

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081921\
 Data File : VN068227.D
 Acq On : 19 Aug 2021 19:33
 Operator : JC/MD
 Sample : PB138556ZHE#06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB138556ZHE#06

Quant Time: Aug 20 01:56:05 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)

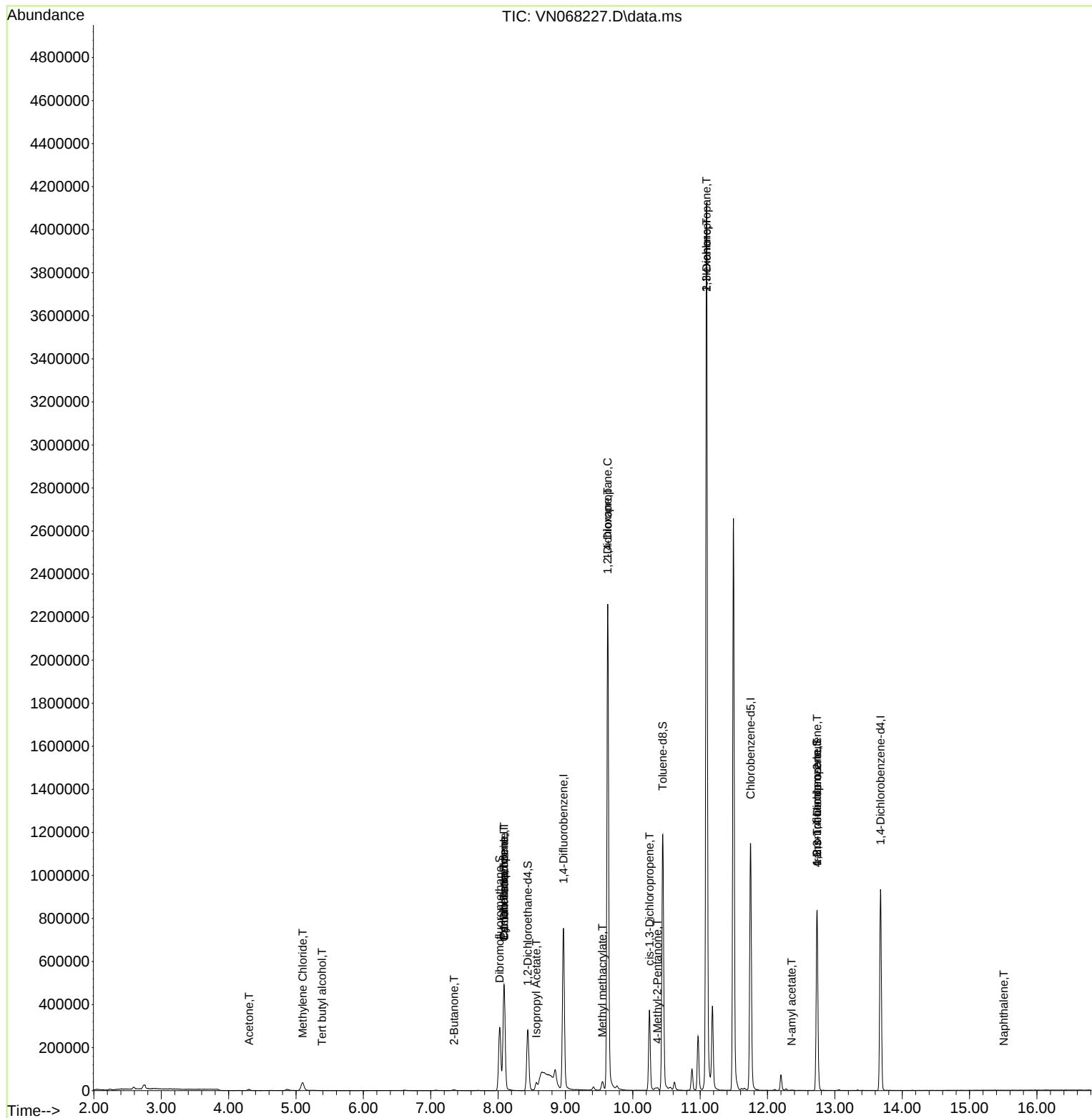
Internal Standards						
1) Pentafluorobenzene	8.088	168	410657	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	719991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	756605	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	281129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	237704	54.212	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.420%			
35) Dibromofluoromethane	8.024	113	219076	48.465	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.920%			
50) Toluene-d8	10.443	98	883564	51.299	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.600%			
62) 4-Bromofluorobenzene	12.733	95	281609	49.114	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.220%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.877	94	1048	Below Cal	#	44
6) Chloroethane	3.011	64	24	Below Cal	#	44
11) Tert butyl alcohol	5.388	59	125	0.229	ug/l #	71
13) Acrolein	3.773	56	58	Below Cal	#	1
16) Acetone	4.301	43	9716	7.589	ug/l	92
20) Methylene Chloride	5.098	84	32416	7.338	ug/l #	76
25) 2-Butanone	7.348	43	5235	2.624	ug/l #	81
31) Cyclohexane	8.088	56	7247	1.255	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	27419	4.659	ug/l #	46
38) Carbon Tetrachloride	8.091	117	38033	5.603	ug/l #	16
43) Isopropyl Acetate	8.568	43	40840	5.085	ug/l #	91
45) 1,2-Dichloropropane	9.625	63	2641	0.625	ug/l #	44
48) Methyl methacrylate	9.547	41	9900	2.958	ug/l #	12
49) 1,4-Dioxane	9.628	88	415	5.130	ug/l #	1
51) 4-Methyl-2-Pentanone	10.365	43	16659	3.377	ug/l #	39
54) cis-1,3-Dichloropropene	10.247	75	72030	10.567	ug/l #	56
57) 1,3-Dichloropropane	11.095	76	47637	6.320	ug/l #	43
59) 2-Hexanone	11.095	43	574914	167.818	ug/l #	58
74) N-amyl acetate	12.358	43	1043	0.200	ug/l #	47
76) 1,2,3-Trichloropropane	12.736	75	146210	31.291	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.736	75	146210	102.513	ug/l #	6
95) Naphthalene	15.507	128	134	3.356	ug/l #	69

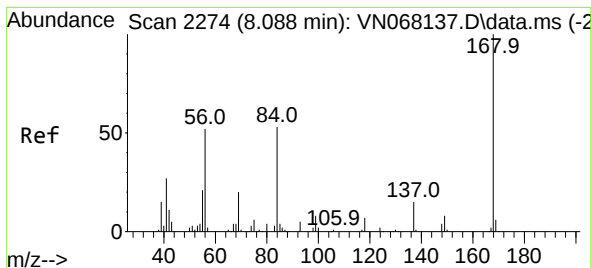
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 20 01:56:05 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068227.D

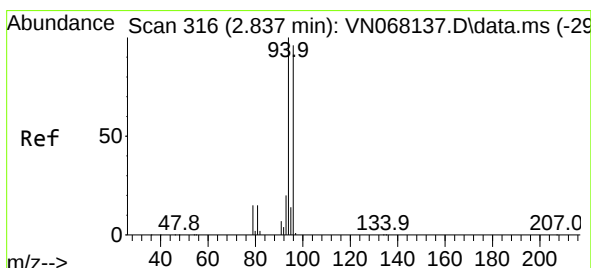
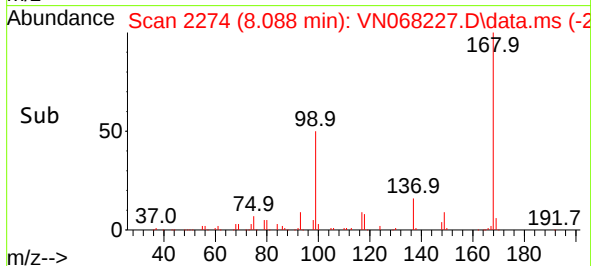
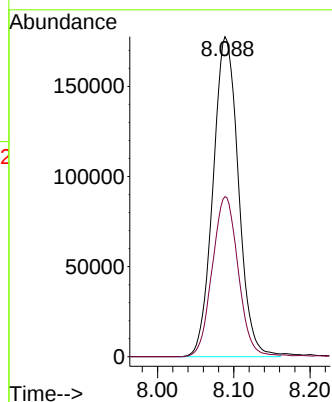
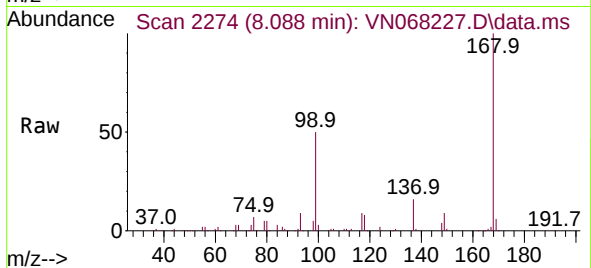
Acq: 19 Aug 2021 19:33

