

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102821\
 Data File : VN069276.D
 Acq On : 29 Oct 2021 3:27
 Operator : JC/MD
 Sample : M4338-24
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 29 07:56:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 28 16:09:15 2021
 Response via : Initial Calibration

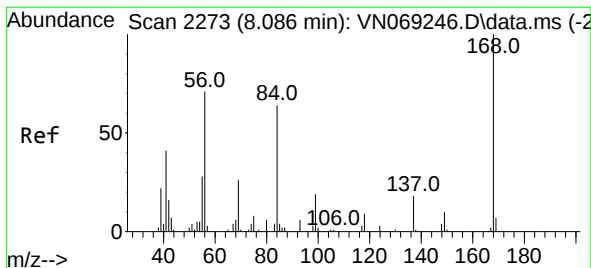
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	307597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	542689	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	527061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	198586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	209525	47.187	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.380%		
35) Dibromofluoromethane	8.024	113	158195	46.763	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.520%		
50) Toluene-d8	10.443	98	674227	49.847	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.700%		
62) 4-Bromofluorobenzene	12.734	95	246092	48.215	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.420%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	689	Below Cal	#	42
5) Bromomethane	2.877	94	672	0.260	ug/l	86
11) Tert butyl alcohol	5.385	59	5899	19.875	ug/l #	87
14) Allyl chloride	4.594	41	62213	12.711	ug/l #	57
16) Acetone	4.293	43	120238	63.556	ug/l	97
18) Methyl Acetate	4.594	43	174921	27.208	ug/l #	52
25) 2-Butanone	7.319	43	391	1.768	ug/l #	48
26) 2,2-Dichloropropane	7.321	77	1283	1.057	ug/l #	53
29) Tetrahydrofuran	7.697	42	25	2.950	ug/l #	33
31) Cyclohexane	8.083	56	7301	1.229	ug/l #	15
36) 1,1-Dichloropropene	8.086	75	25887	5.533	ug/l #	49
38) Carbon Tetrachloride	8.083	117	32444	6.983	ug/l #	16
43) Isopropyl Acetate	8.652	43	225	0.483	ug/l #	55
48) Methyl methacrylate	9.789	41	1661	0.413	ug/l #	30
51) 4-Methyl-2-Pentanone	10.446	43	3055	6.894	ug/l #	1
52) Toluene	10.508	92	7141	0.774	ug/l	97
59) 2-Hexanone	11.087	43	360	8.075	ug/l #	25
70) Styrene	12.307	104	26	1.458	ug/l #	24
71) Bromoform	12.734	173	1068	3.181	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	129792	24.850	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	129792	71.201	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.271	180	76	2.510	ug/l #	12
95) Naphthalene	15.512	128	912	3.394	ug/l #	69

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

Quant Time: Oct 29 07:56:56 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 28 16:09:15 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN069276.D

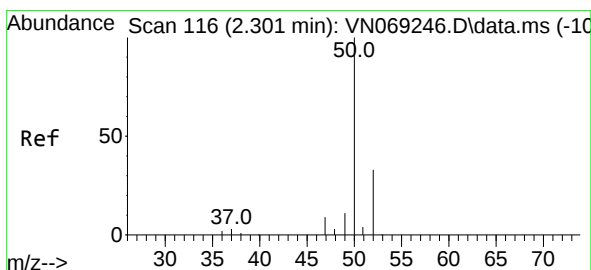
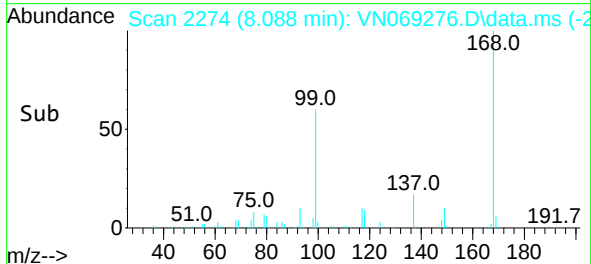
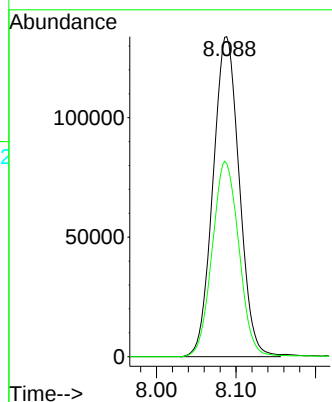
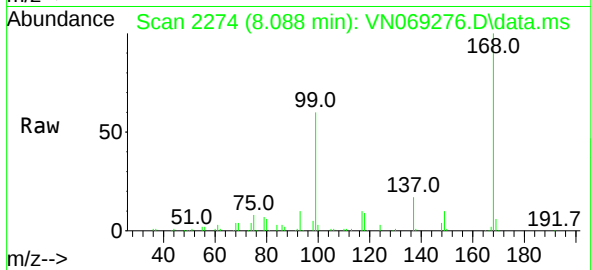
Acq: 29 Oct 2021 3:27

Tgt Ion:168 Resp: 307597

Ion Ratio Lower Upper

168 100

99 60.3 48.9 73.3



#3

Chloromethane

Concen: Below Cal

RT: 2.306 min Scan# 118

Delta R.T. 0.005 min

Lab File: VN069276.D

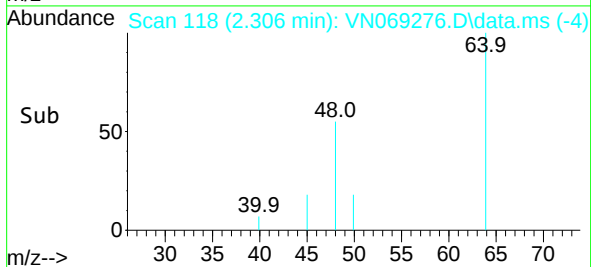
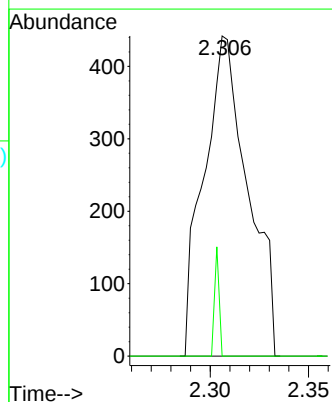
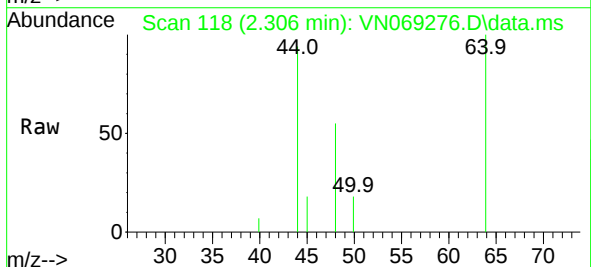
Acq: 29 Oct 2021 3:27

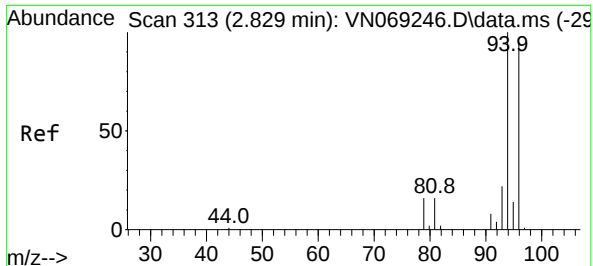
Tgt Ion: 50 Resp: 689

Ion Ratio Lower Upper

50 100

52 0.0 26.3 39.5#





#5

Bromomethane

Concen: 0.260 ug/l

RT: 2.877 min Scan# 331

Delta R.T. 0.048 min

Lab File: VN069276.D

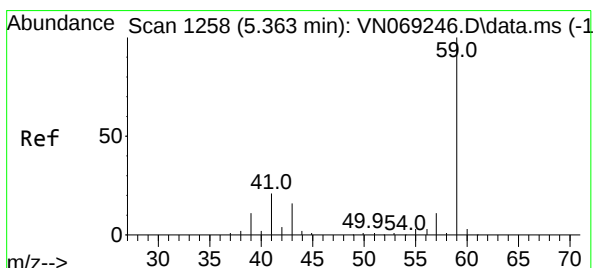
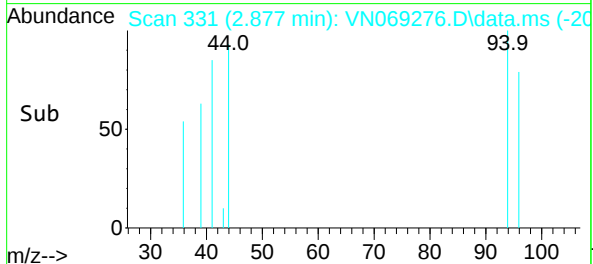
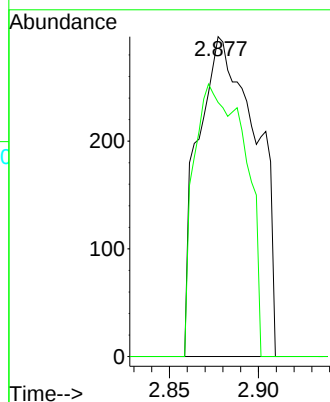
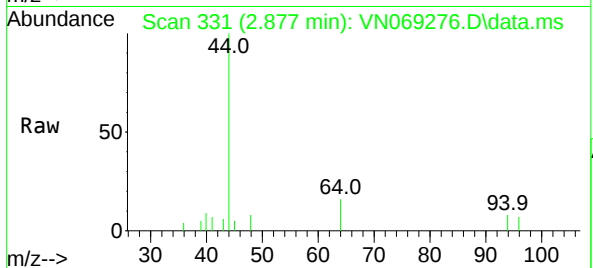
Acq: 29 Oct 2021 3:27

