

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082321\
 Data File : VN068267.D
 Acq On : 23 Aug 2021 14:29
 Operator : JC/MD
 Sample : PB138634ZHE#05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB138634ZHE#05

Quant Time: Aug 24 03:53:56 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)

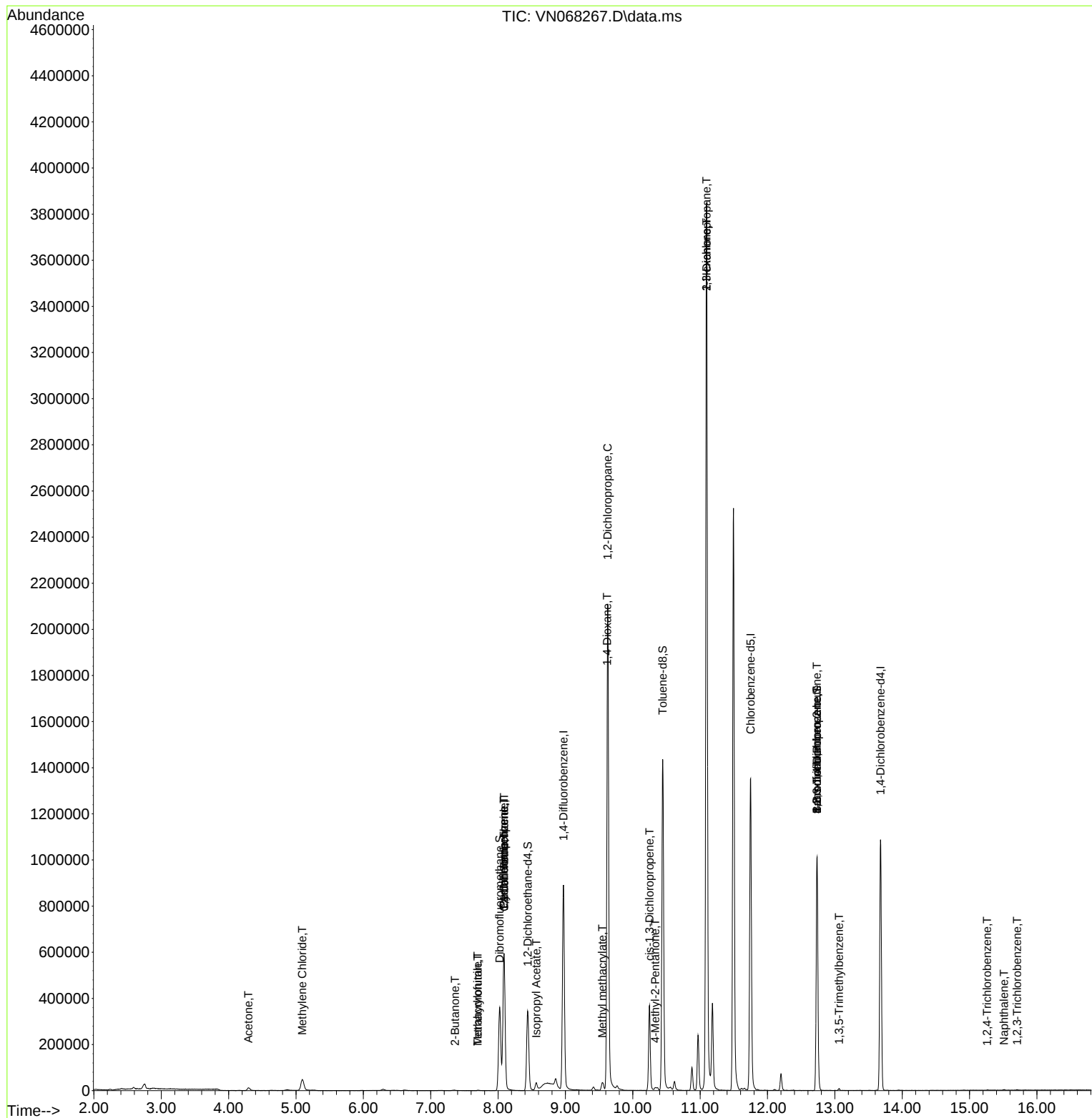
Internal Standards						
1) Pentafluorobenzene	8.088	168	496846	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	849120	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	894652	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	330103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	292640	55.164	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 110.320%		
35) Dibromofluoromethane	8.024	113	266547	49.999	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 100.000%		
50) Toluene-d8	10.443	98	1060962	52.231	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 104.460%		
62) 4-Bromofluorobenzene	12.733	95	344551	50.953	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 101.900%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.850	94	144	Below Cal	#	55
6) Chloroethane	3.183	64	24	Below Cal	#	44
13) Acrolein	4.036	56	88	Below Cal		89
16) Acetone	4.293	43	21808	14.080	ug/l #	83
18) Methyl Acetate	4.867	43	6493	Below Cal	#	85
20) Methylene Chloride	5.093	84	41095	7.795	ug/l #	79
25) 2-Butanone	7.359	43	3174	1.315	ug/l #	85
29) Tetrahydrofuran	7.697	42	914	0.592	ug/l #	86
31) Cyclohexane	8.088	56	8501	1.217	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	32369	4.663	ug/l #	53
38) Carbon Tetrachloride	8.091	117	46090	5.757	ug/l #	18
41) Methacrylonitrile	7.697	41	615	0.228	ug/l #	40
43) Isopropyl Acetate	8.568	43	39693	4.190	ug/l #	91
45) 1,2-Dichloropropane	9.628	63	2815	0.565	ug/l #	44
48) Methyl methacrylate	9.547	41	8722	2.210	ug/l #	12
49) 1,4-Dioxane	9.620	88	164	1.719	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	4382	0.753	ug/l #	32
54) cis-1,3-Dichloropropene	10.247	75	71421	8.885	ug/l #	55
57) 1,3-Dichloropropane	11.095	76	46056	5.181	ug/l #	43
59) 2-Hexanone	11.095	43	549531	136.015	ug/l #	57
71) Bromoform	12.733	173	2463	0.444	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	175675	32.019	ug/l #	100
80) 1,3,5-Trimethylbenzene	13.063	105	3899	0.205	ug/l	84
81) trans-1,4-Dichloro-2-b...	12.733	75	175675	104.898	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.263	180	709	2.807	ug/l #	91
95) Naphthalene	15.512	128	3064	3.565	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.705	180	639	2.947	ug/l #	63

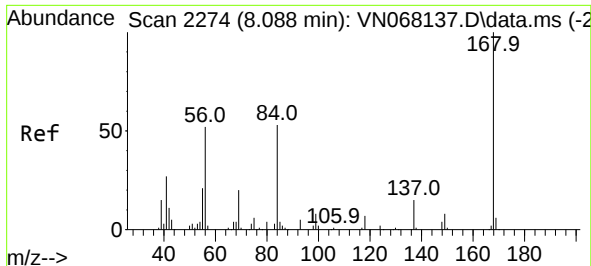
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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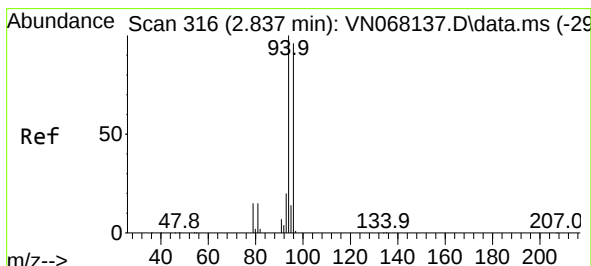
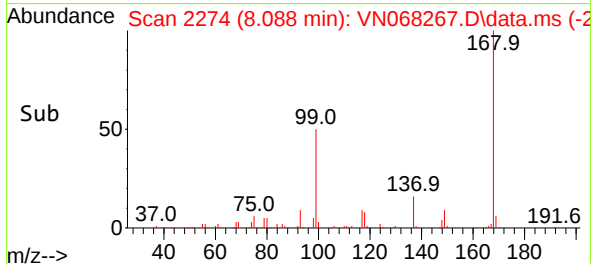
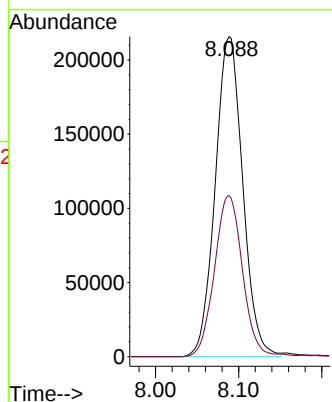
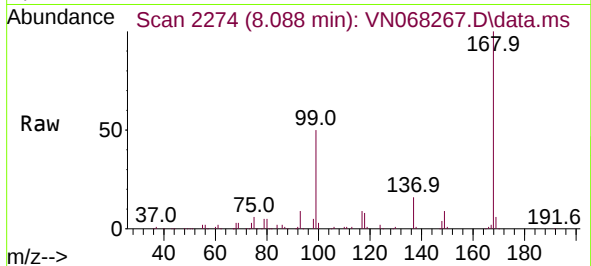




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

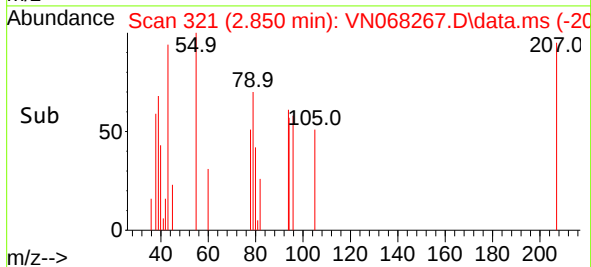
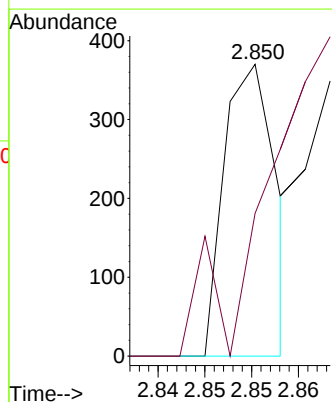
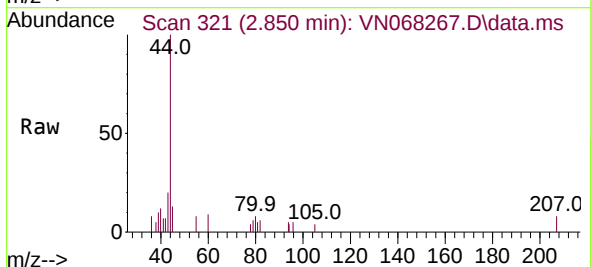
Instrument :
MSVOA_N
ClientSampleId :
PB138634ZHE#05

