

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082721\
 Data File : VN068335.D
 Acq On : 27 Aug 2021 10:56
 Operator : JC/MD
 Sample : VN0827MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 28 01:25:37 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)

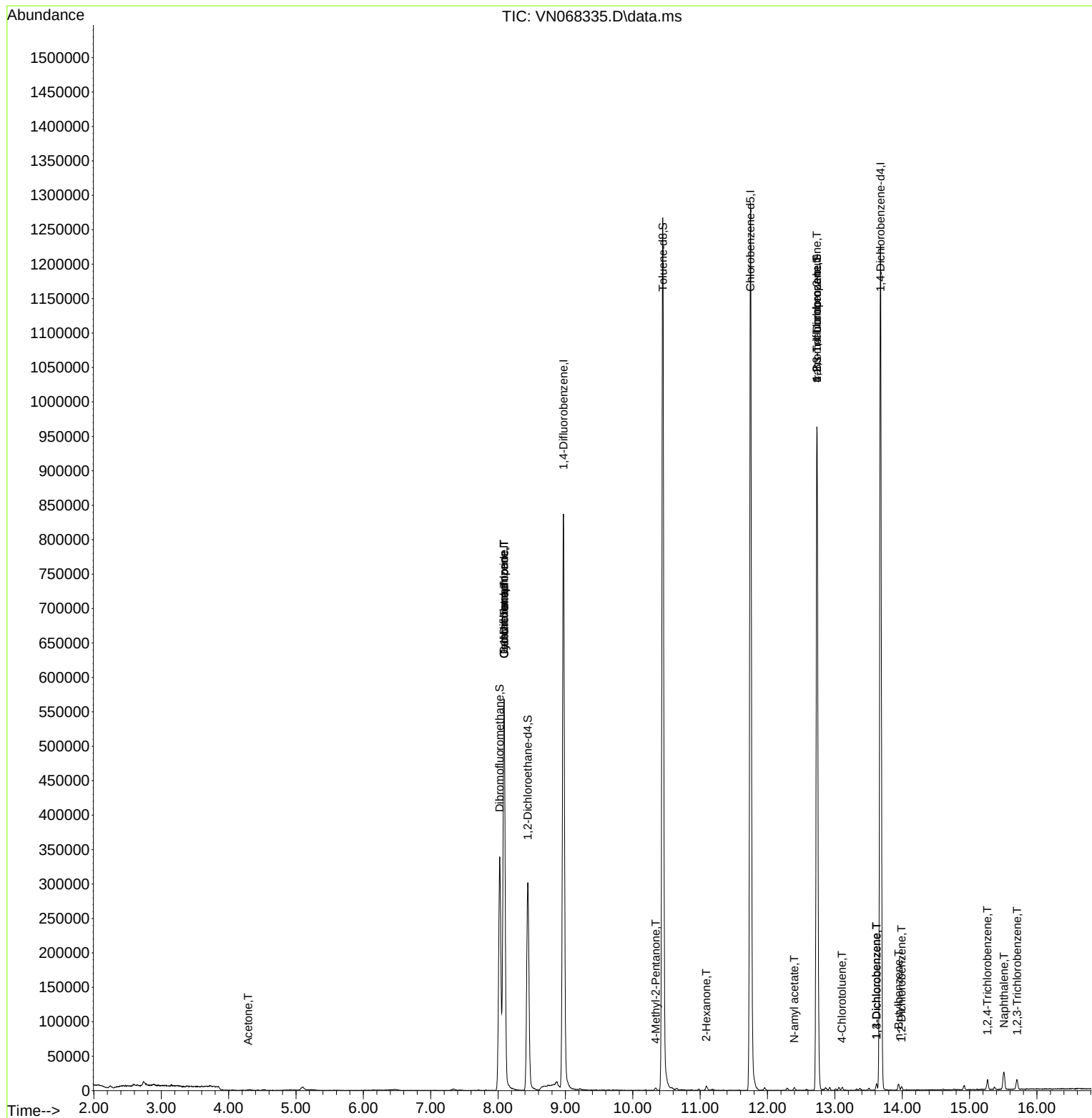
Internal Standards						
1) Pentafluorobenzene	8.088	168	480377	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	813309	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	837110	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	367449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	266177	51.895	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 103.800%		
35) Dibromofluoromethane	8.024	113	245876	48.153	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 96.300%		
50) Toluene-d8	10.446	98	955156	49.092	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 98.180%		
62) 4-Bromofluorobenzene	12.733	95	334605	51.661	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 103.320%		
Target Compounds						
						Qvalue
5) Bromomethane	2.845	94	91	Below Cal	#	4
6) Chloroethane	3.027	64	55	Below Cal	#	44
13) Acrolein	4.057	56	155	Below Cal	#	34
16) Acetone	4.288	43	814	0.544	ug/l	# 48
18) Methyl Acetate	4.856	43	90	Below Cal	#	54
20) Methylene Chloride	5.095	84	3789	Below Cal	#	72
31) Cyclohexane	8.091	56	8647	1.280	ug/l	# 18
36) 1,1-Dichloropropene	8.088	75	31075	4.674	ug/l	# 52
38) Carbon Tetrachloride	8.091	117	43765	5.707	ug/l	# 17
51) 4-Methyl-2-Pentanone	10.341	43	2589	0.465	ug/l	98
59) 2-Hexanone	11.089	43	4365	1.128	ug/l	95
74) N-amyl acetate	12.396	43	2528	0.371	ug/l	# 89
76) 1,2,3-Trichloropropane	12.733	75	171685	28.111	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	171685	92.097	ug/l	# 6
82) 4-Chlorotoluene	13.106	91	3466	0.206	ug/l	92
87) 1,3-Dichlorobenzene	13.618	146	3103	0.253	ug/l	92
88) 1,4-Dichlorobenzene	13.618	146	3103	0.249	ug/l	93
89) n-Butylbenzene	13.946	91	5910	0.388	ug/l	88
91) 1,2-Dichlorobenzene	13.991	146	2921	0.250	ug/l	84
93) 1,2,4-Trichlorobenzene	15.265	180	4849	3.434	ug/l	89
95) Naphthalene	15.509	128	26818	5.079	ug/l	# 94
96) 1,2,3-Trichlorobenzene	15.705	180	6212	3.838	ug/l	95

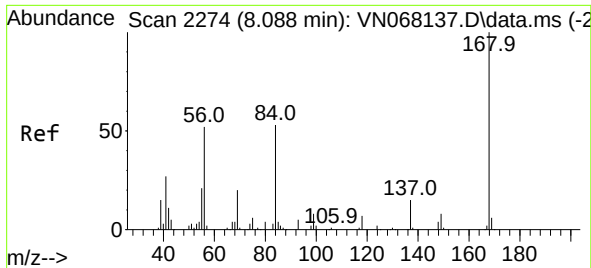
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

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Quant Title : SW846 8260
QLast Update : Tue Aug 17 13:09:49 2021
Response via : Initial Calibration

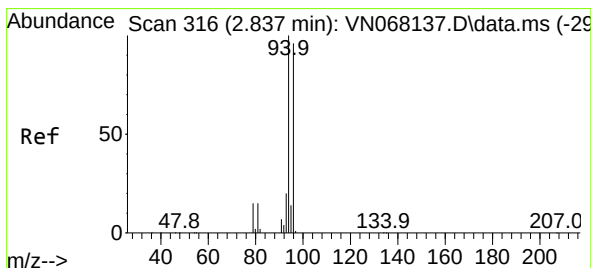
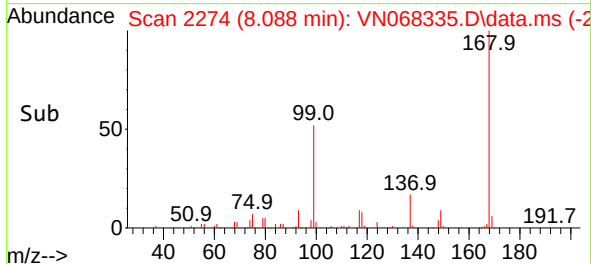
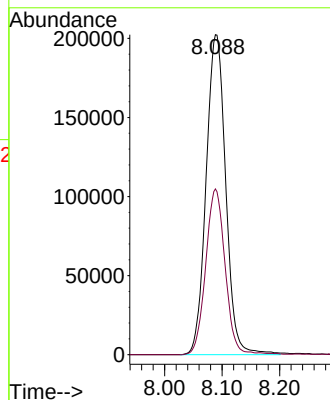
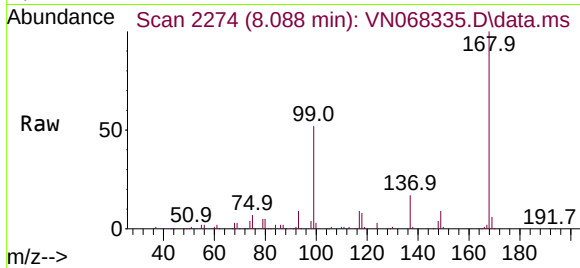




