

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081721\
 Data File : VN068167.D
 Acq On : 18 Aug 2021 2:17
 Operator : JC/MD
 Sample : M3435-37
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 2021-08-13-EB-04

Quant Time: Aug 18 08:41:04 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)

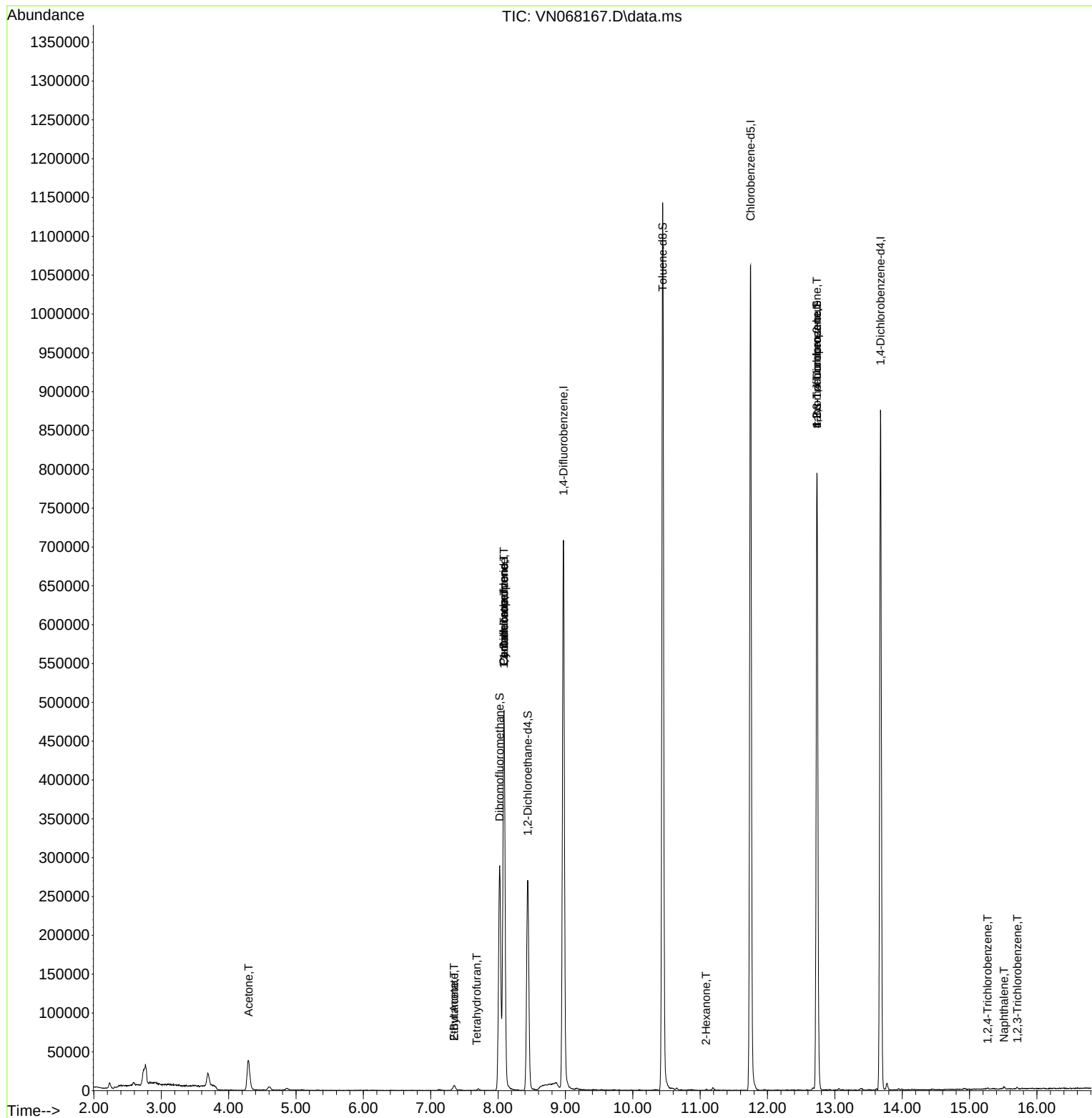
Internal Standards						
1) Pentafluorobenzene	8.088	168	409320	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	674202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	685036	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	265344	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	231768	53.031	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 106.060%		
35) Dibromofluoromethane	8.024	113	210377	49.701	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 99.400%		
50) Toluene-d8	10.443	98	827774	51.324	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 102.640%		
62) 4-Bromofluorobenzene	12.733	95	272018	50.664	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 101.320%		
Target Compounds						Qvalue
5) Bromomethane	2.848	94	740	Below Cal	#	78
6) Chloroethane	3.019	64	80	Below Cal	#	44
13) Acrolein	4.041	56	285	Below Cal	#	35
16) Acetone	4.296	43	72168	56.557	ug/l	91
18) Methyl Acetate	4.854	43	2177	Below Cal	#	83
20) Methylene Chloride	5.084	84	168	Below Cal	#	24
25) 2-Butanone	7.348	43	9307	4.680	ug/l	98
29) Tetrahydrofuran	7.683	42	264	0.208	ug/l	# 35
31) Cyclohexane	8.088	56	7184	1.248	ug/l	# 1
36) 1,1-Dichloropropene	8.086	75	26753	4.854	ug/l	# 54
37) Ethyl Acetate	7.348	43	9307	1.982	ug/l	# 69
38) Carbon Tetrachloride	8.088	117	38933	6.125	ug/l	# 17
59) 2-Hexanone	11.087	43	1041	0.325	ug/l	87
76) 1,2,3-Trichloropropane	12.733	75	139718	31.680	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	139718	103.789	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.268	180	728	2.841	ug/l	# 78
95) Naphthalene	15.509	128	3451	3.654	ug/l	# 85
96) 1,2,3-Trichlorobenzene	15.708	180	605	2.967	ug/l	86

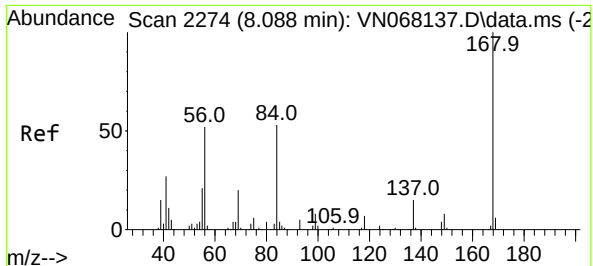
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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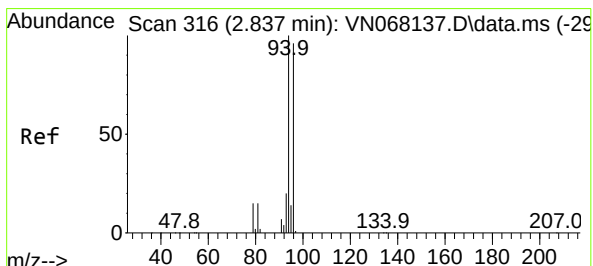
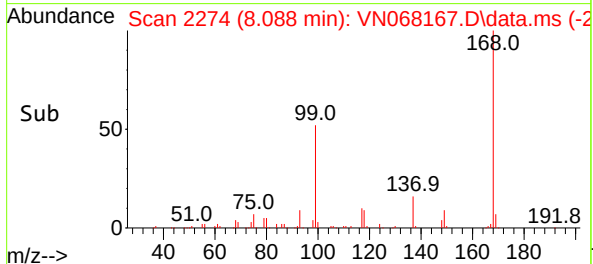
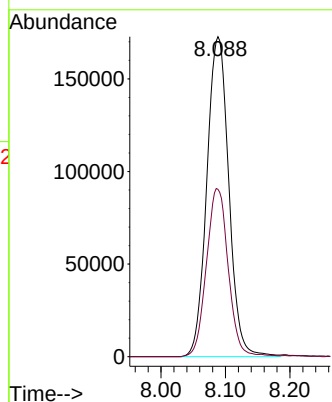
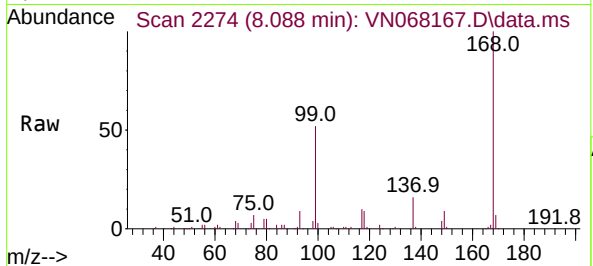




