

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101421\
 Data File : VN068936.D
 Acq On : 14 Oct 2021 20:02
 Operator : JC/MD
 Sample : M4192-07
 Misc : 5.48g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 14 22:51:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.083	168	389432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	646093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	570323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	252332	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	233533	45.483	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.960%
35) Dibromofluoromethane	8.019	113	188764	50.216	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.440%
50) Toluene-d8	10.443	98	783332	52.082	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.160%
62) 4-Bromofluorobenzene	12.733	95	269974	47.576	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.160%

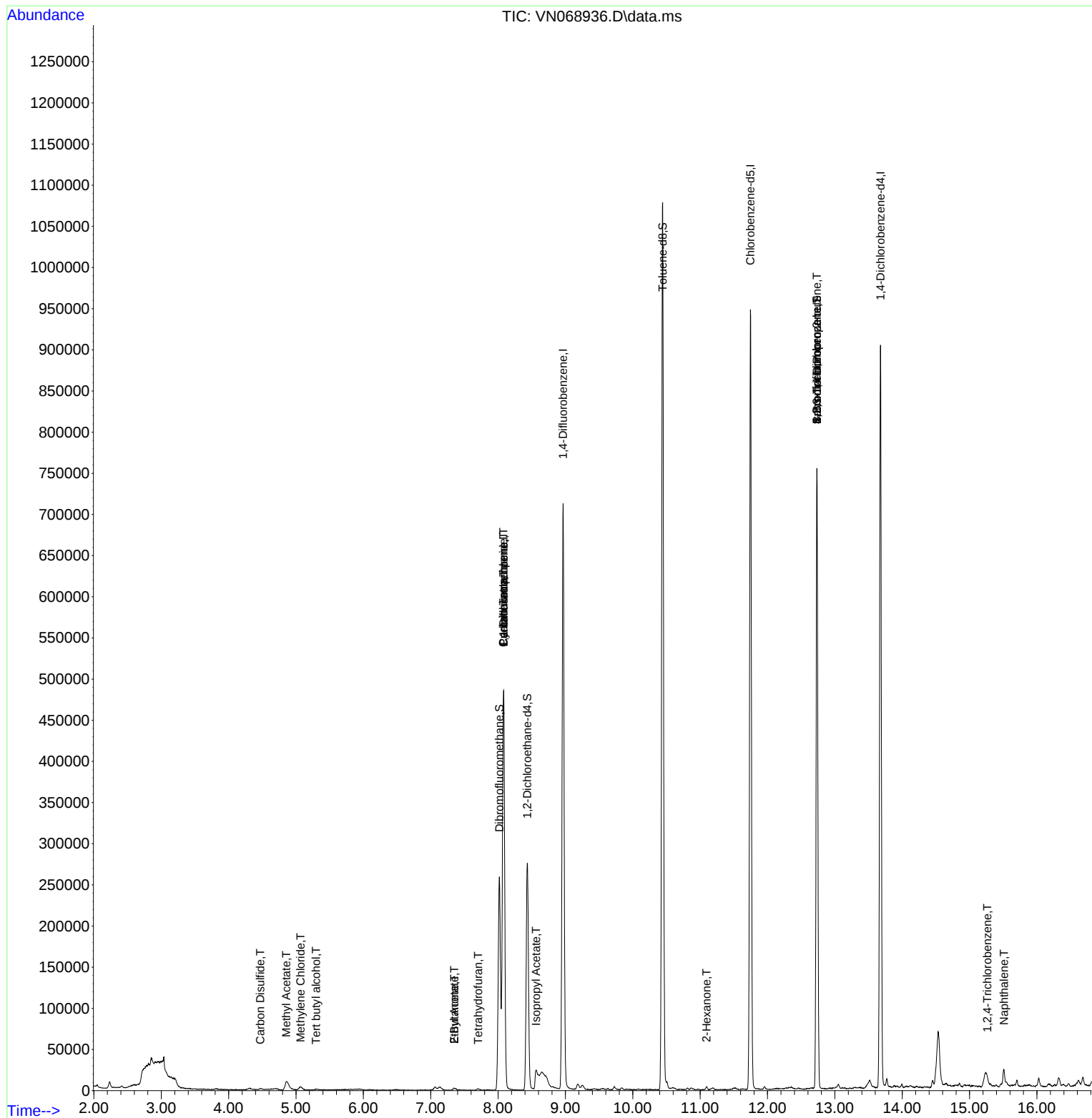
Target Compounds					Qvalue
11) Tert butyl alcohol	5.299	59	398	0.424	ug/l # 72
17) Carbon Disulfide	4.468	76	2732	0.268	ug/l # 75
18) Methyl Acetate	4.856	43	29786	4.098	ug/l 96
20) Methylene Chloride	5.066	84	2658	0.603	ug/l 86
25) 2-Butanone	7.351	43	5348	1.846	ug/l # 89
29) Tetrahydrofuran	7.705	42	940	0.500	ug/l # 70
31) Cyclohexane	8.080	56	8562	1.072	ug/l # 2
36) 1,1-Dichloropropene	8.080	75	29608	5.365	ug/l # 50
37) Ethyl Acetate	7.351	43	5348	0.938	ug/l # 68
38) Carbon Tetrachloride	8.080	117	38892	6.417	ug/l # 15
43) Isopropyl Acetate	8.563	43	21733	2.161	ug/l # 55
59) 2-Hexanone	11.095	43	1132	0.271	ug/l # 25
71) Bromoform	12.733	173	2300	0.680	ug/l # 1
76) 1,2,3-Trichloropropane	12.733	75	136554	25.434	ug/l # 1
81) trans-1,4-Dichloro-2-b...	12.733	75	136554	60.850	ug/l # 12
93) 1,2,4-Trichlorobenzene	15.265	180	24	2.607	ug/l # 79
95) Naphthalene	15.509	128	20299	5.413	ug/l 98

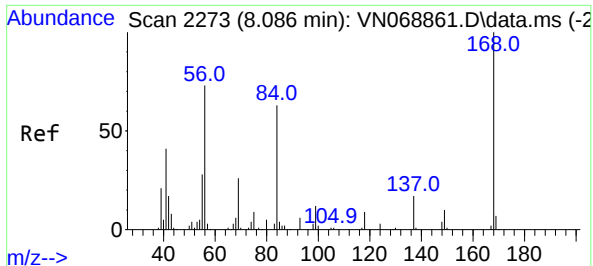
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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QLast Update : Wed Oct 13 05:44:40 2021
Response via : Initial Calibration

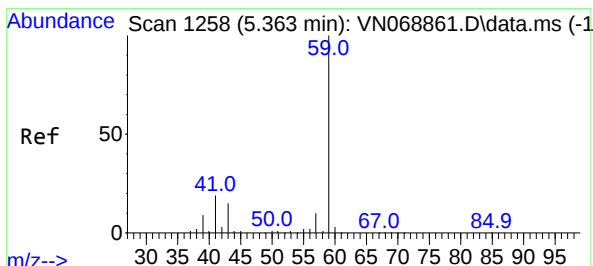
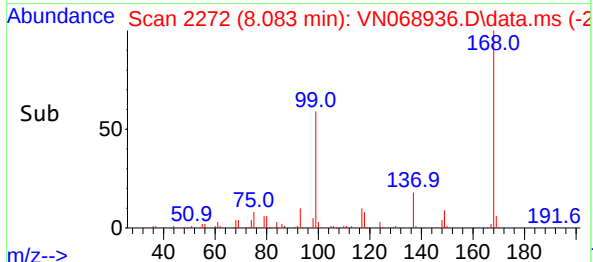
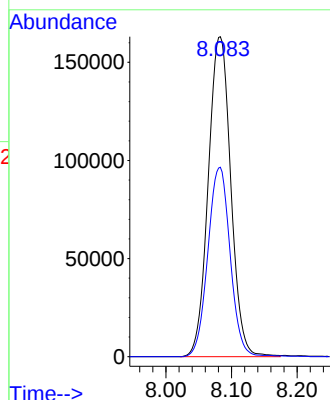
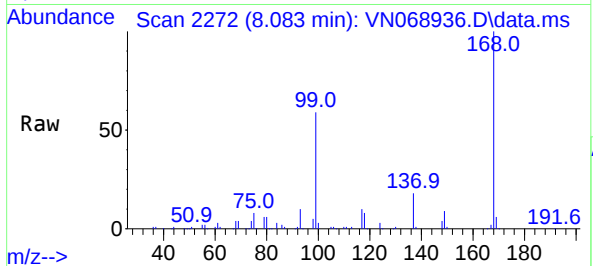