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

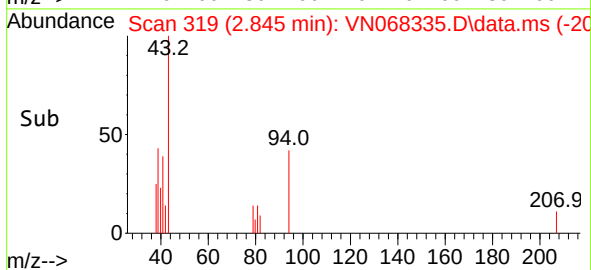
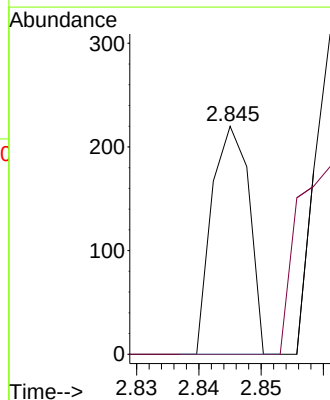
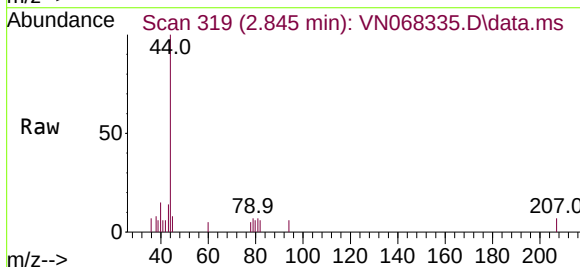
Instrument :
MSVOA_N
ClientSampled :

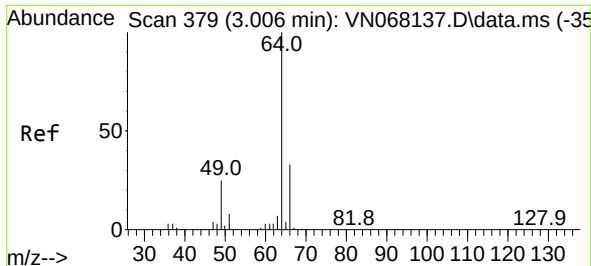
Tgt Ion:168 Resp: 480377
Ion Ratio Lower Upper
168 100
99 51.8 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.845 min Scan# 319
Delta R.T. 0.008 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

Tgt Ion: 94 Resp: 91
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

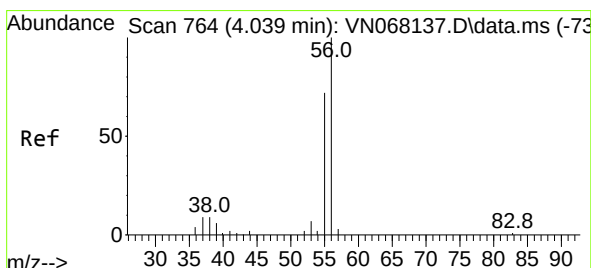
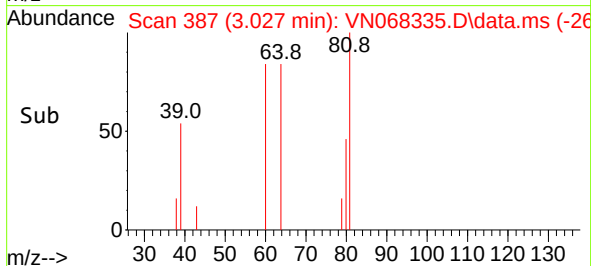
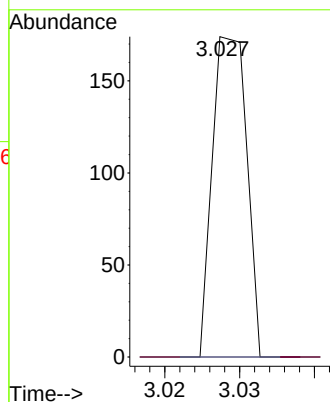
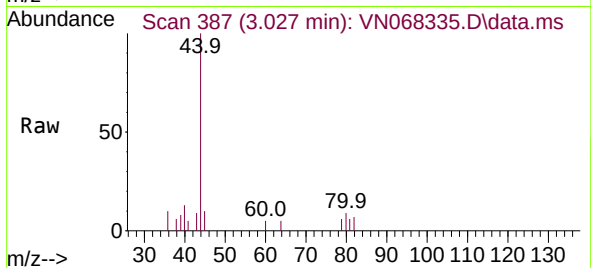




#6
Chloroethane
Concen: Below Cal
RT: 3.027 min Scan# 387
Delta R.T. 0.021 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

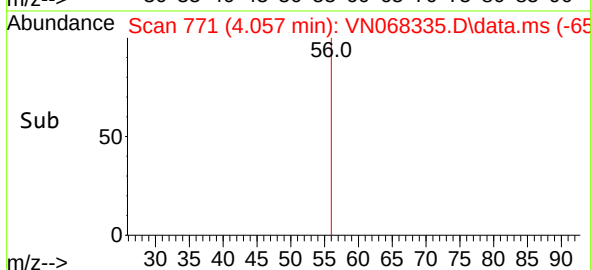
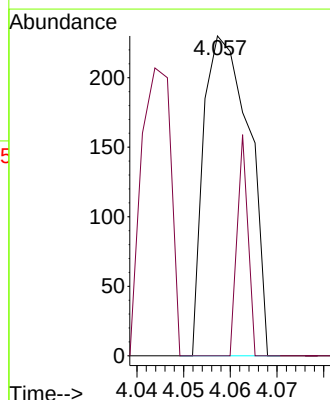
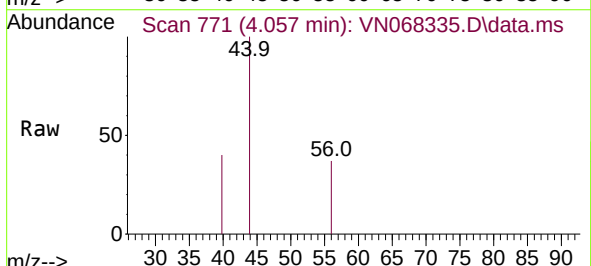
Instrument :
MSVOA_N
ClientSampled :

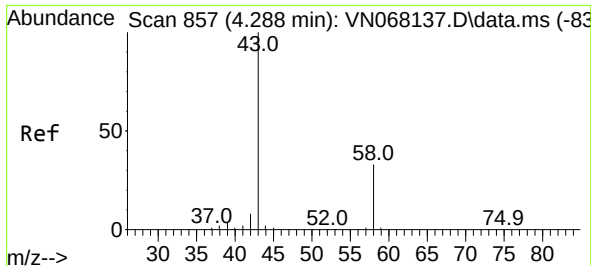
Tgt Ion: 64 Resp: 55
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.057 min Scan# 771
Delta R.T. 0.018 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

Tgt Ion: 56 Resp: 155
Ion Ratio Lower Upper
56 100
55 16.8 57.4 86.0#

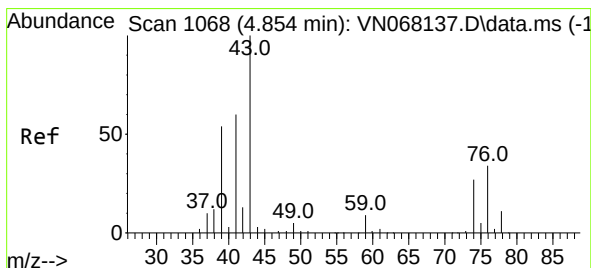
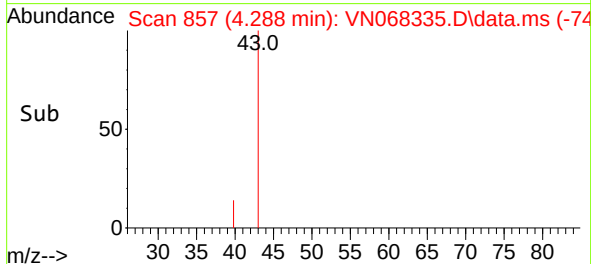
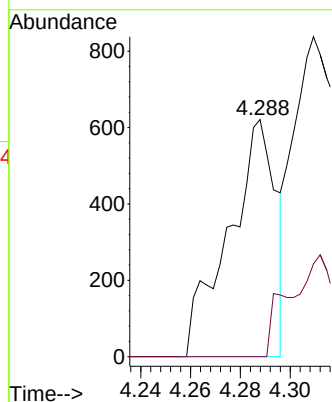
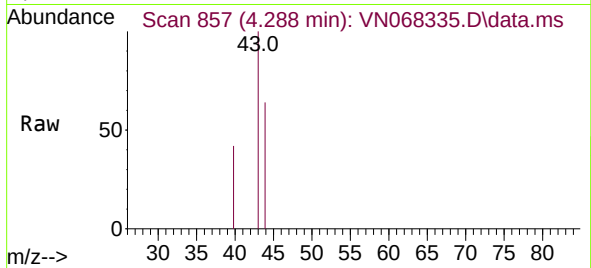




#16
Acetone
Concen: 0.544 ug/l
RT: 4.288 min Scan# 857
Delta R.T. -0.000 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

