

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092121\
 Data File : VN068595.D
 Acq On : 21 Sep 2021 20:38
 Operator : JC/MD
 Sample : PB139153ZHE#05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB139153ZHE#05

Quant Time: Sep 22 03:43:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 17 11:02:11 2021
 Response via : Initial Calibration

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

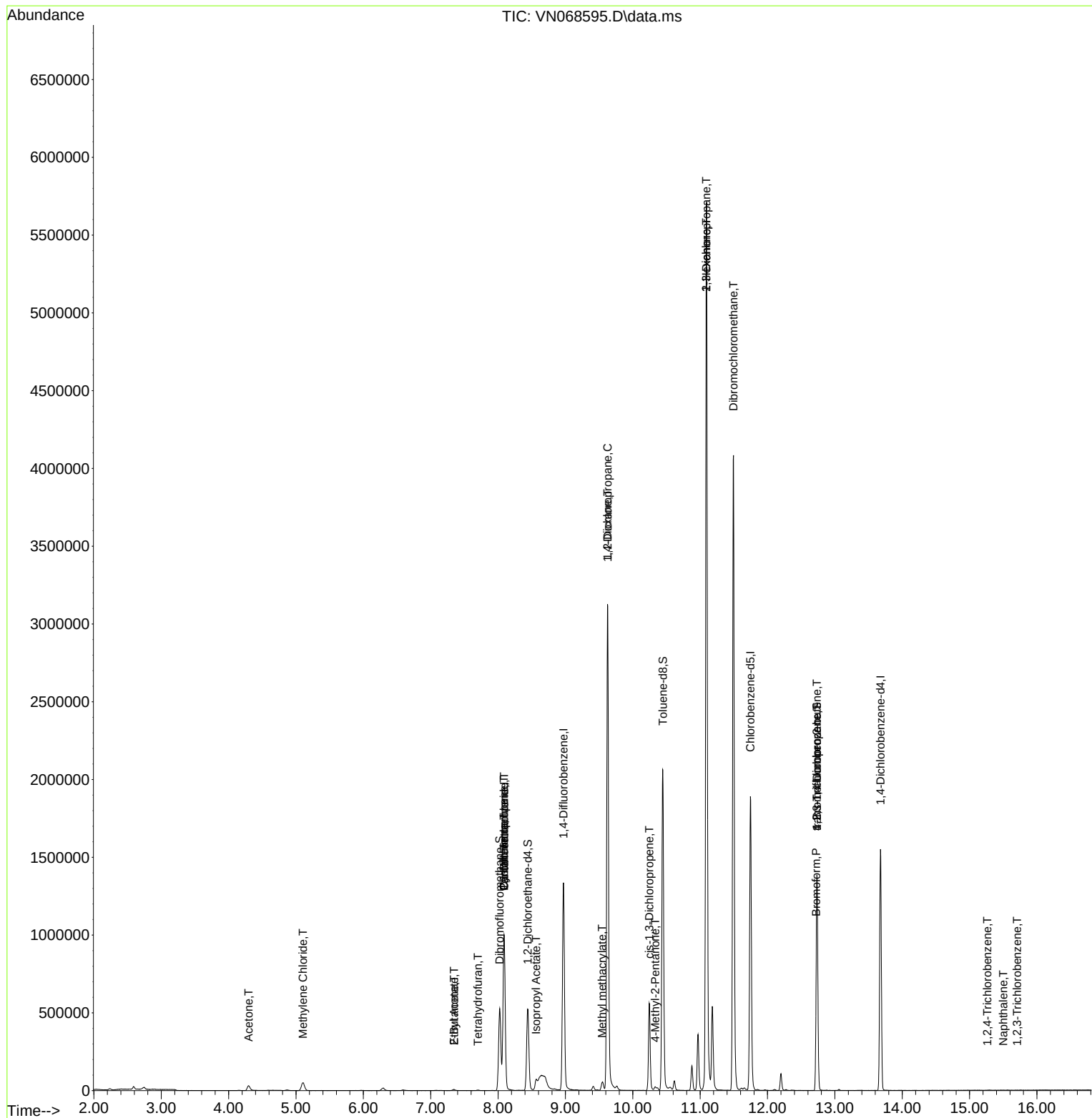
Internal Standards						
1) Pentafluorobenzene	8.091	168	827018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	1257347	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1182438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	456493	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	457642	60.325	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 120.660%			
35) Dibromofluoromethane	8.024	113	382276	50.409	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.820%			
50) Toluene-d8	10.446	98	1500998	48.384	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 96.760%			
62) 4-Bromofluorobenzene	12.734	95	464897	45.732	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 91.460%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	717	Below Cal	#	78
5) Bromomethane	2.832	94	28	Below Cal	#	3
11) Tert butyl alcohol	5.369	59	845	Below Cal	#	84
16) Acetone	4.296	43	59770	19.740	ug/l	93
18) Methyl Acetate	4.867	43	5863	Below Cal		96
20) Methylene Chloride	5.103	84	44611	5.062	ug/l	93
25) 2-Butanone	7.345	43	12689	3.442	ug/l	96
29) Tetrahydrofuran	7.699	42	2493	1.036	ug/l #	63
31) Cyclohexane	8.088	56	15292	1.330	ug/l #	29
36) 1,1-Dichloropropene	8.088	75	55057	5.252	ug/l #	47
37) Ethyl Acetate	7.345	43	12689	1.591	ug/l #	66
38) Carbon Tetrachloride	8.091	117	78312	6.236	ug/l #	16
43) Isopropyl Acetate	8.566	43	81843	5.818	ug/l #	78
45) 1,2-Dichloropropane	9.625	63	4217	0.569	ug/l #	44
48) Methyl methacrylate	9.545	41	13316	2.267	ug/l #	6
49) 1,4-Dioxane	9.628	88	486	3.606	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	10963	1.365	ug/l	89
54) cis-1,3-Dichloropropene	10.245	75	104074	8.761	ug/l #	68
57) 1,3-Dichloropropane	11.092	76	63959	5.080	ug/l #	43
59) 2-Hexanone	11.092	43	871662	162.069	ug/l #	45
60) Dibromochloromethane	11.494	129	747	1.867	ug/l #	11
71) Bromoform	12.723	173	893	2.620	ug/l #	29
76) 1,2,3-Trichloropropane	12.734	75	244222	38.655	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	244222	118.566	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.263	180	167	2.978	ug/l #	12
95) Naphthalene	15.501	128	251	3.509	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.705	180	83	2.984	ug/l #	85

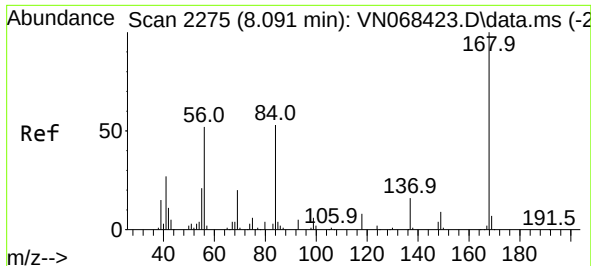
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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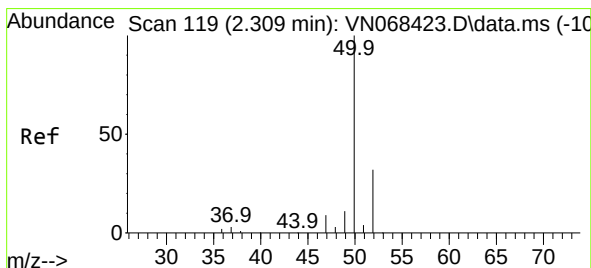
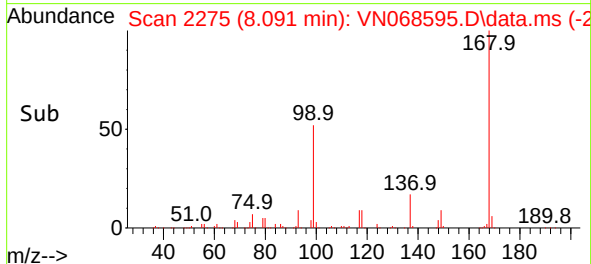
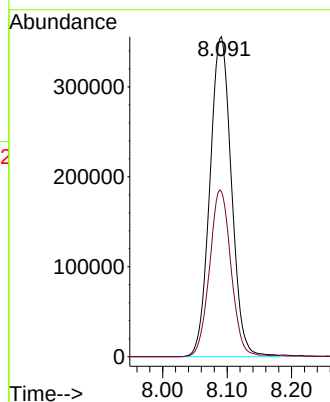
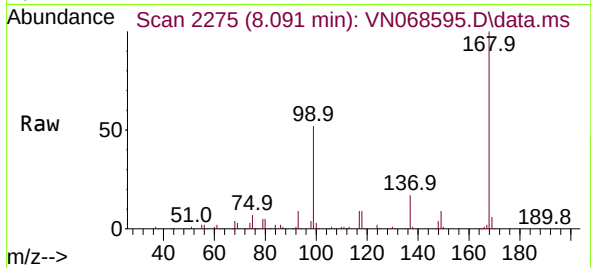




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.000 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

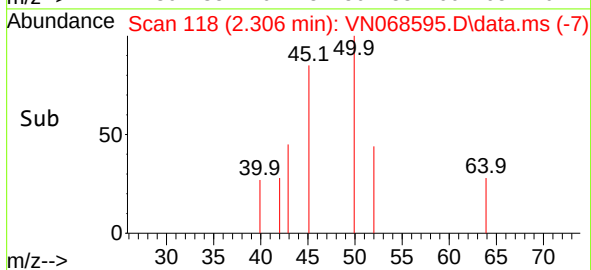
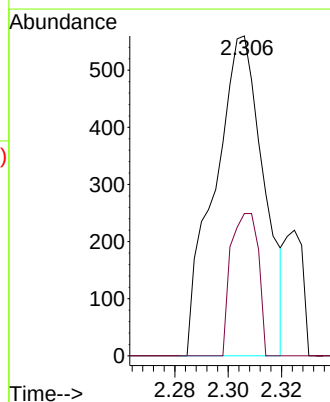
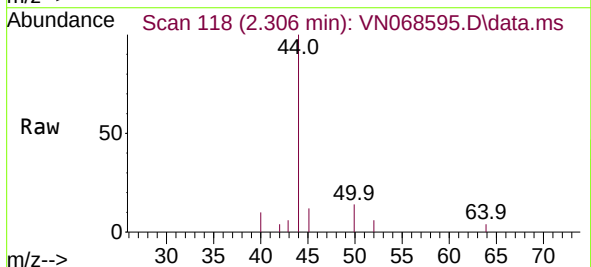
Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#05