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.003 min
Lab File: VN068936.D
Acq: 14 Oct 2021 20:02

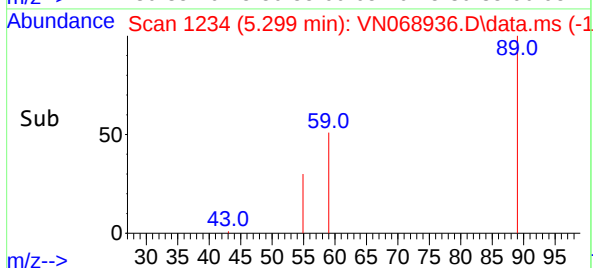
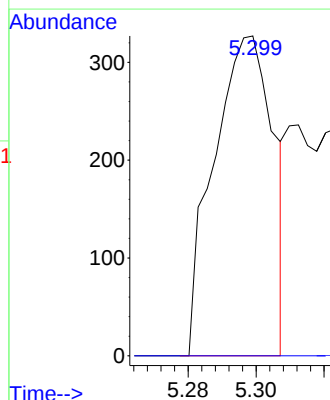
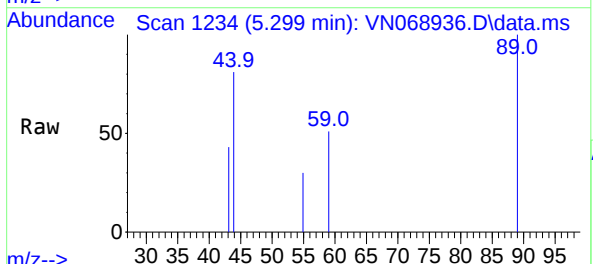
Instrument :
MSVOA_N
ClientSampled :

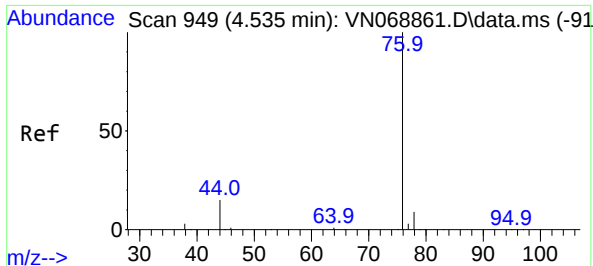
Tgt Ion:168 Resp: 389432
Ion Ratio Lower Upper
168 100
99 59.2 48.9 73.3



#11
Tert butyl alcohol
Concen: 0.424 ug/l
RT: 5.299 min Scan# 1234
Delta R.T. -0.064 min
Lab File: VN068936.D
Acq: 14 Oct 2021 20:02

Tgt Ion: 59 Resp: 398
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

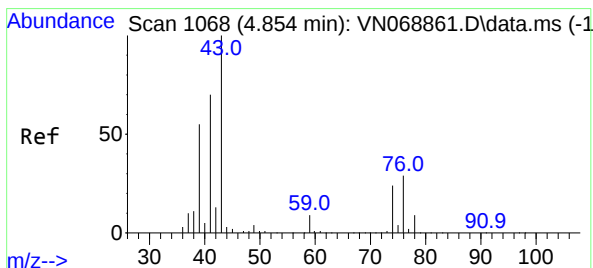
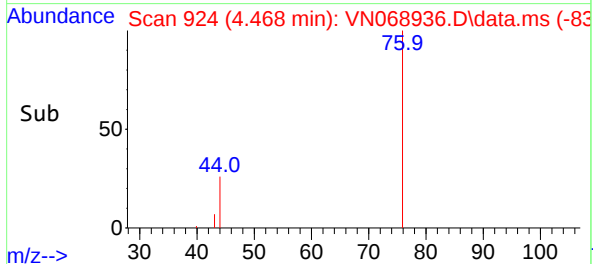
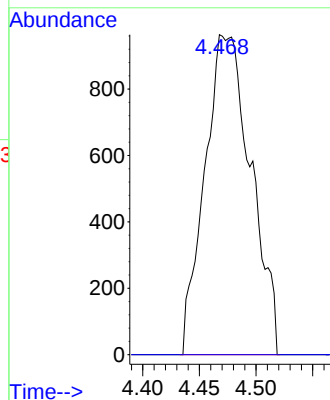
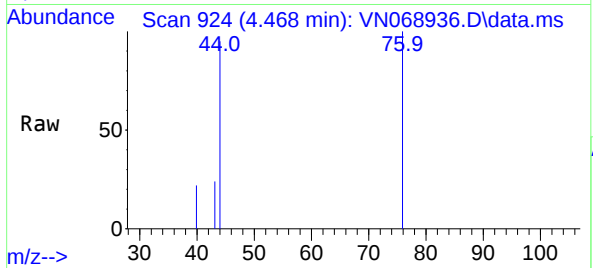




#17
Carbon Disulfide
Concen: 0.268 ug/l
RT: 4.468 min Scan# 924
Delta R.T. -0.067 min
Lab File: VN068936.D
Acq: 14 Oct 2021 20:02

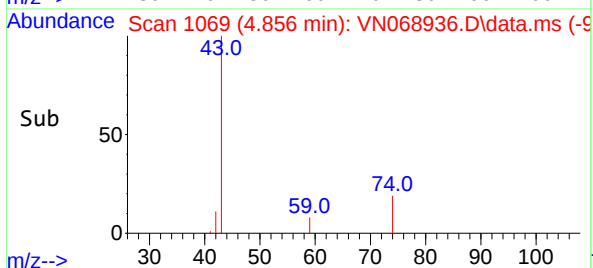
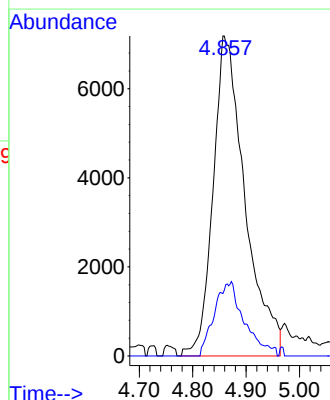
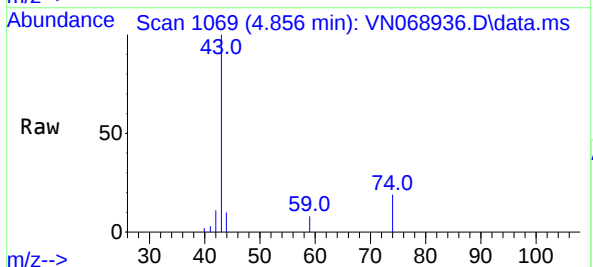
Instrument :
MSVOA_N
ClientSampled :

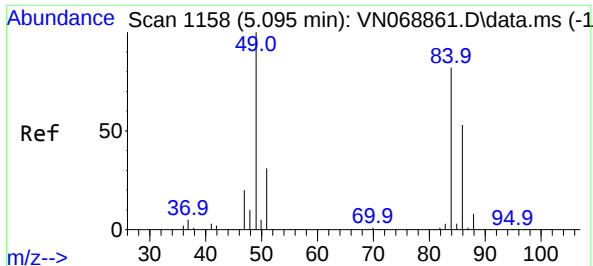
Tgt Ion: 76 Resp: 2732
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 4.098 ug/l
RT: 4.856 min Scan# 1069
Delta R.T. 0.003 min
Lab File: VN068936.D
Acq: 14 Oct 2021 20:02