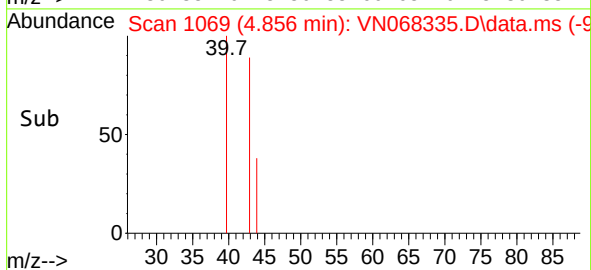
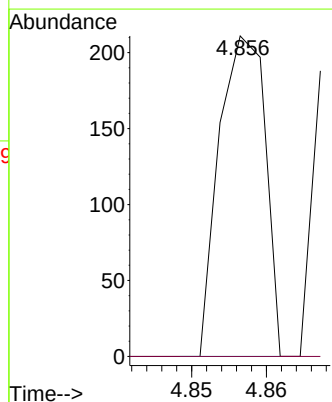
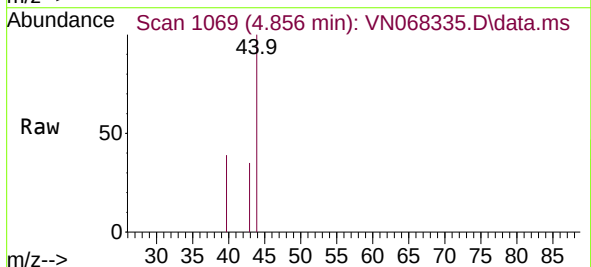
Instrument :
MSVOA_N
ClientSampled :

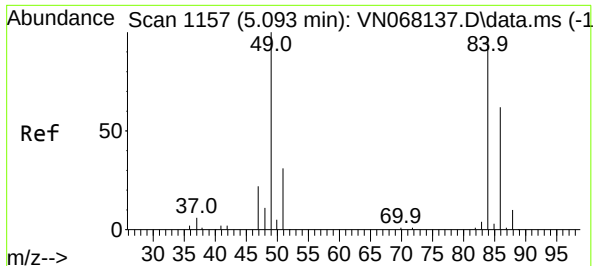
Tgt Ion: 43 Resp: 814
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.856 min Scan# 1069
Delta R.T. 0.002 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

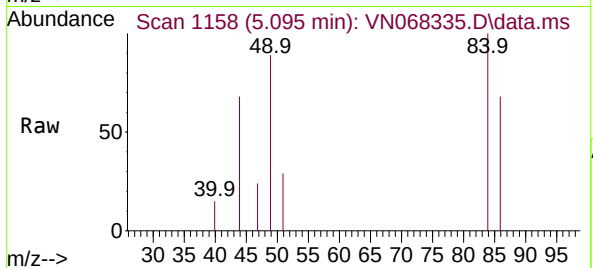
Tgt Ion: 43 Resp: 90
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



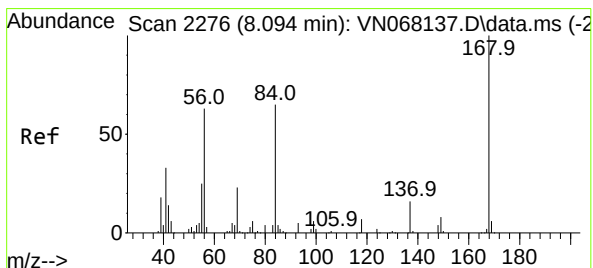
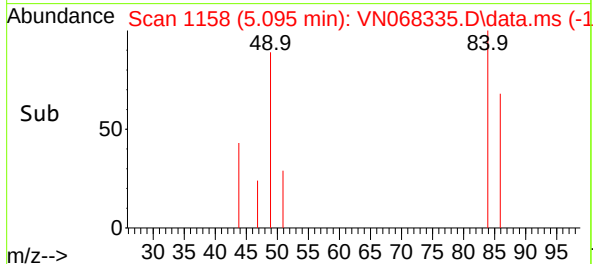
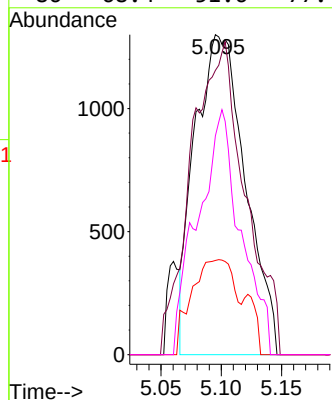


#20
Methylene Chloride
Concen: Below Cal
RT: 5.095 min Scan# 1158
Delta R.T. 0.002 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

Instrument :
MSVOA_N
ClientSampled :

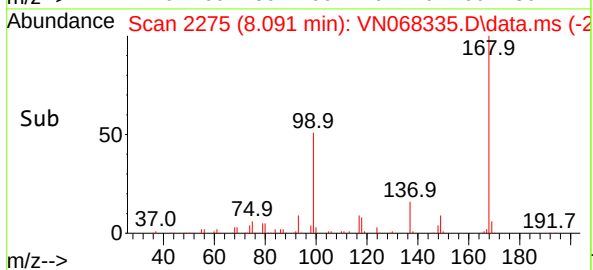
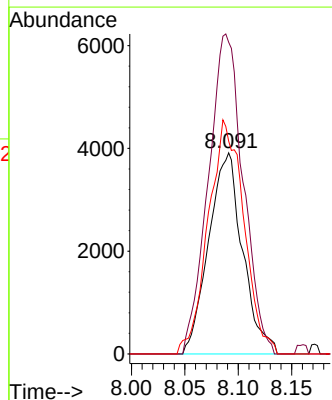
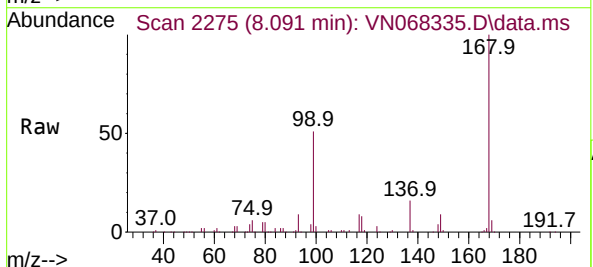


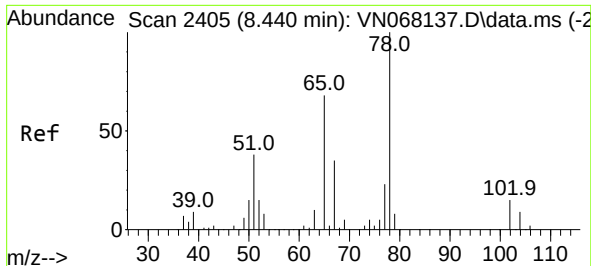
Tgt Ion:	84	Resp:	3789
Ion	Ratio	Lower	Upper
84	100		
49	88.8	110.9	166.3#
51	29.5	32.6	49.0#
86	68.4	51.6	77.4



#31
Cyclohexane
Concen: 1.280 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.003 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

Tgt Ion:	56	Resp:	8647
Ion	Ratio	Lower	Upper
56	100		
69	155.0	27.3	40.9#
84	105.9	64.9	97.3#

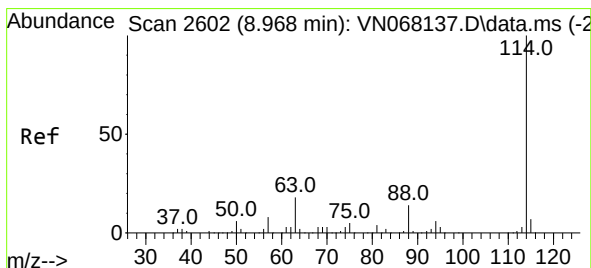
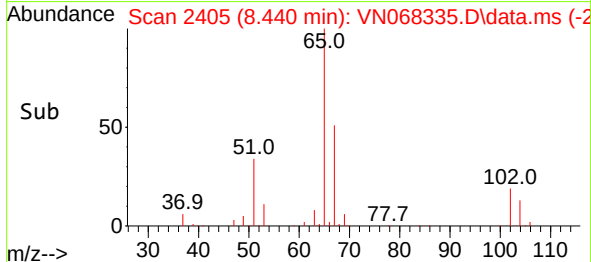
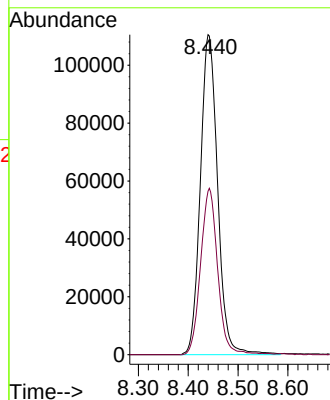
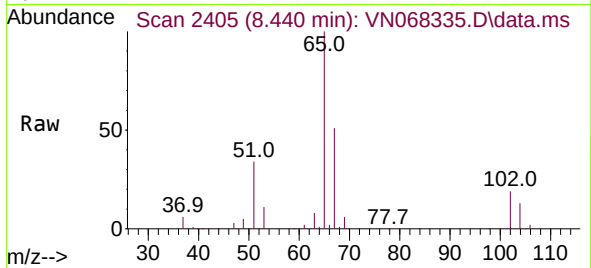




#33
 1,2-Dichloroethane-d4
 Concen: 51.895 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068335.D
 Acq: 27 Aug 2021 10:56