Tgt Ion:168 Resp: 410657

Ion Ratio Lower Upper

168 100

99 50.0 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.877 min Scan# 331

Delta R.T. 0.040 min

Lab File: VN068227.D

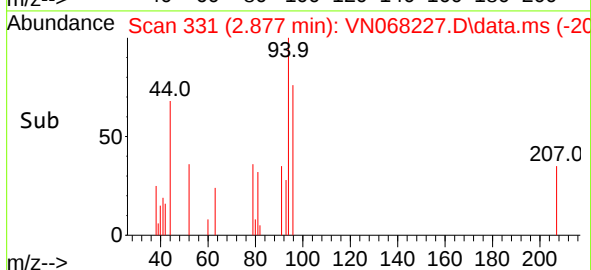
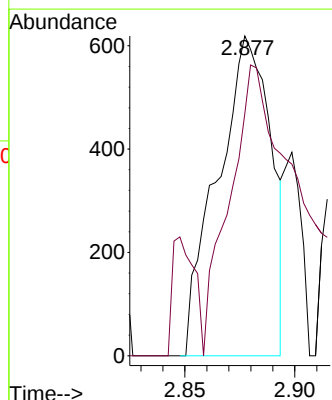
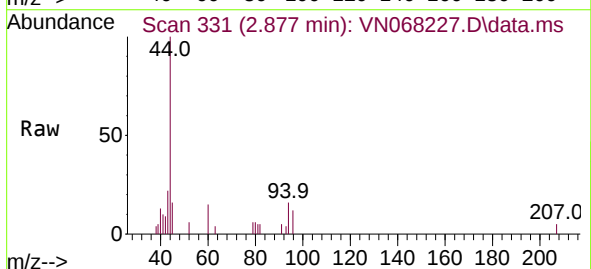
Acq: 19 Aug 2021 19:33

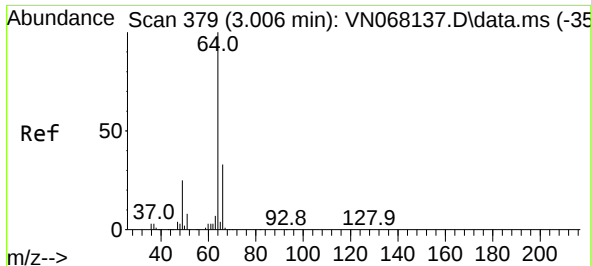
Tgt Ion: 94 Resp: 1048

Ion Ratio Lower Upper

94 100

96 38.6 73.7 110.5#

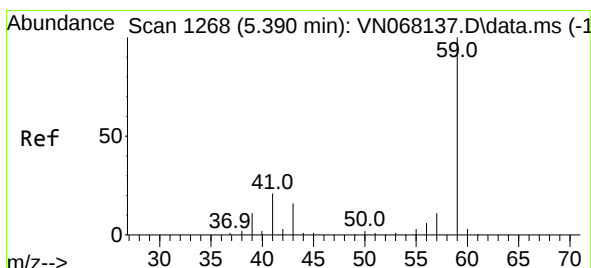
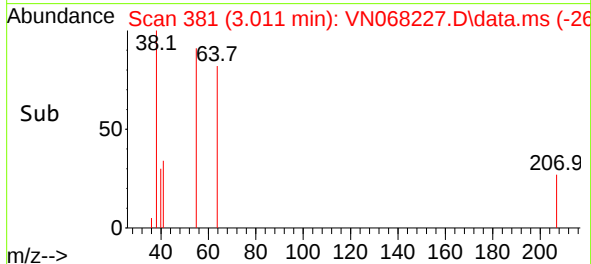
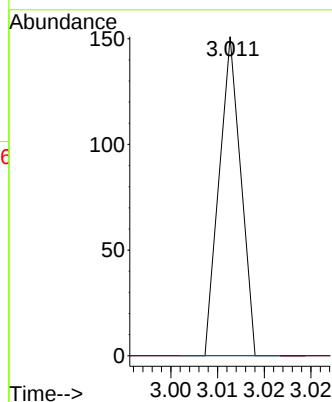
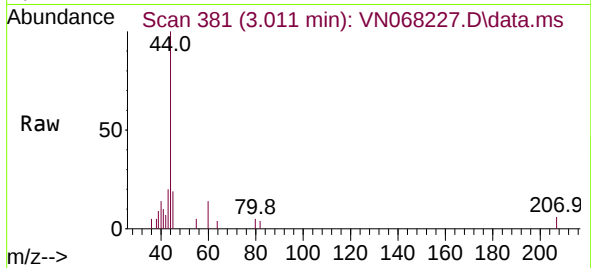




#6
Chloroethane
Concen: Below Cal
RT: 3.011 min Scan# 381
Delta R.T. 0.005 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

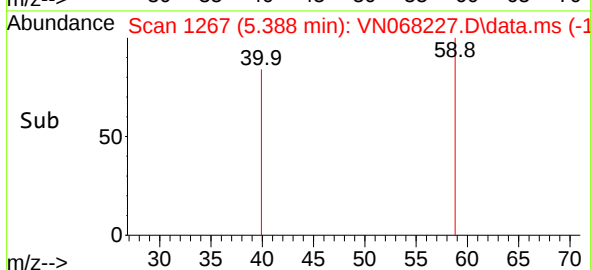
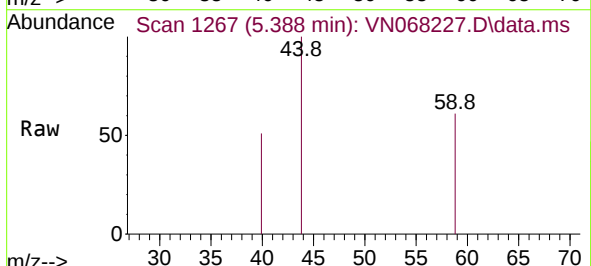
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#06

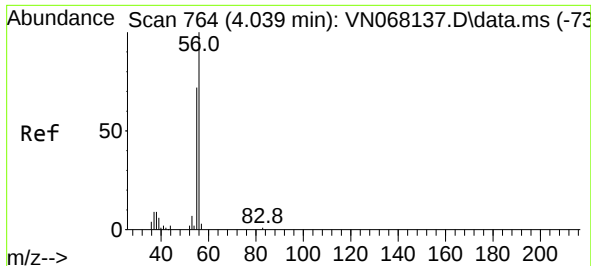
Tgt Ion: 64 Resp: 24
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.229 ug/l
RT: 5.388 min Scan# 1267
Delta R.T. -0.002 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

Tgt Ion: 59 Resp: 125
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

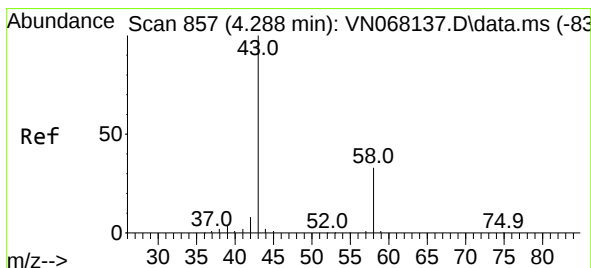
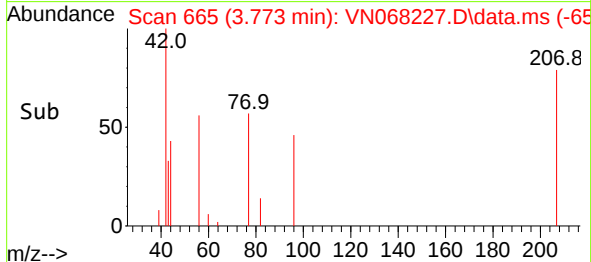
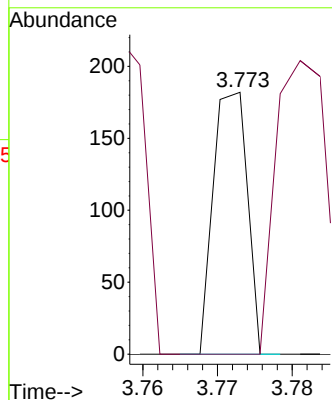
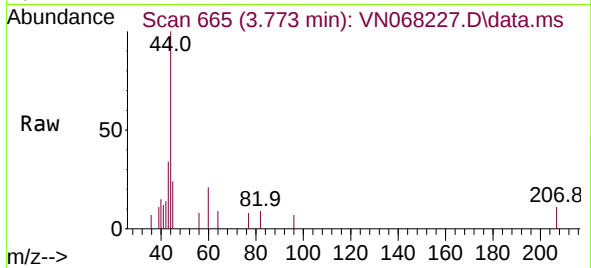




#13
Acrolein
Concen: Below Cal
RT: 3.773 min Scan# 665
Delta R.T. -0.266 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