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068167.D
Acq: 18 Aug 2021 2:17

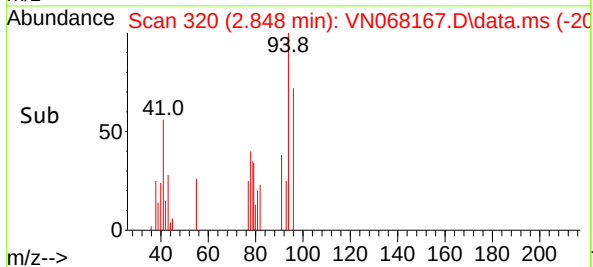
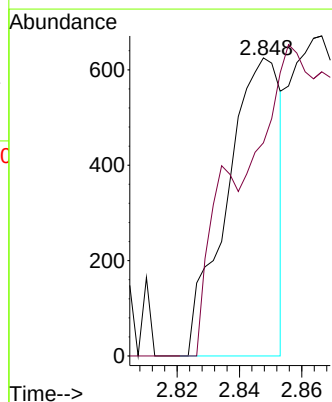
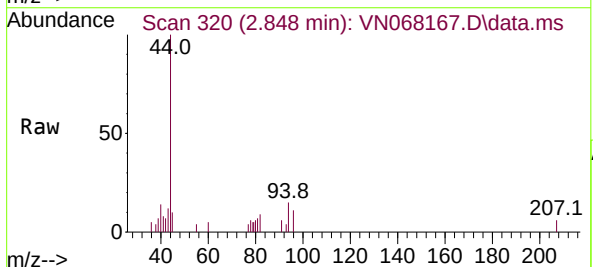
Instrument :
MSVOA_N
ClientSampleId :
2021-08-13-EB-04

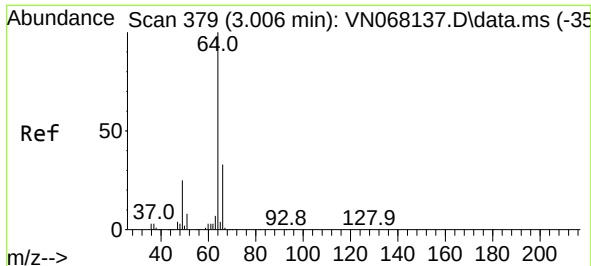
Tgt Ion:168 Resp: 409320
Ion Ratio Lower Upper
168 100
99 52.3 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.848 min Scan# 320
Delta R.T. 0.011 min
Lab File: VN068167.D
Acq: 18 Aug 2021 2:17

Tgt Ion: 94 Resp: 740
Ion Ratio Lower Upper
94 100
96 71.5 73.7 110.5#

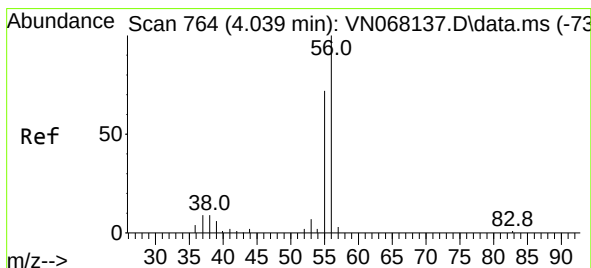
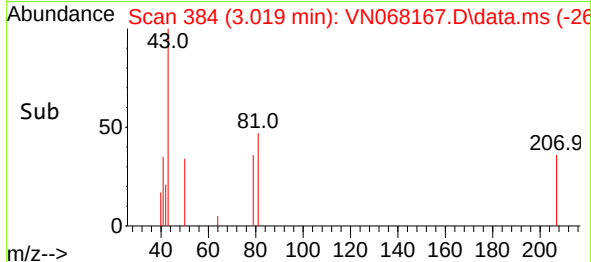
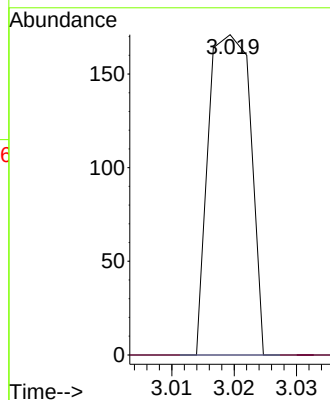
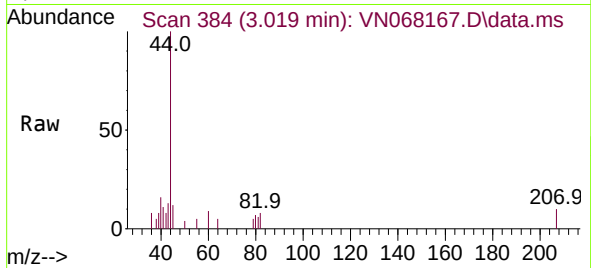




#6
Chloroethane
Concen: Below Cal
RT: 3.019 min Scan# 384
Delta R.T. 0.013 min
Lab File: VN068167.D
Acq: 18 Aug 2021 2:17

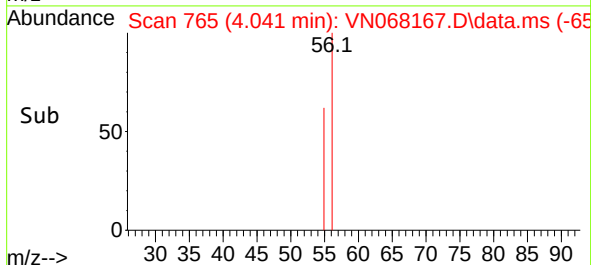
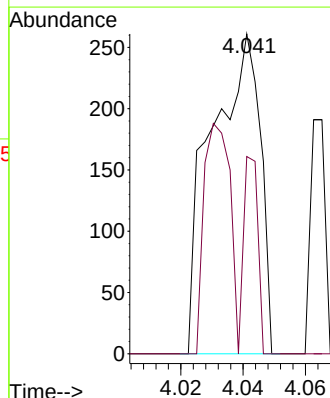
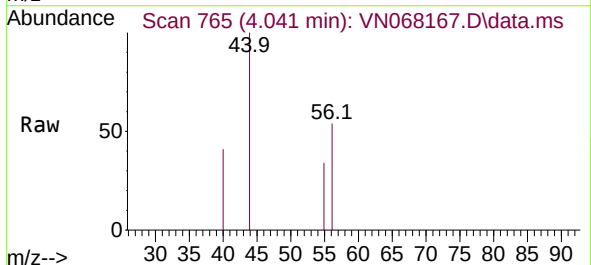
Instrument :
MSVOA_N
ClientSampleId :
2021-08-13-EB-04

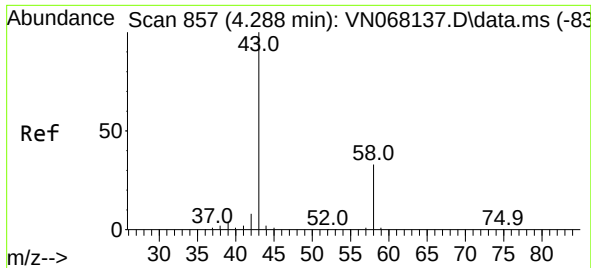
Tgt Ion: 64 Resp: 80
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN068167.D
Acq: 18 Aug 2021 2:17