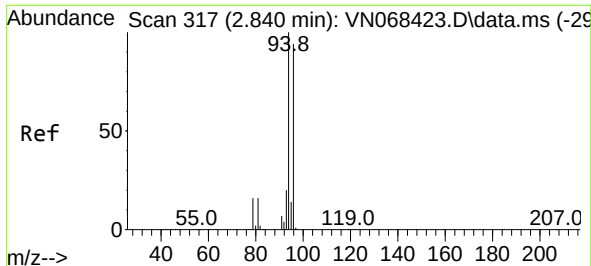
Tgt Ion:168 Resp: 827018
Ion Ratio Lower Upper
168 100
99 51.6 38.2 57.4



#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. -0.003 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

Tgt Ion: 50 Resp: 717
Ion Ratio Lower Upper
50 100
52 44.5 25.8 38.6#

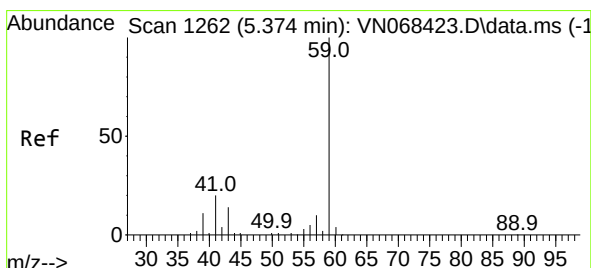
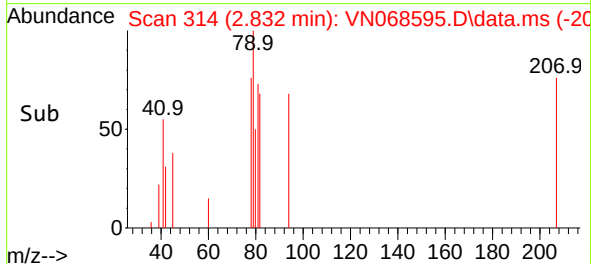
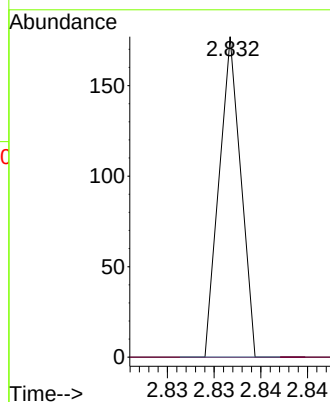
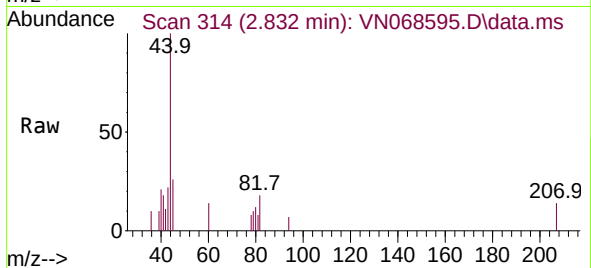




#5
Bromomethane
Concen: Below Cal
RT: 2.832 min Scan# 314
Delta R.T. -0.008 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

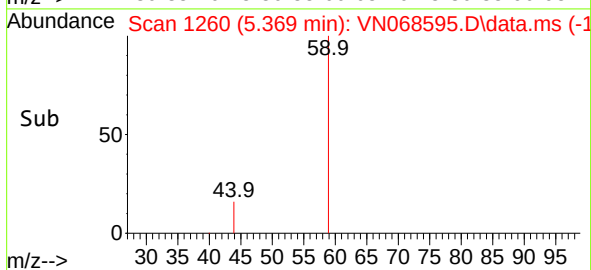
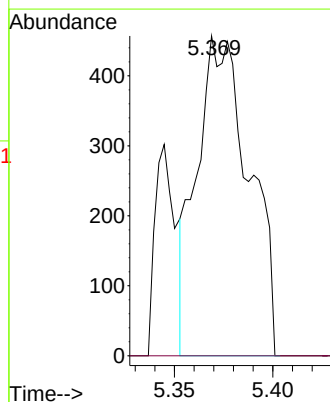
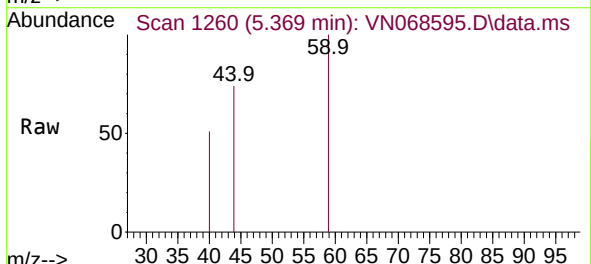
Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#05

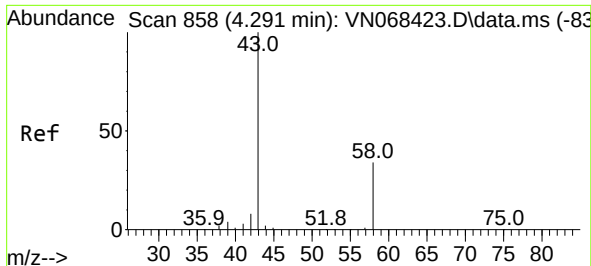
Tgt Ion: 94 Resp: 28
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.369 min Scan# 1260
Delta R.T. -0.005 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

Tgt Ion: 59 Resp: 845
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

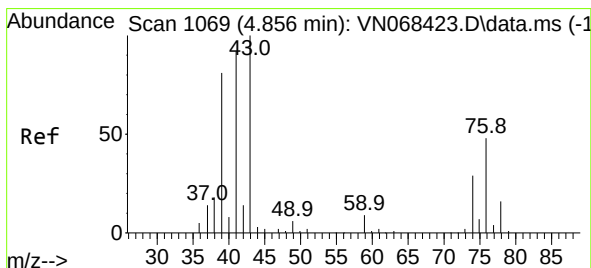
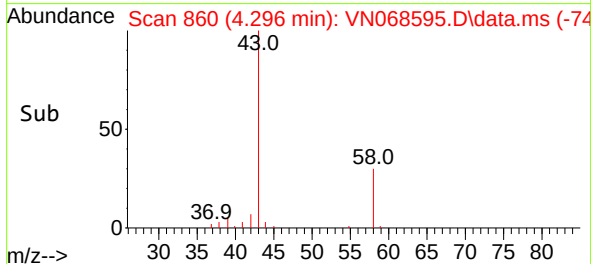
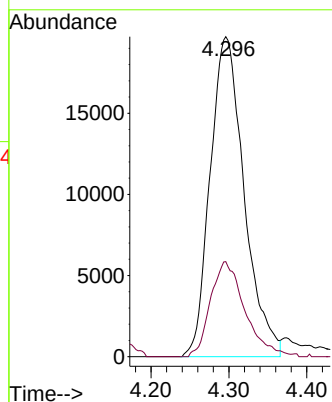
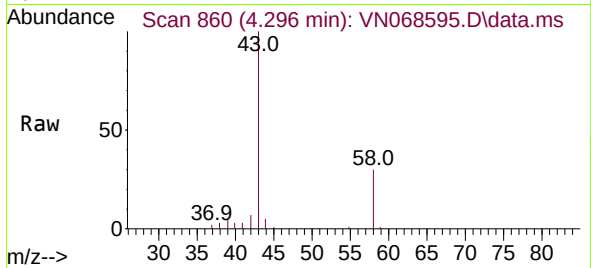




#16
Acetone
Concen: 19.740 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

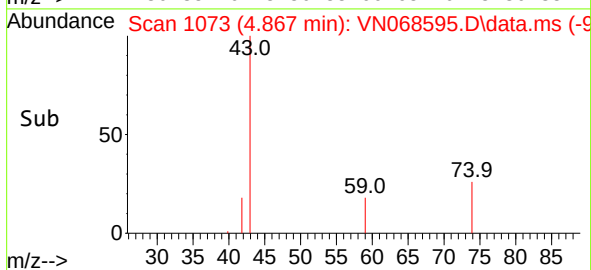
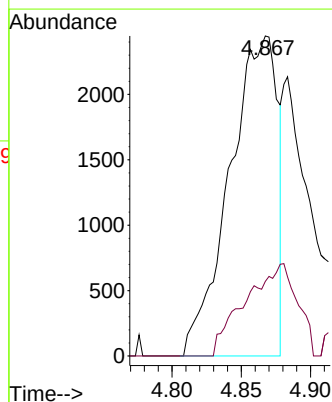
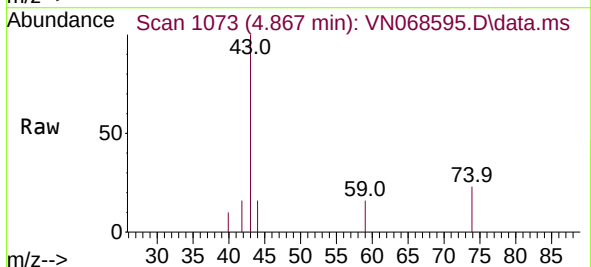
Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#05

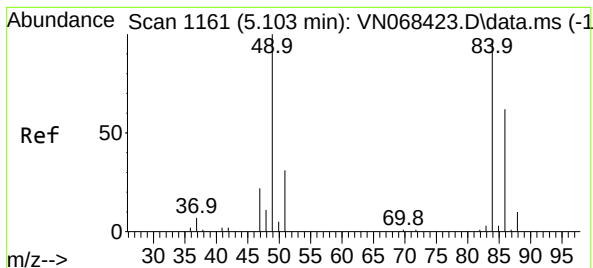
Tgt Ion: 43 Resp: 59770
Ion Ratio Lower Upper
43 100
58 29.7 27.0 40.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.867 min Scan# 1073
Delta R.T. 0.011 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

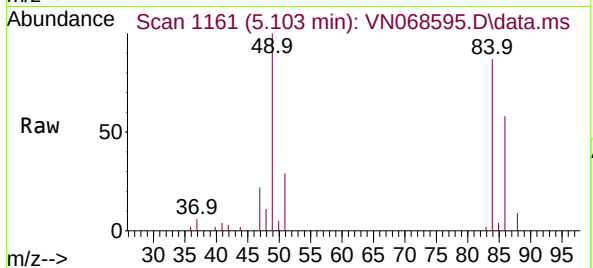
Tgt Ion: 43 Resp: 5863
Ion Ratio Lower Upper
43 100
74 31.4 23.5 35.3