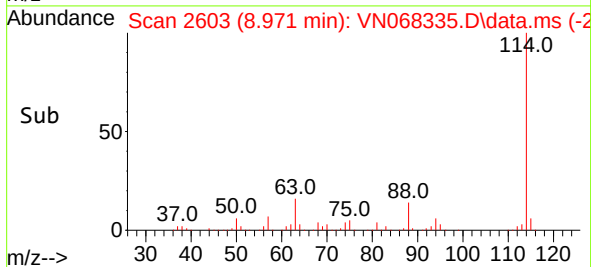
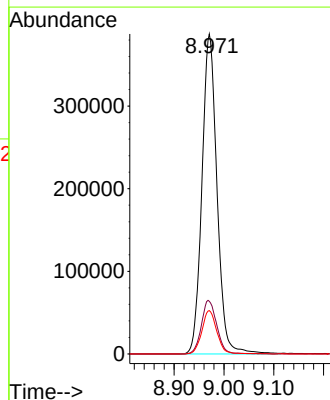
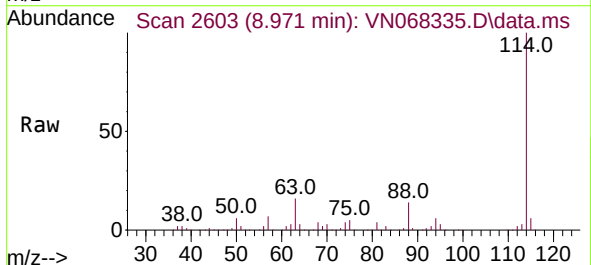
Instrument :
 MSVOA_N
 ClientSampled :

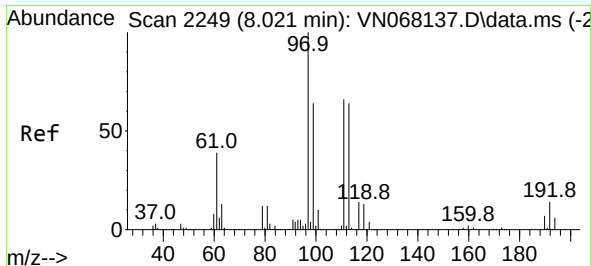
Tgt Ion: 65 Resp: 266177
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068335.D
 Acq: 27 Aug 2021 10:56

Tgt Ion: 114 Resp: 813309
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 49.0
 88 13.6 0.0 36.6

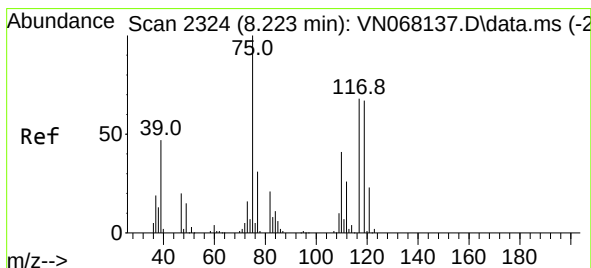
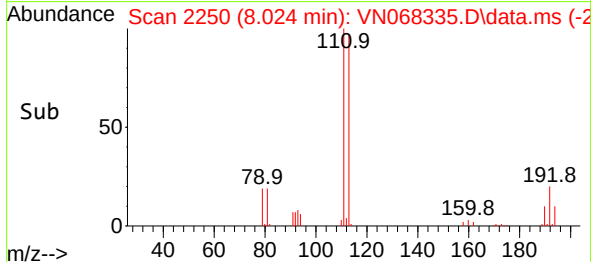
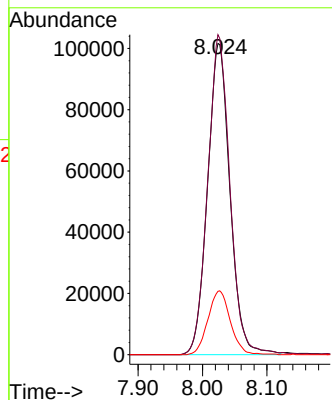
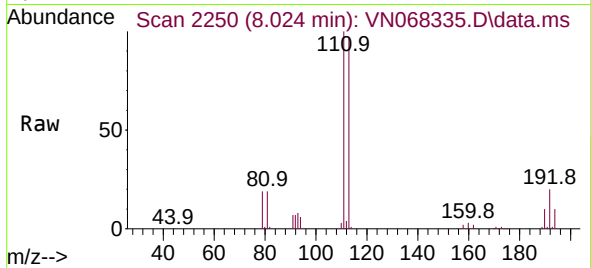




#35
Dibromofluoromethane
Concen: 48.153 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

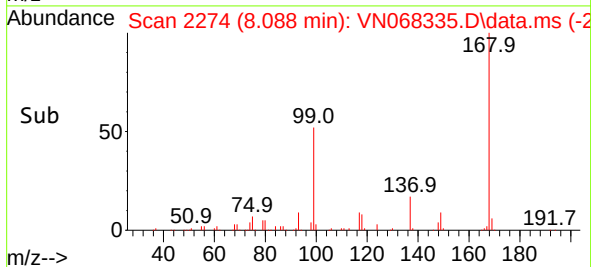
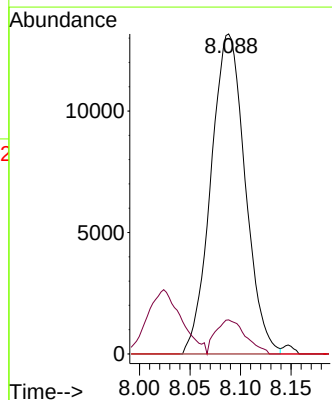
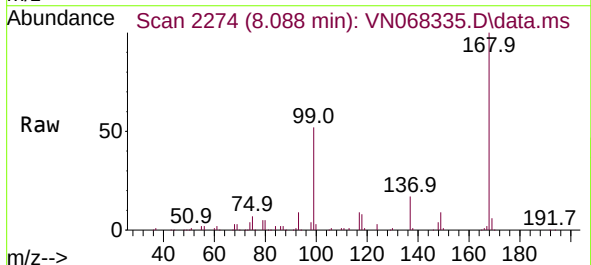
Instrument :
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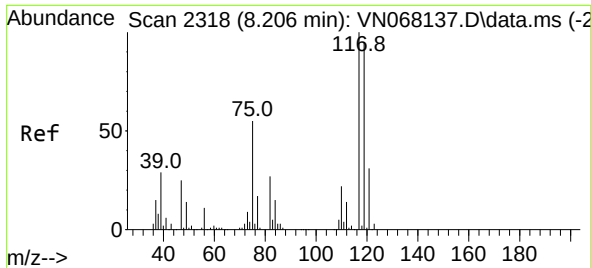
Tgt Ion:113 Resp: 245876
Ion Ratio Lower Upper
113 100
111 101.8 83.8 125.8
192 20.5 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.674 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

Tgt Ion: 75 Resp: 31075
Ion Ratio Lower Upper
75 100
110 9.4 15.7 47.0#
77 0.0 24.6 37.0#

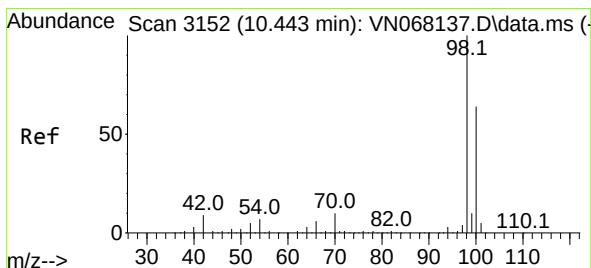
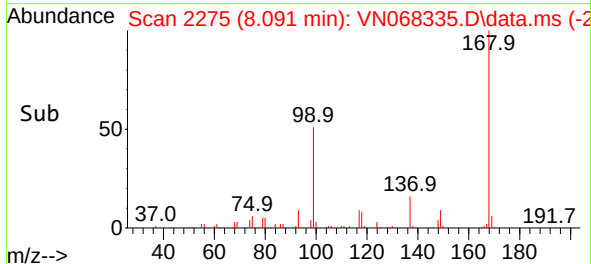
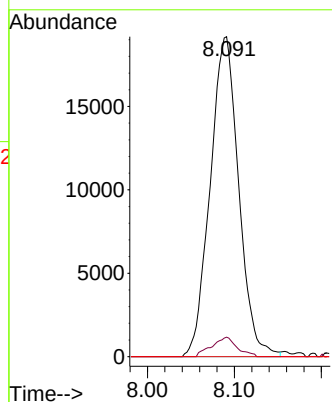
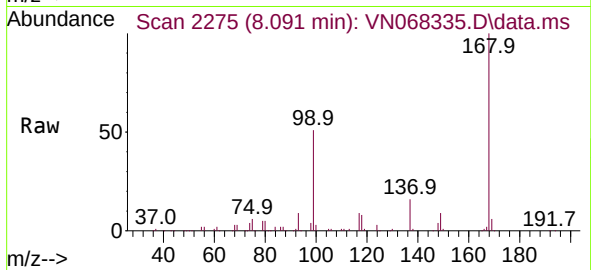




#38
Carbon Tetrachloride
Concen: 5.707 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.115 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