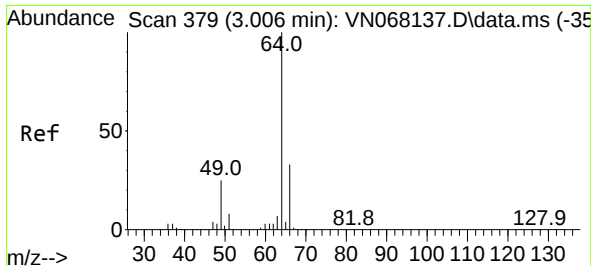
Tgt Ion:168 Resp: 496846
Ion Ratio Lower Upper
168 100
99 50.3 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.850 min Scan# 321
Delta R.T. 0.013 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

Tgt Ion: 94 Resp: 144
Ion Ratio Lower Upper
94 100
96 48.9 73.7 110.5#

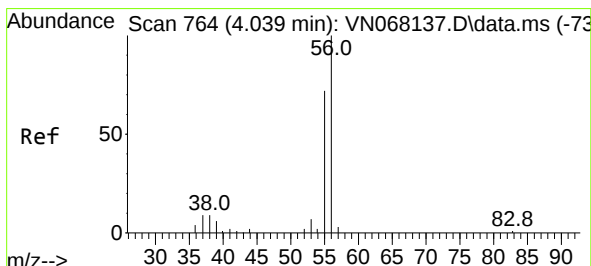
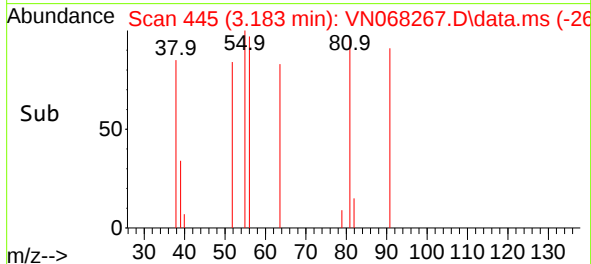
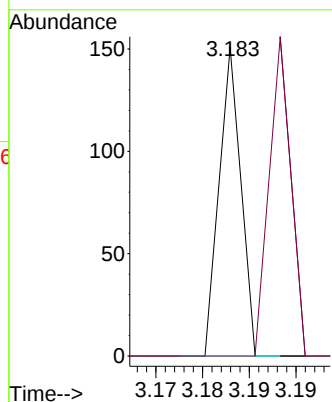
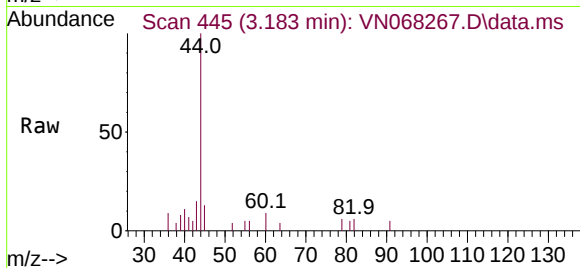




#6
Chloroethane
Concen: Below Cal
RT: 3.183 min Scan# 445
Delta R.T. 0.177 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

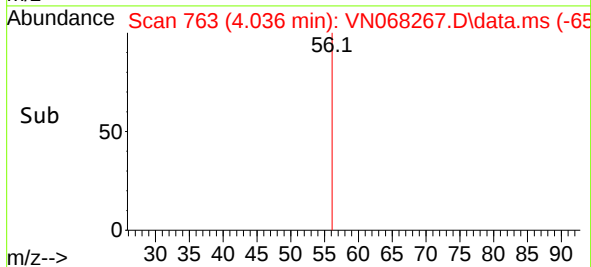
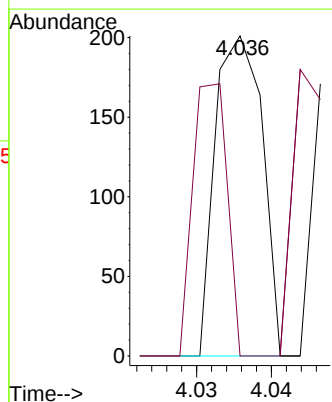
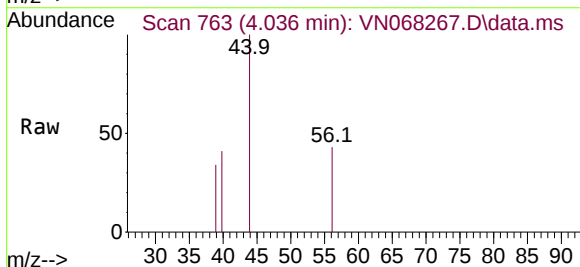
Instrument :
MSVOA_N
ClientSampleId :
PB138634ZHE#05

Tgt Ion: 64 Resp: 24
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.036 min Scan# 763
Delta R.T. -0.003 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

Tgt Ion: 56 Resp: 88
Ion Ratio Lower Upper
56 100
55 62.5 57.4 86.0

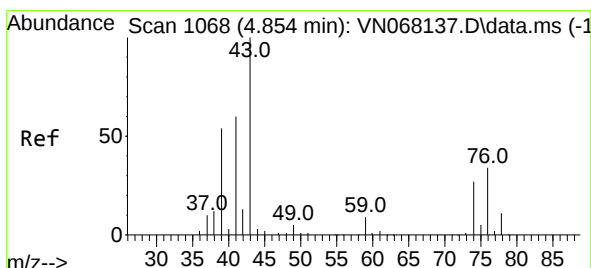
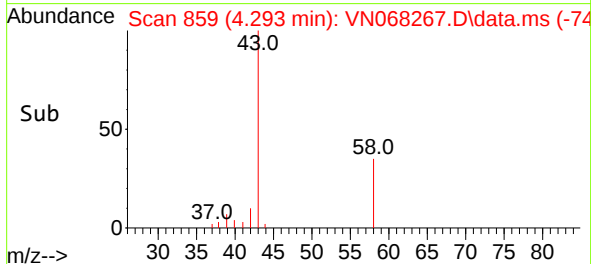
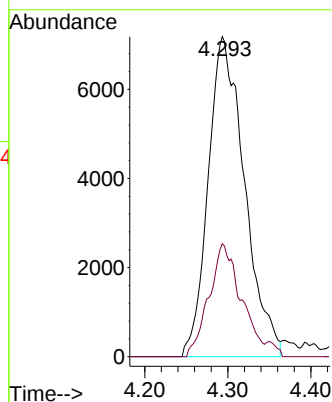
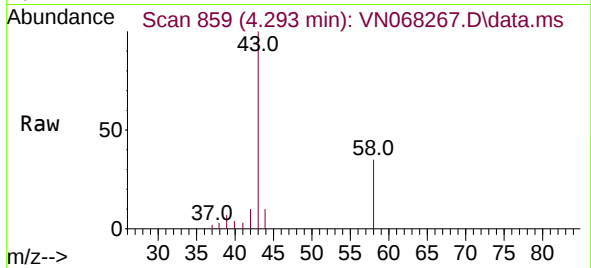




#16
Acetone
Concen: 14.080 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

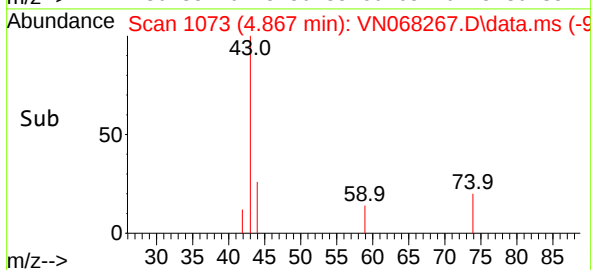
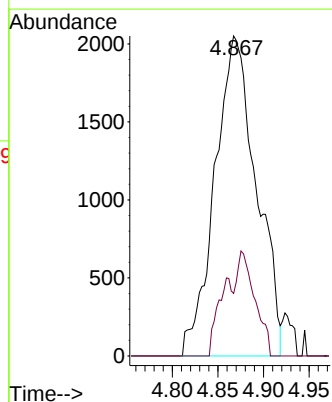
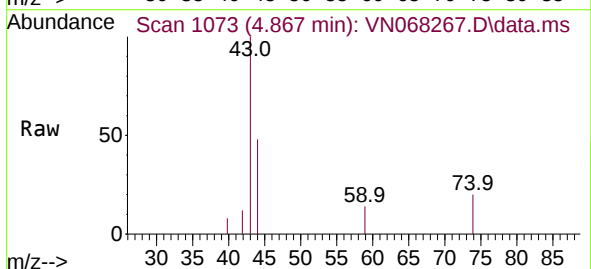
Instrument :
MSVOA_N
ClientSampleId :
PB138634ZHE#05

Tgt Ion: 43 Resp: 21808
Ion Ratio Lower Upper
43 100
58 35.3 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

Tgt Ion: 43 Resp: 6493
Ion Ratio Lower Upper
43 100
74 14.4 17.4 26.0#

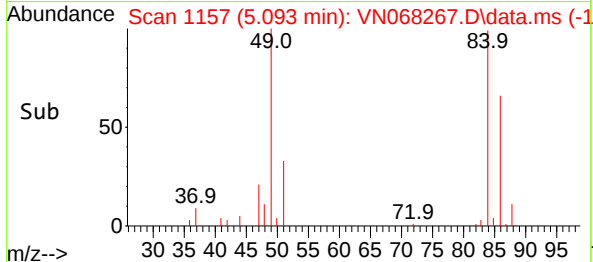
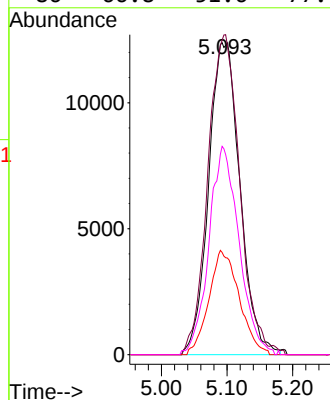
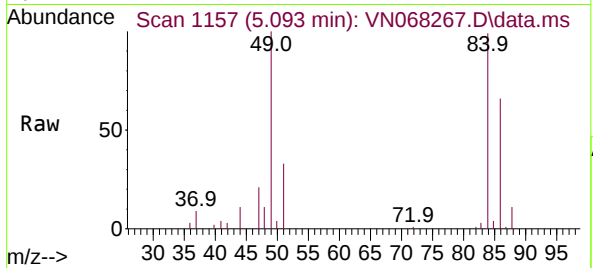




#20
Methylene Chloride
Concen: 7.795 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. -0.000 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