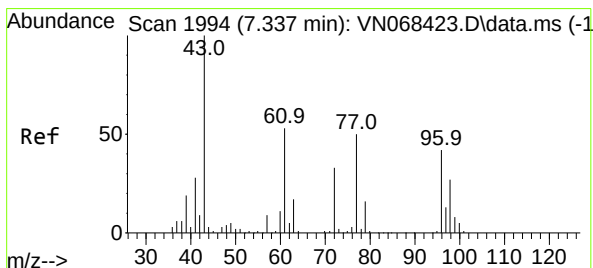
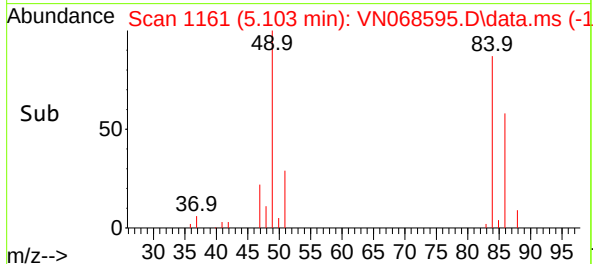
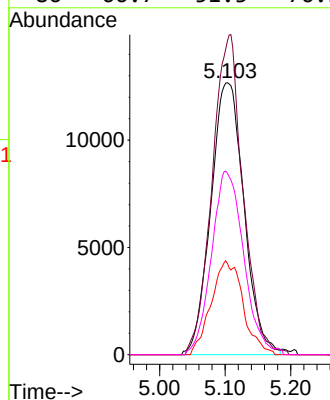


#20
Methylene Chloride
Concen: 5.062 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.000 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#05

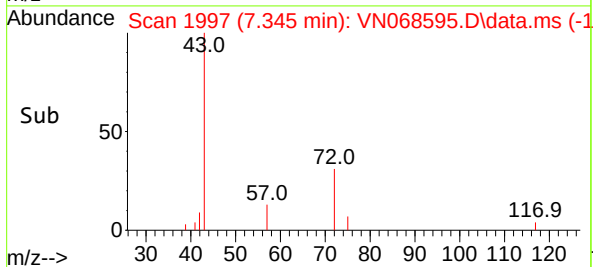
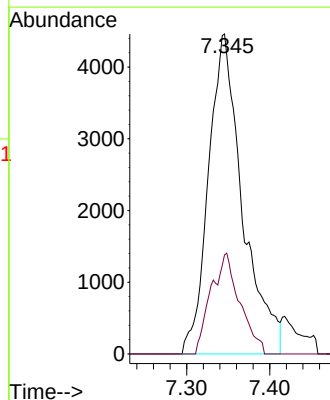
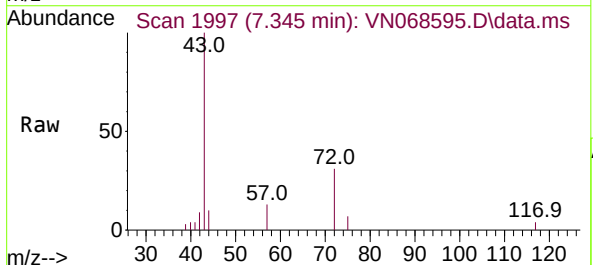


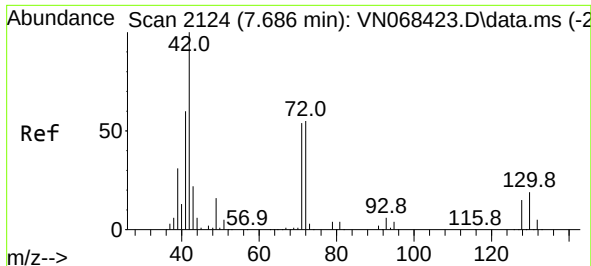
Tgt Ion:	84	Resp:	44611
Ion	Ratio	Lower	Upper
84	100		
49	115.3	83.0	124.6
51	33.6	25.4	38.0
86	66.7	51.3	76.9



#25
2-Butanone
Concen: 3.442 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.008 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

Tgt Ion:	43	Resp:	12689
Ion	Ratio	Lower	Upper
43	100		
72	31.0	26.7	40.1





#29

Tetrahydrofuran

Concen: 1.036 ug/l

RT: 7.699 min Scan# 2129

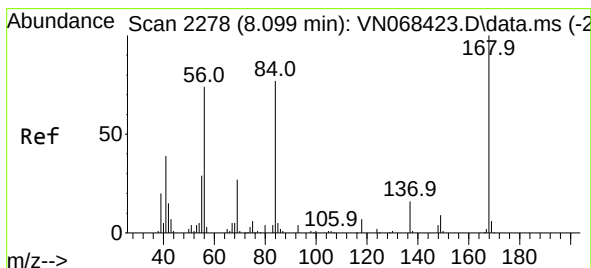
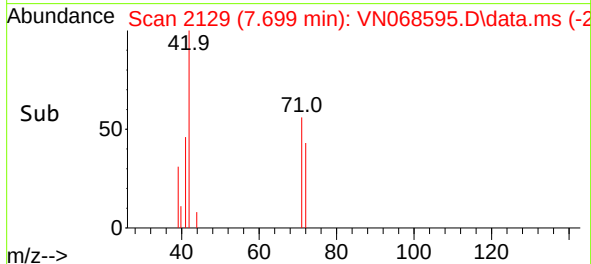
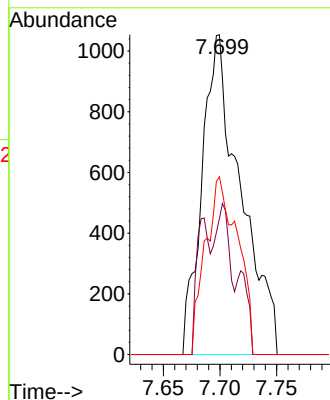
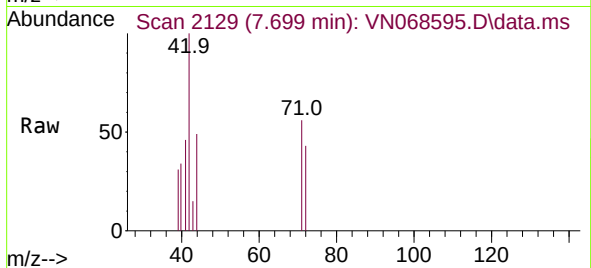
Delta R.T. 0.013 min

Lab File: VN068595.D

Acq: 21 Sep 2021 20:38

Tgt Ion: 42 Resp: 2493

Ion	Ratio	Lower	Upper
42	100		
72	9.9	44.4	66.6#
71	46.5	42.3	63.5



#31

Cyclohexane

Concen: 1.330 ug/l

RT: 8.088 min Scan# 2274

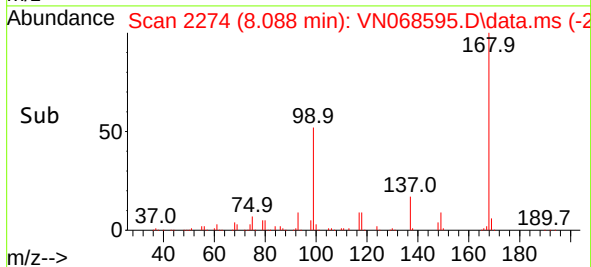
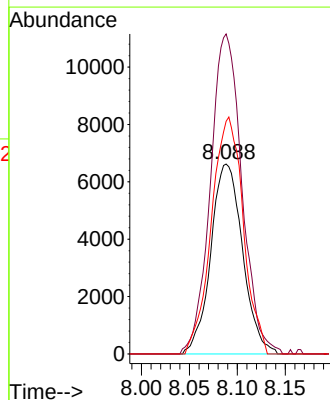
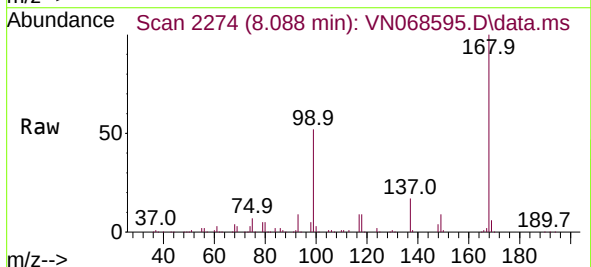
Delta R.T. -0.011 min

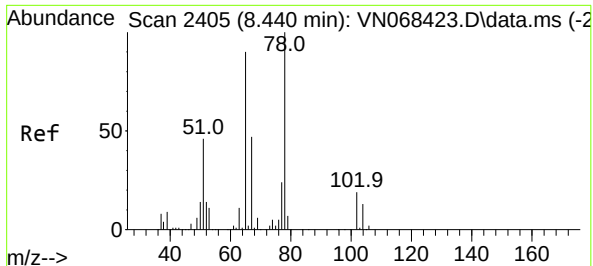
Lab File: VN068595.D

Acq: 21 Sep 2021 20:38

Tgt Ion: 56 Resp: 15292

Ion	Ratio	Lower	Upper
56	100		
69	168.4	29.4	44.0#
84	122.5	83.6	125.4



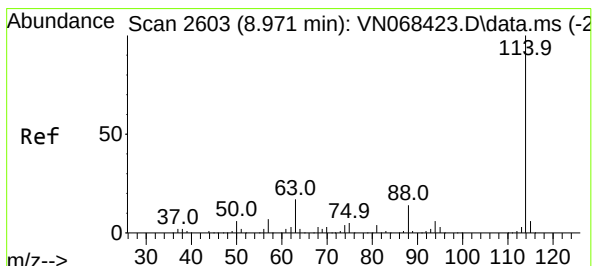
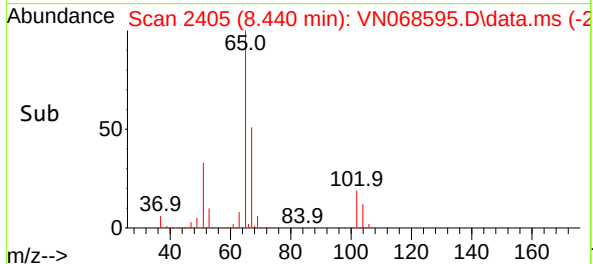
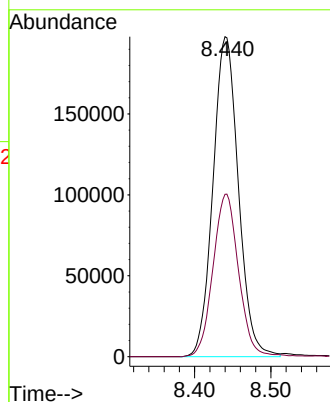
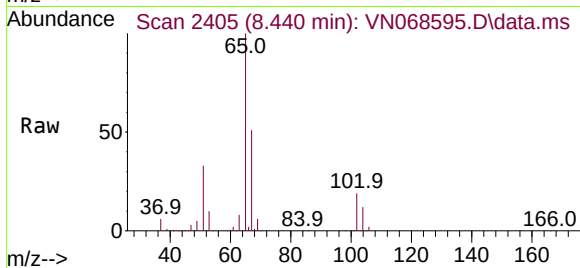


#33

1,2-Dichloroethane-d4
Concen: 60.325 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