Tgt Ion: 56 Resp: 285
Ion Ratio Lower Upper
56 100
55 17.9 57.4 86.0#

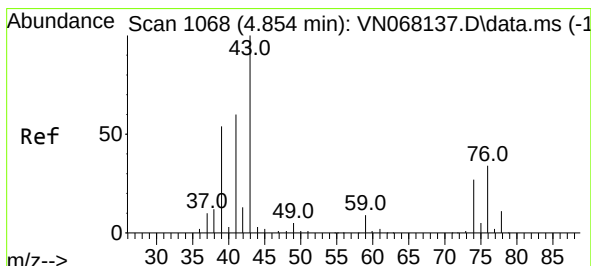
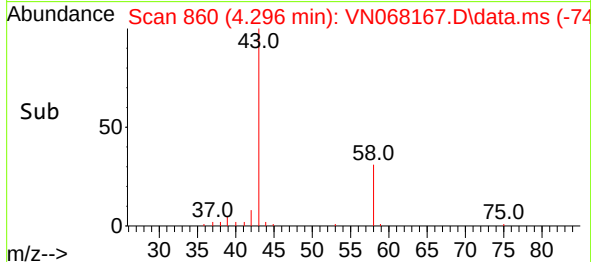
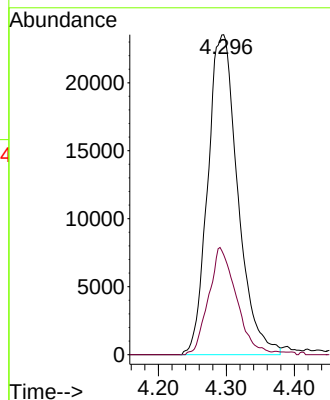
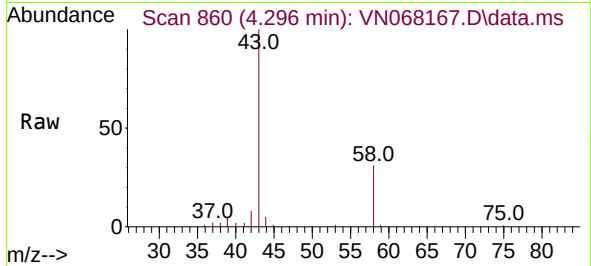




#16
Acetone
Concen: 56.557 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN068167.D
Acq: 18 Aug 2021 2:17

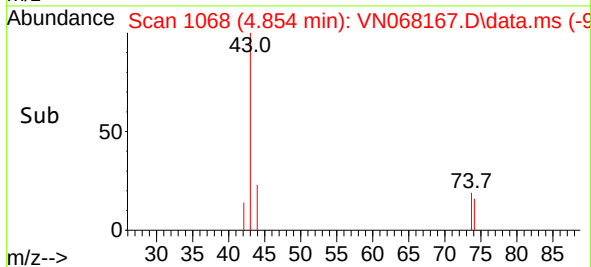
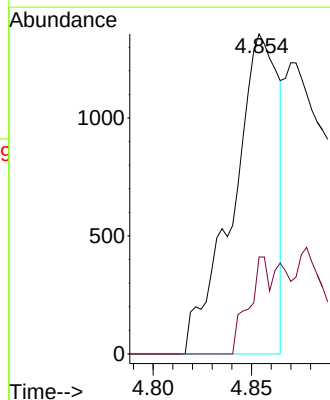
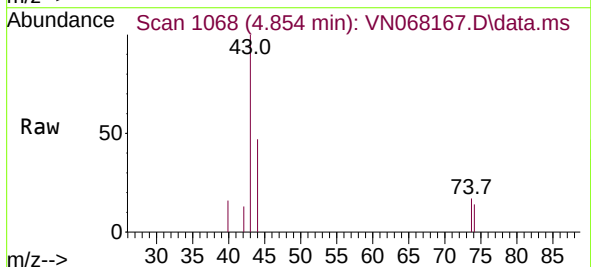
Instrument :
MSVOA_N
ClientSampleId :
2021-08-13-EB-04

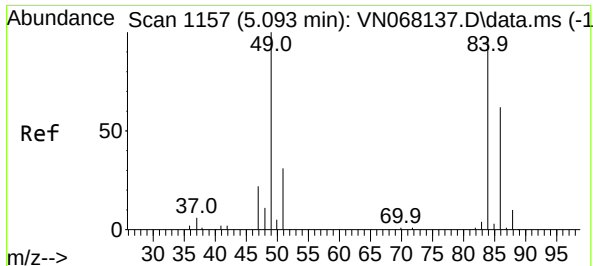
Tgt Ion: 43 Resp: 72168
Ion Ratio Lower Upper
43 100
58 31.2 21.2 31.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.854 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN068167.D
Acq: 18 Aug 2021 2:17

Tgt Ion: 43 Resp: 2177
Ion Ratio Lower Upper
43 100
74 13.6 17.4 26.0#

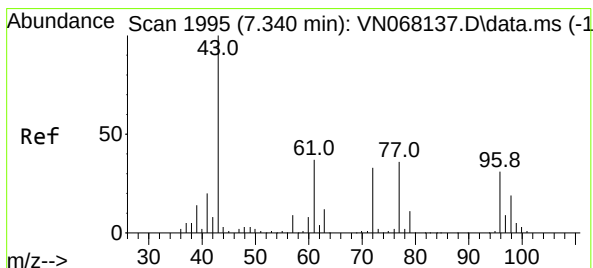
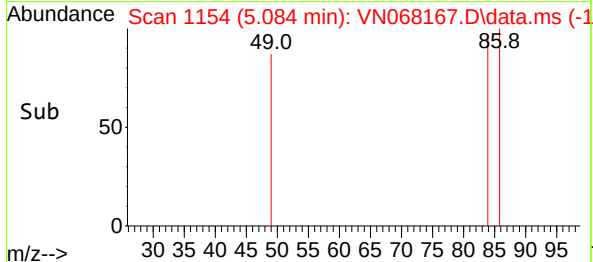
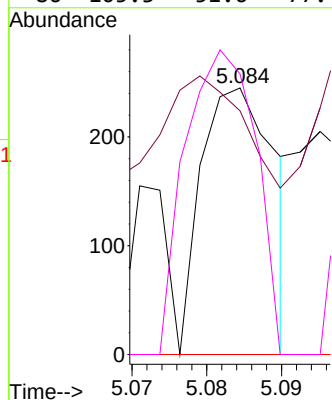
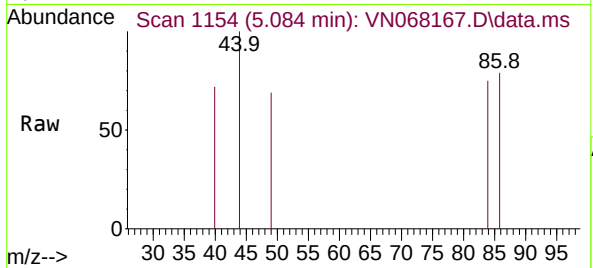




#20
Methylene Chloride
Concen: Below Cal
RT: 5.084 min Scan# 1154
Delta R.T. -0.009 min
Lab File: VN068167.D
Acq: 18 Aug 2021 2:17

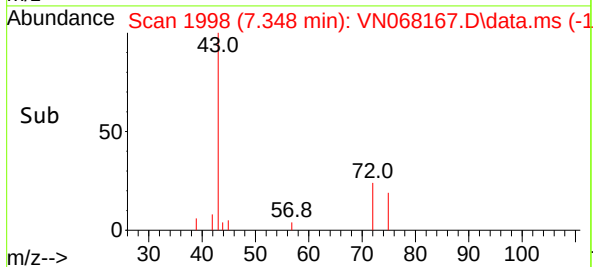
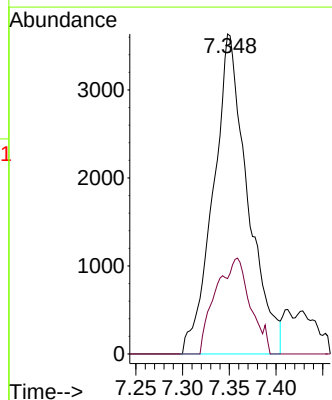
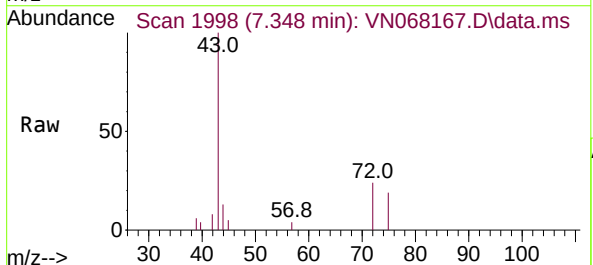
Instrument :
MSVOA_N
ClientSampleId :
2021-08-13-EB-04

