

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN068976.D
 Acq On : 18 Oct 2021 13:53
 Operator : JC/MD
 Sample : M4243-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 06:35:36 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

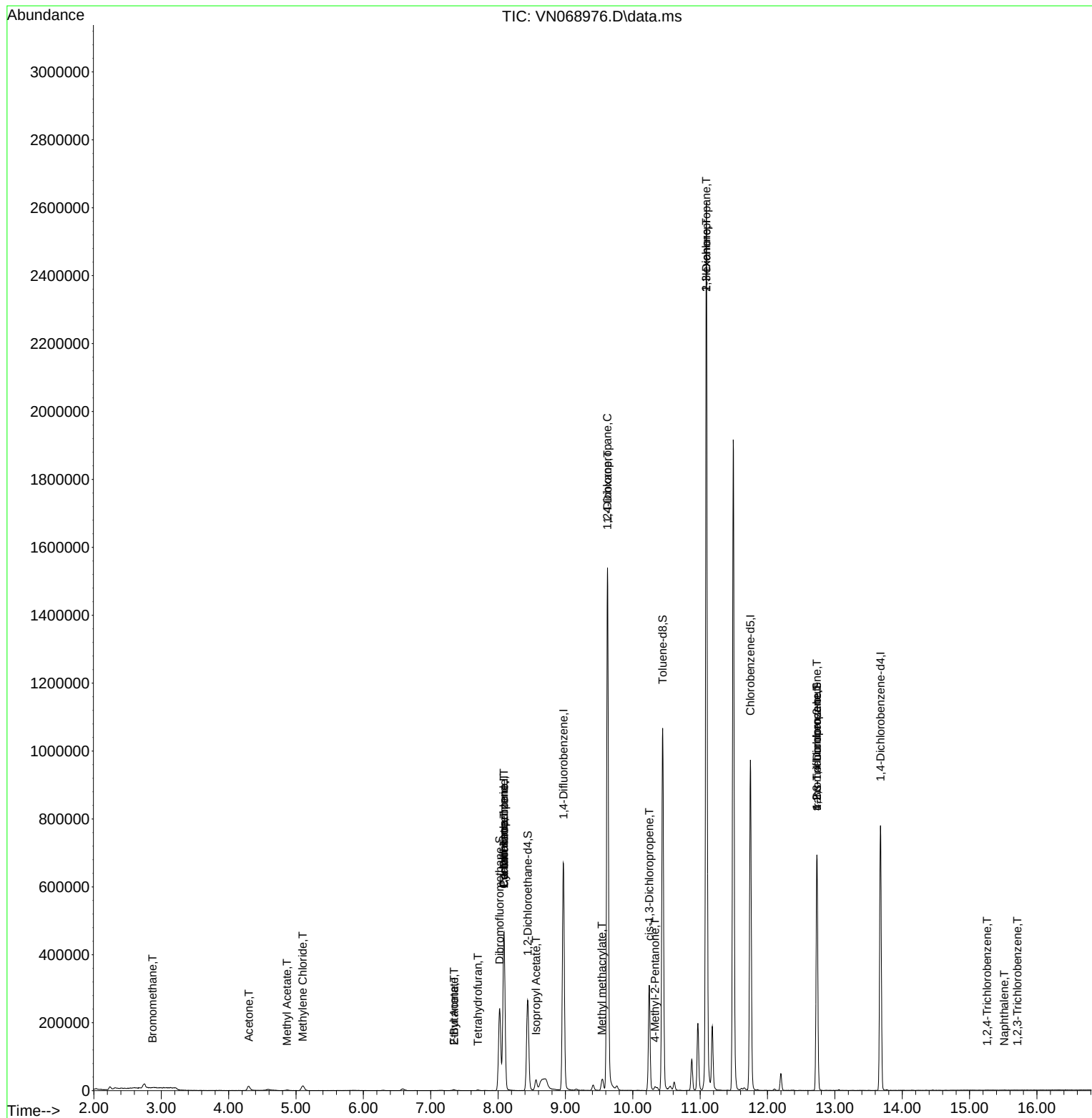
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	354003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	604215	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	567155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	211142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	227750	48.796	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.600%
35) Dibromofluoromethane	8.024	113	179069	50.939	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.880%
50) Toluene-d8	10.443	98	762246	54.192	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	108.380%
62) 4-Bromofluorobenzene	12.734	95	258167	48.648	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.300%
Target Compounds						
					Qvalue	
5) Bromomethane	2.872	94	615	0.254	ug/l #	79
16) Acetone	4.299	43	23816	13.673	ug/l	97
18) Methyl Acetate	4.867	43	3866	0.585	ug/l #	80
20) Methylene Chloride	5.101	84	11700	2.918	ug/l	99
25) 2-Butanone	7.345	43	4673	1.774	ug/l	94
29) Tetrahydrofuran	7.699	42	716	0.419	ug/l	87
31) Cyclohexane	8.086	56	7804	1.075	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	28755	5.572	ug/l #	43
37) Ethyl Acetate	7.345	43	4673	0.877	ug/l #	68
38) Carbon Tetrachloride	8.088	117	37219	6.566	ug/l #	14
43) Isopropyl Acetate	8.563	43	39179	4.166	ug/l #	88
45) 1,2-Dichloropropane	9.622	63	1909	0.468	ug/l #	43
48) Methyl methacrylate	9.542	41	9515	2.153	ug/l #	13
49) 1,4-Dioxane	9.625	88	81	36.541	ug/l #	1
51) 4-Methyl-2-Pentanone	10.331	43	5703	1.046	ug/l #	85
54) cis-1,3-Dichloropropene	10.245	75	58302	8.576	ug/l #	59
57) 1,3-Dichloropropane	11.092	76	27666	4.209	ug/l #	42
59) 2-Hexanone	11.092	43	404957	103.552	ug/l #	50
76) 1,2,3-Trichloropropane	12.734	75	132731	29.545	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	132731	70.685	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.263	180	204	2.656	ug/l #	31
95) Naphthalene	15.515	128	1265	3.931	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.708	180	109	2.544	ug/l #	12