Tgt Ion: 94 Resp: 672

Ion Ratio Lower Upper

94 100

96 79.5 74.2 111.4



#11

Tert butyl alcohol

Concen: 19.875 ug/l

RT: 5.385 min Scan# 1266

Delta R.T. 0.022 min

Lab File: VN069276.D

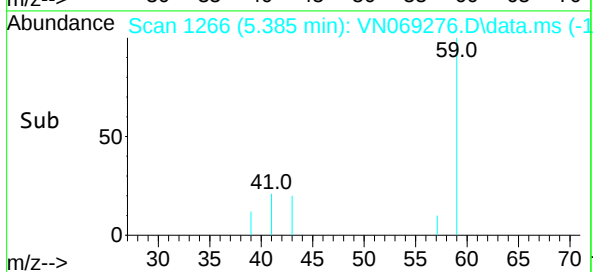
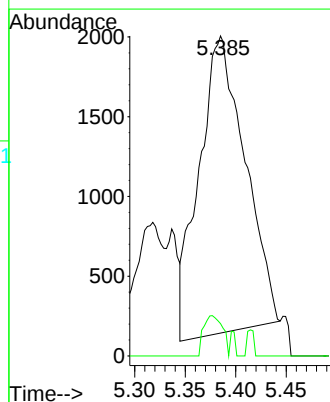
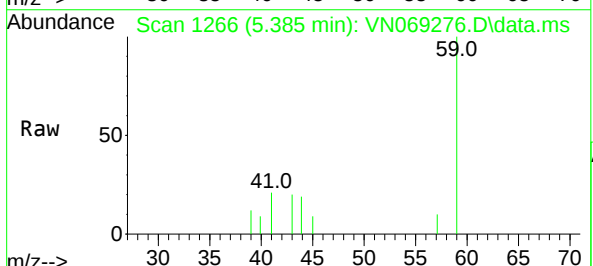
Acq: 29 Oct 2021 3:27

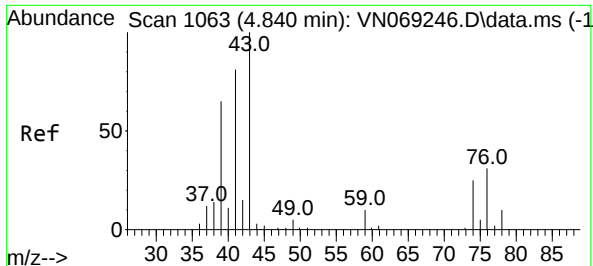
Tgt Ion: 59 Resp: 5899

Ion Ratio Lower Upper

59 100

57 5.6 8.3 12.5#





#14

Allyl chloride

Concen: 12.711 ug/l

RT: 4.594 min Scan# 971

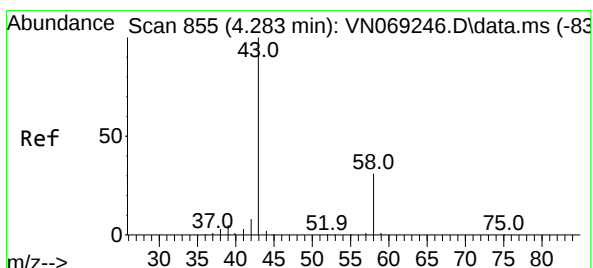
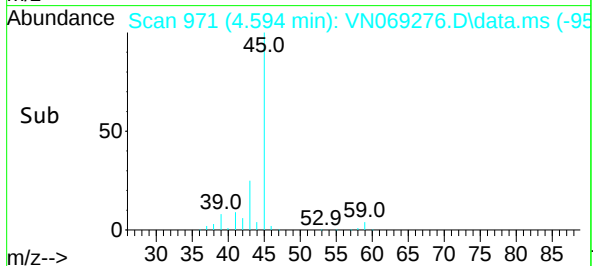
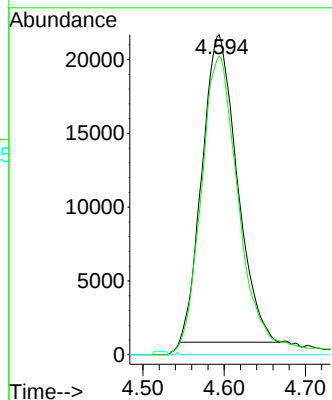
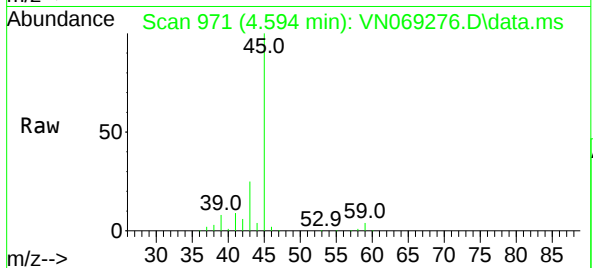
Delta R.T. -0.246 min

Lab File: VN069276.D

Acq: 29 Oct 2021 3:27

Tgt Ion: 41	Resp: 62213
Ion Ratio	Lower Upper
41 100	
39 98.1	55.6 83.4#
76 0.0	26.4 39.6#

Instrument :
MSVOA_D
ClientSampled :



#16

Acetone

Concen: 63.556 ug/l

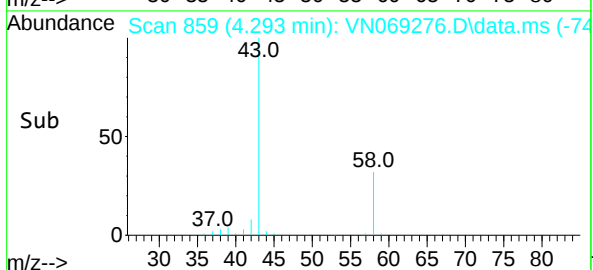
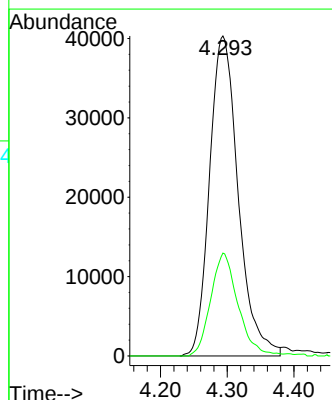
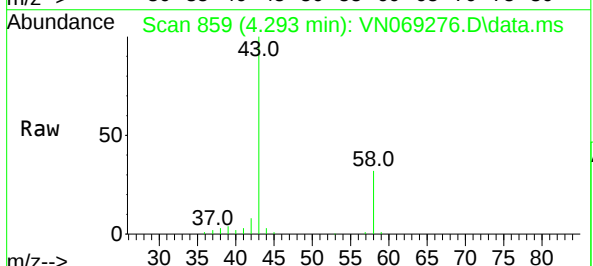
RT: 4.293 min Scan# 859

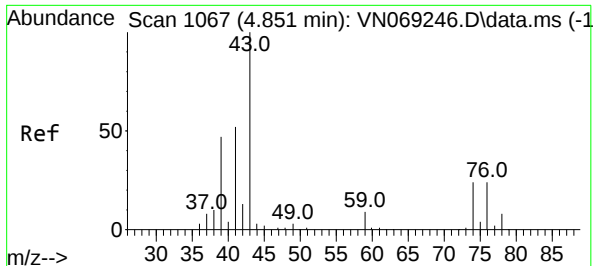
Delta R.T. 0.010 min

Lab File: VN069276.D

Acq: 29 Oct 2021 3:27

Tgt Ion: 43	Resp: 120238
Ion Ratio	Lower Upper
43 100	
58 32.1	24.5 36.7





#18

Methyl Acetate

Concen: 27.208 ug/l

RT: 4.594 min Scan# 971

Delta R.T. -0.257 min

Lab File: VN069276.D

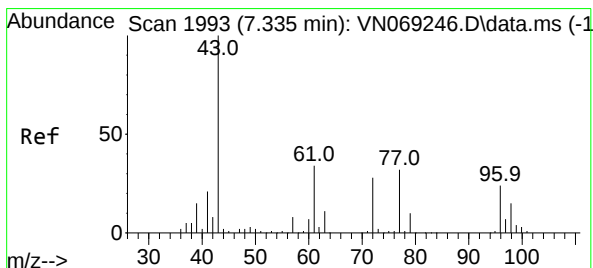
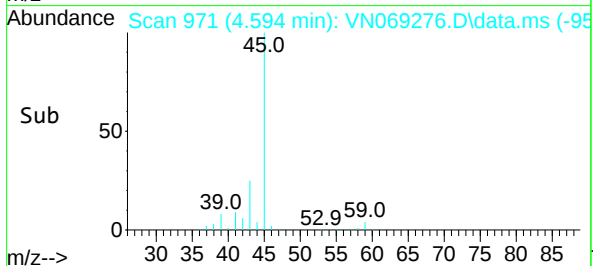
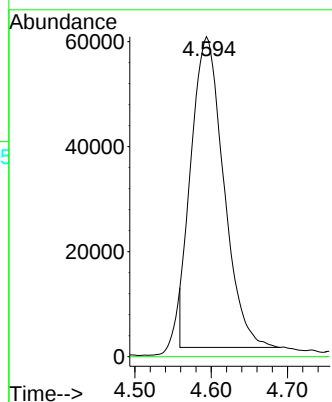
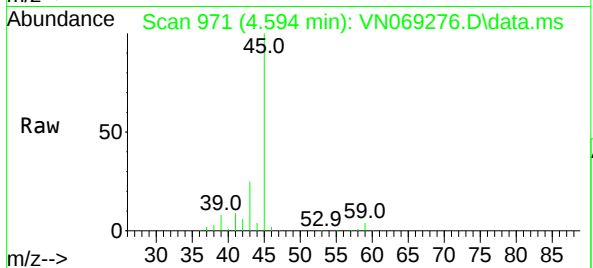
Acq: 29 Oct 2021 3:27

