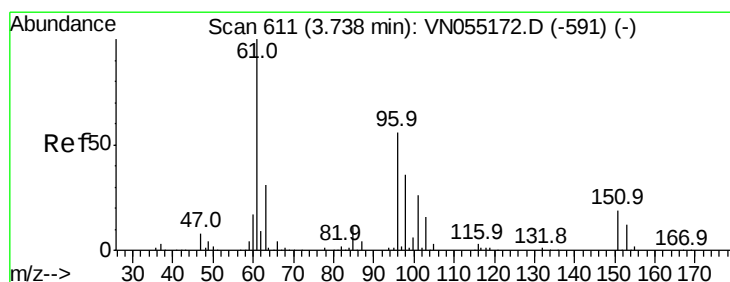
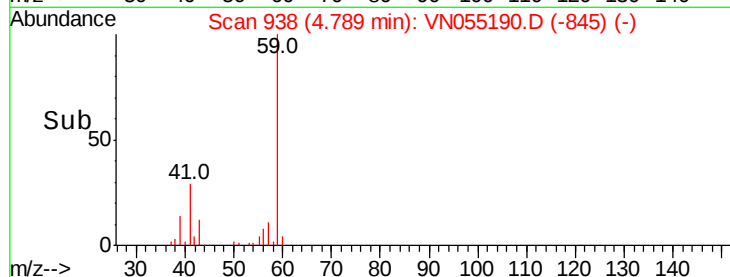
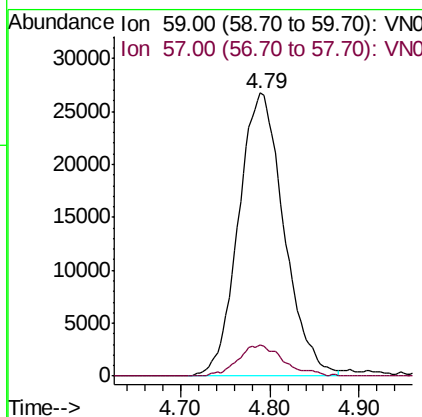
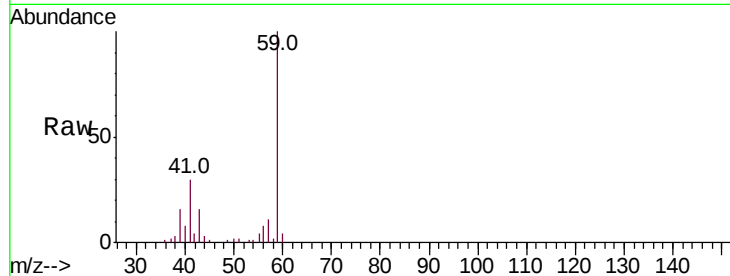
Tert butyl alcohol
 Concen: 287.136 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.8	13.2

Manual Integrations
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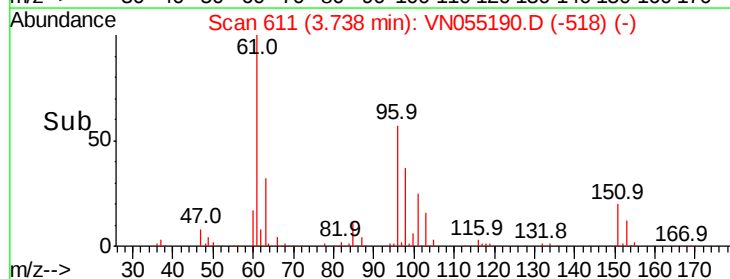
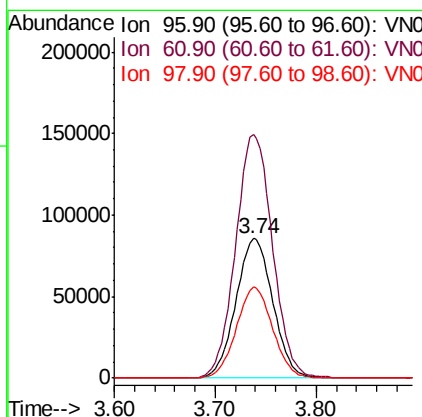
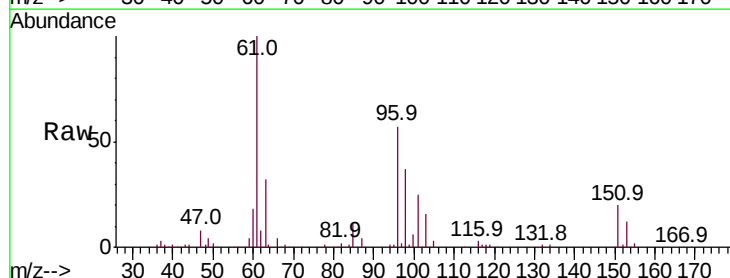
MMDadoda
 4/23/2019 1:47:38 PM

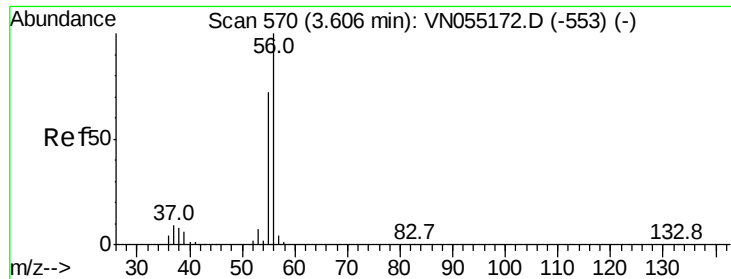


#12

1,1-Dichloroethene
 Concen: 50.660 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.3	142.1	213.1
98	65.0	51.2	76.8





#13

Acrolein

Concen: 287.558 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 142810

Ion Ratio Lower Upper

56 100

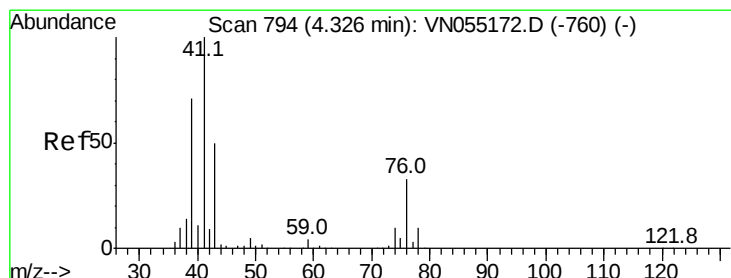
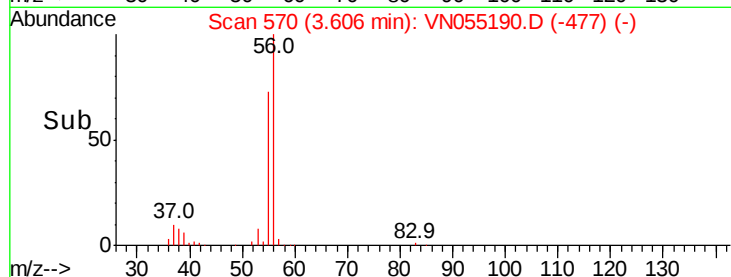
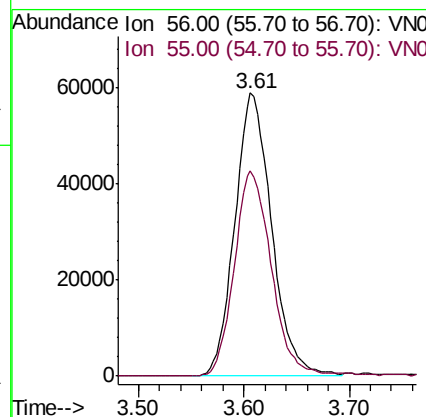
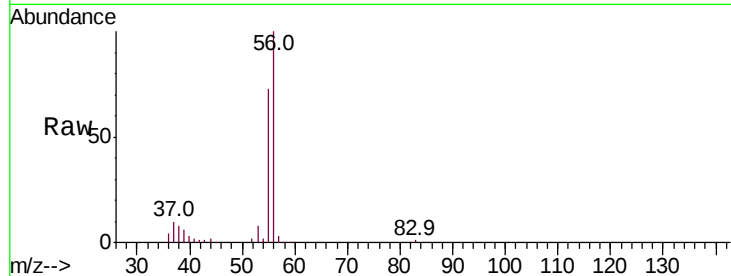
55 72.4 57.4 86.0

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 51.530 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

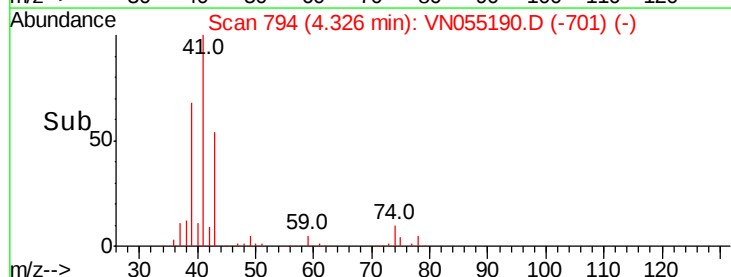
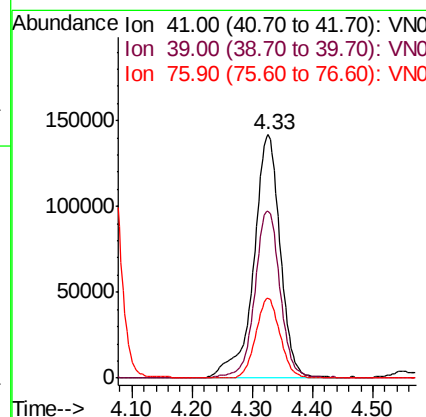
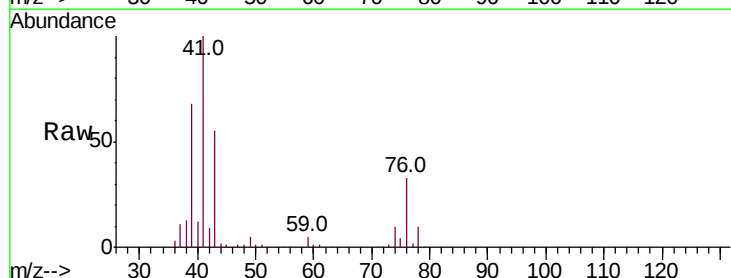
Tgt Ion: 41 Resp: 437145

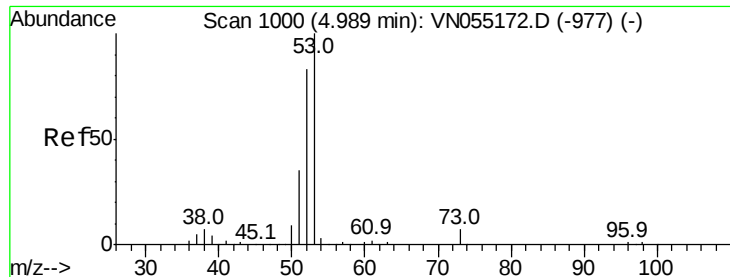
Ion Ratio Lower Upper

41 100

39 65.5 52.9 79.3

76 29.9 23.6 35.4





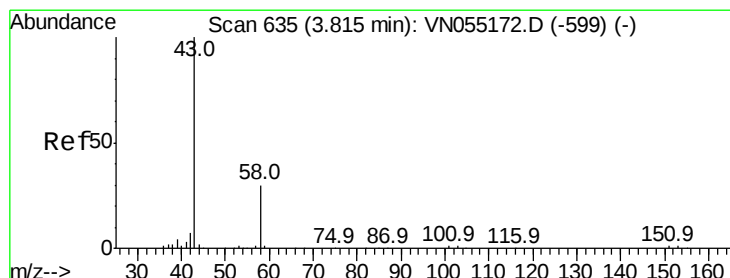
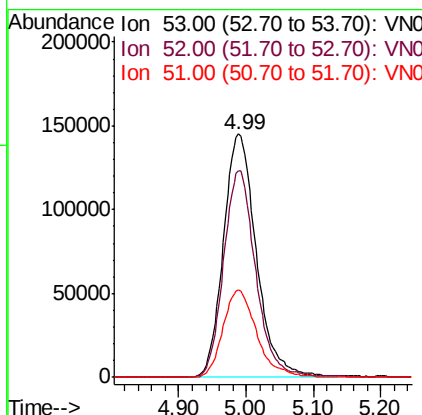
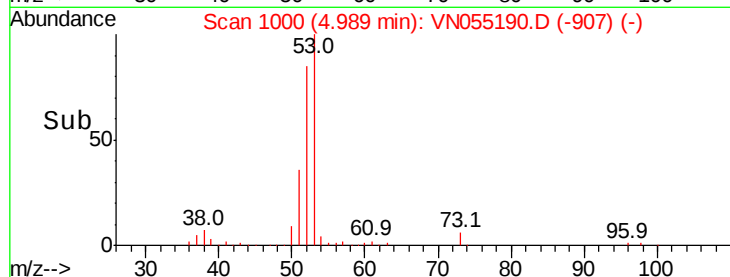
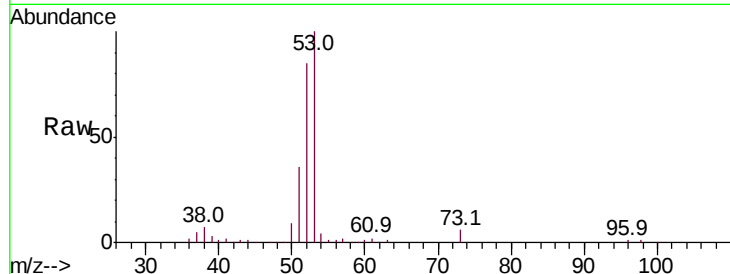
#15
 Acrylonitrile
 Concen: 273.958 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.8	98.8
51	36.8	28.9	43.3

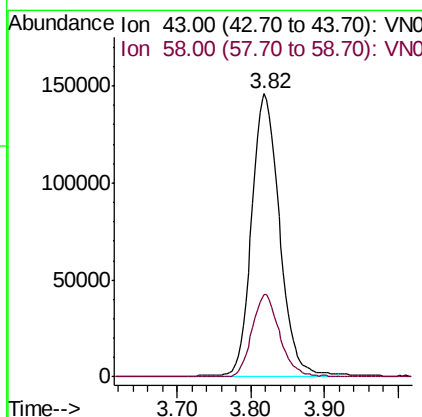
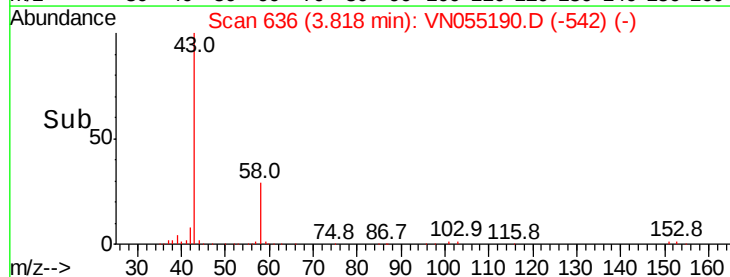
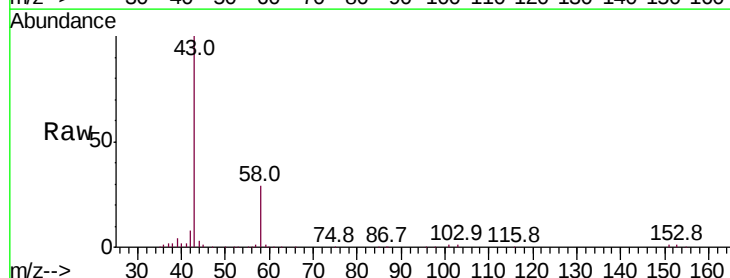
Manual Integrations
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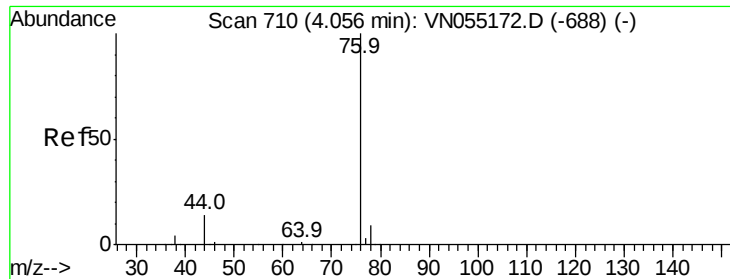
MMDadoda
 4/23/2019 1:47:38 PM



#16
 Acetone
 Concen: 205.973 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.8	23.8	35.8





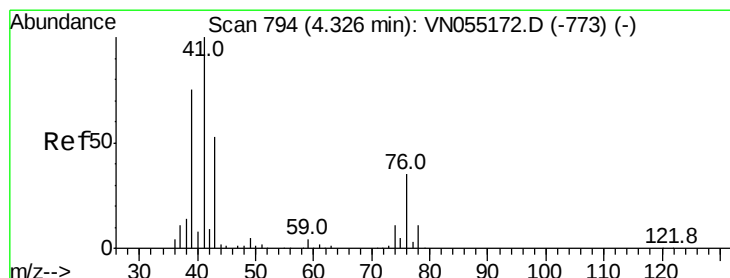
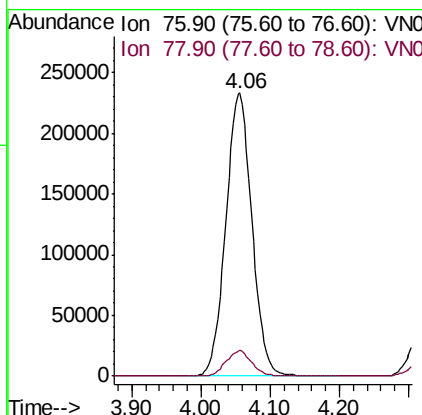
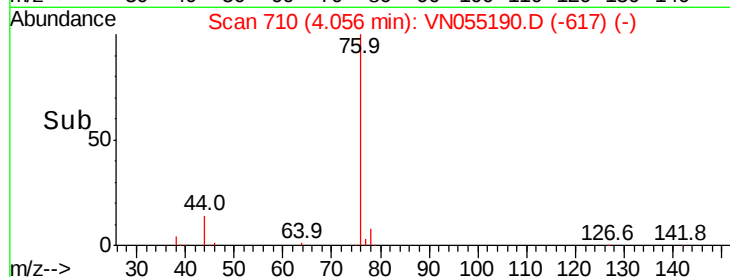
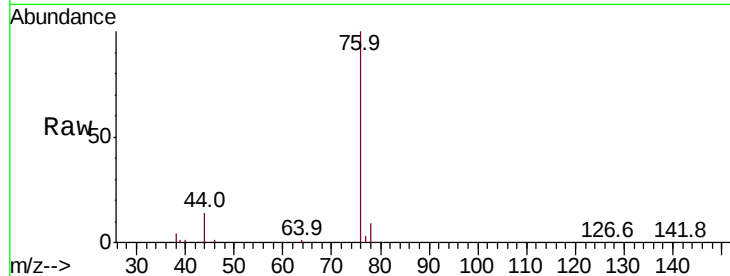
#17
Carbon Disulfide
Concen: 51.018 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

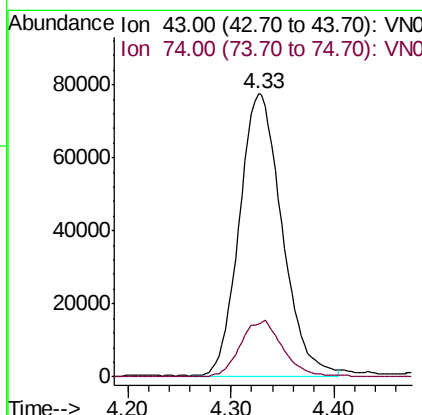
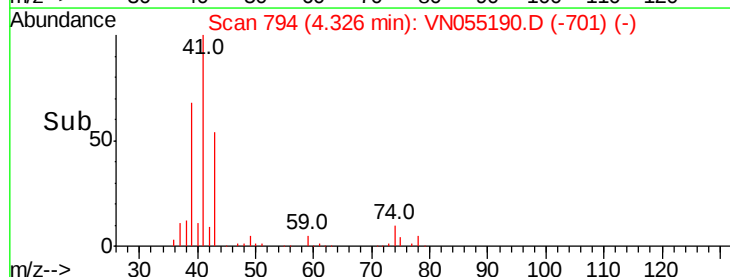
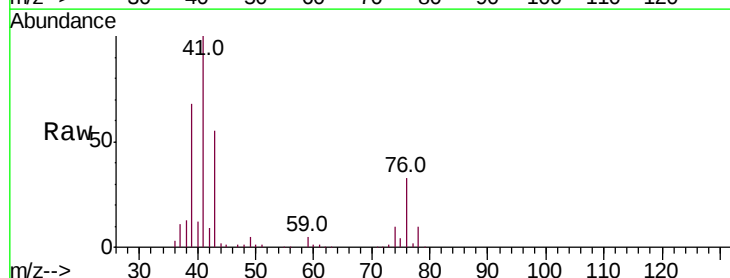
Manual Integrations
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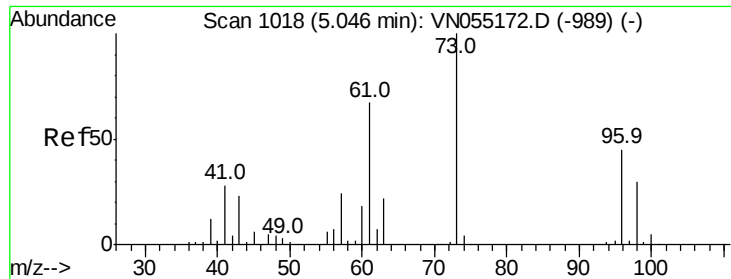
MMDadoda
4/23/2019 1:47:38 PM



#18
Methyl Acetate
Concen: 55.253 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	16.7	25.1





#19

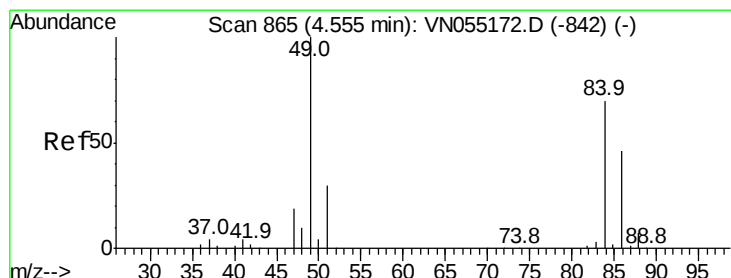
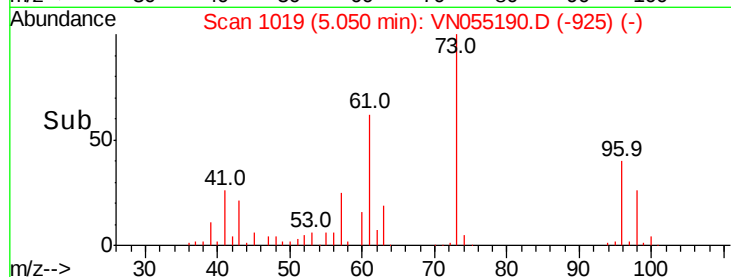
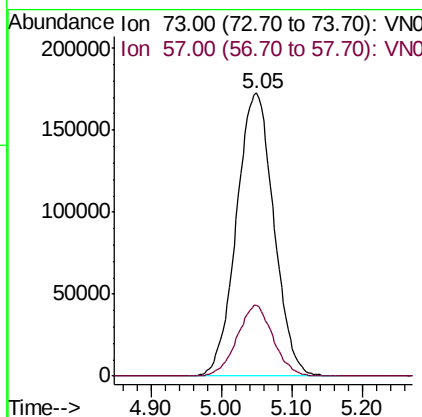
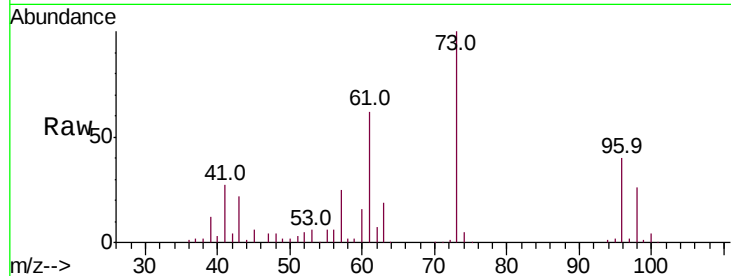
Methyl tert-butyl Ether
 Concen: 53.756 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.2	19.5	29.3

Manual Integrations
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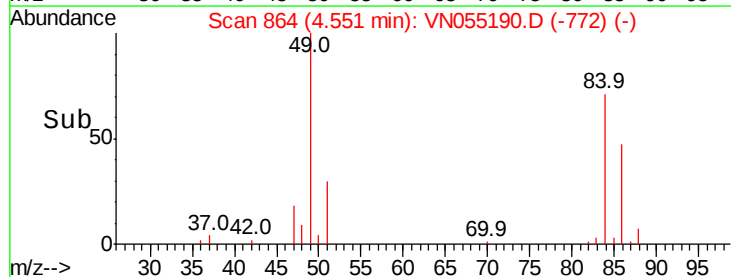
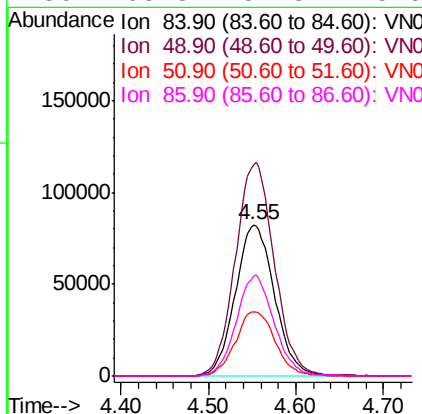
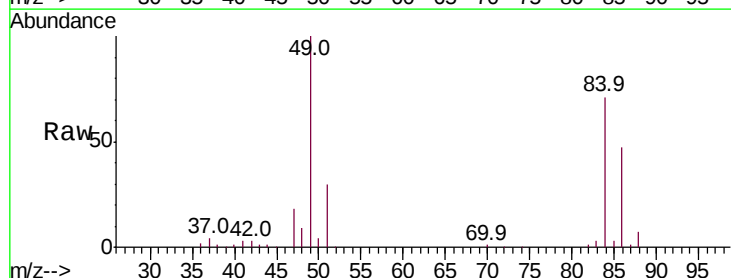
MMDadoda
 4/23/2019 1:47:38 PM

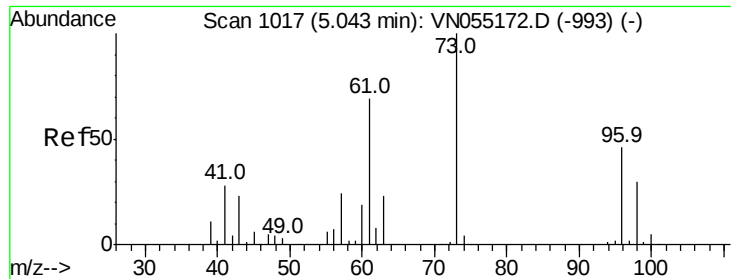


#20

Methylene Chloride
 Concen: 47.532 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.0	113.8	170.6
51	42.2	34.0	51.0
86	65.8	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 51.200 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 230397

Ion Ratio Lower Upper

96 100

61 151.7 119.3 178.9

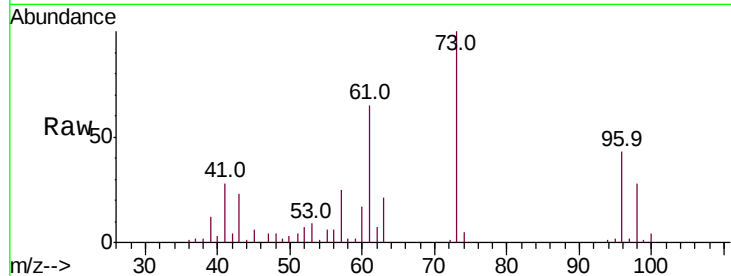
98 64.9 53.0 79.4

Manual Integrations

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MMDadoda

4/23/2019 1:47:38 PM

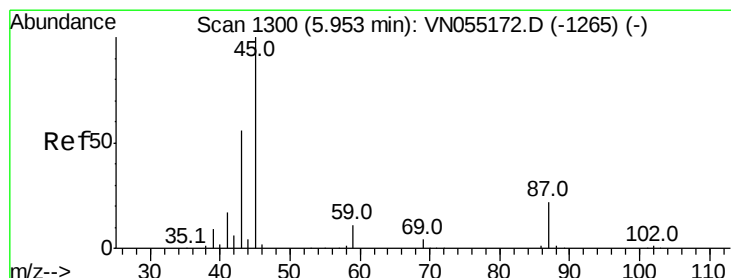
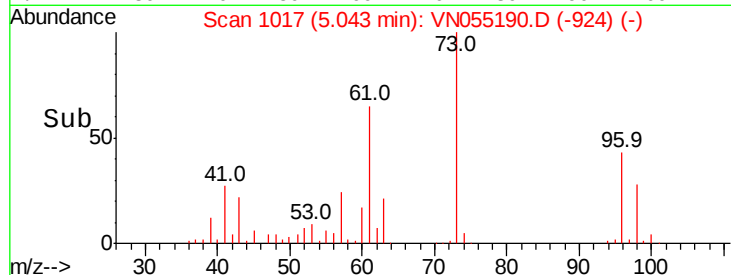
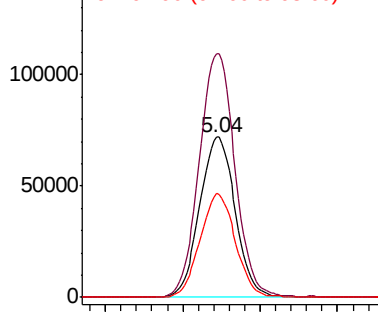


