

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082321\
 Data File : VN068265.D
 Acq On : 23 Aug 2021 13:39
 Operator : JC/MD
 Sample : PB138634ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 24 03:53:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

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

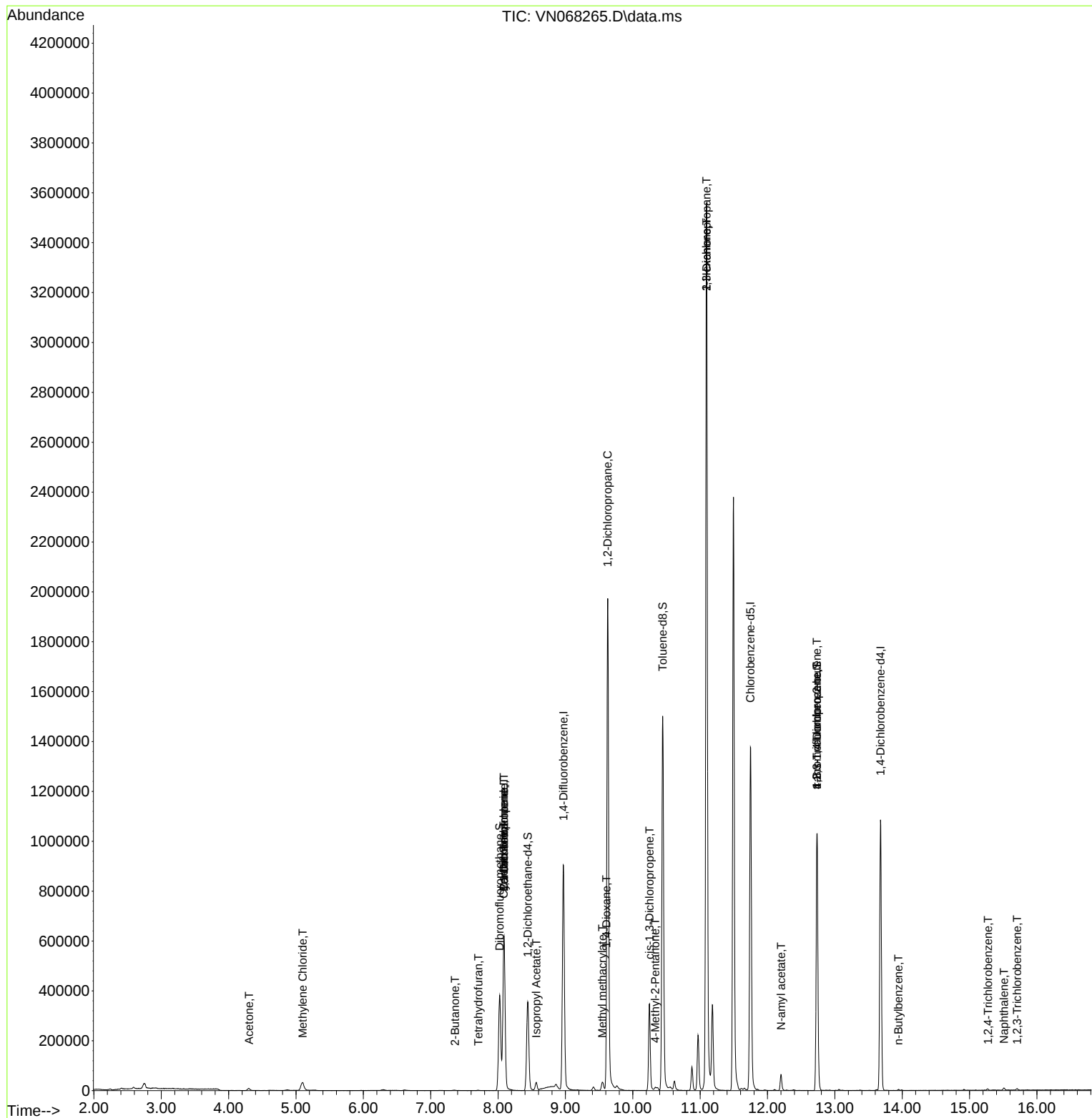
Internal Standards						
1) Pentafluorobenzene	8.088	168	523809	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	871493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	910400	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	326536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	308471	55.155	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 110.300%		
35) Dibromofluoromethane	8.024	113	277095	50.644	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 101.280%		
50) Toluene-d8	10.443	98	1113515	53.411	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 106.820%		
62) 4-Bromofluorobenzene	12.734	95	351127	50.593	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 101.180%		
Target Compounds						
						Qvalue
5) Bromomethane	2.837	94	82	Below Cal	#	4
6) Chloroethane	3.113	64	25	Below Cal	#	44
13) Acrolein	4.047	56	470	Below Cal	#	26
16) Acetone	4.304	43	15306	9.373	ug/l	97
18) Methyl Acetate	4.873	43	4468	Below Cal	#	88
20) Methylene Chloride	5.098	84	28338	4.330	ug/l	# 78
25) 2-Butanone	7.362	43	2660	1.045	ug/l	# 82
29) Tetrahydrofuran	7.708	42	1029	0.632	ug/l	# 63
31) Cyclohexane	8.083	56	9578	1.300	ug/l	# 8
36) 1,1-Dichloropropene	8.088	75	32327	4.538	ug/l	# 53
38) Carbon Tetrachloride	8.088	117	47352	5.763	ug/l	# 17
43) Isopropyl Acetate	8.568	43	33974	3.495	ug/l	# 93
45) 1,2-Dichloropropane	9.625	63	2623	0.513	ug/l	# 44
48) Methyl methacrylate	9.547	41	7807	1.927	ug/l	# 12
49) 1,4-Dioxane	9.606	88	25	0.255	ug/l	# 20
51) 4-Methyl-2-Pentanone	10.336	43	4304	0.721	ug/l	# 43
54) cis-1,3-Dichloropropene	10.247	75	68407	8.291	ug/l	# 54
57) 1,3-Dichloropropane	11.095	76	41581	4.557	ug/l	# 43
59) 2-Hexanone	11.095	43	511940	123.458	ug/l	# 58
74) N-amyl acetate	12.200	43	19150	3.167	ug/l	# 58
76) 1,2,3-Trichloropropane	12.734	75	178066	32.809	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	178066	107.487	ug/l	# 6
89) n-Butylbenzene	13.943	91	2784	0.206	ug/l	93
93) 1,2,4-Trichlorobenzene	15.273	180	2303	3.085	ug/l	92
95) Naphthalene	15.509	128	9122	4.008	ug/l	# 90
96) 1,2,3-Trichlorobenzene	15.705	180	2468	3.282	ug/l	96

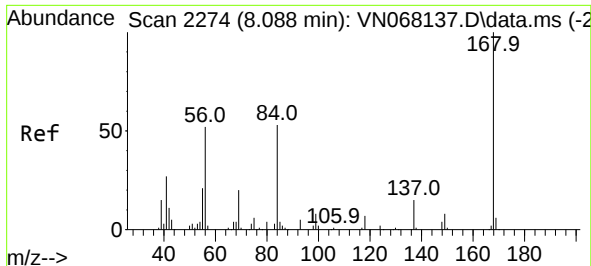
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

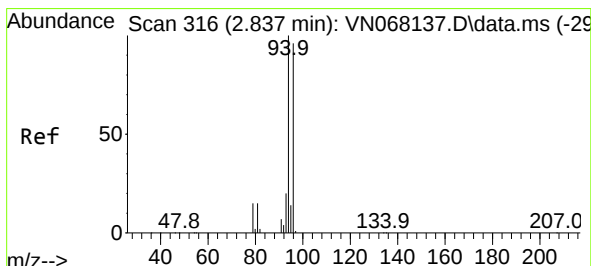
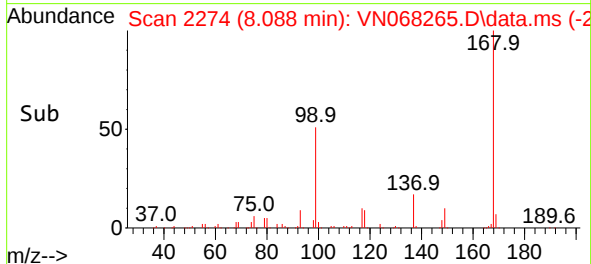
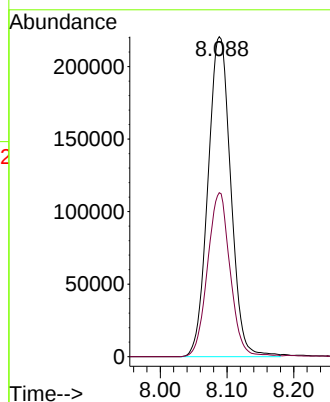
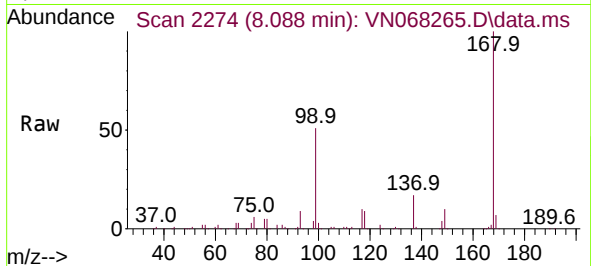




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

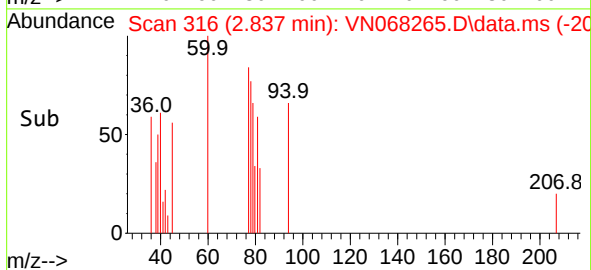
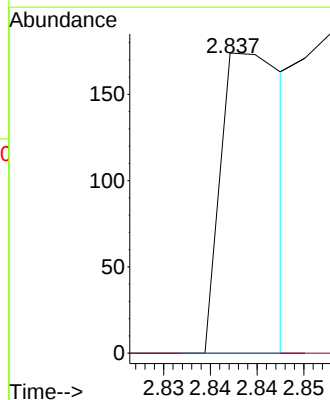
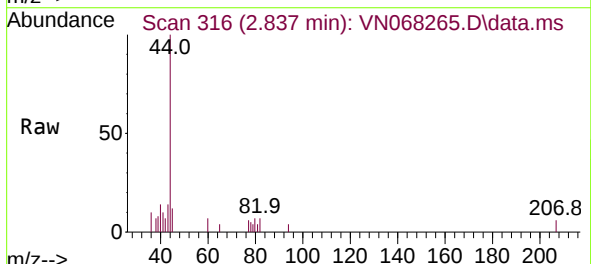
Instrument :
MSVOA_N
ClientSampled :