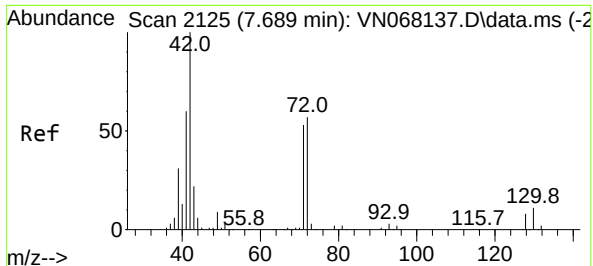
Tgt Ion:	84	Resp:	168
Ion	Ratio	Lower	Upper
84	100		
49	29.0	110.9	166.3#
51	0.0	32.6	49.0#
86	105.3	51.6	77.4#



#25
2-Butanone
Concen: 4.680 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.008 min
Lab File: VN068167.D
Acq: 18 Aug 2021 2:17

Tgt Ion:	43	Resp:	9307
Ion	Ratio	Lower	Upper
43	100		
72	23.6	19.7	29.5





#29

Tetrahydrofuran

Concen: 0.208 ug/l

RT: 7.683 min Scan# 2123

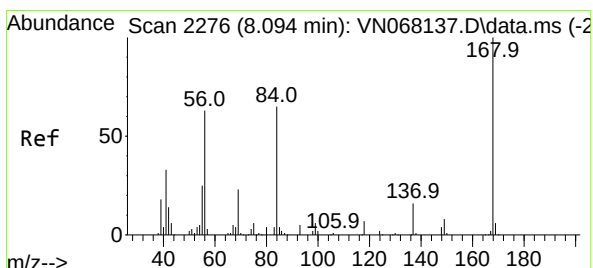
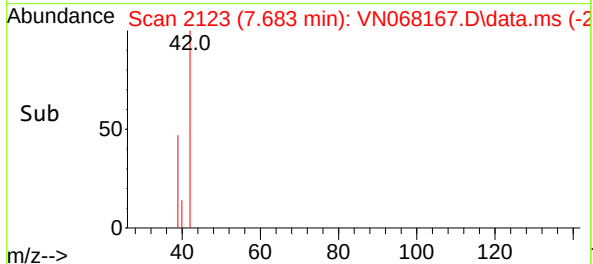
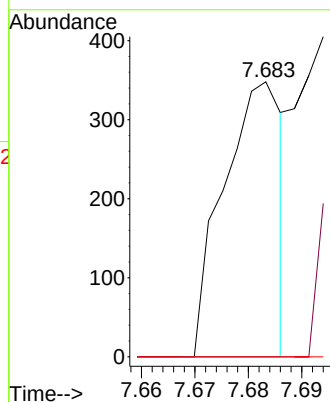
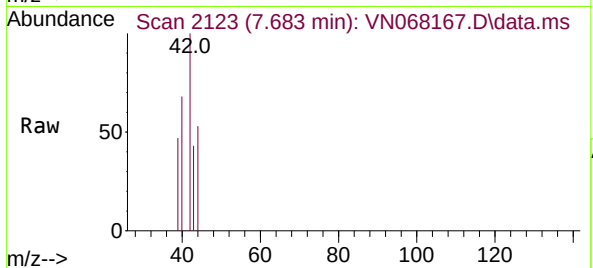
Delta R.T. -0.006 min

Lab File: VN068167.D

Acq: 18 Aug 2021 2:17

Tgt Ion:	42	Resp:	264
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.8	49.2#
71	0.0	31.2	46.8#

Instrument :
MSVOA_N
ClientSampleId :
2021-08-13-EB-04



#31

Cyclohexane

Concen: 1.248 ug/l

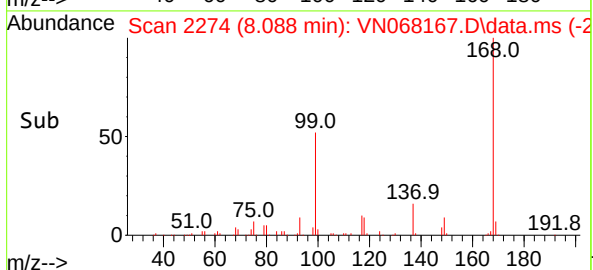
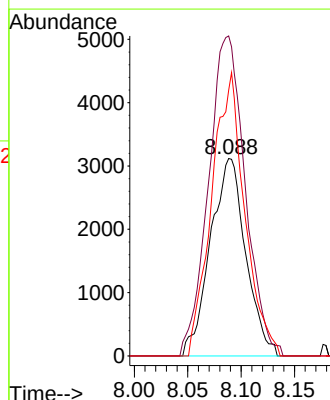
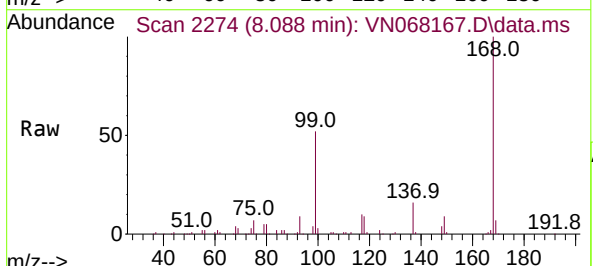
RT: 8.088 min Scan# 2274

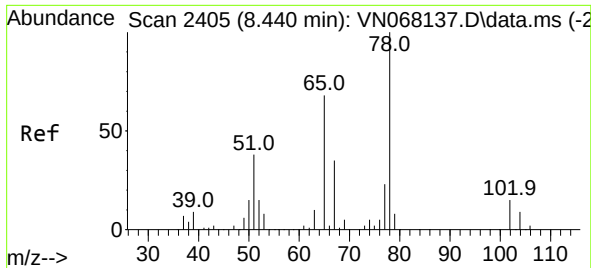
Delta R.T. -0.006 min

Lab File: VN068167.D

Acq: 18 Aug 2021 2:17

Tgt Ion:	56	Resp:	7184
Ion	Ratio	Lower	Upper
56	100		
69	162.1	27.3	40.9#
84	134.7	64.9	97.3#

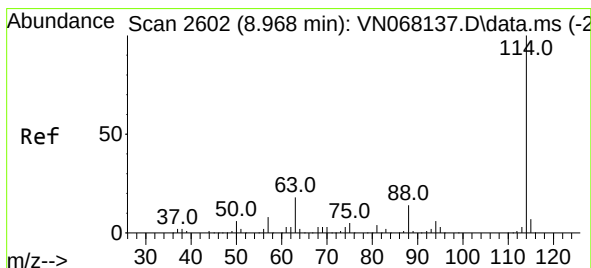
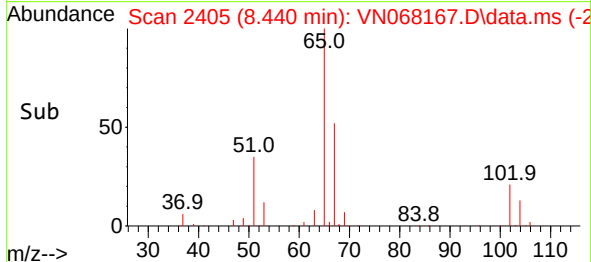
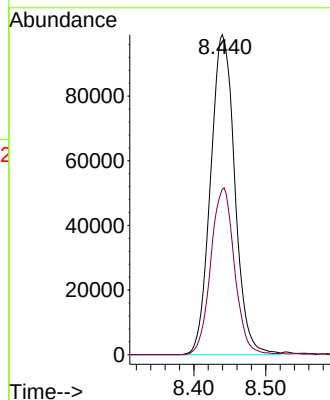
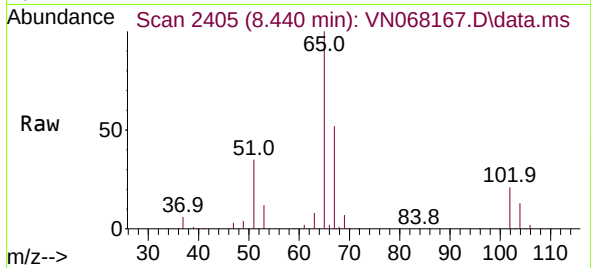




#33
 1,2-Dichloroethane-d4
 Concen: 53.031 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068167.D
 Acq: 18 Aug 2021 2:17