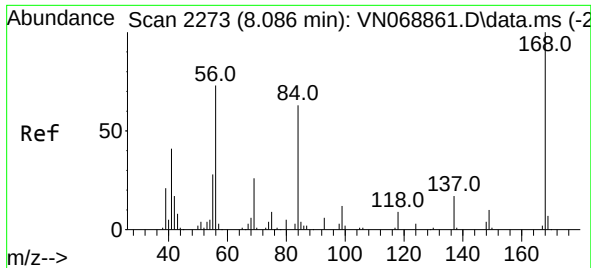
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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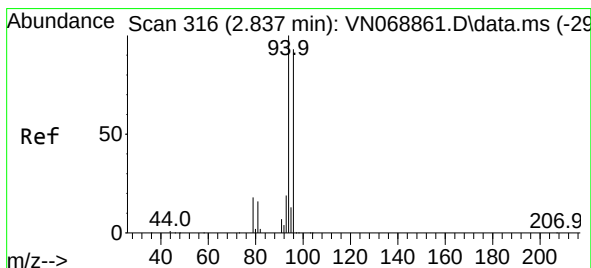
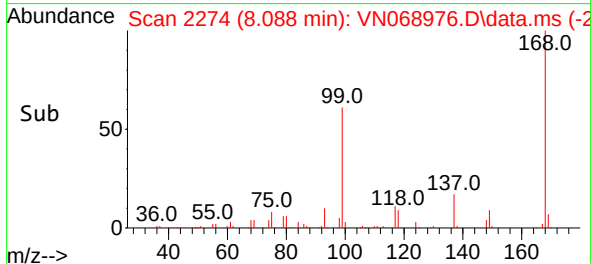
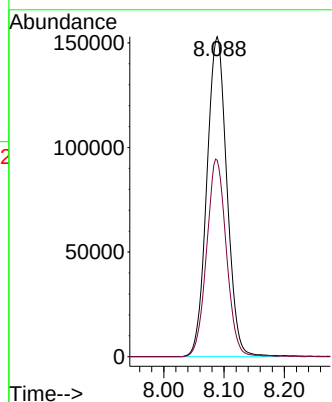
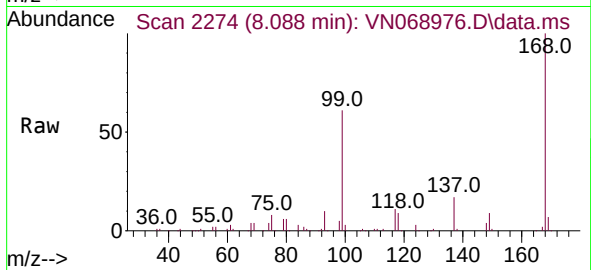




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068976.D
Acq: 18 Oct 2021 13:53

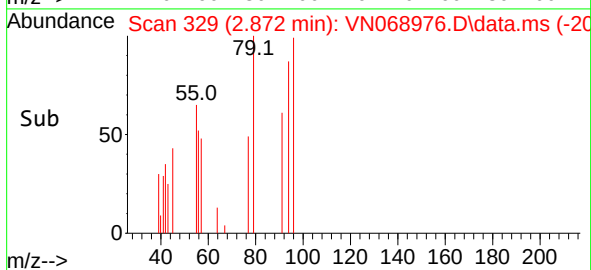
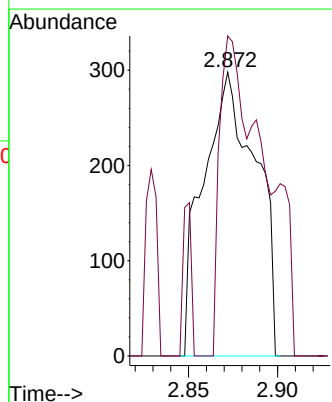
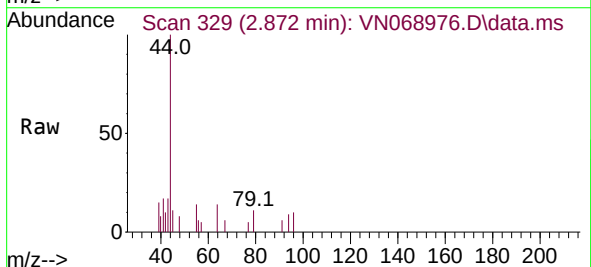
Instrument :
MSVOA_N
ClientSampled :

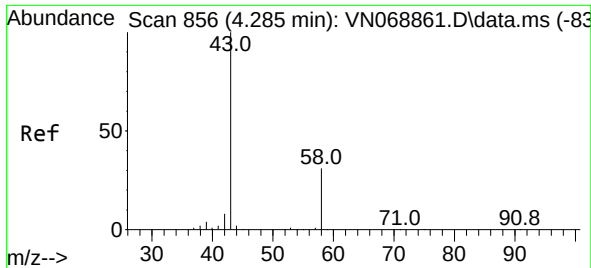
Tgt Ion:168 Resp: 354003
Ion Ratio Lower Upper
168 100
99 61.4 48.9 73.3



#5
Bromomethane
Concen: 0.254 ug/l
RT: 2.872 min Scan# 329
Delta R.T. 0.035 min
Lab File: VN068976.D
Acq: 18 Oct 2021 13:53

Tgt Ion: 94 Resp: 615
Ion Ratio Lower Upper
94 100
96 112.8 74.2 111.4#

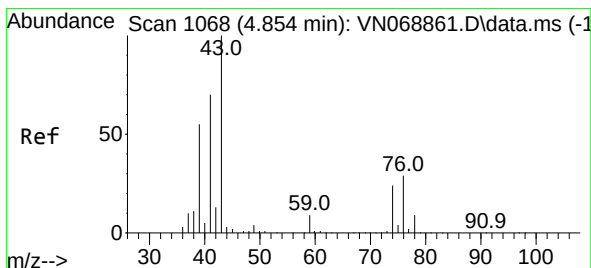
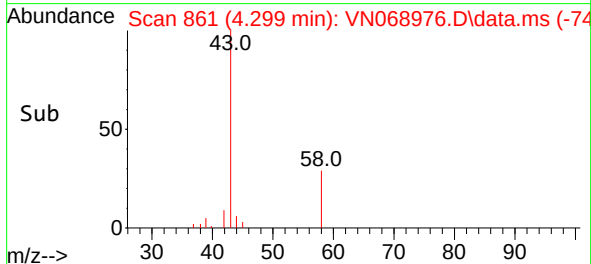
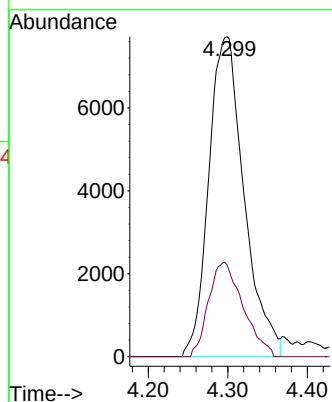
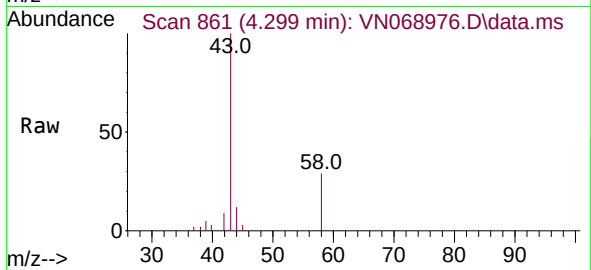




#16
Acetone
Concen: 13.673 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.014 min
Lab File: VN068976.D
Acq: 18 Oct 2021 13:53