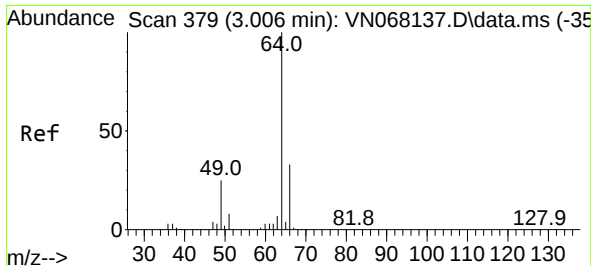
Tgt Ion:168 Resp: 523809
Ion Ratio Lower Upper
168 100
99 51.2 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.837 min Scan# 316
Delta R.T. 0.000 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

Tgt Ion: 94 Resp: 82
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

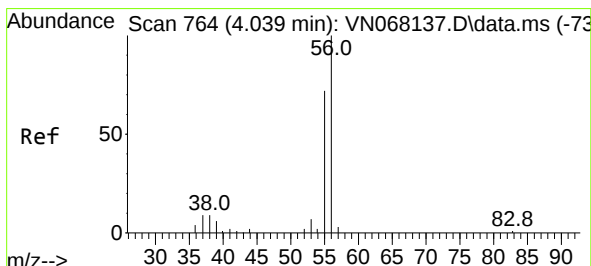
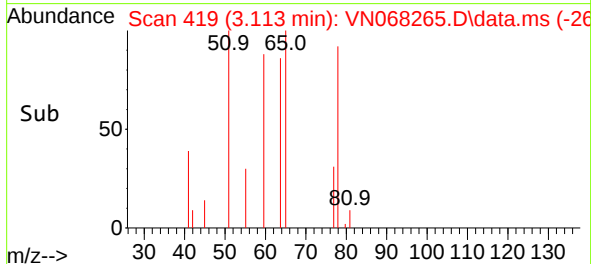
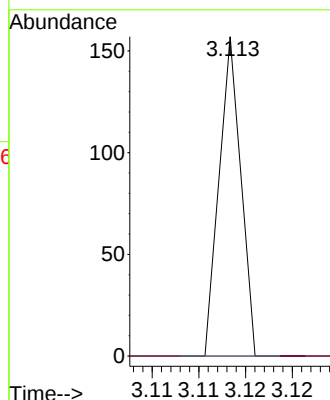
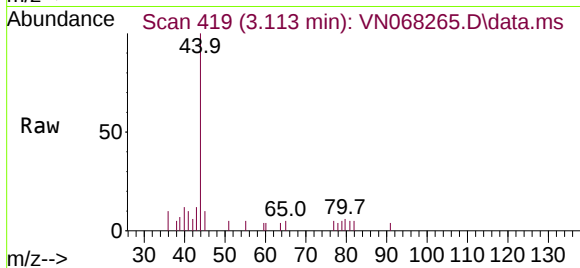




#6
Chloroethane
Concen: Below Cal
RT: 3.113 min Scan# 419
Delta R.T. 0.107 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

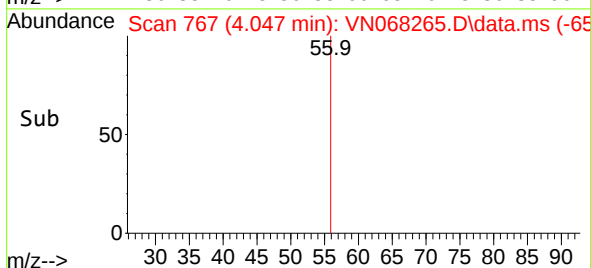
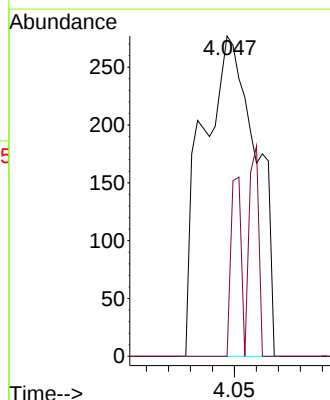
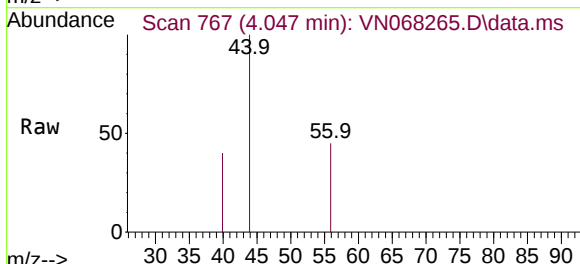
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.047 min Scan# 767
Delta R.T. 0.008 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

Tgt Ion: 56 Resp: 470
Ion Ratio Lower Upper
56 100
55 10.4 57.4 86.0#

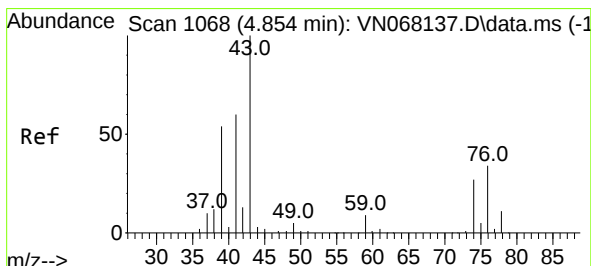
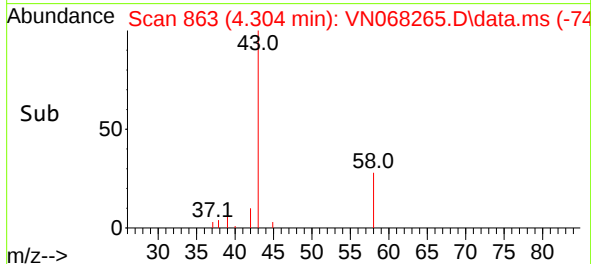
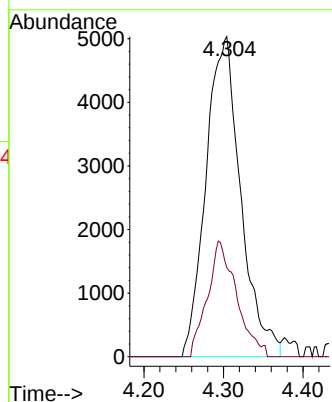
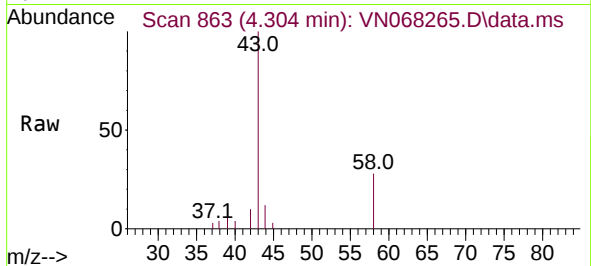




#16
Acetone
Concen: 9.373 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.016 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

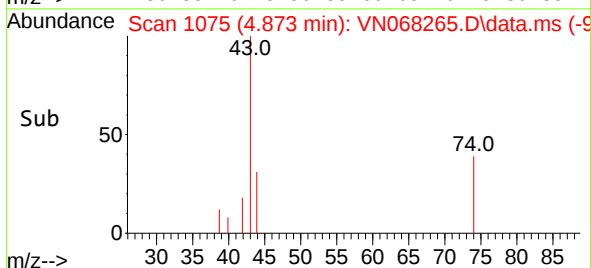
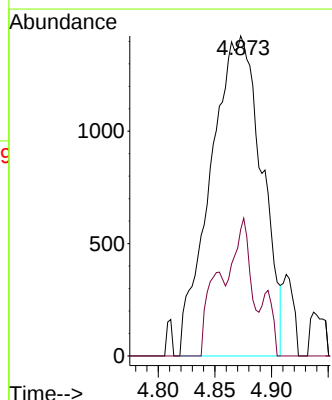
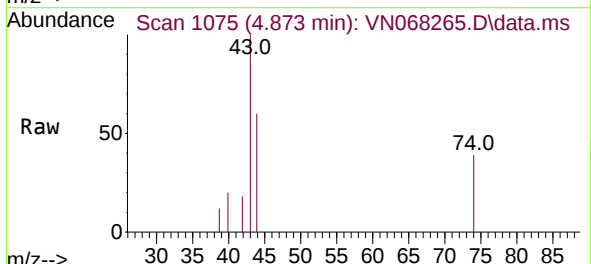
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 15306
Ion Ratio Lower Upper
43 100
58 27.9 21.2 31.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.873 min Scan# 1075
Delta R.T. 0.019 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

Tgt Ion: 43 Resp: 4468
Ion Ratio Lower Upper
43 100
74 15.8 17.4 26.0#

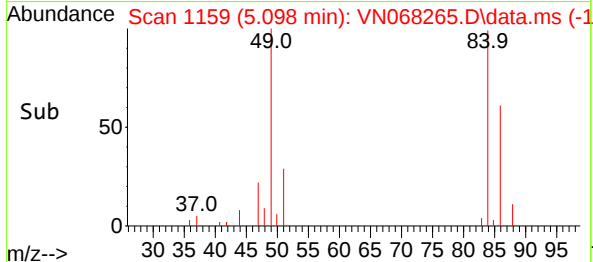
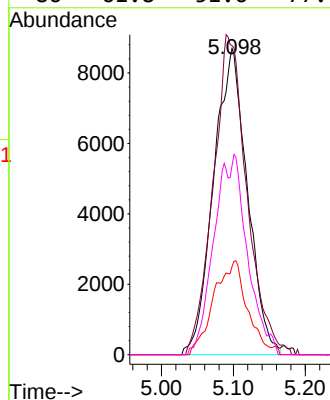
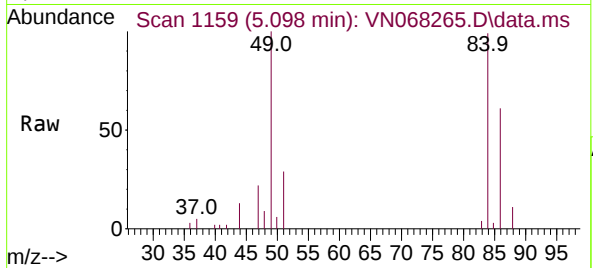