Tgt Ion: 43 Resp: 174921

Ion Ratio Lower Upper

43 100

74 0.0 18.9 28.3#



#25

2-Butanone

Concen: 1.768 ug/l

RT: 7.319 min Scan# 1987

Delta R.T. -0.016 min

Lab File: VN069276.D

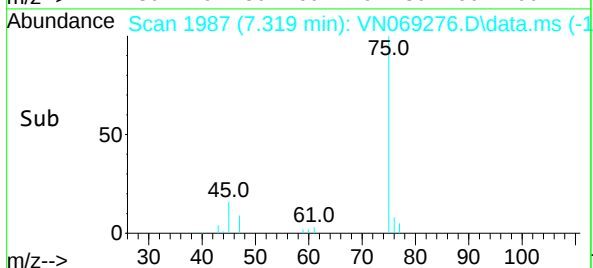
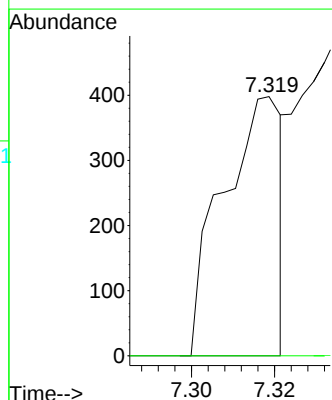
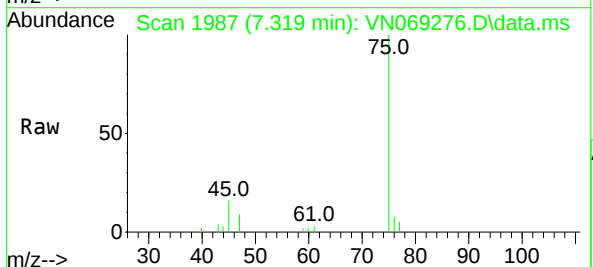
Acq: 29 Oct 2021 3:27

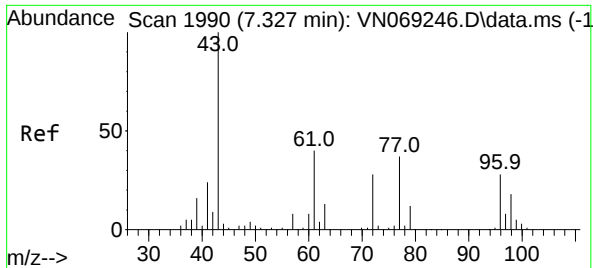
Tgt Ion: 43 Resp: 391

Ion Ratio Lower Upper

43 100

72 0.0 21.2 31.8#

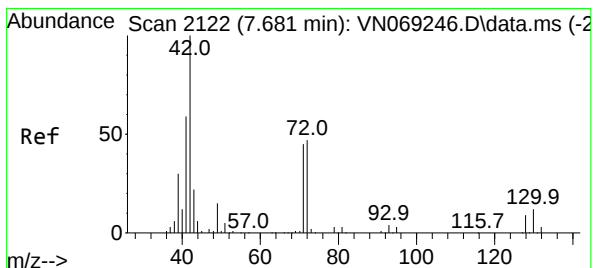
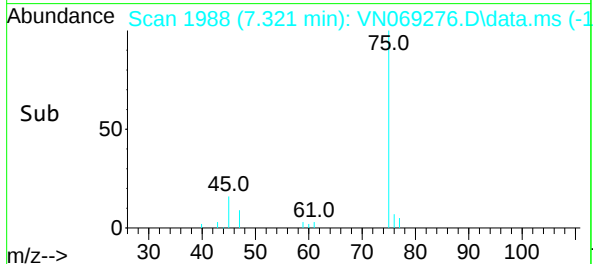
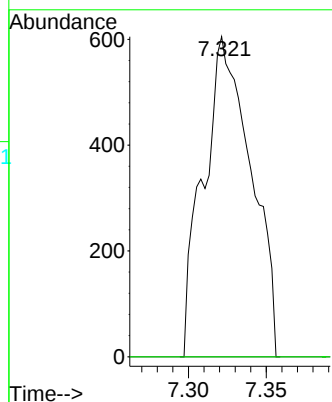
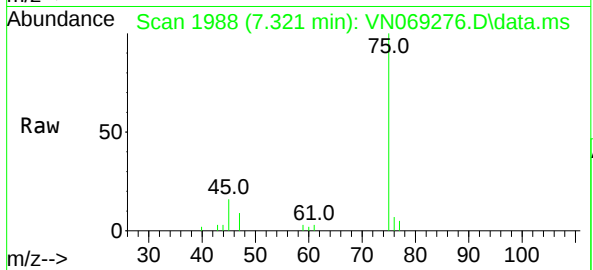




#26
2,2-Dichloropropane
Concen: 1.057 ug/l
RT: 7.321 min Scan# 1988
Delta R.T. -0.006 min
Lab File: VN069276.D
Acq: 29 Oct 2021 3:27

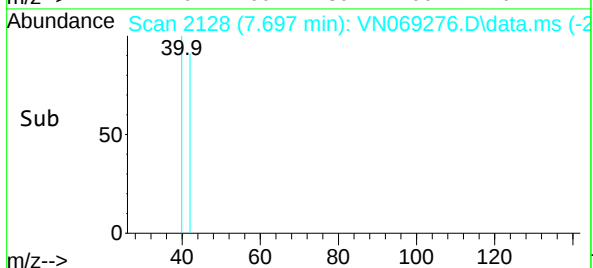
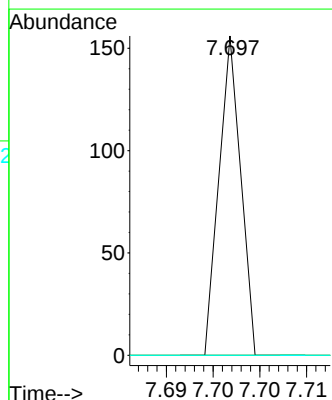
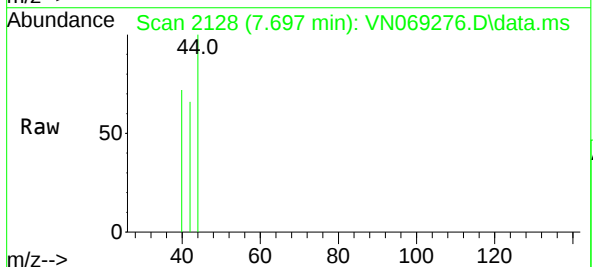
Instrument :
MSVOA_D
ClientSampled :

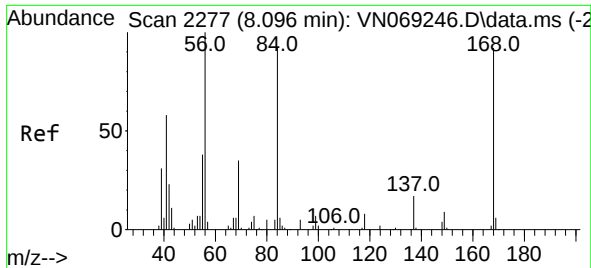
Tgt Ion: 77 Resp: 1283
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#



#29
Tetrahydrofuran
Concen: 2.950 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.016 min
Lab File: VN069276.D
Acq: 29 Oct 2021 3:27

Tgt Ion: 42 Resp: 25
Ion Ratio Lower Upper
42 100
72 0.0 35.4 53.2#
71 0.0 33.8 50.6#

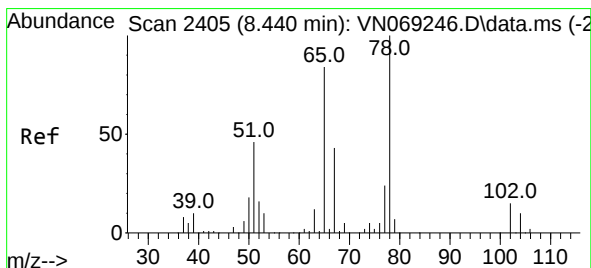
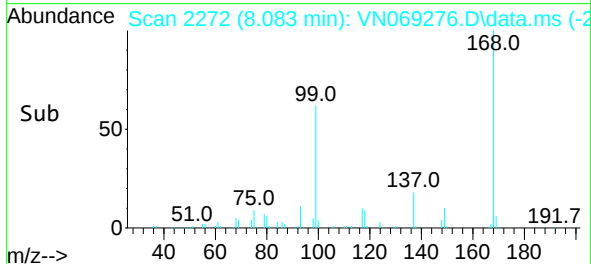
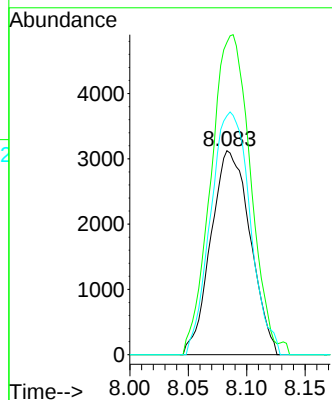
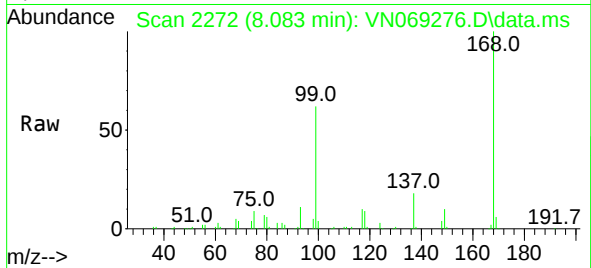