Abundance

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: 52.180 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Tgt Ion: 45 Resp: 882353

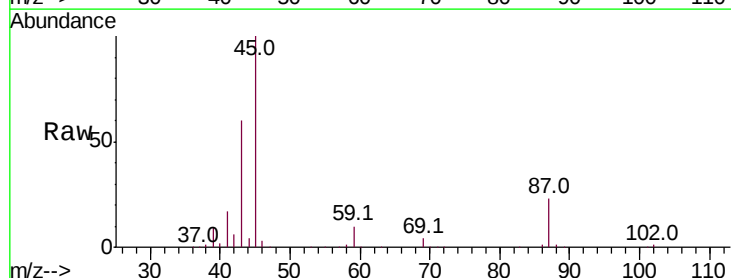
Ion Ratio Lower Upper

45 100

43 59.6 47.4 71.0

87 22.4 18.4 27.6

59 10.0 8.6 12.8



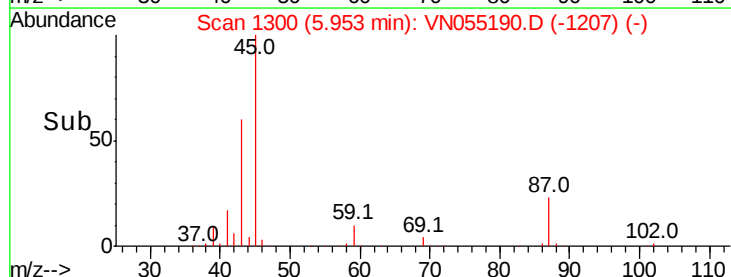
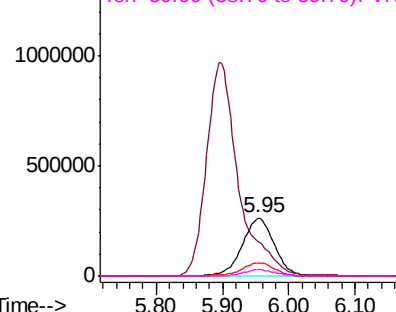
Abundance

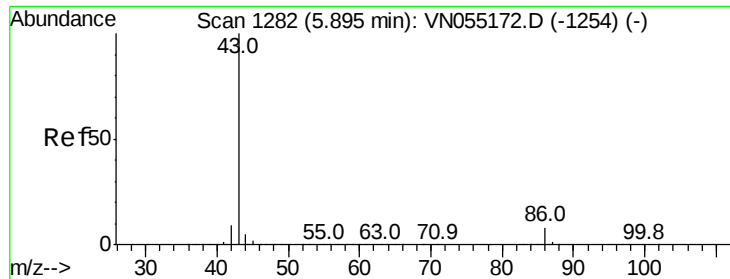
Ion 45.00 (44.70 to 45.70): VNO

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





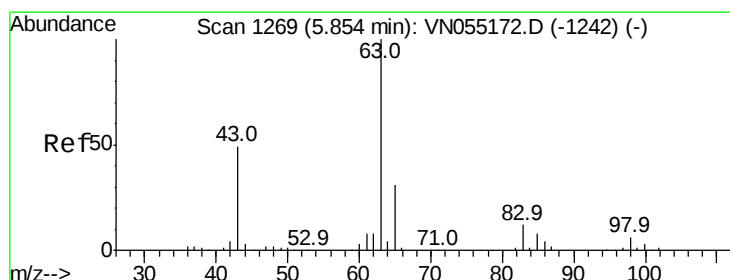
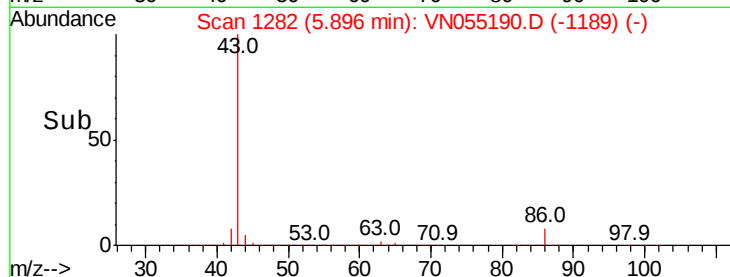
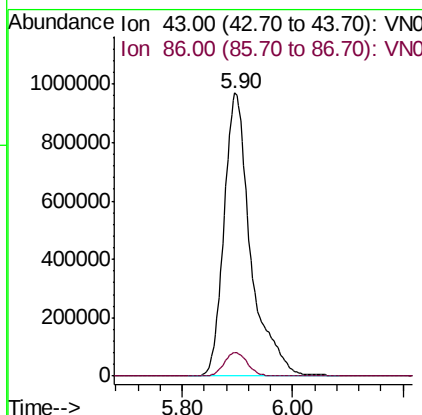
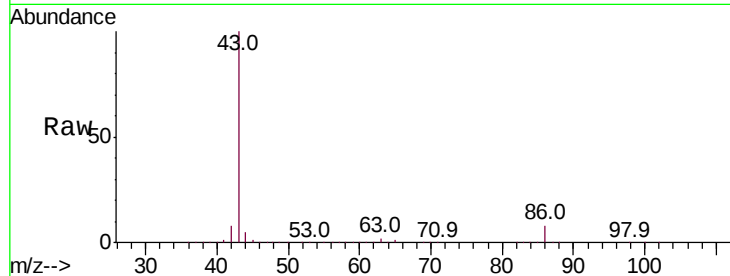
#23
 Vinyl Acetate
 Concen: 286.646 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3257263
 Ion Ratio Lower Upper
 43 100
 86 8.3 6.8 10.2

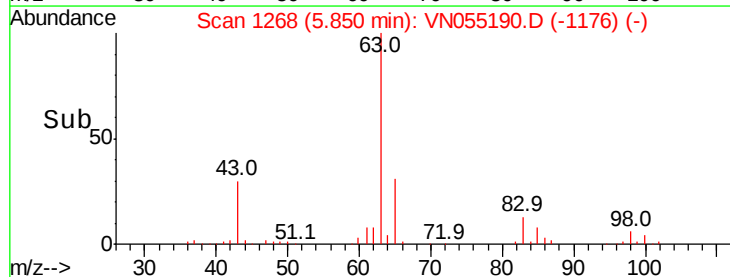
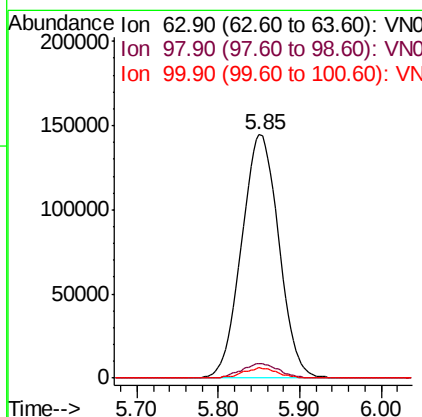
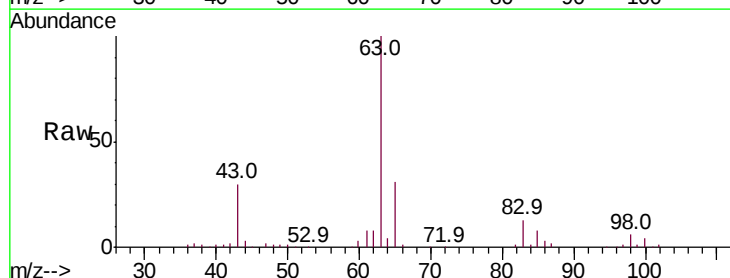
Manual Integrations
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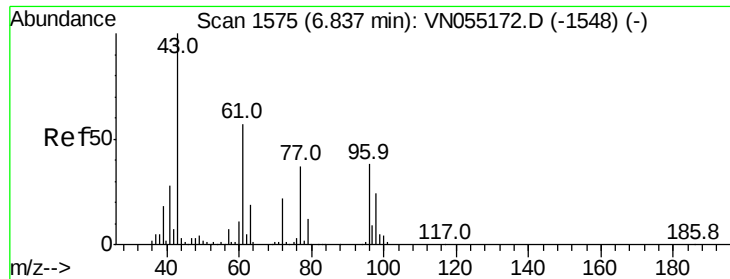
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 50.234 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Tgt Ion: 63 Resp: 456905
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.1 9.3
 100 4.2 1.8 5.3





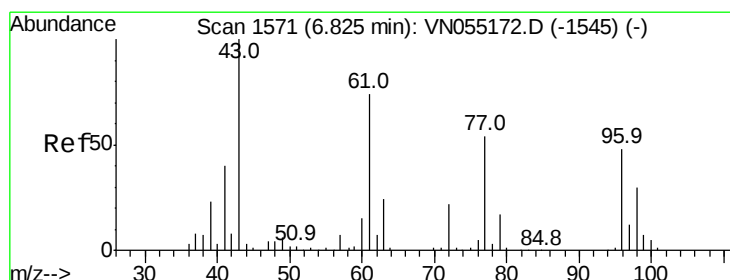
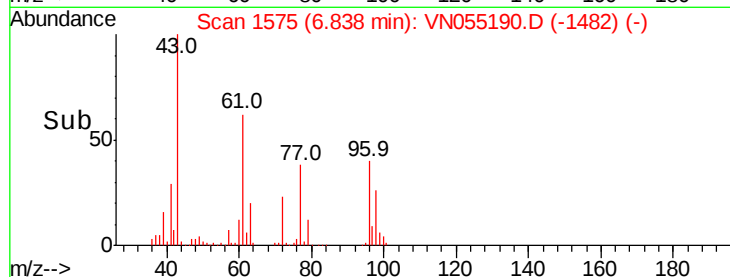
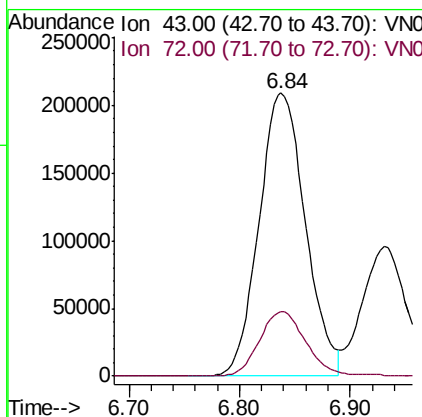
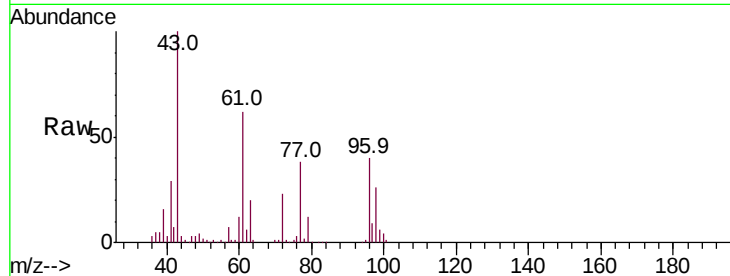
#25
2-Butanone
Concen: 251.639 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 606320
Ion Ratio Lower Upper
43 100
72 22.8 17.8 26.8

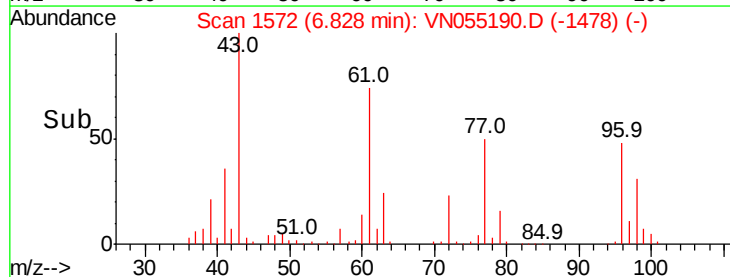
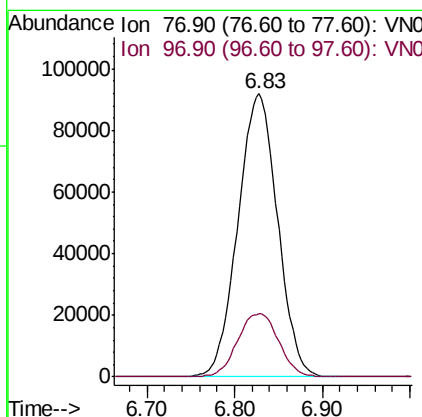
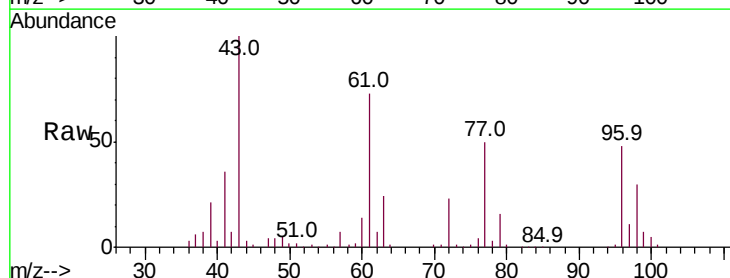
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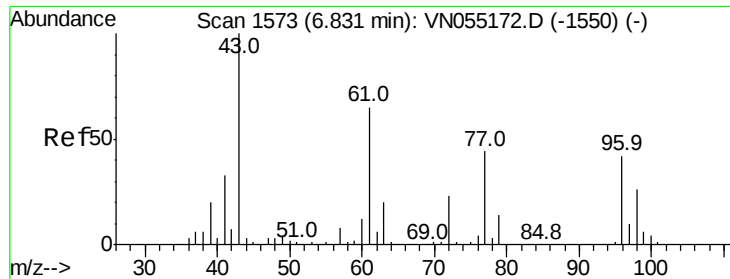
MMDadoda
4/23/2019 1:47:38 PM



#26
2,2-Dichloropropane
Concen: 46.791 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Tgt Ion: 77 Resp: 288001
Ion Ratio Lower Upper
77 100
97 23.3 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 50.495 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Instrument :

MSVOA_N

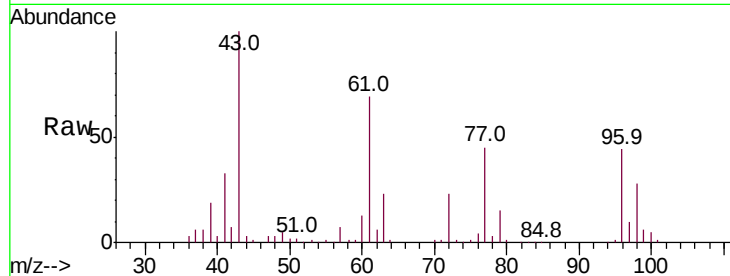
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	261930
Ion	Ratio	Lower	Upper
96	100		
61	155.6	0.0	310.8
98	65.3	0.0	127.4

Manual Integrations
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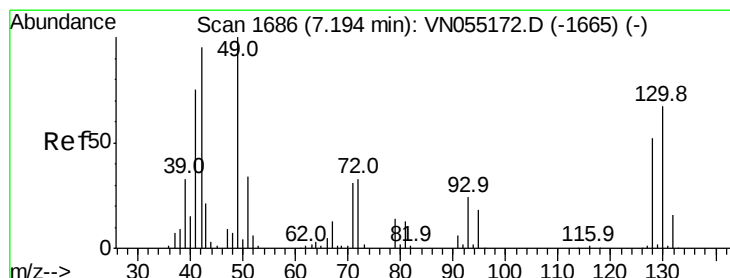
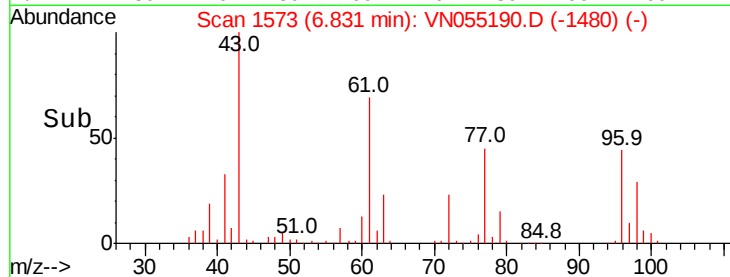
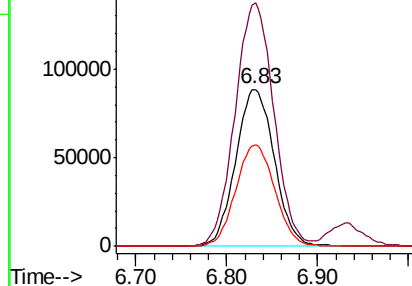
MMDadoda
4/23/2019 1:47:38 PM



Abundance Ion 95.90 (95.60 to 96.60): VN055172.D (-1550) (-)

Ion 60.90 (60.60 to 61.60): VN055172.D (-1550) (-)

Ion 97.90 (97.60 to 98.60): VN055172.D (-1550) (-)



#28

Bromochloromethane

Concen: 50.650 ug/l

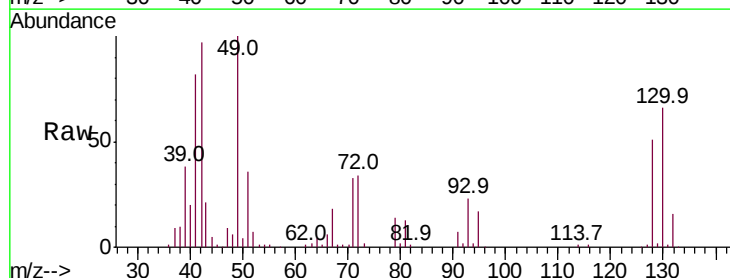
RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

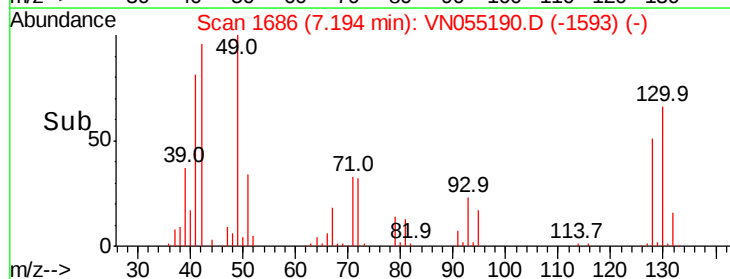
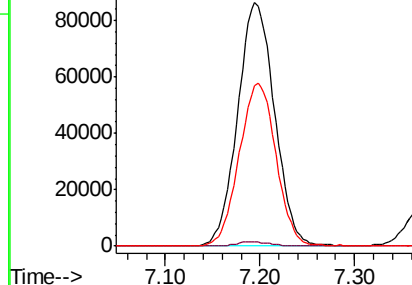
Tgt Ion:	49	Resp:	234839
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	66.6	53.4	80.2

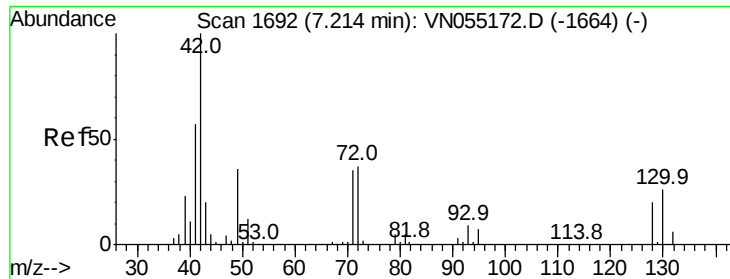


Abundance Ion 48.90 (48.60 to 49.60): VN055172.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN055172.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN055172.D (-1665) (-)





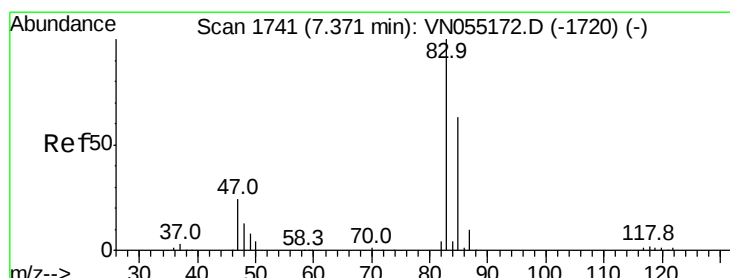
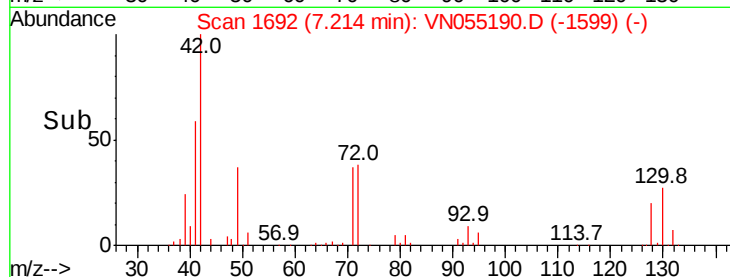
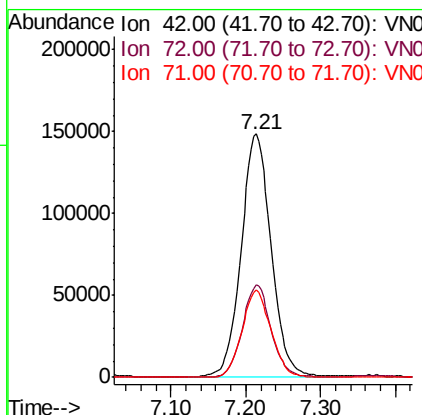
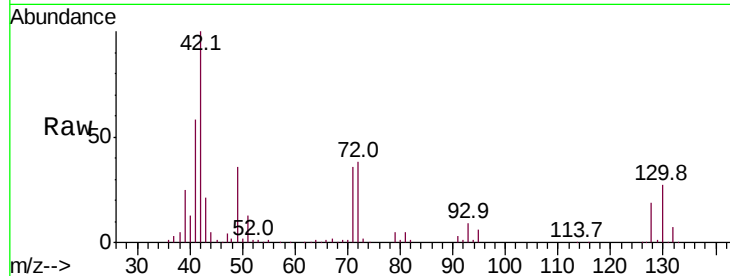
#29
Tetrahydrofuran
Concen: 278.215 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	29.4	44.2
71	34.8	27.8	41.8

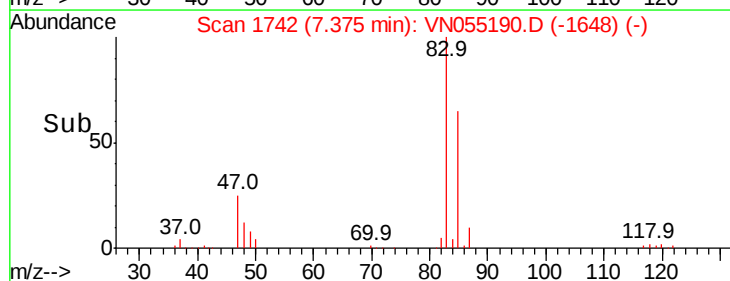
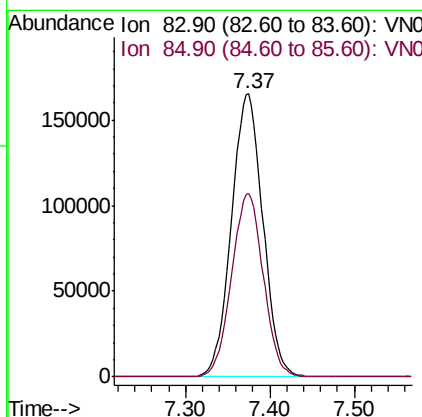
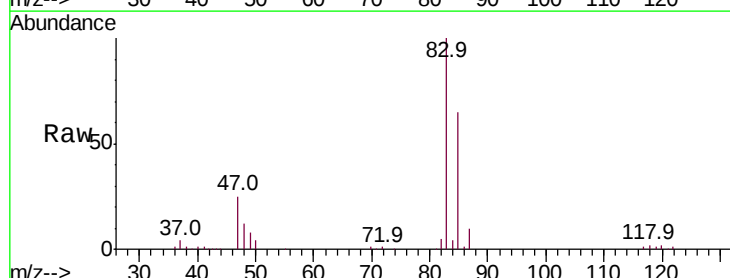
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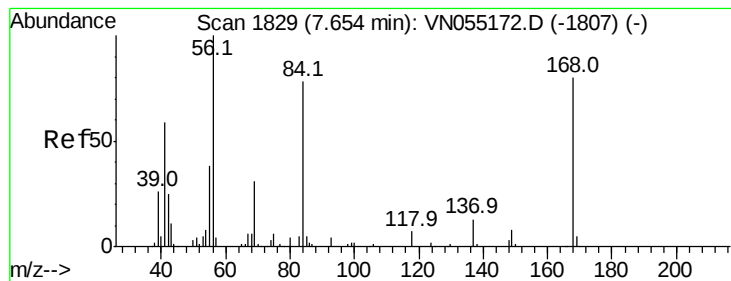
MMDadoda
4/23/2019 1:47:38 PM



#30
Chloroform
Concen: 49.643 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.6	76.0





#31

Cyclohexane

Concen: 51.434 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 437660

Ion Ratio Lower Upper

56 100

69 29.7 24.6 37.0

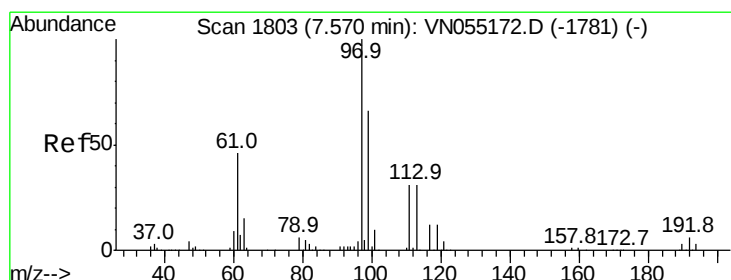
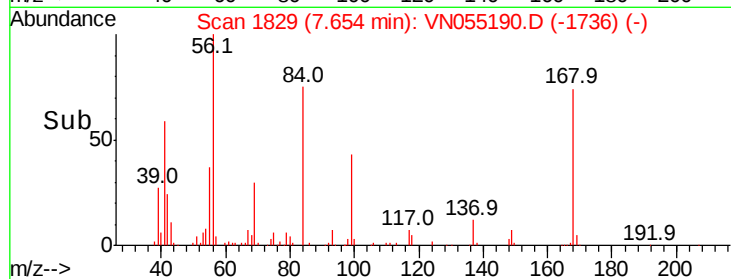
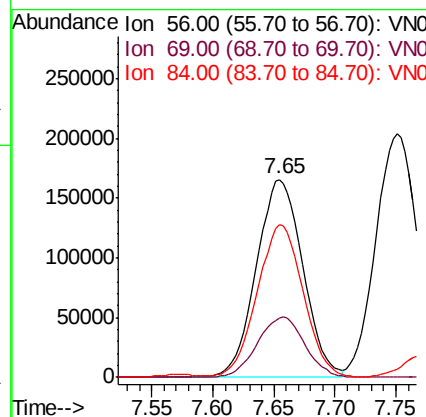
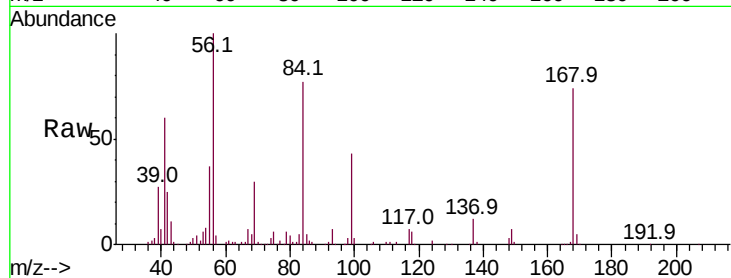
84 76.3 61.4 92.2

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 51.804 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