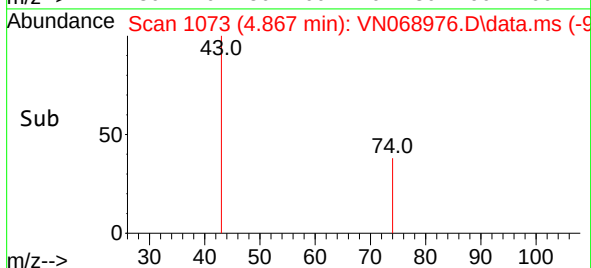
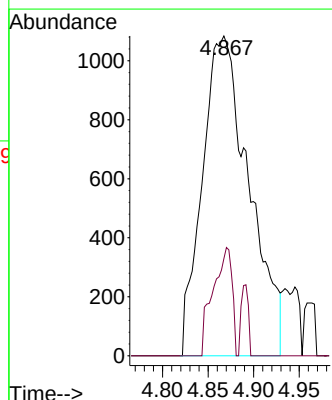
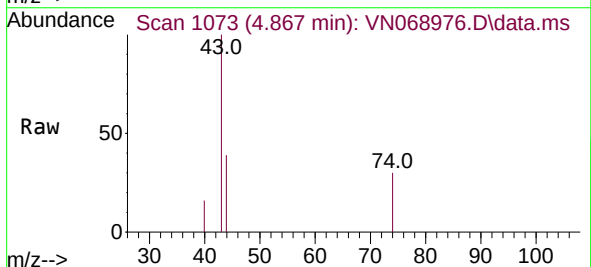
Instrument :
MSVOA_N
ClientSampled :

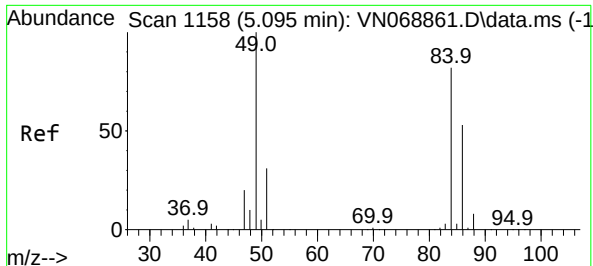
Tgt Ion: 43 Resp: 23816
Ion Ratio Lower Upper
43 100
58 28.8 24.5 36.7



#18
Methyl Acetate
Concen: 0.585 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.014 min
Lab File: VN068976.D
Acq: 18 Oct 2021 13:53

Tgt Ion: 43 Resp: 3866
Ion Ratio Lower Upper
43 100
74 13.8 18.9 28.3#



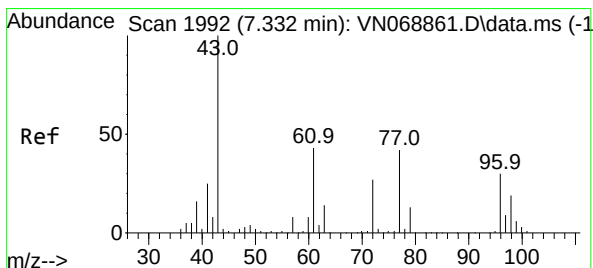
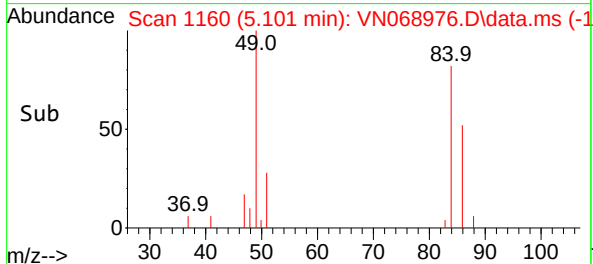
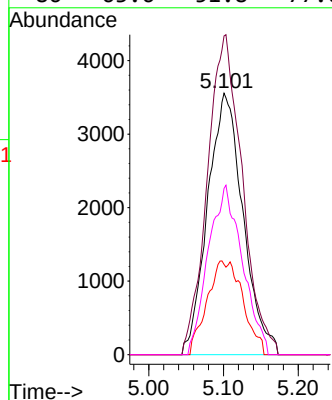
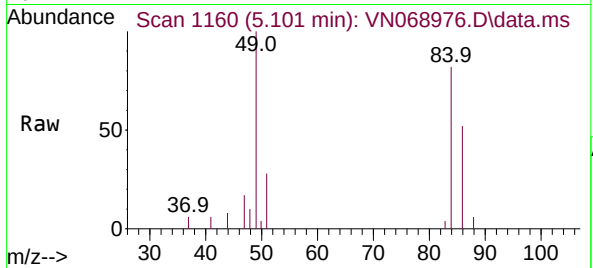


#20
Methylene Chloride
Concen: 2.918 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.005 min
Lab File: VN068976.D
Acq: 18 Oct 2021 13:53

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 84 Resp: 11700

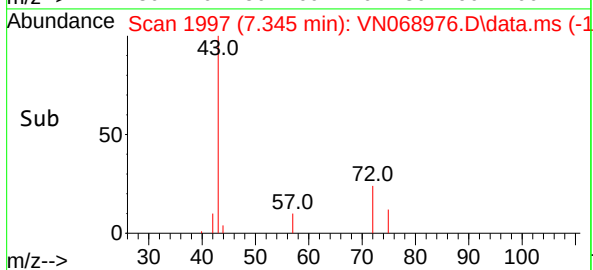
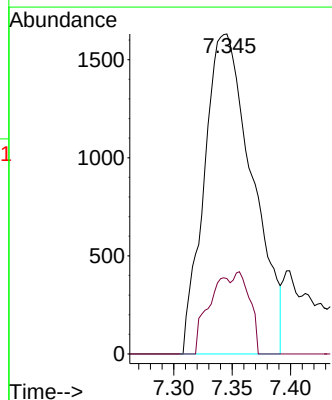
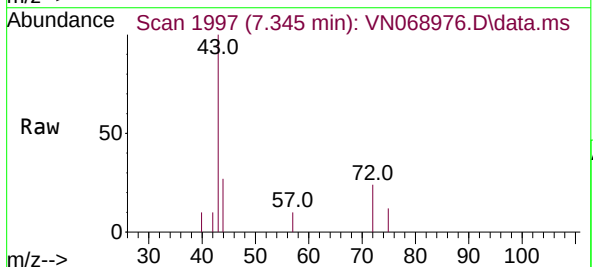
Ion	Ratio	Lower	Upper
84	100		
49	121.9	97.6	146.4
51	34.5	30.3	45.5
86	63.6	51.8	77.6

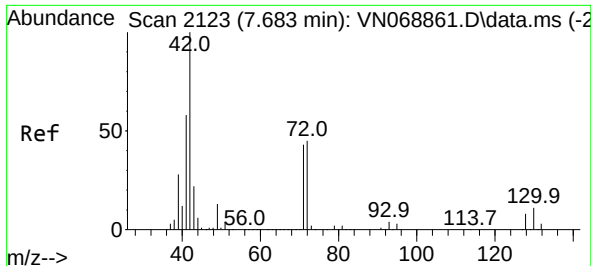


#25
2-Butanone
Concen: 1.774 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.014 min
Lab File: VN068976.D
Acq: 18 Oct 2021 13:53