Tgt Ion: 43 Resp: 29786
Ion Ratio Lower Upper
43 100
74 21.6 18.9 28.3



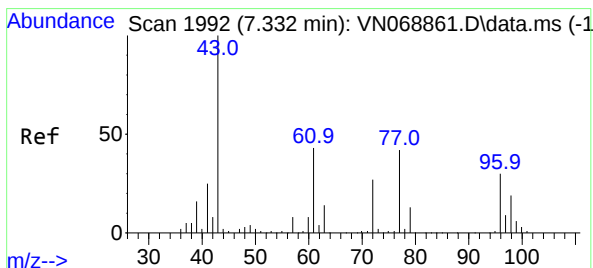
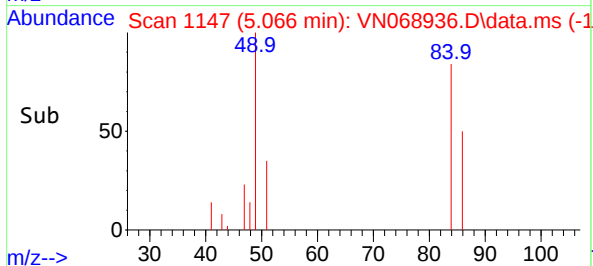
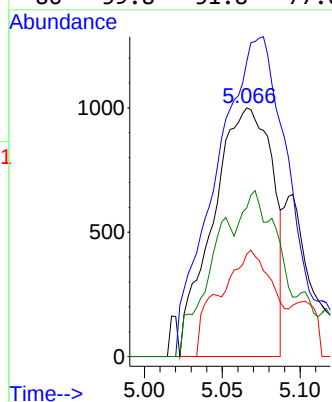
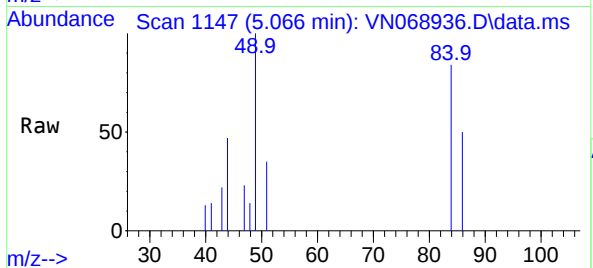


#20
Methylene Chloride
Concen: 0.603 ug/l
RT: 5.066 min Scan# 1147
Delta R.T. -0.030 min
Lab File: VN068936.D
Acq: 14 Oct 2021 20:02

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 84 Resp: 2658

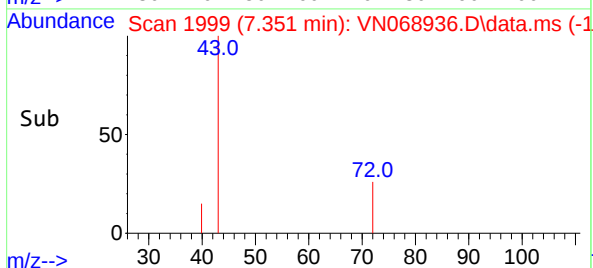
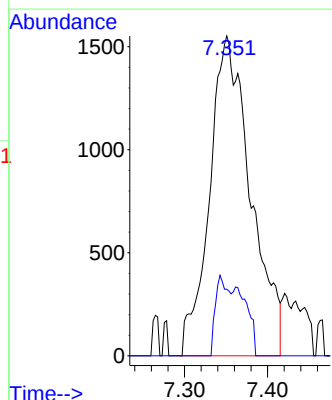
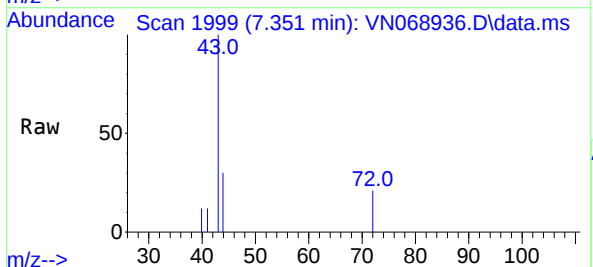
Ion	Ratio	Lower	Upper
84	100		
49	97.9	97.6	146.4
51	41.2	30.3	45.5
86	59.8	51.8	77.6

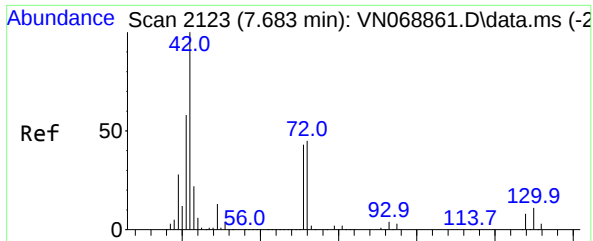


#25
2-Butanone
Concen: 1.846 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.019 min
Lab File: VN068936.D
Acq: 14 Oct 2021 20:02

Tgt Ion: 43 Resp: 5348

Ion	Ratio	Lower	Upper
43	100		
72	20.8	21.2	31.8#



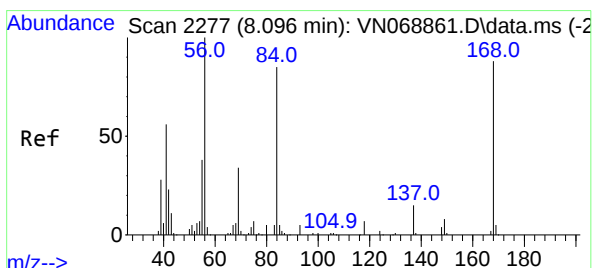
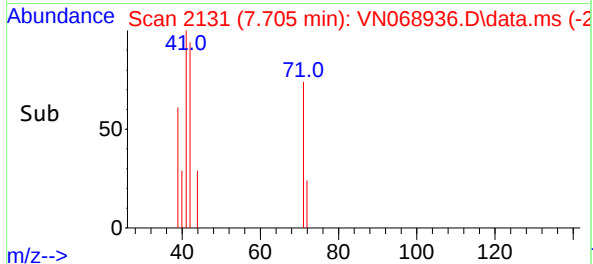
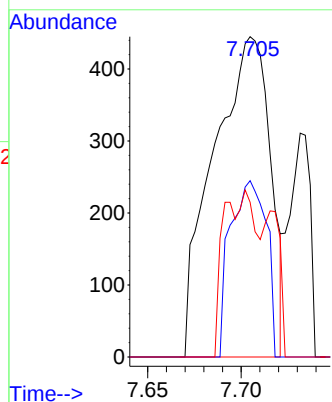
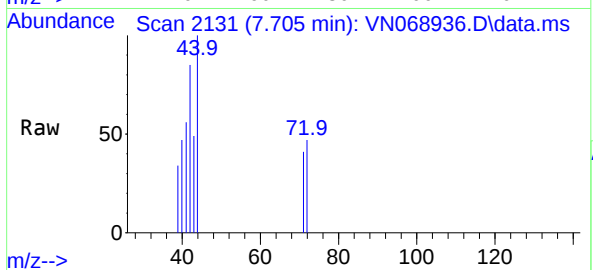


#29
Tetrahydrofuran
Concen: 0.500 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.021 min
Lab File: VN068936.D
Acq: 14 Oct 2021 20:02

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 42 Resp: 940

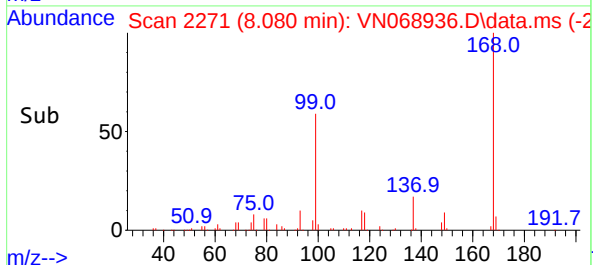
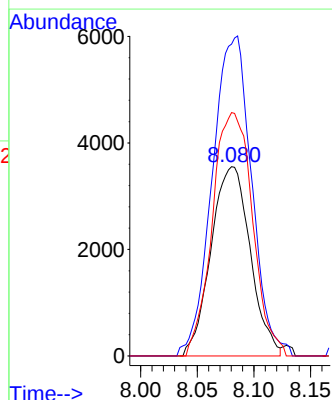
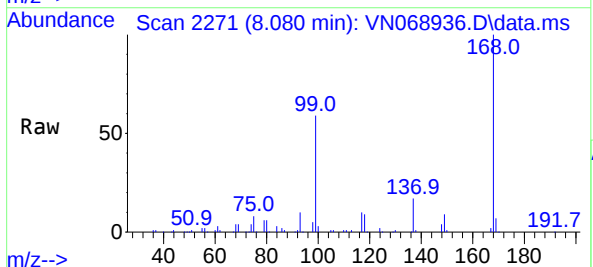
Ion	Ratio	Lower	Upper
42	100		
72	34.8	35.4	53.2#
71	13.5	33.8	50.6#