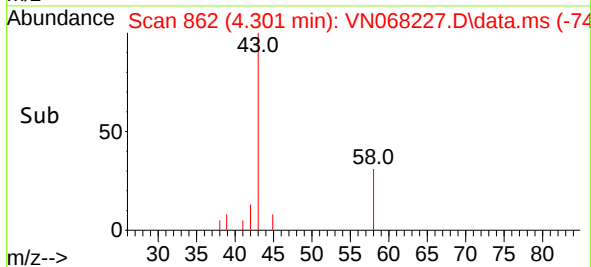
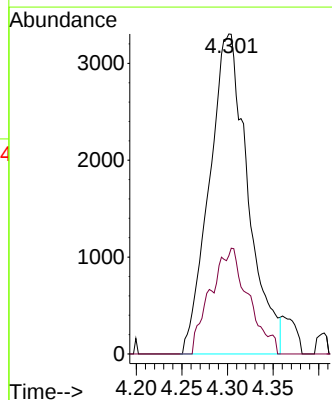
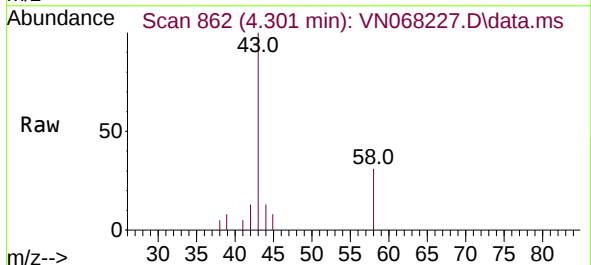
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#06

Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 160.3 57.4 86.0#



#16
Acetone
Concen: 7.589 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.013 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

Tgt Ion: 43 Resp: 9716
Ion Ratio Lower Upper
43 100
58 30.7 21.2 31.8

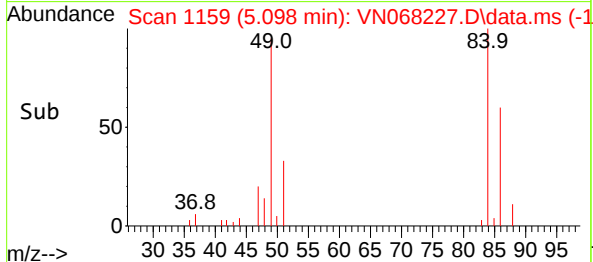
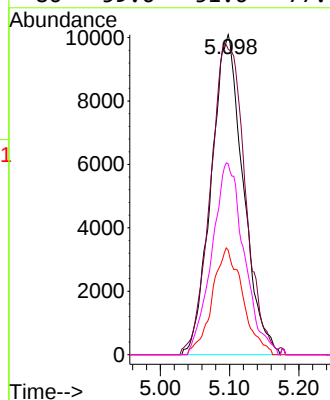
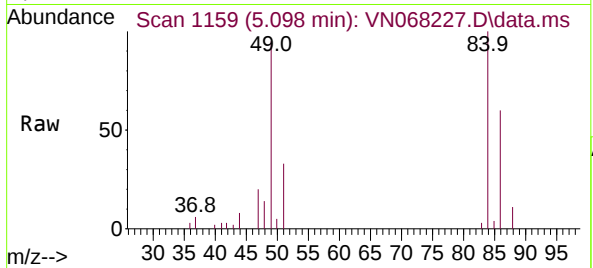




#20
Methylene Chloride
Concen: 7.338 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.005 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

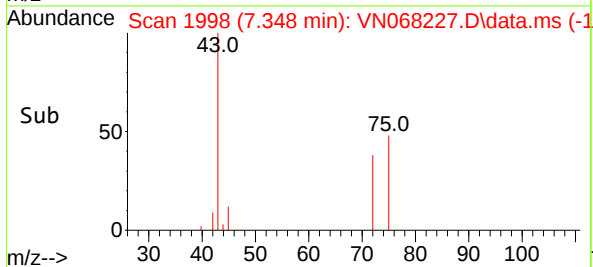
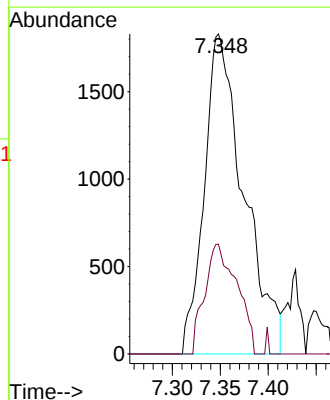
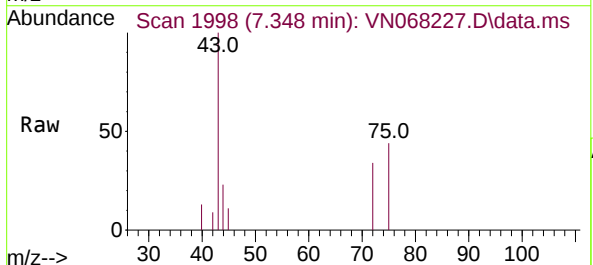
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#06

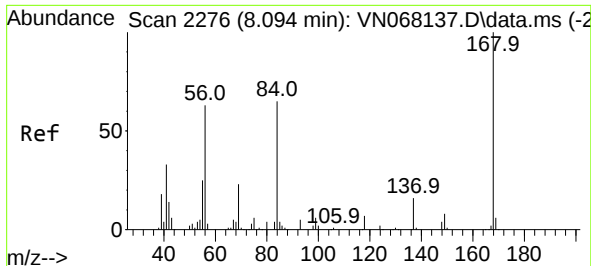
Tgt Ion:	84	Resp:	32416
Ion	Ratio	Lower	Upper
84	100		
49	95.5	110.9	166.3#
51	32.7	32.6	49.0
86	59.6	51.6	77.4



#25
2-Butanone
Concen: 2.624 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.008 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

Tgt Ion:	43	Resp:	5235
Ion	Ratio	Lower	Upper
43	100		
72	34.3	19.7	29.5#

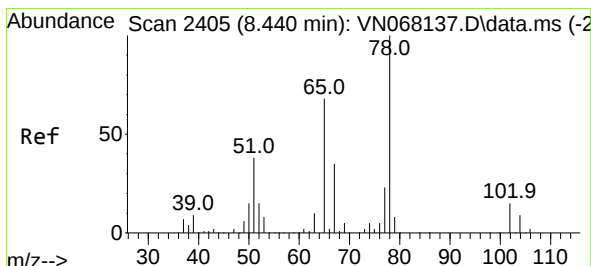
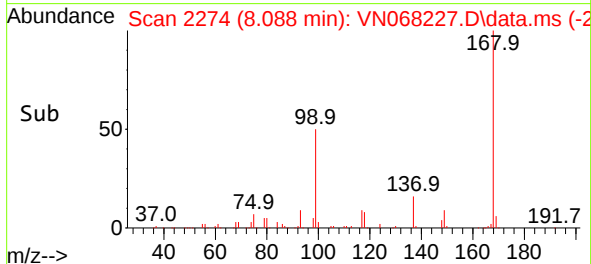
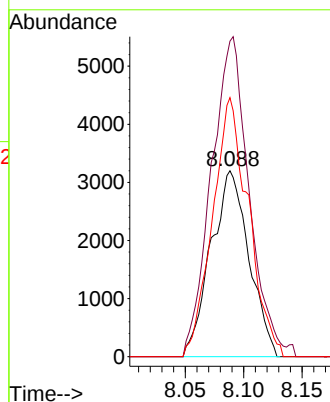
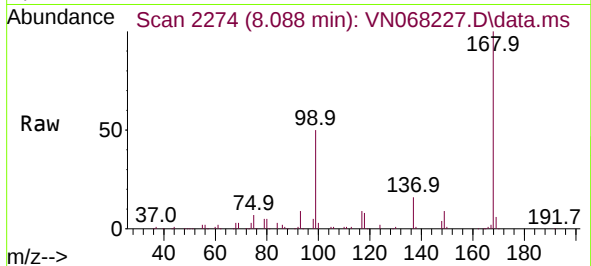




#31
Cyclohexane
Concen: 1.255 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