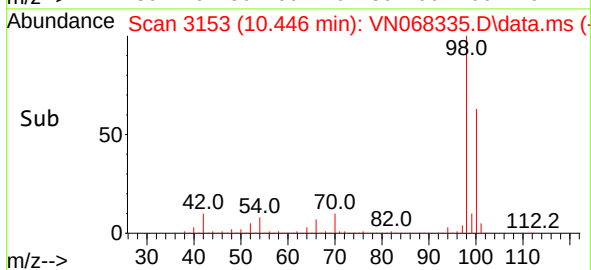
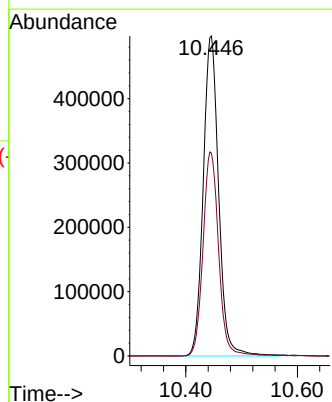
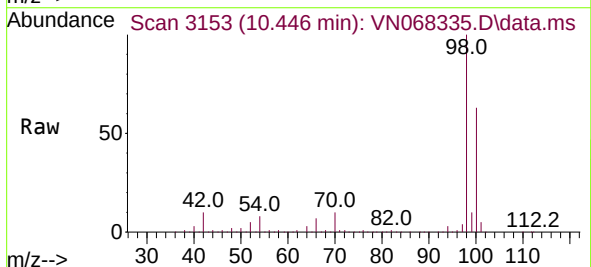
Instrument :
MSVOA_N
ClientSampled :

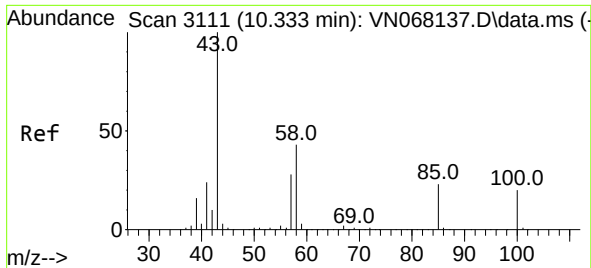
Tgt Ion:117 Resp: 43765
Ion Ratio Lower Upper
117 100
119 6.1 75.4 113.2#
121 0.0 23.5 35.3#



#50
Toluene-d8
Concen: 49.092 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

Tgt Ion: 98 Resp: 955156
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5

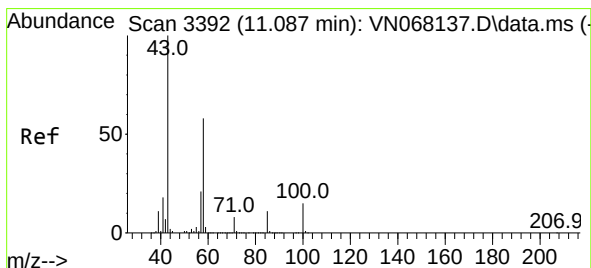
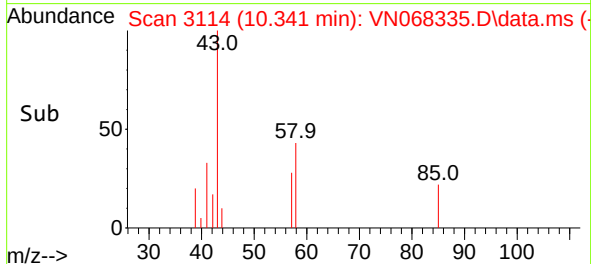
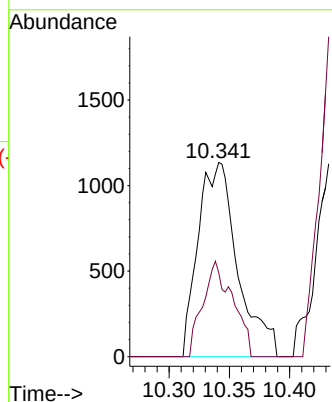
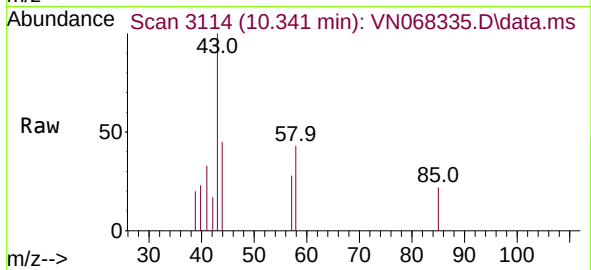




#51
4-Methyl-2-Pentanone
Concen: 0.465 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.008 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

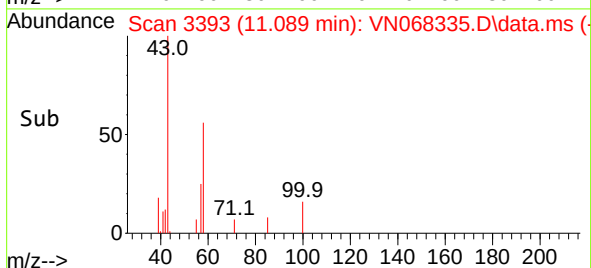
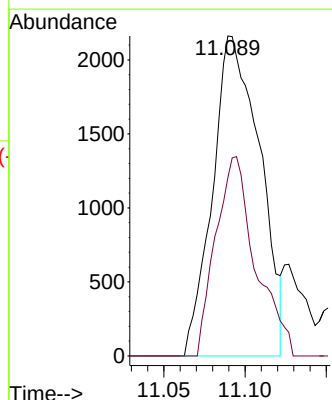
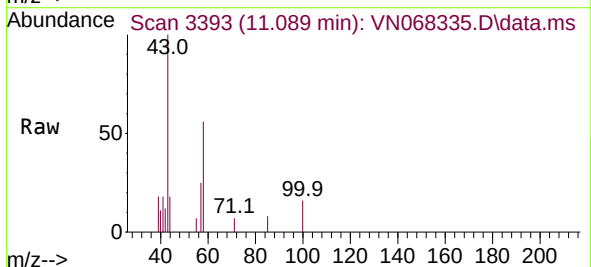
Instrument :
MSVOA_N
ClientSampled :

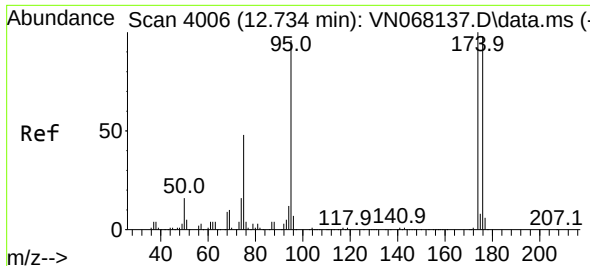
Tgt Ion: 43 Resp: 2589
Ion Ratio Lower Upper
43 100
58 37.2 28.6 43.0



#59
2-Hexanone
Concen: 1.128 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

Tgt Ion: 43 Resp: 4365
Ion Ratio Lower Upper
43 100
58 52.6 24.7 74.1

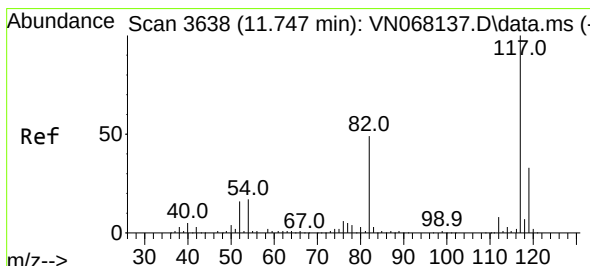
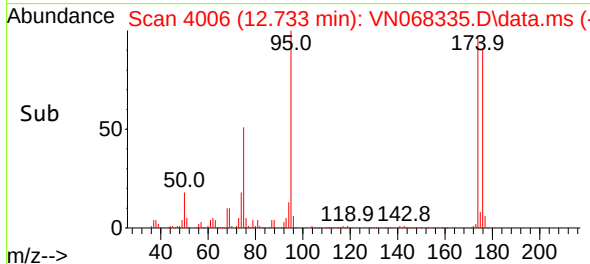
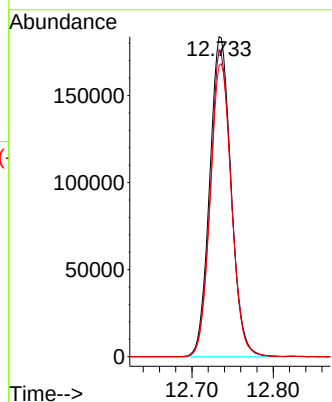
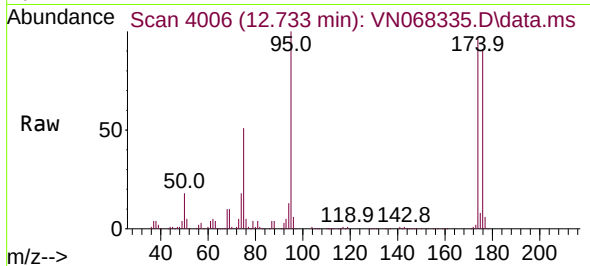




#62
4-Bromofluorobenzene
Concen: 51.661 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