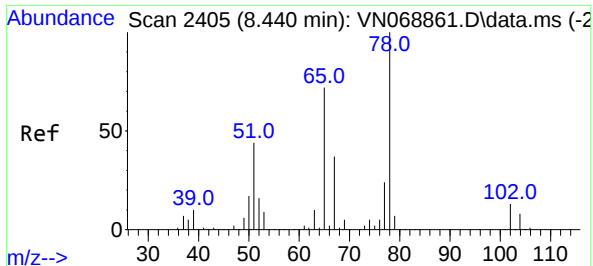


#31
Cyclohexane
Concen: 1.072 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.016 min
Lab File: VN068936.D
Acq: 14 Oct 2021 20:02

Tgt Ion: 56 Resp: 8562

Ion	Ratio	Lower	Upper
56	100		
69	160.2	26.9	40.3#
84	128.6	67.6	101.4#

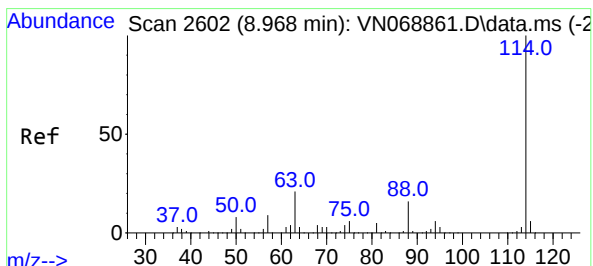
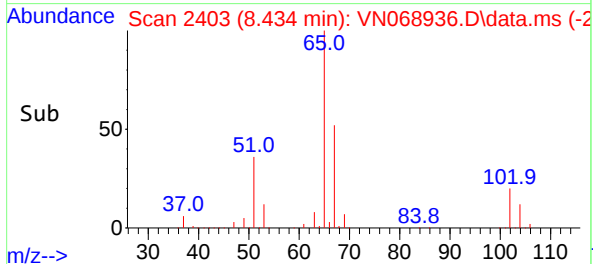
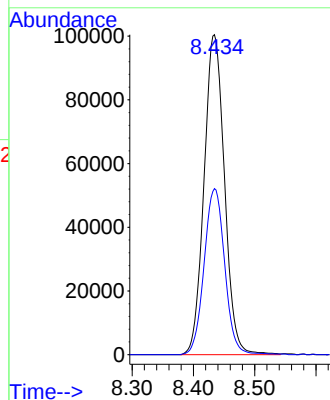
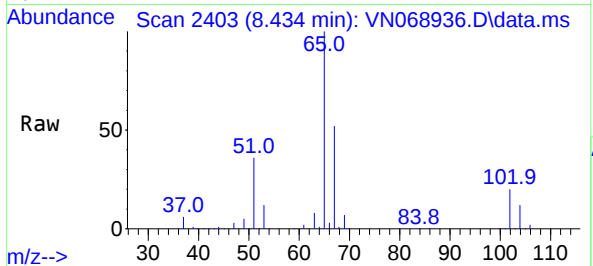




#33
 1,2-Dichloroethane-d4
 Concen: 45.483 ug/l
 RT: 8.434 min Scan# 2403
 Delta R.T. -0.005 min
 Lab File: VN068936.D
 Acq: 14 Oct 2021 20:02

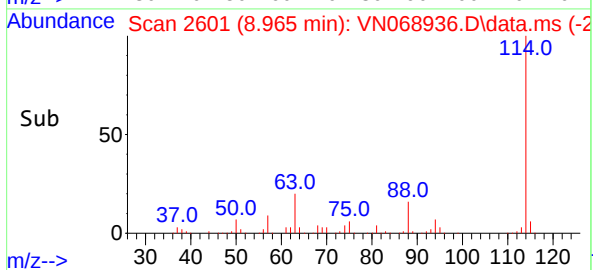
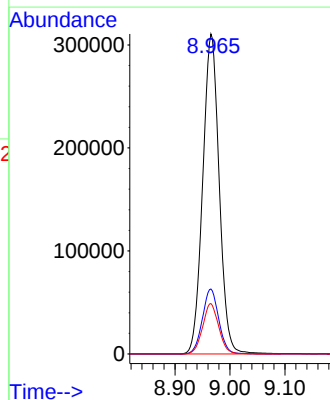
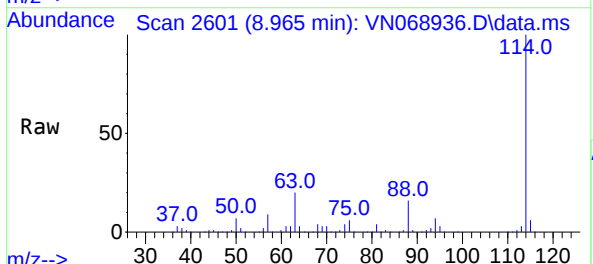
Instrument :
 MSVOA_N
 ClientSampled :

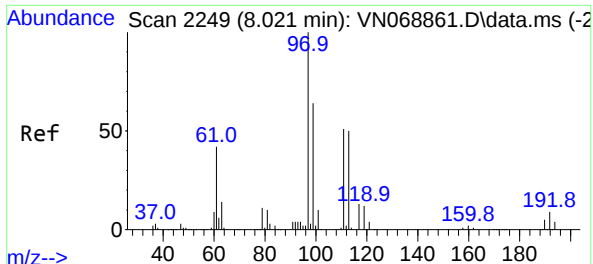
Tgt Ion: 65 Resp: 233533
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.965 min Scan# 2601
 Delta R.T. -0.003 min
 Lab File: VN068936.D
 Acq: 14 Oct 2021 20:02

Tgt Ion: 114 Resp: 646093
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 42.6
 88 15.7 0.0 32.0

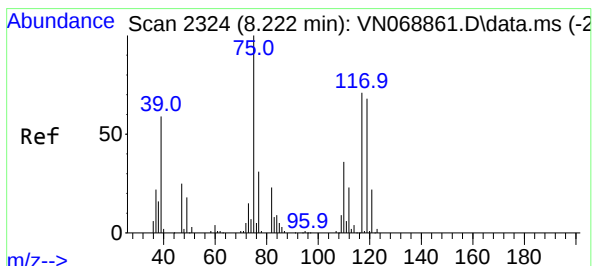
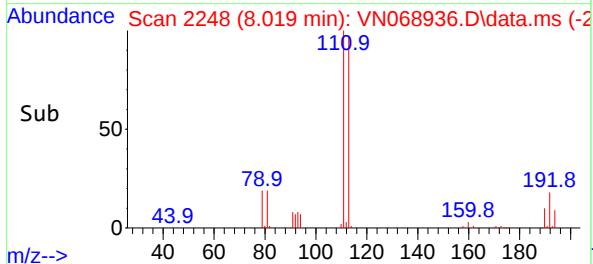
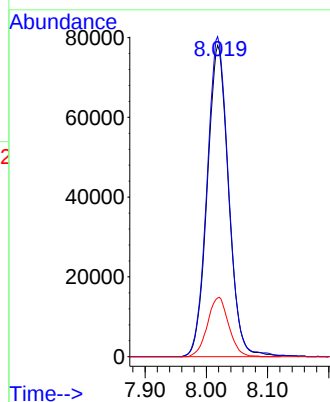
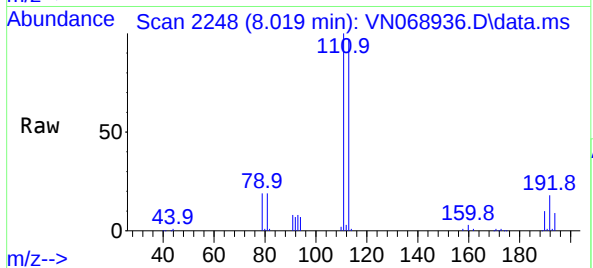