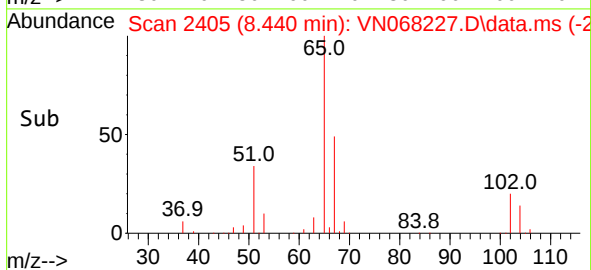
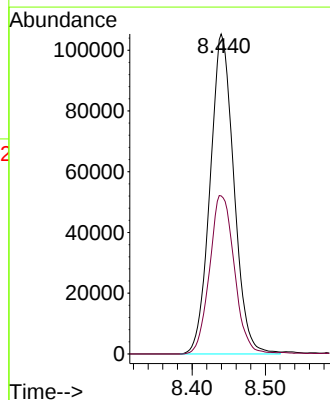
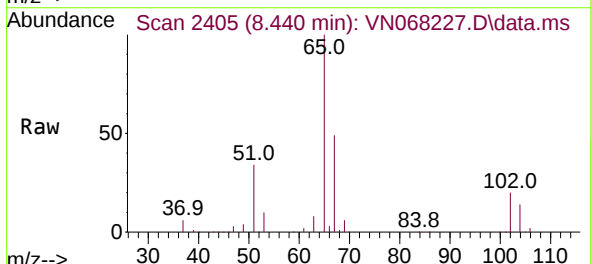
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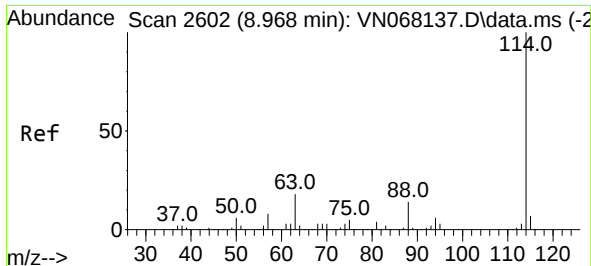
Tgt Ion:	56	Resp:	7247
Ion	Ratio	Lower	Upper
56	100		
69	169.7	27.3	40.9#
84	139.3	64.9	97.3#



#33
1,2-Dichloroethane-d4
Concen: 54.212 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

Tgt Ion:	65	Resp:	237704
Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	98.6

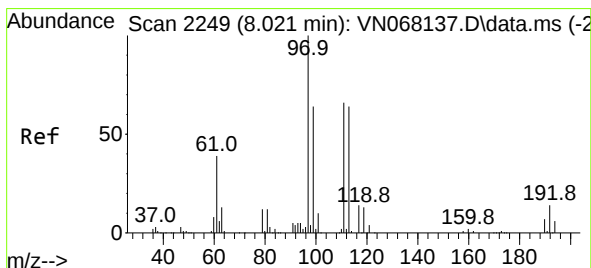
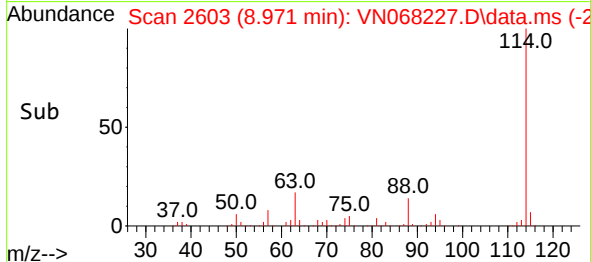
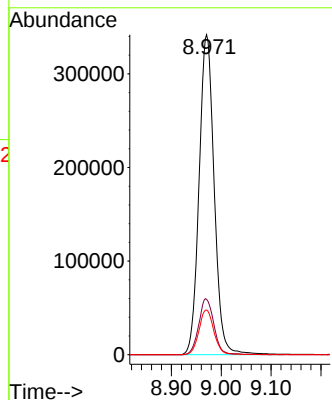
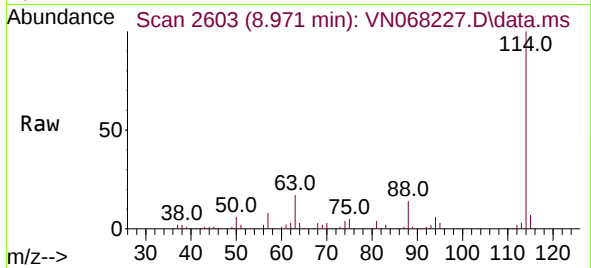




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

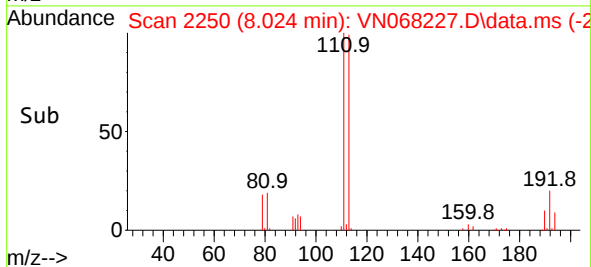
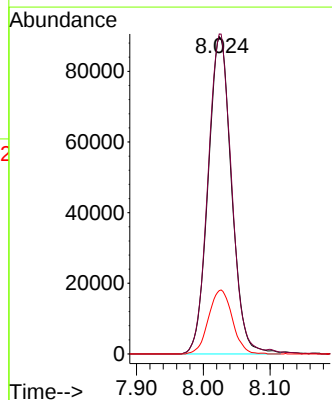
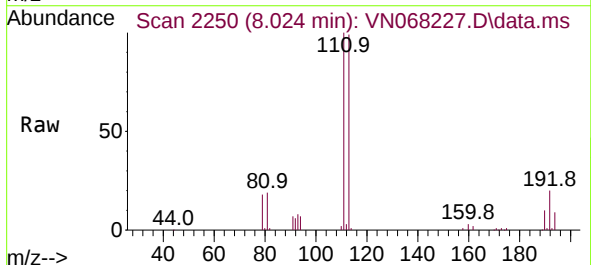
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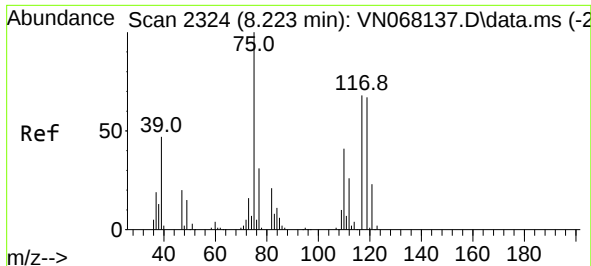
Tgt Ion:114 Resp: 719991
Ion Ratio Lower Upper
114 100
63 17.3 0.0 49.0
88 14.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.465 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

Tgt Ion:113 Resp: 219076
Ion Ratio Lower Upper
113 100
111 100.9 83.8 125.8
192 20.4 13.4 20.0#

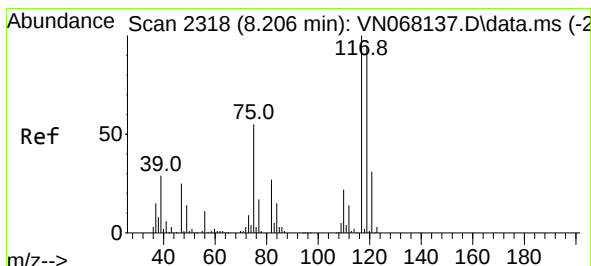
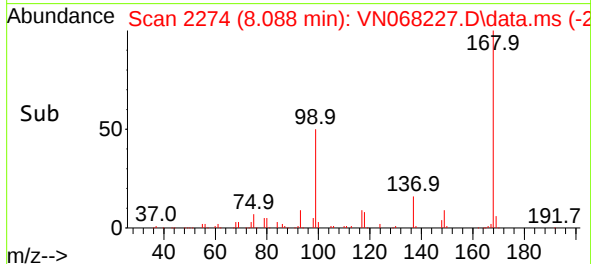
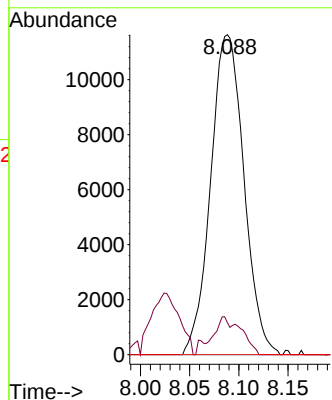
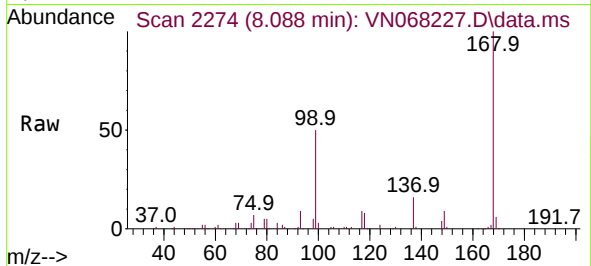




#36
1,1-Dichloropropene
Concen: 4.659 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

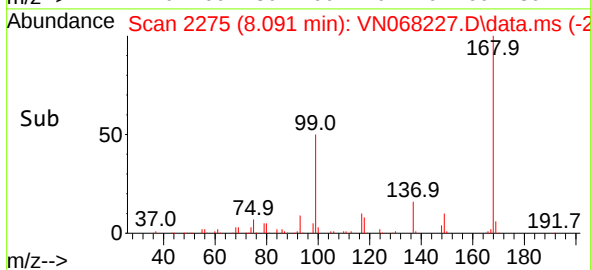
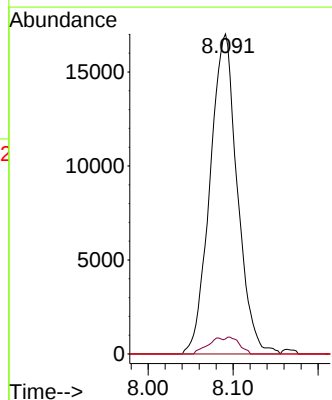
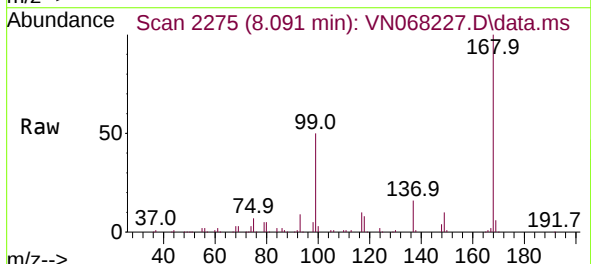
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#06