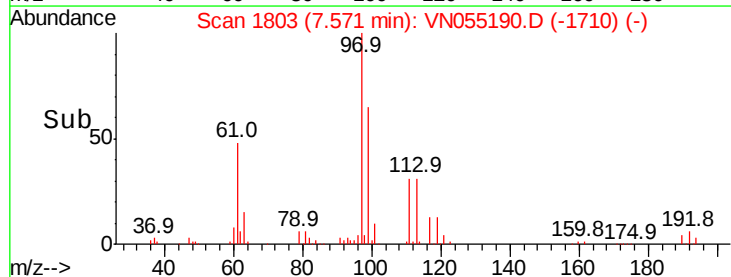
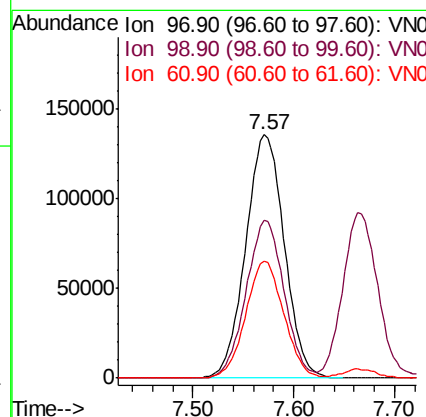
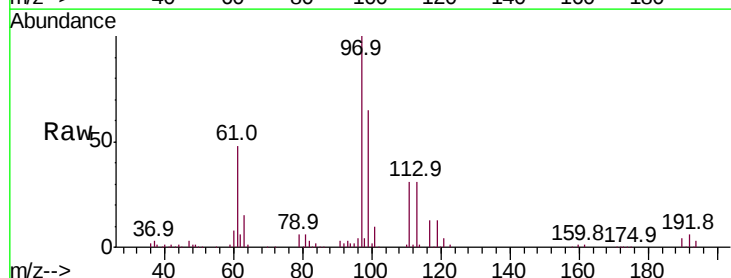
Tgt Ion: 97 Resp: 360078

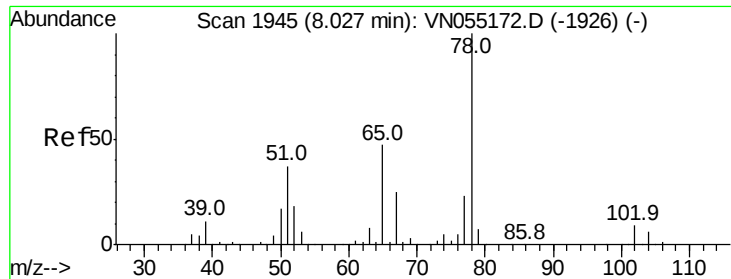
Ion Ratio Lower Upper

97 100

99 63.6 51.1 76.7

61 47.4 38.3 57.5





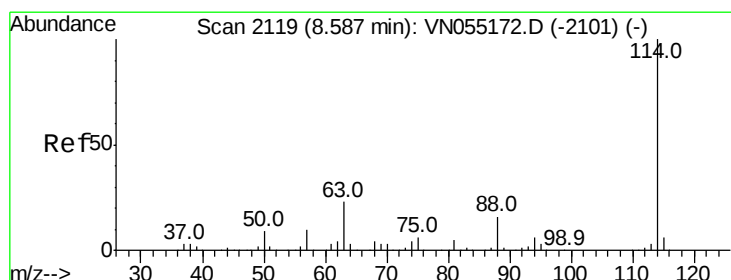
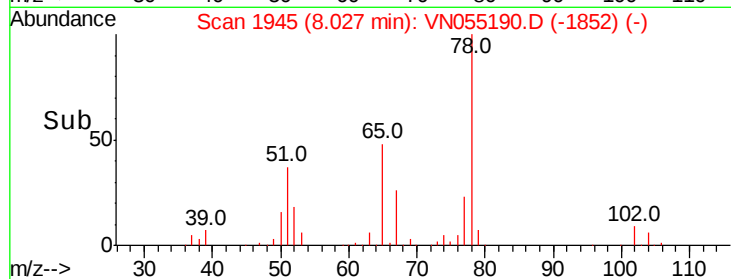
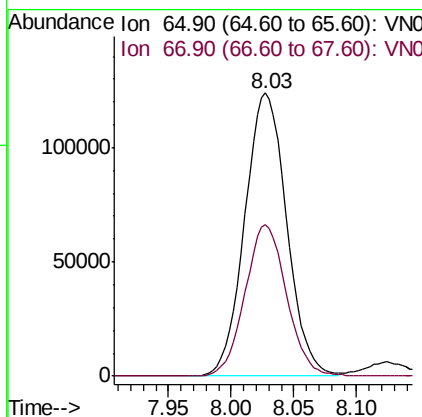
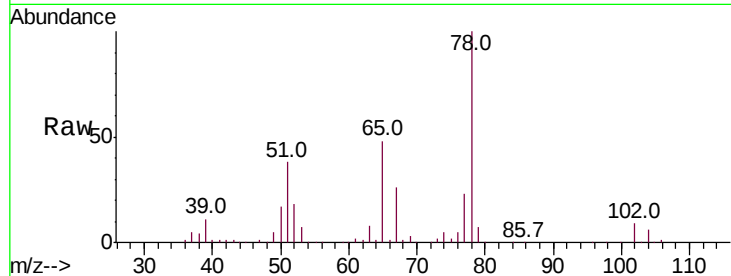
#33
 1,2-Dichloroethane-d4
 Concen: 51.102 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	288500		
67	52.9	0.0	108.6	

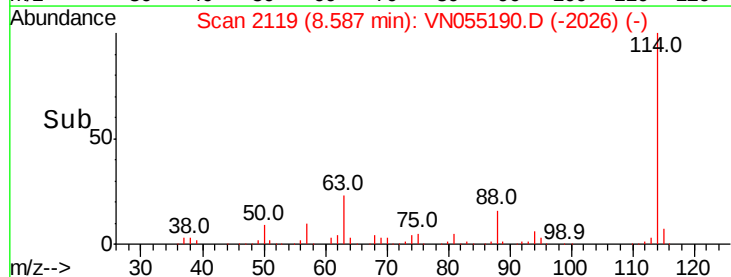
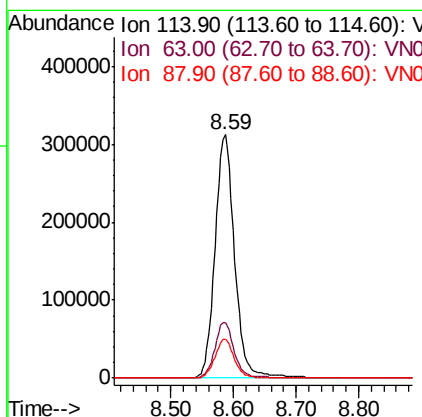
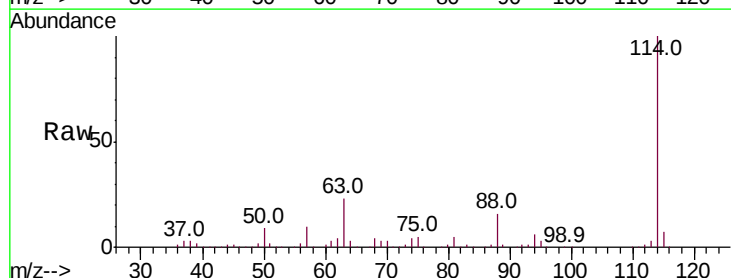
Manual Integrations
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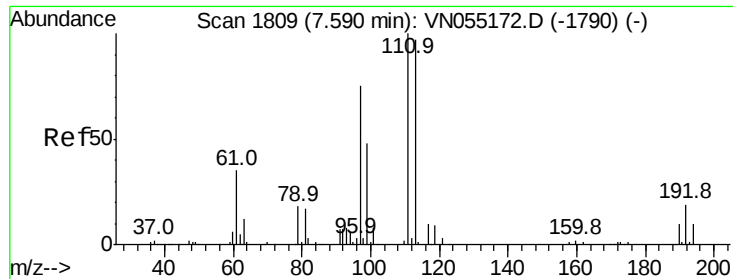
MMDadoda
 4/23/2019 1:47:38 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	677931		
63	22.8	0.0	45.2	
88	16.1	0.0	32.8	





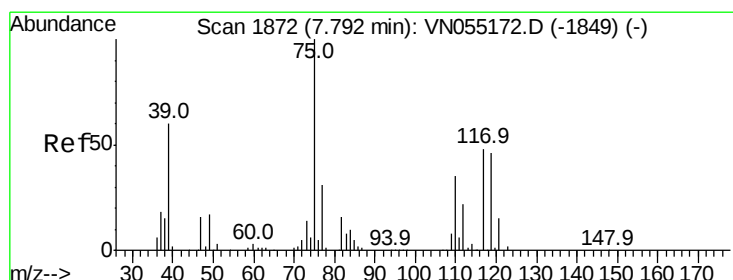
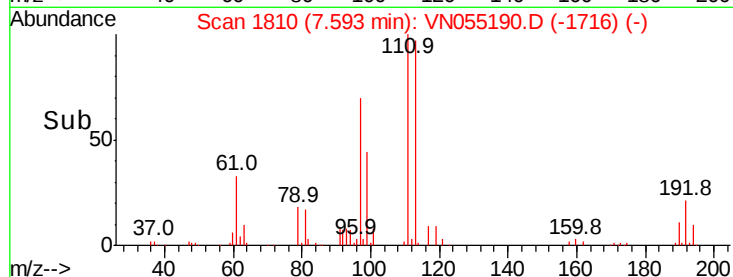
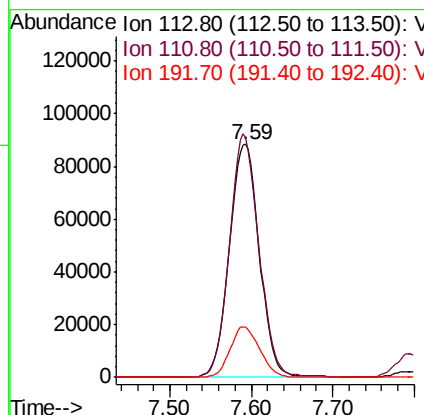
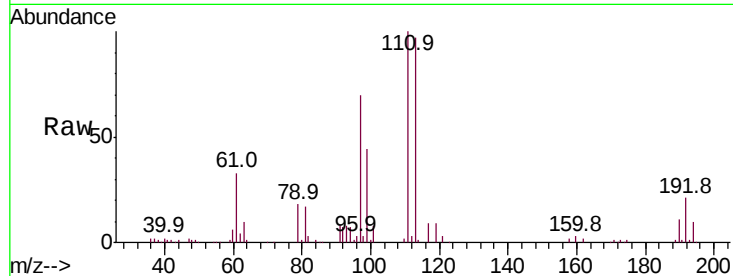
#35
 Dibromofluoromethane
 Concen: 49.495 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.0	121.4
192	21.4	16.2	24.4

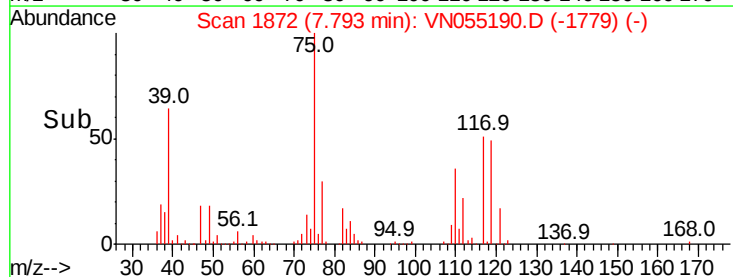
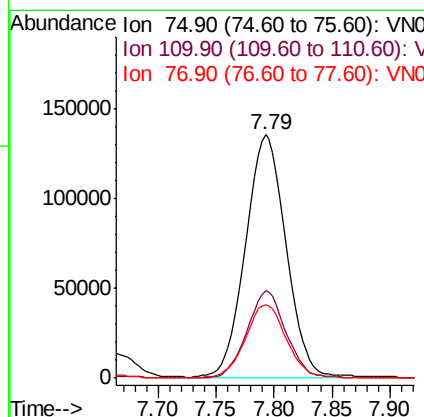
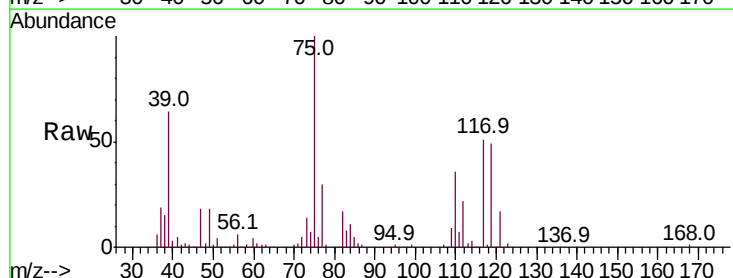
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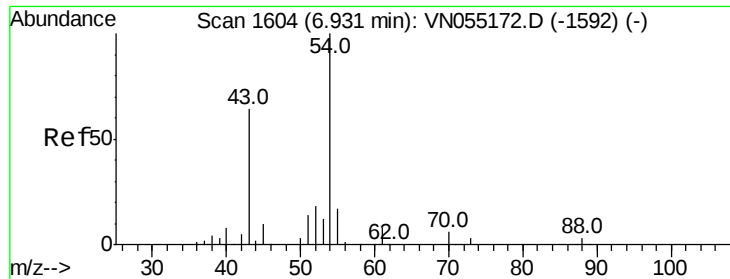
MMDadoda
 4/23/2019 1:47:38 PM



#36
 1,1-Dichloropropene
 Concen: 51.961 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.1	51.2
77	31.0	24.6	36.8





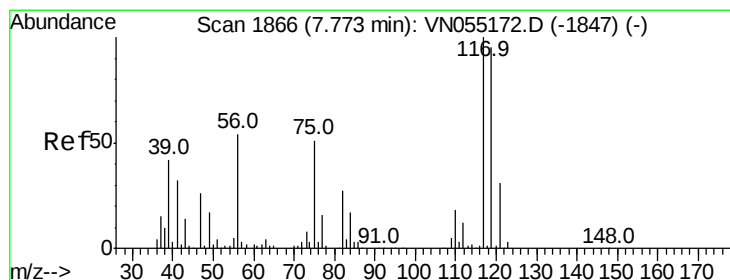
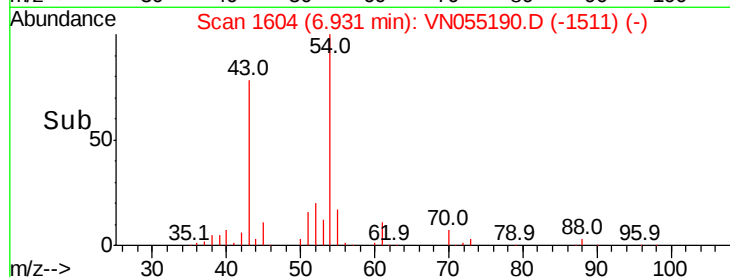
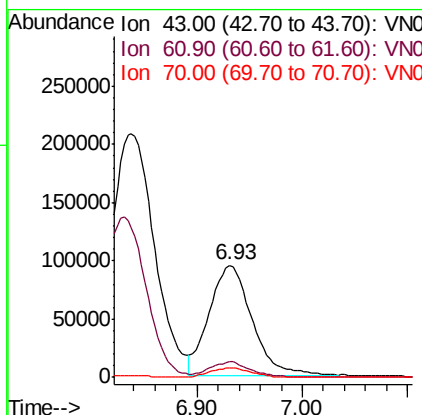
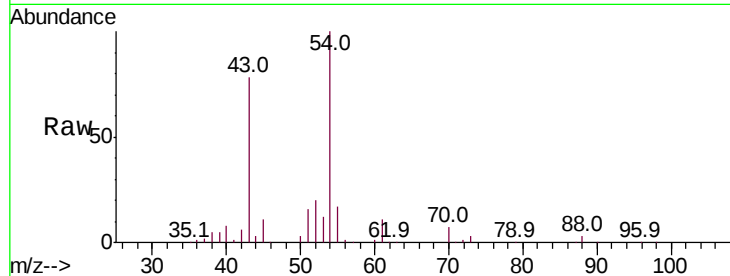
#37
Ethyl Acetate
Concen: 52.718 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	9.7	14.5
70	8.6	6.9	10.3

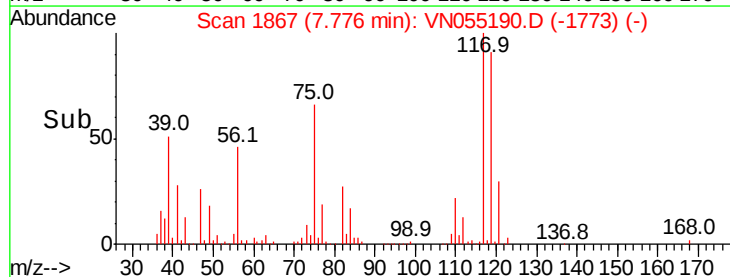
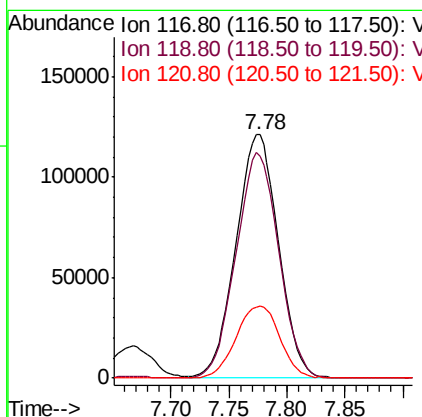
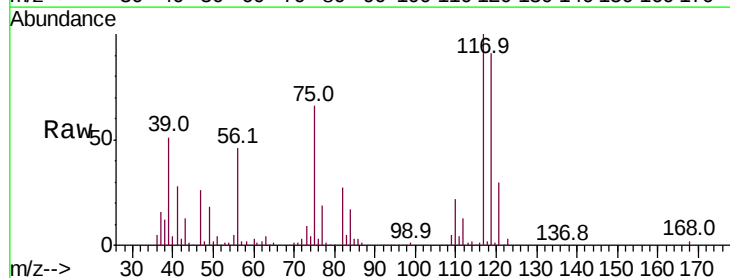
Manual Integrations
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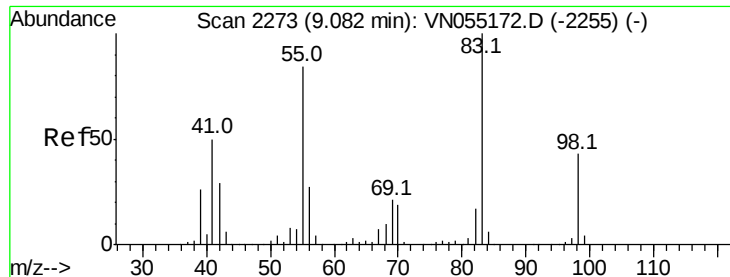
MMDadoda
4/23/2019 1:47:38 PM



#38
Carbon Tetrachloride
Concen: 52.077 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.1	76.0	114.0
121	29.6	24.6	36.8





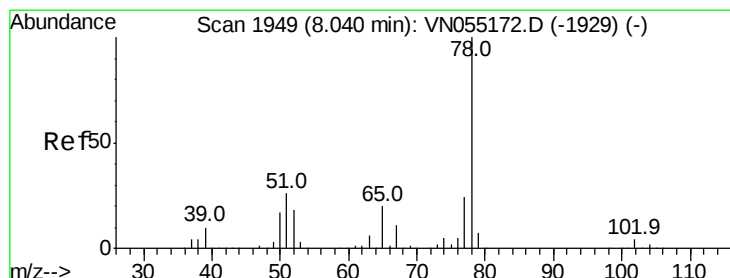
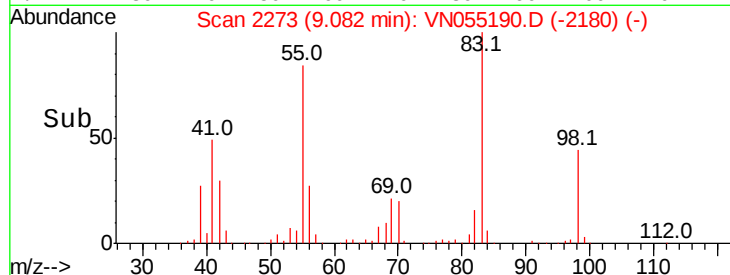
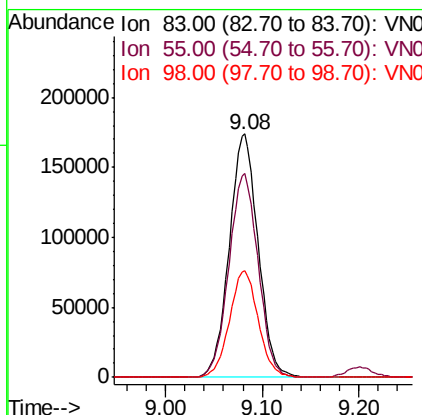
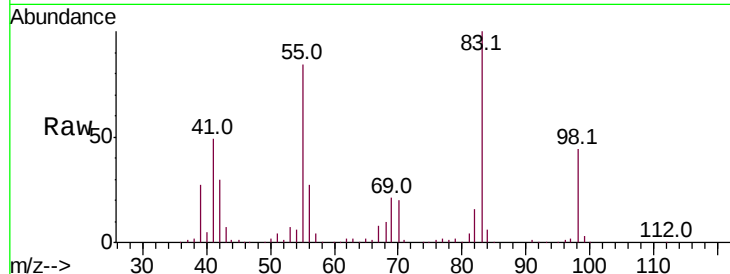
#39
Methylvlcvclohexane
Concen: 47.999 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.6	67.4	101.0
98	43.7	34.7	52.1

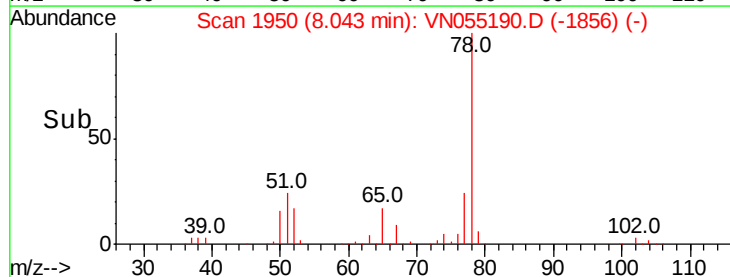
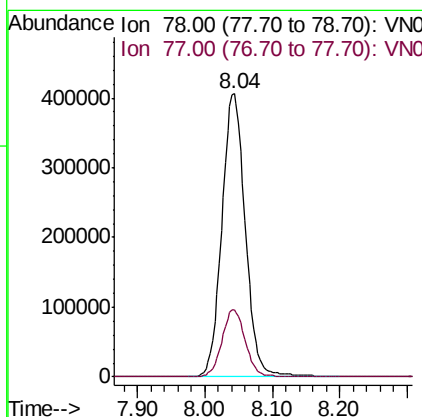
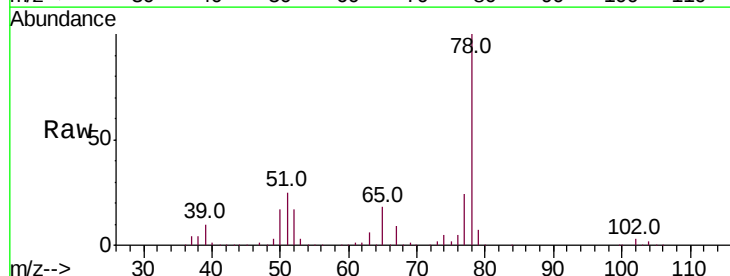
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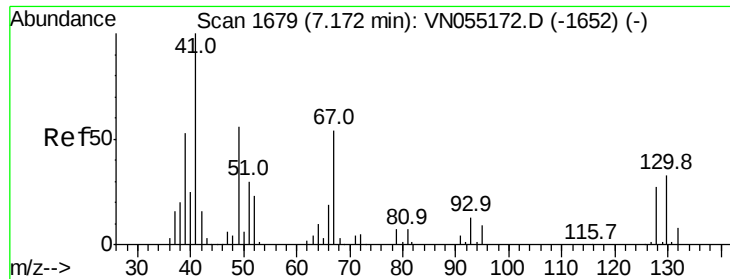
MMDadoda
4/23/2019 1:47:38 PM



#40
Benzene
Concen: 50.930 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.5	29.3





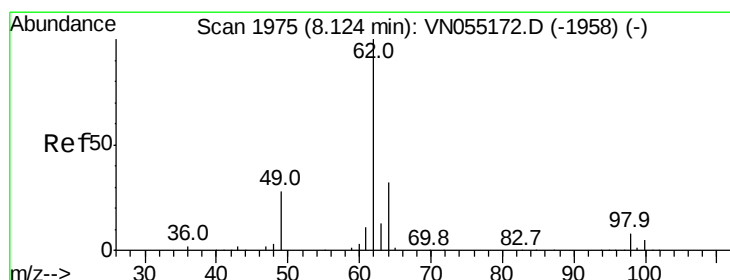
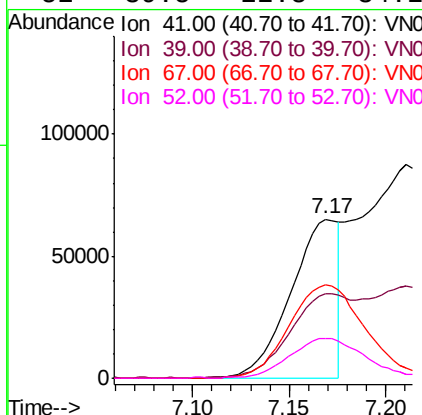
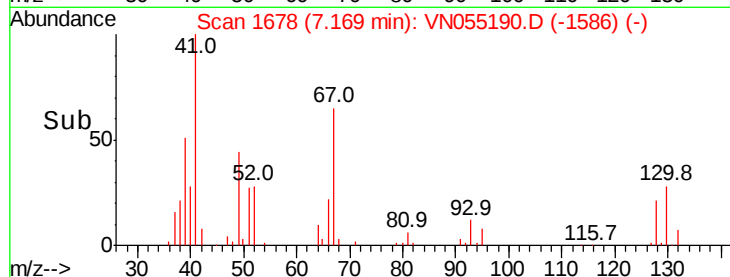
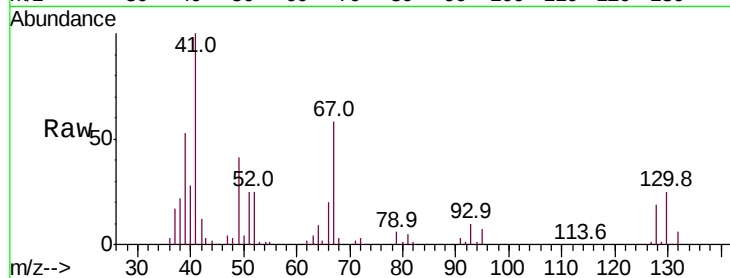
#41
Methacrylonitrile
Concen: 41.928 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.4	45.4	68.0#
67	94.5	54.6	81.8#
52	39.5	22.8	34.2#

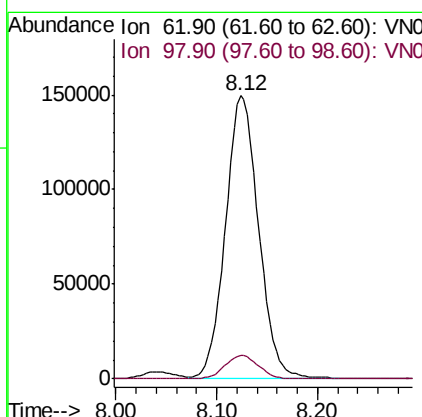
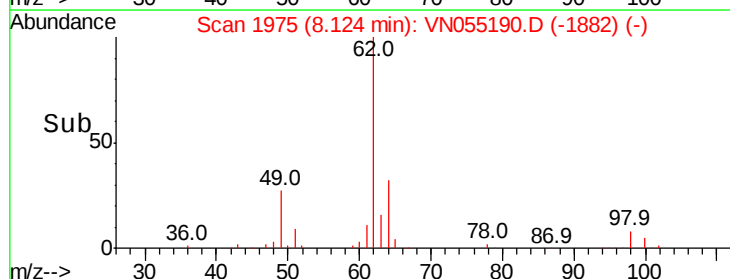
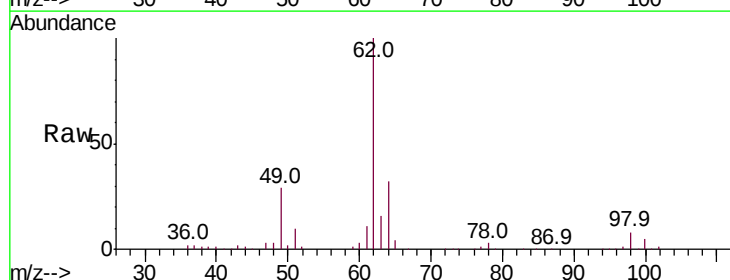
Manual Integrations
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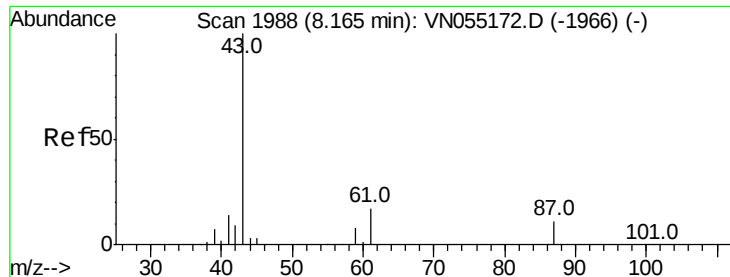
MMDadoda
4/23/2019 1:47:38 PM