#20
Methylene Chloride
Concen: 4.330 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.005 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

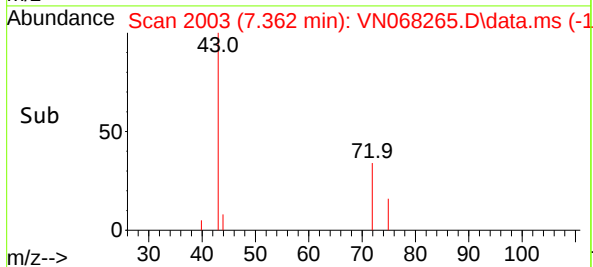
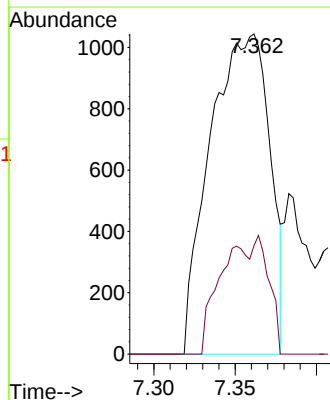
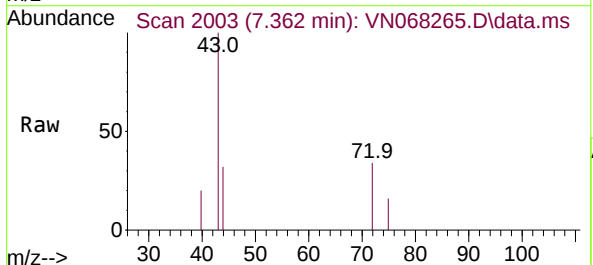
Instrument :
MSVOA_N
ClientSampled :

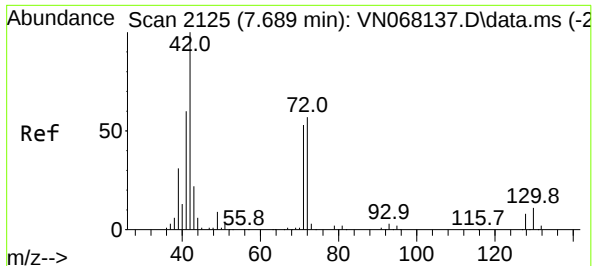
Tgt Ion:	84	Resp:	28338
Ion	Ratio	Lower	Upper
84	100		
49	101.0	110.9	166.3#
51	28.8	32.6	49.0#
86	61.8	51.6	77.4



#25
2-Butanone
Concen: 1.045 ug/l
RT: 7.362 min Scan# 2003
Delta R.T. 0.022 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

Tgt Ion:	43	Resp:	2660
Ion	Ratio	Lower	Upper
43	100		
72	33.8	19.7	29.5#





#29

Tetrahydrofuran

Concen: 0.632 ug/l

RT: 7.708 min Scan# 2132

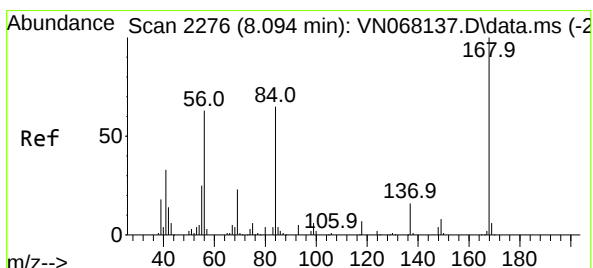
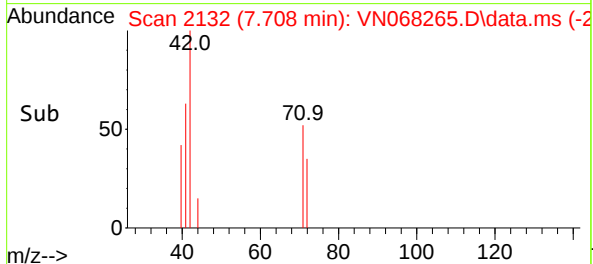
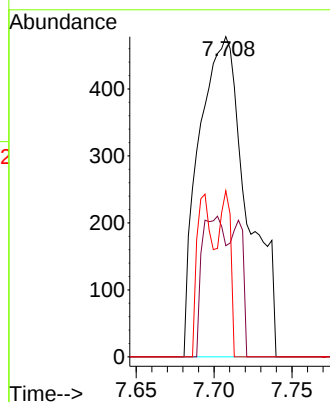
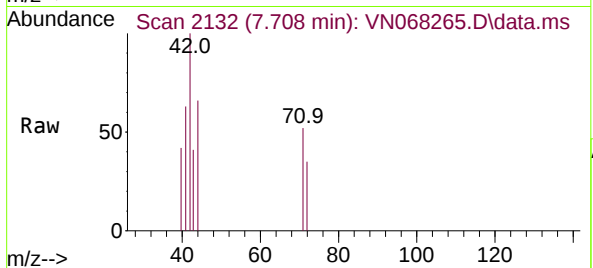
Delta R.T. 0.019 min

Lab File: VN068265.D

Acq: 23 Aug 2021 13:39

Tgt Ion:	42	Resp:	1029
Ion	Ratio	Lower	Upper
42	100		
72	20.9	32.8	49.2#
71	13.1	31.2	46.8#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.300 ug/l

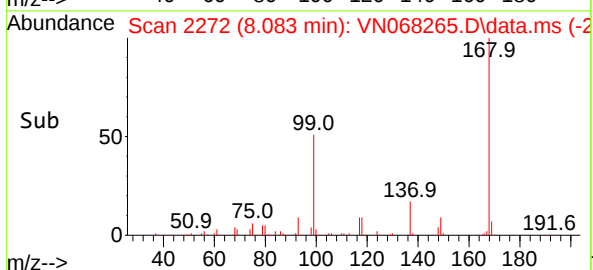
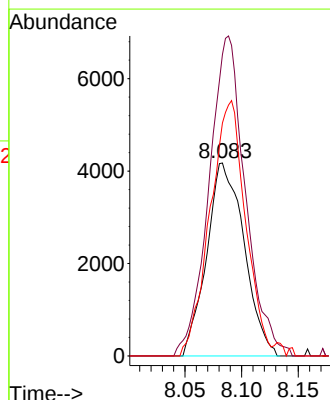
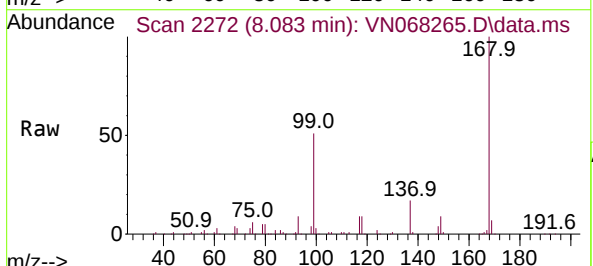
RT: 8.083 min Scan# 2272

Delta R.T. -0.011 min

Lab File: VN068265.D

Acq: 23 Aug 2021 13:39

Tgt Ion:	56	Resp:	9578
Ion	Ratio	Lower	Upper
56	100		
69	150.8	27.3	40.9#
84	120.7	64.9	97.3#

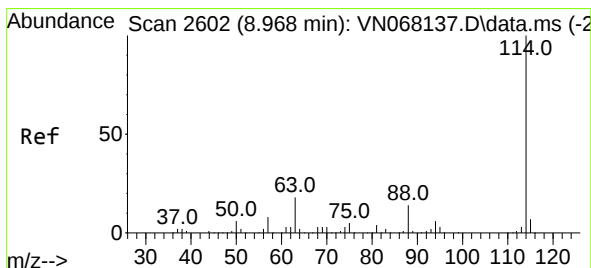
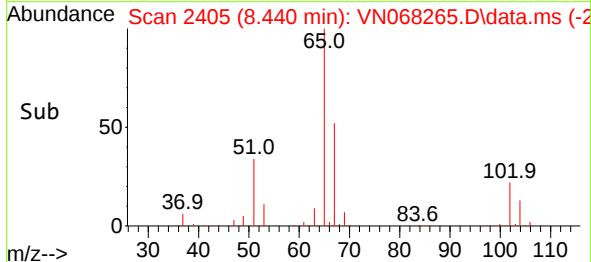
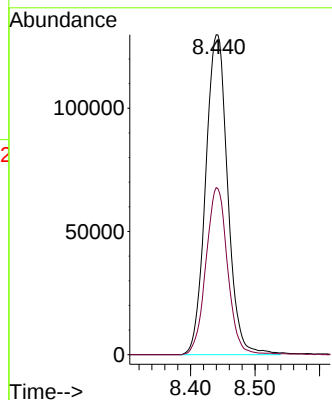
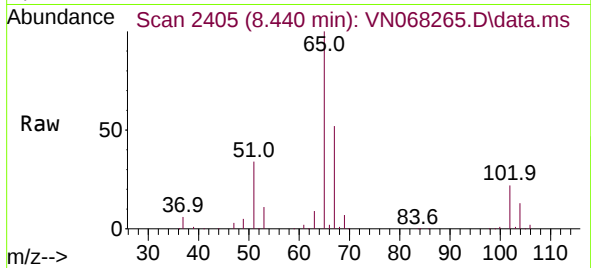




#33
 1,2-Dichloroethane-d4
 Concen: 55.155 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068265.D
 Acq: 23 Aug 2021 13:39