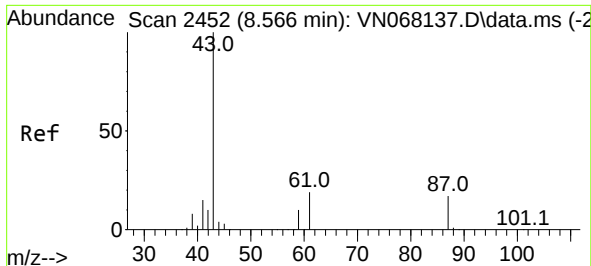
Tgt Ion: 75 Resp: 27419
Ion Ratio Lower Upper
75 100
110 3.0 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.603 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.115 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

Tgt Ion: 117 Resp: 38033
Ion Ratio Lower Upper
117 100
119 4.7 75.4 113.2#
121 0.0 23.5 35.3#

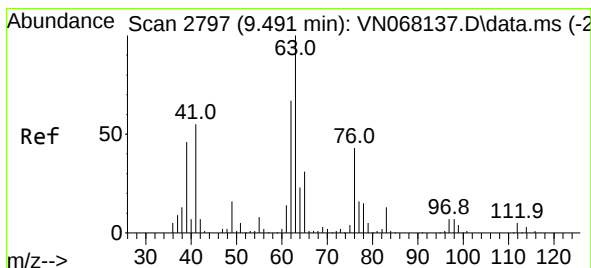
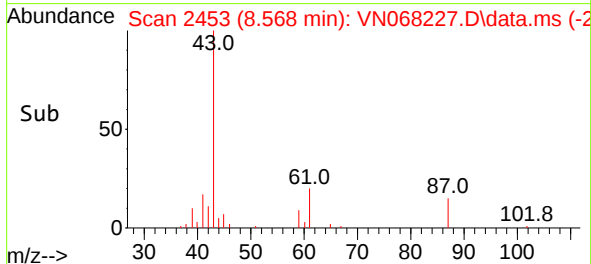
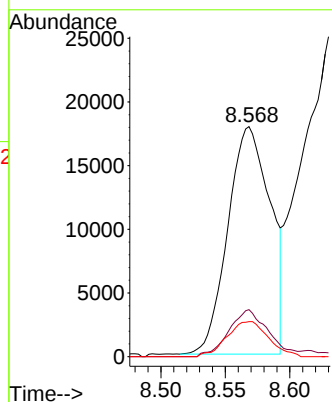
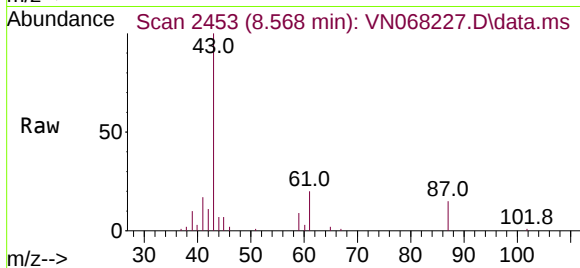




#43
Isopropyl Acetate
Concen: 5.085 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.002 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

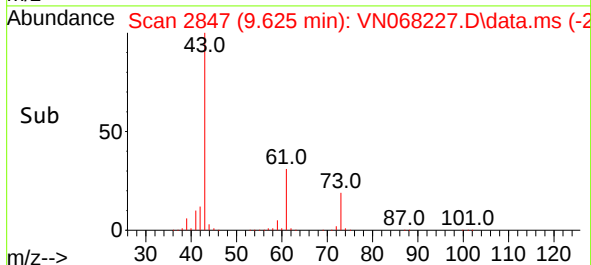
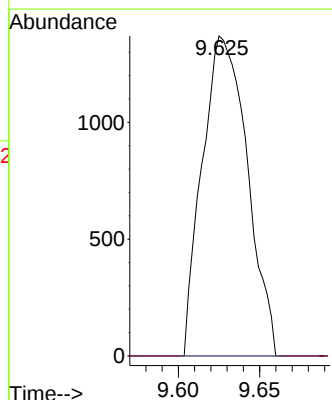
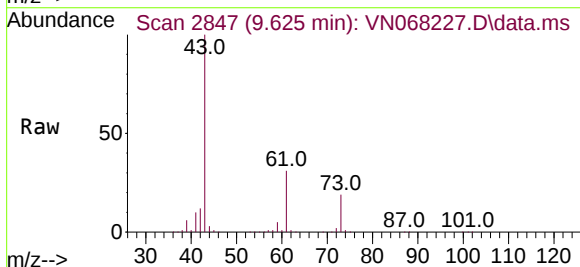
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#06

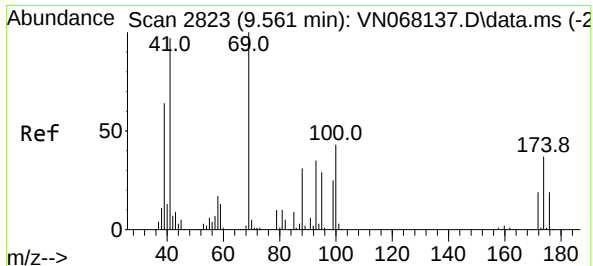
Tgt Ion:	43	Resp:	40840
Ion	Ratio	Lower	Upper
43	100		
61	19.1	19.0	28.4
87	15.1	9.5	14.3



#45
1,2-Dichloropropane
Concen: 0.625 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

Tgt Ion:	63	Resp:	2641
Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.3	36.5

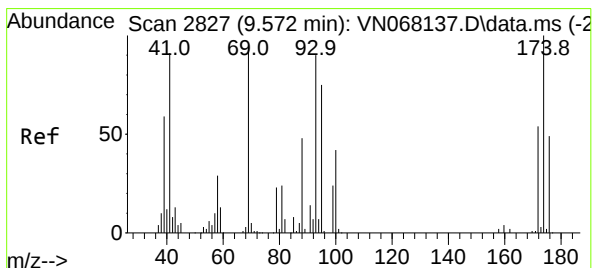
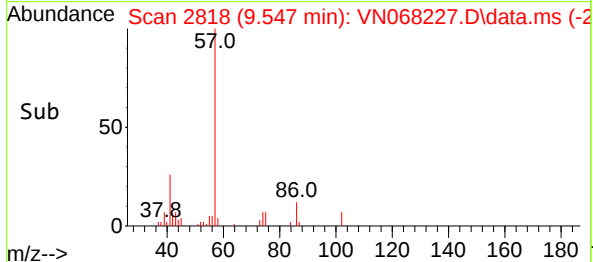
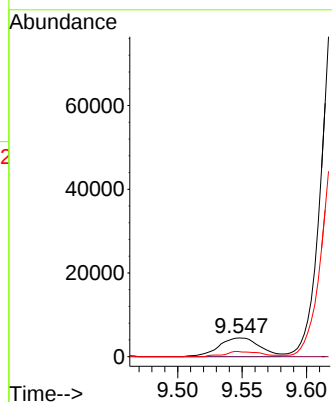
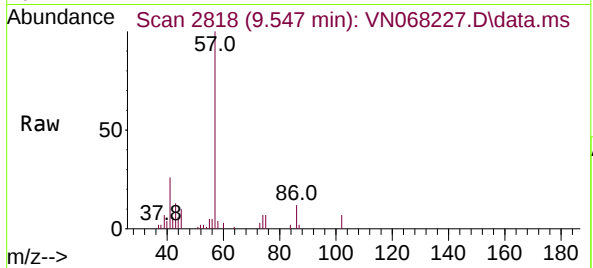




#48
Methyl methacrylate
Concen: 2.958 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