#42
1,2-Dichloroethane
Concen: 50.283 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0





#43

Isopropyl Acetate

Concen: 56.965 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Instrument :

MSVOA_N

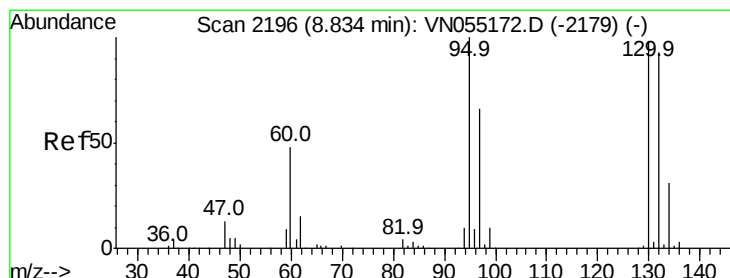
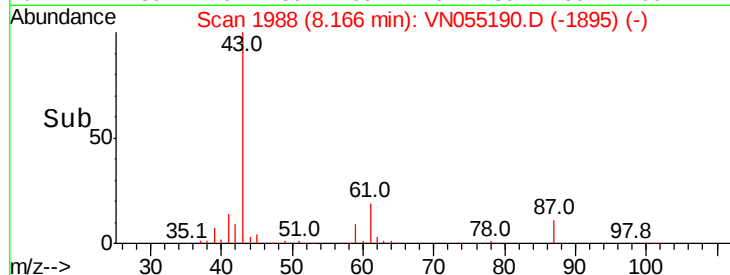
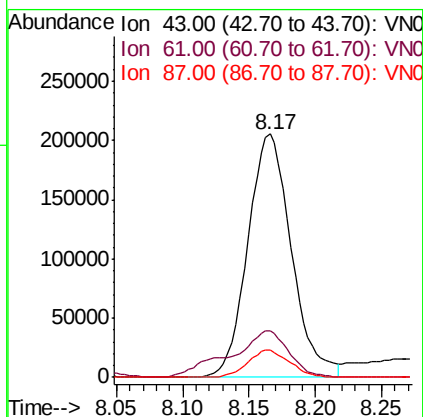
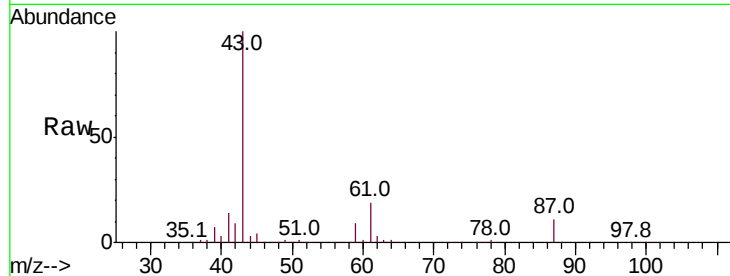
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	468424
Ion Ratio	Lower	Upper	
43	100		
61	25.3	20.6	30.8
87	10.8	8.8	13.2

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#44

Trichloroethene

Concen: 50.038 ug/l

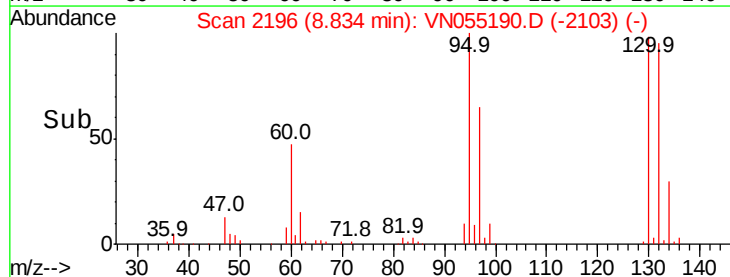
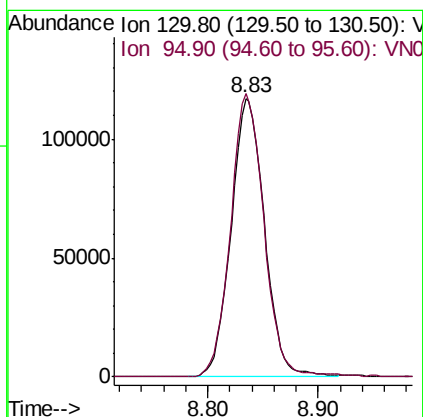
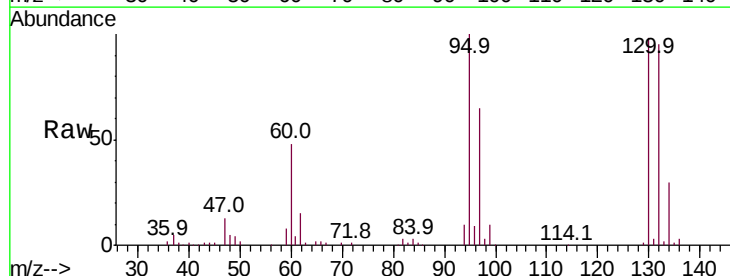
RT: 8.83 min Scan# 2196

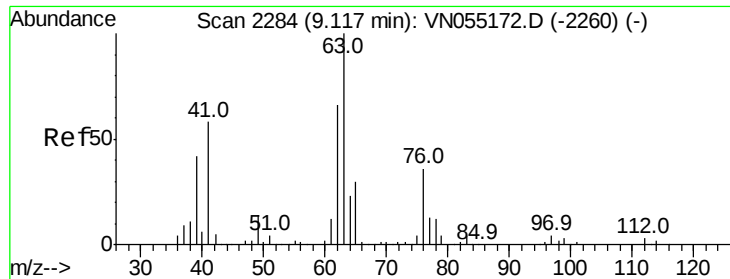
Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Tgt Ion:	130	Resp:	245656
Ion Ratio	Lower	Upper	
130	100		
95	101.5	0.0	203.6





#45

1,2-Dichloropropane

Concen: 50.734 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 278167

Ion Ratio Lower Upper

63 100

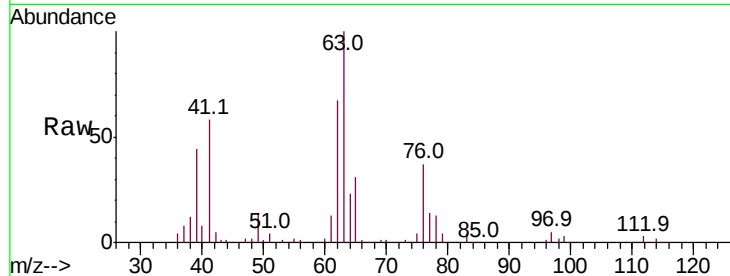
65 30.6 23.8 35.6

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

150000

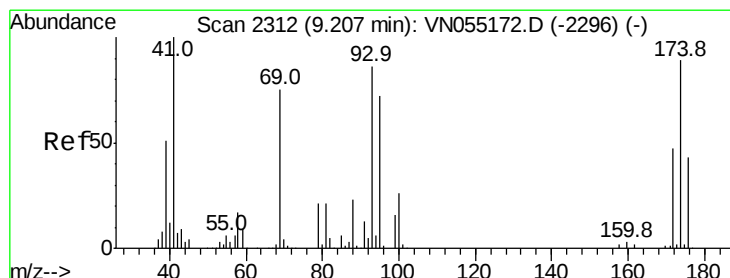
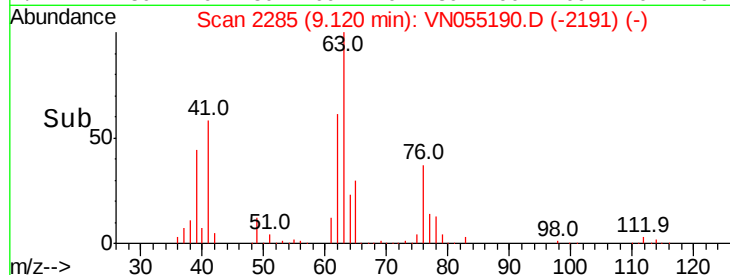
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 50.309 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

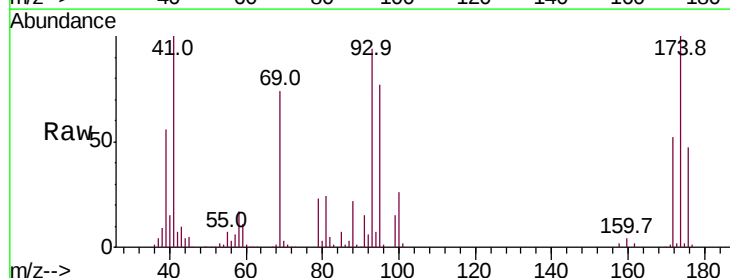
Tgt Ion: 93 Resp: 157904

Ion Ratio Lower Upper

93 100

95 82.9 67.6 101.4

174 103.1 83.4 125.2



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

60000

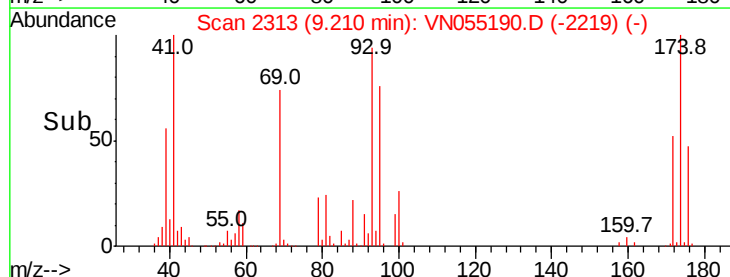
40000

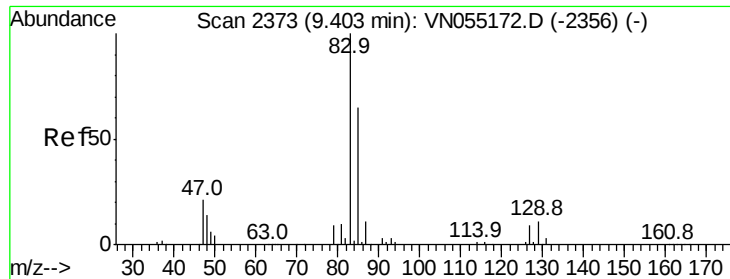
20000

0

9.10 9.20 9.30

Time-->





#47

Bromodichloromethane

Concen: 52.085 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Instrument :

MSVOA_N

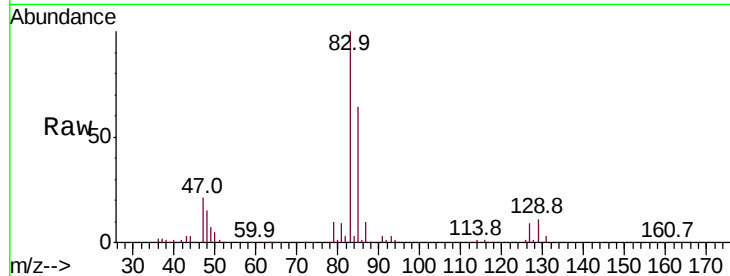
ClientSampleId :

VSTDCCC050EC

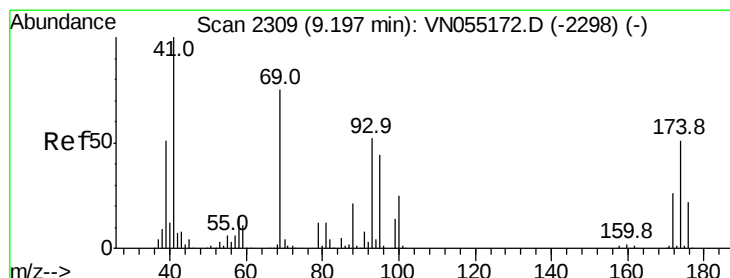
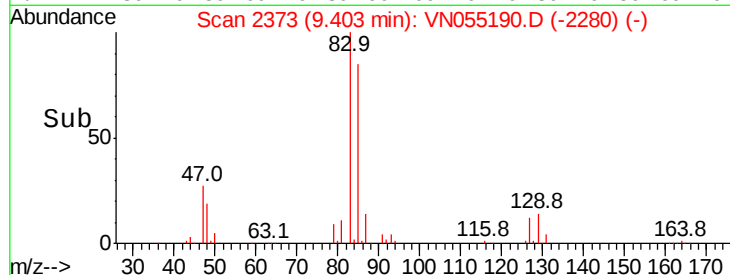
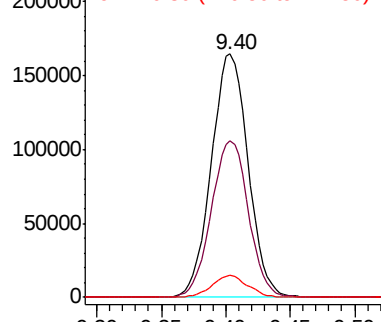
Tot Ion:	83	Resp:	327265
Ion Ratio	Lower	Upper	
83	100		
85	64.2	52.1	78.1
127	9.0	6.9	10.3

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Abundance Ion 82.90 (82.60 to 83.60): VN055190.D (-2280) (-)



#48

Methyl methacrylate

Concen: 54.048 ug/l

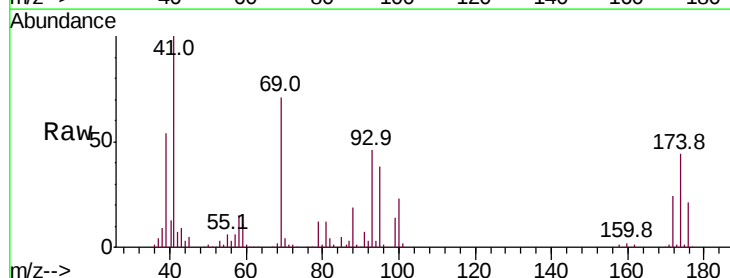
RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

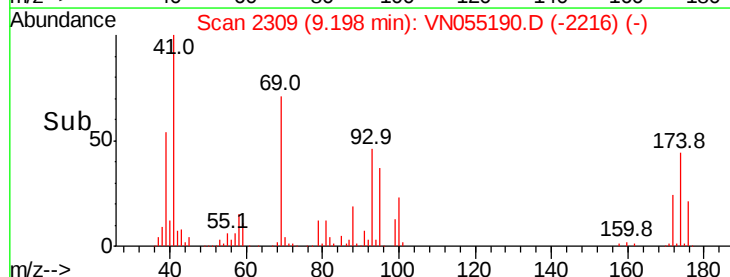
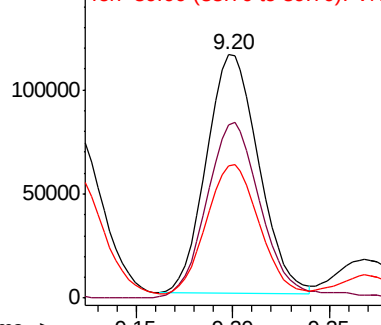
Lab File: VN055190.D

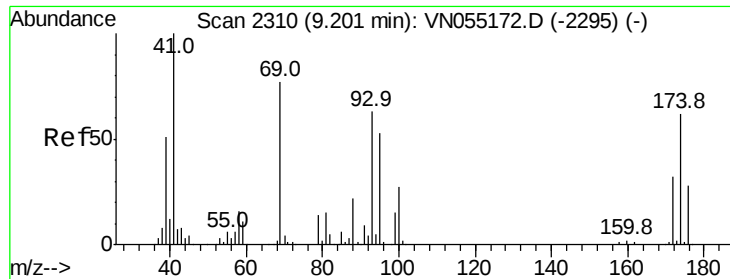
Acq: 22 Apr 2019 19:00

Tgt Ion:	41	Resp:	215588
Ion Ratio	Lower	Upper	
41	100		
69	77.6	63.6	95.4
39	57.0	43.8	65.8



Abundance Ion 41.00 (40.70 to 41.70): VN055190.D (-2216) (-)





#49

1,4-Dioxane

Concen: 1041.230 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055190.D

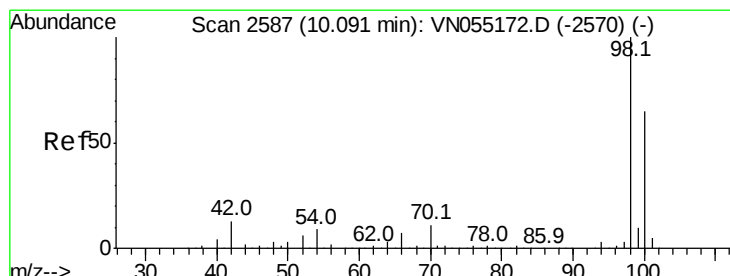
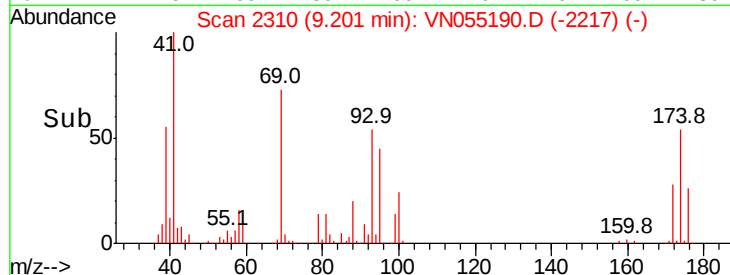
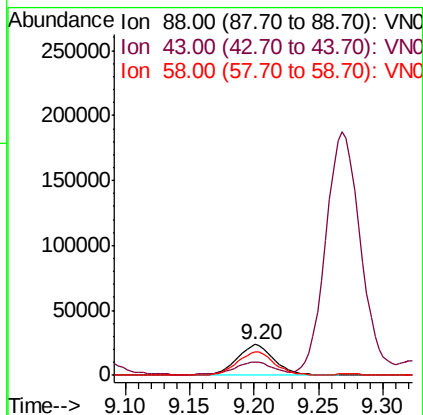
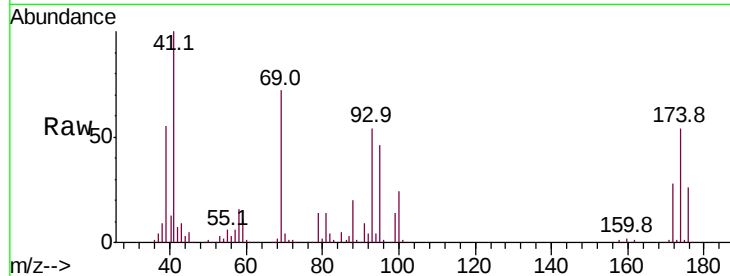
Acq: 22 Apr 2019 19:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	47963
Ion	Ratio	Lower	Upper
88	100		
43	39.6	32.0	48.0
58	76.3	60.4	90.6

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#50

Toluene-d8

Concen: 49.778 ug/l

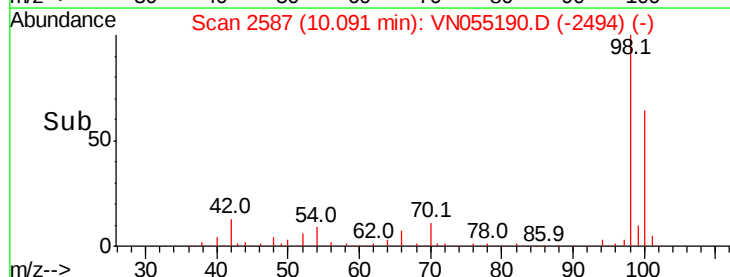
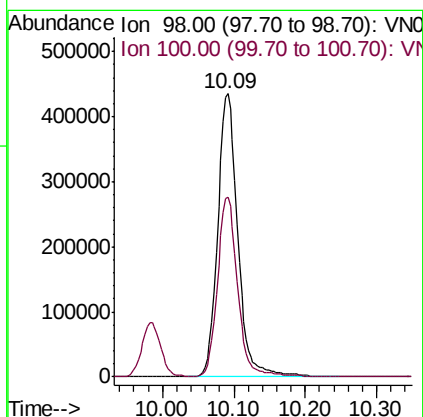
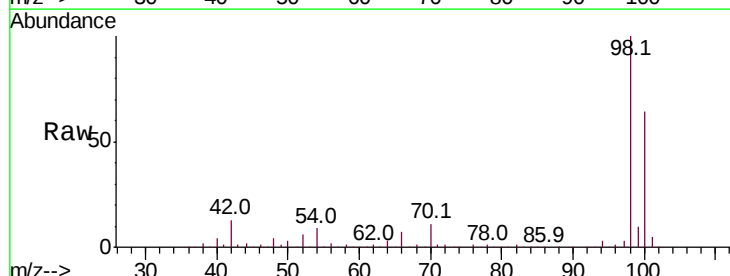
RT: 10.09 min Scan# 2587

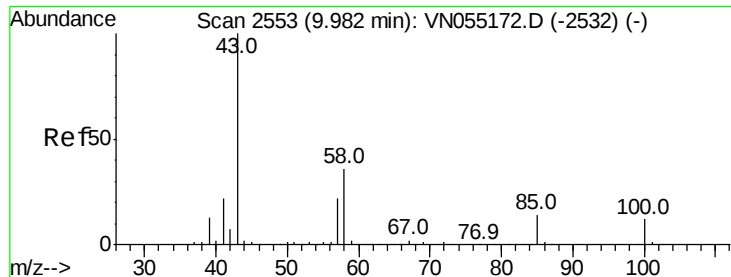
Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Tgt Ion	98	Resp	849413
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 273.116 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1292329

Ion Ratio Lower Upper

43 100

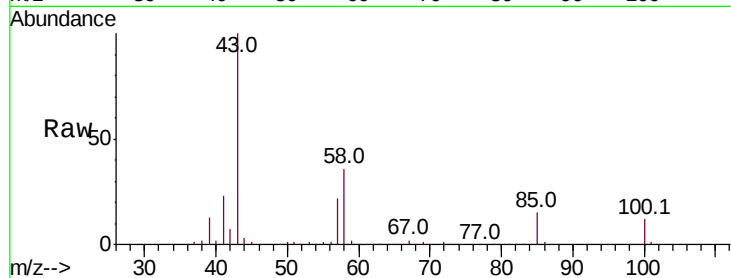
58 35.9 28.3 42.5

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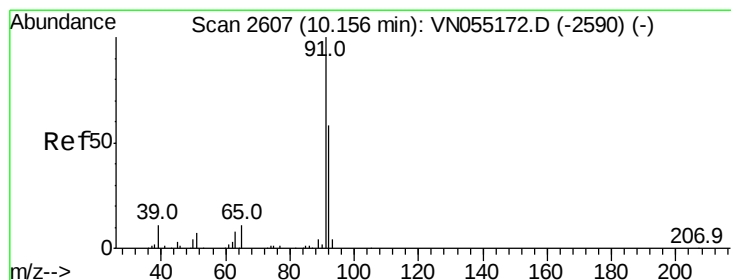
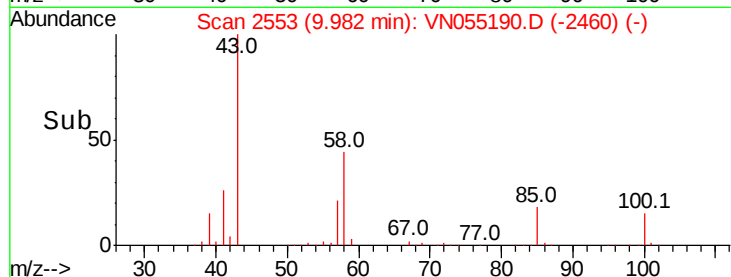
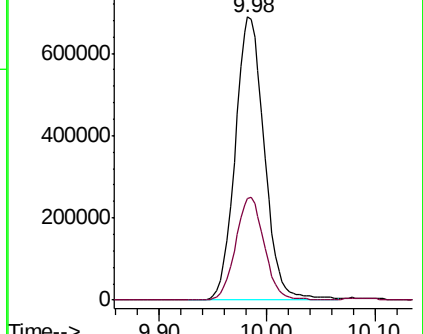
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.848 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055190.D

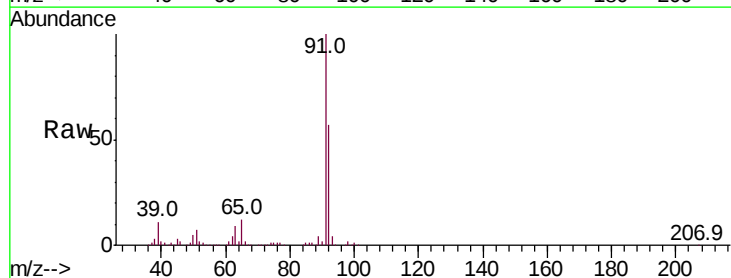
Acq: 22 Apr 2019 19:00

Tgt Ion: 92 Resp: 579002

Ion Ratio Lower Upper

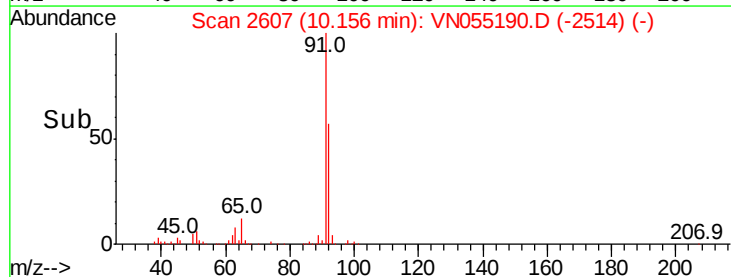
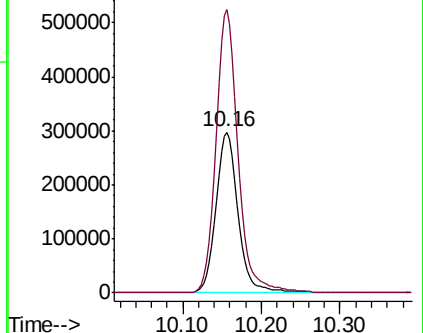
92 100

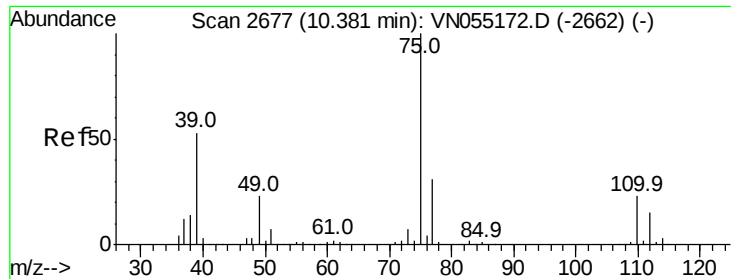
91 174.7 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