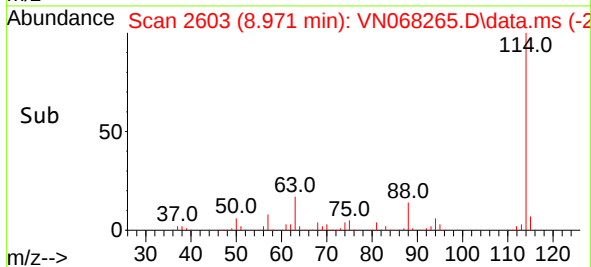
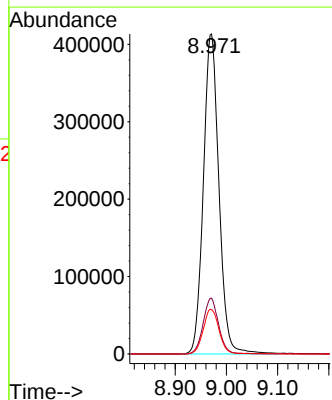
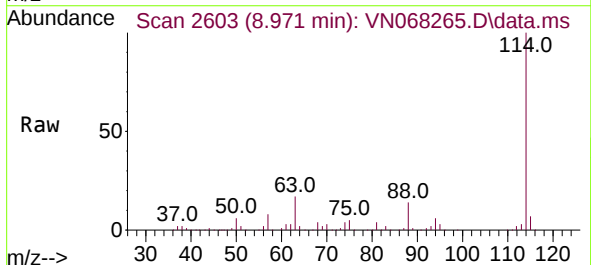
Instrument :
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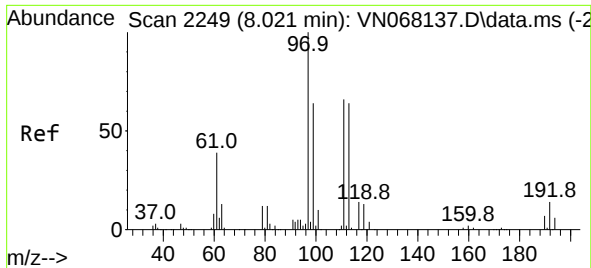
Tgt Ion: 65 Resp: 308471
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068265.D
 Acq: 23 Aug 2021 13:39

Tgt Ion: 114 Resp: 871493
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 49.0
 88 13.9 0.0 36.6

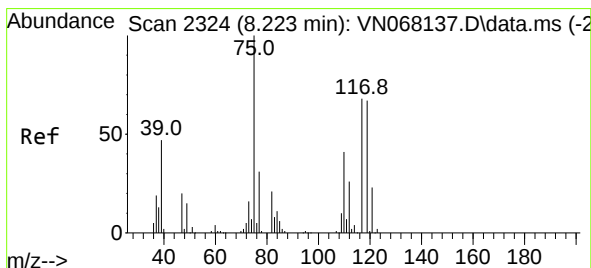
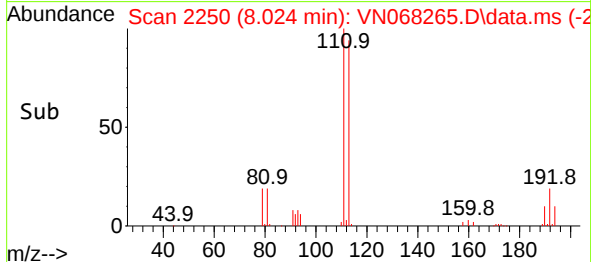
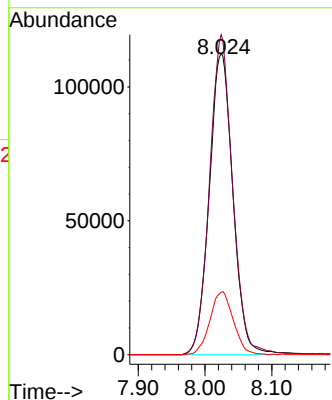
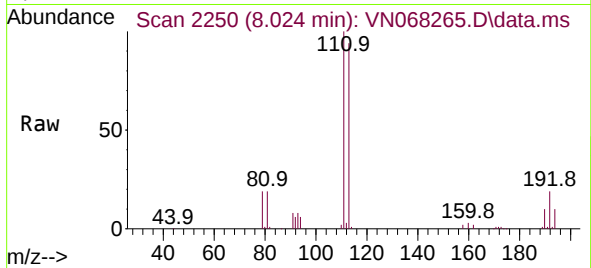




#35
Dibromofluoromethane
Concen: 50.644 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

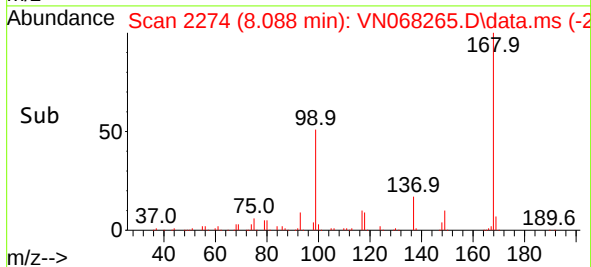
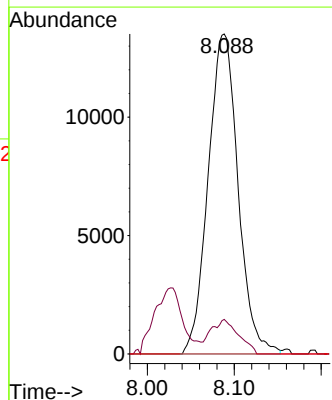
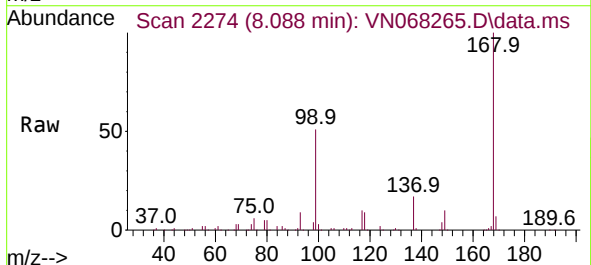
Instrument :
MSVOA_N
ClientSampled :

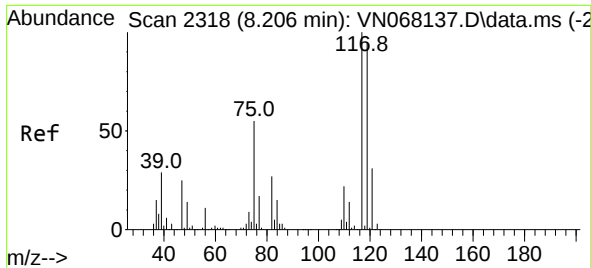
Tgt Ion:113 Resp: 277095
Ion Ratio Lower Upper
113 100
111 103.3 83.8 125.8
192 20.8 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.538 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

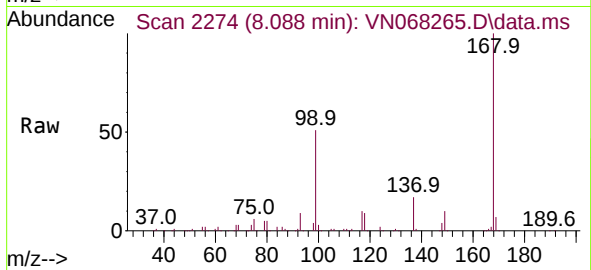
Tgt Ion: 75 Resp: 32327
Ion Ratio Lower Upper
75 100
110 10.2 15.7 47.0#
77 0.0 24.6 37.0#



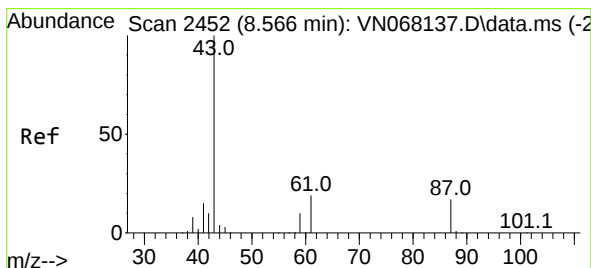
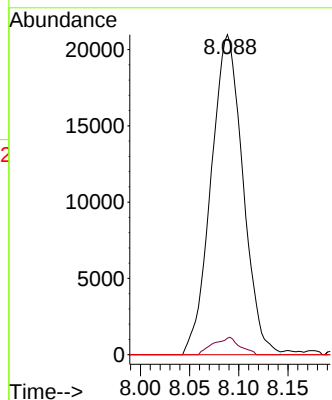
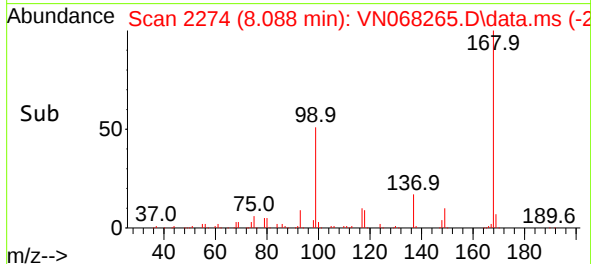


#38
Carbon Tetrachloride
Concen: 5.763 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

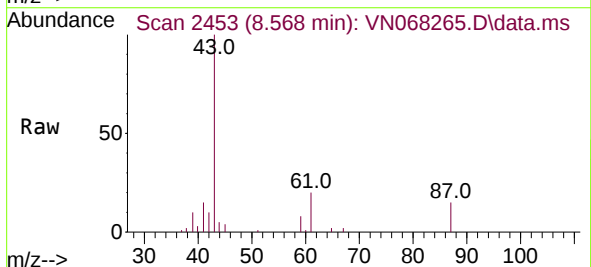
Instrument :
MSVOA_N
ClientSampled :



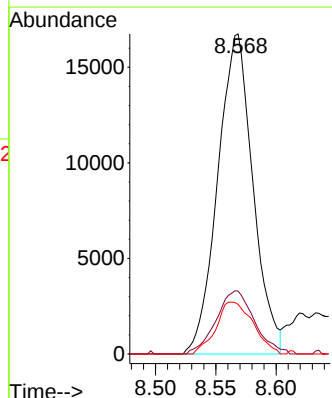
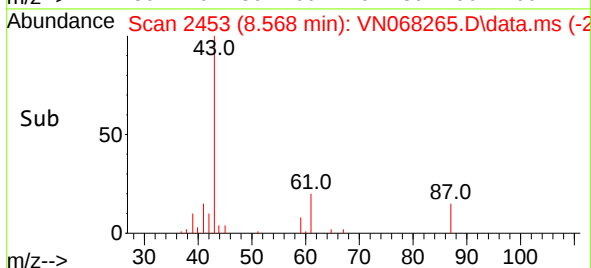
Tgt Ion:117 Resp: 47352
Ion Ratio Lower Upper
117 100
119 5.2 75.4 113.2#
121 0.0 23.5 35.3#