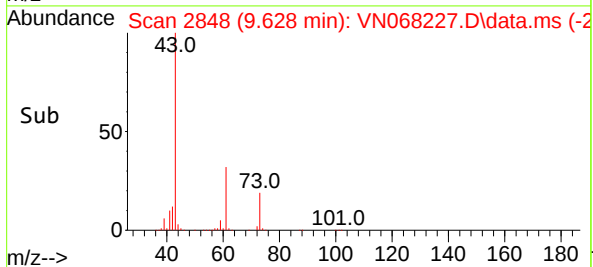
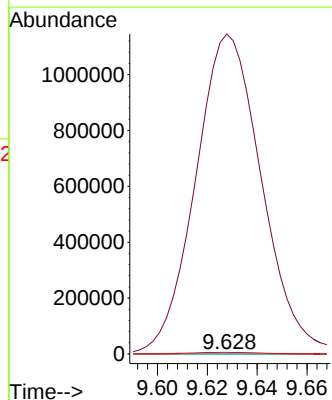
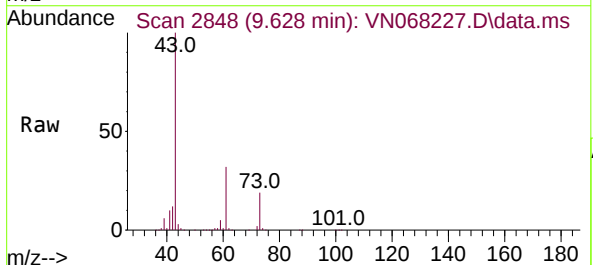
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#06

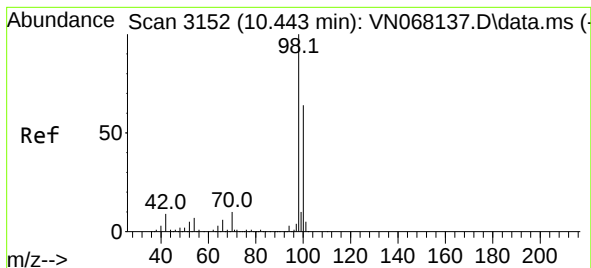
Tgt Ion: 41 Resp: 9900
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 5.130 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.056 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

Tgt Ion: 88 Resp: 415
Ion Ratio Lower Upper
88 100
43 520232.0 28.8 43.2#
58 2830.8 60.4 90.6#

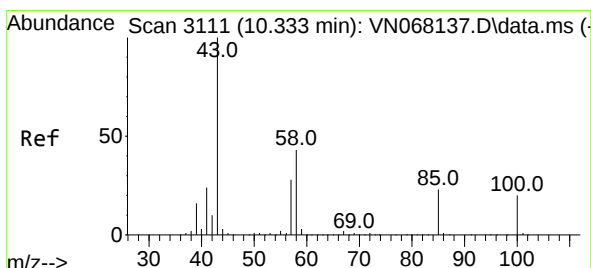
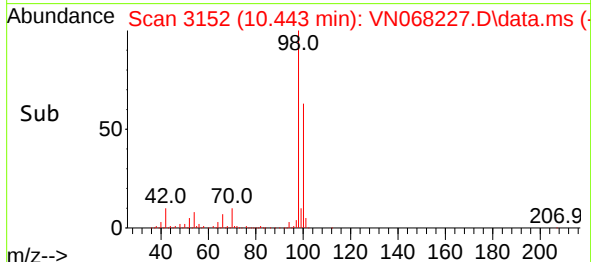
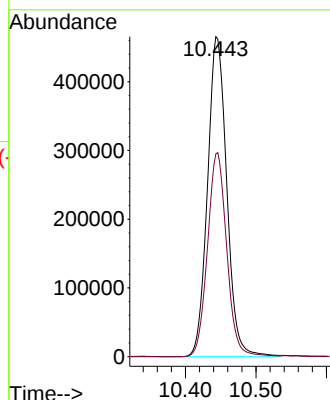
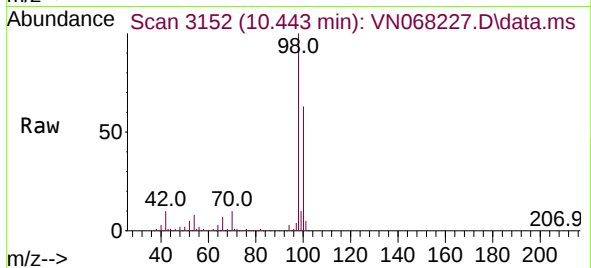




#50
Toluene-d8
Concen: 51.299 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

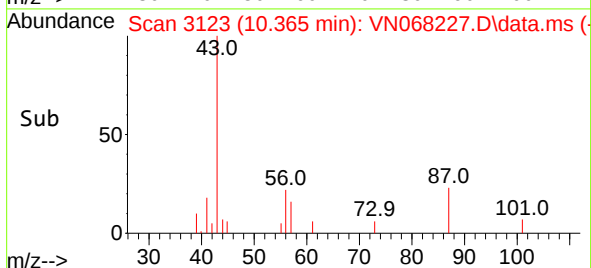
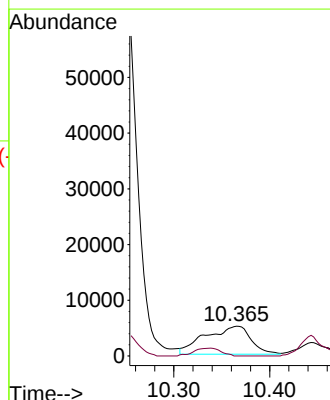
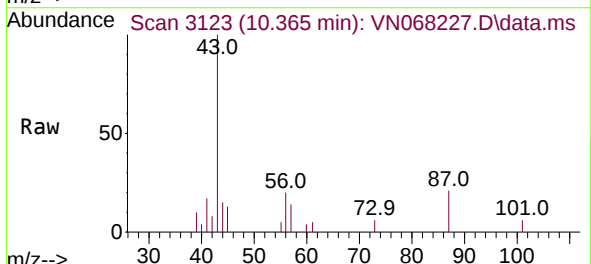
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#06

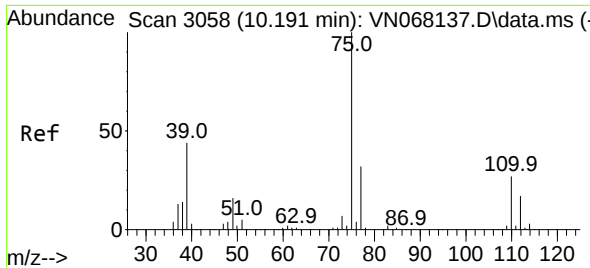
Tgt Ion: 98 Resp: 883564
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 3.377 ug/l
RT: 10.365 min Scan# 3123
Delta R.T. 0.032 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

Tgt Ion: 43 Resp: 16659
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

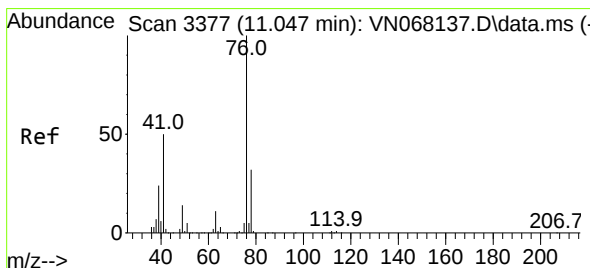
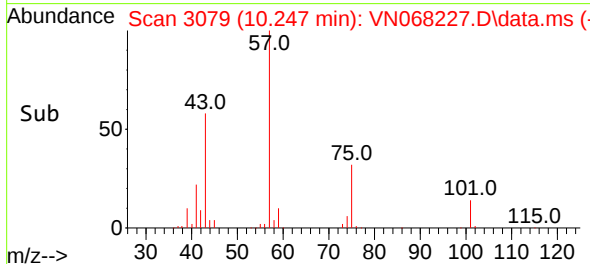
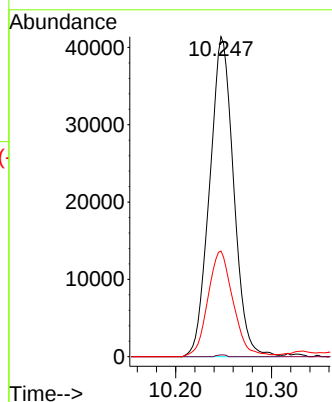
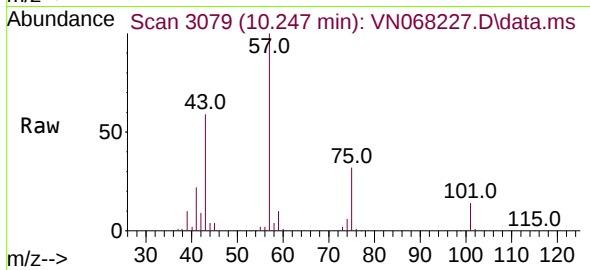




#54
 cis-1,3-Dichloropropene
 Concen: 10.567 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN068227.D
 Acq: 19 Aug 2021 19:33