#35
Dibromofluoromethane
Concen: 50.216 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. -0.003 min
Lab File: VN068936.D
Acq: 14 Oct 2021 20:02

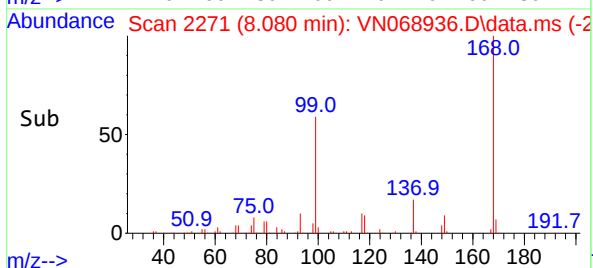
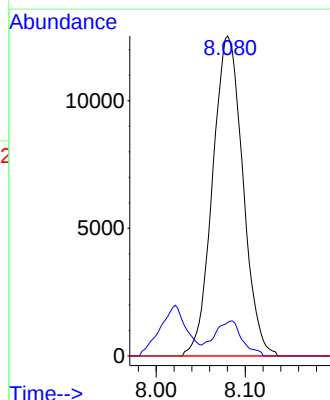
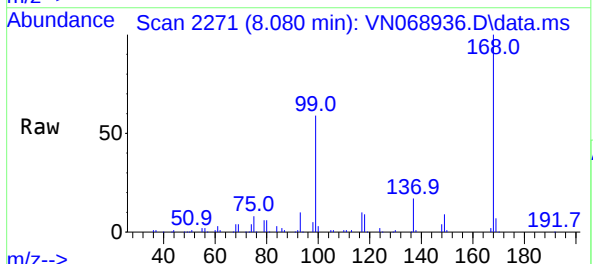
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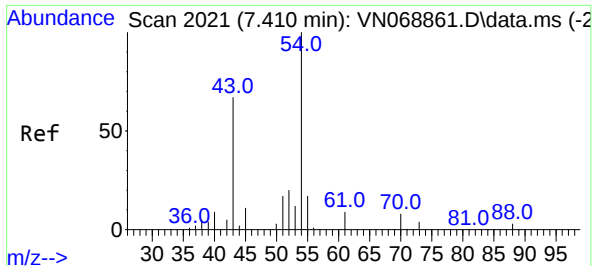
Tgt Ion:113 Resp: 188764
Ion Ratio Lower Upper
113 100
111 104.0 83.2 124.8
192 19.0 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.365 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.142 min
Lab File: VN068936.D
Acq: 14 Oct 2021 20:02

Tgt Ion: 75 Resp: 29608
Ion Ratio Lower Upper
75 100
110 10.2 17.9 53.8#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.938 ug/l

RT: 7.351 min Scan# 1999

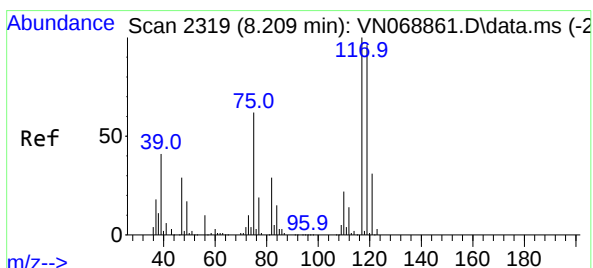
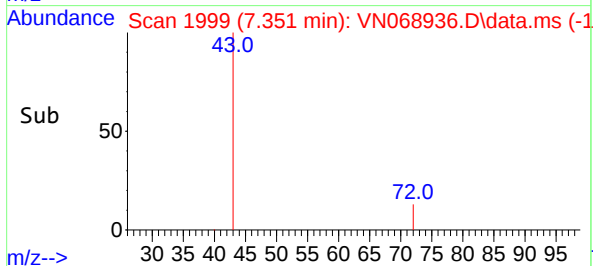
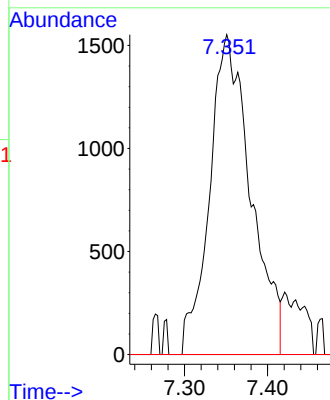
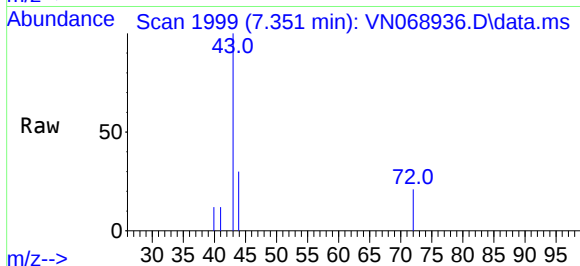
Delta R.T. -0.059 min

Lab File: VN068936.D

Acq: 14 Oct 2021 20:02

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	43	Resp:	5348
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	0.0	8.4	12.6#



#38

Carbon Tetrachloride

Concen: 6.417 ug/l

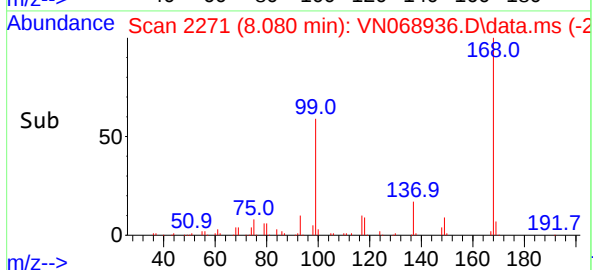
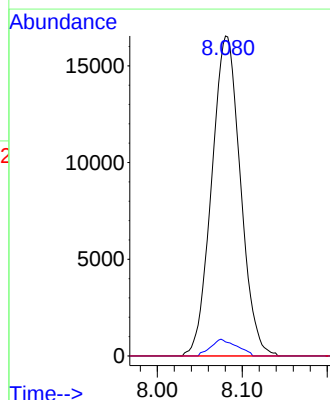
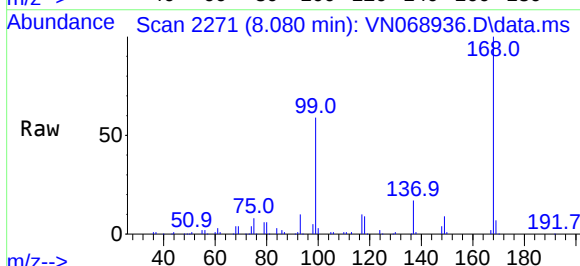
RT: 8.080 min Scan# 2271

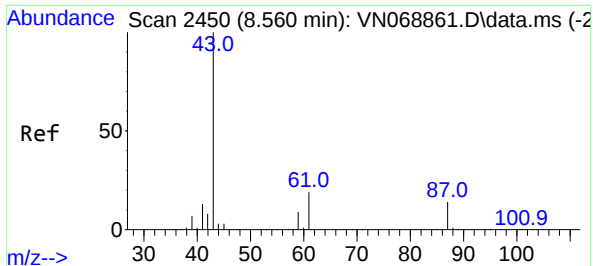
Delta R.T. -0.129 min

Lab File: VN068936.D

Acq: 14 Oct 2021 20:02

Tgt Ion:	117	Resp:	38892
Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.9	115.3#
121	0.0	24.6	37.0#