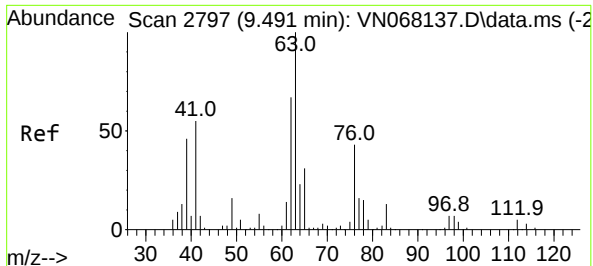


#43
Isopropyl Acetate
Concen: 3.495 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.002 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39



Tgt Ion: 43 Resp: 33974
Ion Ratio Lower Upper
43 100
61 21.5 19.0 28.4
87 17.1 9.5 14.3#

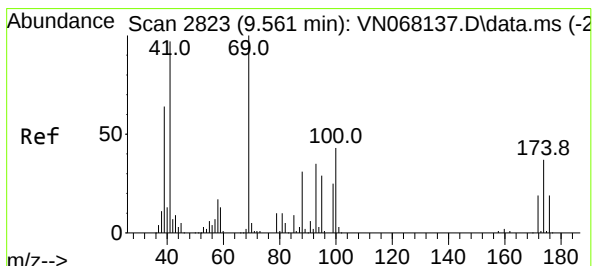
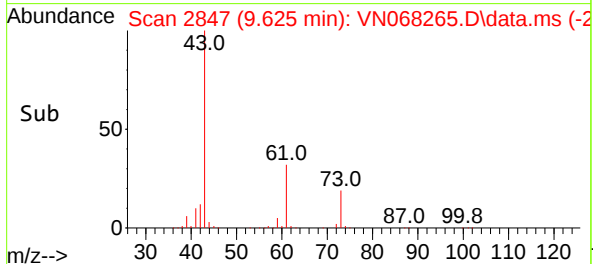
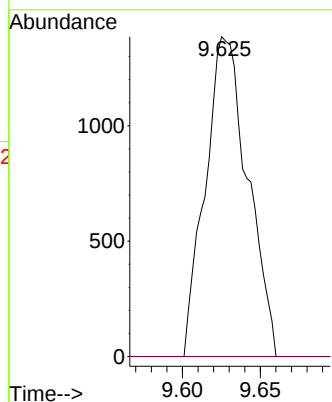
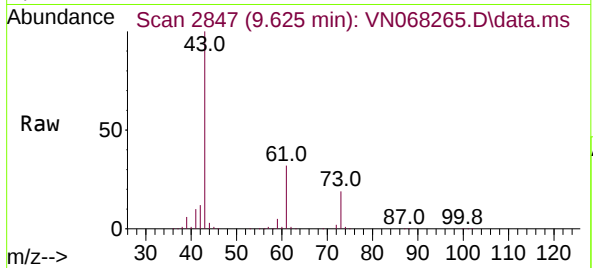




#45
1,2-Dichloropropane
Concen: 0.513 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

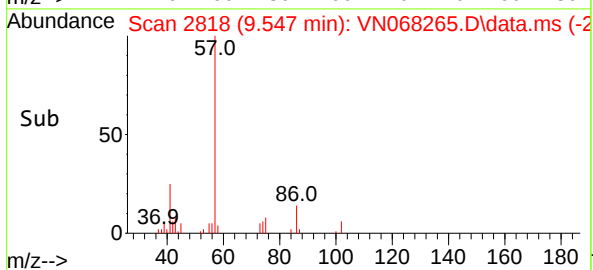
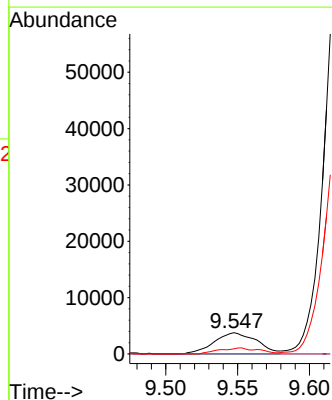
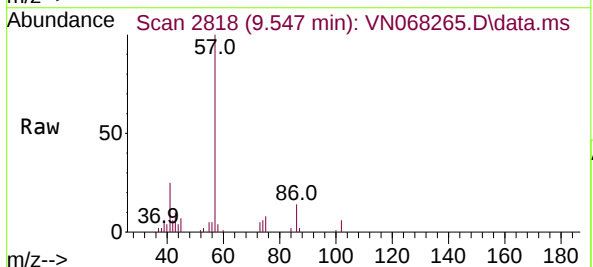
Instrument :
MSVOA_N
ClientSampled :

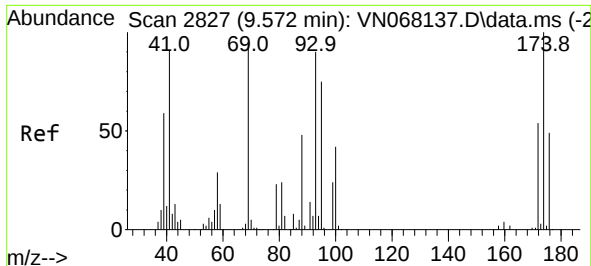
Tgt Ion: 63 Resp: 2623
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#48
Methyl methacrylate
Concen: 1.927 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

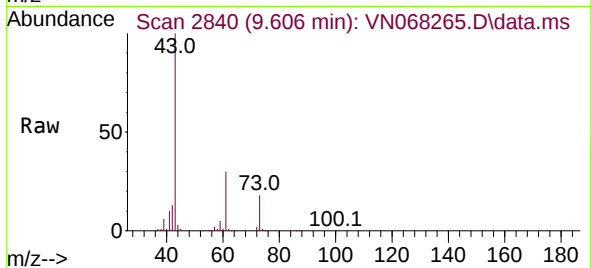
Tgt Ion: 41 Resp: 7807
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



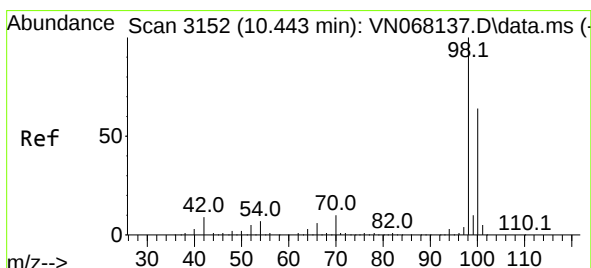
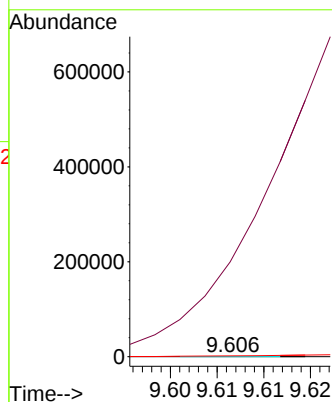
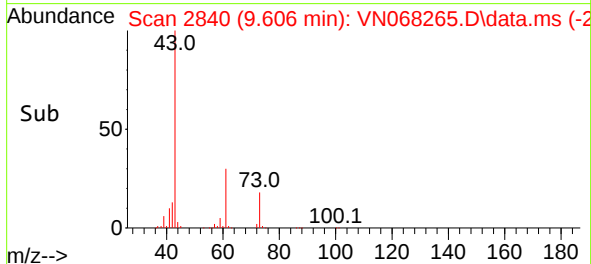


#49
1,4-Dioxane
Concen: 0.255 ug/l
RT: 9.606 min Scan# 2840
Delta R.T. 0.034 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

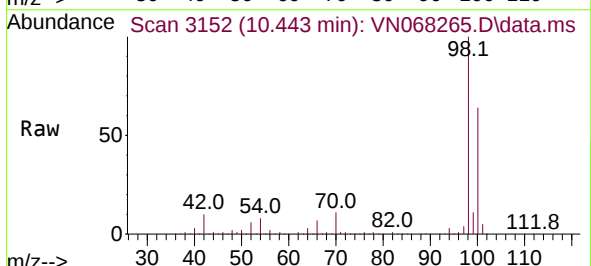
Instrument :
MSVOA_N
ClientSampled :



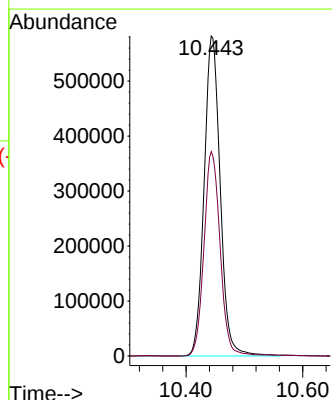
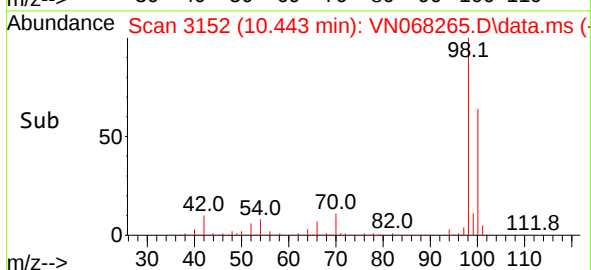
Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 60.4 90.6#

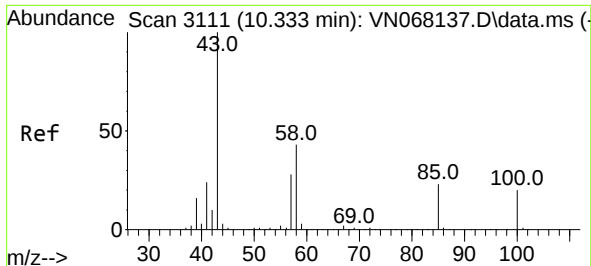


#50
Toluene-d8
Concen: 53.411 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39