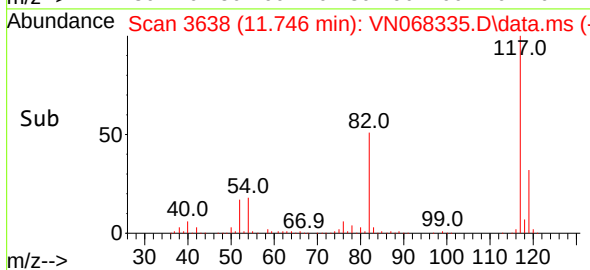
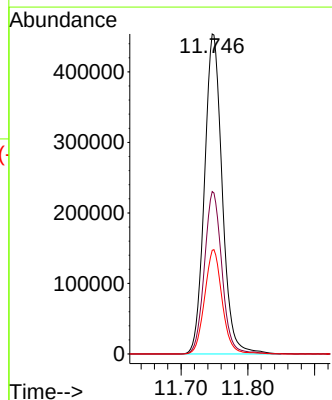
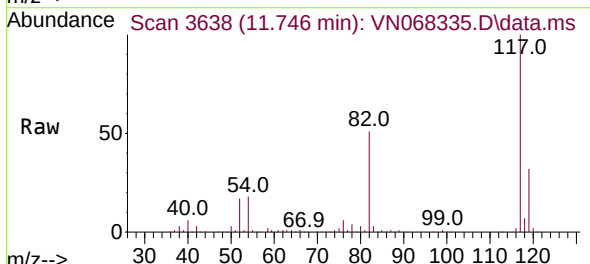
Instrument :
MSVOA_N
ClientSampleId :

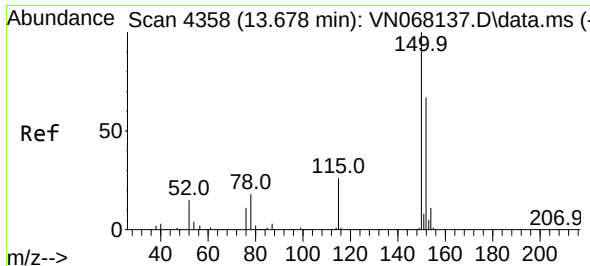
Tgt Ion: 95 Resp: 334605
Ion Ratio Lower Upper
95 100
174 94.6 0.0 122.0
176 91.1 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

Tgt Ion: 117 Resp: 837110
Ion Ratio Lower Upper
117 100
82 50.8 53.1 79.7#
119 32.4 25.5 38.3

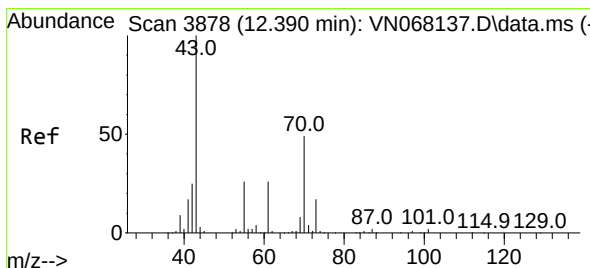
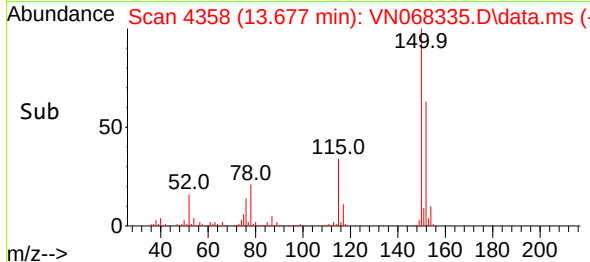
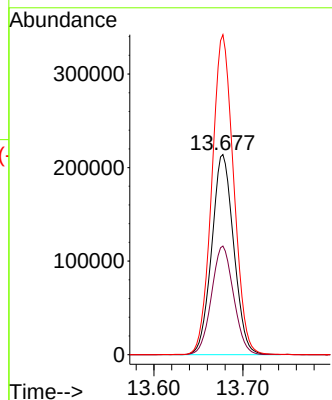
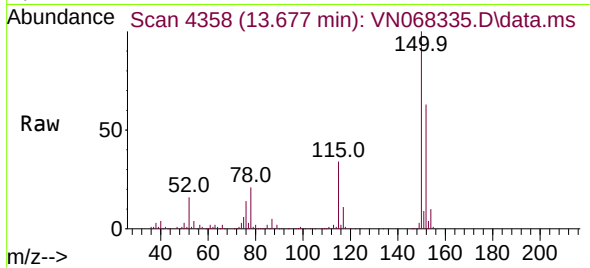




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.001 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

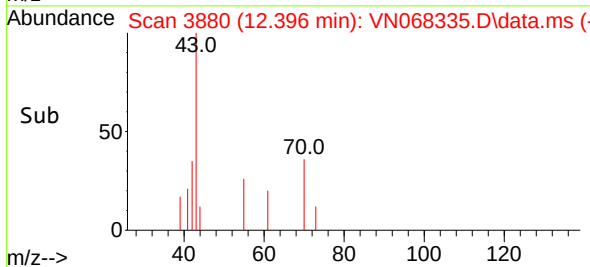
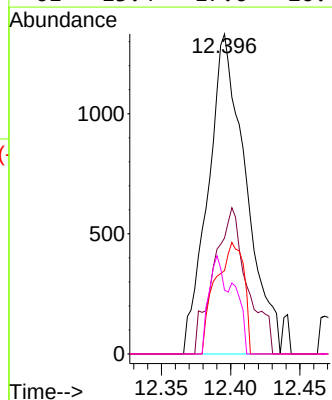
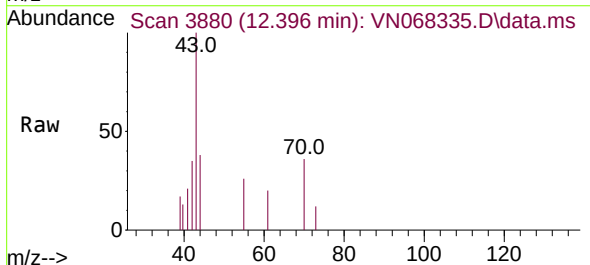
Instrument :
MSVOA_N
ClientSampleId :

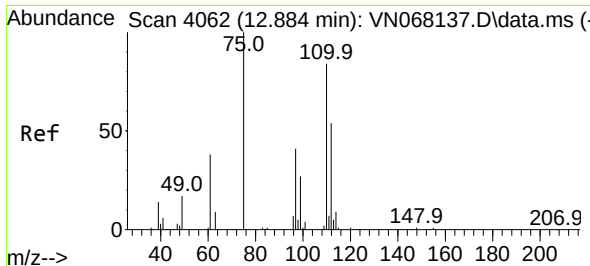
Tgt Ion:152 Resp: 367449
Ion Ratio Lower Upper
152 100
115 54.2 36.1 108.5
150 157.9 0.0 351.8



#74
N-ethyl acetate
Concen: 0.371 ug/l
RT: 12.396 min Scan# 3880
Delta R.T. 0.005 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

Tgt Ion: 43 Resp: 2528
Ion Ratio Lower Upper
43 100
70 40.9 29.4 44.2
55 26.0 17.0 25.4#
61 13.4 17.6 26.4#

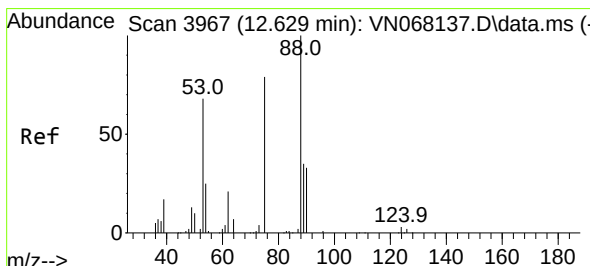
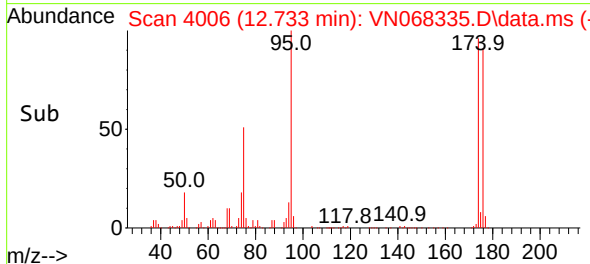
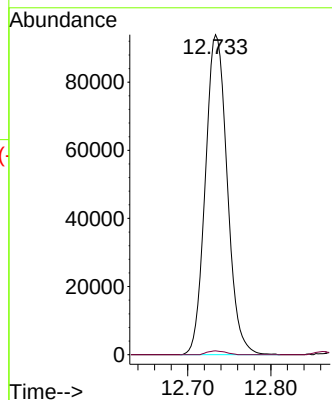
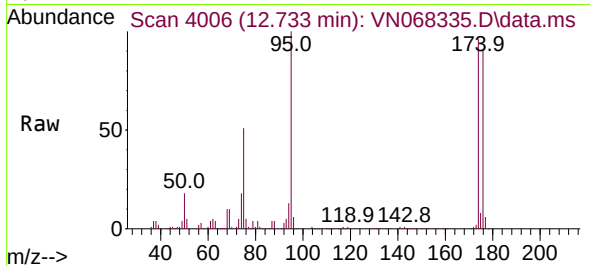




#76
1,2,3-Trichloropropane
Concen: 28.111 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