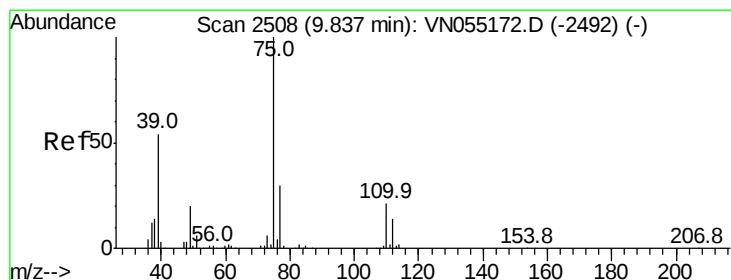
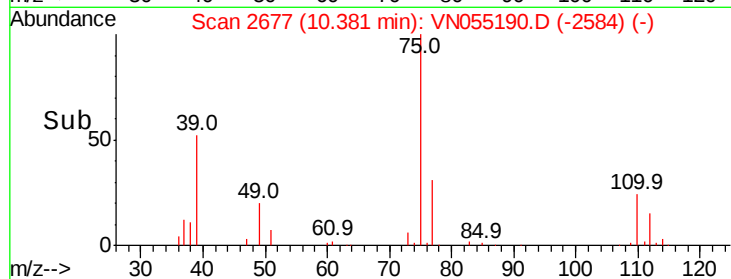
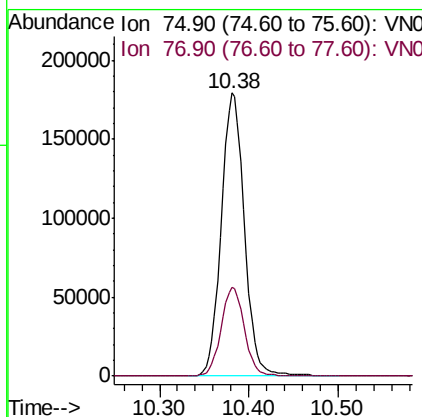
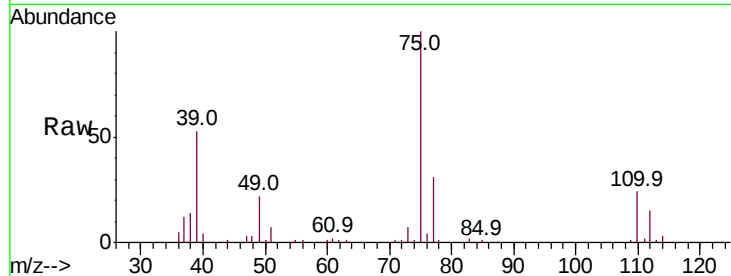
#53
t-1,3-Dichloropropene
Concen: 55.824 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 321898
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7

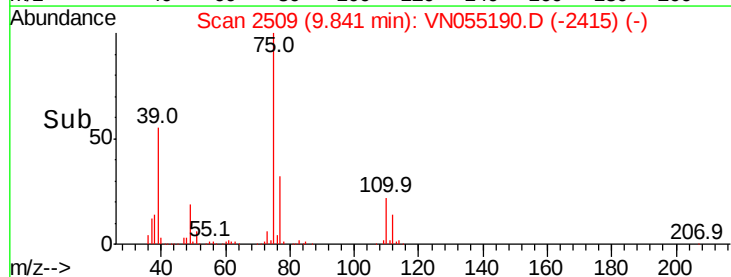
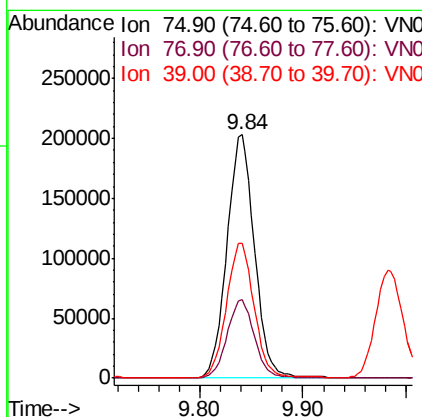
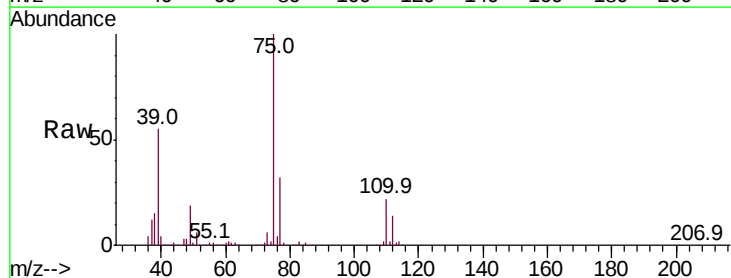
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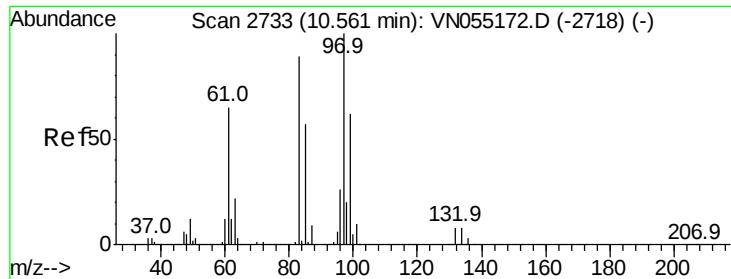
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#54
cis-1,3-Dichloropropene
Concen: 52.920 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Tgt Ion: 75 Resp: 378679
Ion Ratio Lower Upper
75 100
77 32.0 24.3 36.5
39 55.1 43.0 64.4





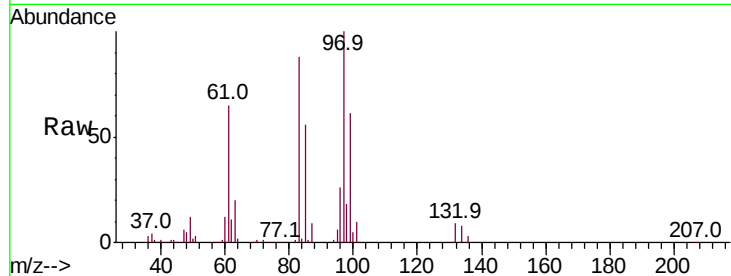
#55
 1,1,2-Trichloroethane
 Concen: 51.857 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

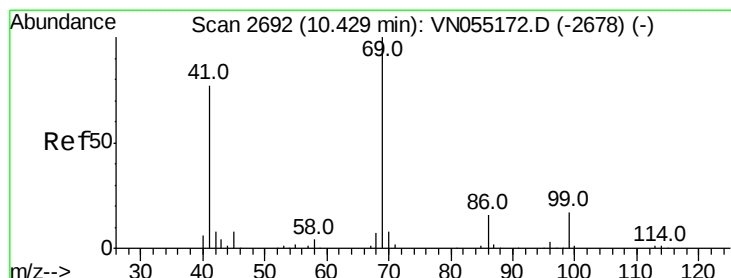
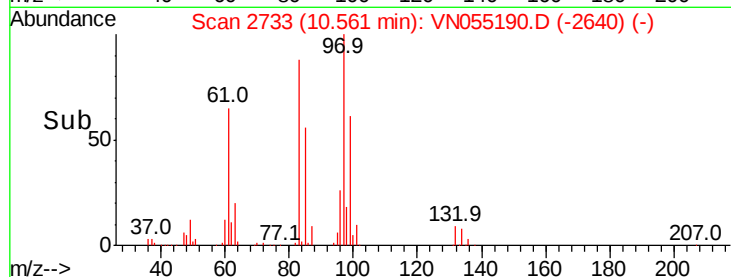
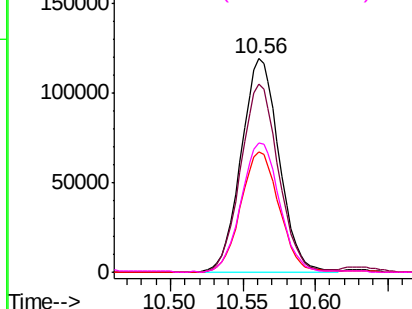
Tot Ion:	97	Resp:	217697
Ion	Ratio	Lower	Upper
97	100		
83	88.0	71.5	107.3
85	56.5	45.8	68.6
99	60.5	49.9	74.9

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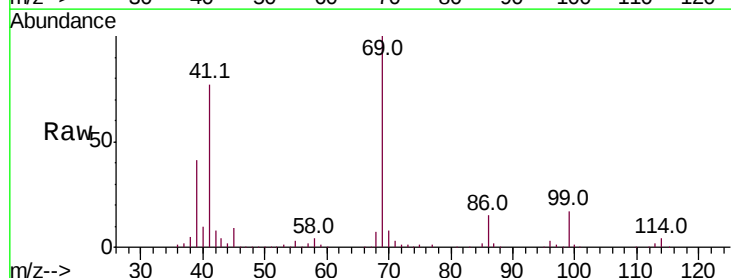


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

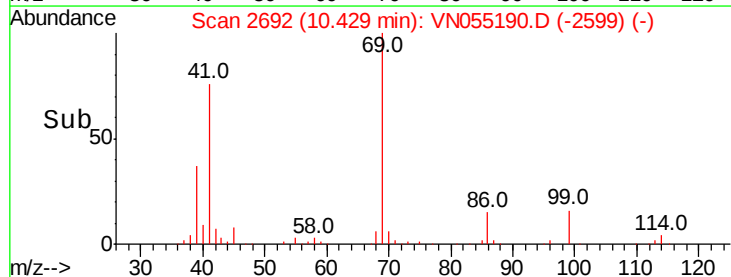
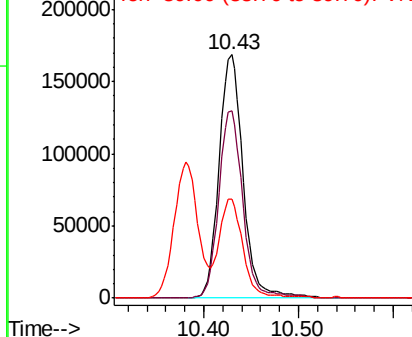


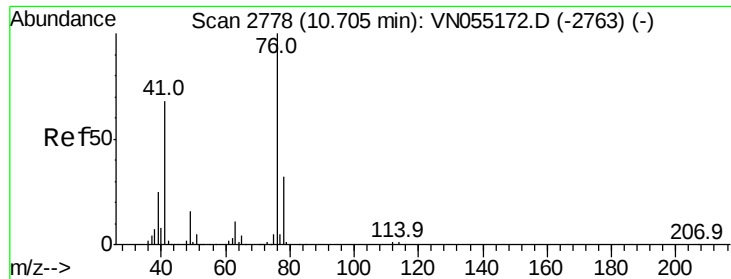
#56
 Ethyl methacrylate
 Concen: 56.949 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Tgt Ion:	69	Resp:	297822
Ion	Ratio	Lower	Upper
69	100		
41	76.2	60.6	90.8
39	39.1	31.7	47.5



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: 52.276 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 381821

Ion Ratio Lower Upper

76 100

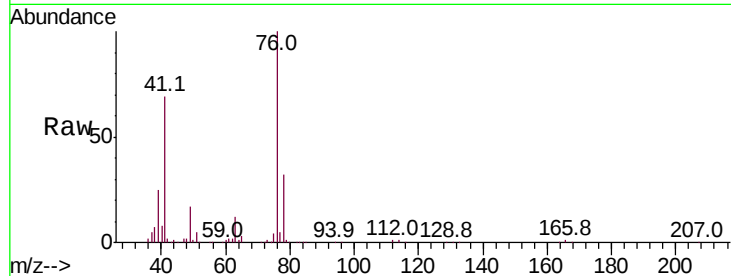
78 31.6 25.3 37.9

Manual Integrations

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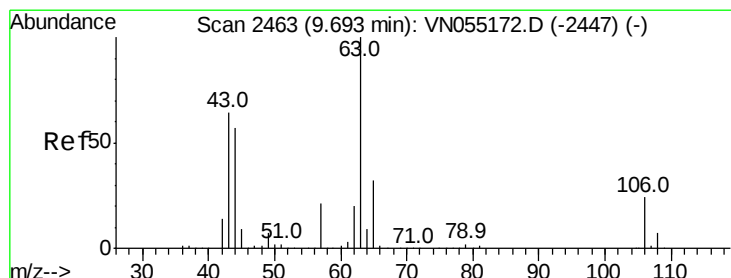
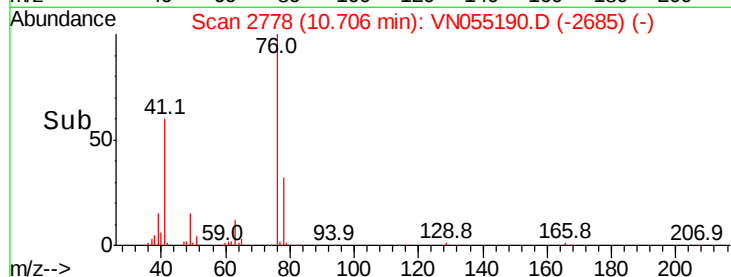
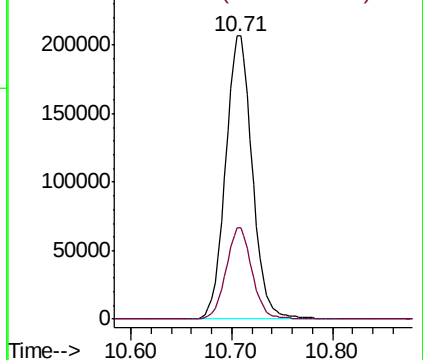
MMDadoda

4/23/2019 1:47:38 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 243.650 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055190.D

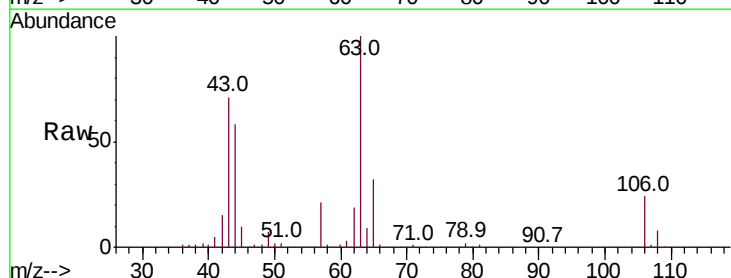
Acq: 22 Apr 2019 19:00

Tgt Ion: 63 Resp: 490374

Ion Ratio Lower Upper

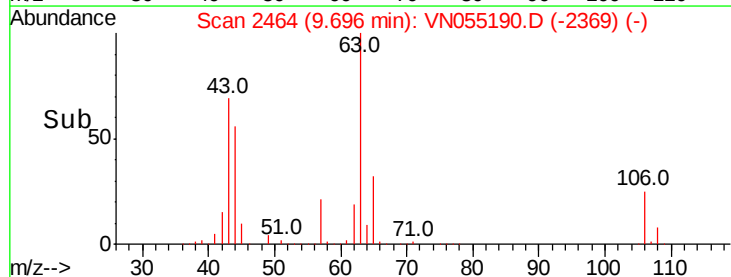
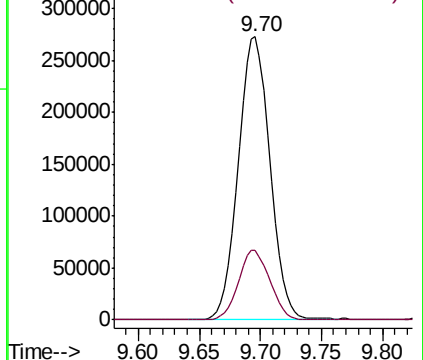
63 100

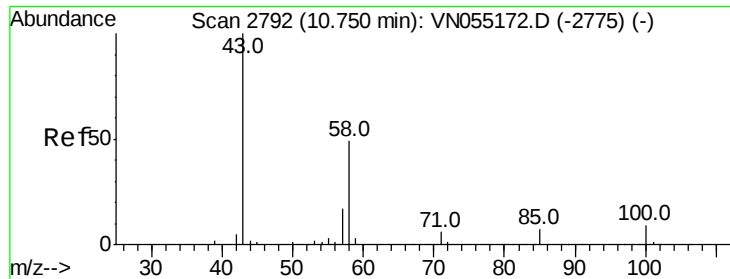
106 24.5 19.4 29.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





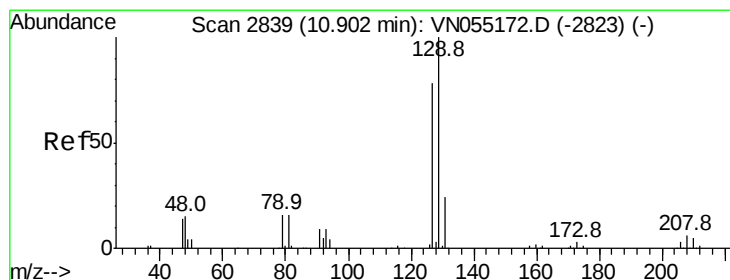
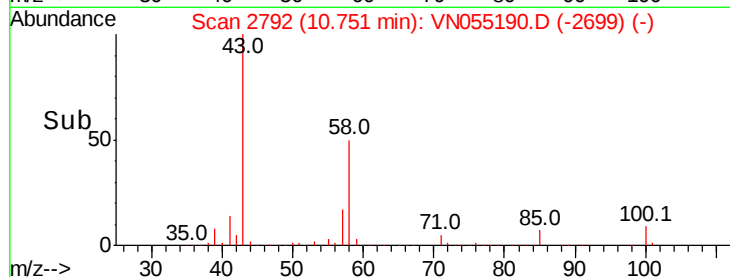
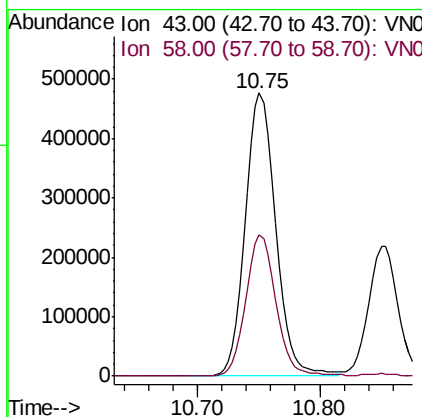
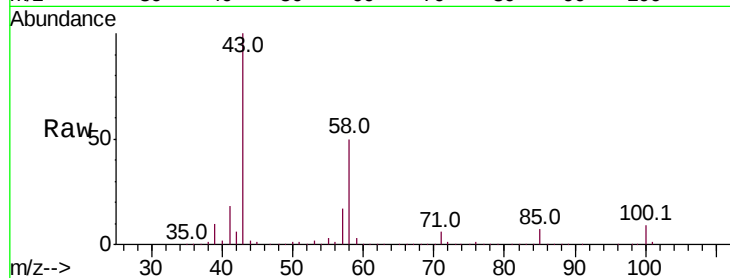
#59
2-Hexanone
Concen: 272.665 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 814947
Ion Ratio Lower Upper
43 100
58 49.6 24.5 73.5

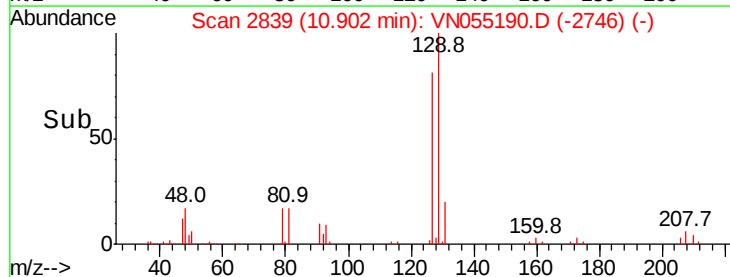
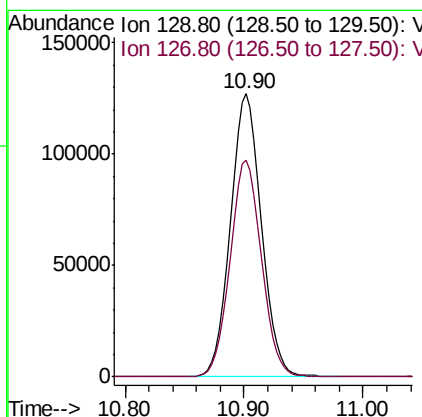
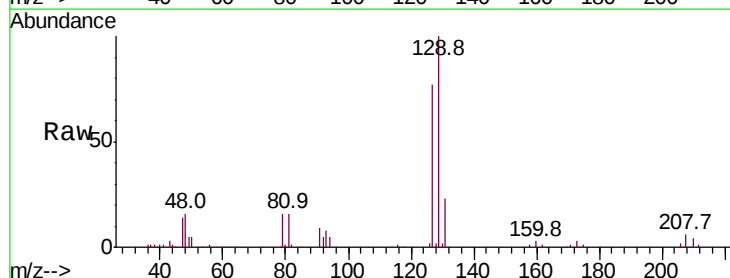
Manual Integrations
APPROVED

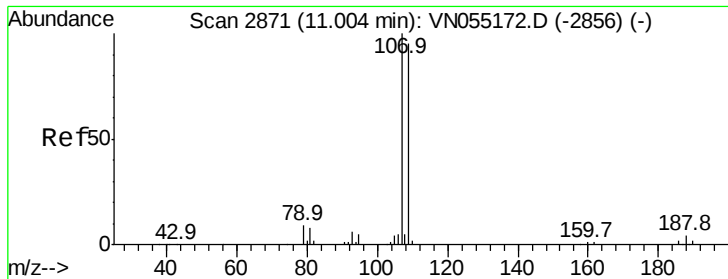
MMDadoda
4/23/2019 1:47:38 PM



#60
Dibromochloromethane
Concen: 52.976 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Tgt Ion: 129 Resp: 229071
Ion Ratio Lower Upper
129 100
127 77.4 39.0 117.0





#61

1,2-Dibromoethane

Concen: 53.800 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 212346

Ion Ratio Lower Upper

107 100

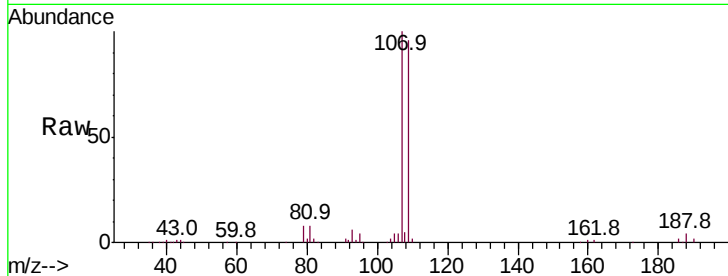
109 93.7 75.8 113.6

Manual Integrations

APPROVED

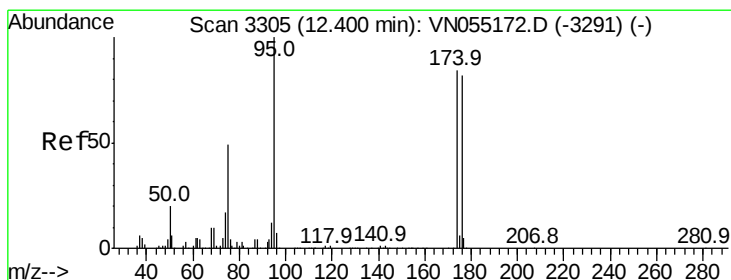
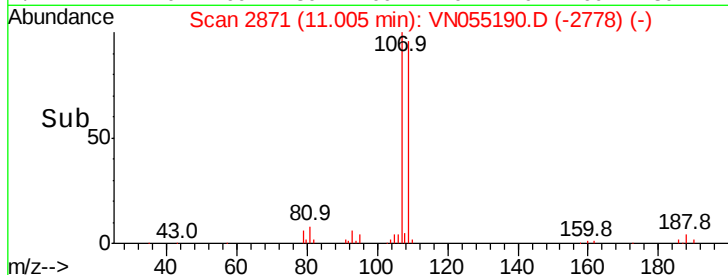
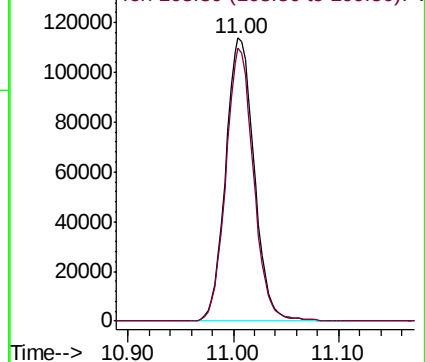
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.533 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

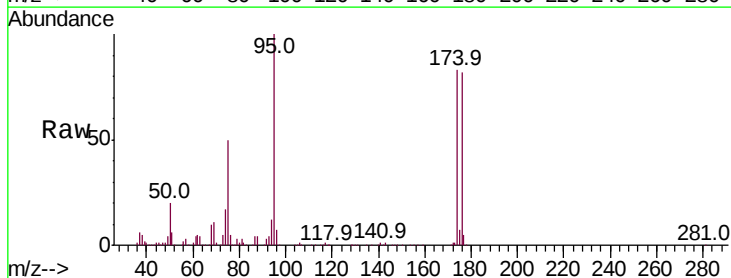
Tgt Ion: 95 Resp: 278471

Ion Ratio Lower Upper

95 100

174 84.7 0.0 168.4

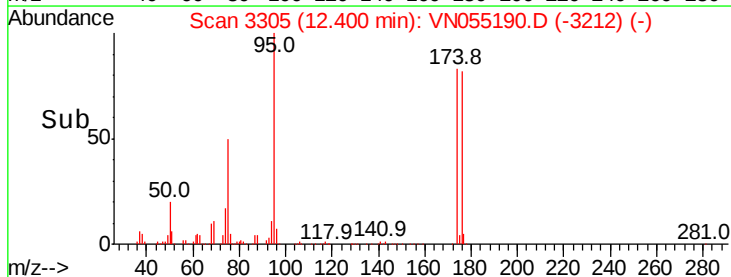
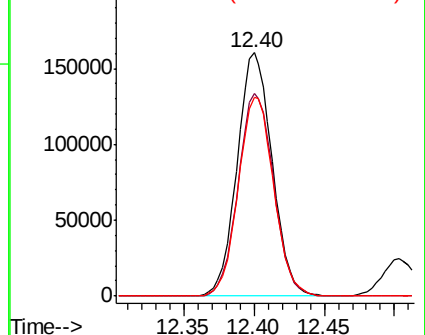
176 82.8 0.0 164.0

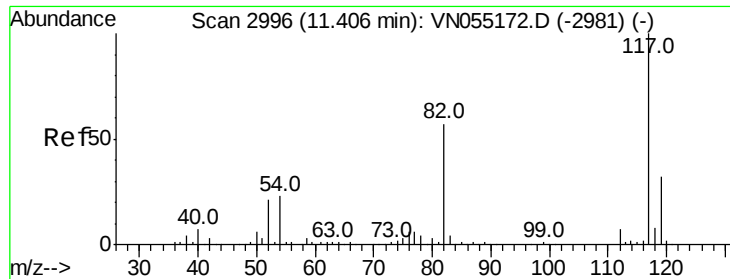


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





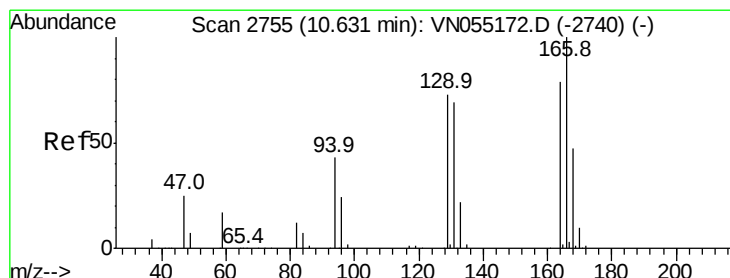
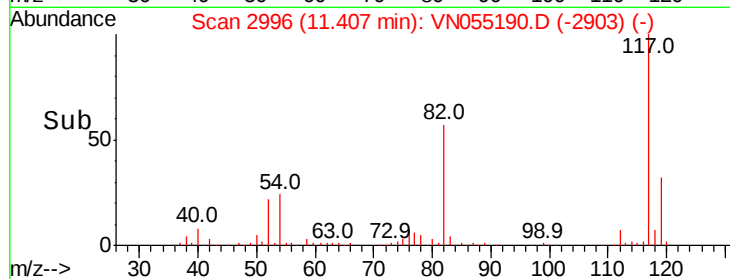
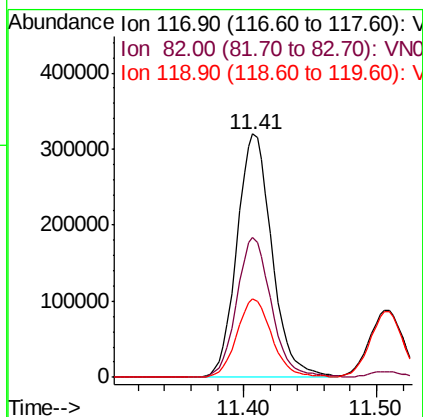
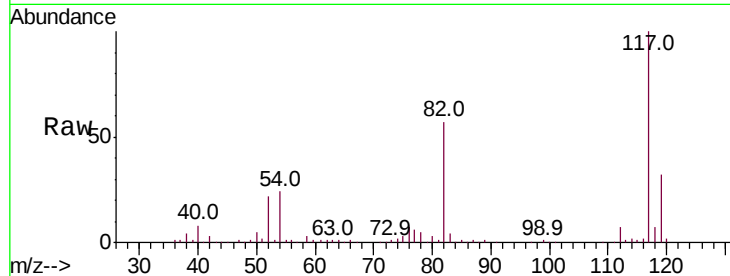
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.7	68.5
119	32.0	25.4	38.2