Tgt Ion: 98 Resp: 1113515
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5

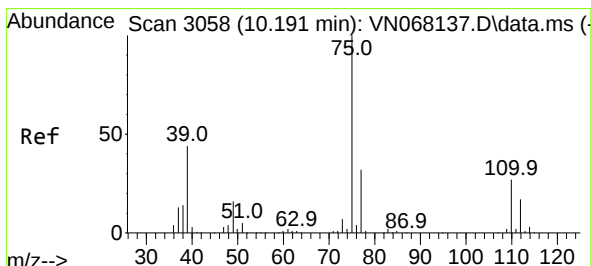
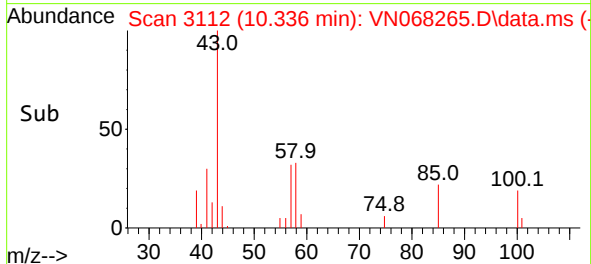
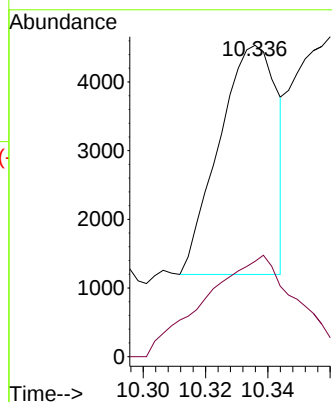
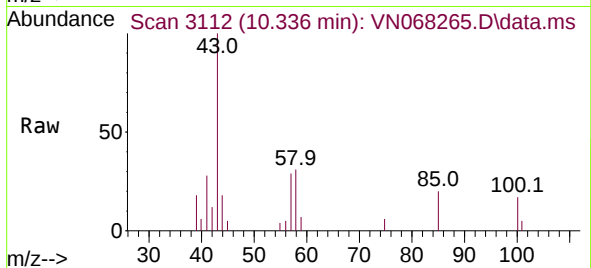




#51
4-Methyl-2-Pentanone
Concen: 0.721 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

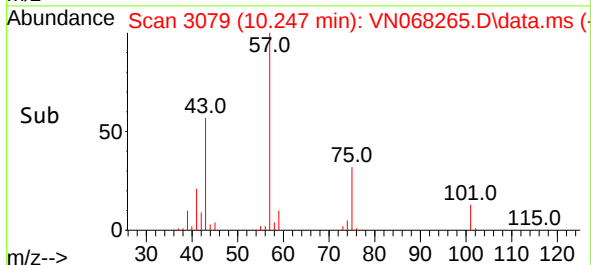
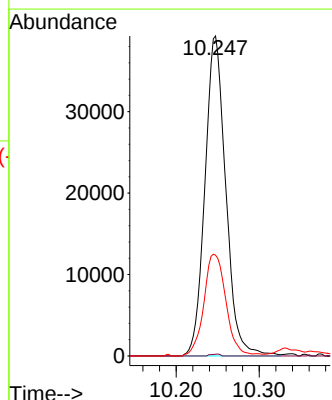
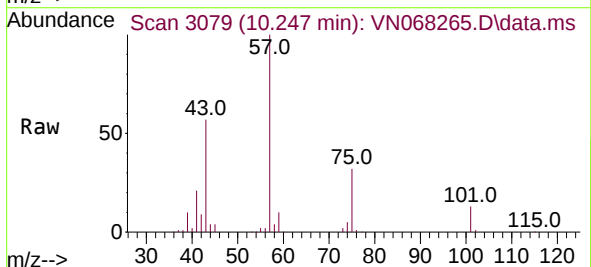
Instrument :
MSVOA_N
ClientSampled :

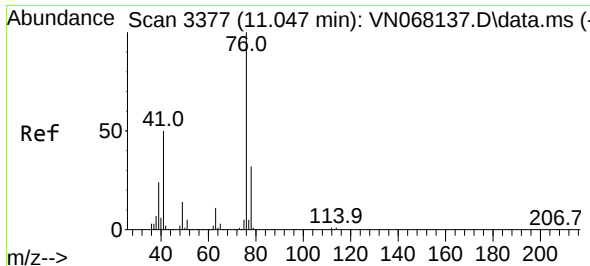
Tgt Ion: 43 Resp: 4304
Ion Ratio Lower Upper
43 100
58 69.3 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 8.291 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

Tgt Ion: 75 Resp: 68407
Ion Ratio Lower Upper
75 100
77 0.6 24.6 37.0#
39 31.5 50.7 76.1#

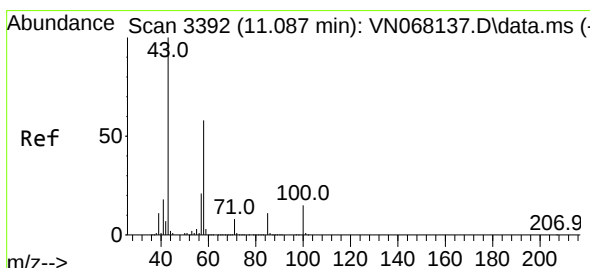
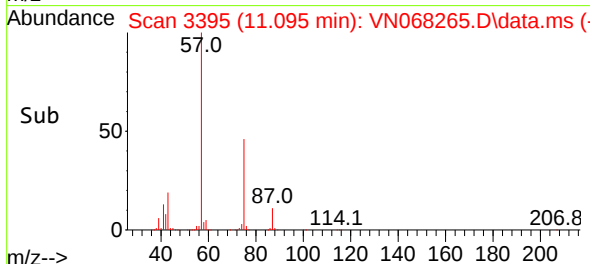
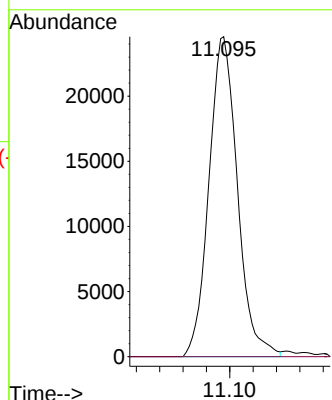
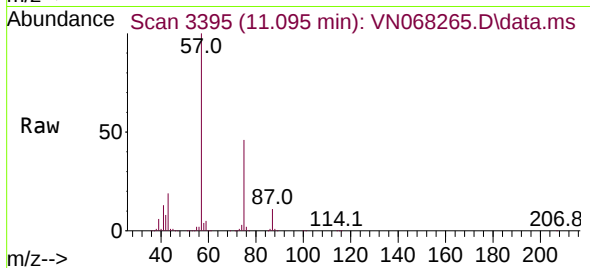




#57
1,3-Dichloropropane
Concen: 4.557 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

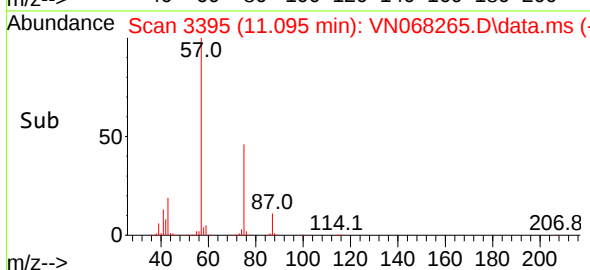
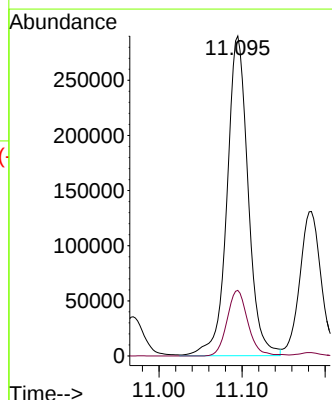
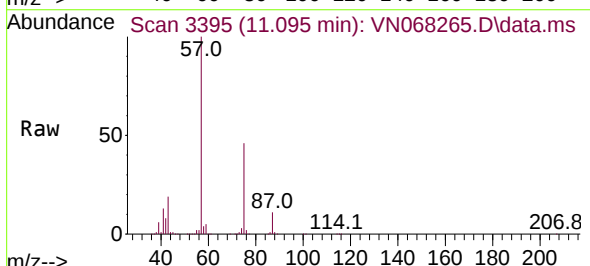
Instrument :
MSVOA_N
ClientSampled :

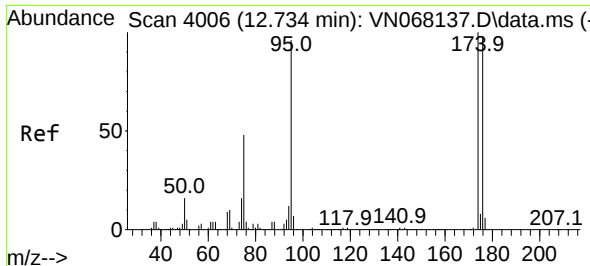
Tgt Ion: 76 Resp: 41581
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 123.458 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