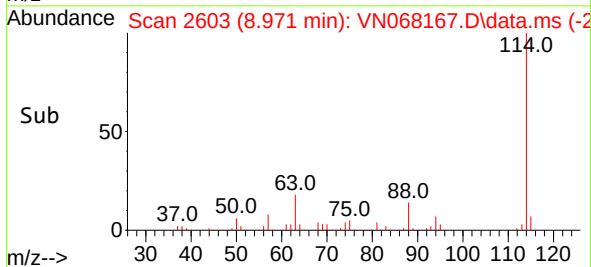
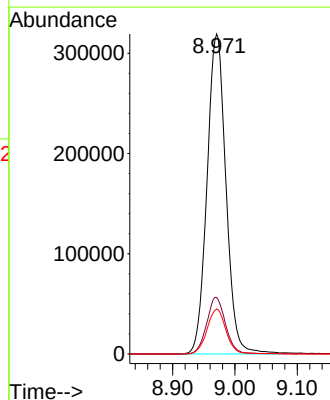
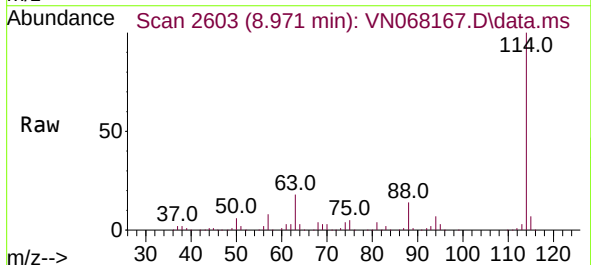
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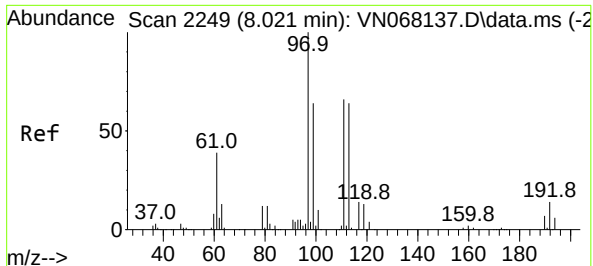
Tgt Ion: 65 Resp: 231768
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068167.D
 Acq: 18 Aug 2021 2:17

Tgt Ion: 114 Resp: 674202
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 49.0
 88 14.0 0.0 36.6

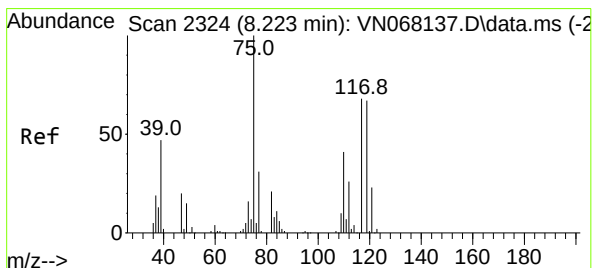
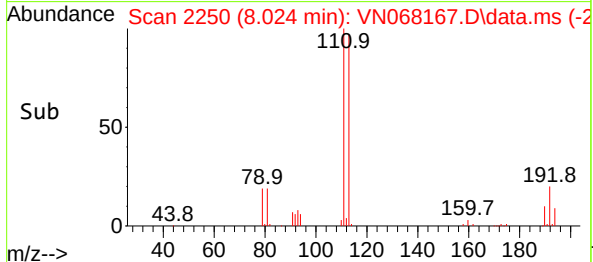
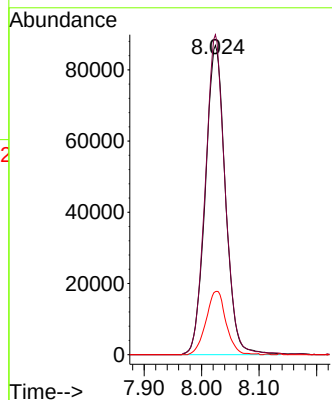
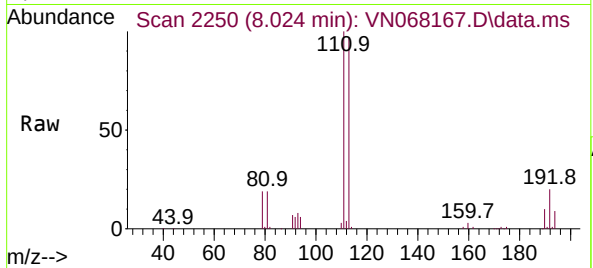




#35
Dibromofluoromethane
Concen: 49.701 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068167.D
Acq: 18 Aug 2021 2:17

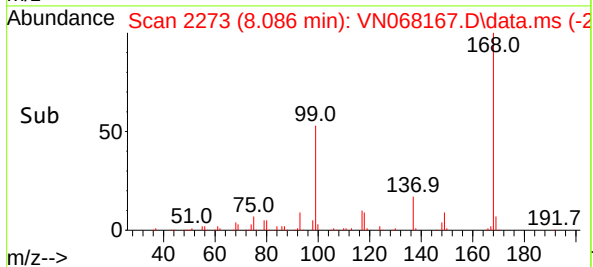
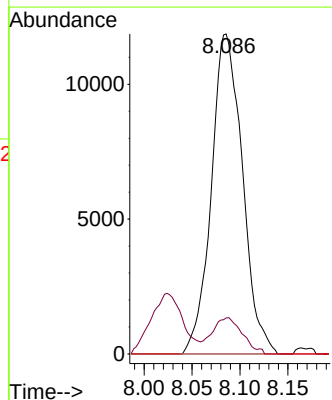
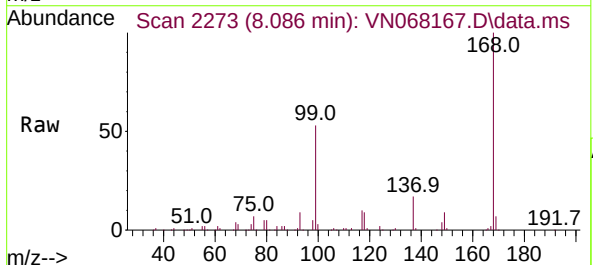
Instrument :
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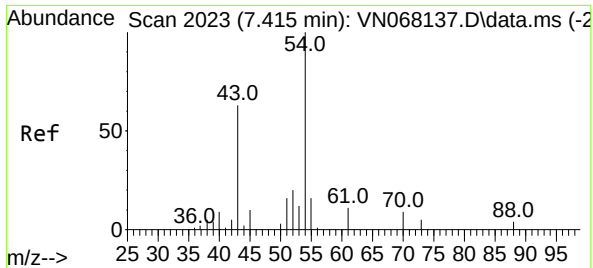
Tgt Ion:113 Resp: 210377
Ion Ratio Lower Upper
113 100
111 101.6 83.8 125.8
192 20.4 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.854 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068167.D
Acq: 18 Aug 2021 2:17

Tgt Ion: 75 Resp: 26753
Ion Ratio Lower Upper
75 100
110 11.2 15.7 47.0#
77 0.0 24.6 37.0#

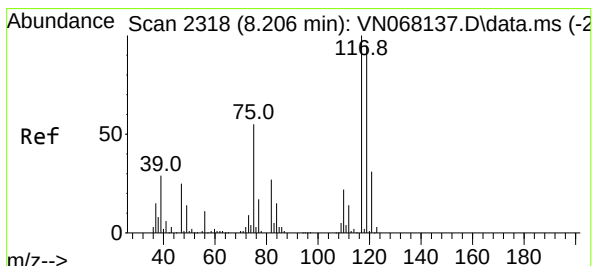
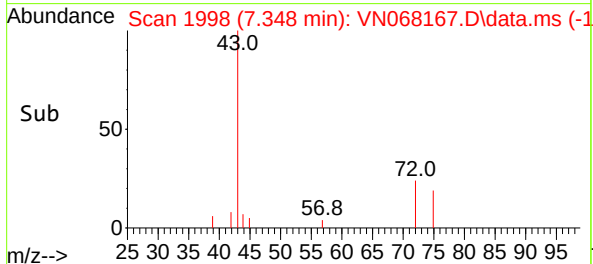
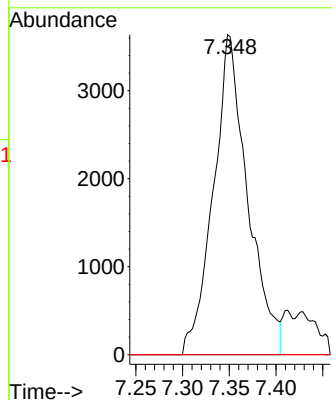
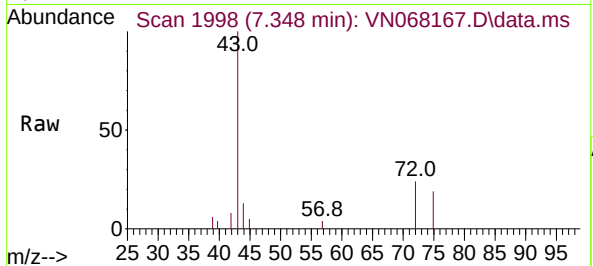