Tgt Ion: 43 Resp: 4673

Ion	Ratio	Lower	Upper
43	100		
72	23.5	21.2	31.8





#29

Tetrahydrofuran

Concen: 0.419 ug/l

RT: 7.699 min Scan# 2129

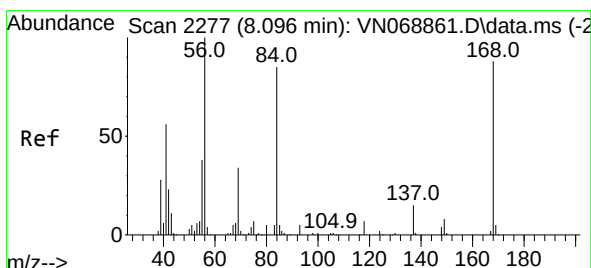
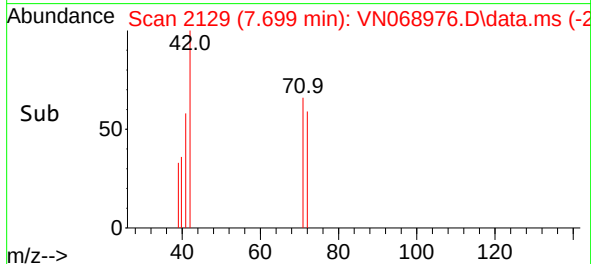
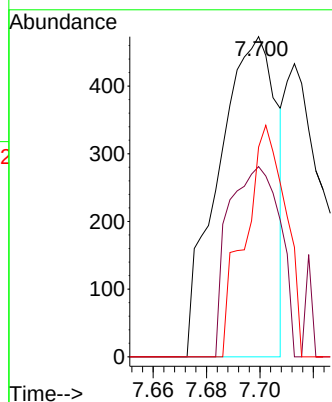
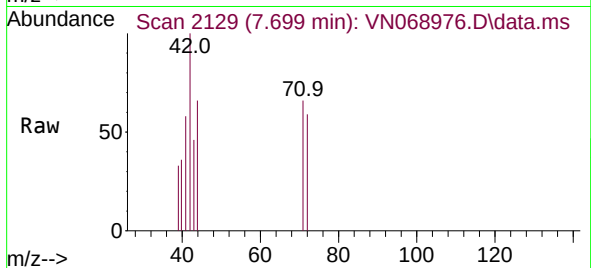
Delta R.T. 0.016 min

Lab File: VN068976.D

Acq: 18 Oct 2021 13:53

Tgt Ion:	42	Resp:	716
Ion	Ratio	Lower	Upper
42	100		
72	52.5	35.4	53.2
71	50.6	33.8	50.6

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.075 ug/l

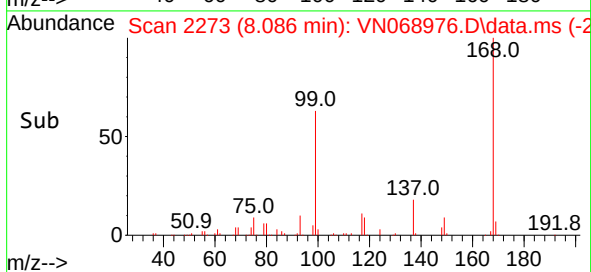
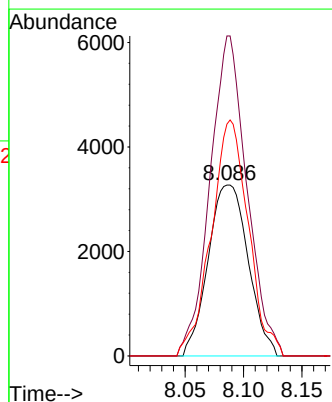
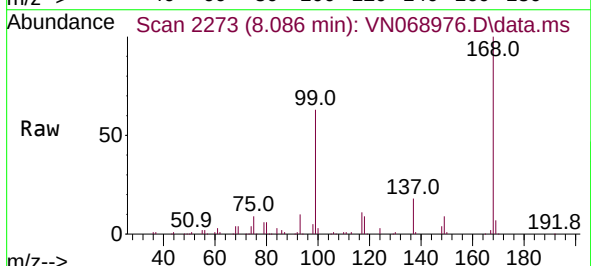
RT: 8.086 min Scan# 2273

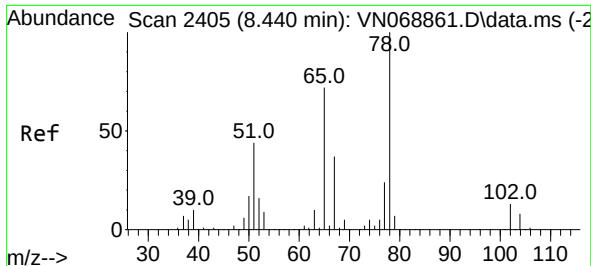
Delta R.T. -0.010 min

Lab File: VN068976.D

Acq: 18 Oct 2021 13:53

Tgt Ion:	56	Resp:	7804
Ion	Ratio	Lower	Upper
56	100		
69	182.1	26.9	40.3#
84	130.7	67.6	101.4#

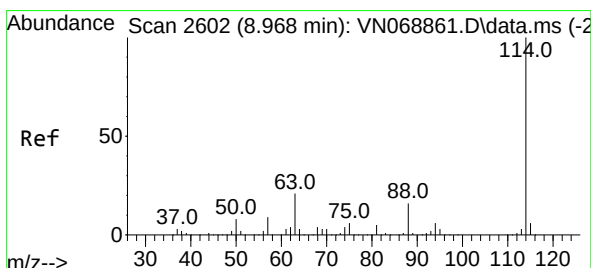
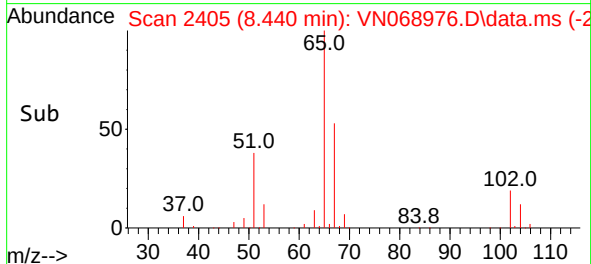
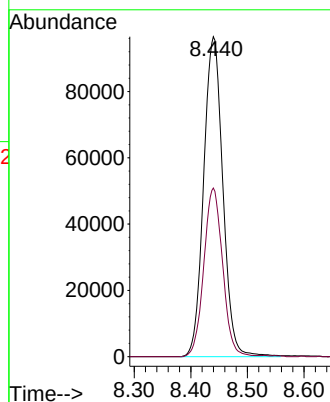
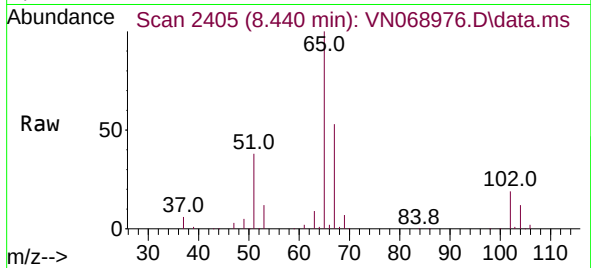




#33
 1,2-Dichloroethane-d4
 Concen: 48.796 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.000 min
 Lab File: VN068976.D
 Acq: 18 Oct 2021 13:53