Tgt Ion: 43 Resp: 511940
Ion Ratio Lower Upper
43 100
58 20.4 24.7 74.1#

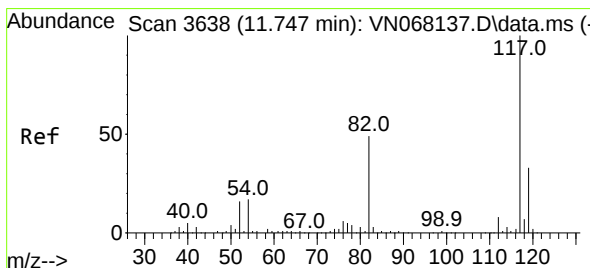
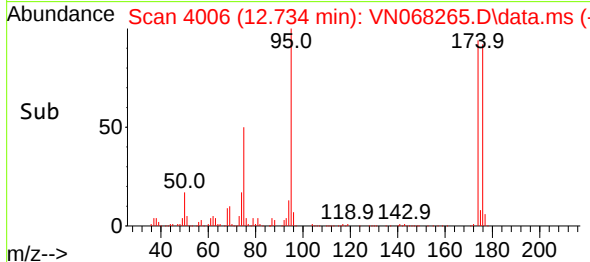
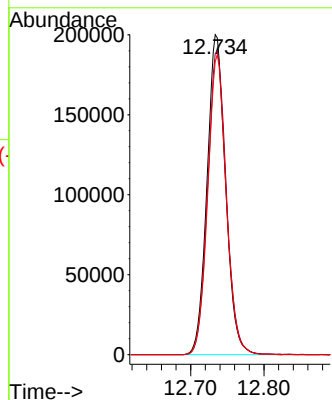
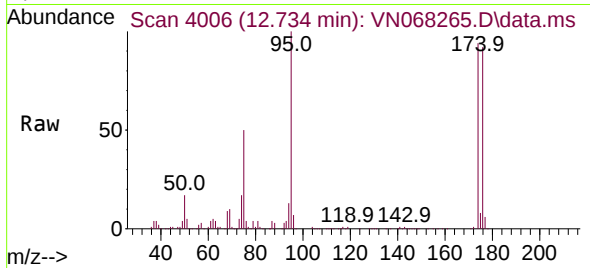




#62
4-Bromofluorobenzene
Concen: 50.593 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

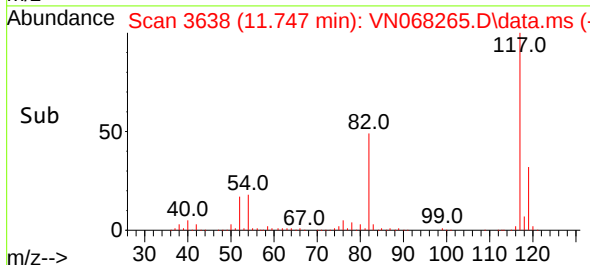
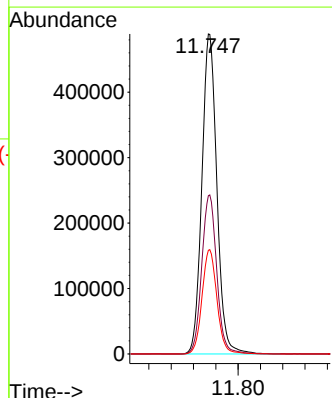
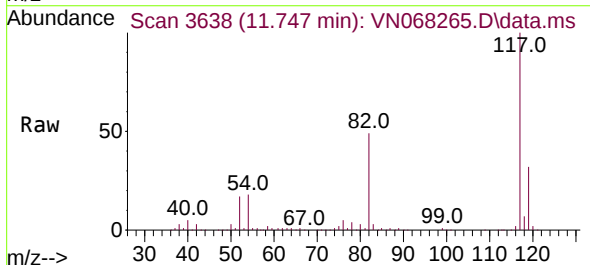
Instrument :
MSVOA_N
ClientSampled :

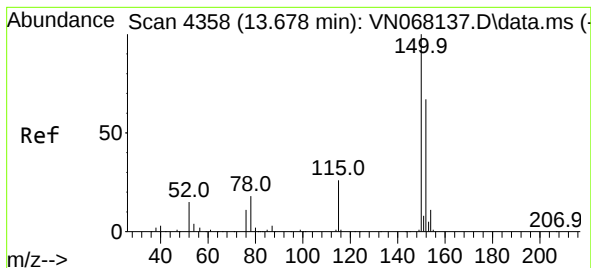
Tgt Ion: 95 Resp: 351127
Ion Ratio Lower Upper
95 100
174 96.3 0.0 122.0
176 93.3 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

Tgt Ion: 117 Resp: 910400
Ion Ratio Lower Upper
117 100
82 49.5 53.1 79.7#
119 32.4 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.678 min Scan# 4358

Delta R.T. -0.000 min

Lab File: VN068265.D

Acq: 23 Aug 2021 13:39

Tgt Ion:152 Resp: 326536

Ion Ratio Lower Upper

152 100

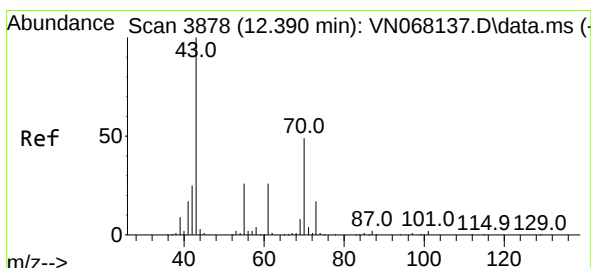
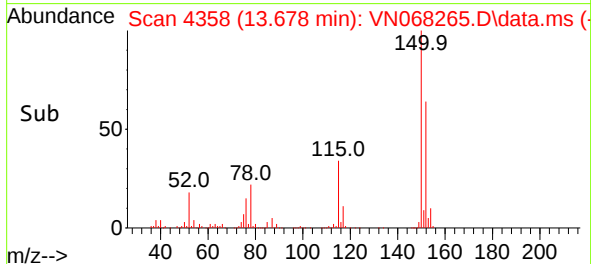
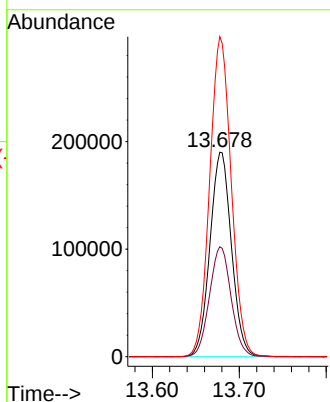
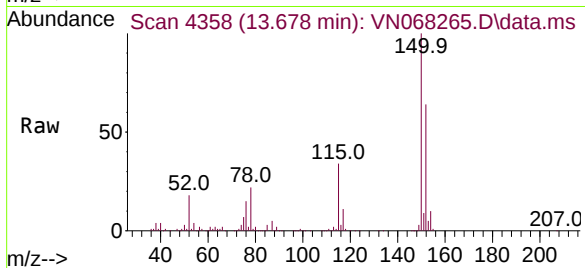
115 54.2 36.1 108.5

150 156.9 0.0 351.8

Instrument :

MSVOA_N

ClientSampled :



#74

N-ethyl acetate

Concen: 3.167 ug/l

RT: 12.200 min Scan# 3807

Delta R.T. -0.190 min

Lab File: VN068265.D

Acq: 23 Aug 2021 13:39

Tgt Ion: 43 Resp: 19150

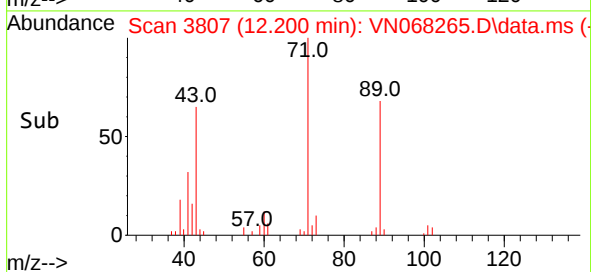
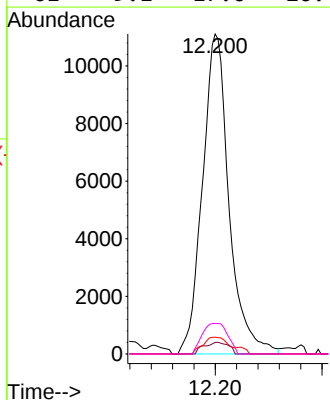
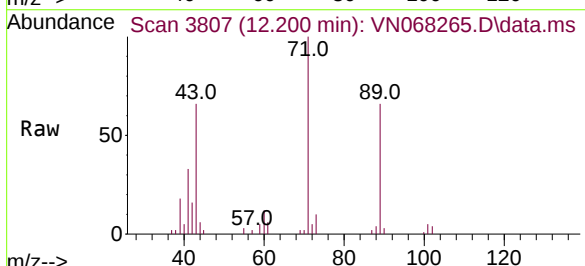
Ion Ratio Lower Upper

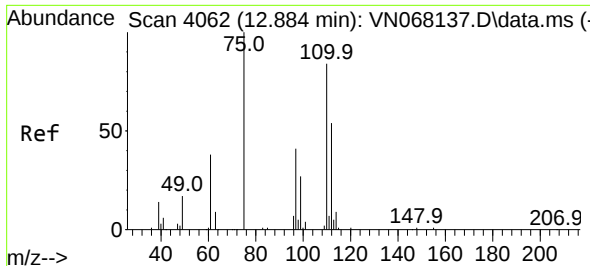
43 100

70 3.4 29.4 44.2#

55 4.9 17.0 25.4#

61 9.1 17.6 26.4#

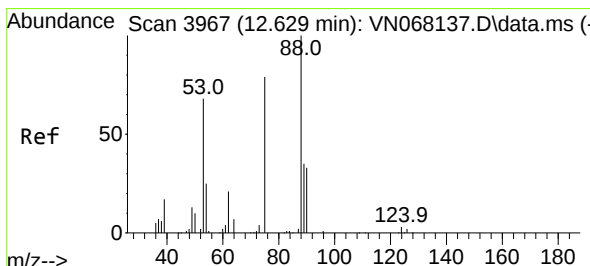
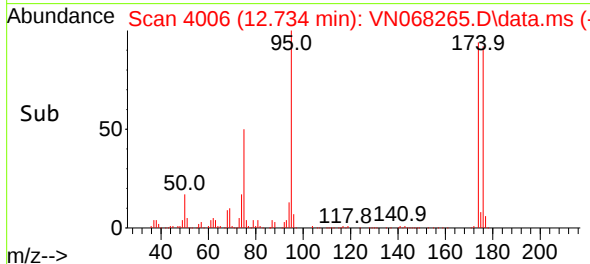
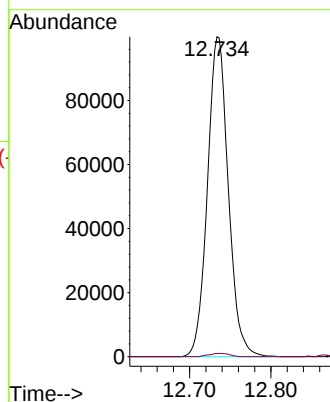
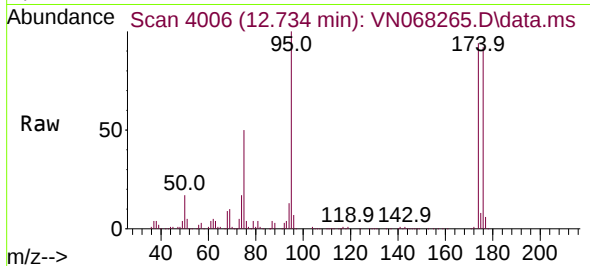