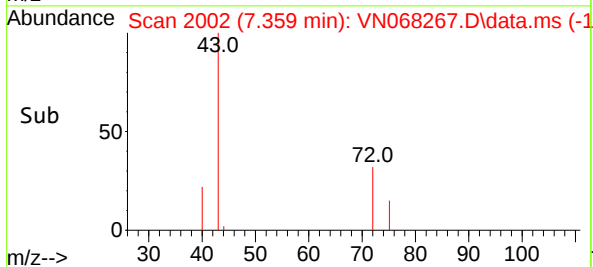
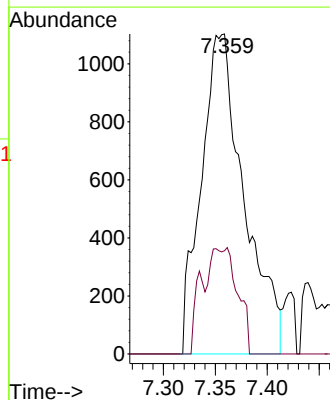
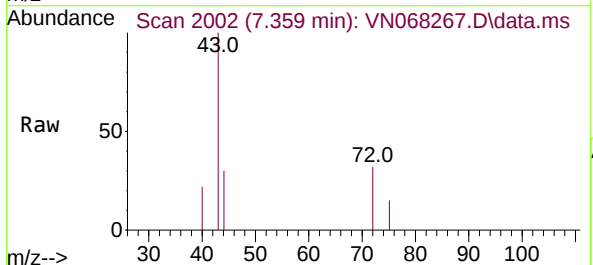
Instrument :
MSVOA_N
ClientSampleId :
PB138634ZHE#05

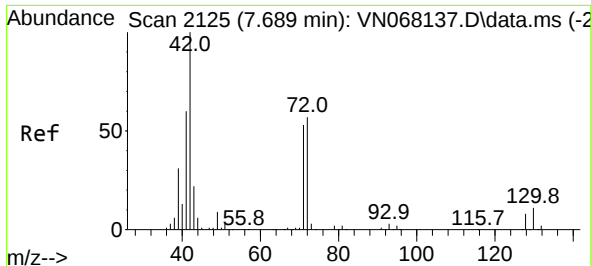
Tgt Ion:	84	Resp:	41095
Ion	Ratio	Lower	Upper
84	100		
49	100.8	110.9	166.3#
51	32.8	32.6	49.0
86	66.8	51.6	77.4



#25
2-Butanone
Concen: 1.315 ug/l
RT: 7.359 min Scan# 2002
Delta R.T. 0.019 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

Tgt Ion:	43	Resp:	3174
Ion	Ratio	Lower	Upper
43	100		
72	32.3	19.7	29.5#





#29

Tetrahydrofuran

Concen: 0.592 ug/l

RT: 7.697 min Scan# 2128

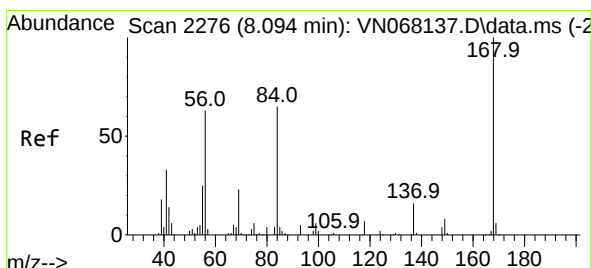
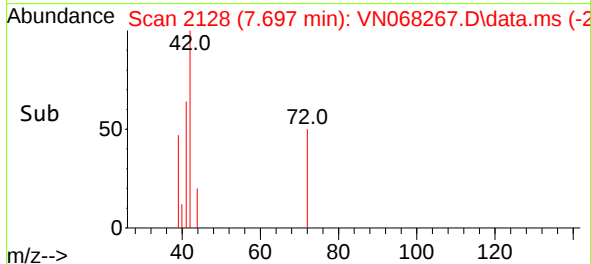
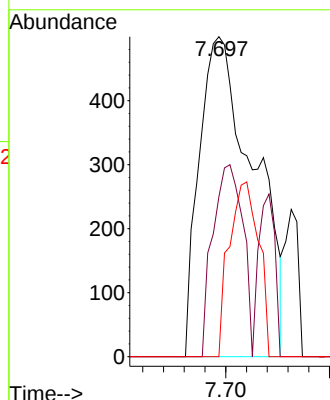
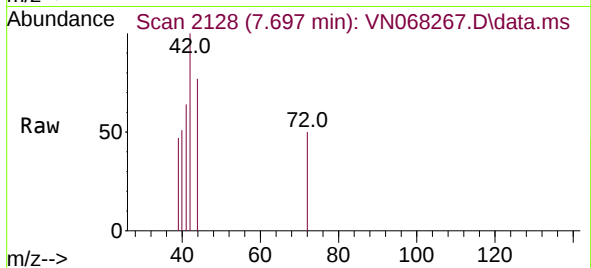
Delta R.T. 0.008 min

Lab File: VN068267.D

Acq: 23 Aug 2021 14:29

Tgt Ion:	42	Resp:	914
Ion	Ratio	Lower	Upper
42	100		
72	32.9	32.8	49.2
71	29.4	31.2	46.8#

Instrument :
MSVOA_N
ClientSampleId :
PB138634ZHE#05



#31

Cyclohexane

Concen: 1.217 ug/l

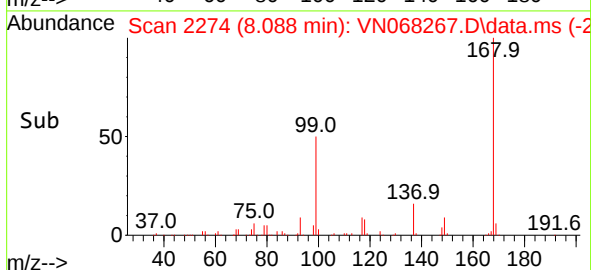
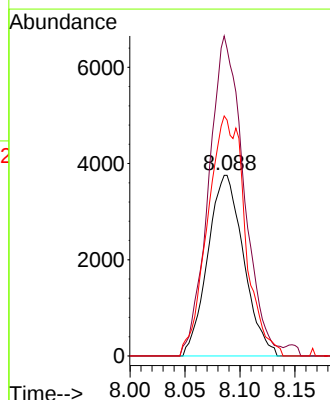
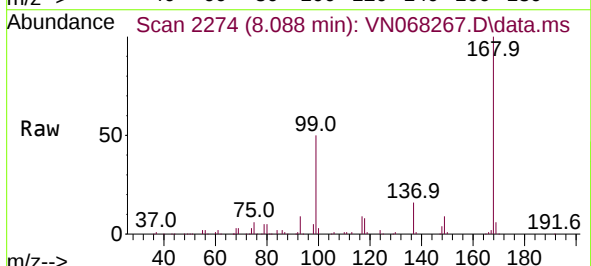
RT: 8.088 min Scan# 2274

Delta R.T. -0.006 min

Lab File: VN068267.D

Acq: 23 Aug 2021 14:29

Tgt Ion:	56	Resp:	8501
Ion	Ratio	Lower	Upper
56	100		
69	170.0	27.3	40.9#
84	130.5	64.9	97.3#

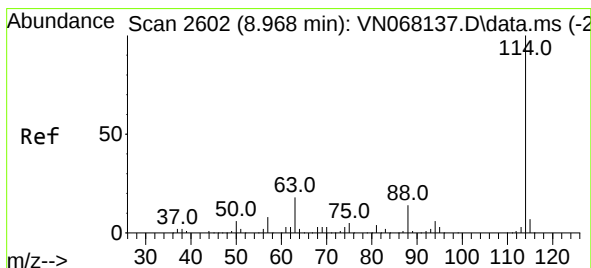
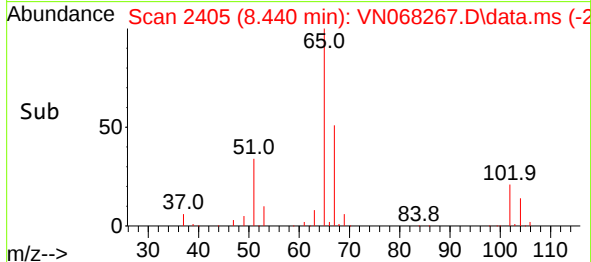
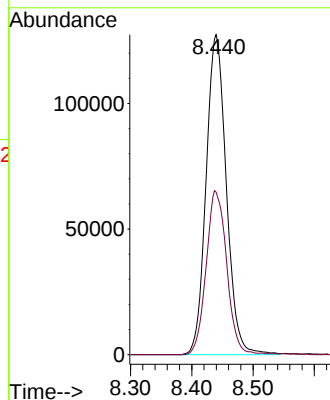
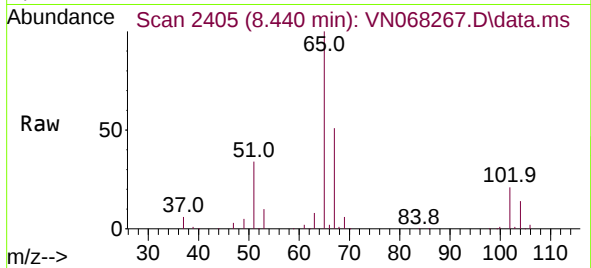




#33
 1,2-Dichloroethane-d4
 Concen: 55.164 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068267.D
 Acq: 23 Aug 2021 14:29

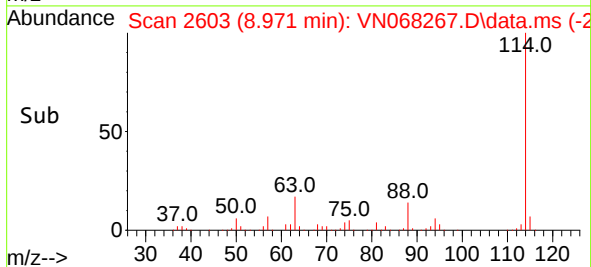
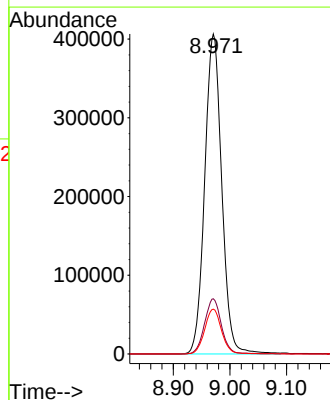
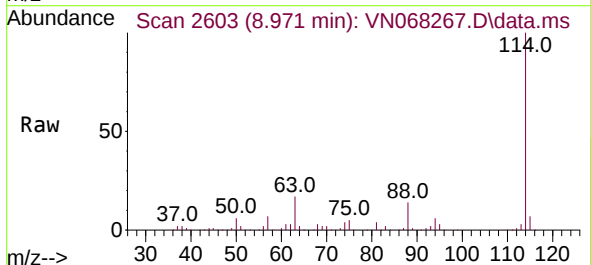
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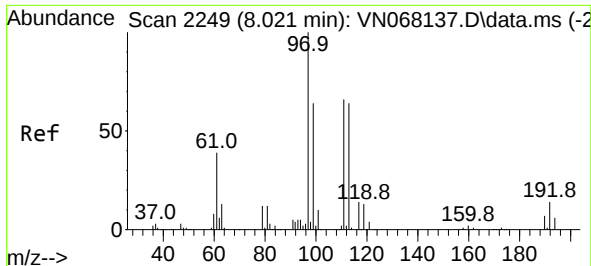
Tgt Ion: 65 Resp: 292640
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068267.D
 Acq: 23 Aug 2021 14:29