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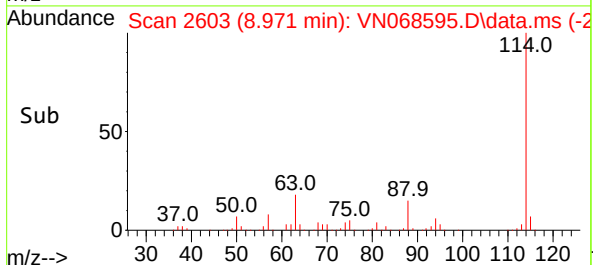
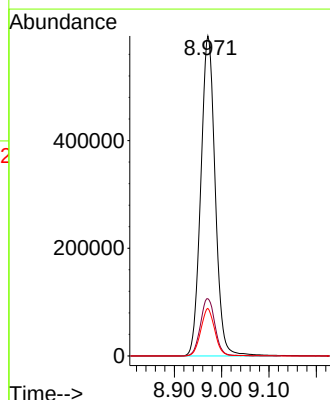
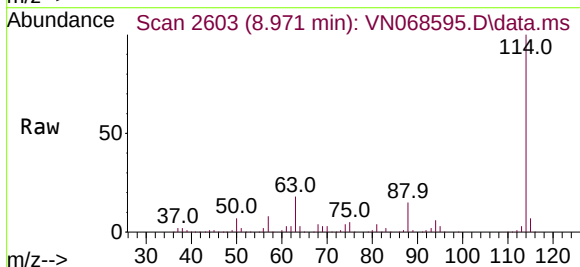
Tgt Ion: 65 Resp: 457642
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.0

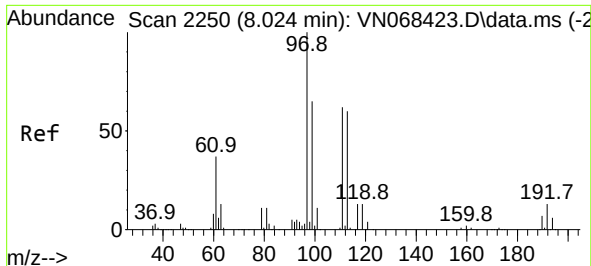


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

Tgt Ion: 114 Resp: 1257347
Ion Ratio Lower Upper
114 100
63 17.9 0.0 33.2
88 14.8 0.0 28.4

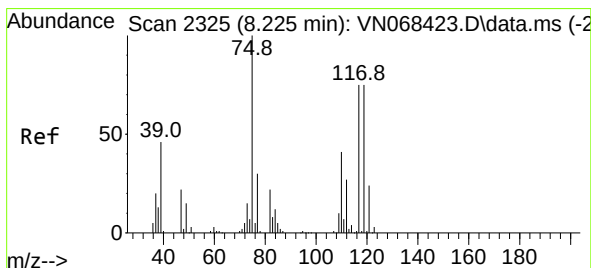
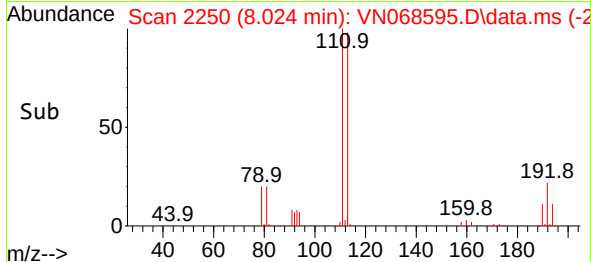
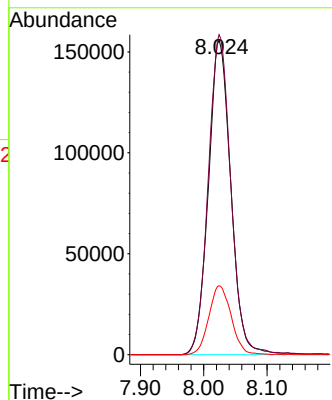
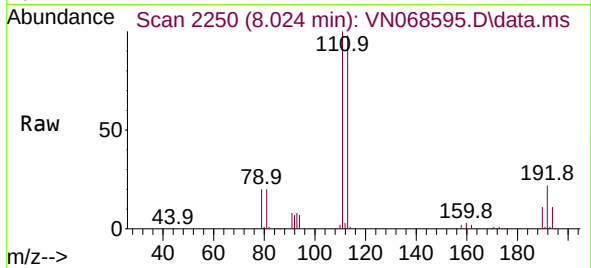




#35
Dibromofluoromethane
Concen: 50.409 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

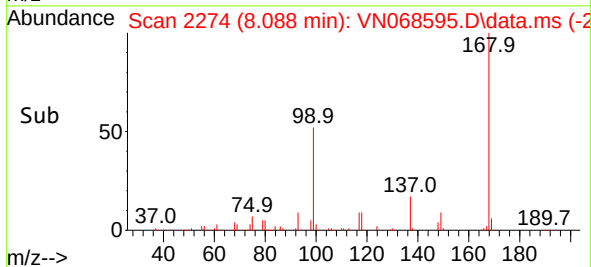
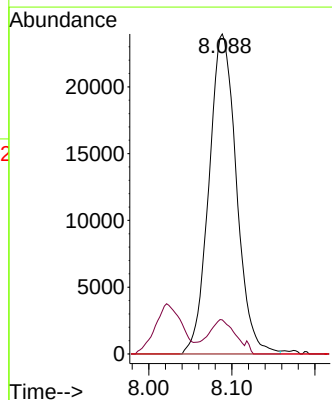
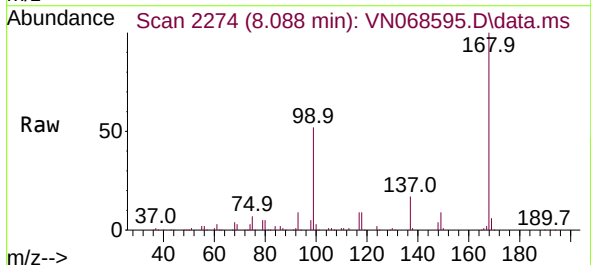
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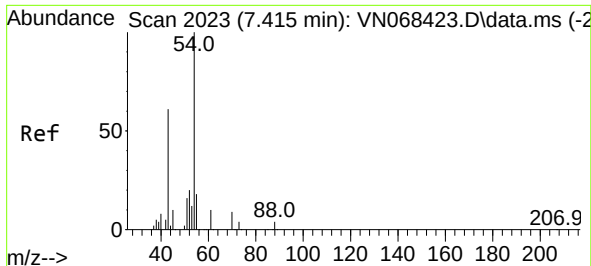
Tgt Ion:113 Resp: 382276
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 22.0 17.7 26.5



#36
1,1-Dichloropropene
Concen: 5.252 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

Tgt Ion: 75 Resp: 55057
Ion Ratio Lower Upper
75 100
110 10.5 20.8 62.5#
77 0.0 25.0 37.6#





#37

Ethyl Acetate

Concen: 1.591 ug/l

RT: 7.345 min Scan# 1997

Delta R.T. -0.070 min

Lab File: VN068595.D

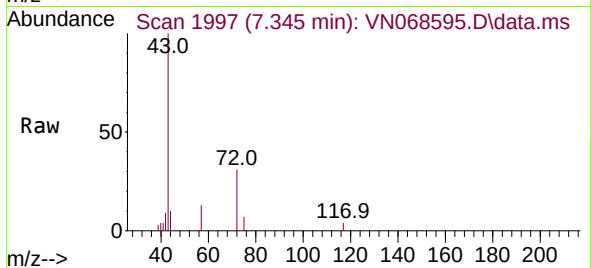
Acq: 21 Sep 2021 20:38

Instrument :

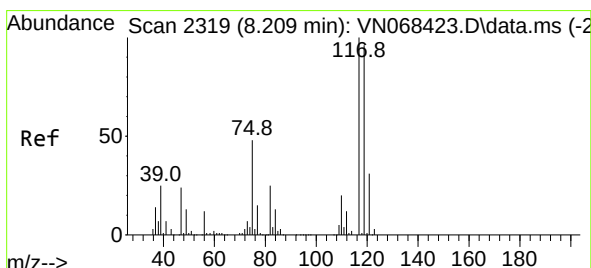
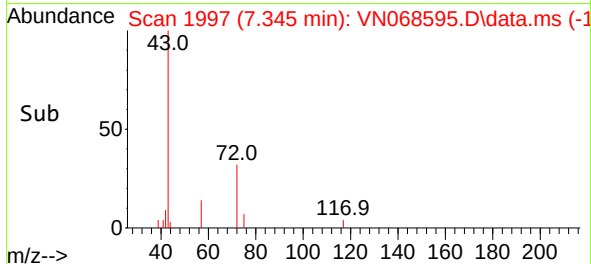
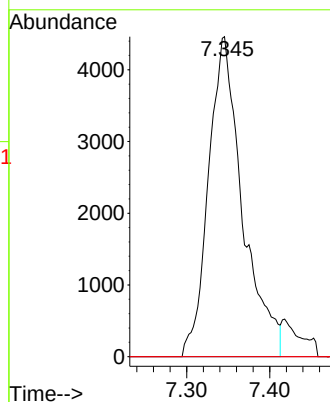
MSVOA_N

ClientSampleId :

PB139153ZHE#05



Tgt Ion:	43	Resp:	12689
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.4	18.6#
70	0.0	9.6	14.4#



#38

Carbon Tetrachloride

Concen: 6.236 ug/l

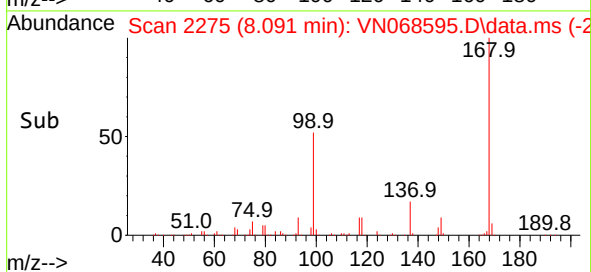
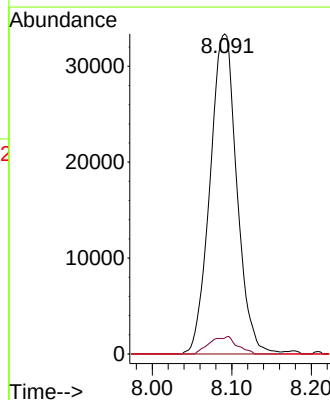
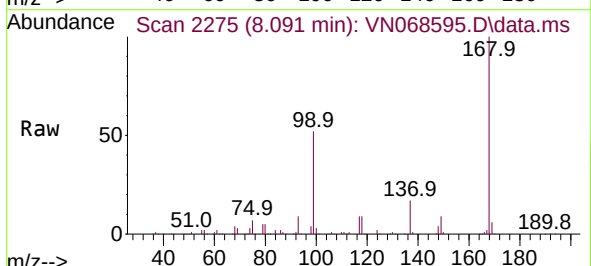
RT: 8.091 min Scan# 2275