#76
1,2,3-Trichloropropane
Concen: 32.809 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

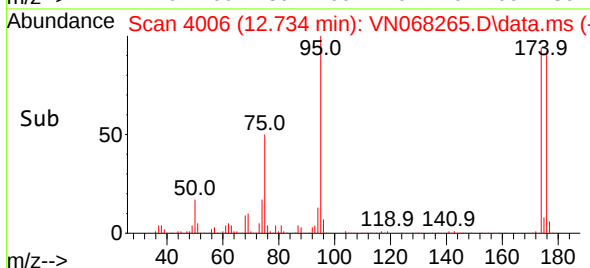
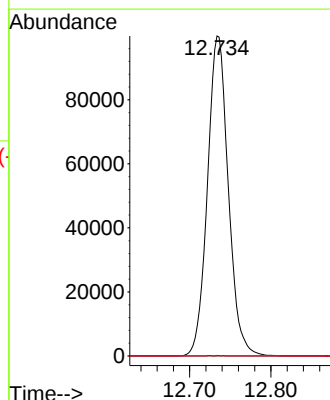
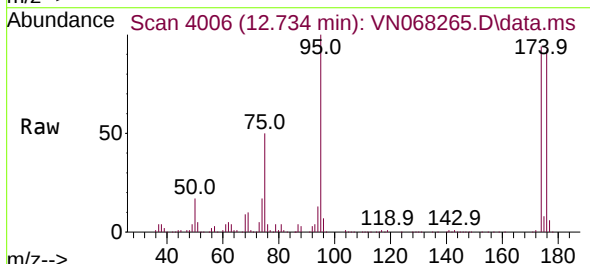
Instrument :
MSVOA_N
ClientSampled :

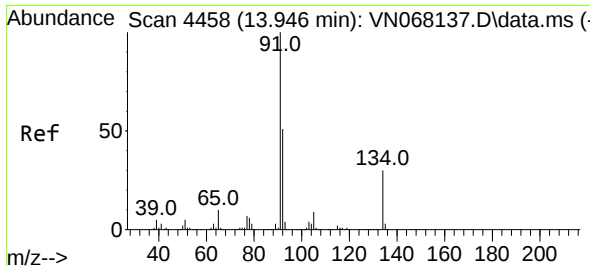
Tgt Ion: 75 Resp: 178066
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.487 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

Tgt Ion: 75 Resp: 178066
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

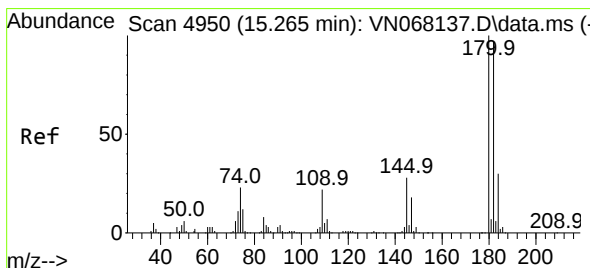
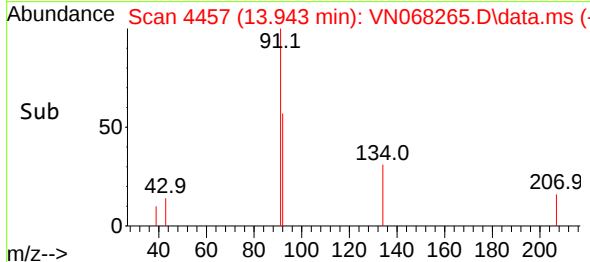
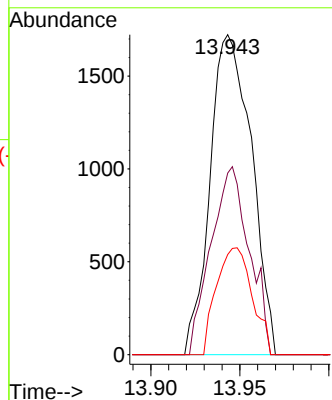
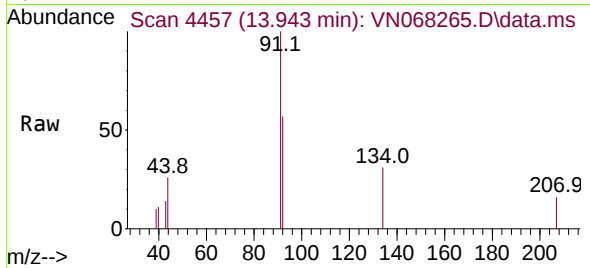




#89
n-Butylbenzene
Concen: 0.206 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. -0.003 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

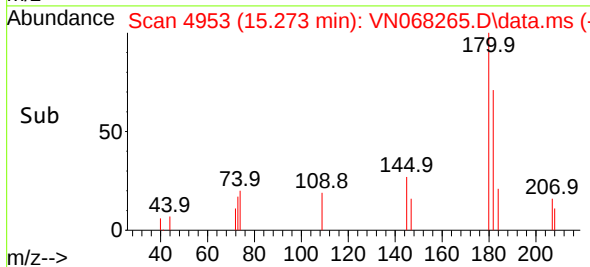
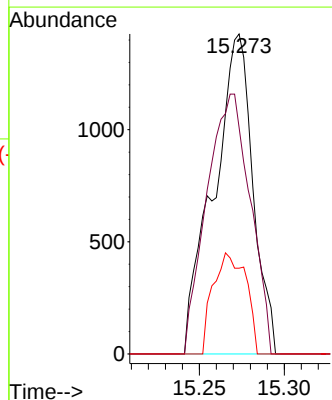
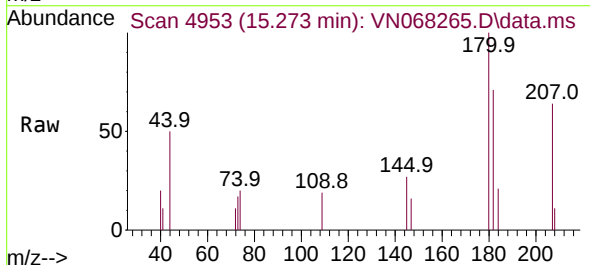
Instrument :
MSVOA_N
ClientSampleId :

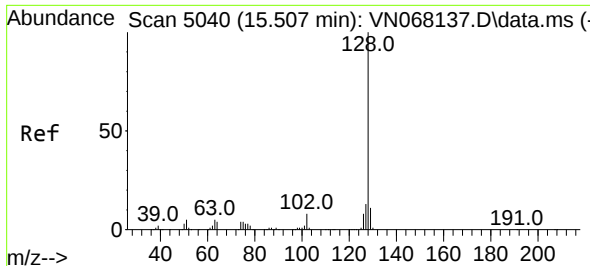
Tgt Ion: 91 Resp: 2784
Ion Ratio Lower Upper
91 100
92 54.6 25.7 77.1
134 28.8 11.2 33.6



#93
1,2,4-Trichlorobenzene
Concen: 3.085 ug/l
RT: 15.273 min Scan# 4953
Delta R.T. 0.008 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

Tgt Ion:180 Resp: 2303
Ion Ratio Lower Upper
180 100
182 89.5 47.5 142.5
145 26.2 17.2 51.6

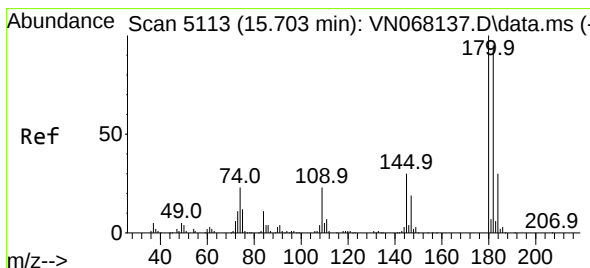
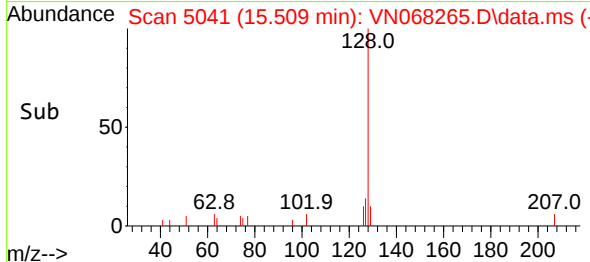
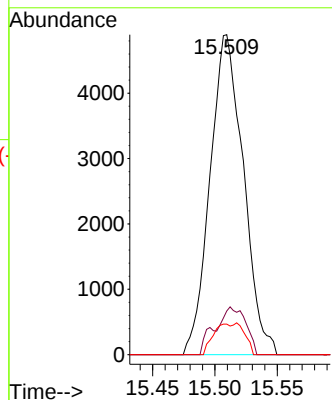
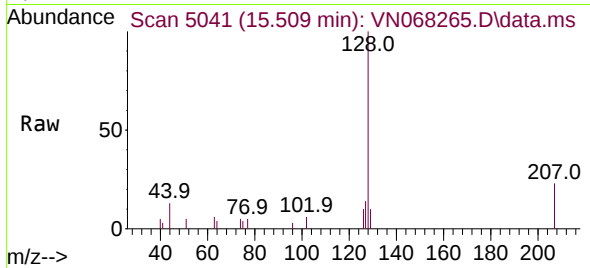




#95
Naphthalene
Concen: 4.008 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 9122
Ion Ratio Lower Upper
128 100
127 10.6 10.6 15.8
129 5.1 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 3.282 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.002 min
Lab File: VN068265.D
Acq: 23 Aug 2021 13:39

Tgt Ion:180 Resp: 2468
Ion Ratio Lower Upper
180 100
182 97.0 47.8 143.3
145 30.1 18.2 54.6