Tgt Ion: 114 Resp: 849120
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 49.0
 88 14.0 0.0 36.6

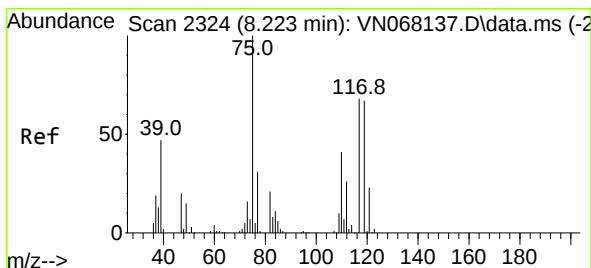
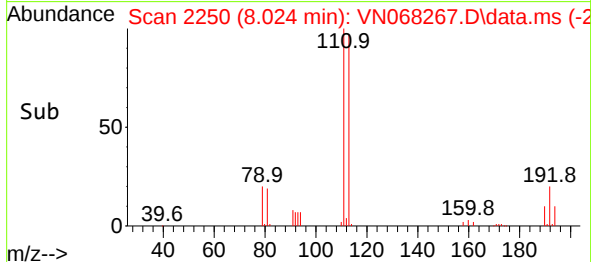
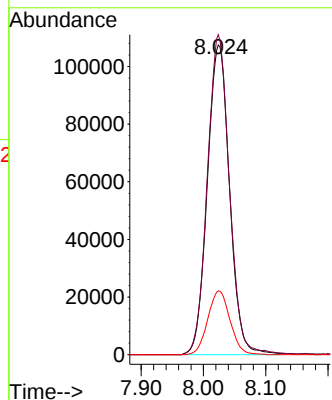
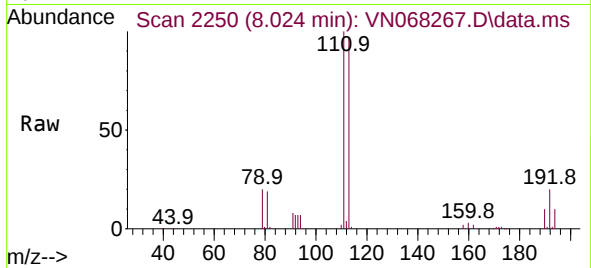




#35
Dibromofluoromethane
Concen: 49.999 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

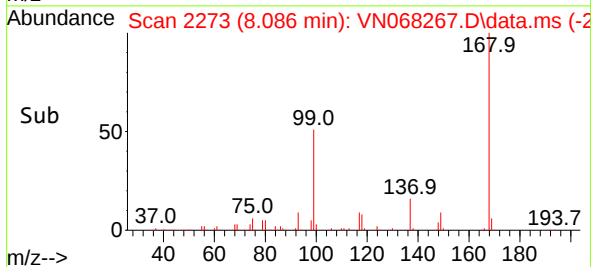
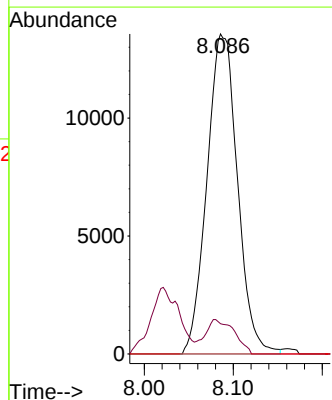
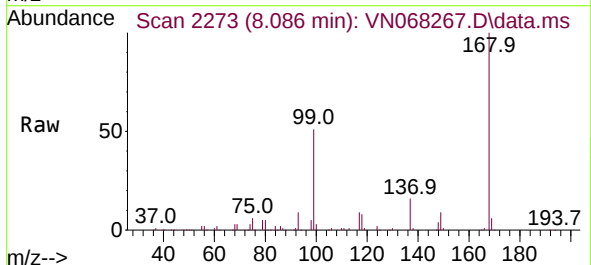
Instrument :
MSVOA_N
ClientSampleId :
PB138634ZHE#05

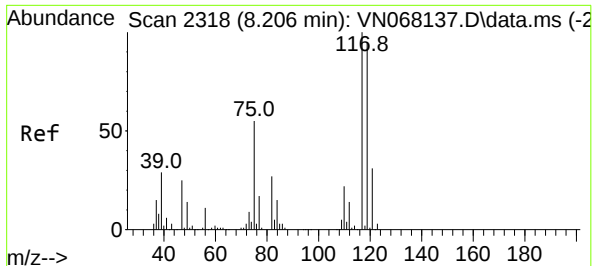
Tgt Ion:113 Resp: 266547
Ion Ratio Lower Upper
113 100
111 101.9 83.8 125.8
192 20.6 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.663 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

Tgt Ion: 75 Resp: 32369
Ion Ratio Lower Upper
75 100
110 10.2 15.7 47.0#
77 0.0 24.6 37.0#

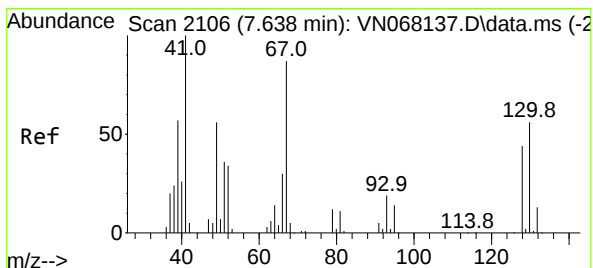
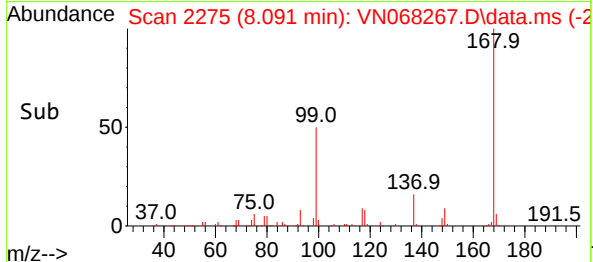
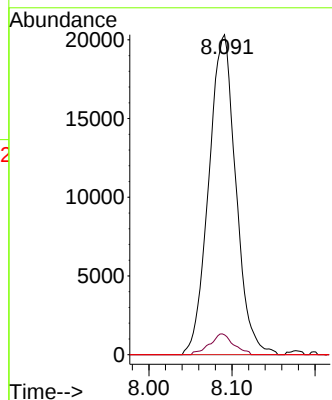
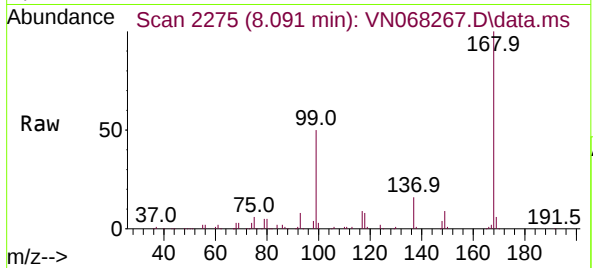




#38
Carbon Tetrachloride
Concen: 5.757 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.115 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

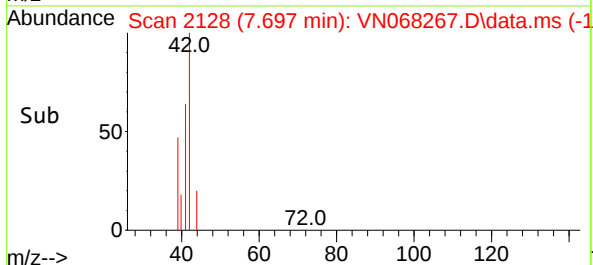
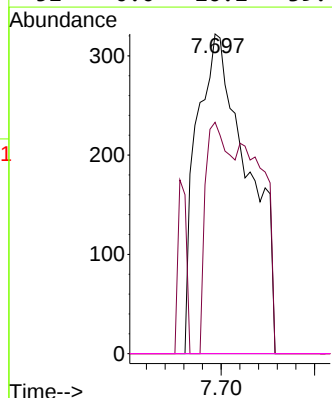
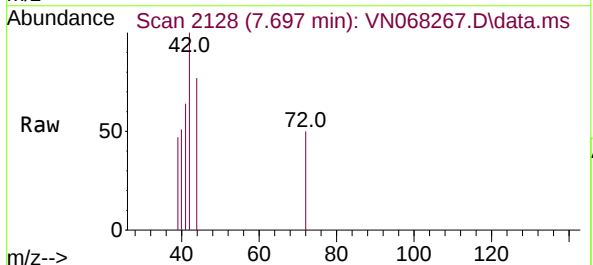
Instrument :
MSVOA_N
ClientSampleId :
PB138634ZHE#05

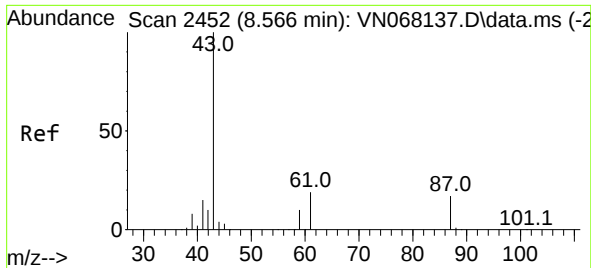
Tgt Ion:117 Resp: 46090
Ion Ratio Lower Upper
117 100
119 6.2 75.4 113.2#
121 0.0 23.5 35.3#



#41
Methacrylonitrile
Concen: 0.228 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.059 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

Tgt Ion: 41 Resp: 615
Ion Ratio Lower Upper
41 100
39 37.9 47.6 71.4#
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