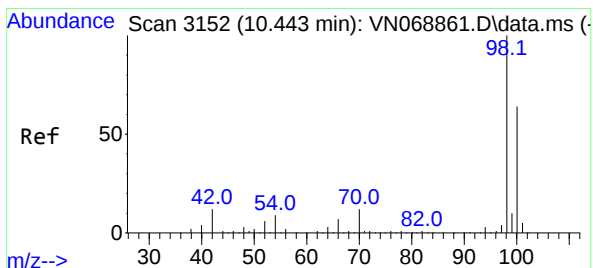
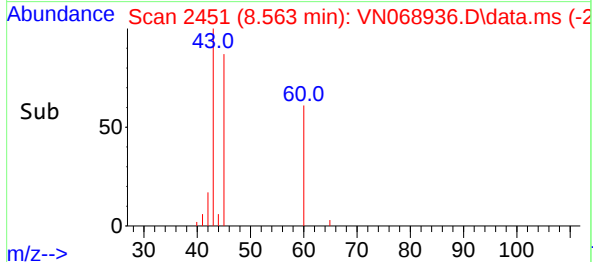
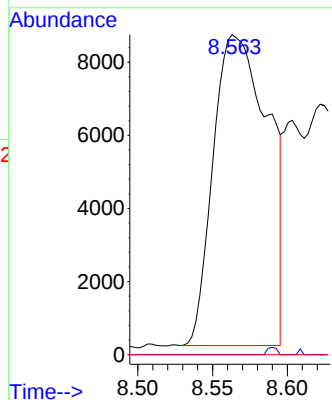
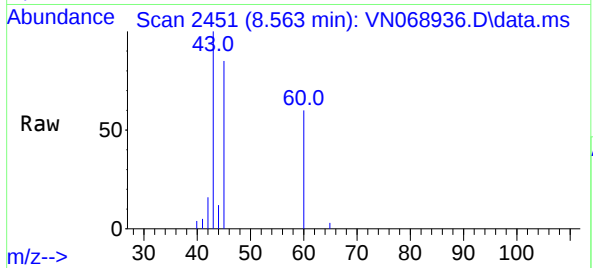




#43
Isopropyl Acetate
Concen: 2.161 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068936.D
Acq: 14 Oct 2021 20:02

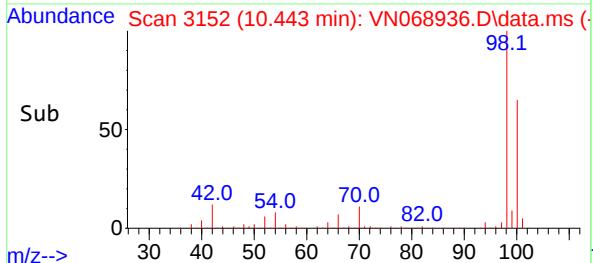
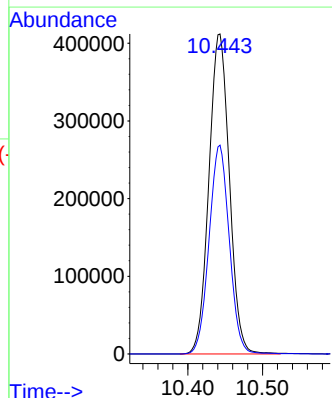
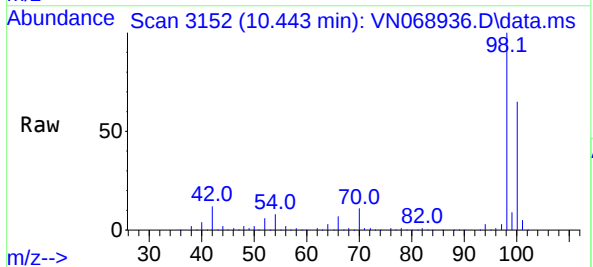
Instrument :
MSVOA_N
ClientSampled :

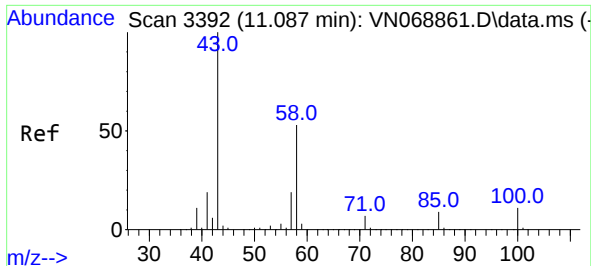
Tgt Ion: 43 Resp: 21733
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 52.082 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068936.D
Acq: 14 Oct 2021 20:02

Tgt Ion: 98 Resp: 783332
Ion Ratio Lower Upper
98 100
100 64.6 51.5 77.3

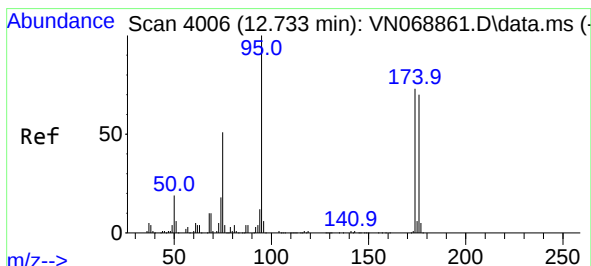
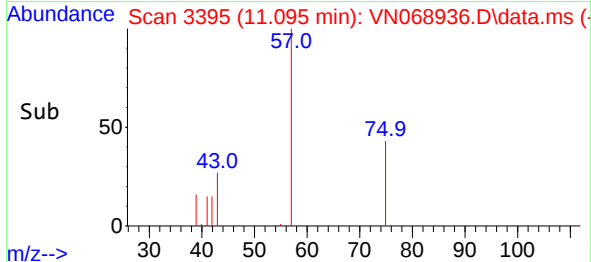
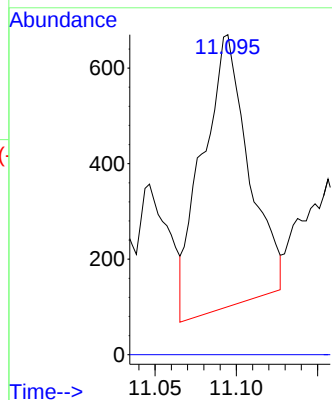
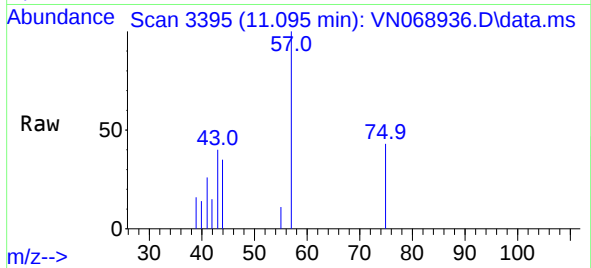




#59
2-Hexanone
Concen: 0.271 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068936.D
Acq: 14 Oct 2021 20:02

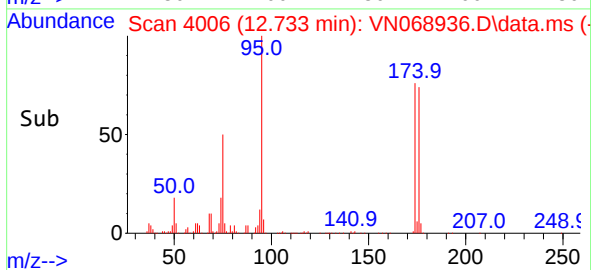
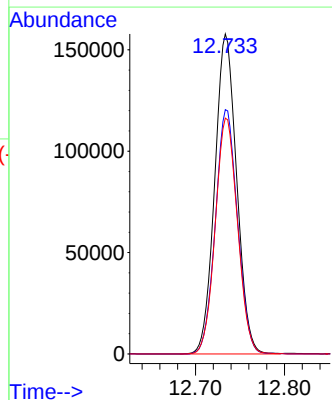
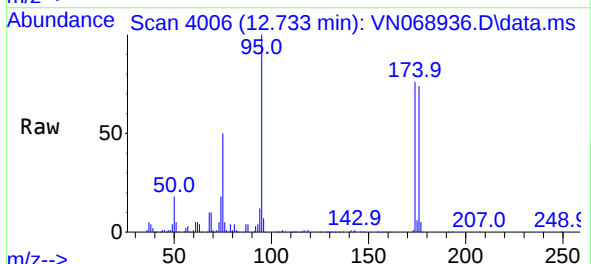
Instrument :
MSVOA_N
ClientSampled :