#31
Cyclohexane
Concen: 1.229 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.013 min
Lab File: VN069276.D
Acq: 29 Oct 2021 3:27

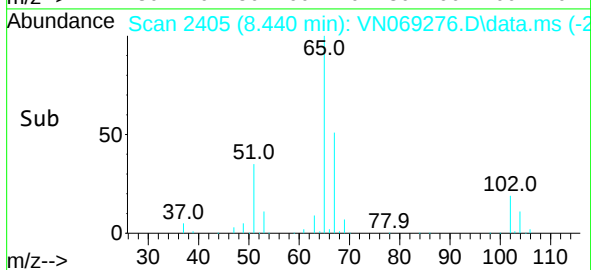
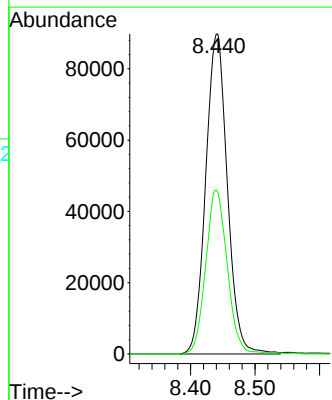
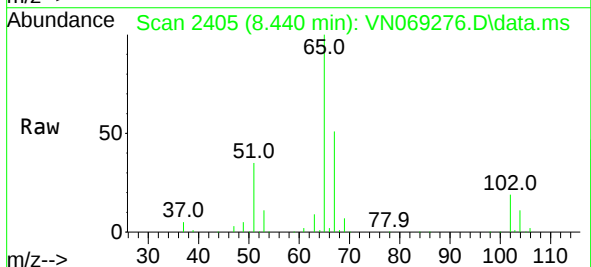
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MSVOA_D
ClientSampleId :

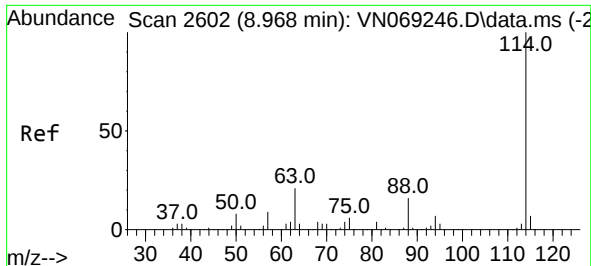
Tgt Ion: 56 Resp: 7301
Ion Ratio Lower Upper
56 100
69 153.1 26.9 40.3#
84 117.1 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 47.187 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069276.D
Acq: 29 Oct 2021 3:27

Tgt Ion: 65 Resp: 209525
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.8

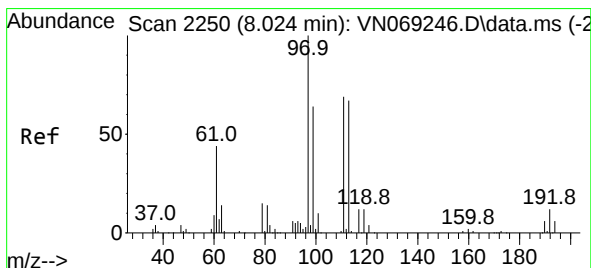
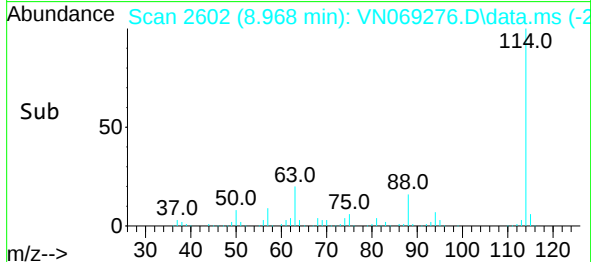
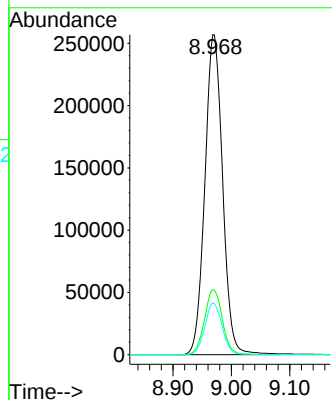
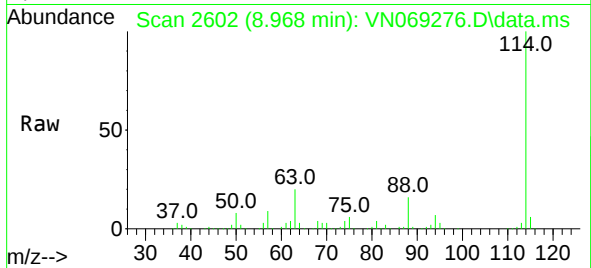




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069276.D
Acq: 29 Oct 2021 3:27

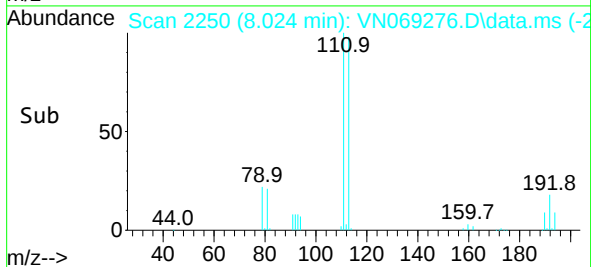
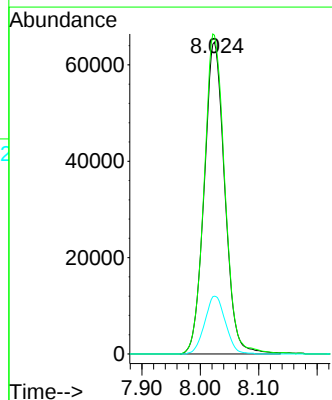
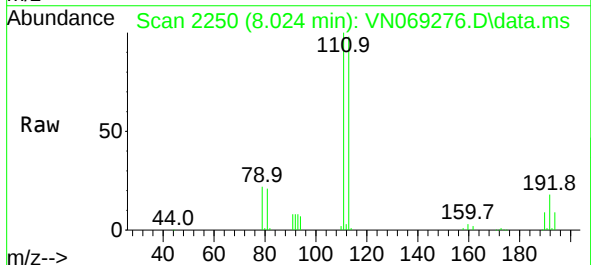
Instrument :
MSVOA_D
ClientSampled :

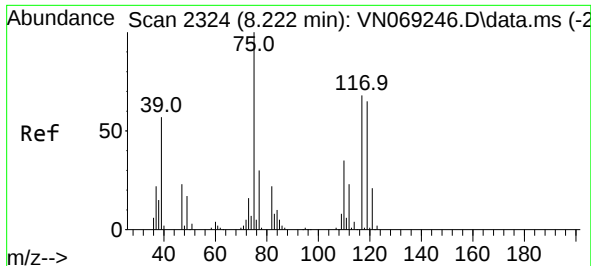
Tgt Ion:114 Resp: 542689
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.6
88 16.2 0.0 32.0



#35
Dibromofluoromethane
Concen: 46.763 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069276.D
Acq: 29 Oct 2021 3:27

Tgt Ion:113 Resp: 158195
Ion Ratio Lower Upper
113 100
111 103.0 83.2 124.8
192 18.7 15.0 22.4

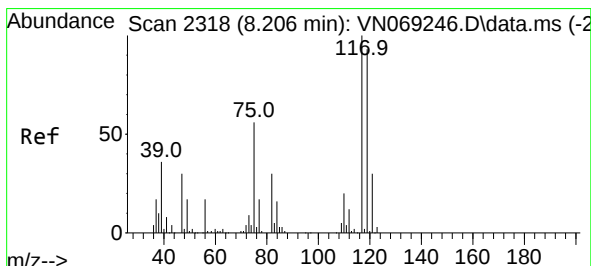
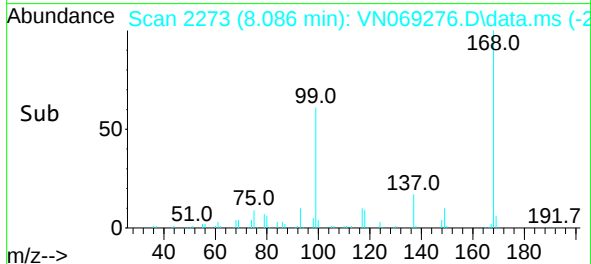
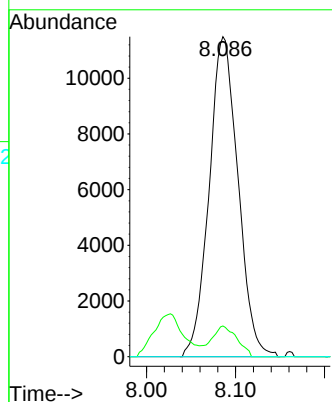
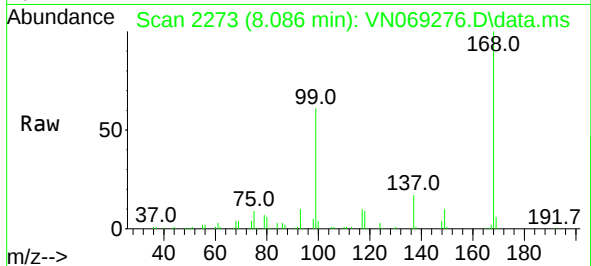