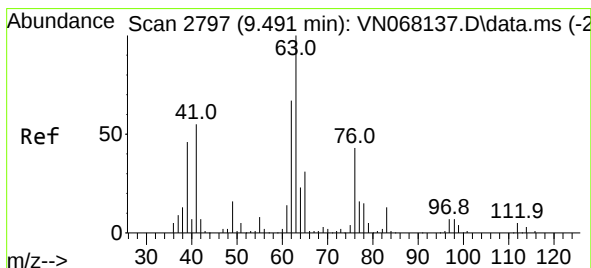
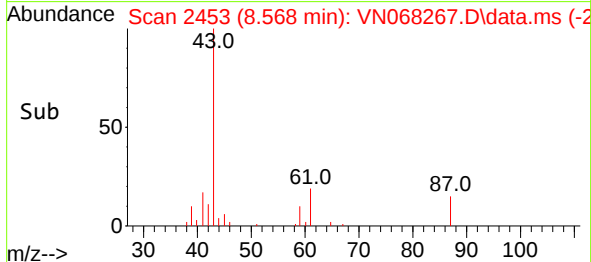
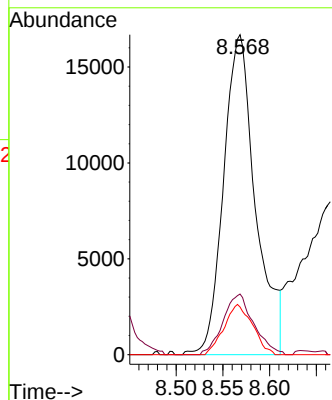
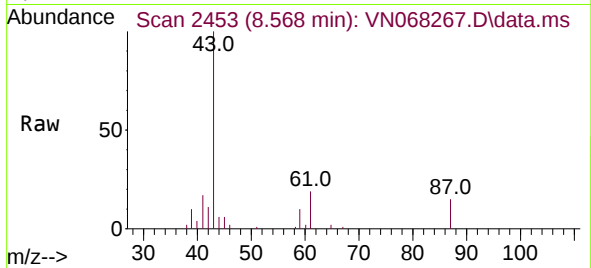




#43
Isopropyl Acetate
Concen: 4.190 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.002 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

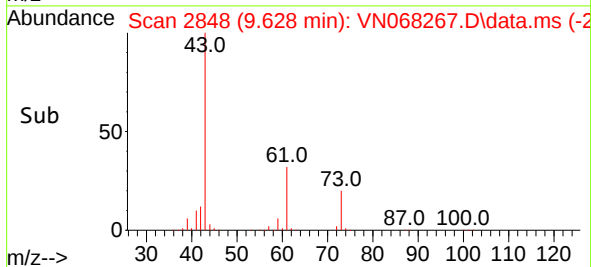
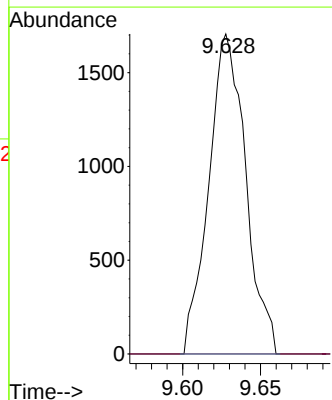
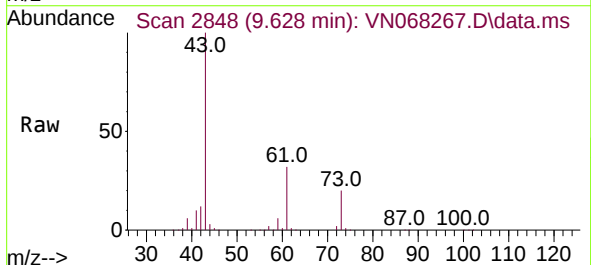
Instrument :
MSVOA_N
ClientSampleId :
PB138634ZHE#05

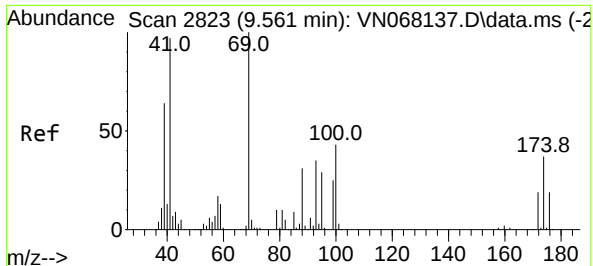
Tgt Ion: 43 Resp: 39693
Ion Ratio Lower Upper
43 100
61 18.2 19.0 28.4#
87 14.0 9.5 14.3



#45
1,2-Dichloropropane
Concen: 0.565 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

Tgt Ion: 63 Resp: 2815
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

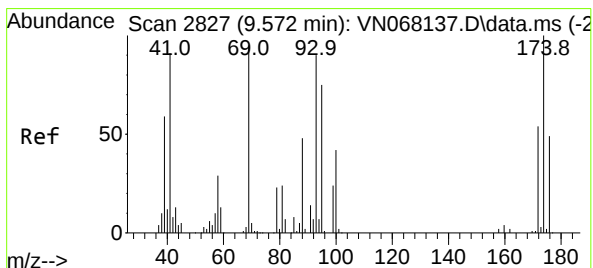
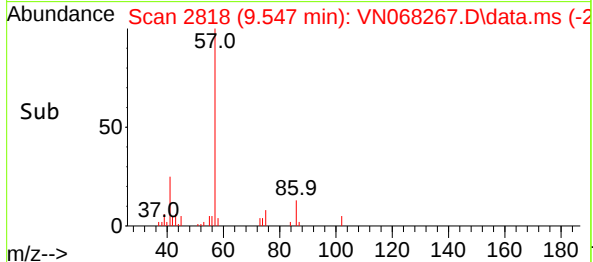
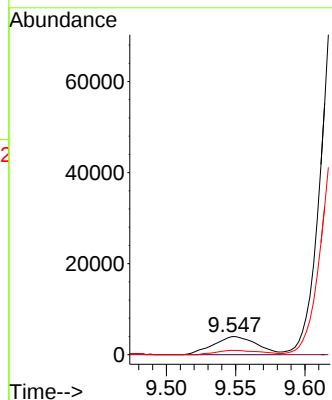
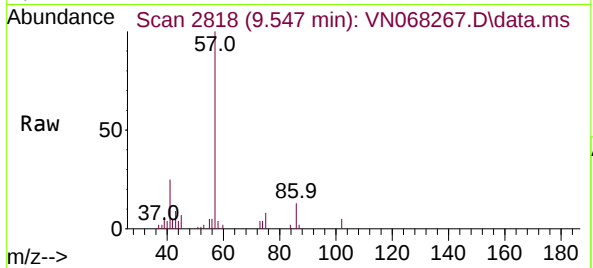




#48
Methyl methacrylate
Concen: 2.210 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

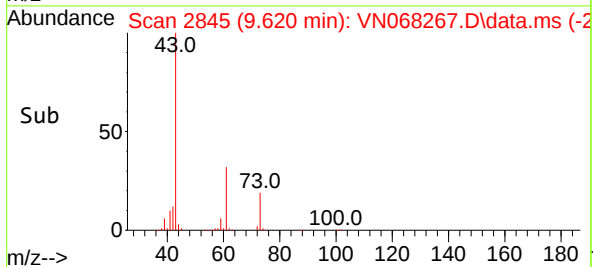
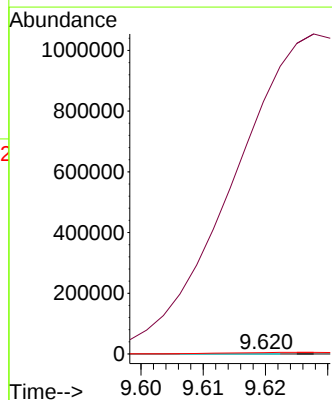
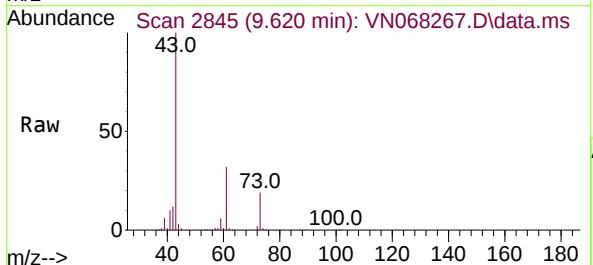
Instrument :
MSVOA_N
ClientSampleId :
PB138634ZHE#05

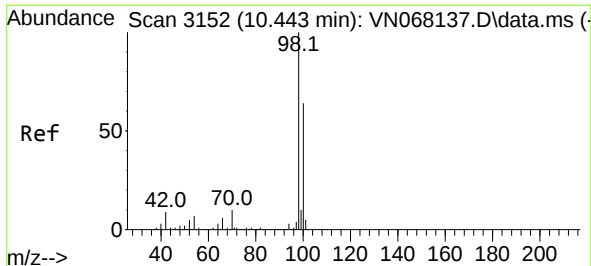
Tgt Ion: 41 Resp: 8722
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 1.719 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.048 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

Tgt Ion: 88 Resp: 164
Ion Ratio Lower Upper
88 100
43 1235143.9 28.8 43.2#
58 6420.7 60.4 90.6#

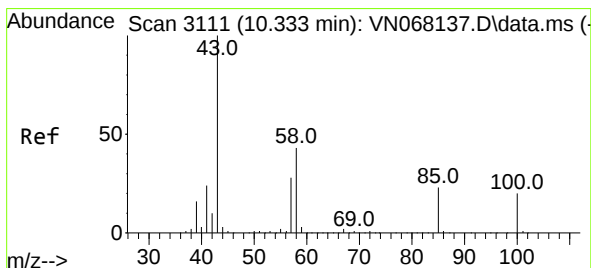
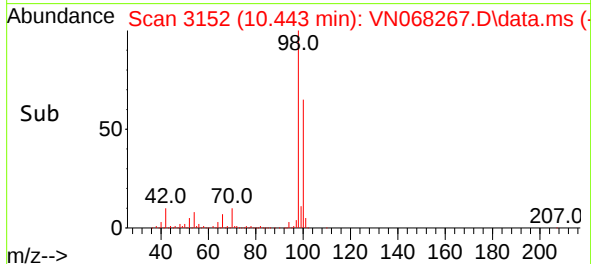
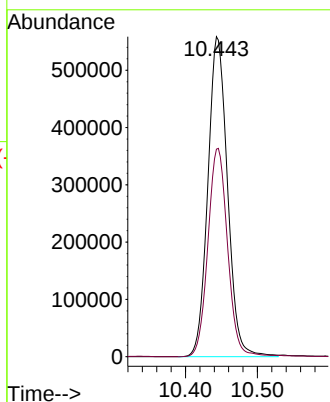
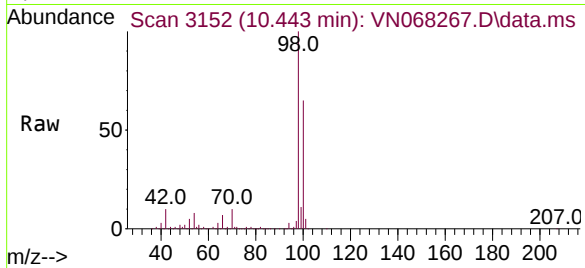