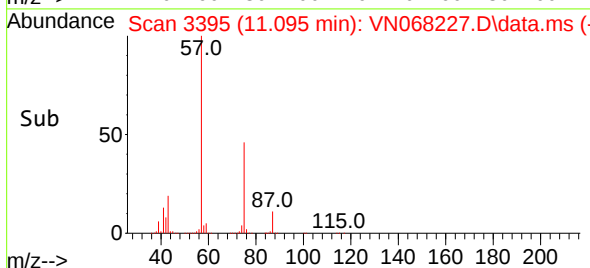
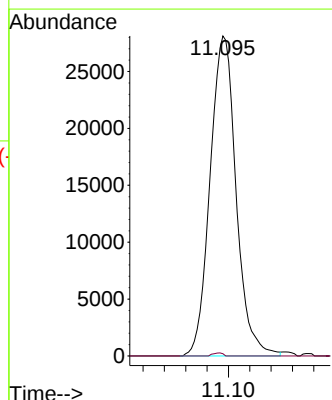
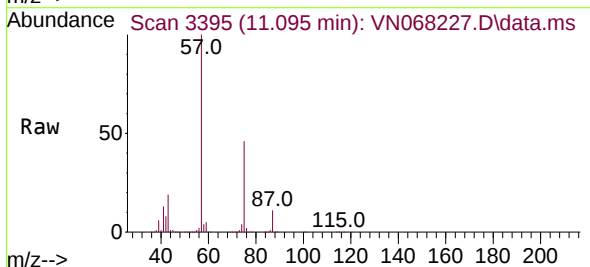
Instrument :
 MSVOA_N
 ClientSampleId :
 PB138556ZHE#06

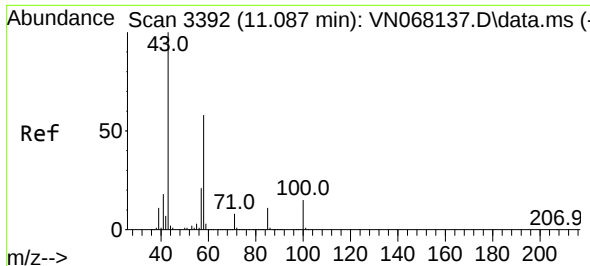
Tgt Ion: 75 Resp: 72030
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.6 37.0#
 39 33.0 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 6.320 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.048 min
 Lab File: VN068227.D
 Acq: 19 Aug 2021 19:33

Tgt Ion: 76 Resp: 47637
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.7 38.5#

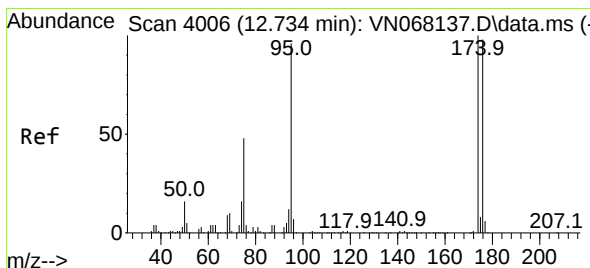
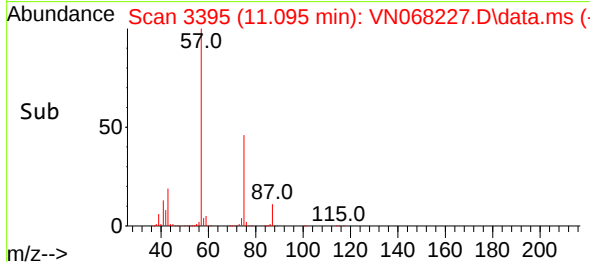
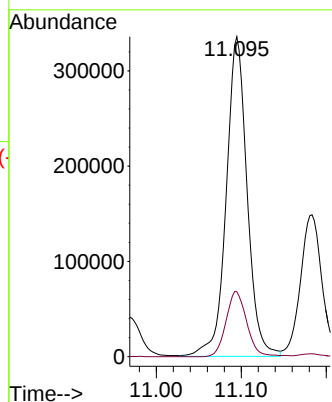
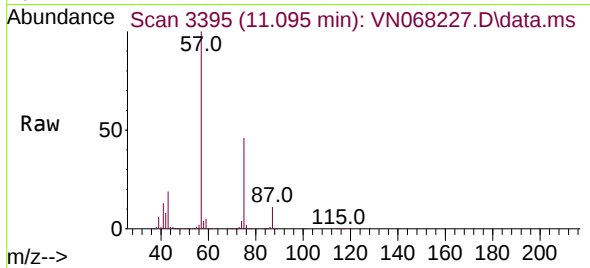




#59
2-Hexanone
Concen: 167.818 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

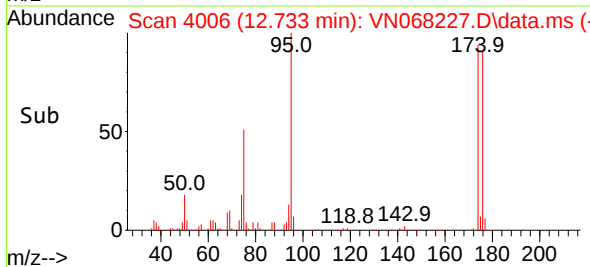
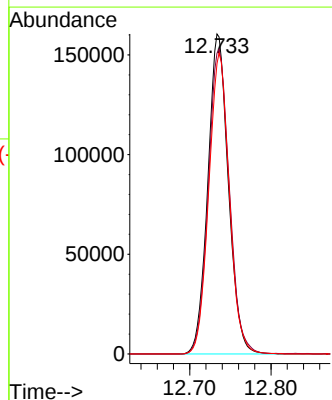
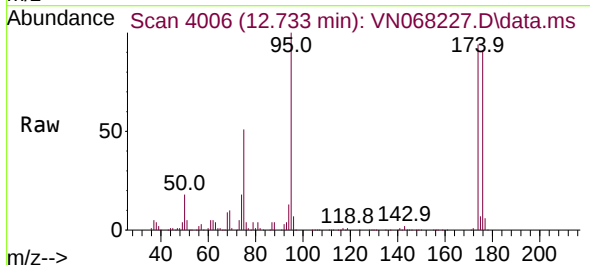
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#06

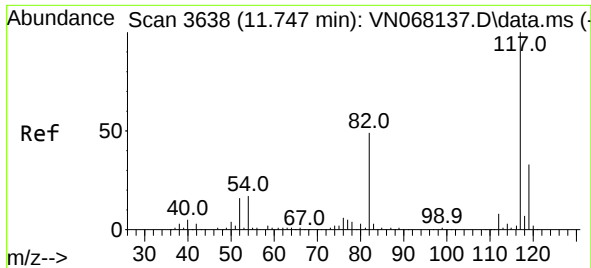
Tgt Ion: 43 Resp: 574914
Ion Ratio Lower Upper
43 100
58 20.3 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 49.114 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

Tgt Ion: 95 Resp: 281609
Ion Ratio Lower Upper
95 100
174 98.0 0.0 122.0
176 93.7 0.0 117.6

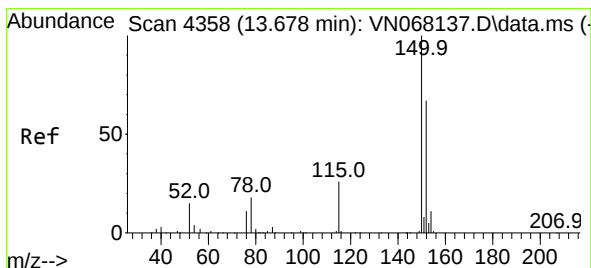
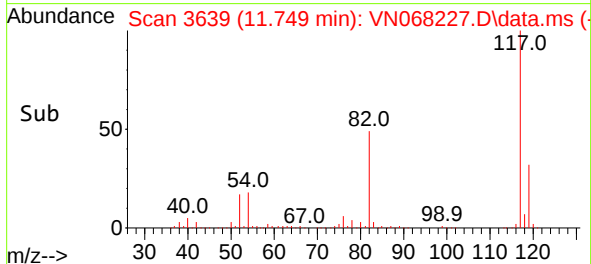
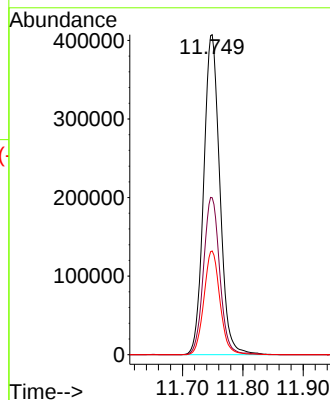
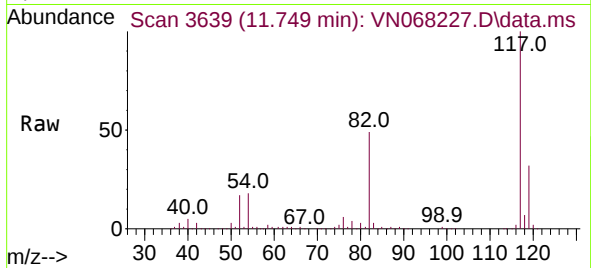