#36
1,1-Dichloropropene
Concen: 5.533 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN069276.D
Acq: 29 Oct 2021 3:27

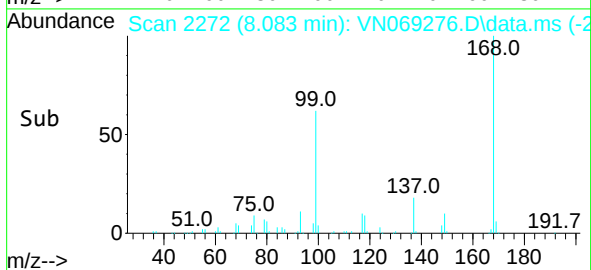
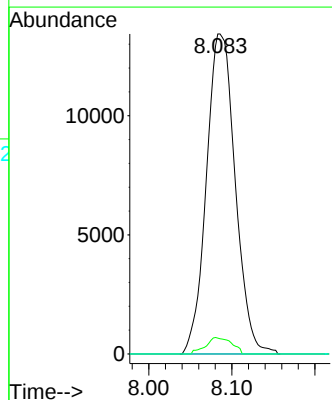
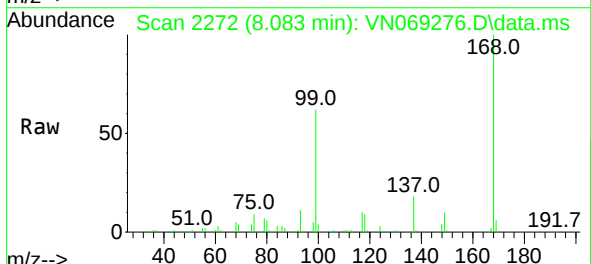
Instrument :
MSVOA_D
ClientSampleId :

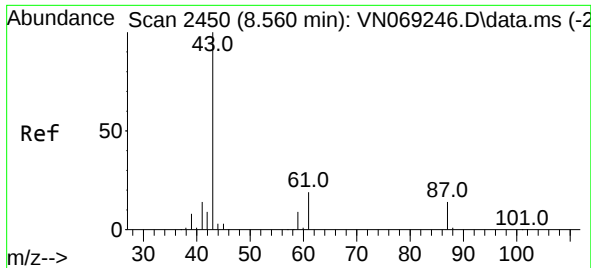
Tgt Ion: 75 Resp: 25887
Ion Ratio Lower Upper
75 100
110 8.2 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.983 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.123 min
Lab File: VN069276.D
Acq: 29 Oct 2021 3:27

Tgt Ion: 117 Resp: 32444
Ion Ratio Lower Upper
117 100
119 4.9 76.9 115.3#
121 0.0 24.6 37.0#

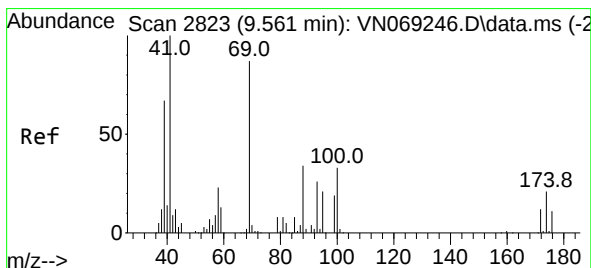
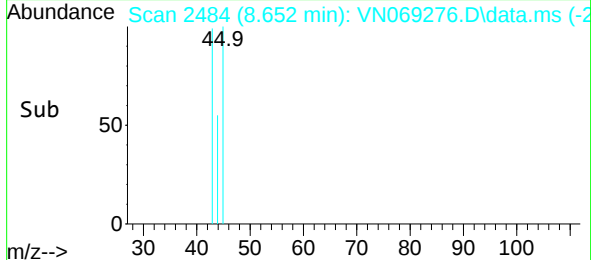
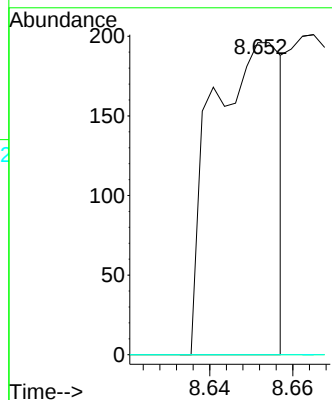
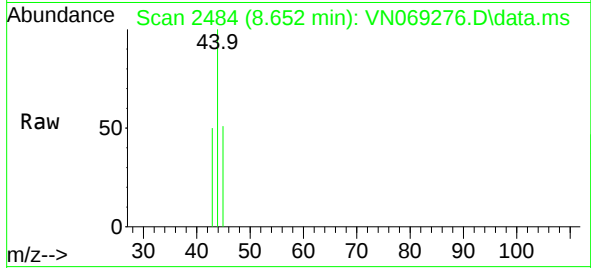




#43
Isopropyl Acetate
Concen: 0.483 ug/l
RT: 8.652 min Scan# 2484
Delta R.T. 0.092 min
Lab File: VN069276.D
Acq: 29 Oct 2021 3:27

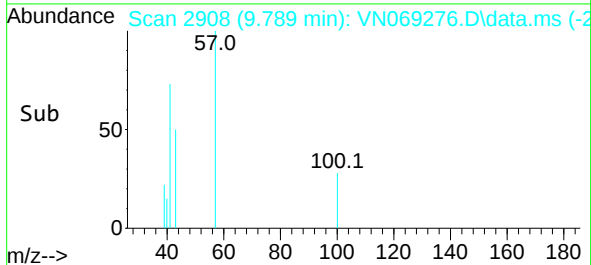
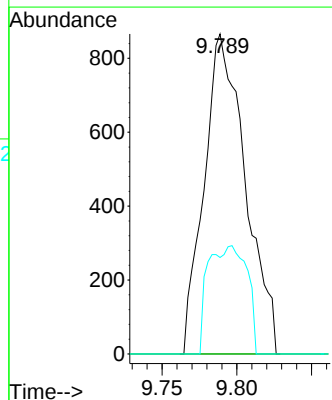
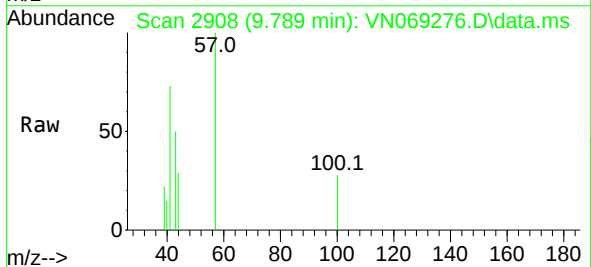
Instrument :
MSVOA_D
ClientSampled :

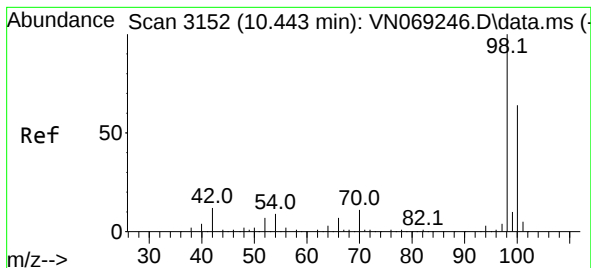
Tgt Ion: 43	Resp: 225
Ion Ratio	Lower Upper
43 100	
61 0.0	20.4 30.6#
87 0.0	10.7 16.1#



#48
Methyl methacrylate
Concen: 0.413 ug/l
RT: 9.789 min Scan# 2908
Delta R.T. 0.228 min
Lab File: VN069276.D
Acq: 29 Oct 2021 3:27

Tgt Ion: 41	Resp: 1661
Ion Ratio	Lower Upper
41 100	
69 0.0	66.4 99.6#
39 32.0	50.2 75.2#