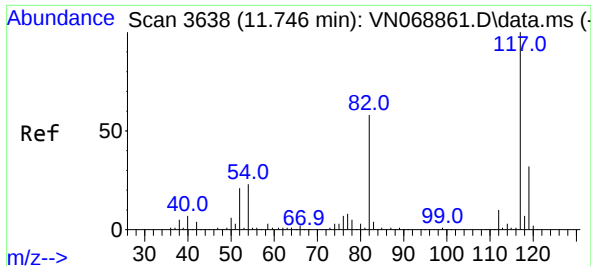
Tgt Ion: 43 Resp: 1132
Ion Ratio Lower Upper
43 100
58 0.0 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 47.576 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068936.D
Acq: 14 Oct 2021 20:02

Tgt Ion: 95 Resp: 269974
Ion Ratio Lower Upper
95 100
174 77.2 0.0 144.8
176 74.8 0.0 140.0

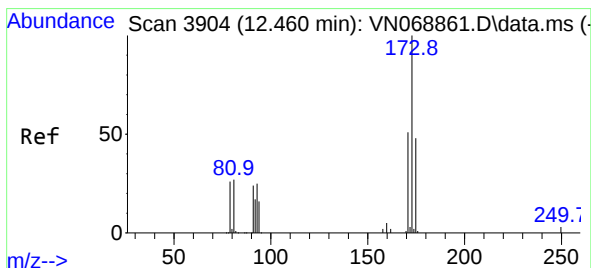
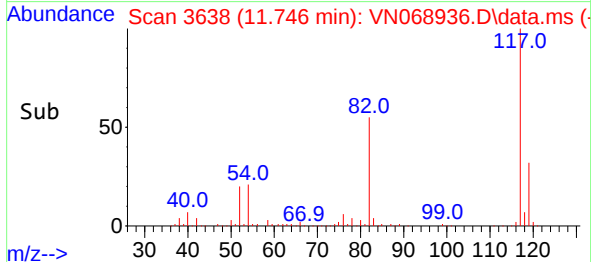
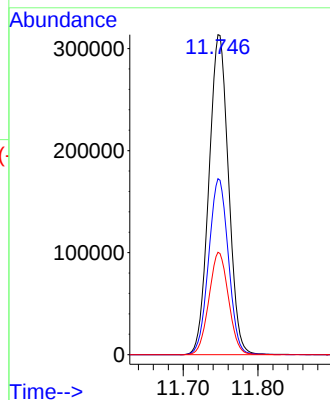
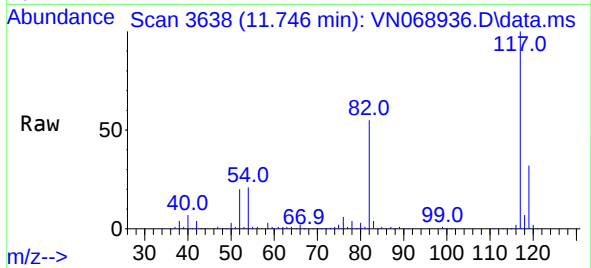




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068936.D
Acq: 14 Oct 2021 20:02

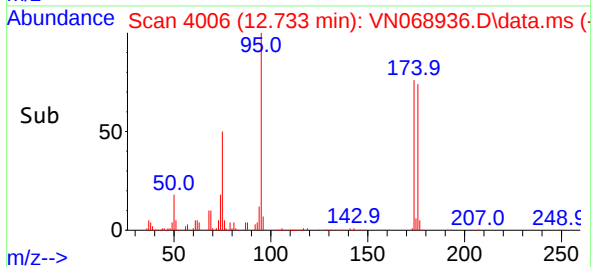
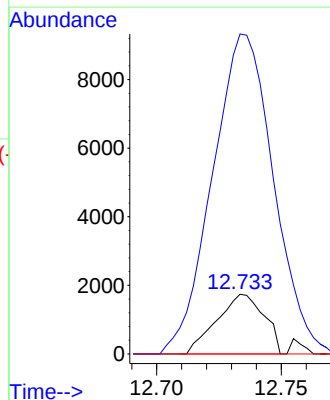
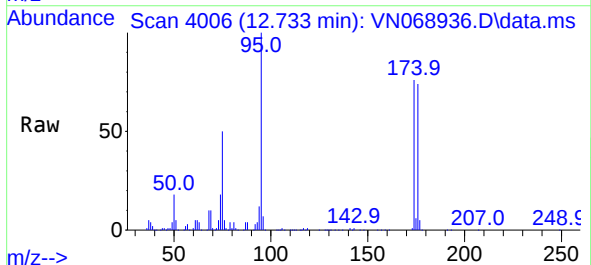
Instrument :
MSVOA_N
ClientSampled :

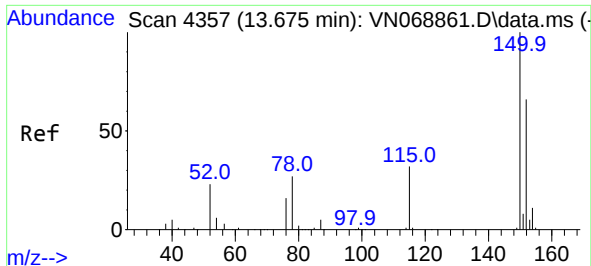
Tgt Ion:117 Resp: 570323
Ion Ratio Lower Upper
117 100
82 55.0 46.4 69.6
119 32.0 26.0 39.0



#71
Bromoform
Concen: 0.680 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN068936.D
Acq: 14 Oct 2021 20:02

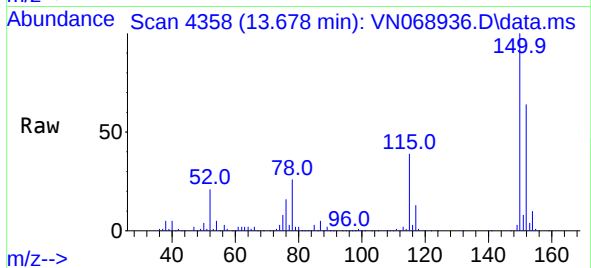
Tgt Ion:173 Resp: 2300
Ion Ratio Lower Upper
173 100
175 636.8 23.8 71.5#
254 0.0 0.0 0.0



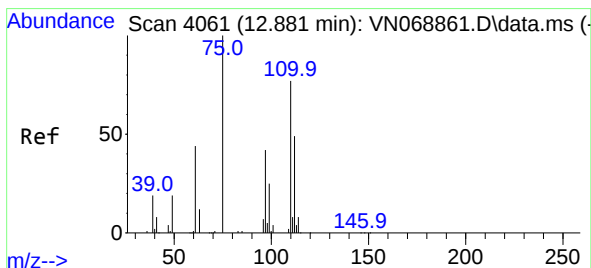
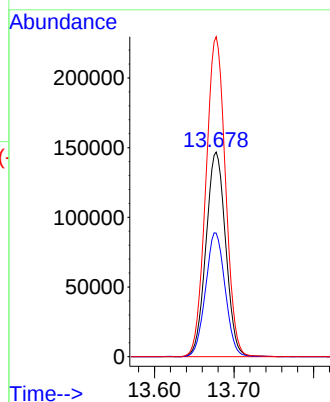
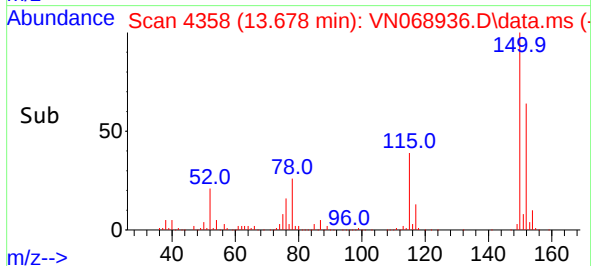