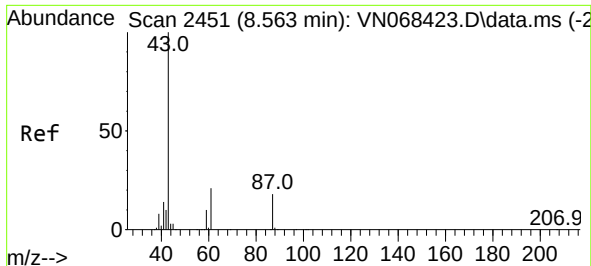
Delta R.T. -0.118 min

Lab File: VN068595.D

Acq: 21 Sep 2021 20:38

Tgt Ion:	117	Resp:	78312
Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.6	114.8#
121	0.0	24.5	36.7#

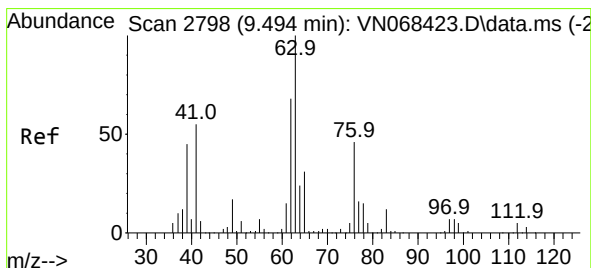
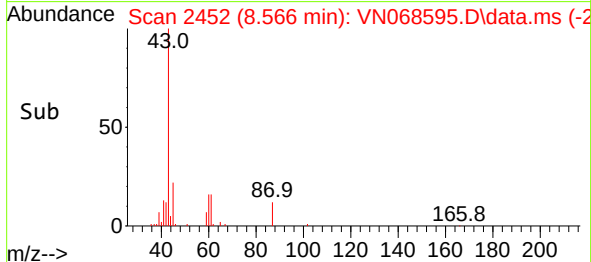
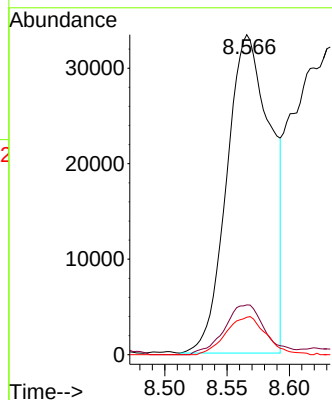
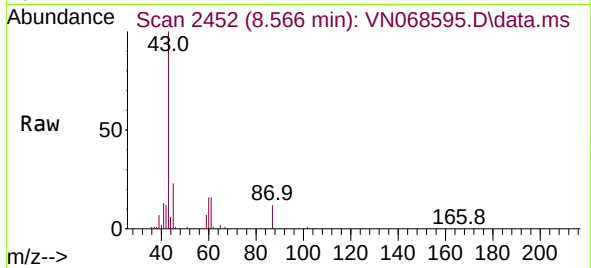




#43
Isopropyl Acetate
Concen: 5.818 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

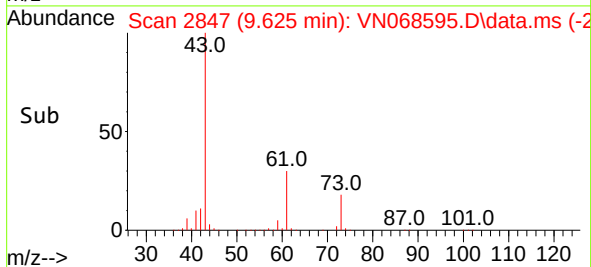
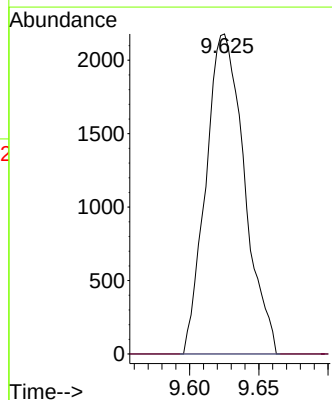
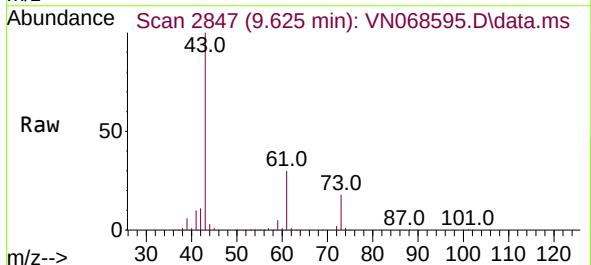
Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#05

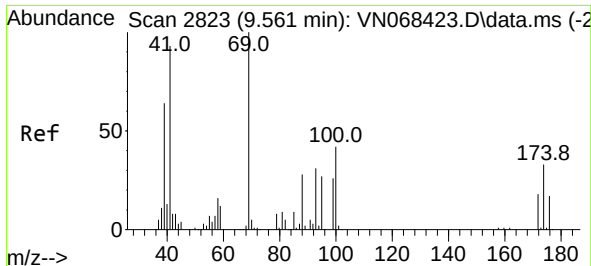
Tgt Ion: 43 Resp: 81843
Ion Ratio Lower Upper
43 100
61 14.5 23.3 34.9#
87 10.9 13.8 20.6#



#45
1,2-Dichloropropane
Concen: 0.569 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.131 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

Tgt Ion: 63 Resp: 4217
Ion Ratio Lower Upper
63 100
65 0.0 24.8 37.2#

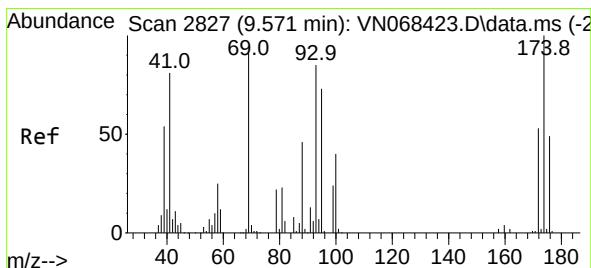
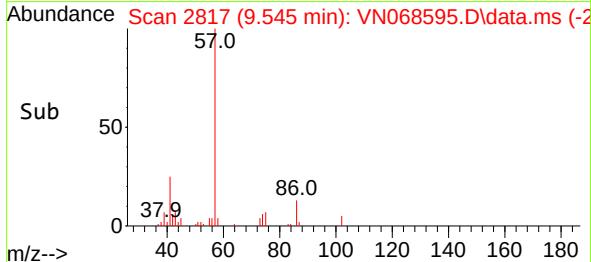
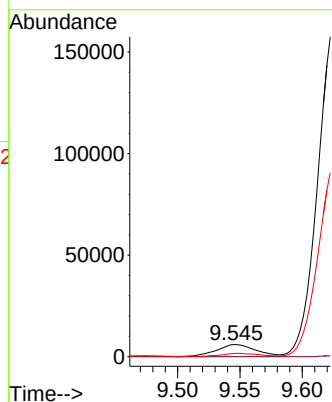
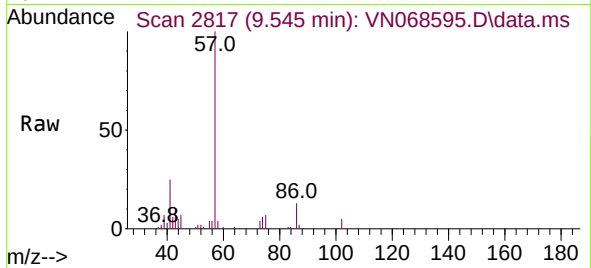




#48
Methyl methacrylate
Concen: 2.267 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

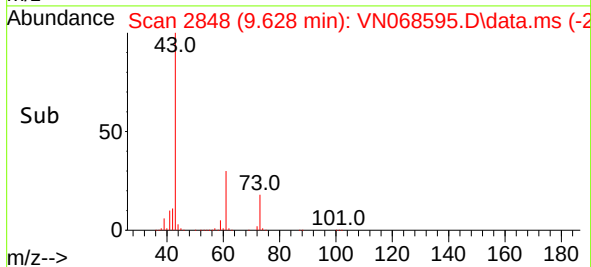
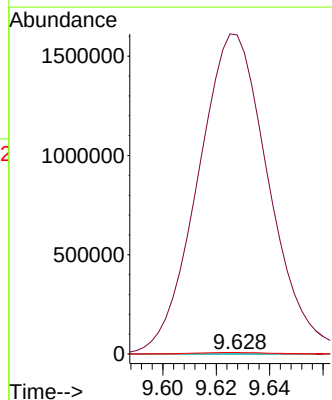
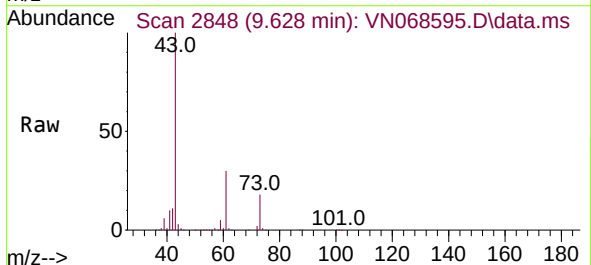
Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#05

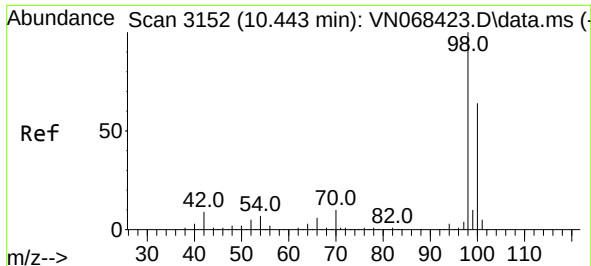
Tgt Ion: 41 Resp: 13316
Ion Ratio Lower Upper
41 100
69 0.0 82.9 124.3#
39 0.0 50.3 75.5#



#49
1,4-Dioxane
Concen: 3.606 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.057 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

Tgt Ion: 88 Resp: 486
Ion Ratio Lower Upper
88 100
43 628912.6 18.9 28.3#
58 3009.5 46.6 69.8#