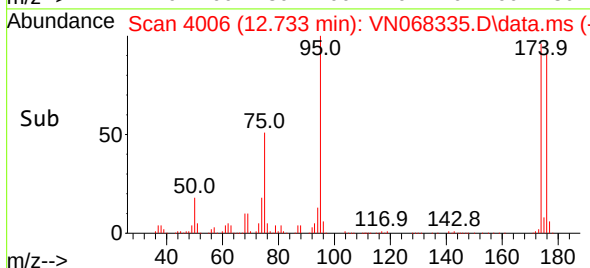
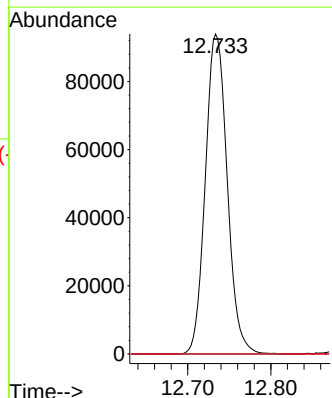
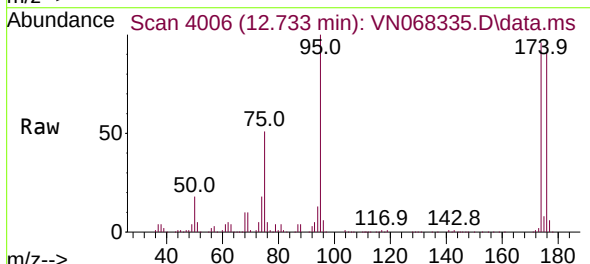
Instrument :
MSVOA_N
ClientSampled :

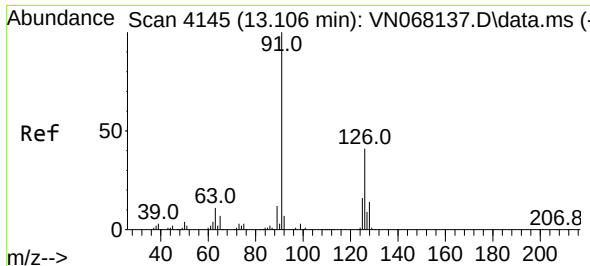
Tgt Ion: 75 Resp: 171685
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.097 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

Tgt Ion: 75 Resp: 171685
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

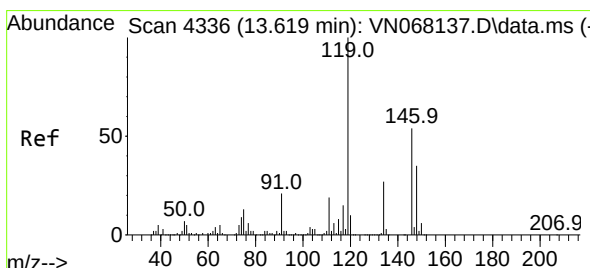
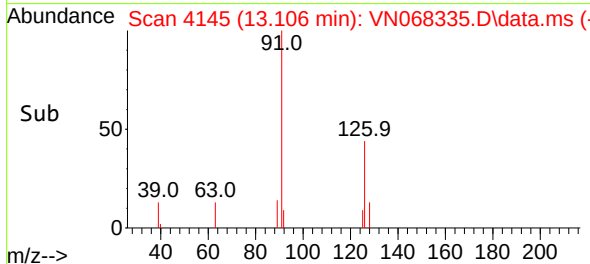
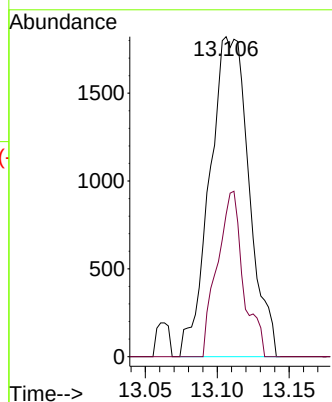
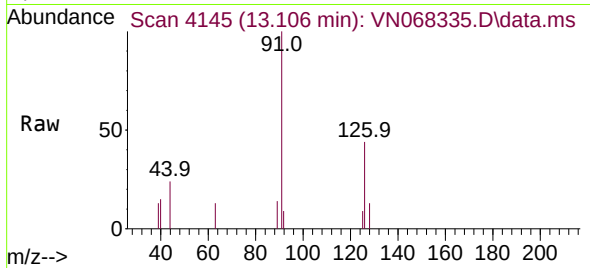




#82
4-Chlorotoluene
Concen: 0.206 ug/l
RT: 13.106 min Scan# 4145
Delta R.T. 0.000 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

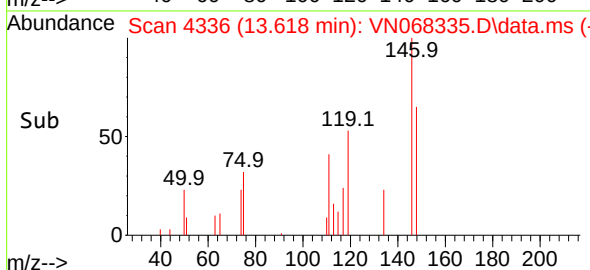
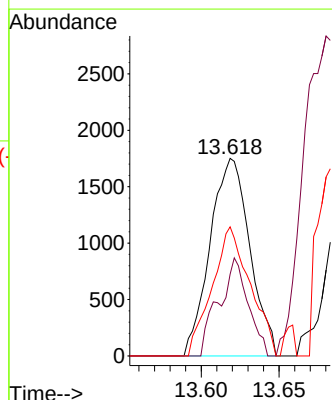
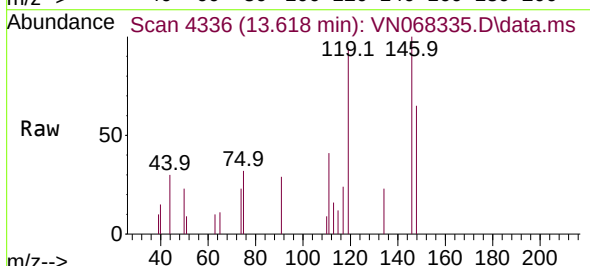
Instrument :
MSVOA_N
ClientSampled :

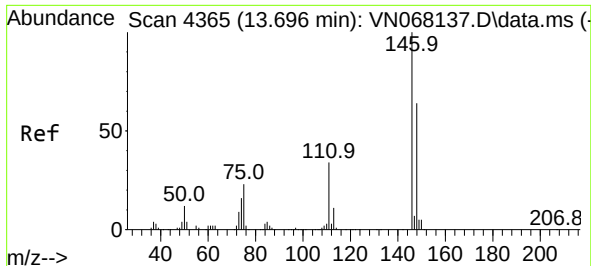
Tgt Ion: 91 Resp: 3466
Ion Ratio Lower Upper
91 100
126 34.2 14.8 44.4



#87
1,3-Dichlorobenzene
Concen: 0.253 ug/l
RT: 13.618 min Scan# 4336
Delta R.T. -0.001 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

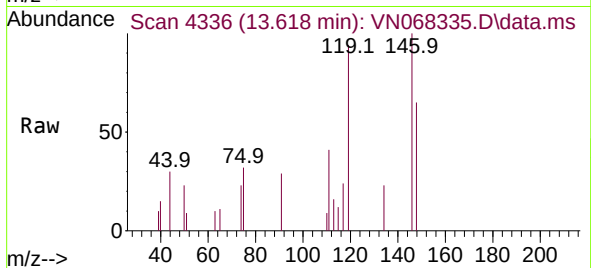
Tgt Ion: 146 Resp: 3103
Ion Ratio Lower Upper
146 100
111 36.7 24.3 72.8
148 62.6 32.0 96.0



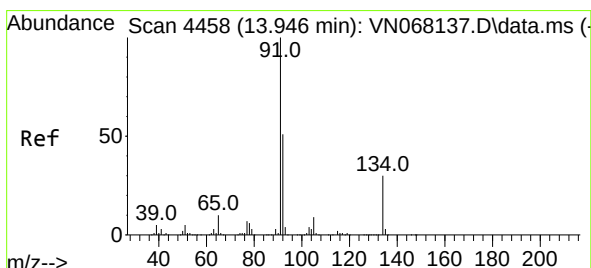
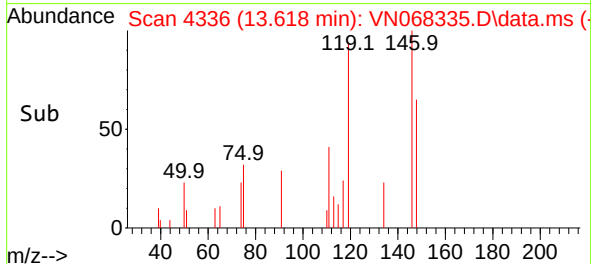
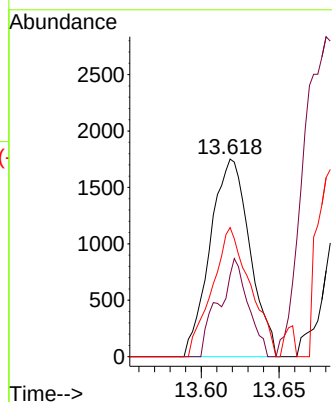


#88
1,4-Dichlorobenzene
Concen: 0.249 ug/l
RT: 13.618 min Scan# 4336
Delta R.T. -0.078 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

Instrument :
MSVOA_N
ClientSampled :