#37
Ethyl Acetate
Concen: 1.982 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. -0.067 min
Lab File: VN068167.D
Acq: 18 Aug 2021 2:17

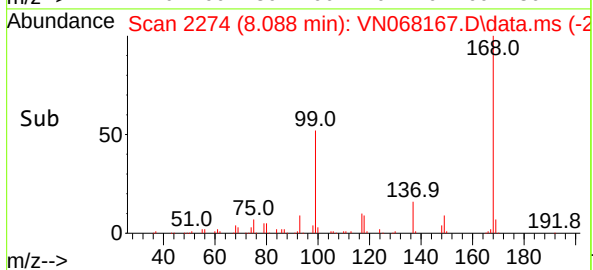
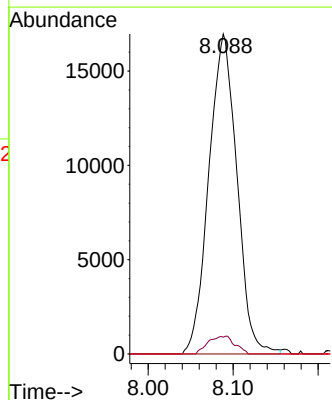
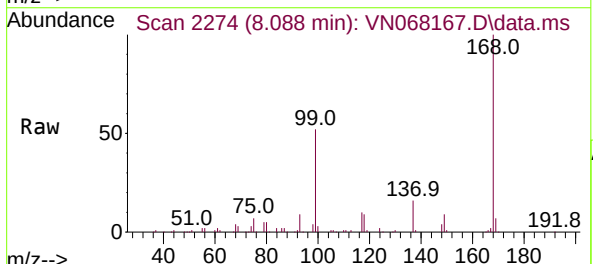
Instrument :
MSVOA_N
ClientSampleId :
2021-08-13-EB-04

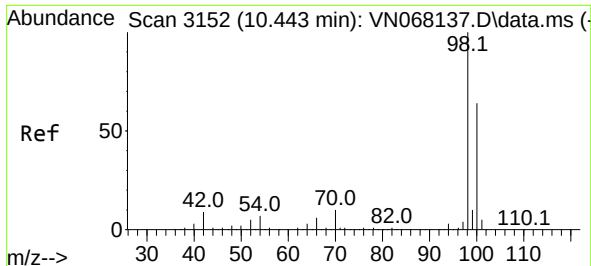
Tgt Ion:	43	Resp:	9307
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#



#38
Carbon Tetrachloride
Concen: 6.125 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068167.D
Acq: 18 Aug 2021 2:17

Tgt Ion:	117	Resp:	38933
Ion	Ratio	Lower	Upper
117	100		
119	5.2	75.4	113.2#
121	0.0	23.5	35.3#

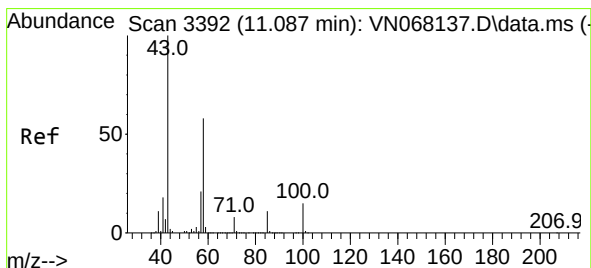
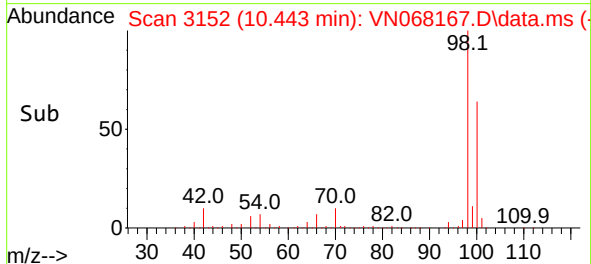
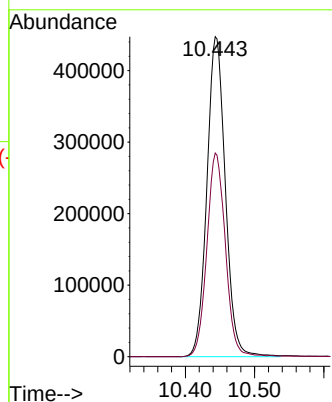
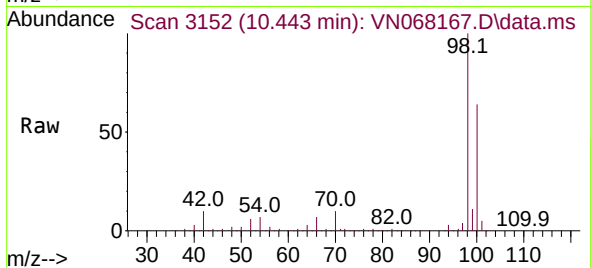




#50
Toluene-d8
Concen: 51.324 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068167.D
Acq: 18 Aug 2021 2:17

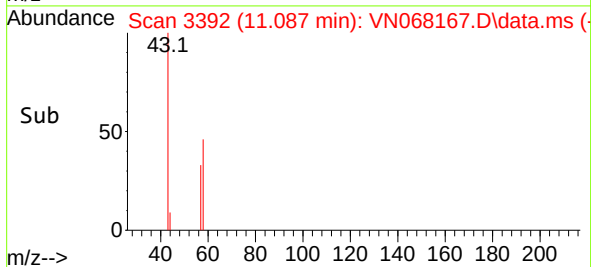
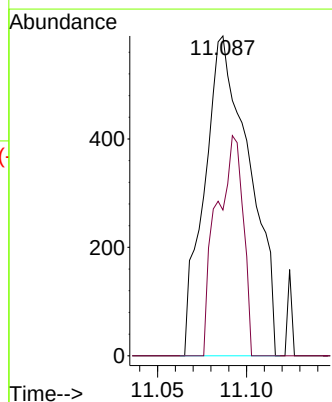
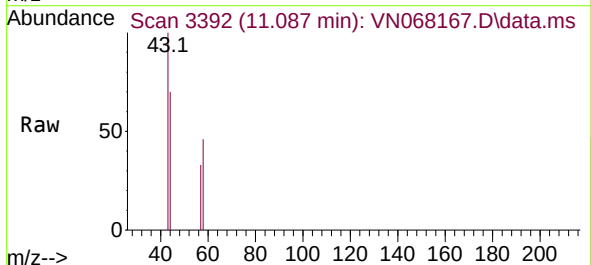
Instrument :
MSVOA_N
ClientSampleId :
2021-08-13-EB-04

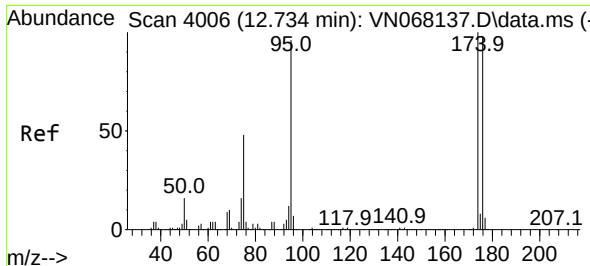
Tgt Ion: 98 Resp: 827774
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5



#59
2-Hexanone
Concen: 0.325 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN068167.D
Acq: 18 Aug 2021 2:17