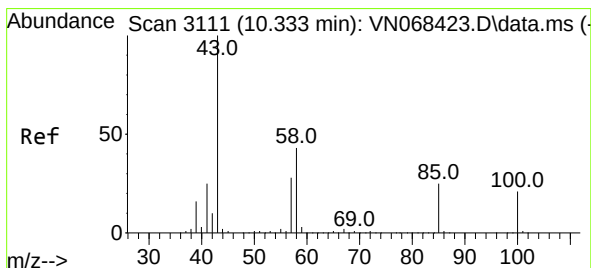
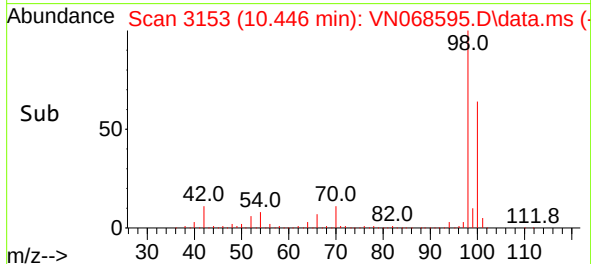
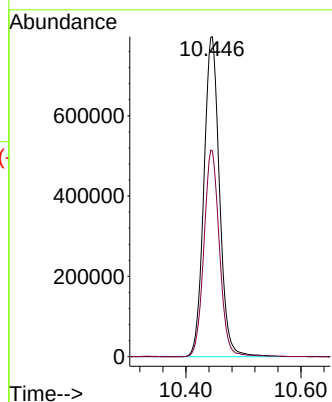
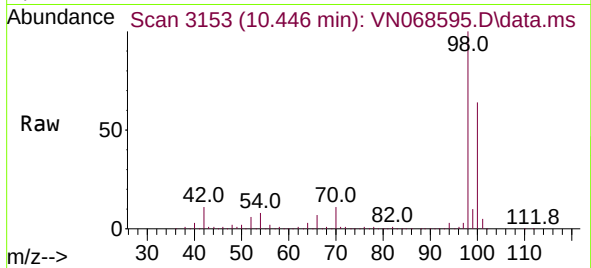




#50
Toluene-d8
Concen: 48.384 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

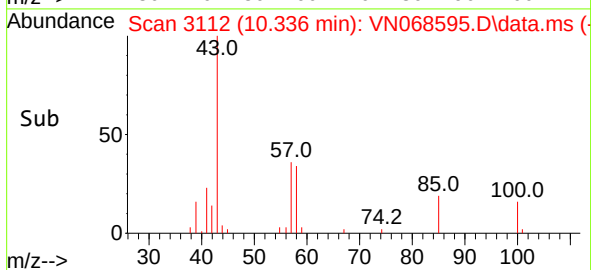
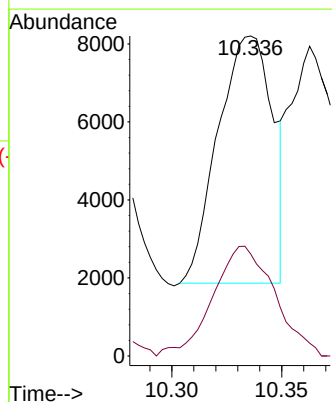
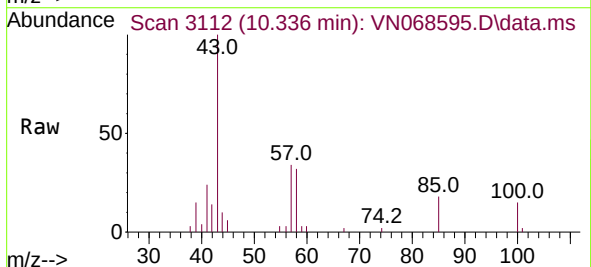
Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#05

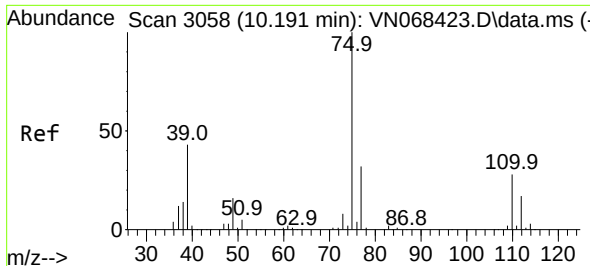
Tgt Ion: 98 Resp: 1500998
Ion Ratio Lower Upper
98 100
100 64.2 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 1.365 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

Tgt Ion: 43 Resp: 10963
Ion Ratio Lower Upper
43 100
58 50.2 34.3 51.5

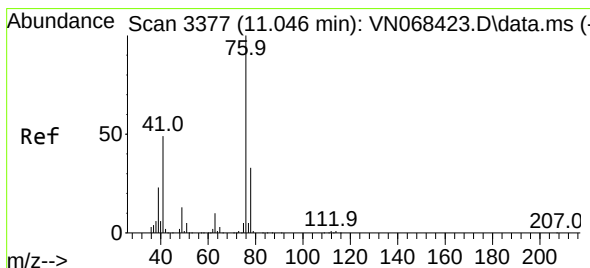
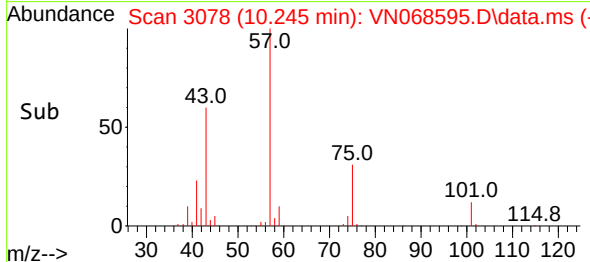
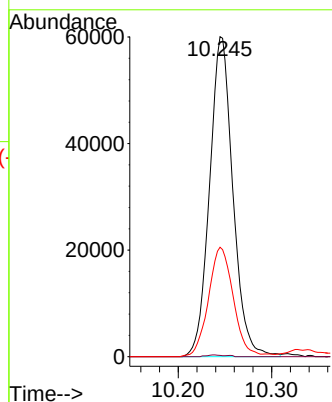
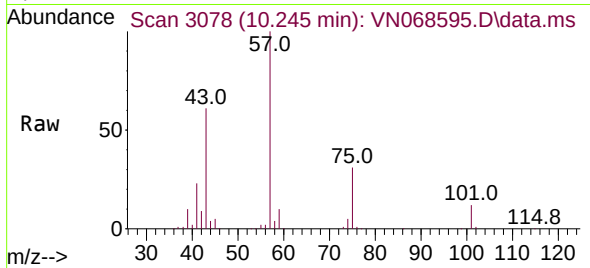




#54
 cis-1,3-Dichloropropene
 Concen: 8.761 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN068595.D
 Acq: 21 Sep 2021 20:38

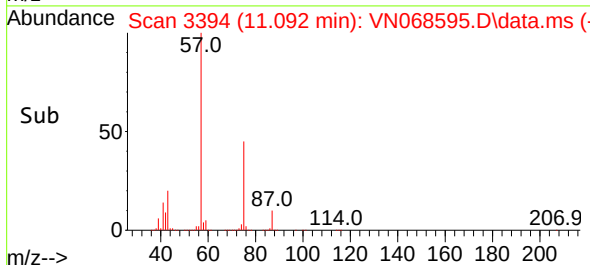
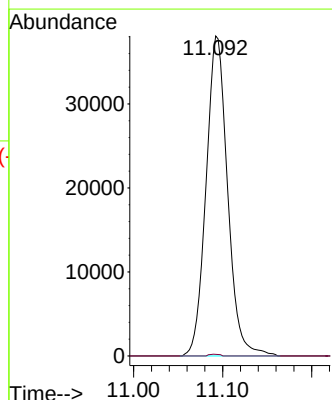
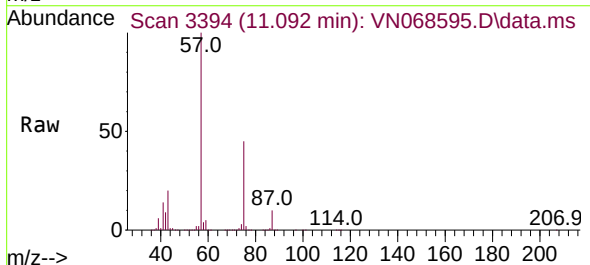
Instrument :
 MSVOA_N
 ClientSampleId :
 PB139153ZHE#05

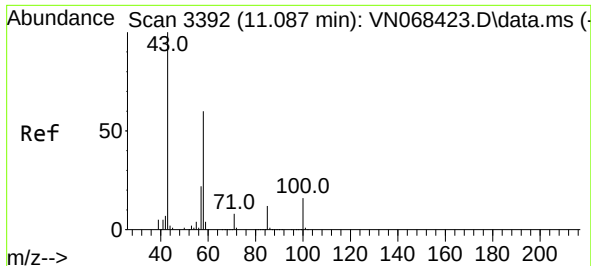
Tgt Ion: 75 Resp: 104074
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 34.2 34.6 52.0#



#57
 1,3-Dichloropropane
 Concen: 5.080 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN068595.D
 Acq: 21 Sep 2021 20:38

Tgt Ion: 76 Resp: 63959
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.9 38.9#

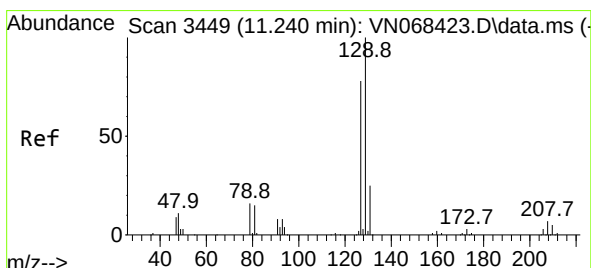
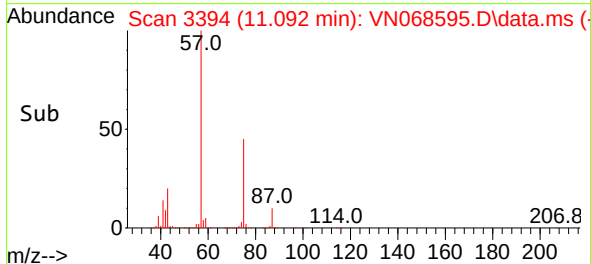
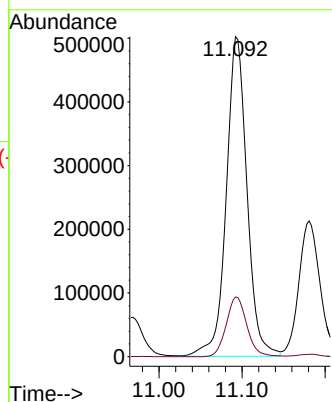
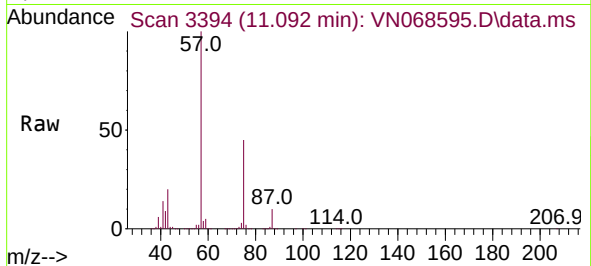