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

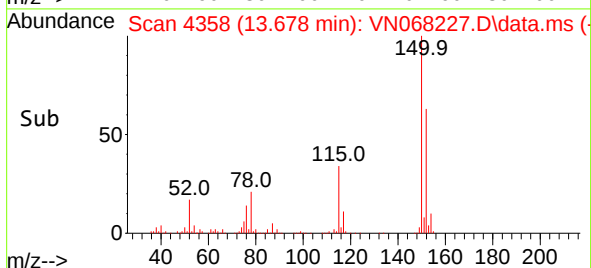
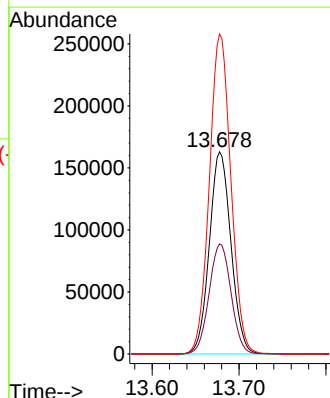
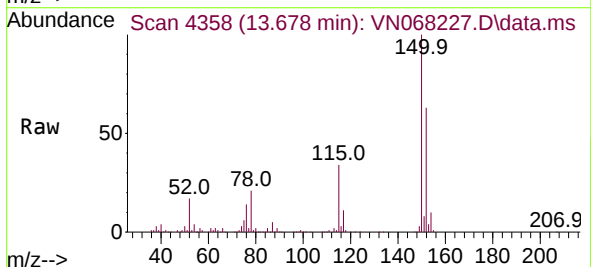
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#06

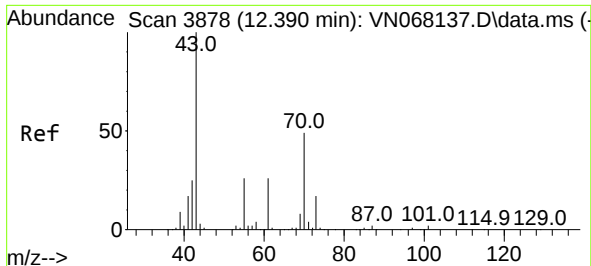
Tgt Ion:117 Resp: 756605
Ion Ratio Lower Upper
117 100
82 49.1 53.1 79.7#
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

Tgt Ion:152 Resp: 281129
Ion Ratio Lower Upper
152 100
115 55.3 36.1 108.5
150 157.8 0.0 351.8

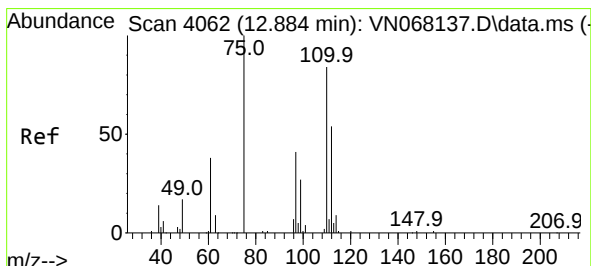
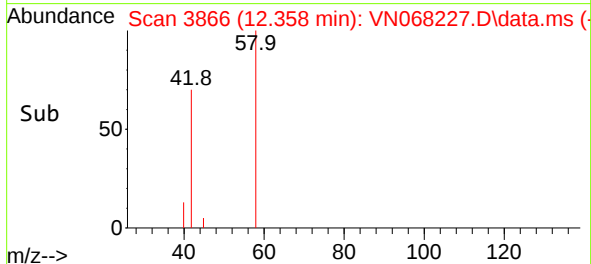
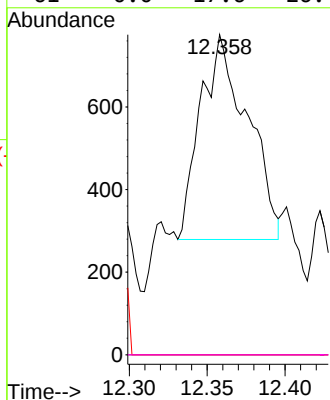
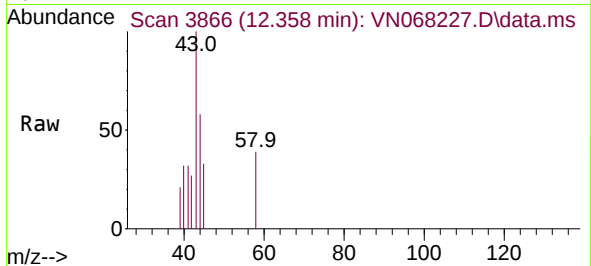




#74
N-amy1 acetate
Concen: 0.200 ug/l
RT: 12.358 min Scan# 3866
Delta R.T. -0.032 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

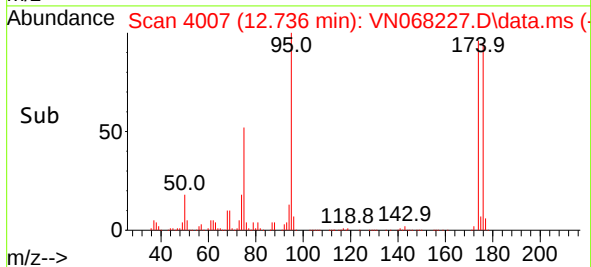
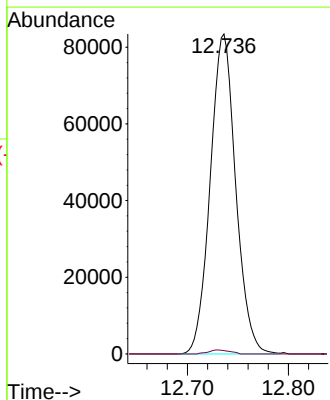
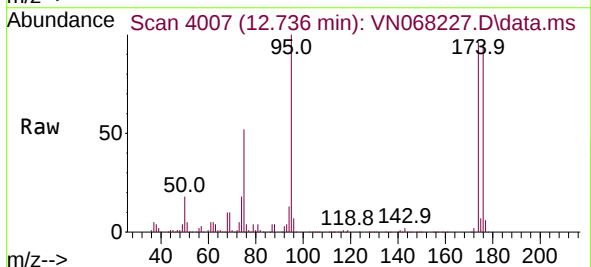
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#06

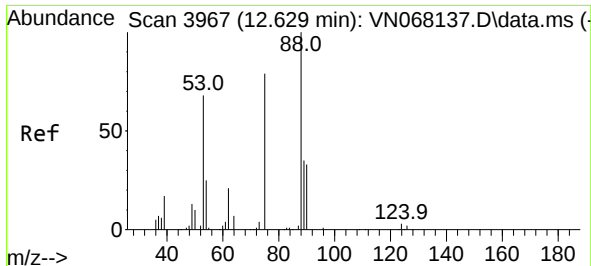
Tgt Ion:	43	Resp:	1043
Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.4	44.2#
55	0.0	17.0	25.4#
61	0.0	17.6	26.4#



#76
1,2,3-Trichloropropane
Concen: 31.291 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

Tgt Ion:	75	Resp:	146210
Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#

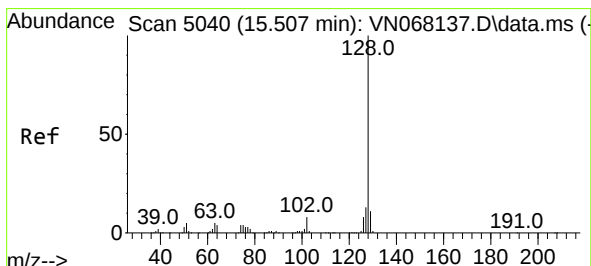
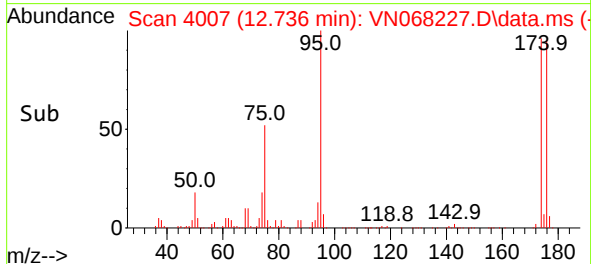
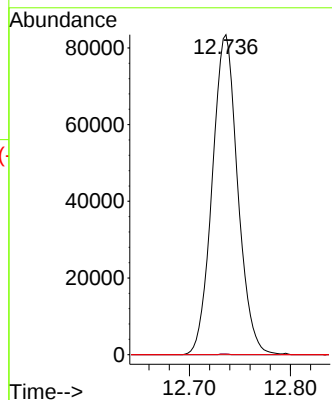
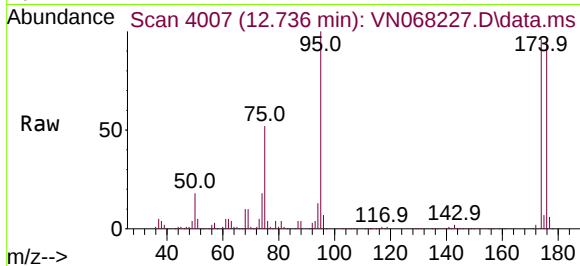




#81
trans-1,4-Dichloro-2-butene
Concen: 102.513 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#06

Tgt Ion: 75 Resp: 146210
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 3.356 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068227.D
Acq: 19 Aug 2021 19:33

Tgt Ion:128 Resp: 134
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