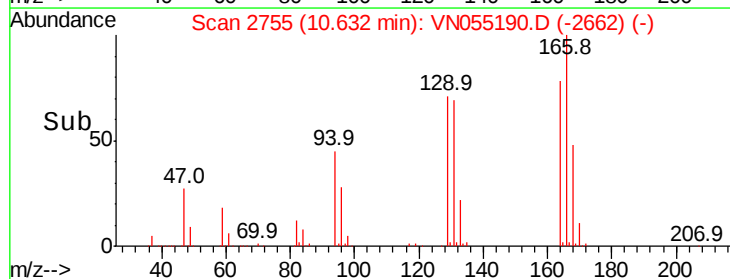
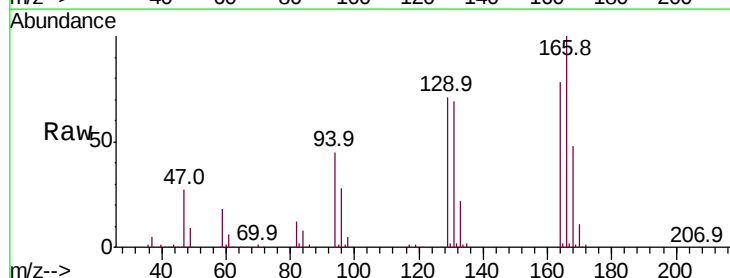
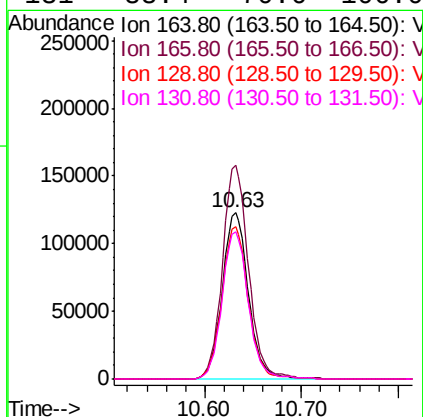
Manual Integrations
APPROVED

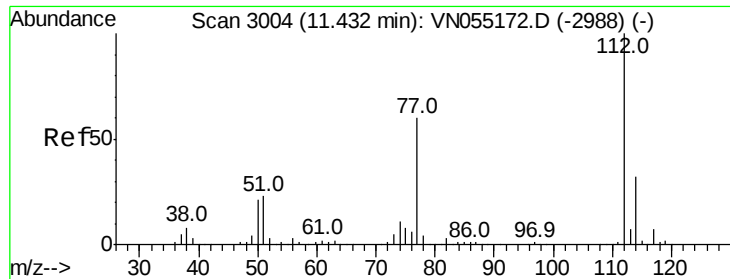
MMDadoda
4/23/2019 1:47:38 PM



#64
Tetrachloroethene
Concen: 48.282 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	101.9	152.9
129	91.8	74.1	111.1
131	88.4	70.6	106.0





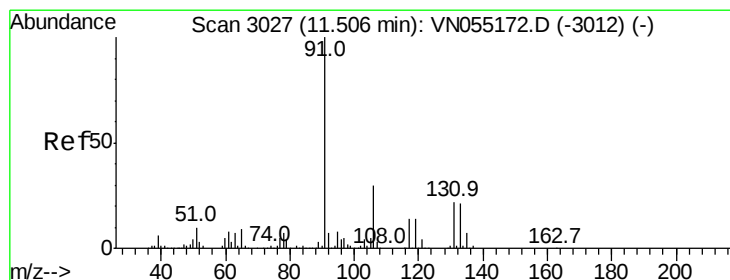
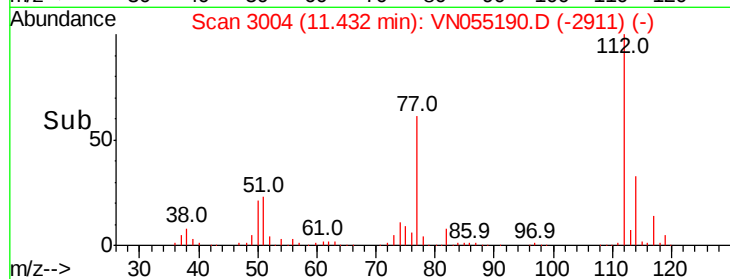
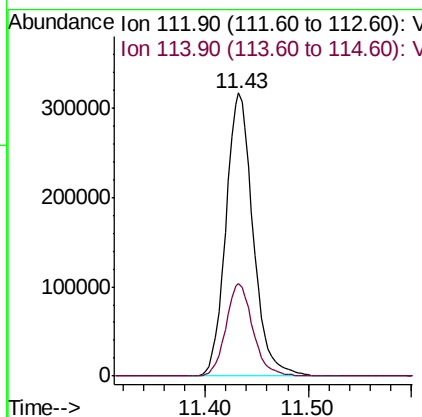
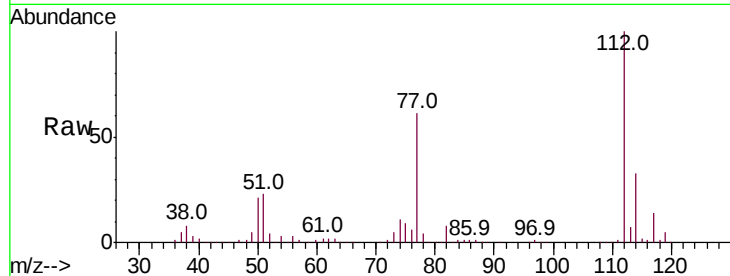
#65
Chlorobenzene
Concen: 48.481 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 581129
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.0

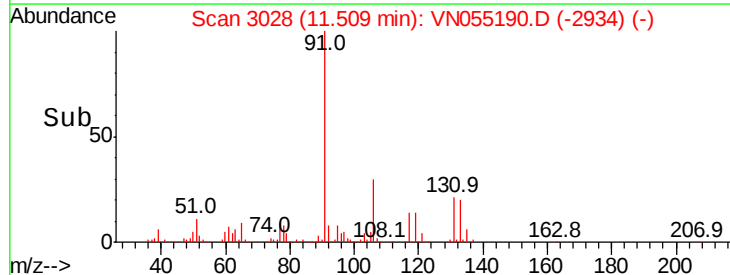
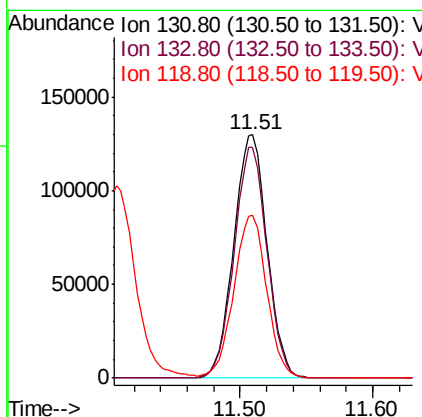
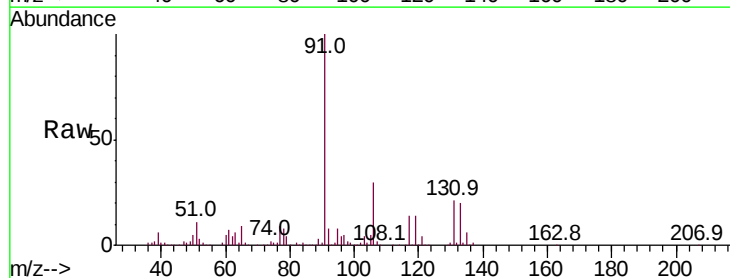
Manual Integrations
APPROVED

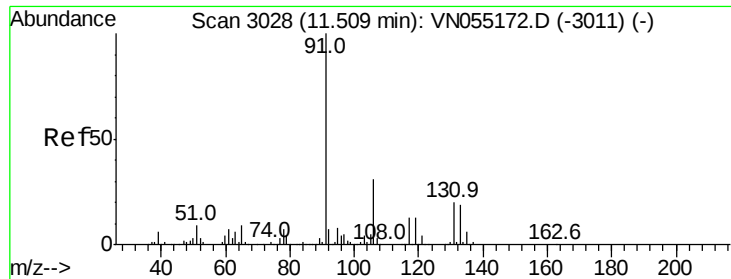
MMDadoda
4/23/2019 1:47:38 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.943 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Tgt Ion:131 Resp: 226321
Ion Ratio Lower Upper
131 100
133 93.5 47.7 143.1
119 66.1 33.2 99.6





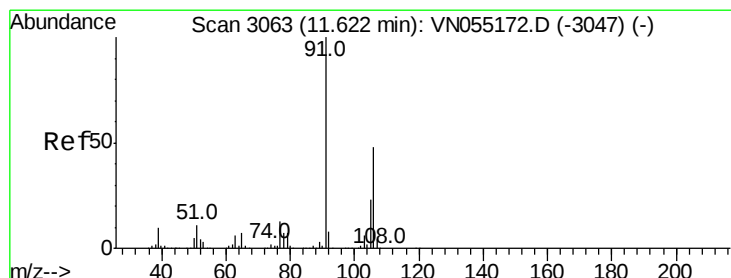
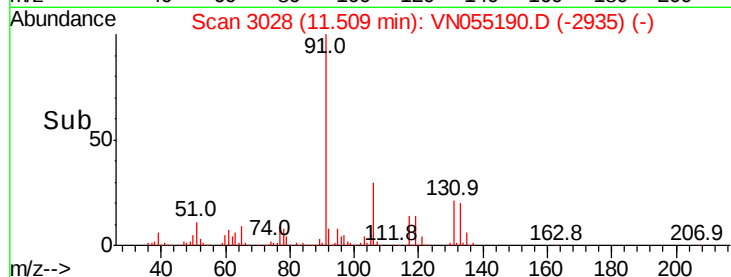
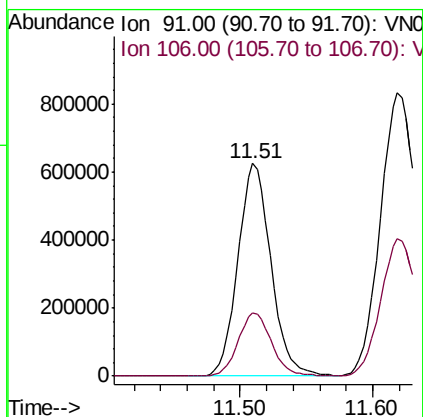
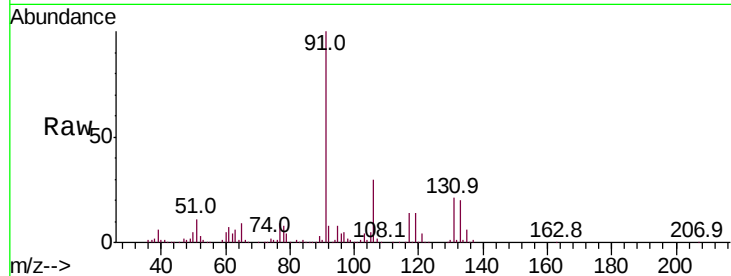
#67
Ethyl Benzene
Concen: 50.622 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1080890
Ion Ratio Lower Upper
91 100
106 30.0 24.5 36.7

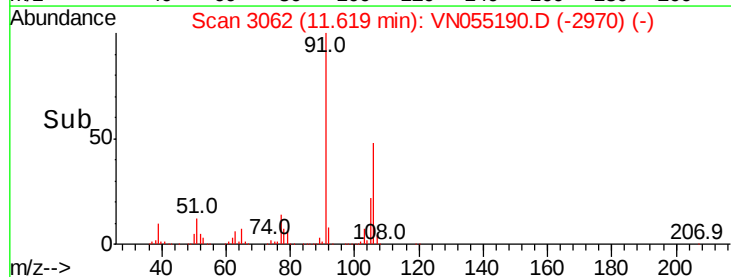
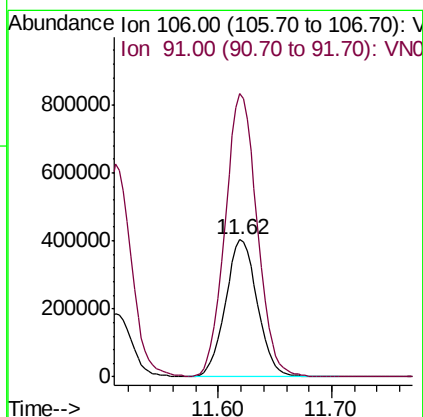
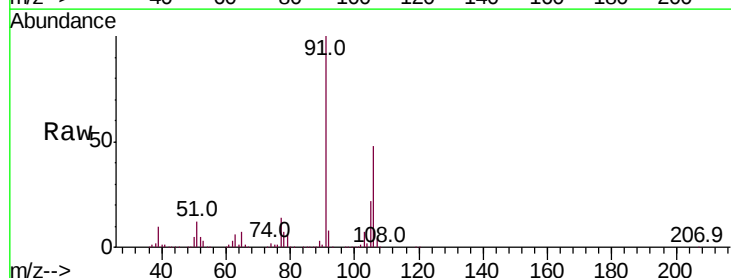
Manual Integrations
APPROVED

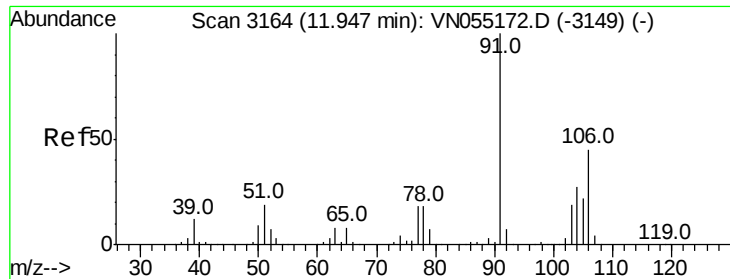
MMDadoda
4/23/2019 1:47:38 PM



#68
m/p-Xylenes
Concen: 103.565 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Tgt Ion: 106 Resp: 793116
Ion Ratio Lower Upper
106 100
91 206.5 167.1 250.7





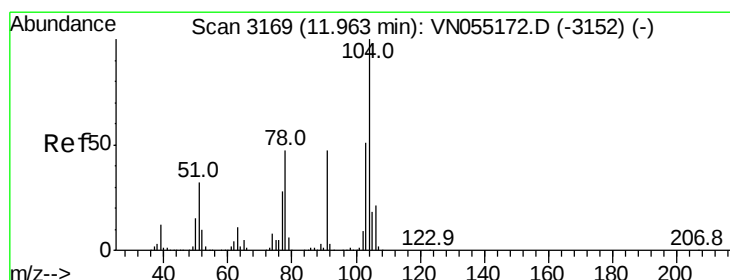
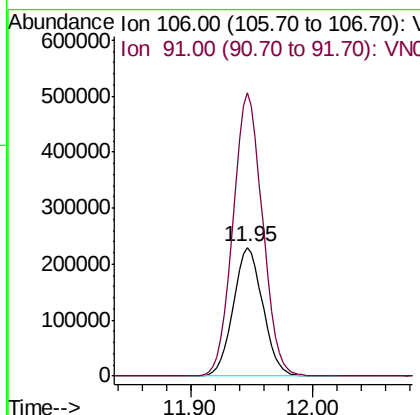
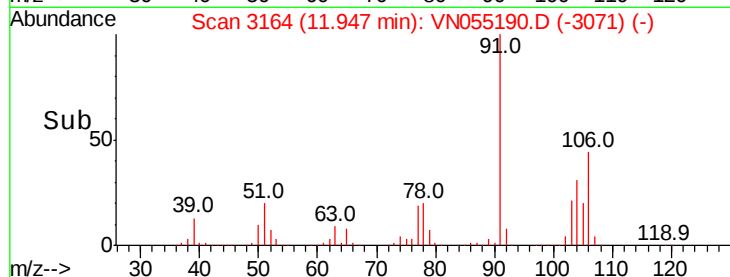
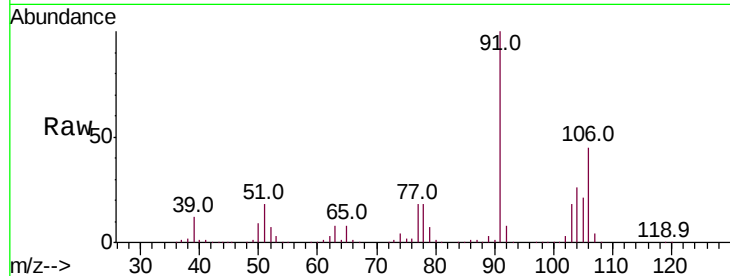
#69
o-Xylene
Concen: 50.807 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 386130
Ion Ratio Lower Upper
106 100
91 220.2 110.6 331.8

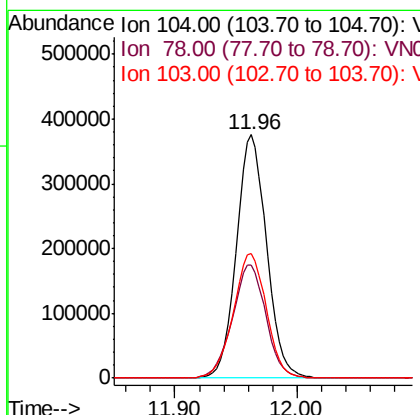
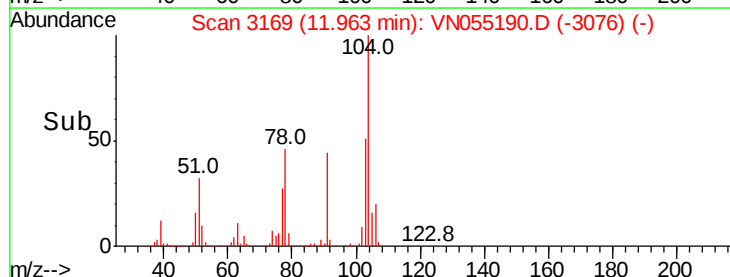
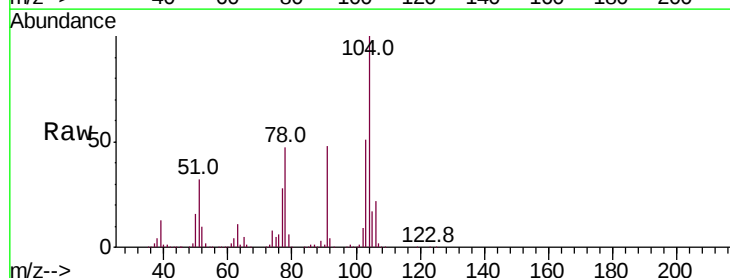
Manual Integrations
APPROVED

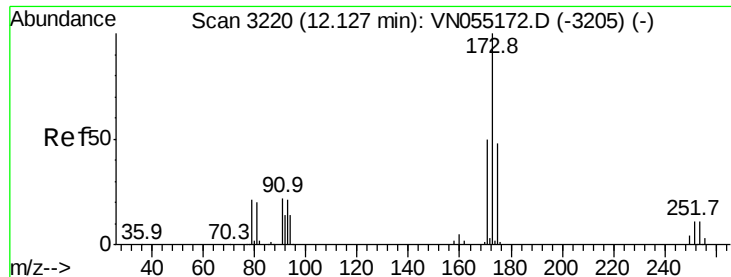
MMDadoda
4/23/2019 1:47:38 PM



#70
Styrene
Concen: 54.496 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Tgt Ion:104 Resp: 641986
Ion Ratio Lower Upper
104 100
78 51.9 41.3 61.9
103 56.2 44.2 66.4





#71

Bromoform

Concen: 55.041 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 145921

Ion Ratio Lower Upper

173 100

175 48.7 23.8 71.2

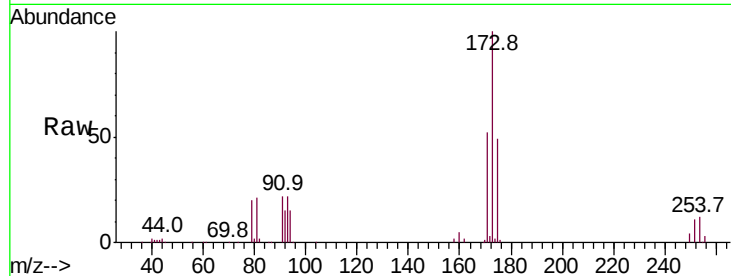
254 0.1 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

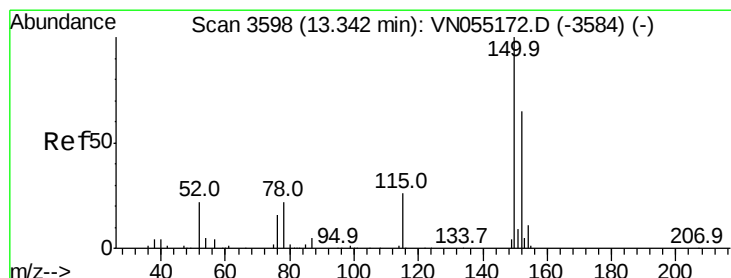
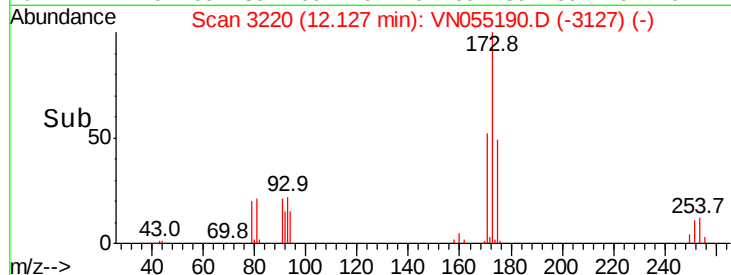
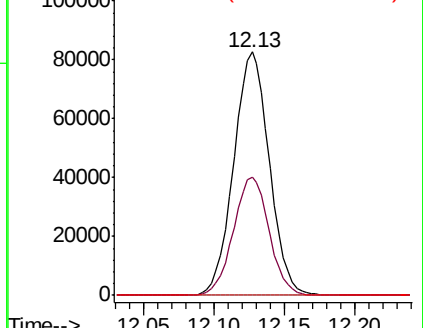
4/23/2019 1:47:38 PM



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: VN055190.D

Acq: 22 Apr 2019 19:00

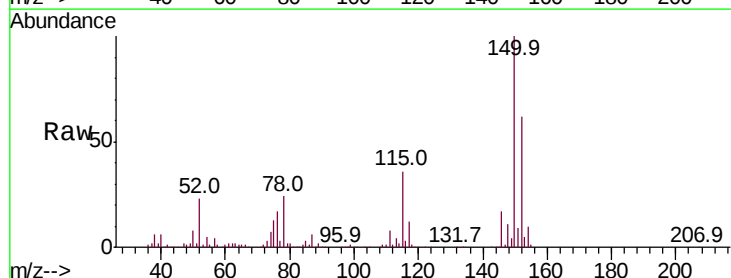
Tgt Ion:152 Resp: 247691

Ion Ratio Lower Upper

152 100

115 57.6 28.9 86.7

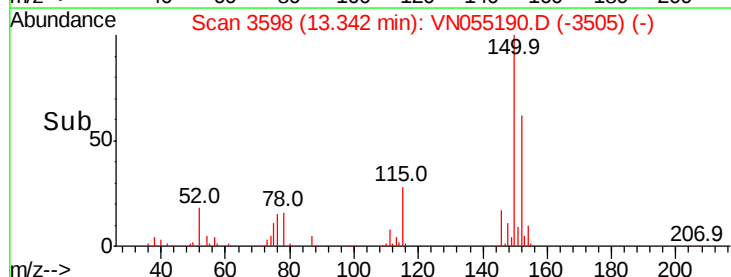
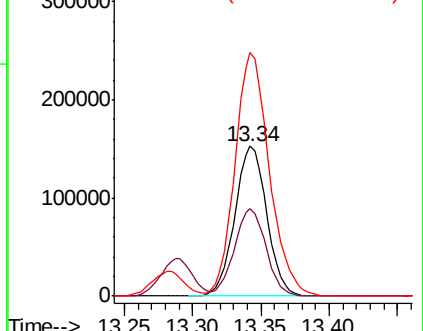
150 174.8 0.0 346.6

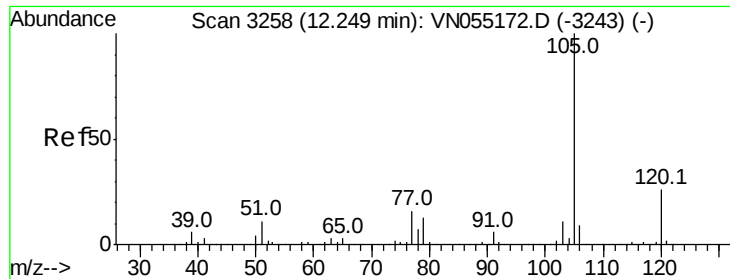


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.631 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1026118

Ion Ratio Lower Upper

105 100

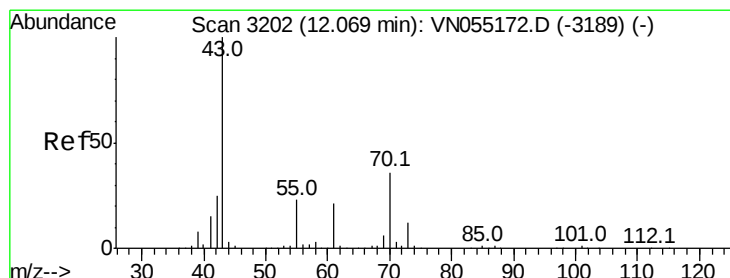
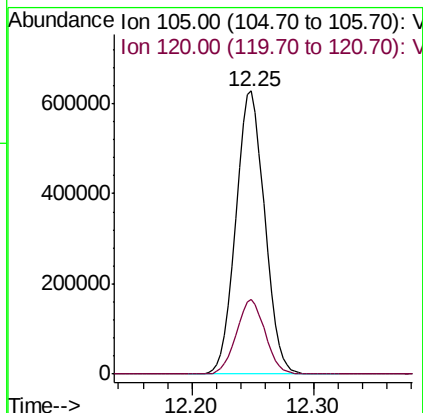
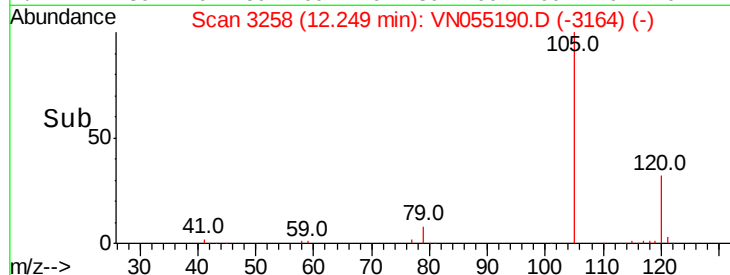
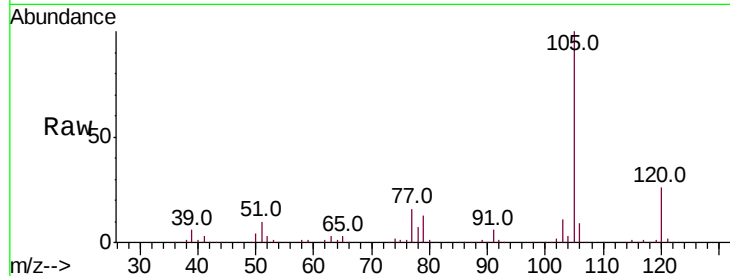
120 26.2 13.1 39.1

Manual Integrations

APPROVED

MMDadoda

4/23/2019 1:47:38 PM



#74

N-ethyl acetate

Concen: 54.752 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Tgt Ion: 43 Resp: 349647

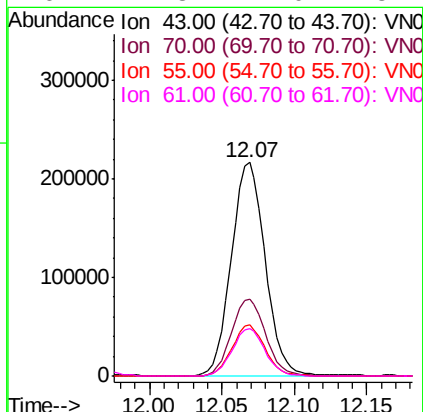
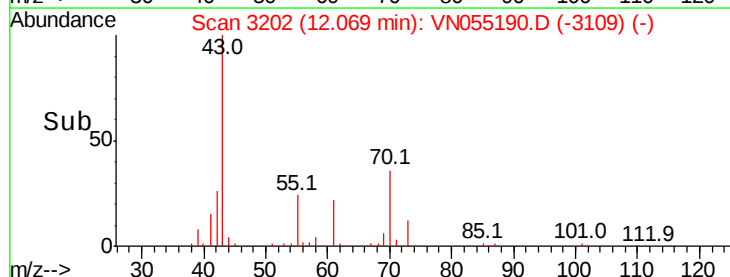
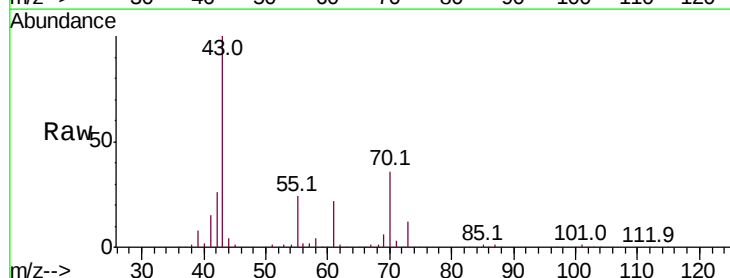
Ion Ratio Lower Upper