#50
Toluene-d8
Concen: 52.231 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

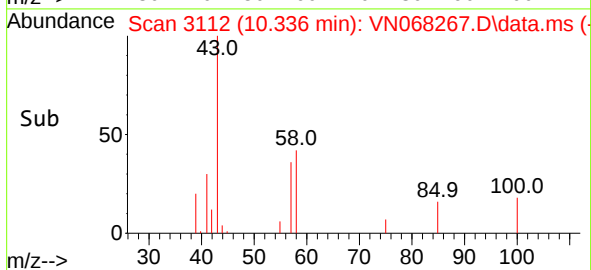
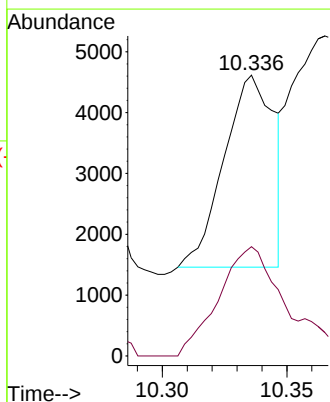
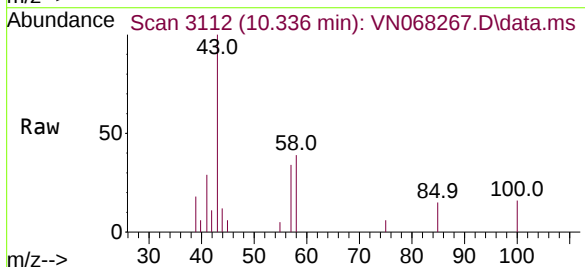
Instrument :
MSVOA_N
ClientSampleId :
PB138634ZHE#05

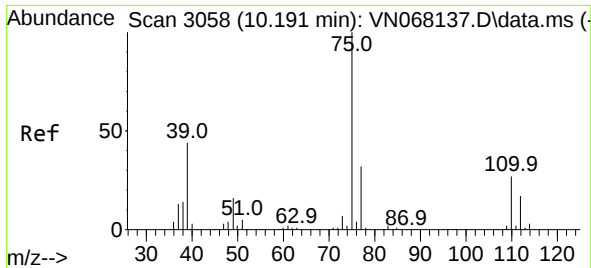
Tgt Ion: 98 Resp: 1060962
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.753 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

Tgt Ion: 43 Resp: 4382
Ion Ratio Lower Upper
43 100
58 75.8 28.6 43.0#

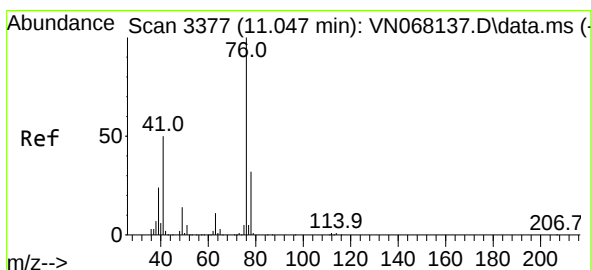
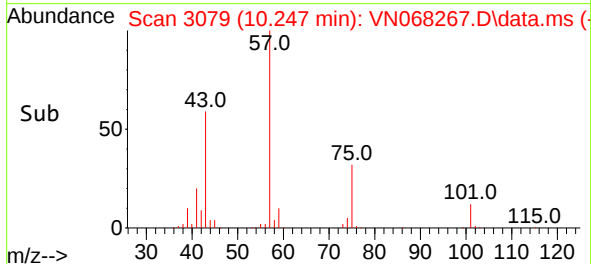
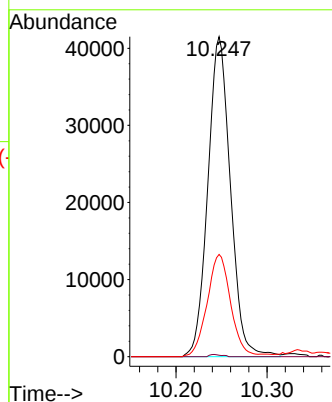
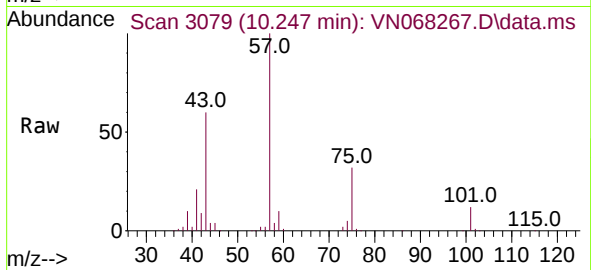




#54
 cis-1,3-Dichloropropene
 Concen: 8.885 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN068267.D
 Acq: 23 Aug 2021 14:29

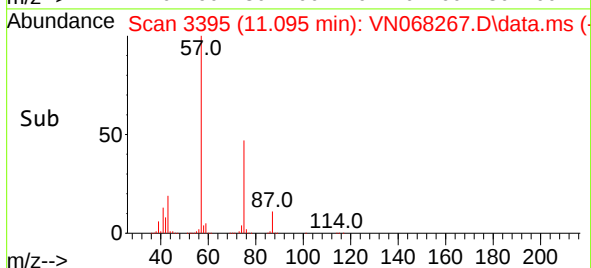
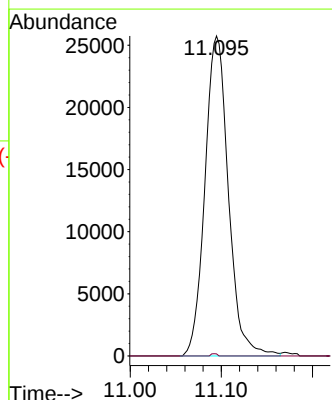
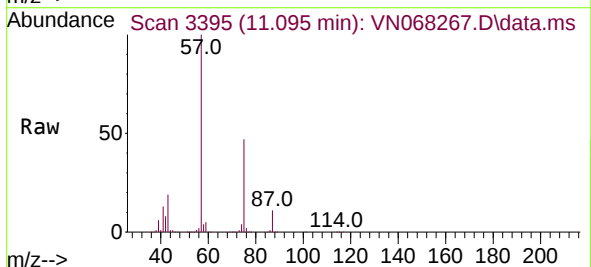
Instrument :
 MSVOA_N
 ClientSampleId :
 PB138634ZHE#05

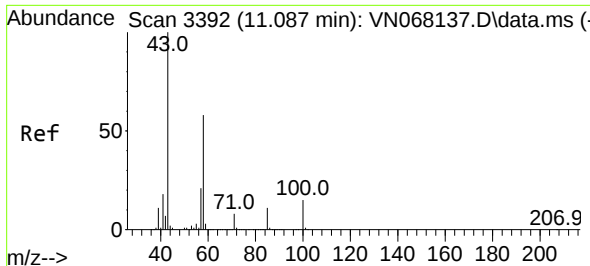
Tgt Ion: 75 Resp: 71421
 Ion Ratio Lower Upper
 75 100
 77 0.4 24.6 37.0#
 39 32.0 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 5.181 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.048 min
 Lab File: VN068267.D
 Acq: 23 Aug 2021 14:29

Tgt Ion: 76 Resp: 46056
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.7 38.5#

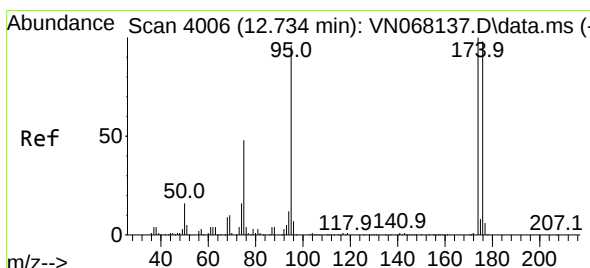
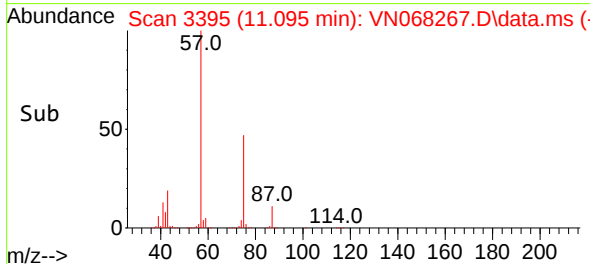
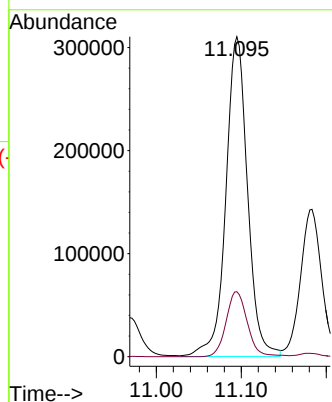
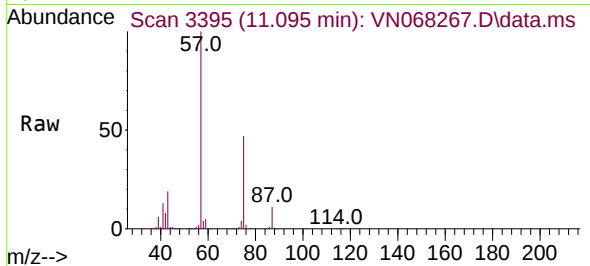




#59
2-Hexanone
Concen: 136.015 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