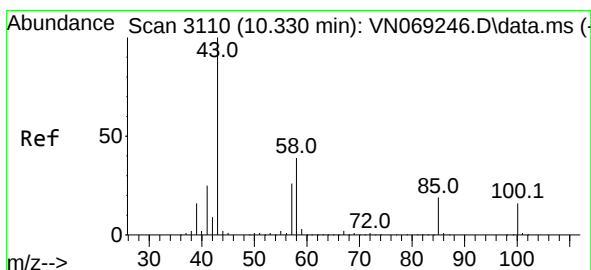
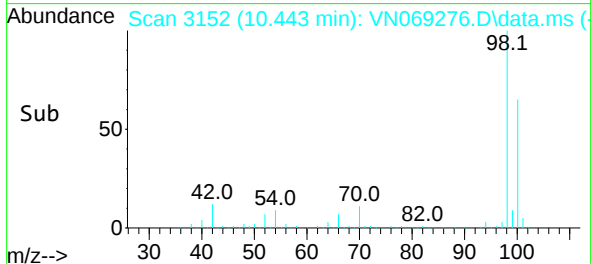
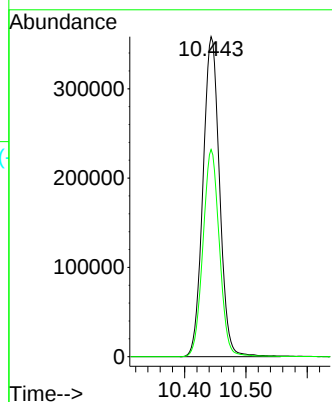
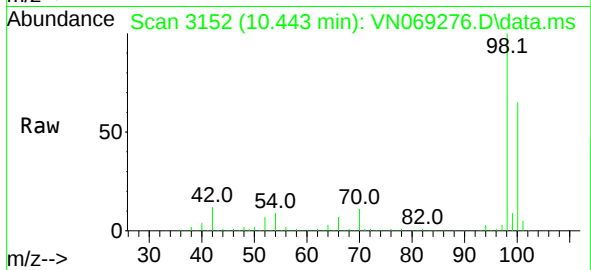




#50
Toluene-d8
Concen: 49.847 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069276.D
Acq: 29 Oct 2021 3:27

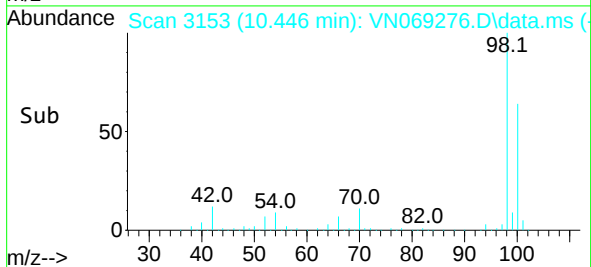
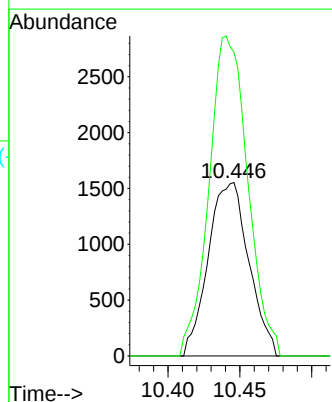
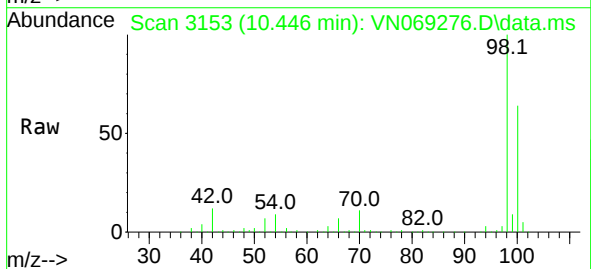
Instrument :
MSVOA_D
ClientSampled :

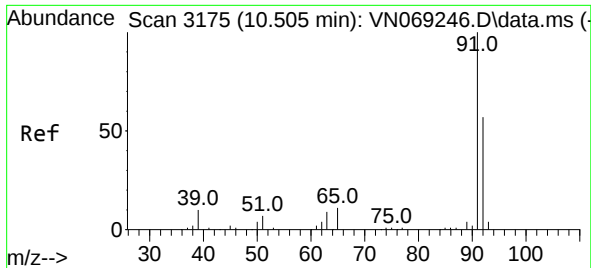
Tgt Ion: 98 Resp: 674227
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 6.894 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.116 min
Lab File: VN069276.D
Acq: 29 Oct 2021 3:27

Tgt Ion: 43 Resp: 3055
Ion Ratio Lower Upper
43 100
58 175.6 31.0 46.4#

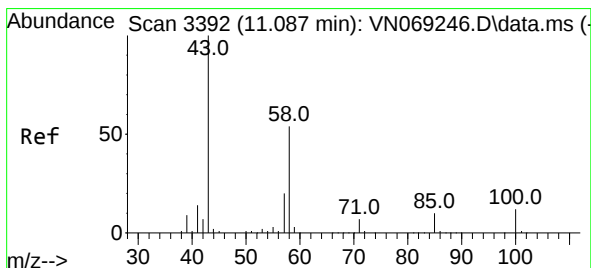
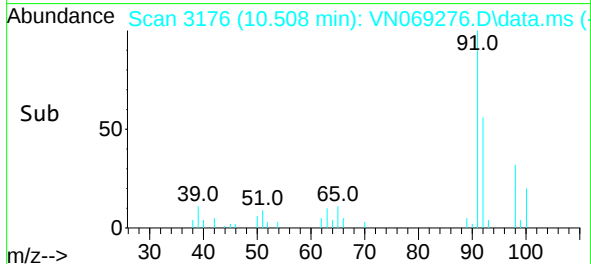
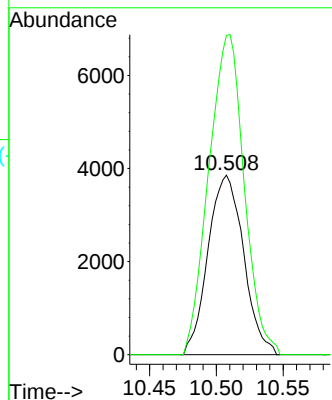
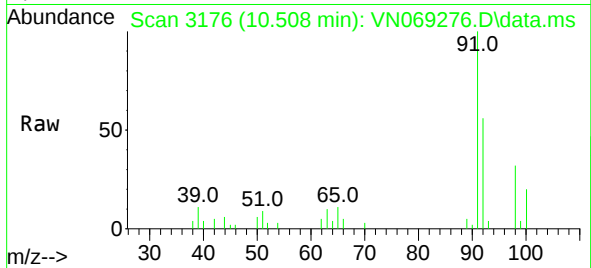




#52
Toluene
Concen: 0.774 ug/l
RT: 10.508 min Scan# 3176
Delta R.T. 0.003 min
Lab File: VN069276.D
Acq: 29 Oct 2021 3:27

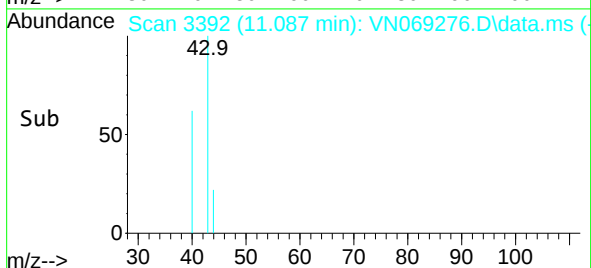
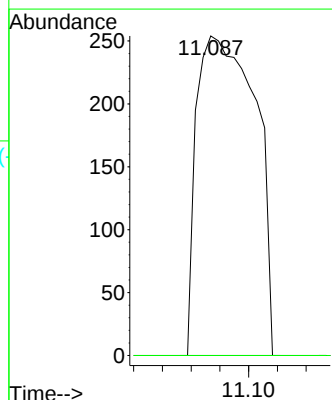
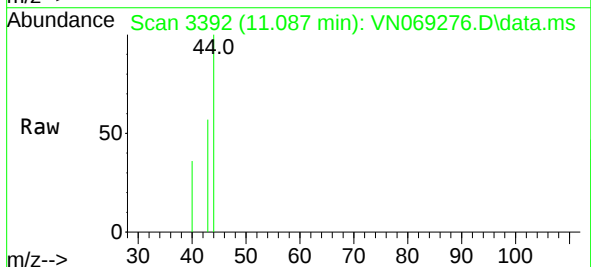
Instrument :
MSVOA_D
ClientSampleId :

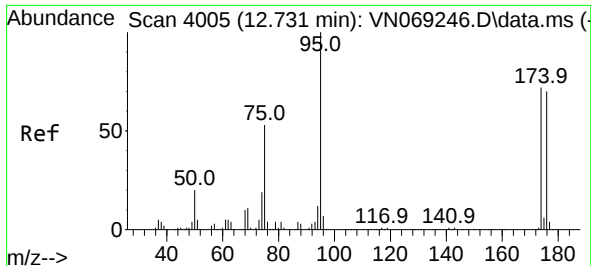
Tgt Ion: 92 Resp: 7141
Ion Ratio Lower Upper
92 100
91 177.5 138.5 207.7



#59
2-Hexanone
Concen: 8.075 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN069276.D
Acq: 29 Oct 2021 3:27