#59
2-Hexanone
Concen: 162.069 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

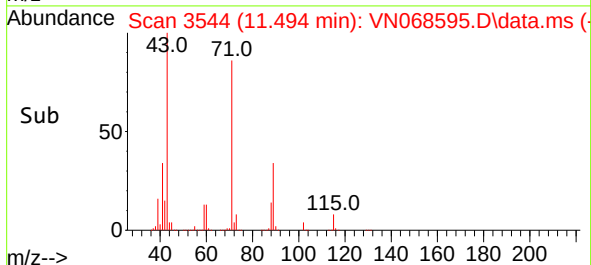
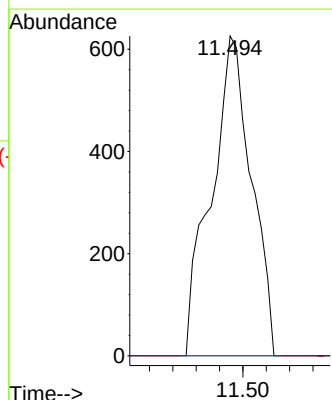
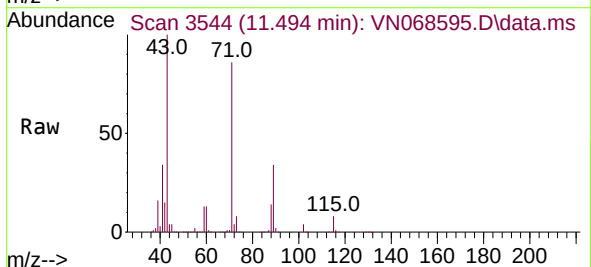
Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#05

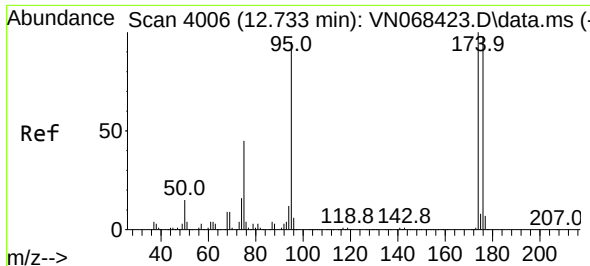
Tgt Ion: 43 Resp: 871662
Ion Ratio Lower Upper
43 100
58 18.6 30.0 90.1#



#60
Dibromochloromethane
Concen: 1.867 ug/l
RT: 11.494 min Scan# 3544
Delta R.T. 0.254 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

Tgt Ion:129 Resp: 747
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

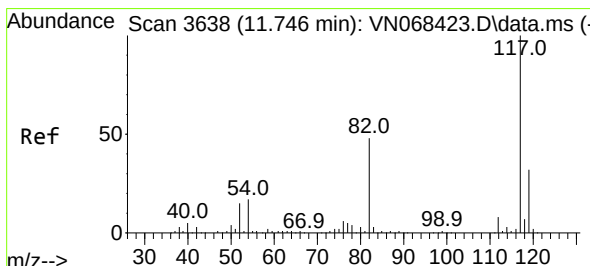
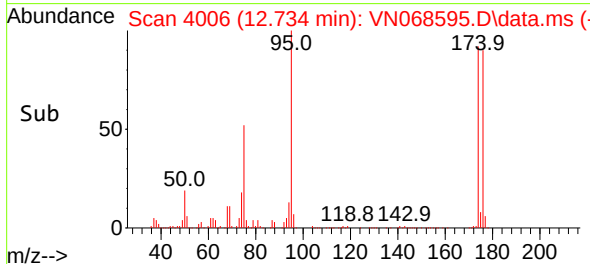
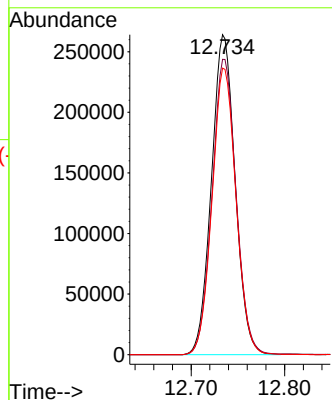
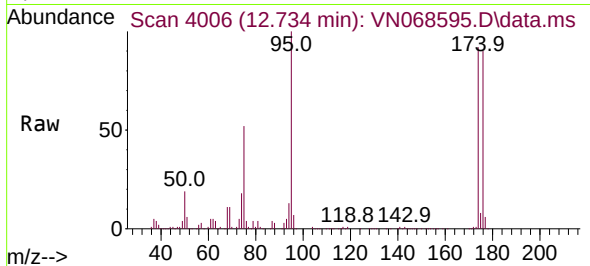




#62
4-Bromofluorobenzene
Concen: 45.732 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

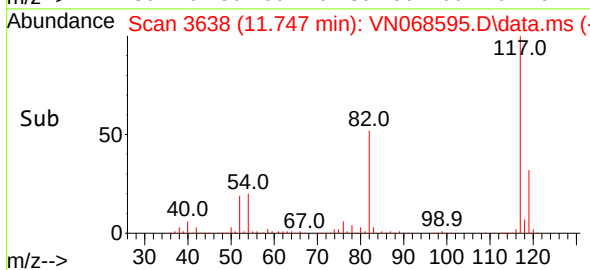
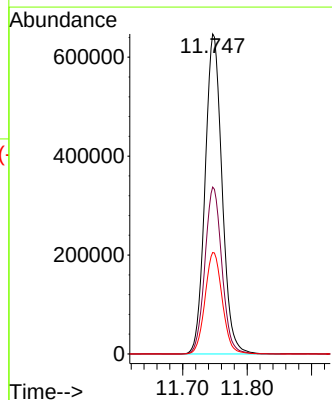
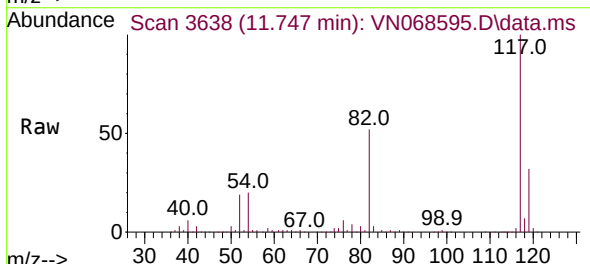
Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#05

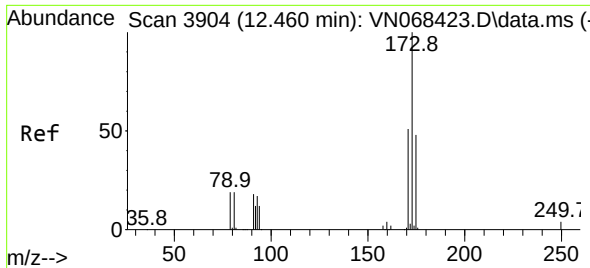
Tgt Ion: 95 Resp: 464897
Ion Ratio Lower Upper
95 100
174 93.7 0.0 214.0
176 90.5 0.0 205.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

Tgt Ion: 117 Resp: 1182438
Ion Ratio Lower Upper
117 100
82 52.2 38.7 58.1
119 31.7 25.5 38.3

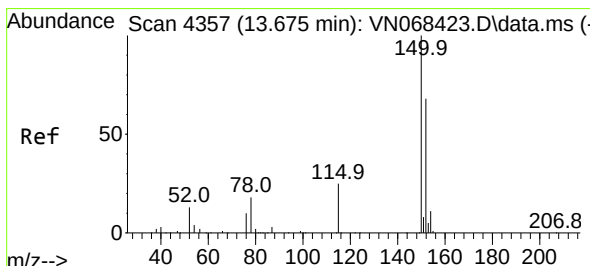
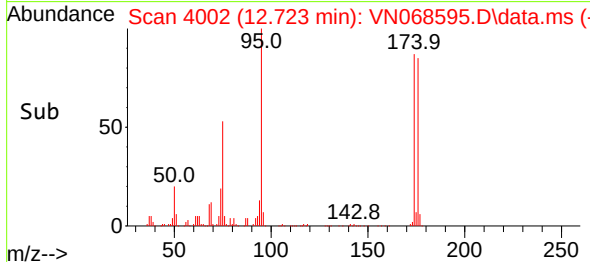
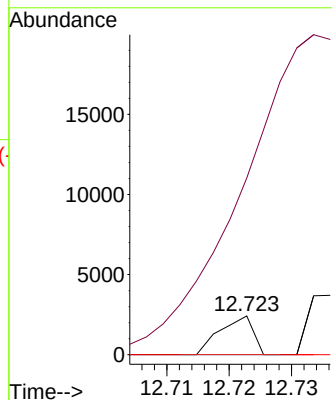
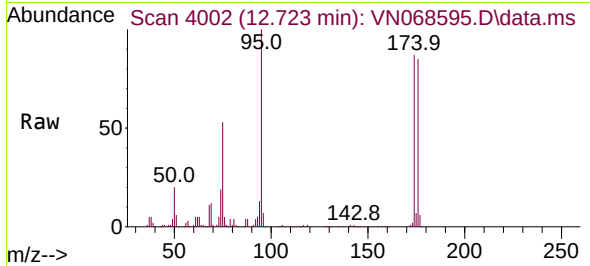




#71
Bromoform
Concen: 2.620 ug/l
RT: 12.723 min Scan# 4002
Delta R.T. 0.263 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

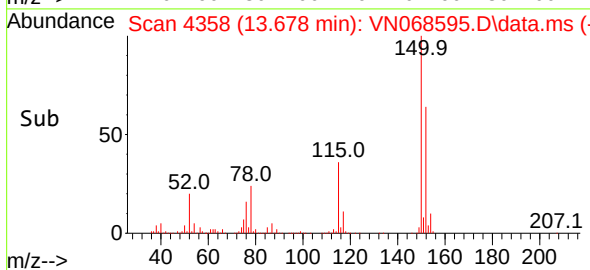
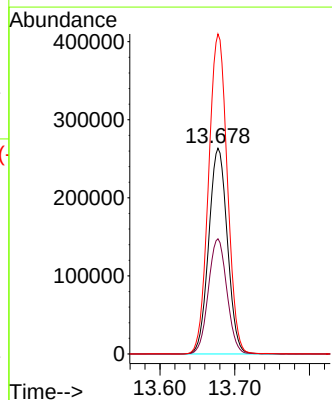
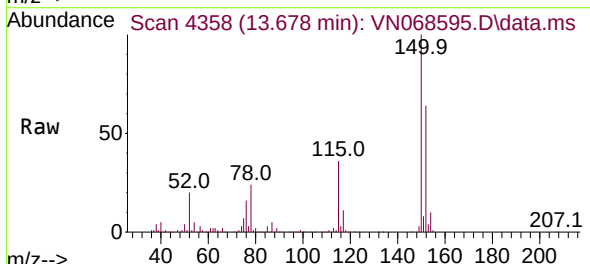
Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#05