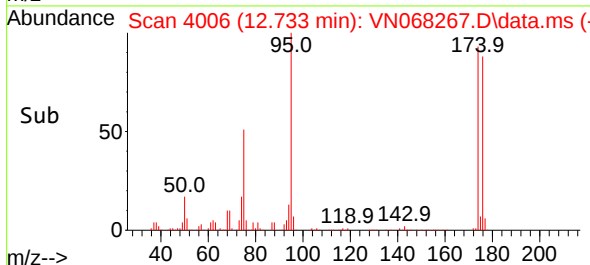
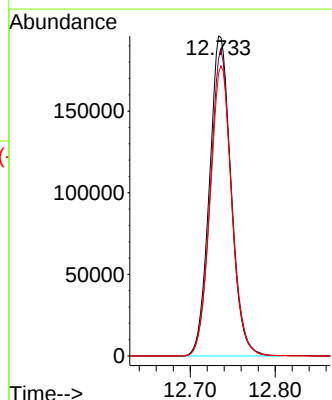
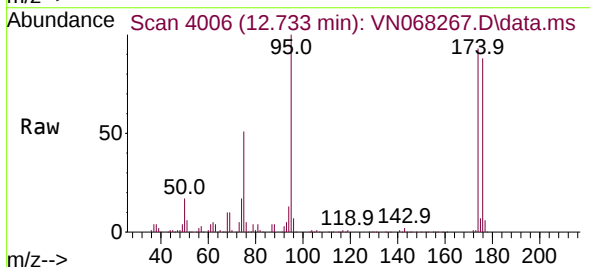
Instrument :
MSVOA_N
ClientSampleId :
PB138634ZHE#05

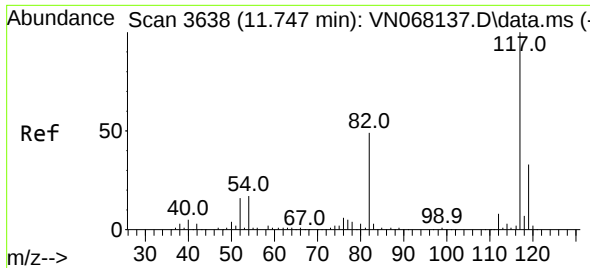
Tgt Ion: 43 Resp: 549531
Ion Ratio Lower Upper
43 100
58 20.0 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 50.953 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

Tgt Ion: 95 Resp: 344551
Ion Ratio Lower Upper
95 100
174 94.7 0.0 122.0
176 90.9 0.0 117.6

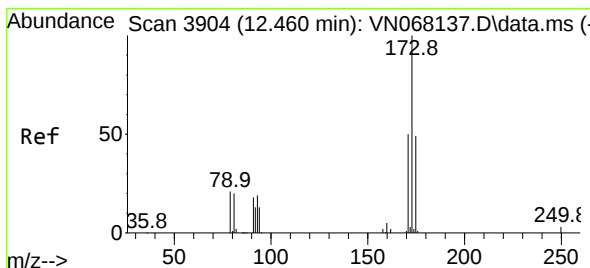
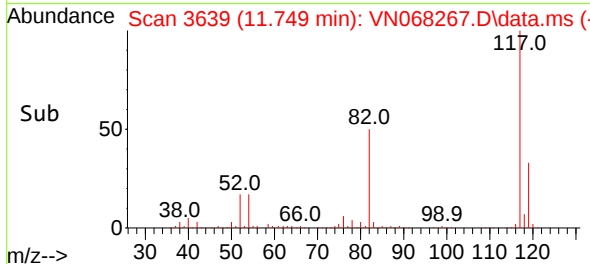
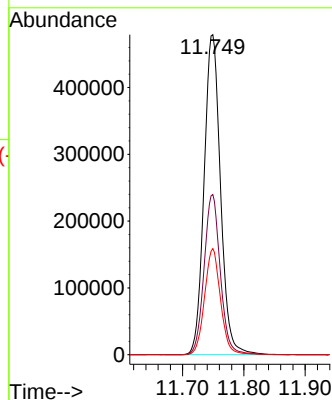
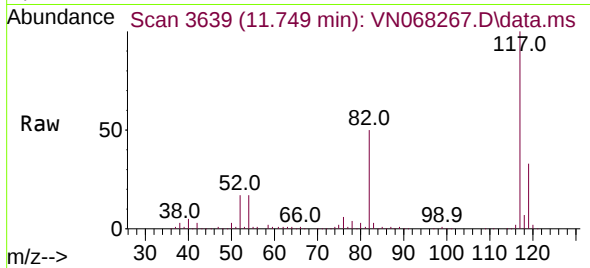




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

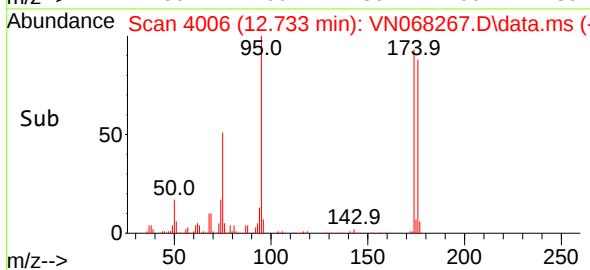
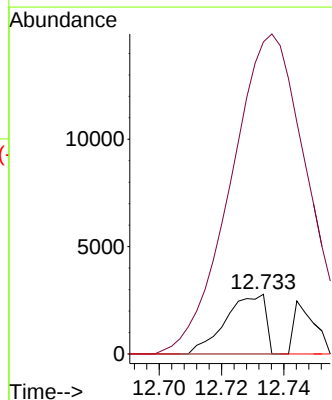
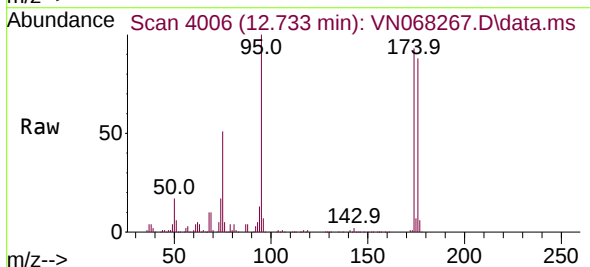
Instrument :
MSVOA_N
ClientSampleId :
PB138634ZHE#05

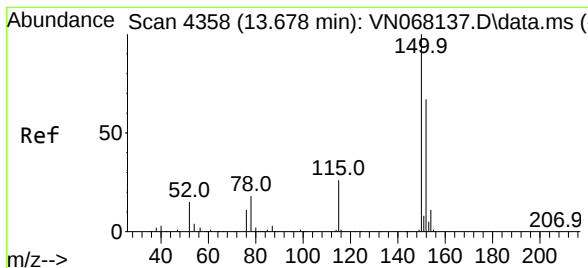
Tgt Ion:117 Resp: 894652
Ion Ratio Lower Upper
117 100
82 50.1 53.1 79.7#
119 33.1 25.5 38.3



#71
Bromoform
Concen: 0.444 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.273 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

Tgt Ion:173 Resp: 2463
Ion Ratio Lower Upper
173 100
175 943.7 23.9 71.8#
254 0.0 0.0 0.0

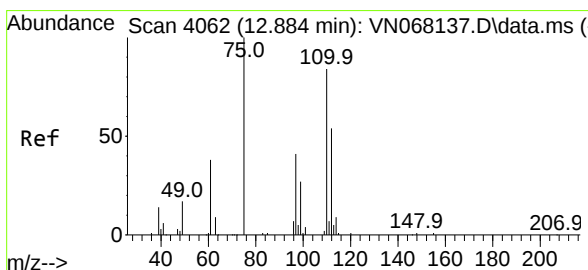
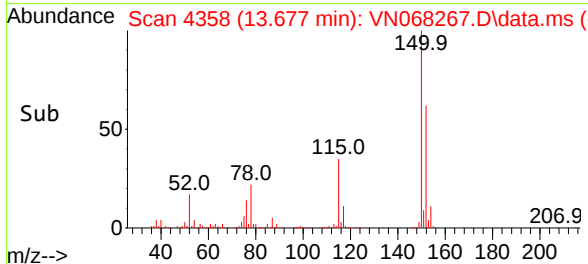
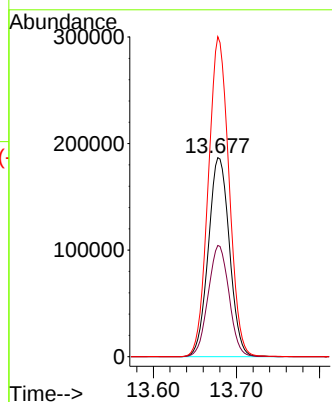
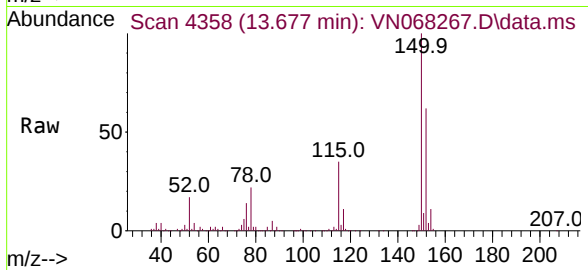




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 4358
 Delta R.T. -0.001 min
 Lab File: VN068267.D
 Acq: 23 Aug 2021 14:29

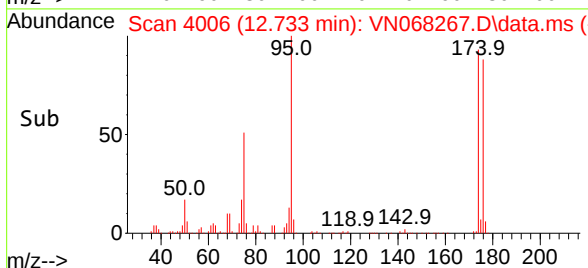
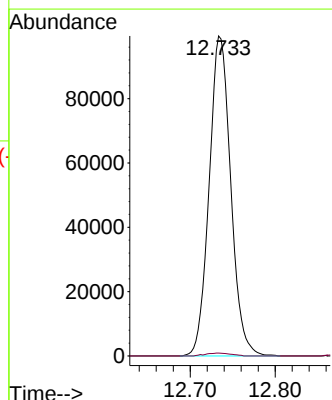
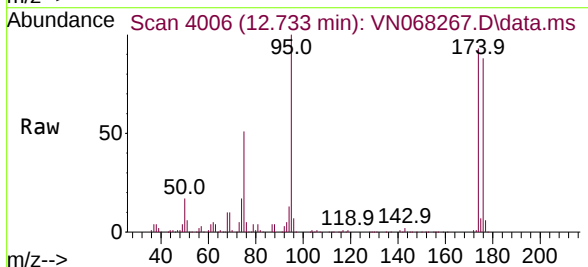
Instrument :
 MSVOA_N
 ClientSampleId :
 PB138634ZHE#05

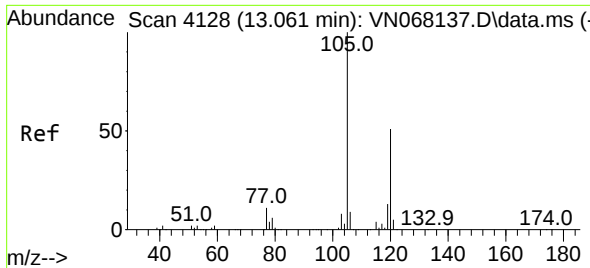
Tgt Ion:152 Resp: 330103
 Ion Ratio Lower Upper
 152 100
 115 55.1 36.1 108.5
 150 157.4 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 32.019 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.151 min
 Lab File: VN068267.D
 Acq: 23 Aug 2021 14:29