Tgt Ion: 43 Resp: 360
Ion Ratio Lower Upper
43 100
58 0.0 26.9 80.7#

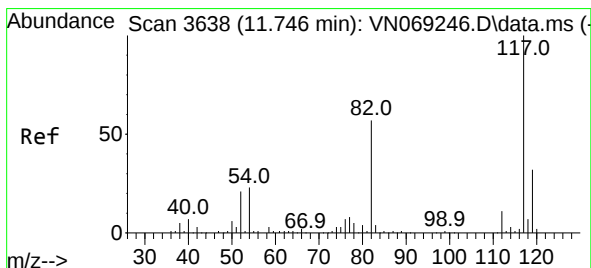
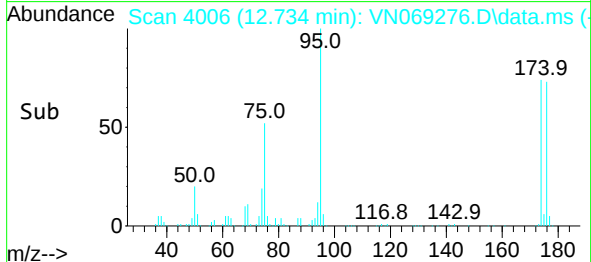
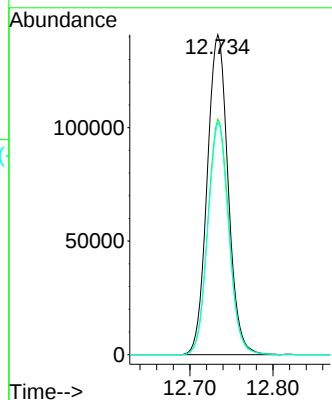
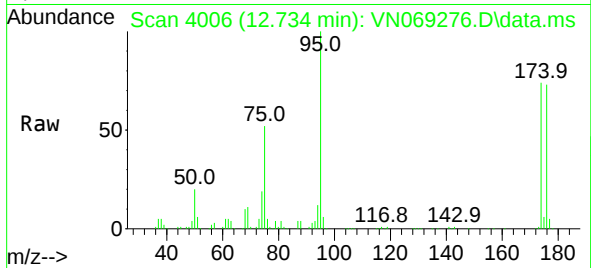




#62
4-Bromofluorobenzene
Concen: 48.215 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN069276.D
Acq: 29 Oct 2021 3:27

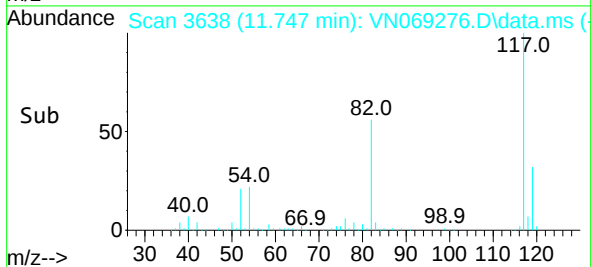
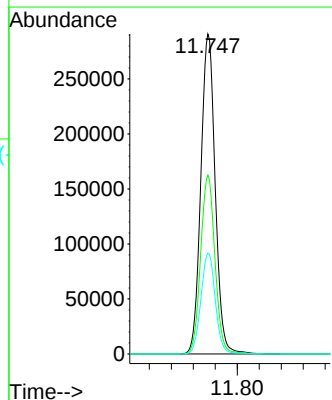
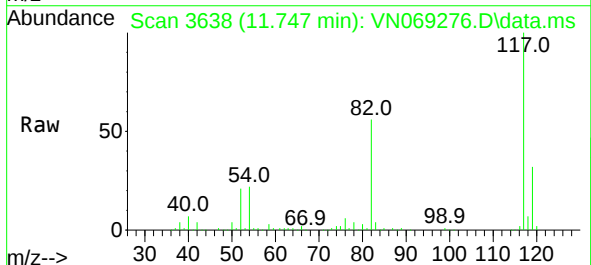
Instrument :
MSVOA_D
ClientSampleId :

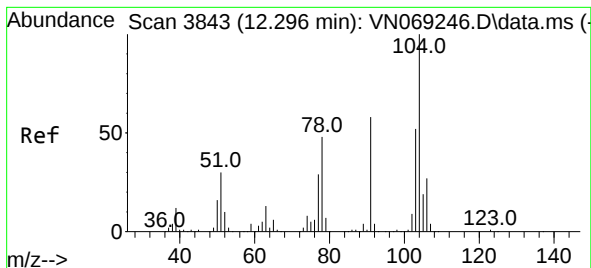
Tgt Ion: 95 Resp: 246092
Ion Ratio Lower Upper
95 100
174 74.4 0.0 144.8
176 72.2 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069276.D
Acq: 29 Oct 2021 3:27

Tgt Ion: 117 Resp: 527061
Ion Ratio Lower Upper
117 100
82 55.9 46.4 69.6
119 31.5 26.0 39.0





#70

Styrene

Concen: 1.458 ug/l

RT: 12.307 min Scan# 3847

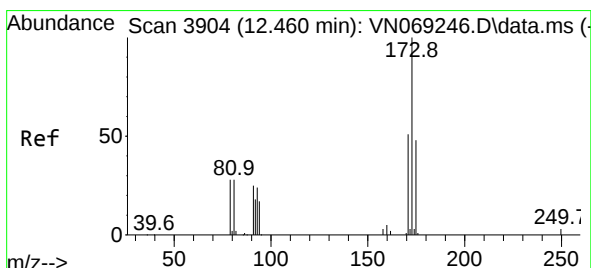
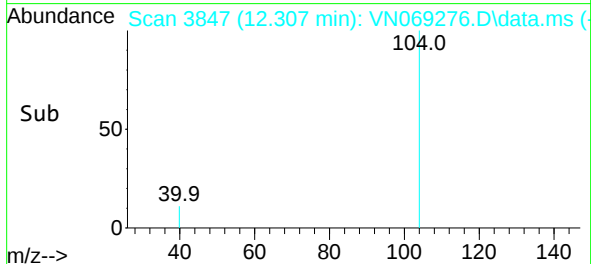
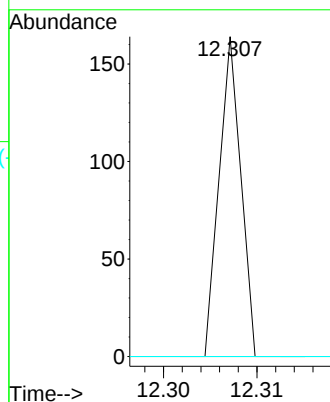
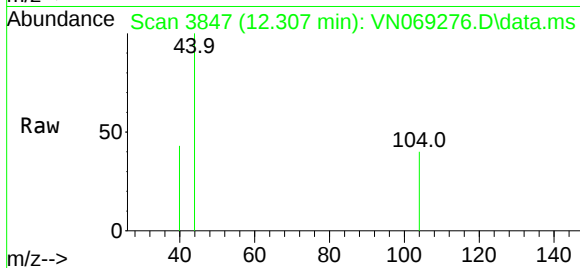
Delta R.T. 0.011 min

Lab File: VN069276.D

Acq: 29 Oct 2021 3:27

Tgt Ion:	104	Resp:	26
Ion Ratio	Lower	Upper	
104	100		
78	0.0	42.2	63.4#
103	0.0	44.4	66.6#

Instrument :
MSVOA_D
ClientSampled :



#71

Bromoform

Concen: 3.181 ug/l

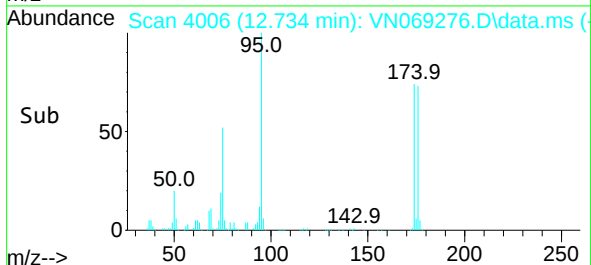
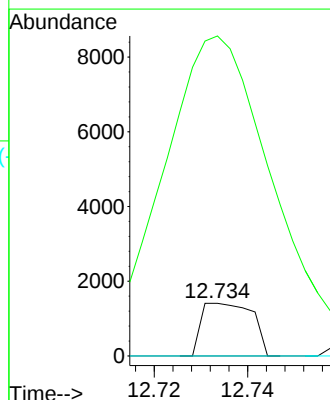
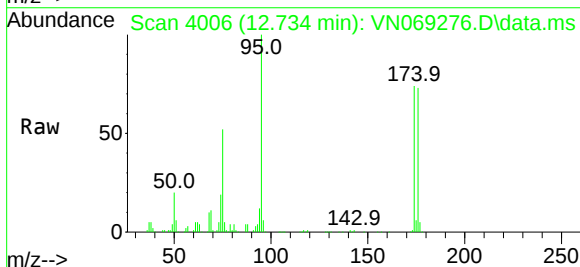
RT: 12.734 min Scan# 4006

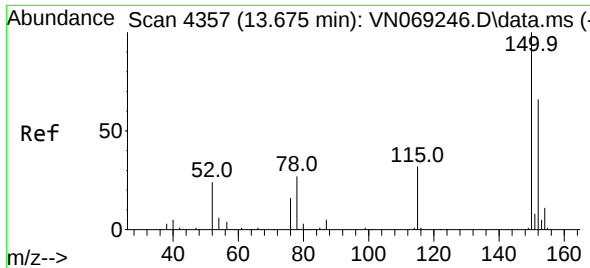
Delta R.T. 0.274 min

Lab File: VN069276.D

Acq: 29 Oct 2021 3:27

Tgt Ion:	173	Resp:	1068
Ion Ratio	Lower	Upper	
173	100		
175	1243.7	23.8	71.5#
254	0.0	0.0	0.0