Tgt Ion: 43 Resp: 1041
Ion Ratio Lower Upper
43 100
58 40.2 24.7 74.1

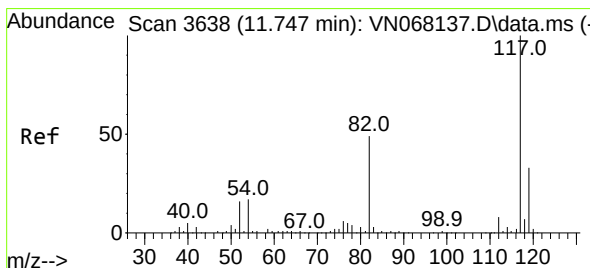
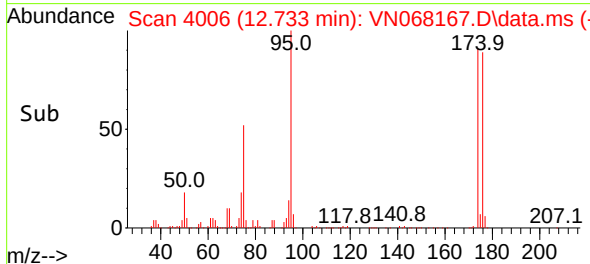
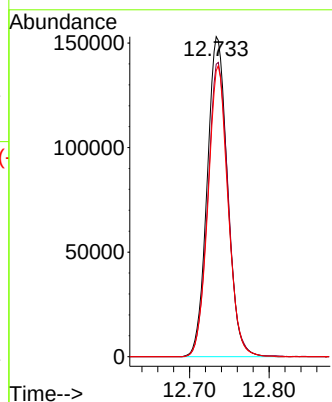
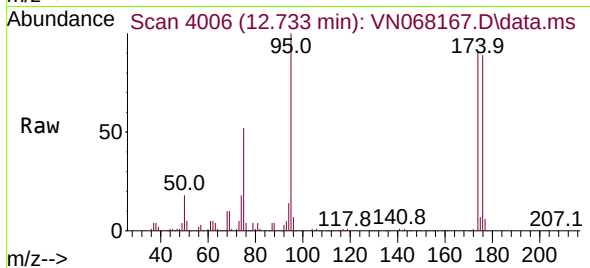




#62
4-Bromofluorobenzene
Concen: 50.664 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068167.D
Acq: 18 Aug 2021 2:17

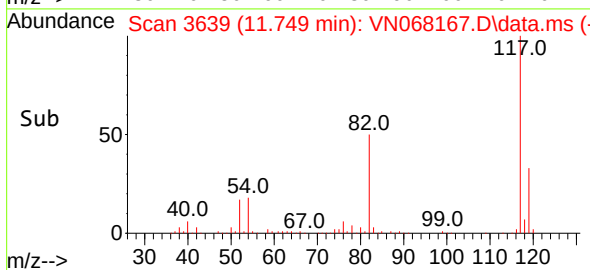
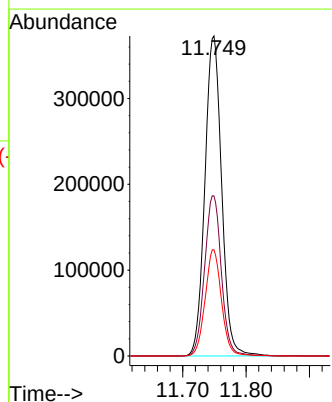
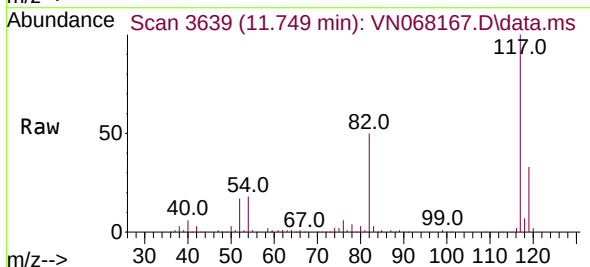
Instrument :
MSVOA_N
ClientSampleId :
2021-08-13-EB-04

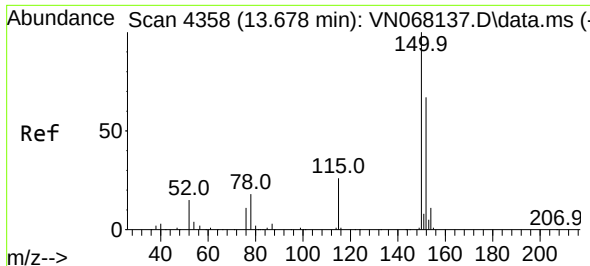
Tgt Ion: 95 Resp: 272018
Ion Ratio Lower Upper
95 100
174 92.3 0.0 122.0
176 89.2 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068167.D
Acq: 18 Aug 2021 2:17

Tgt Ion: 117 Resp: 685036
Ion Ratio Lower Upper
117 100
82 50.0 53.1 79.7#
119 33.2 25.5 38.3

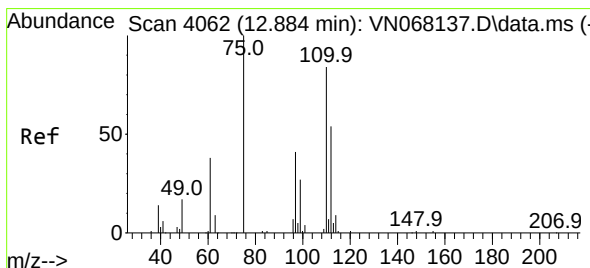
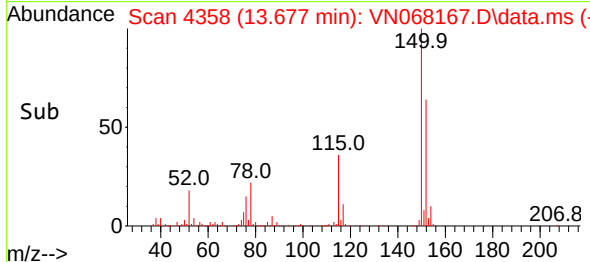
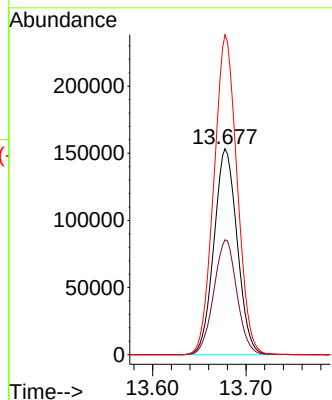
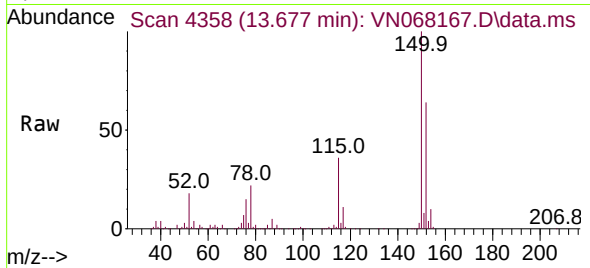




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 4358
 Delta R.T. -0.001 min
 Lab File: VN068167.D
 Acq: 18 Aug 2021 2:17

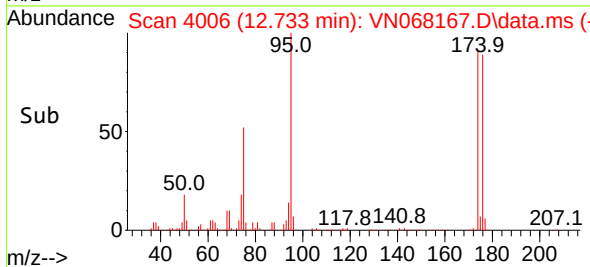
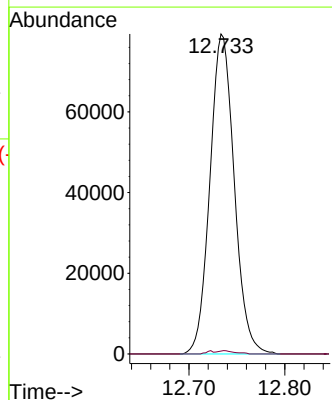
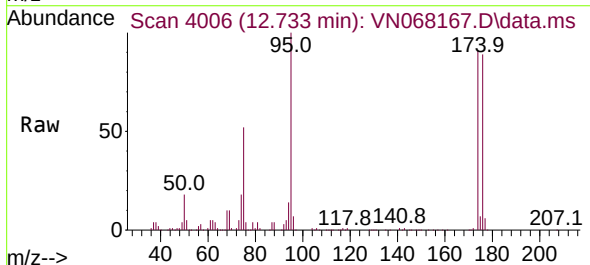
Instrument :
 MSVOA_N
 ClientSampleId :
 2021-08-13-EB-04