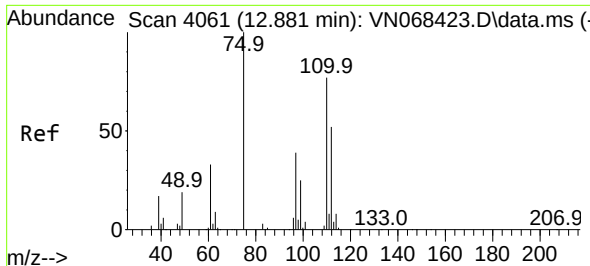
Tgt Ion:173 Resp: 893
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

Tgt Ion:152 Resp: 456493
Ion Ratio Lower Upper
152 100
115 55.7 25.6 76.6
150 156.1 0.0 346.8

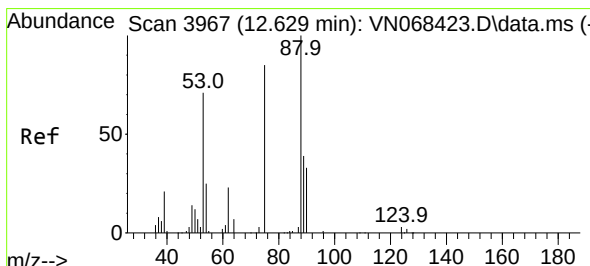
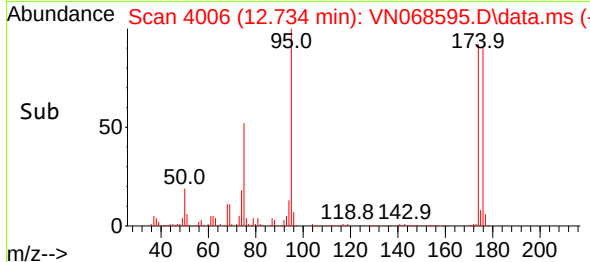
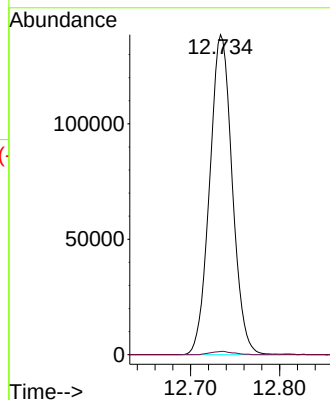
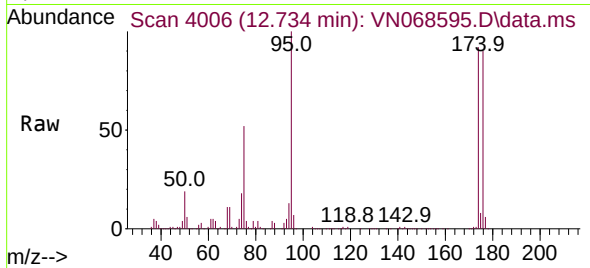




#76
1,2,3-Trichloropropane
Concen: 38.655 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

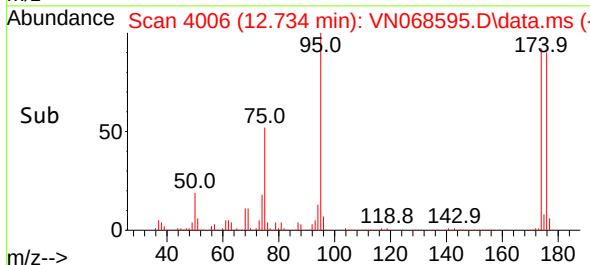
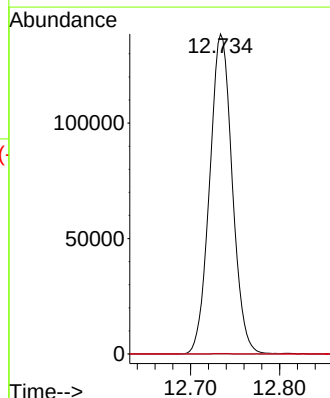
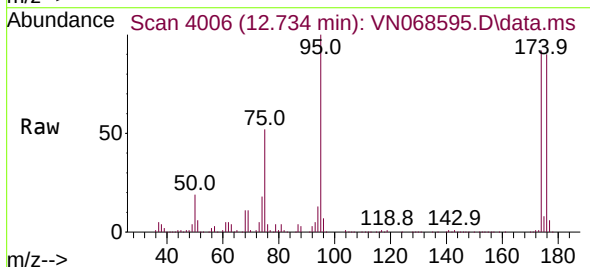
Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#05

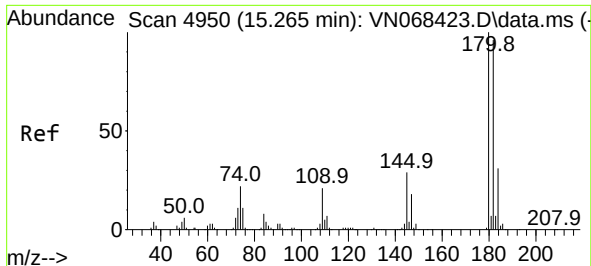
Tgt Ion: 75 Resp: 244222
Ion Ratio Lower Upper
75 100
77 1.0 100.9 302.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.566 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068595.D
Acq: 21 Sep 2021 20:38

Tgt Ion: 75 Resp: 244222
Ion Ratio Lower Upper
75 100
53 0.1 70.6 105.8#
89 0.0 39.5 59.3#

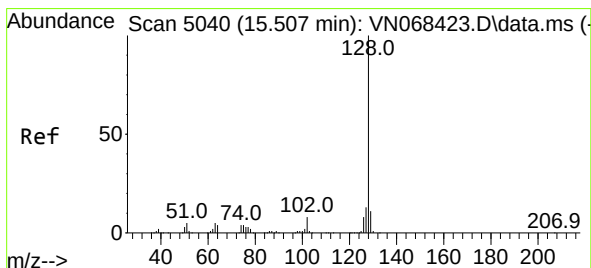
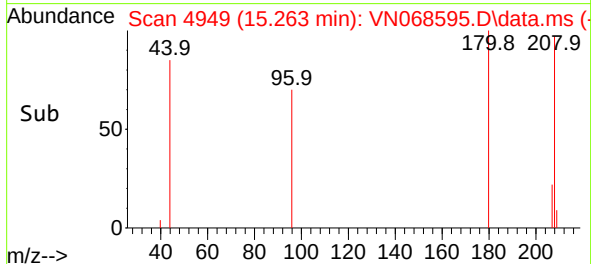
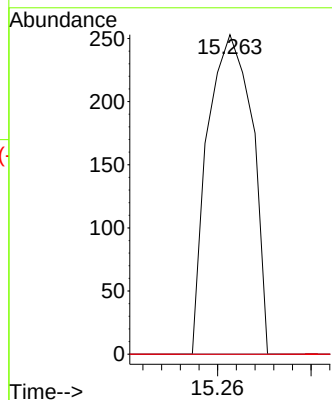
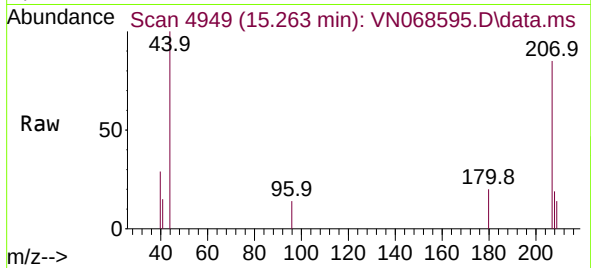




#93
 1,2,4-Trichlorobenzene
 Concen: 2.978 ug/l
 RT: 15.263 min Scan# 4949
 Delta R.T. -0.002 min
 Lab File: VN068595.D
 Acq: 21 Sep 2021 20:38

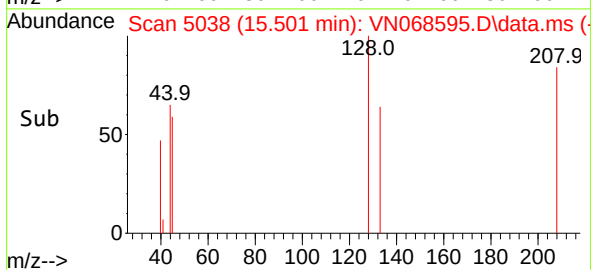
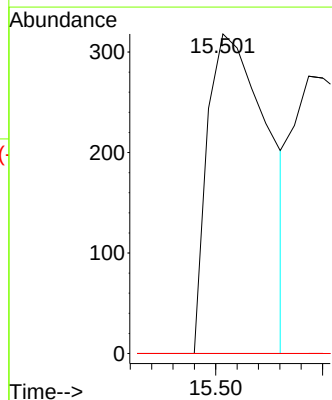
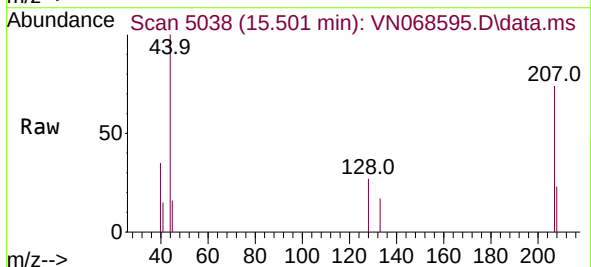
Instrument :
 MSVOA_N
 ClientSampleId :
 PB139153ZHE#05

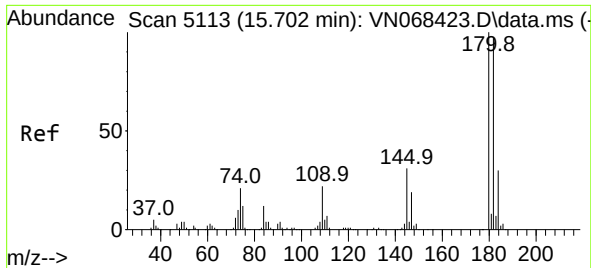
Tgt Ion:180	Resp:	167
Ion Ratio	Lower	Upper
180	100	
182	0.0	47.5 142.6#
145	0.0	14.1 42.4#



#95
 Naphthalene
 Concen: 3.509 ug/l
 RT: 15.501 min Scan# 5038
 Delta R.T. -0.006 min
 Lab File: VN068595.D
 Acq: 21 Sep 2021 20:38

Tgt Ion:128	Resp:	251
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.6 15.8#
129	0.0	8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.984 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN068595.D
 Acq: 21 Sep 2021 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 PB139153ZHE#05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.9	143.6
145	0.0	15.2	45.5#