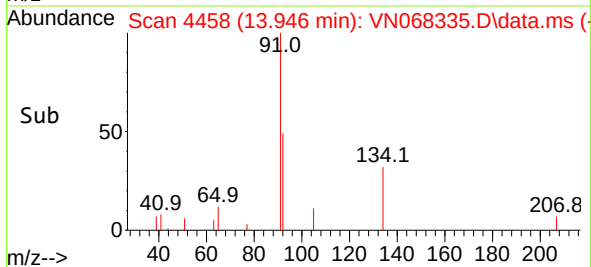
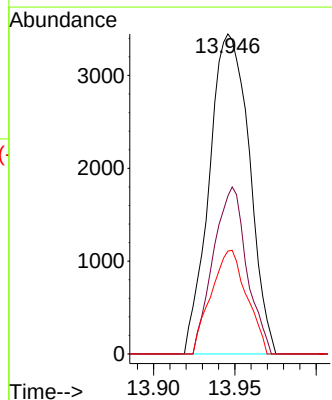
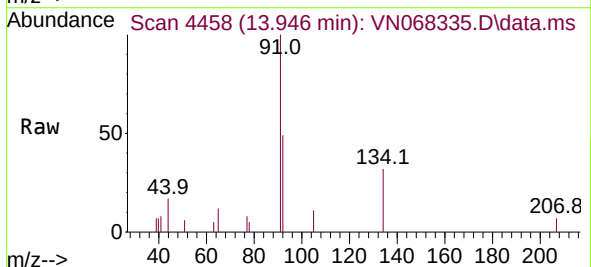


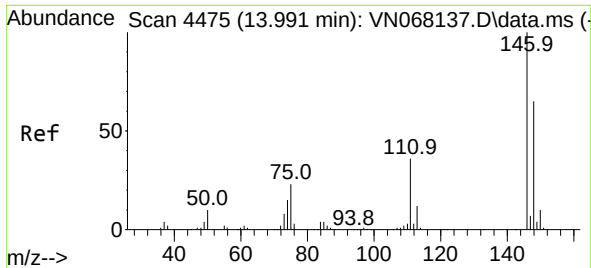
Tgt Ion:146 Resp: 3103
Ion Ratio Lower Upper
146 100
111 36.7 23.4 70.2
148 62.6 31.8 95.3



#89
n-Butylbenzene
Concen: 0.388 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

Tgt Ion: 91 Resp: 5910
Ion Ratio Lower Upper
91 100
92 43.7 25.7 77.1
134 28.8 11.2 33.6

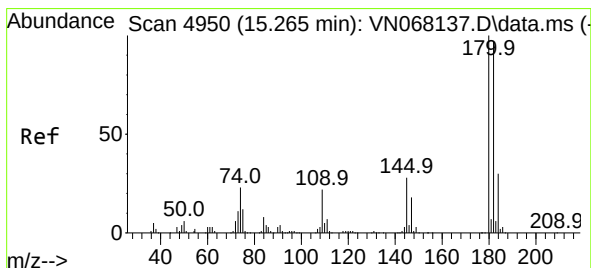
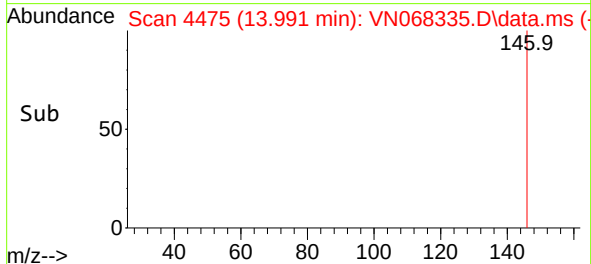
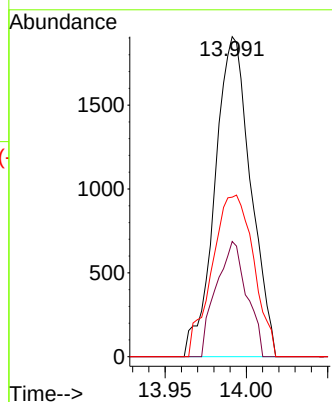
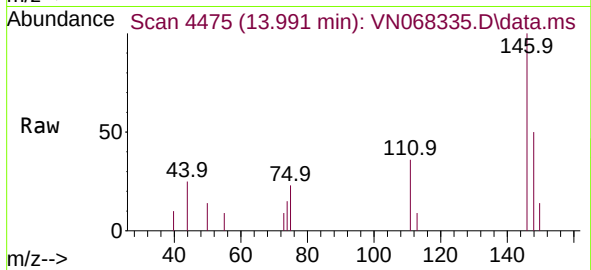




#91
1,2-Dichlorobenzene
Concen: 0.250 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.000 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

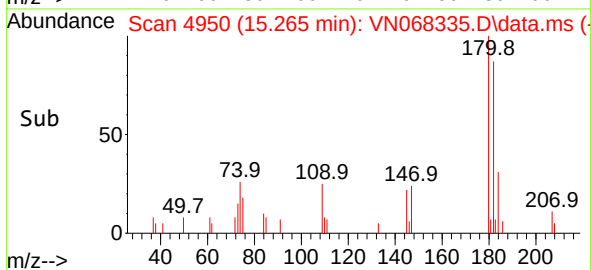
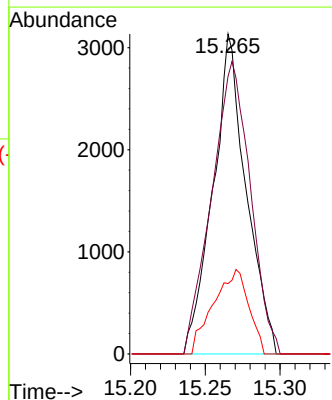
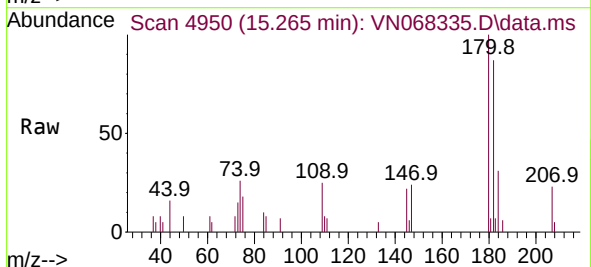
Instrument :
MSVOA_N
ClientSampled :

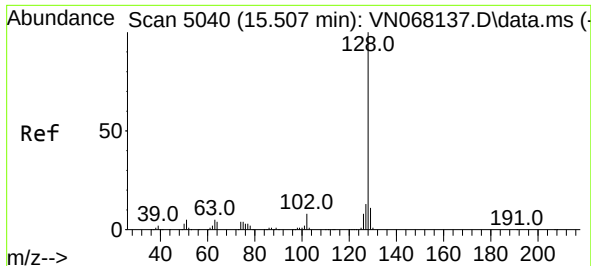
Tgt Ion:146 Resp: 2921
Ion Ratio Lower Upper
146 100
111 30.7 24.9 74.6
148 58.7 31.6 95.0



#93
1,2,4-Trichlorobenzene
Concen: 3.434 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

Tgt Ion:180 Resp: 4849
Ion Ratio Lower Upper
180 100
182 106.0 47.5 142.5
145 28.0 17.2 51.6

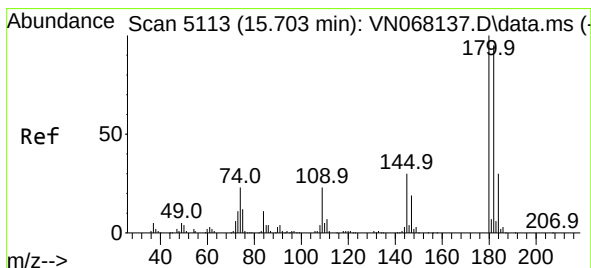
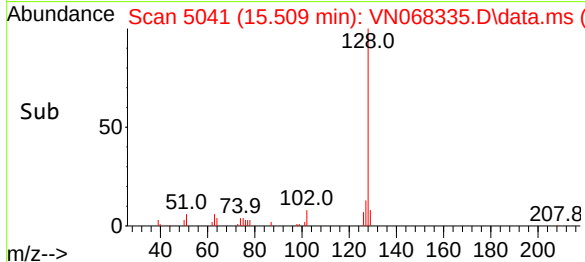
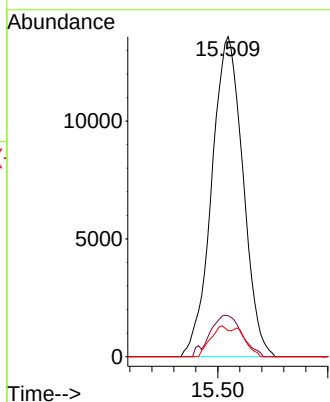
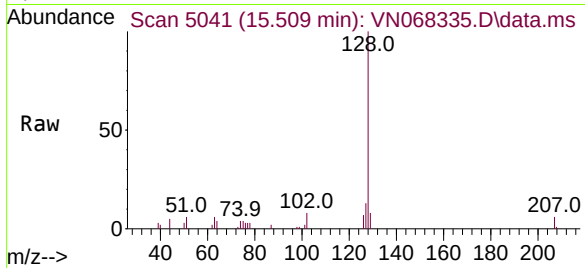




#95
Naphthalene
Concen: 5.079 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	128	Resp:	26818
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	6.0	8.6	12.8#



#96
1,2,3-Trichlorobenzene
Concen: 3.838 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.002 min
Lab File: VN068335.D
Acq: 27 Aug 2021 10:56

Tgt Ion:	180	Resp:	6212
Ion Ratio	Lower	Upper	
180	100		
182	90.9	47.8	143.3
145	33.7	18.2	54.6