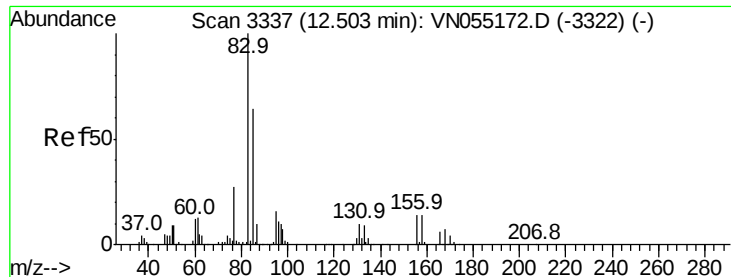
43 100

70 36.4 29.0 43.6

55 23.4 18.5 27.7

61 21.8 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 54.696 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 274333

Ion Ratio Lower Upper

83 100

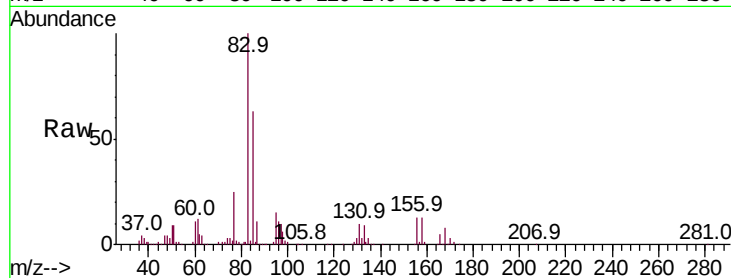
131 9.8 5.0 15.0

85 63.1 32.1 96.3

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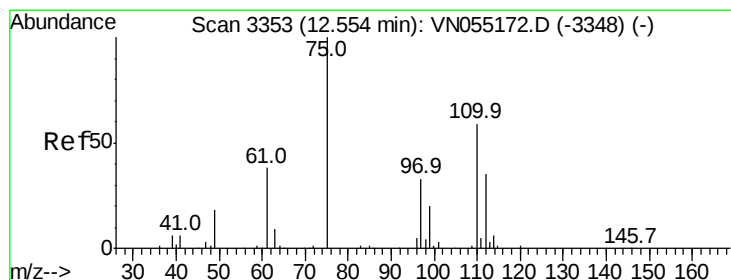
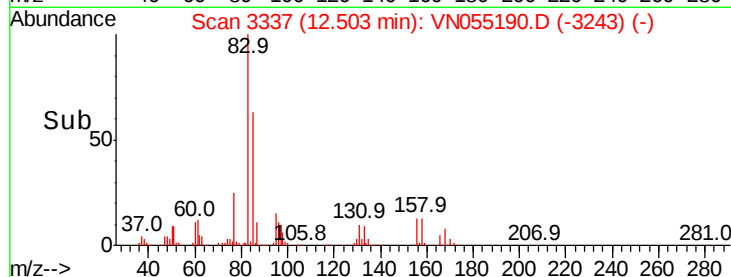
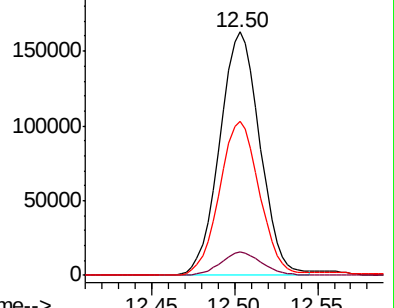
4/23/2019 1:47:38 PM



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 43.357 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055190.D

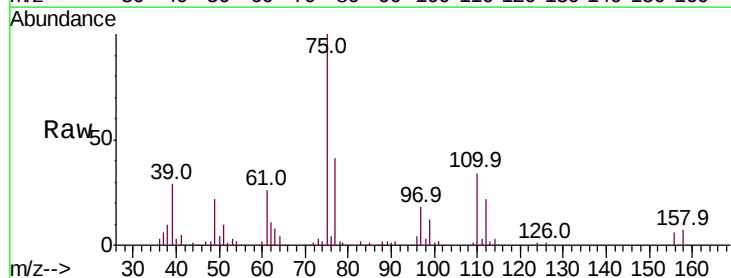
Acq: 22 Apr 2019 19:00

Tgt Ion: 75 Resp: 217869

Ion Ratio Lower Upper

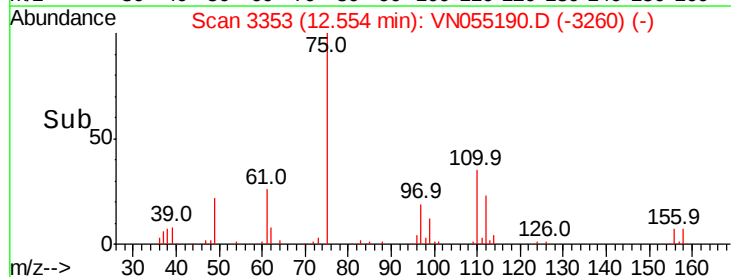
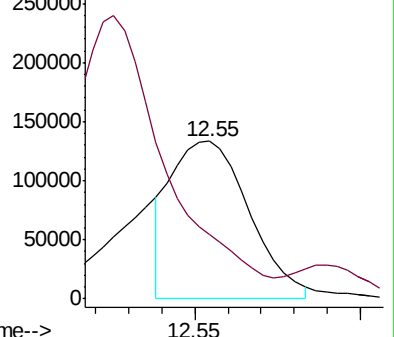
75 100

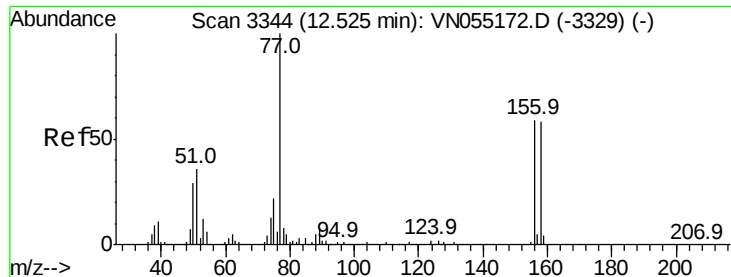
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 45.639 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Instrument :

MSVOA_N

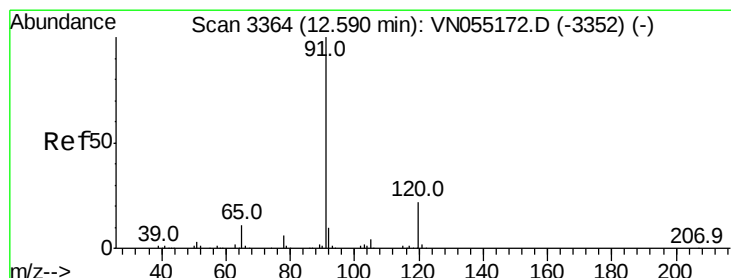
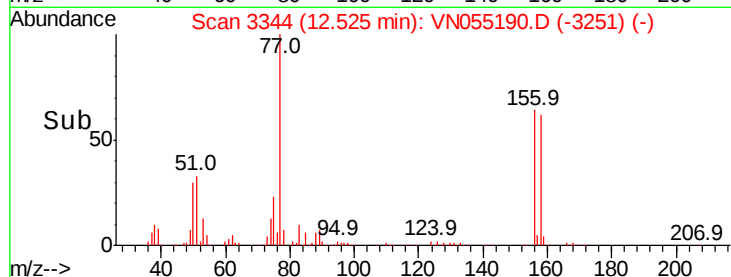
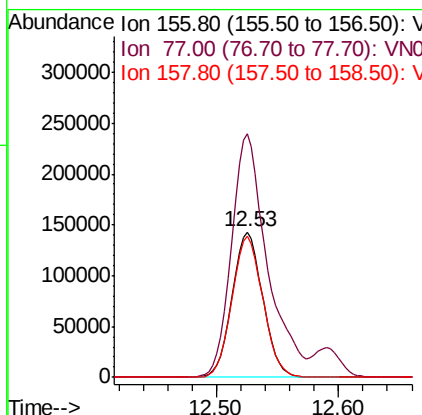
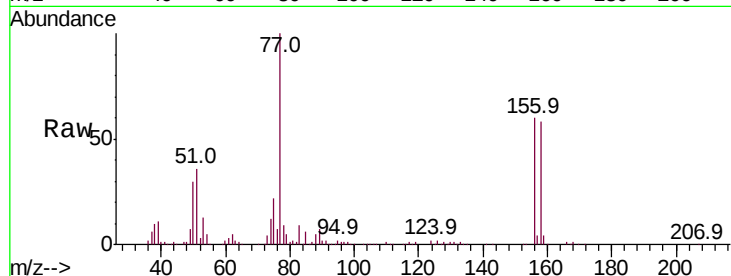
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	249559
Ion Ratio	Lower	Upper	
156	100		
77	195.7	98.0	293.9
158	97.7	48.9	146.8

Manual Integrations
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4/23/2019 1:47:38 PM



#78

n-propylbenzene

Concen: 45.643 ug/l

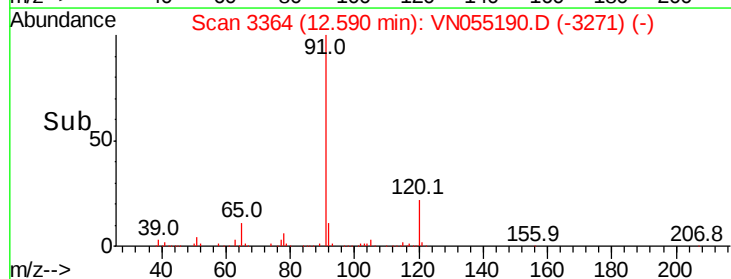
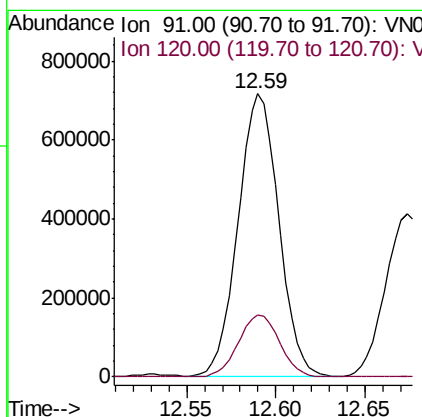
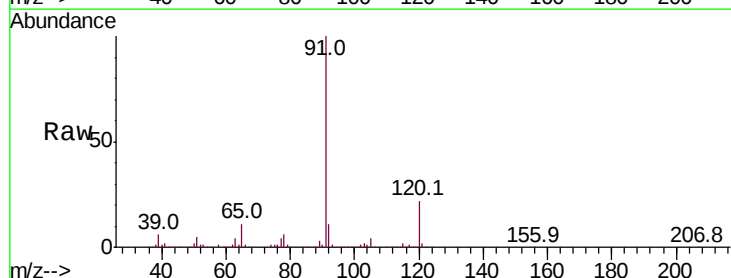
RT: 12.59 min Scan# 3364

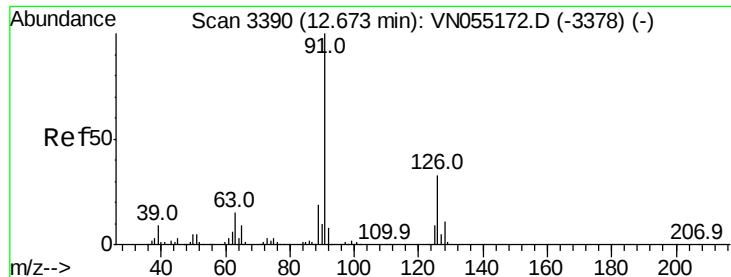
Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Tgt Ion:	91	Resp:	1133789
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.3	33.9





#79

2-Chlorotoluene

Concen: 44.569 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 699076

Ion Ratio Lower Upper

91 100

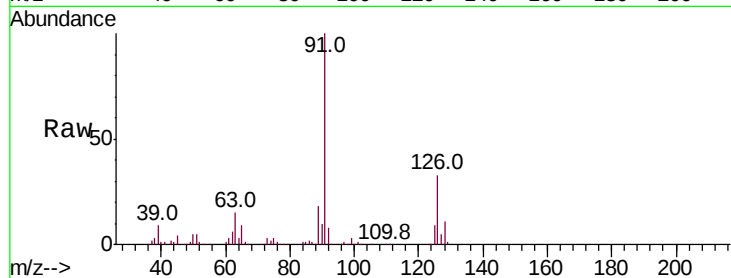
126 33.5 16.8 50.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055172.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055172.D (-3378) (-)

600000

400000

200000

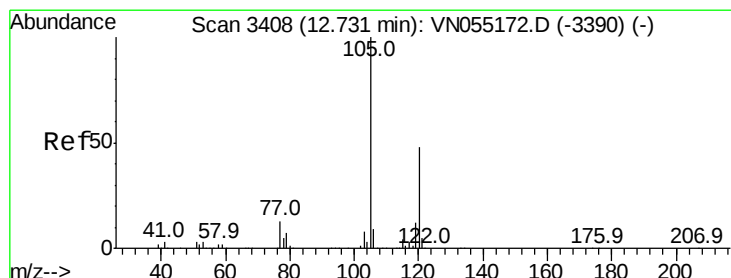
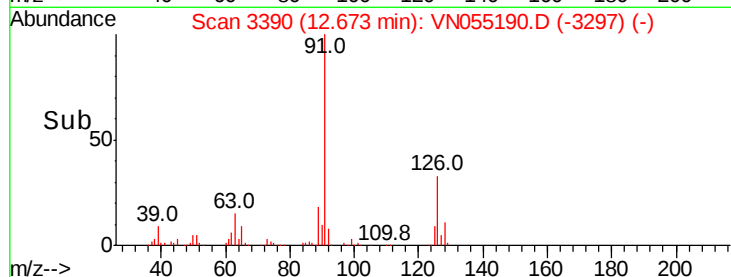
0

12.67

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 45.821 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055190.D

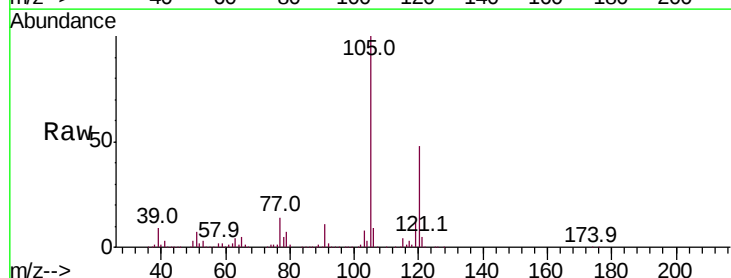
Acq: 22 Apr 2019 19:00

Tgt Ion:105 Resp: 849617

Ion Ratio Lower Upper

105 100

120 47.6 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN055172.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055172.D (-3390) (-)

600000

500000

400000

300000

200000

100000

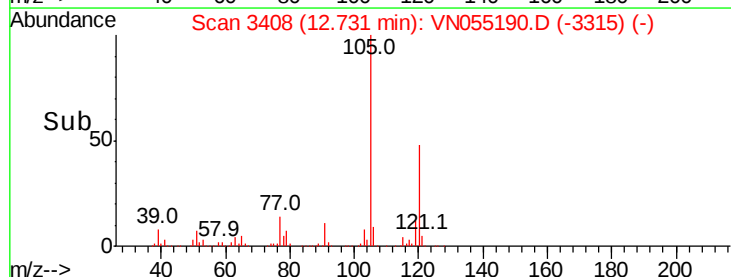
0

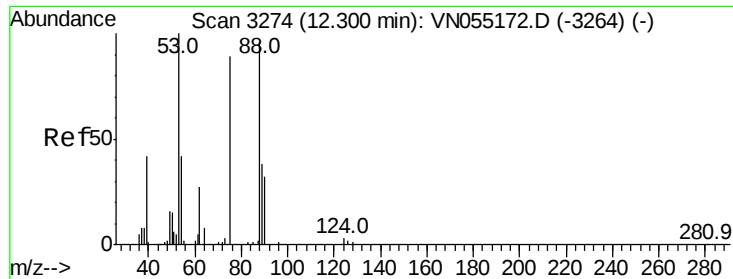
12.73

12.70

12.80

Time-->





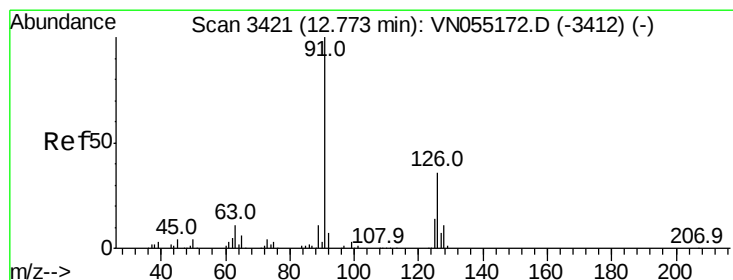
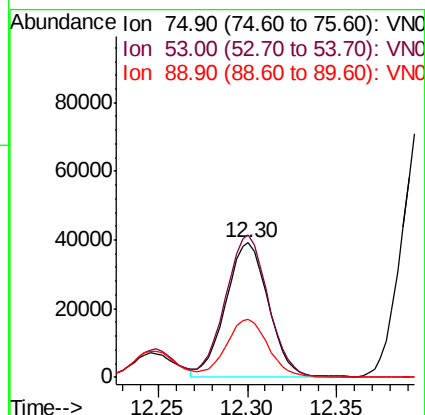
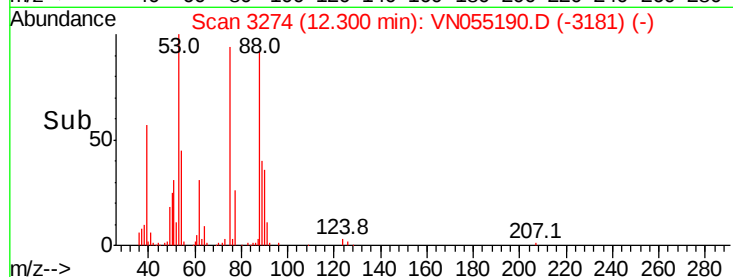
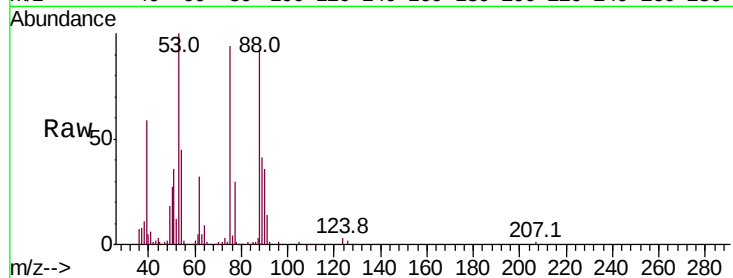
#81
trans-1,4-Dichloro-2-butene
Concen: 49.380 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.8	90.1	135.1
89	42.4	36.7	55.1

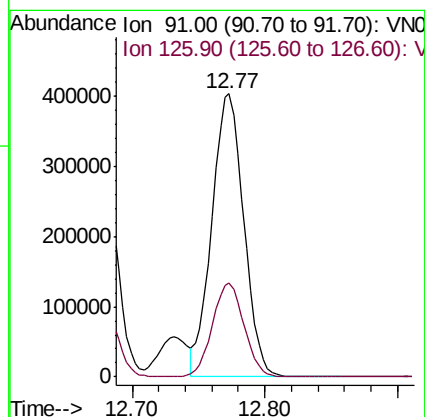
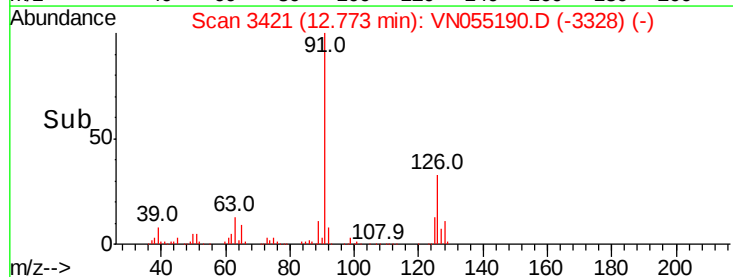
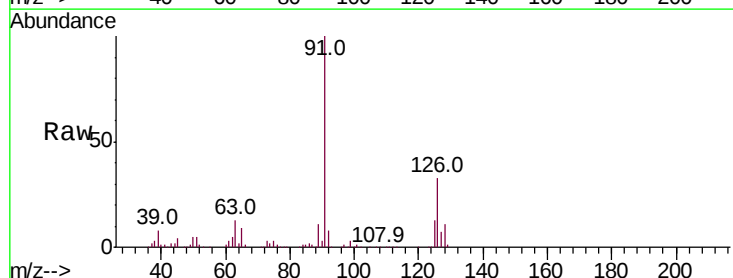
Manual Integrations
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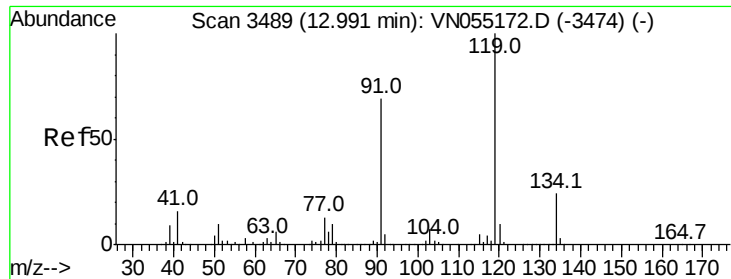
MMDadoda
4/23/2019 1:47:38 PM



#82
4-Chlorotoluene
Concen: 46.758 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.5	49.5





#83

tert-Butylbenzene

Concen: 51.589 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055190.D

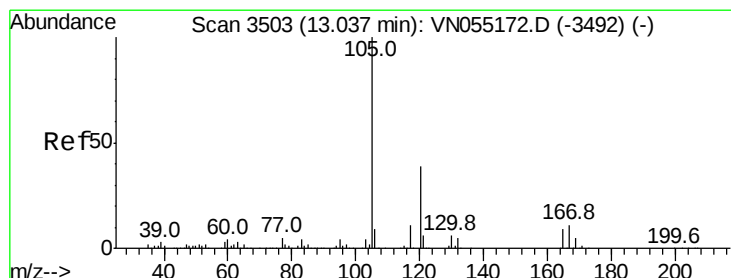
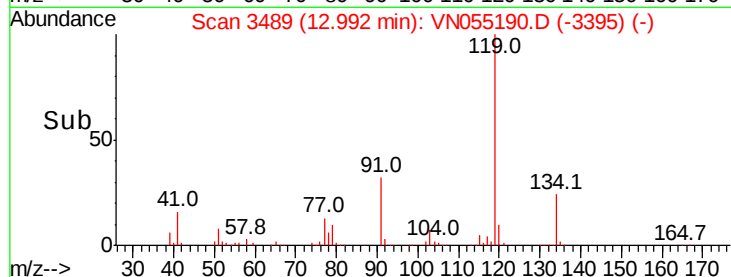
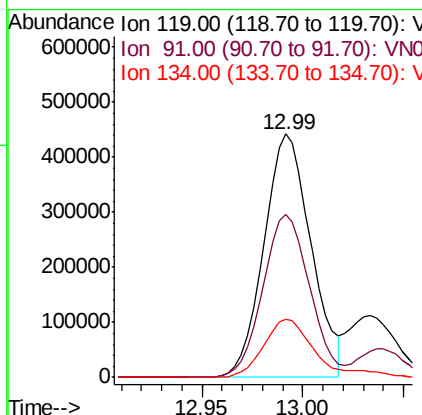
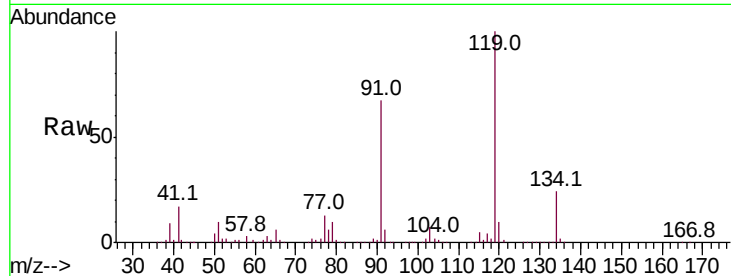
Acq: 22 Apr 2019 19:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	717801		
91	66.8	33.8	101.3	
134	26.1	13.2	39.5	

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 47.270 ug/l

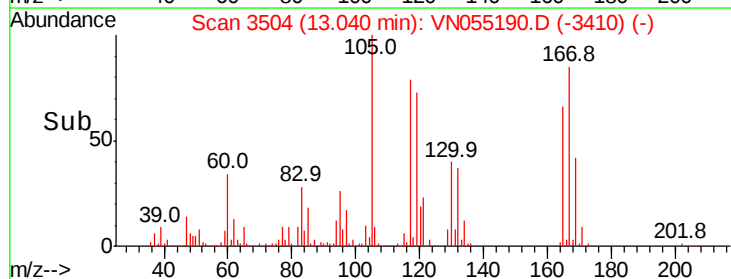
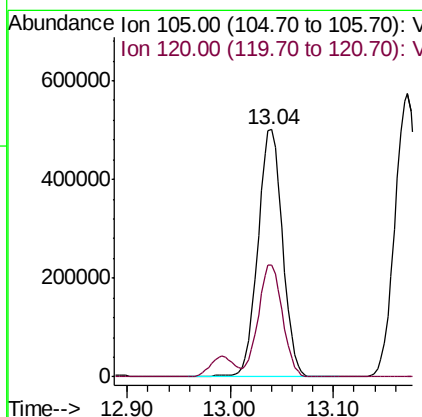
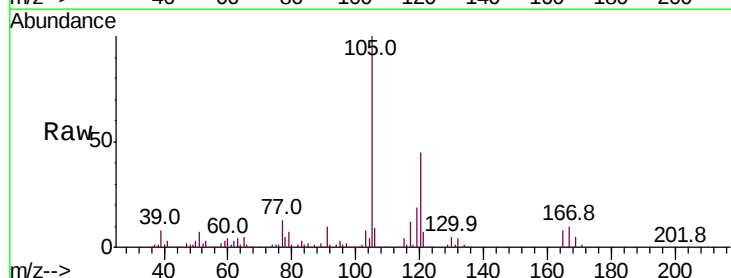
RT: 13.04 min Scan# 3504

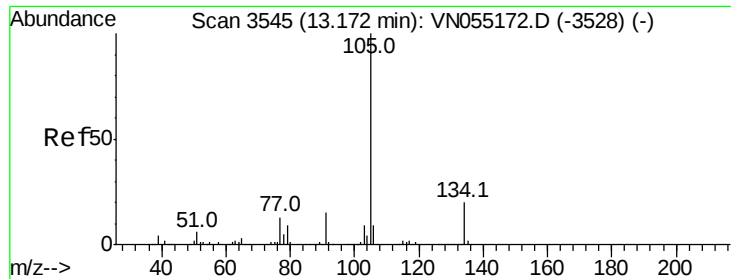
Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	827131		
120	44.5	22.7	68.1	