Tgt Ion: 75 Resp: 175675
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

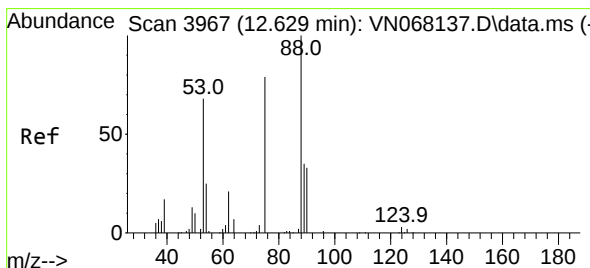
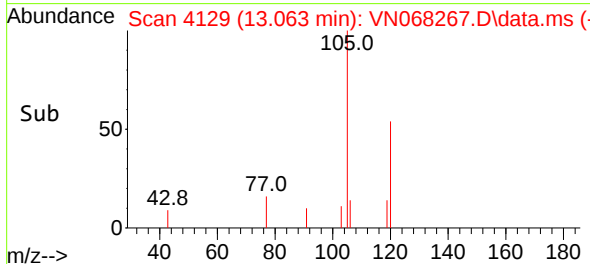
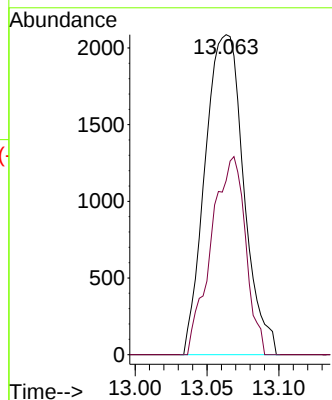
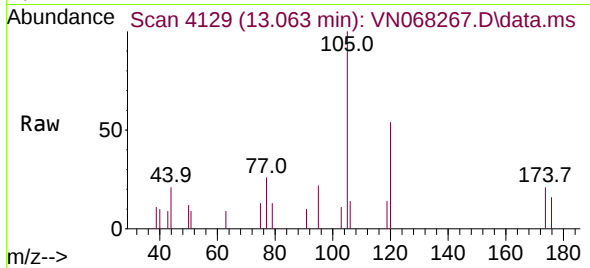




#80
1,3,5-Trimethylbenzene
Concen: 0.205 ug/l
RT: 13.063 min Scan# 4129
Delta R.T. 0.002 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

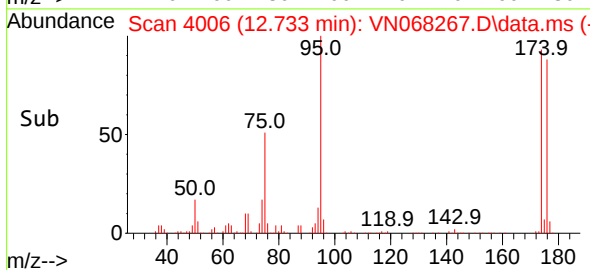
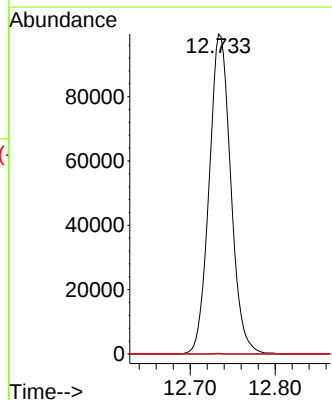
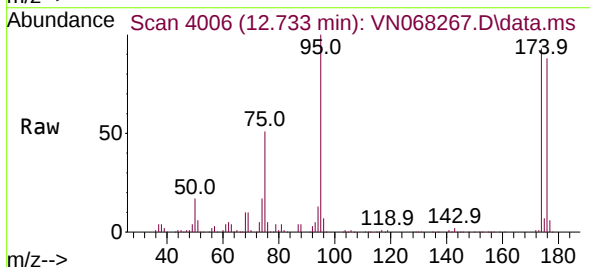
Instrument :
MSVOA_N
ClientSampleId :
PB138634ZHE#05

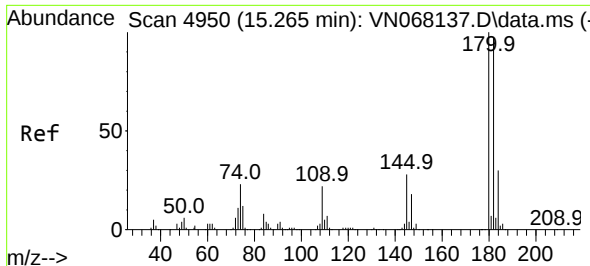
Tgt Ion:105 Resp: 3899
Ion Ratio Lower Upper
105 100
120 54.8 22.2 66.6



#81
trans-1,4-Dichloro-2-butene
Concen: 104.898 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

Tgt Ion: 75 Resp: 175675
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

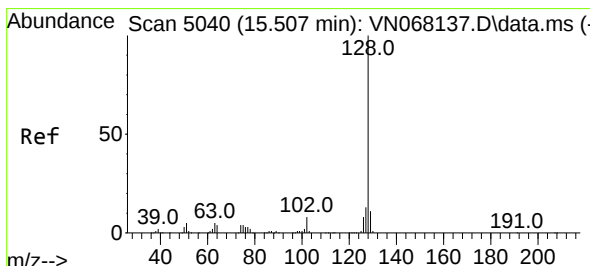
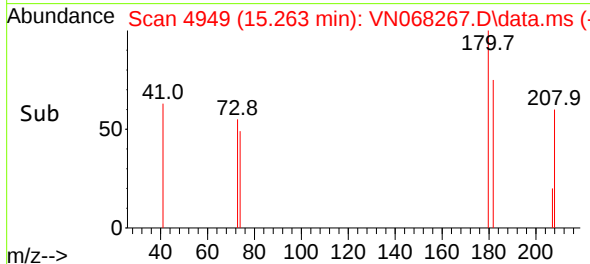
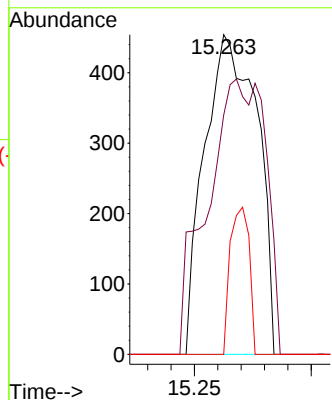
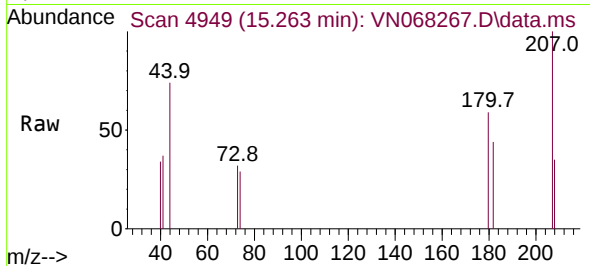




#93
1,2,4-Trichlorobenzene
Concen: 2.807 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

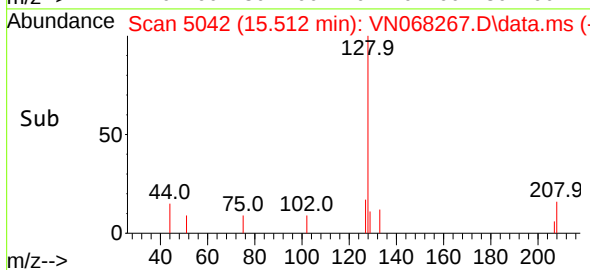
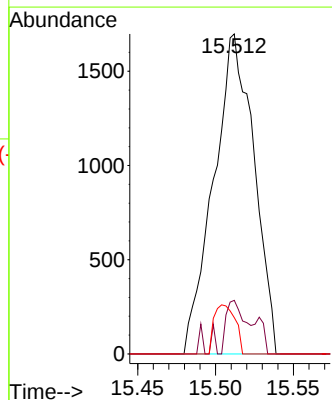
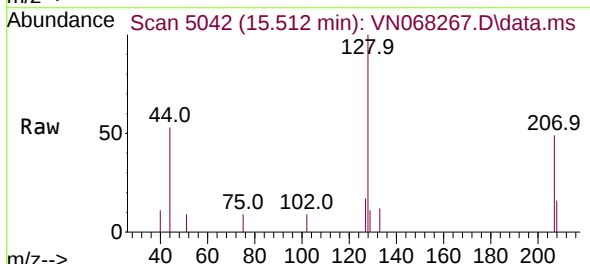
Instrument :
MSVOA_N
ClientSampleId :
PB138634ZHE#05

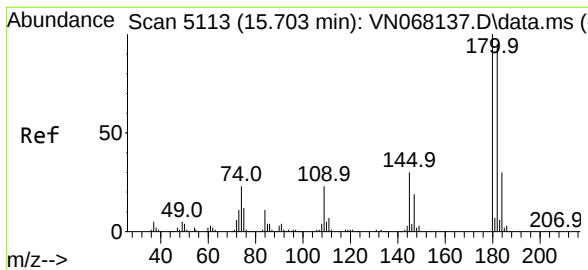
Tgt Ion:180 Resp: 709
Ion Ratio Lower Upper
180 100
182 95.6 47.5 142.5
145 16.6 17.2 51.6#



#95
Naphthalene
Concen: 3.565 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068267.D
Acq: 23 Aug 2021 14:29

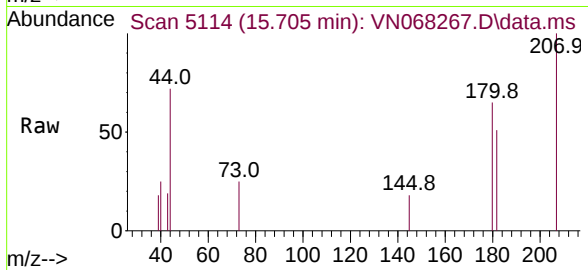
Tgt Ion:128 Resp: 3064
Ion Ratio Lower Upper
128 100
127 7.8 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.947 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.002 min
 Lab File: VN068267.D
 Acq: 23 Aug 2021 14:29

Instrument :
 MSVOA_N
 ClientSampleId :
 PB138634ZHE#05



Tgt Ion:180 Resp: 639
 Ion Ratio Lower Upper
 180 100
 182 131.5 47.8 143.3
 145 13.9 18.2 54.6#