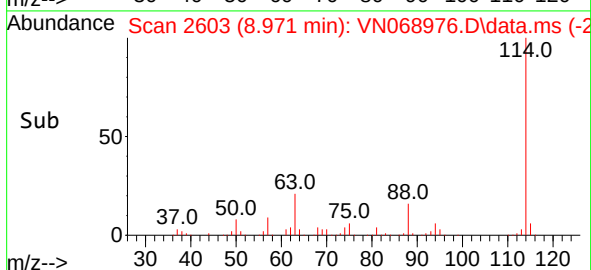
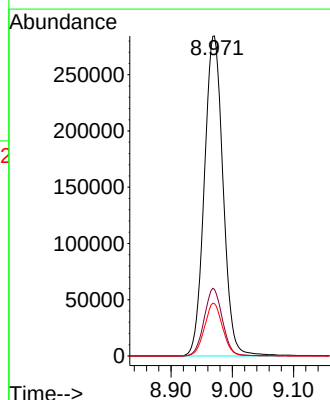
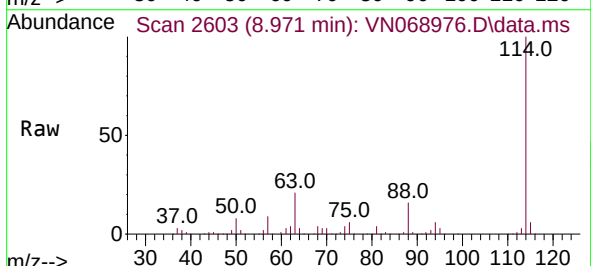
Instrument :
 MSVOA_N
 ClientSampled :

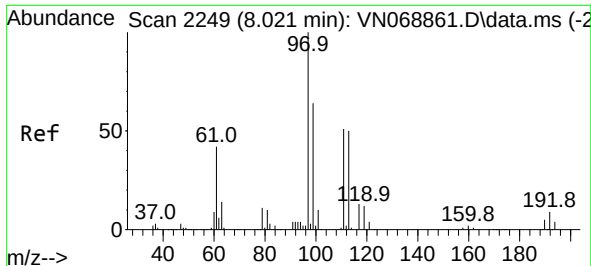
Tgt Ion: 65 Resp: 227750
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068976.D
 Acq: 18 Oct 2021 13:53

Tgt Ion: 114 Resp: 604215
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.6
 88 16.4 0.0 32.0

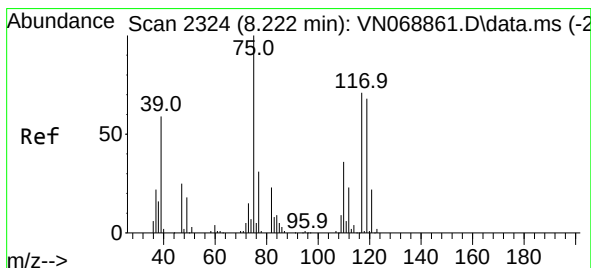
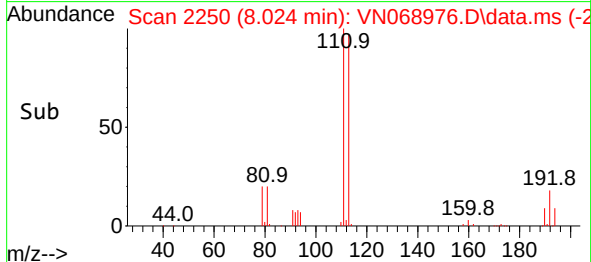
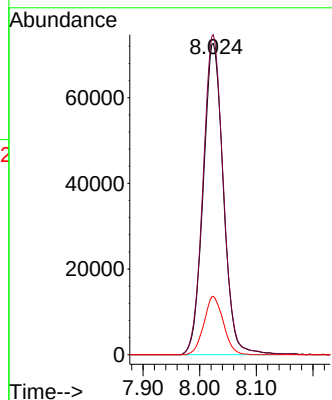
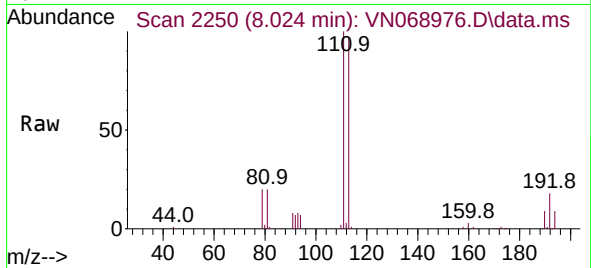




#35
Dibromofluoromethane
Concen: 50.939 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068976.D
Acq: 18 Oct 2021 13:53

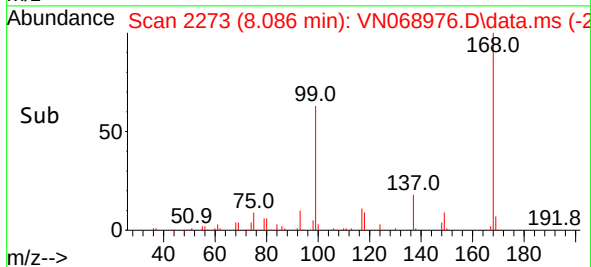
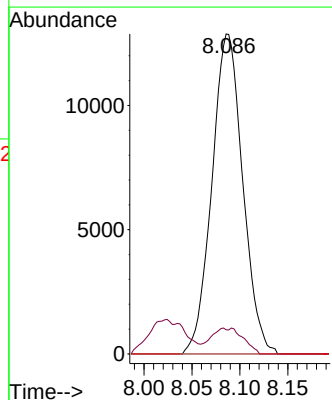
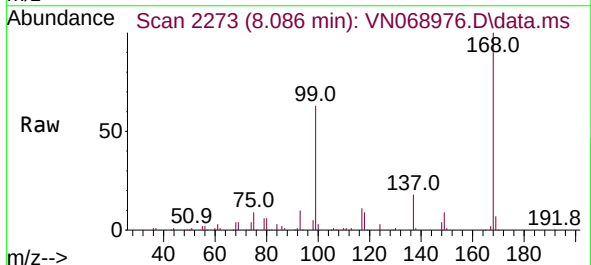
Instrument :
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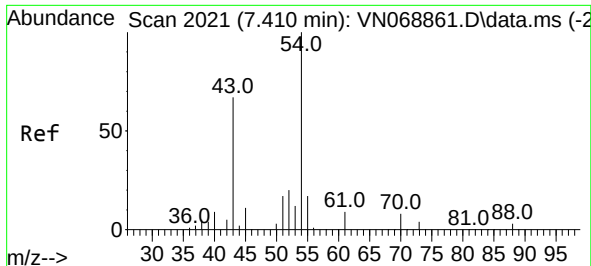
Tgt Ion:113 Resp: 179069
Ion Ratio Lower Upper
113 100
111 103.4 83.2 124.8
192 18.1 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.572 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068976.D
Acq: 18 Oct 2021 13:53

Tgt Ion: 75 Resp: 28755
Ion Ratio Lower Upper
75 100
110 2.3 17.9 53.8#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.877 ug/l