#85

sec-Butylbenzene

Concen: 43.930 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 921527

Ion Ratio Lower Upper

105 100

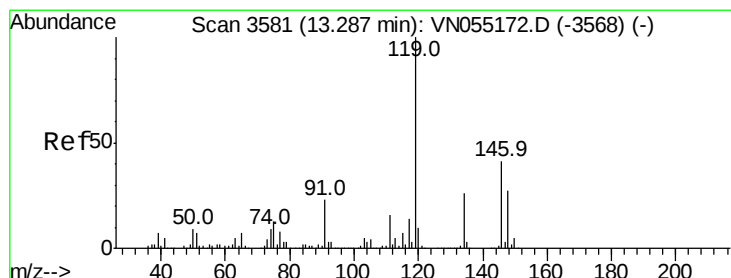
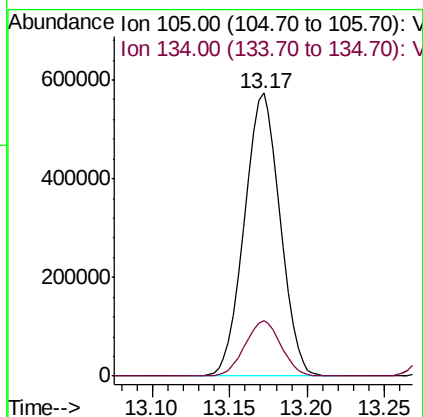
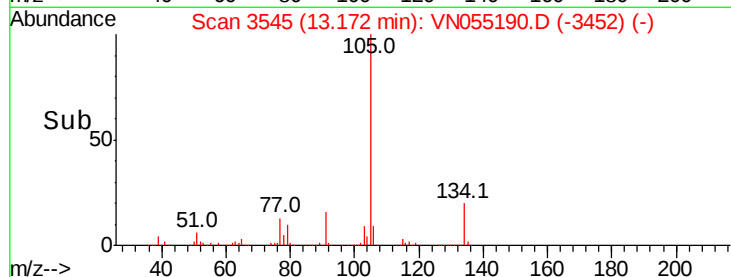
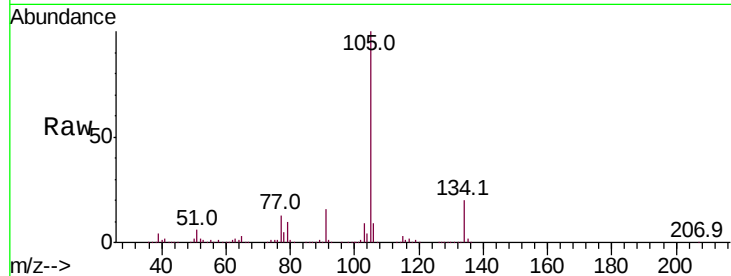
134 19.9 10.0 30.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 46.511 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

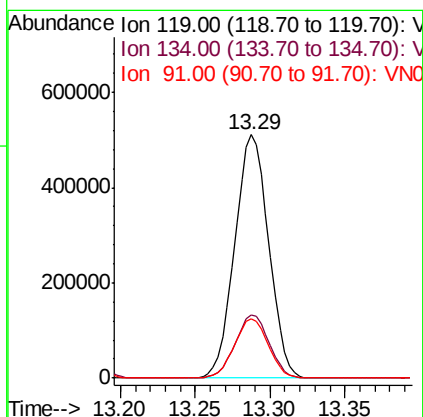
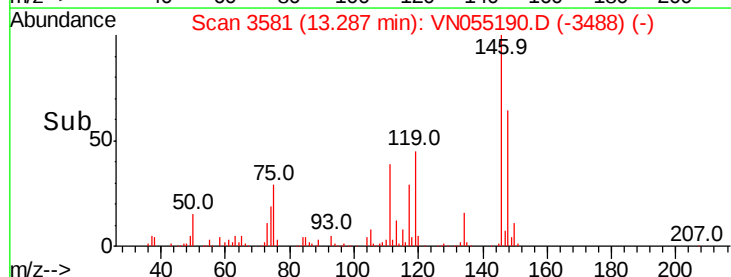
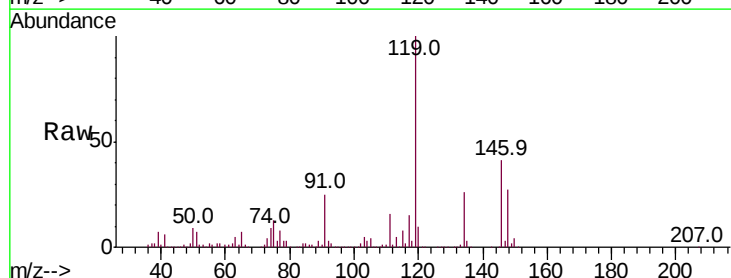
Tgt Ion:119 Resp: 803805

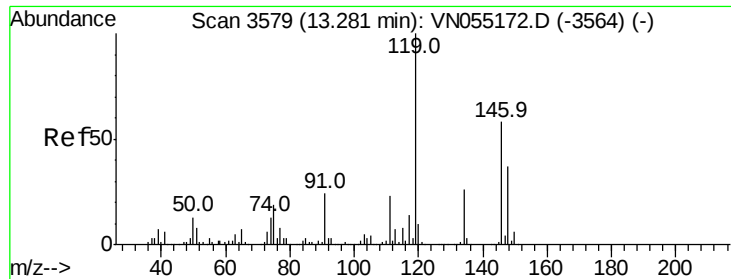
Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

91 24.5 11.8 35.3





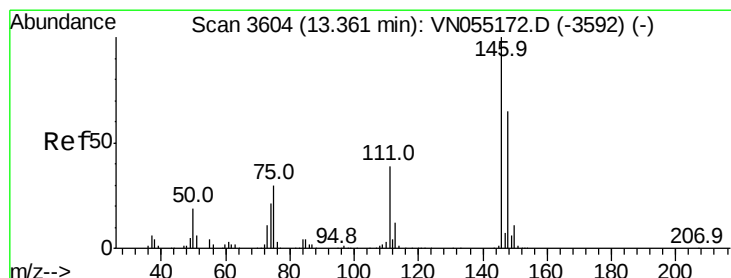
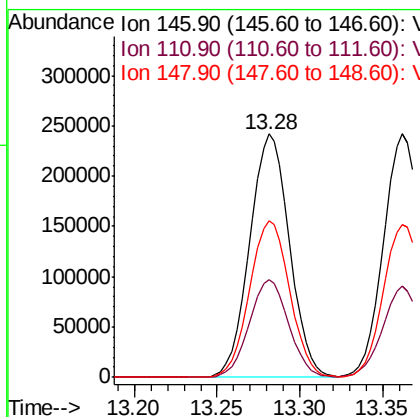
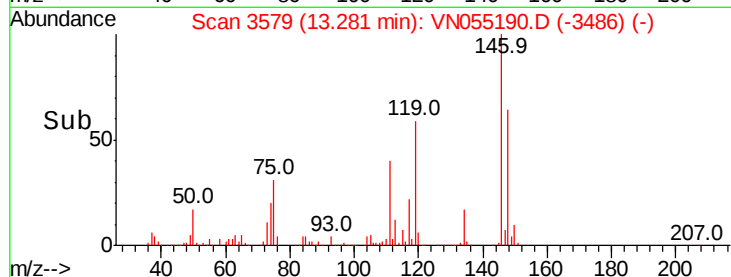
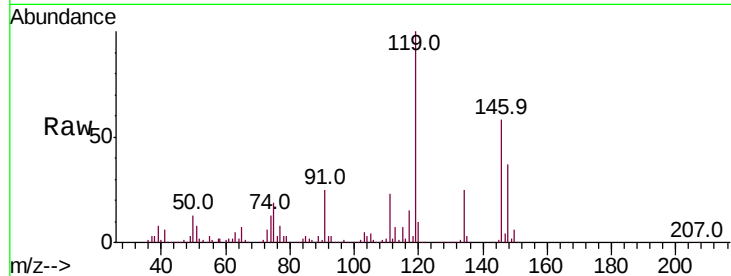
#87
 1,3-Dichlorobenzene
 Concen: 48.101 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.7	59.1
148	65.1	32.0	96.0

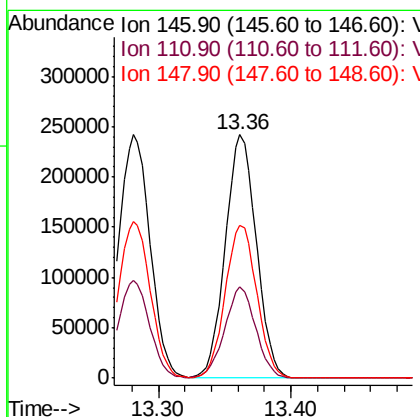
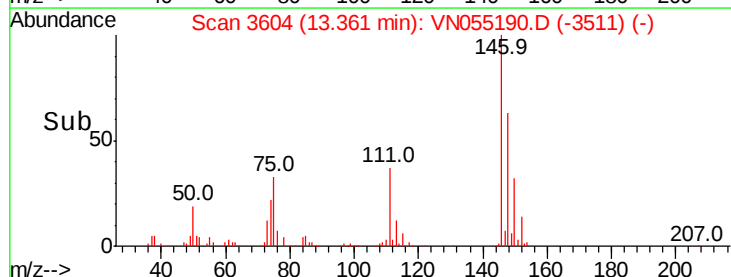
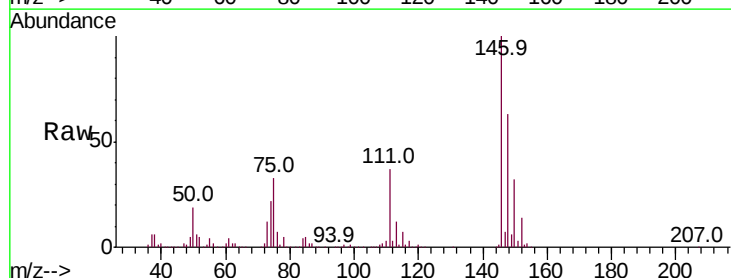
Manual Integrations
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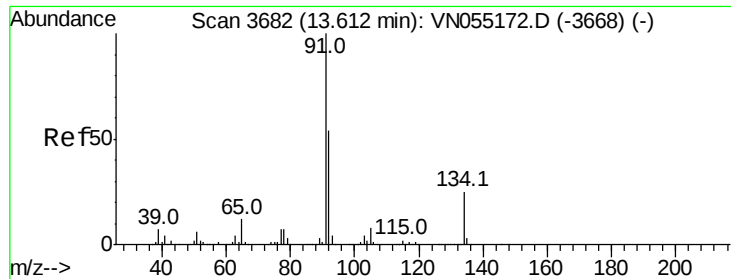
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#88
 1,4-Dichlorobenzene
 Concen: 48.157 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.4	58.2
148	64.1	32.9	98.6





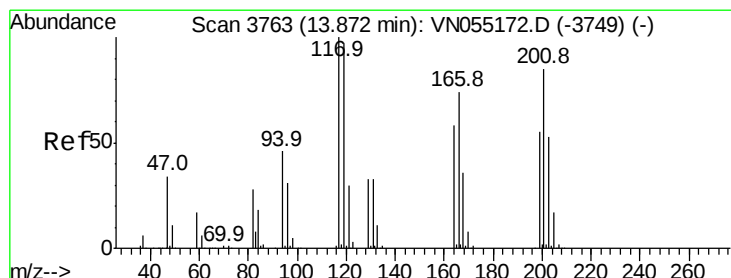
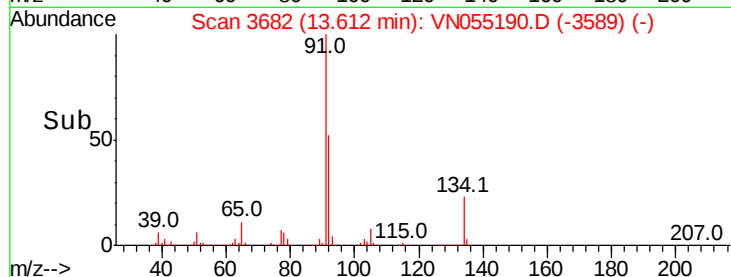
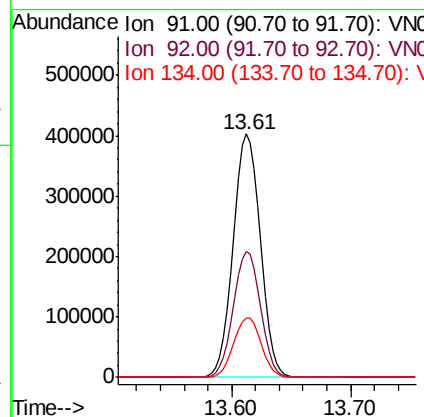
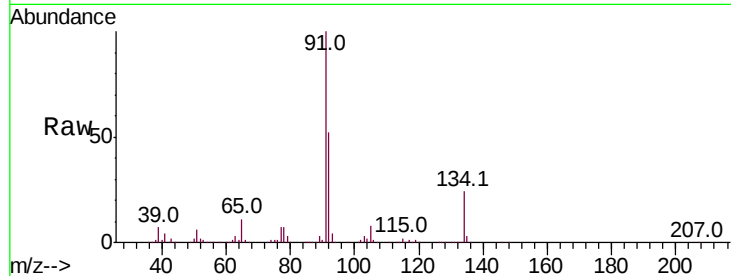
#89
n-Butylbenzene
Concen: 49.816 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.4	79.2
134	24.8	12.8	38.4

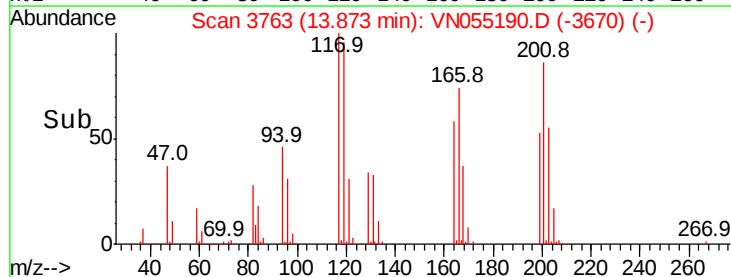
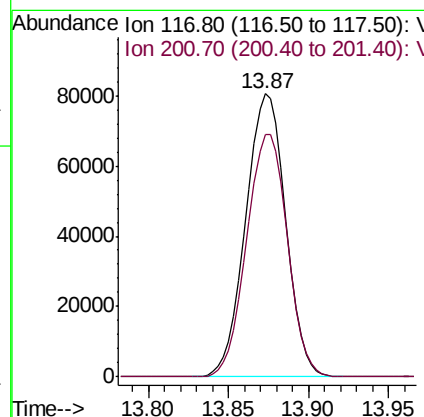
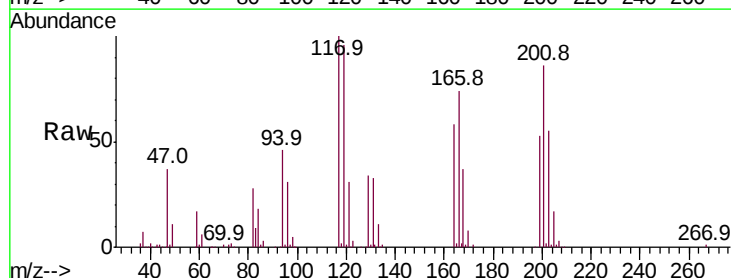
Manual Integrations
APPROVED

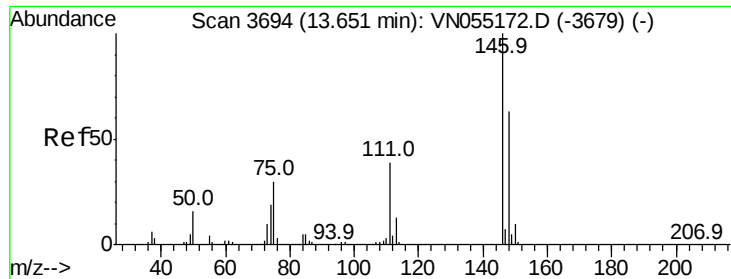
MMDadoda
4/23/2019 1:47:38 PM



#90
Hexachloroethane
Concen: 44.780 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055190.D
Acq: 22 Apr 2019 19:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.3	43.1	129.4





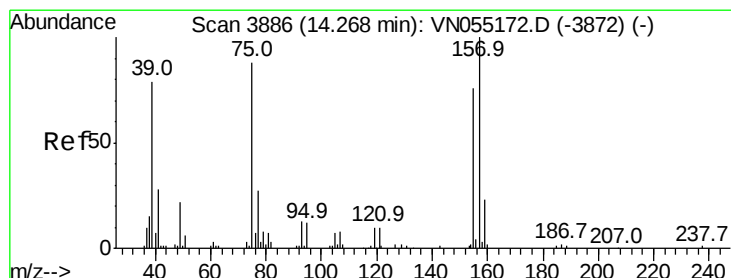
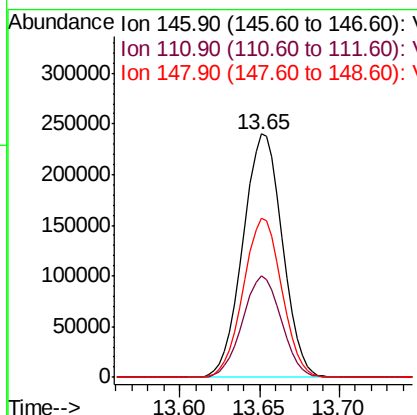
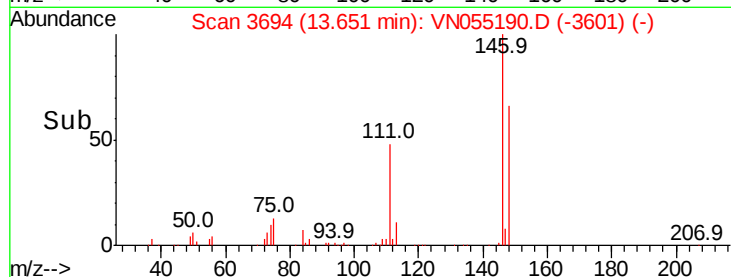
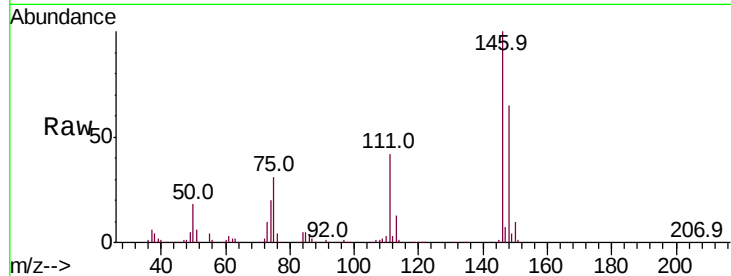
#91
 1,2-Dichlorobenzene
 Concen: 46.867 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.8	59.3
148	63.8	31.7	95.1

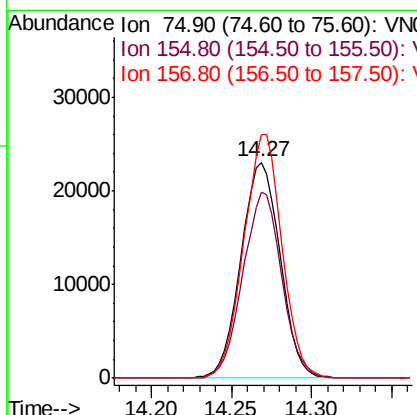
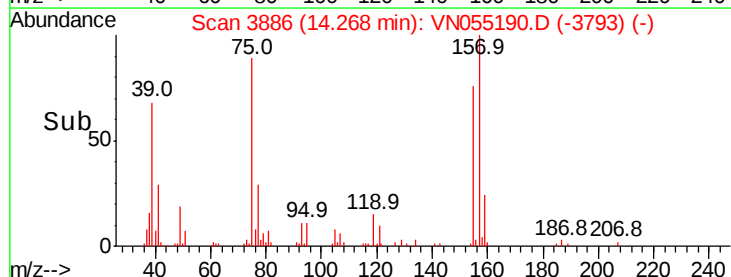
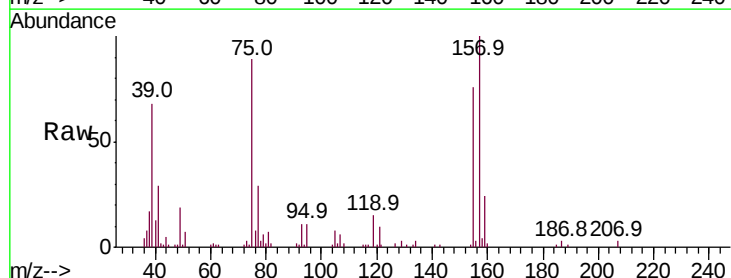
Manual Integrations
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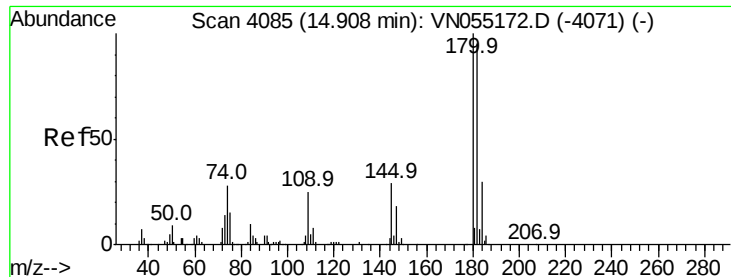
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.423 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.3	43.0	129.0
157	110.0	55.7	167.1





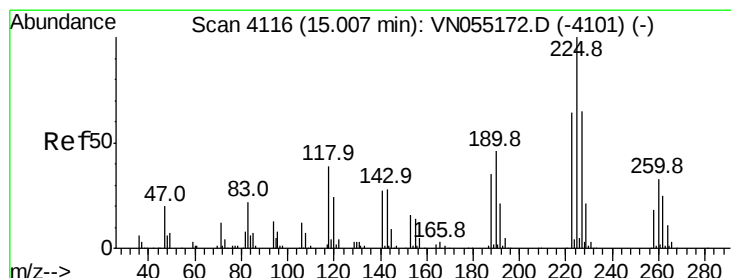
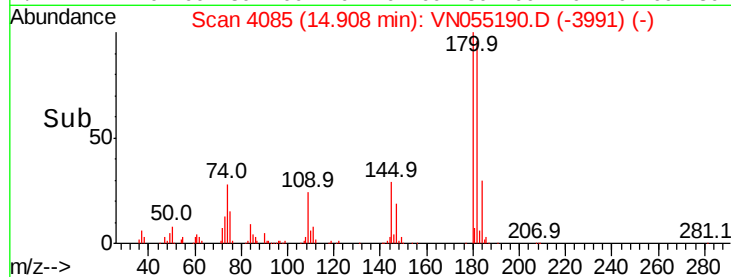
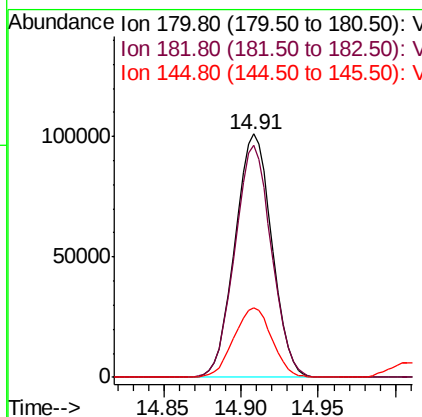
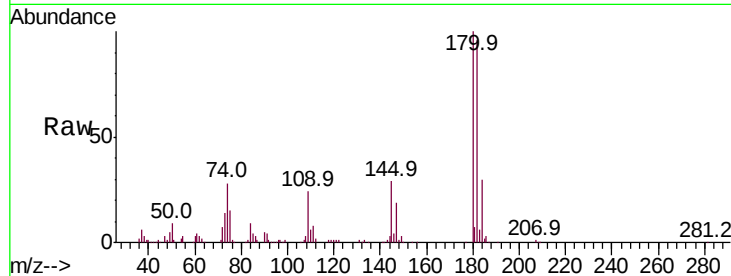
#93
 1,2,4-Trichlorobenzene
 Concen: 46.157 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	167316		
182	95.0	47.8	143.4	
145	29.5	14.5	43.5	

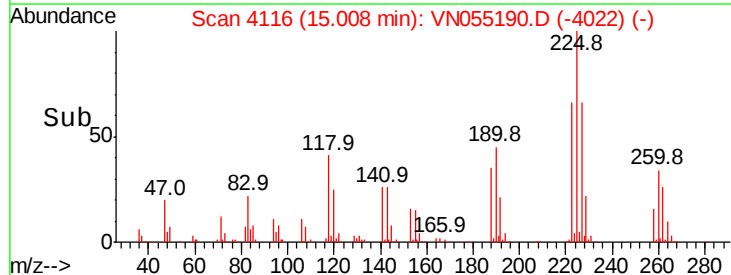
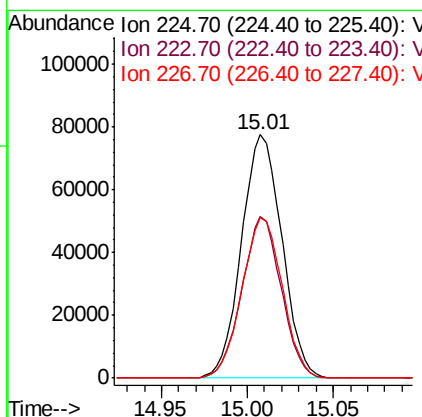
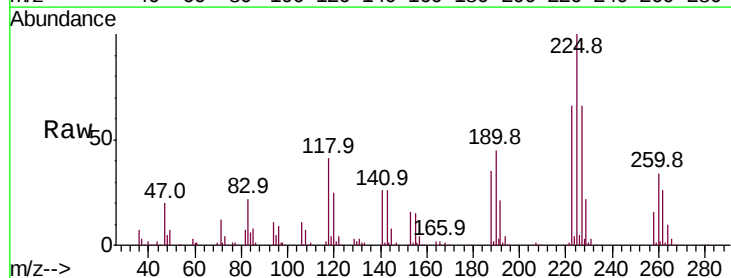
Manual Integrations
 APPROVED

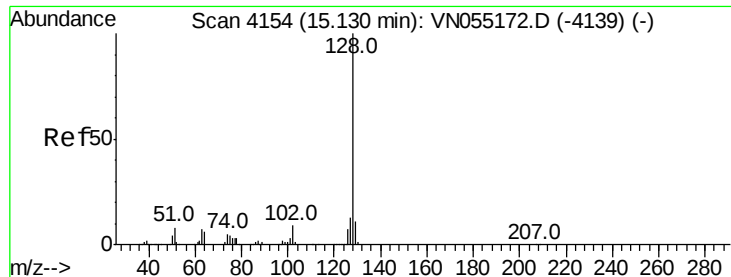
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 50.433 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055190.D
 Acq: 22 Apr 2019 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126524		
223	64.5	32.2	96.6	
227	65.8	32.6	98.0	





#95

Naphthalene

Concen: 46.393 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Instrument :

MSVOA_N

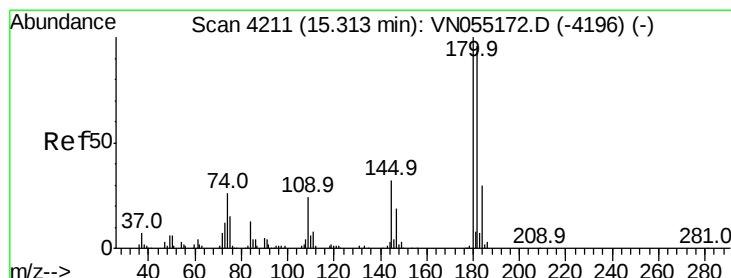
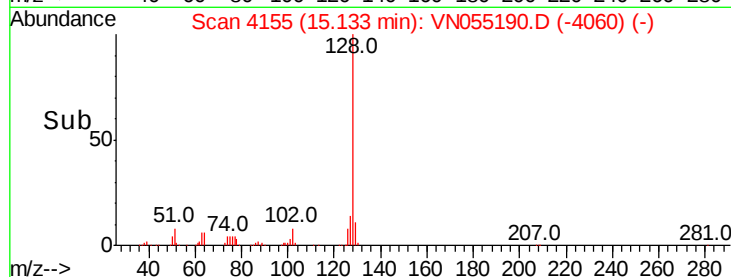
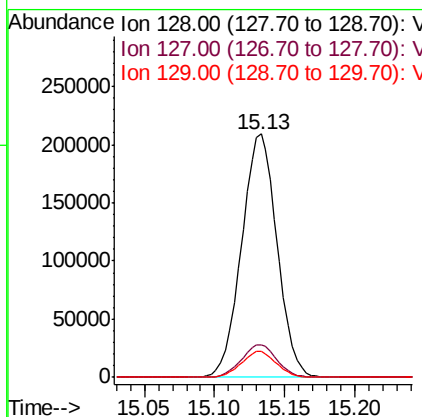
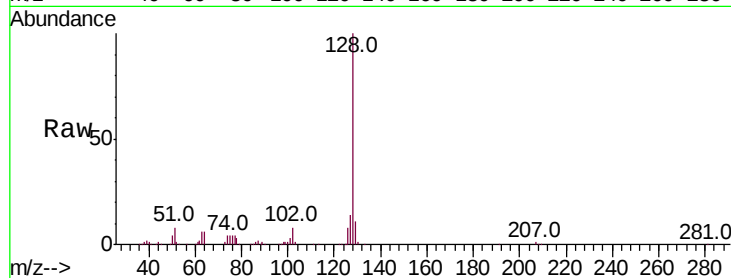
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	367317
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.3	15.5
129	10.6	8.8	13.2

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 47.883 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055190.D

Acq: 22 Apr 2019 19:00

Tgt Ion:	180	Resp:	172879
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.2	141.6
145	30.8	15.4	46.1