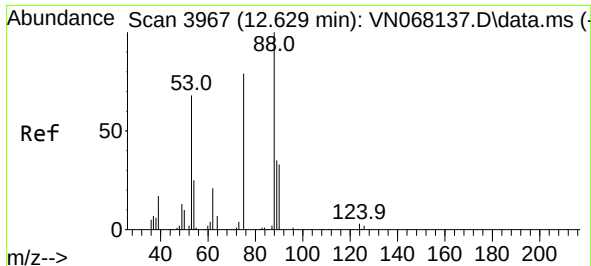
Tgt Ion:152 Resp: 265344
 Ion Ratio Lower Upper
 152 100
 115 55.7 36.1 108.5
 150 155.4 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 31.680 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.151 min
 Lab File: VN068167.D
 Acq: 18 Aug 2021 2:17

Tgt Ion: 75 Resp: 139718
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#

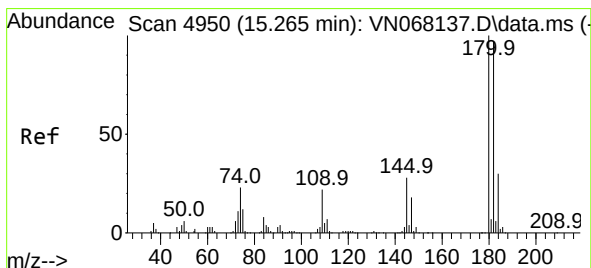
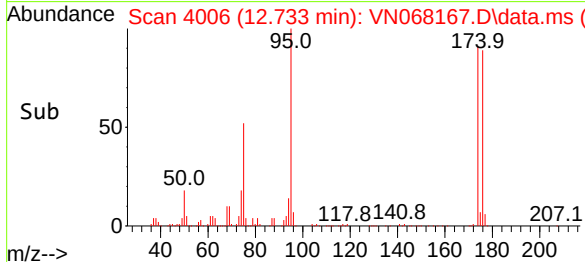
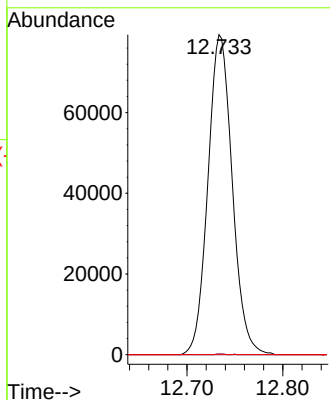
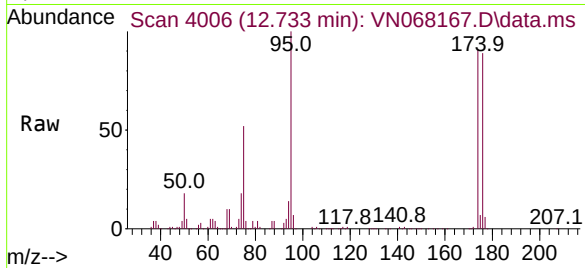




#81
trans-1,4-Dichloro-2-butene
Concen: 103.789 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068167.D
Acq: 18 Aug 2021 2:17

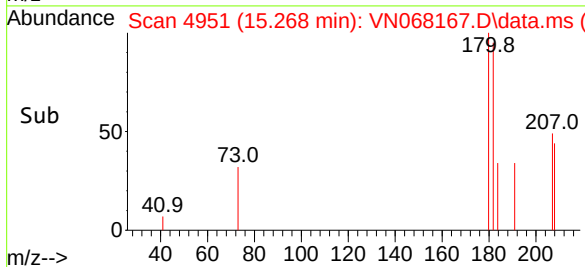
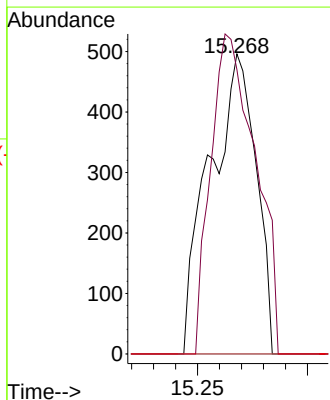
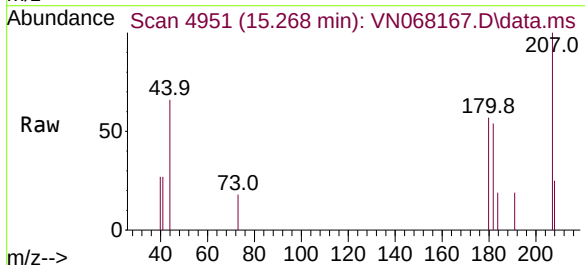
Instrument :
MSVOA_N
ClientSampleId :
2021-08-13-EB-04

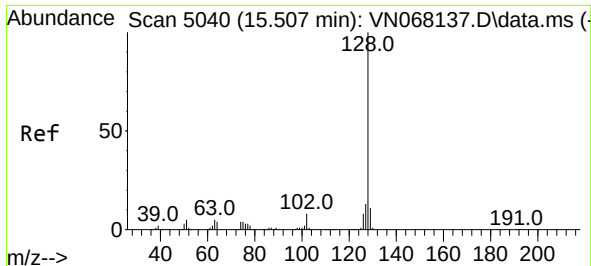
Tgt Ion: 75 Resp: 139718
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.841 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068167.D
Acq: 18 Aug 2021 2:17

Tgt Ion:180 Resp: 728
Ion Ratio Lower Upper
180 100
182 102.6 47.5 142.5
145 0.0 17.2 51.6#

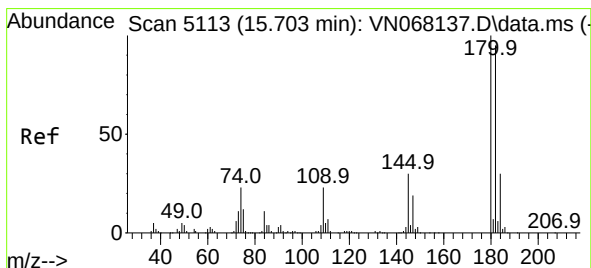
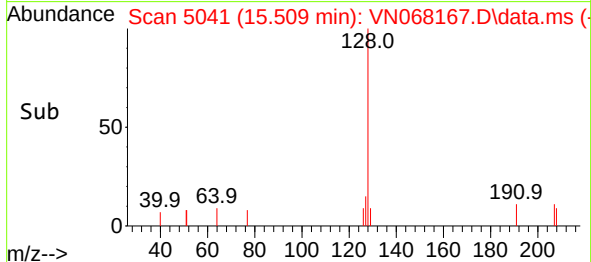
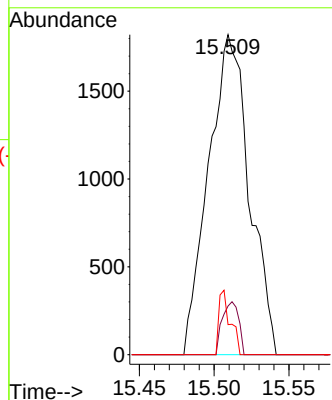
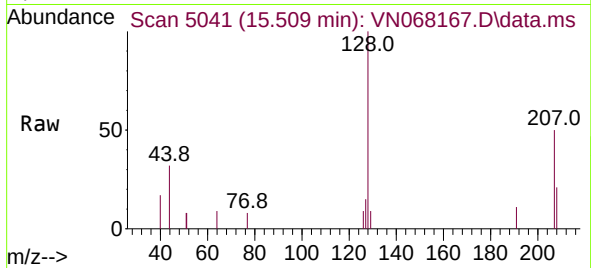




#95
Naphthalene
Concen: 3.654 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068167.D
Acq: 18 Aug 2021 2:17

Instrument :
MSVOA_N
ClientSampleId :
2021-08-13-EB-04

Tgt Ion:128 Resp: 3451
Ion Ratio Lower Upper
128 100
127 6.6 10.6 15.8#
129 5.6 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.967 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.005 min
Lab File: VN068167.D
Acq: 18 Aug 2021 2:17

Tgt Ion:180 Resp: 605
Ion Ratio Lower Upper
180 100
182 106.1 47.8 143.3
145 24.3 18.2 54.6