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068936.D
Acq: 14 Oct 2021 20:02

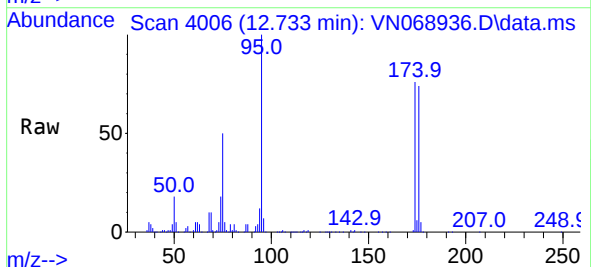
Instrument :
MSVOA_N
ClientSampled :



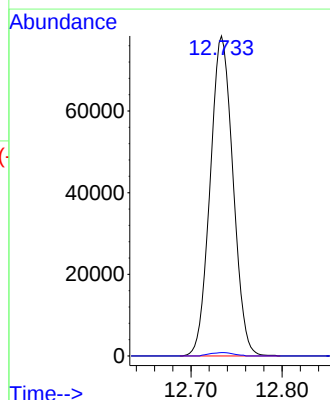
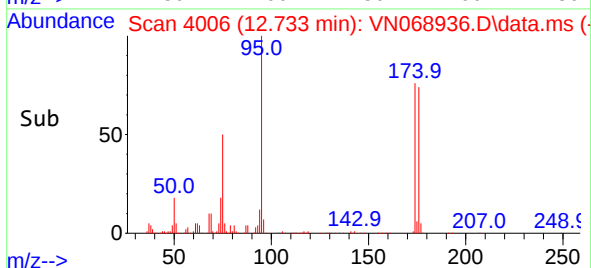
Tgt Ion:152 Resp: 252332
Ion Ratio Lower Upper
152 100
115 60.4 31.4 94.3
150 155.6 0.0 351.0

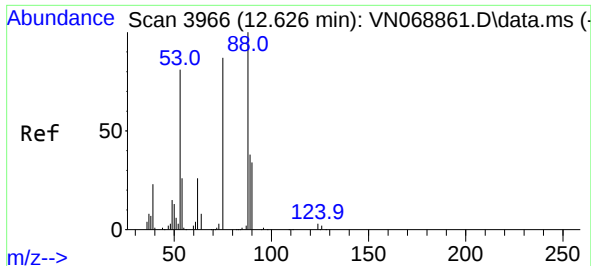


#76
1,2,3-Trichloropropane
Concen: 25.434 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068936.D
Acq: 14 Oct 2021 20:02



Tgt Ion: 75 Resp: 136554
Ion Ratio Lower Upper
75 100
77 1.1 96.2 288.4#

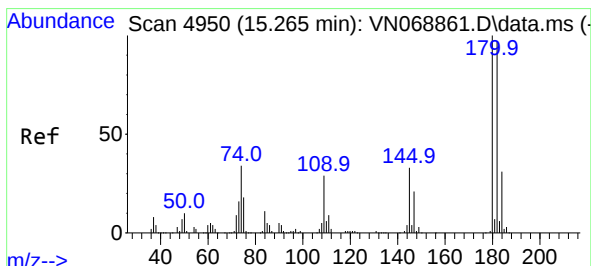
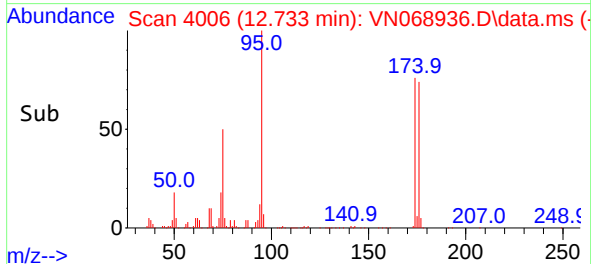
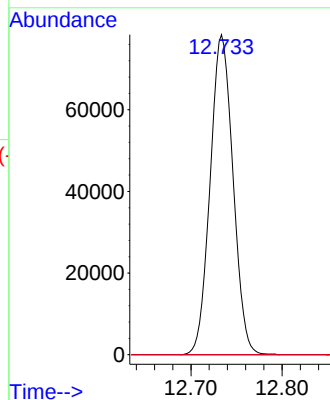
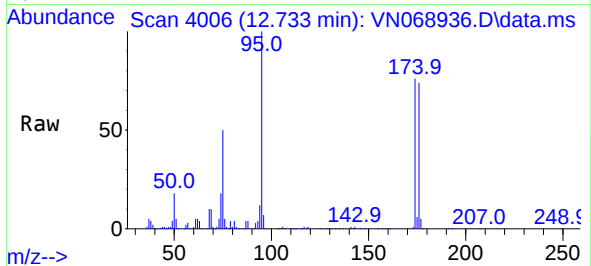




#81
trans-1,4-Dichloro-2-butene
Concen: 60.850 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068936.D
Acq: 14 Oct 2021 20:02

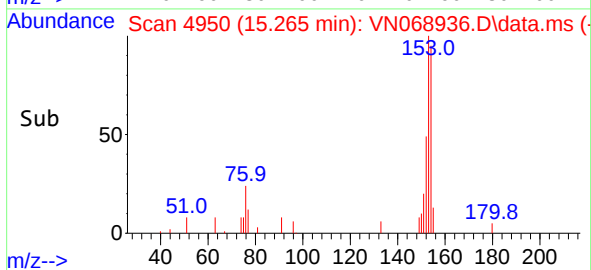
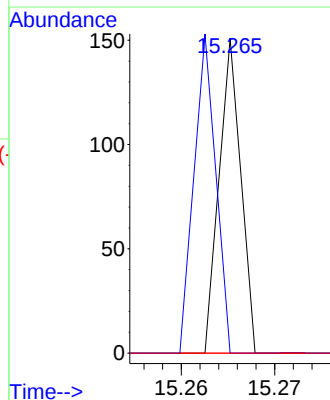
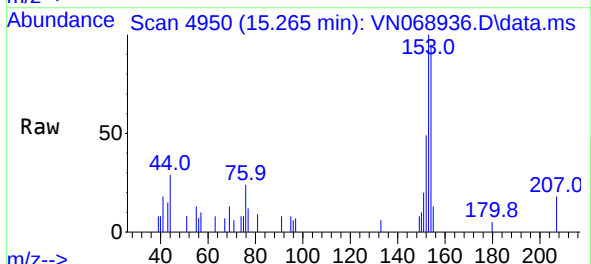
Instrument :
MSVOA_N
ClientSampleId :

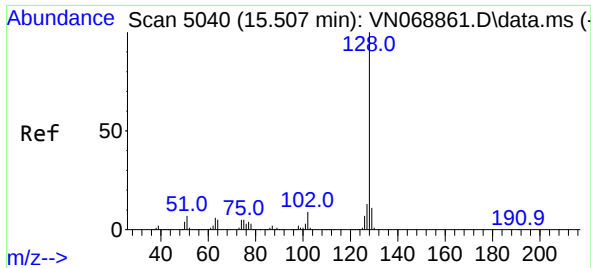
Tgt Ion: 75 Resp: 136554
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.607 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068936.D
Acq: 14 Oct 2021 20:02

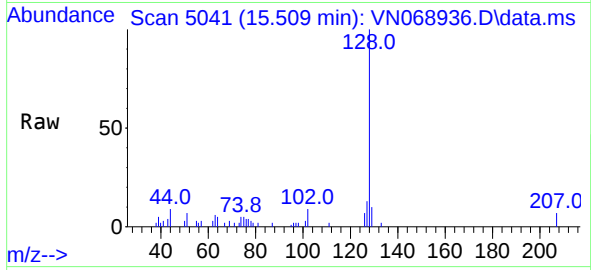
Tgt Ion:180 Resp: 24
Ion Ratio Lower Upper
180 100
182 104.2 47.9 143.7
145 0.0 16.4 49.2#





#95
Naphthalene
Concen: 5.413 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068936.D
Acq: 14 Oct 2021 20:02

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 20299

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	12.1	8.9	13.3