RT: 7.345 min Scan# 1997

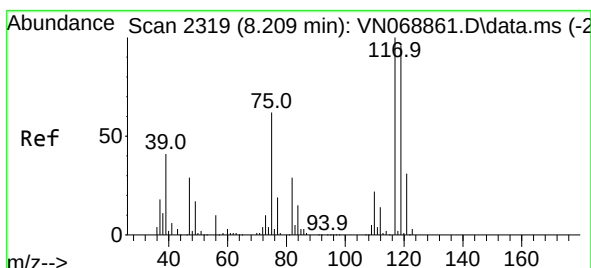
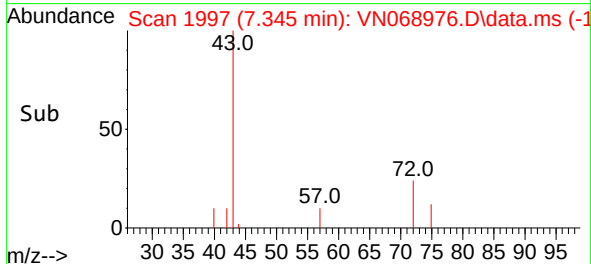
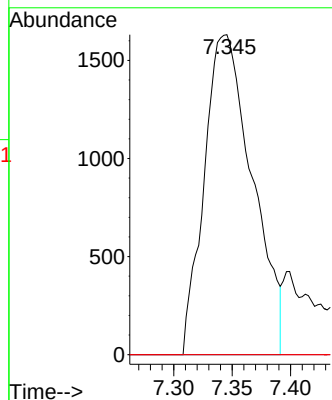
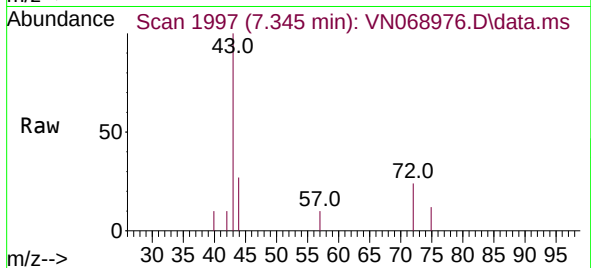
Delta R.T. -0.064 min

Lab File: VN068976.D

Acq: 18 Oct 2021 13:53

Tgt Ion:	43	Resp:	4673
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	0.0	8.4	12.6#

Instrument :
MSVOA_N
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.566 ug/l

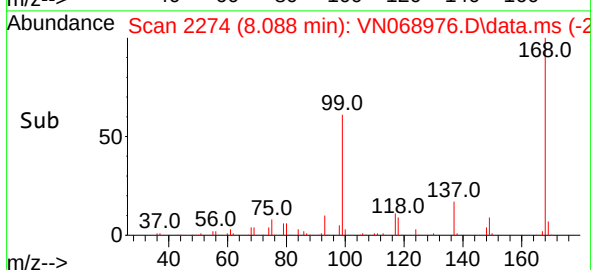
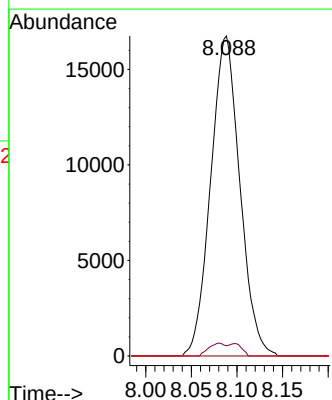
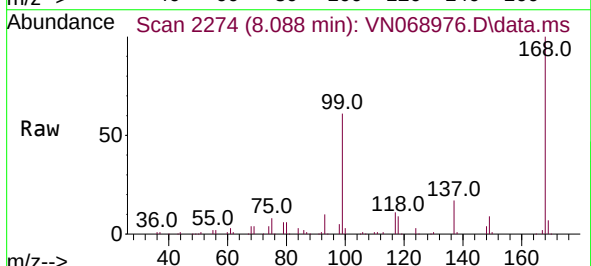
RT: 8.088 min Scan# 2274

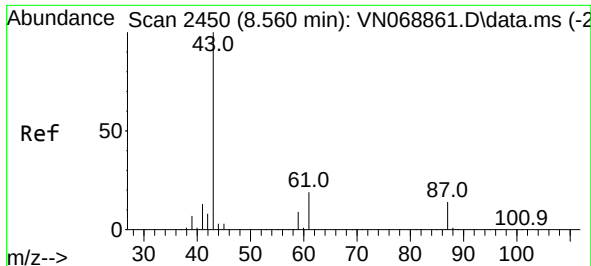
Delta R.T. -0.121 min

Lab File: VN068976.D

Acq: 18 Oct 2021 13:53

Tgt Ion:	117	Resp:	37219
Ion	Ratio	Lower	Upper
117	100		
119	3.2	76.9	115.3#
121	0.0	24.6	37.0#

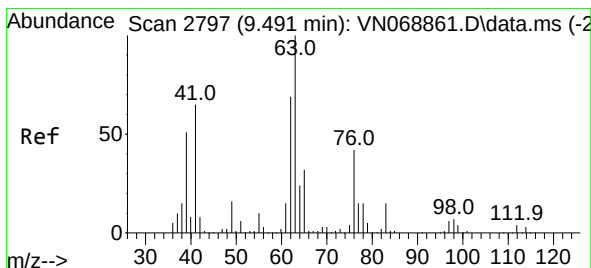
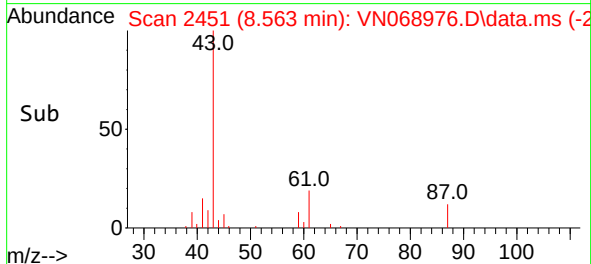
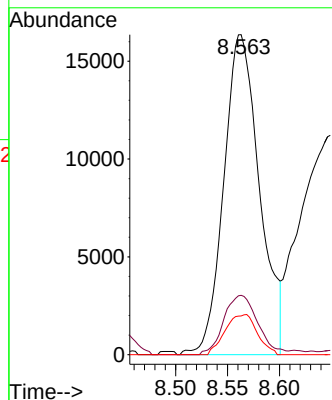
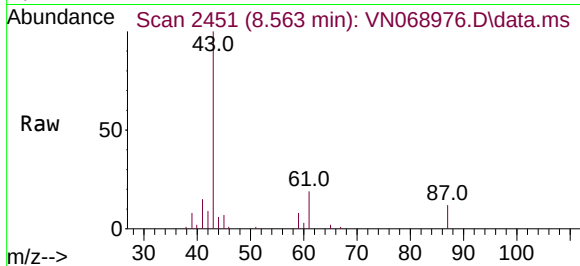




#43
Isopropyl Acetate
Concen: 4.166 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068976.D
Acq: 18 Oct 2021 13:53