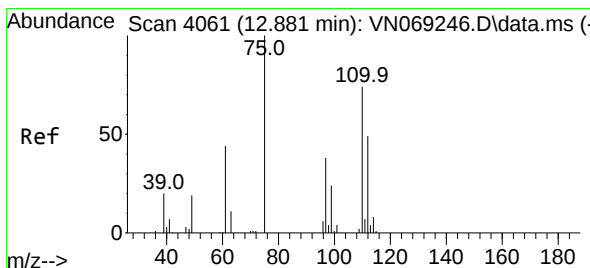
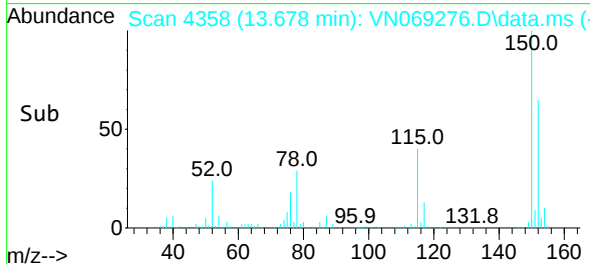
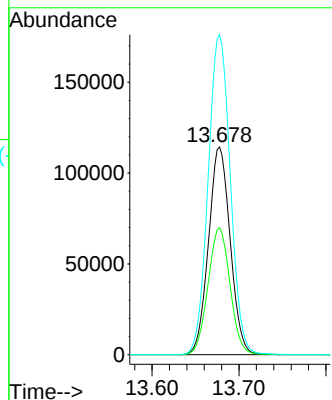
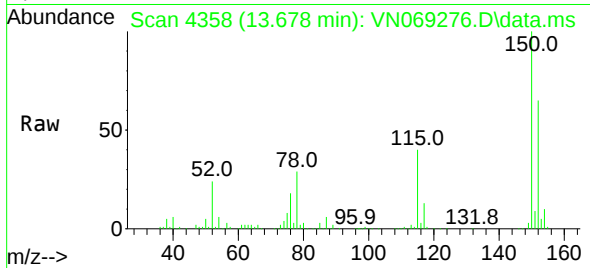




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069276.D
Acq: 29 Oct 2021 3:27

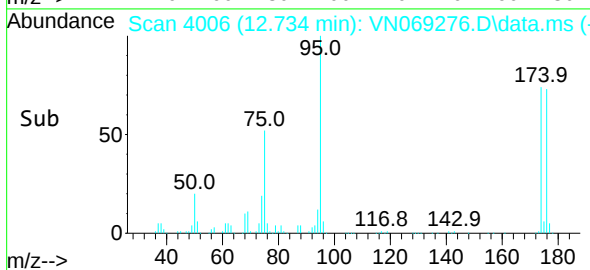
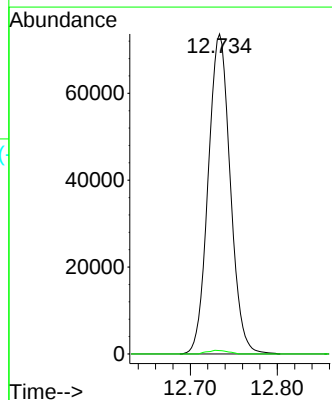
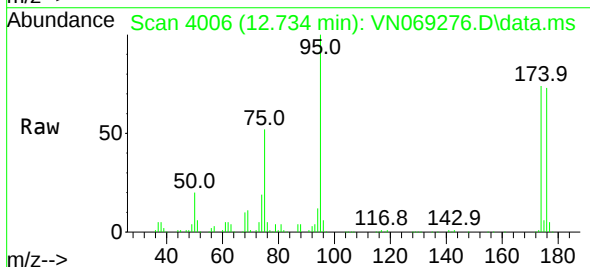
Instrument :
MSVOA_D
ClientSampled :

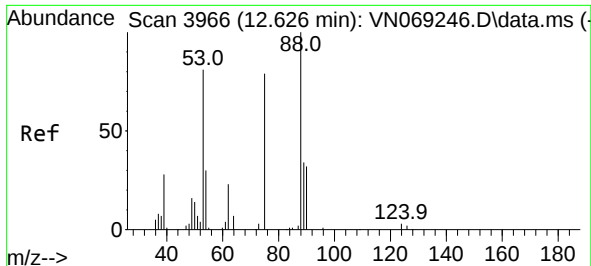
Tgt Ion:152 Resp: 198586
Ion Ratio Lower Upper
152 100
115 61.9 31.4 94.3
150 157.4 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 24.850 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069276.D
Acq: 29 Oct 2021 3:27

Tgt Ion: 75 Resp: 129792
Ion Ratio Lower Upper
75 100
77 1.1 96.2 288.4#

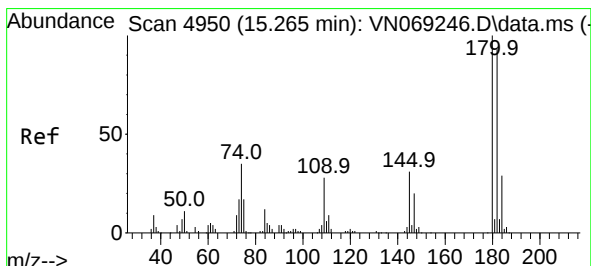
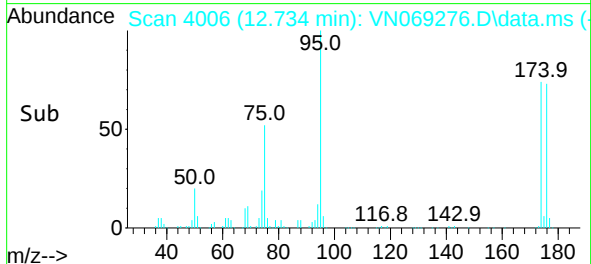
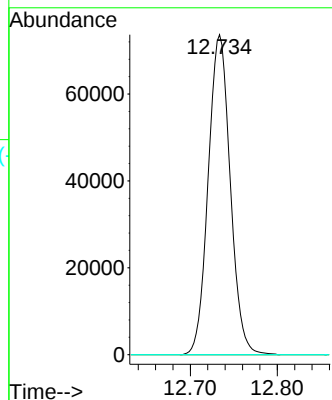
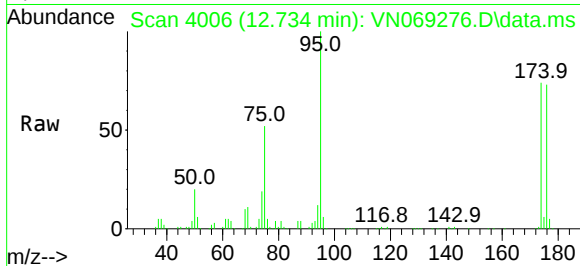




#81
trans-1,4-Dichloro-2-butene
Concen: 71.201 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN069276.D
Acq: 29 Oct 2021 3:27

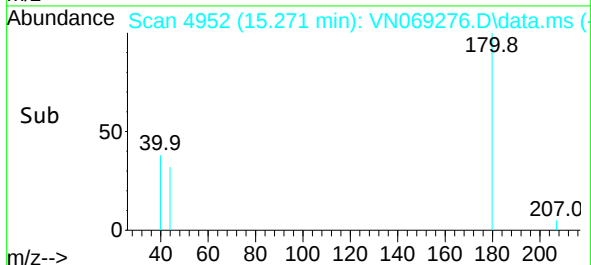
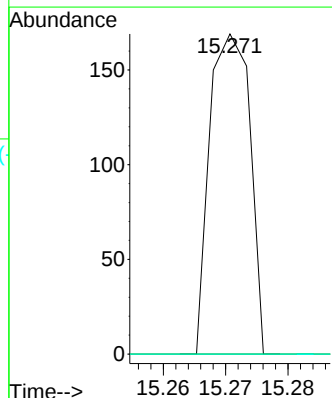
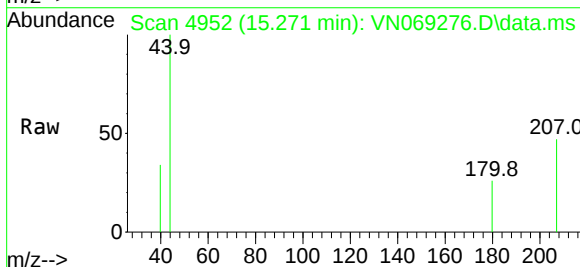
Instrument :
MSVOA_D
ClientSampleId :

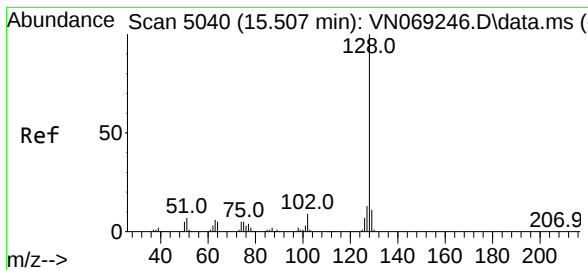
Tgt Ion: 75 Resp: 129792
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.510 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN069276.D
Acq: 29 Oct 2021 3:27

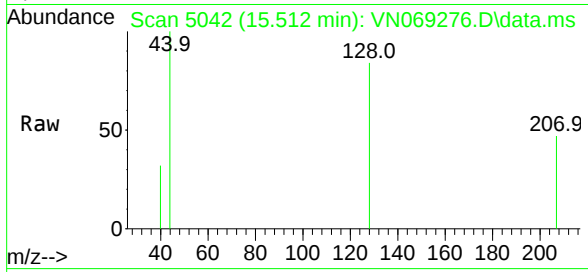
Tgt Ion:180 Resp: 76
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.7#
145 0.0 16.4 49.2#





#95
Naphthalene
Concen: 3.394 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069276.D
Acq: 29 Oct 2021 3:27

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 912
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