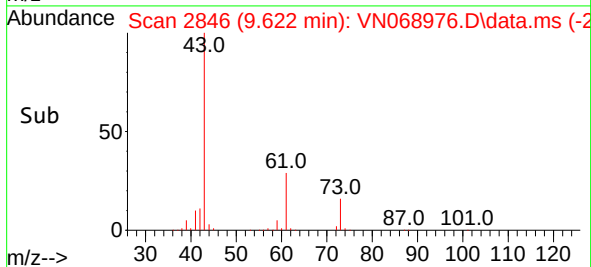
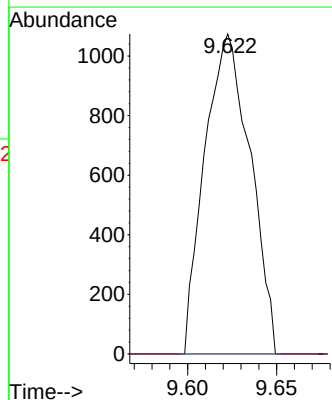
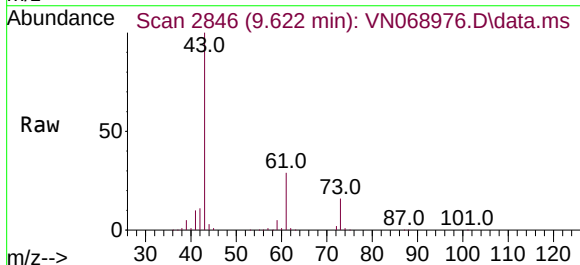
Instrument :
MSVOA_N
ClientSampled :

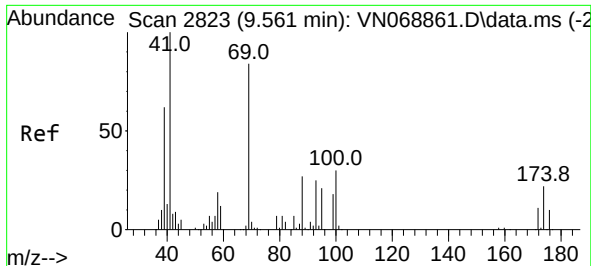
Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.7	20.4	30.6#
87	11.3	10.7	16.1



#45
1,2-Dichloropropane
Concen: 0.468 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.132 min
Lab File: VN068976.D
Acq: 18 Oct 2021 13:53

Tgt Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.6	38.4#

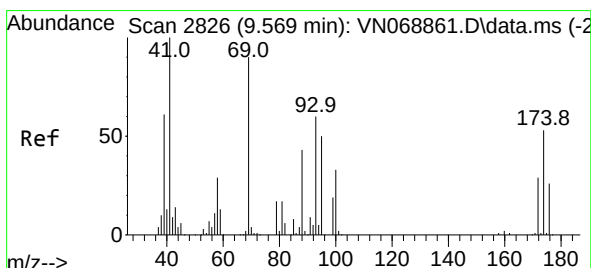
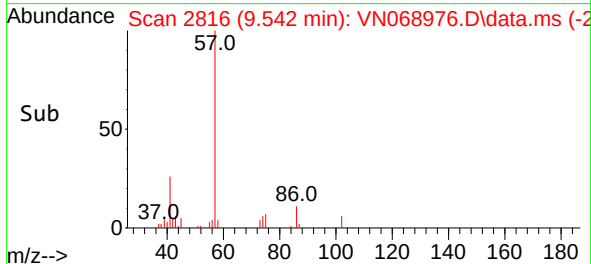
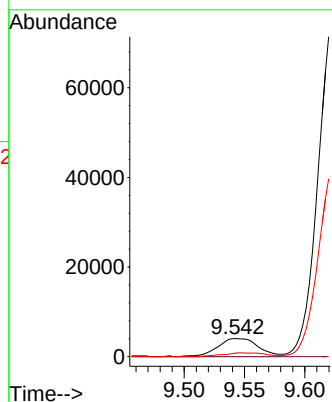
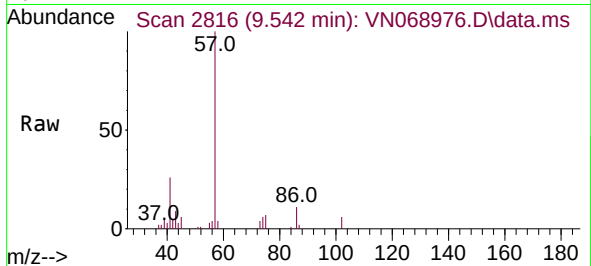




#48
Methyl methacrylate
Concen: 2.153 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.019 min
Lab File: VN068976.D
Acq: 18 Oct 2021 13:53

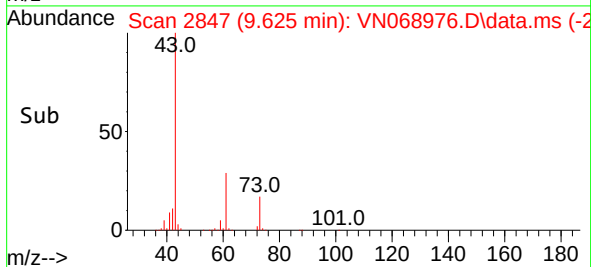
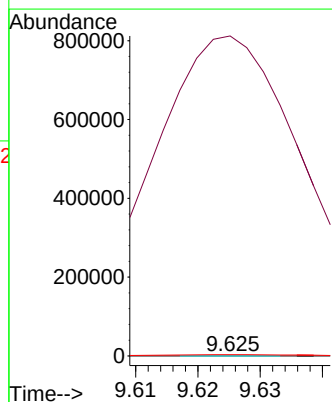
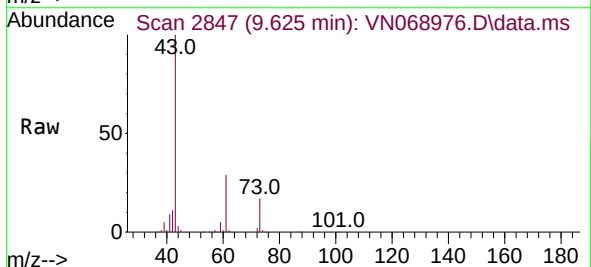
Instrument :
MSVOA_N
ClientSampleId :

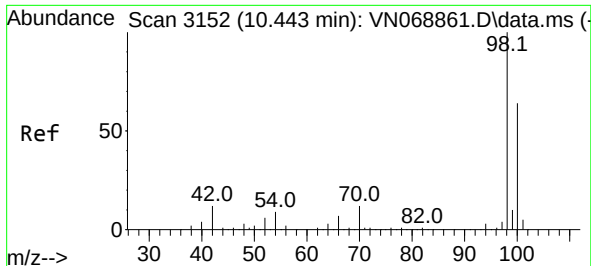
Tgt Ion: 41 Resp: 9515
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 36.541 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.056 min
Lab File: VN068976.D
Acq: 18 Oct 2021 13:53

Tgt Ion: 88 Resp: 81
Ion Ratio Lower Upper
88 100
43 1907344.4 24.9 37.3#
58 7602.5 56.9 85.3#

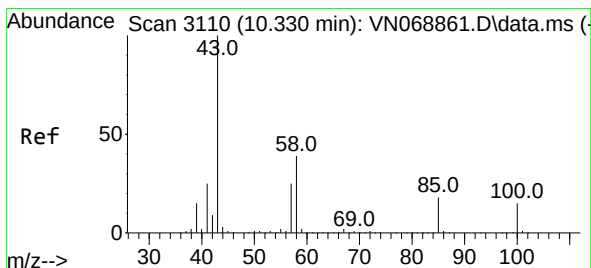
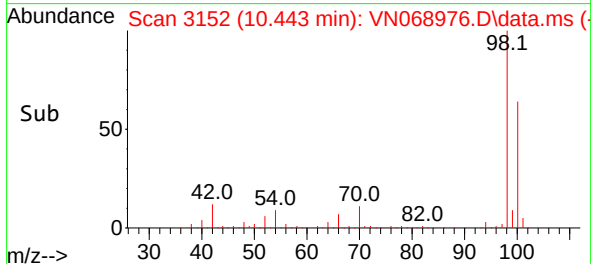
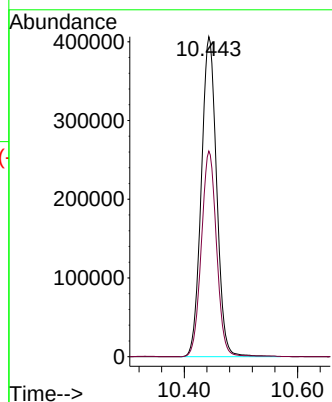
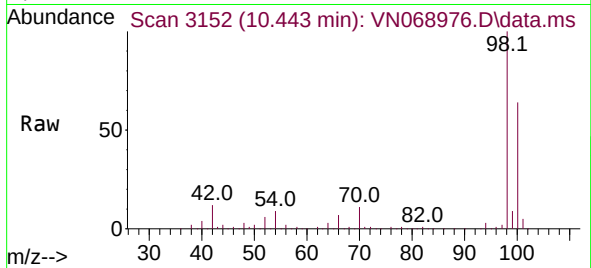




#50
Toluene-d8
Concen: 54.192 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068976.D
Acq: 18 Oct 2021 13:53

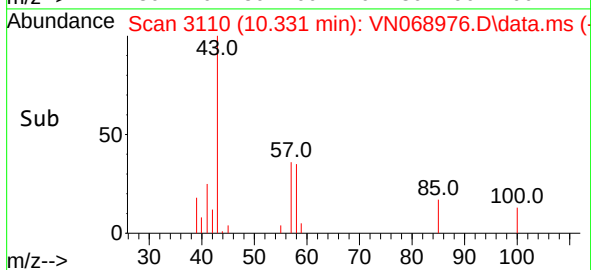
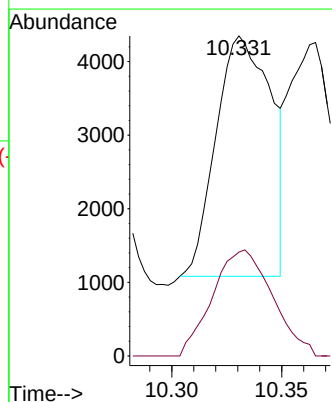
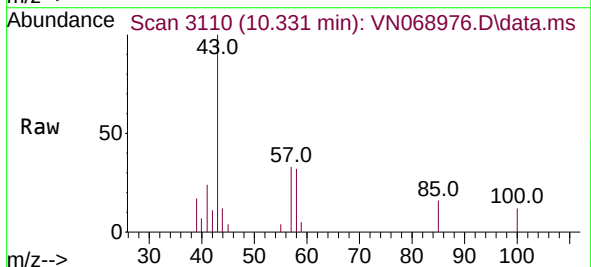
Instrument :
MSVOA_N
ClientSampled :

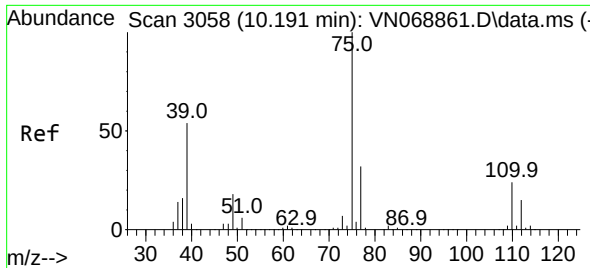
Tgt Ion: 98 Resp: 762246
Ion Ratio Lower Upper
98 100
100 63.8 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.046 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN068976.D
Acq: 18 Oct 2021 13:53

Tgt Ion: 43 Resp: 5703
Ion Ratio Lower Upper
43 100
58 47.8 31.0 46.4#

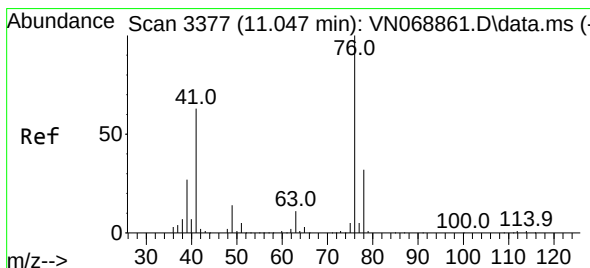
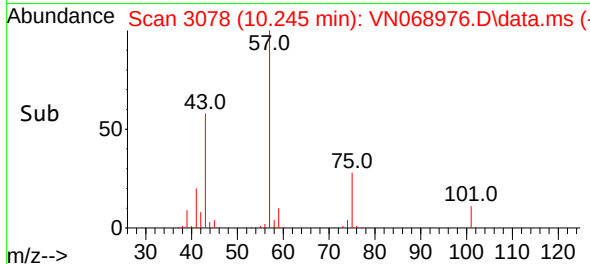
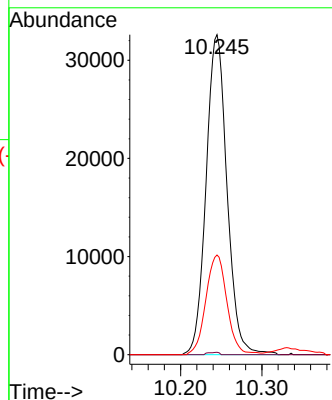
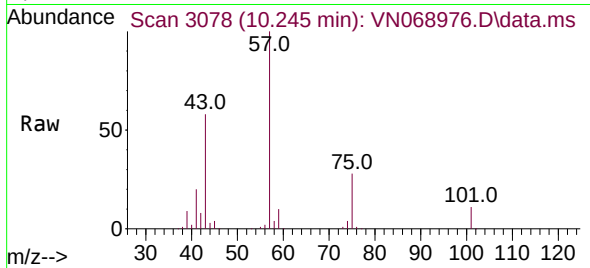




#54
 cis-1,3-Dichloropropene
 Concen: 8.576 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN068976.D
 Acq: 18 Oct 2021 13:53

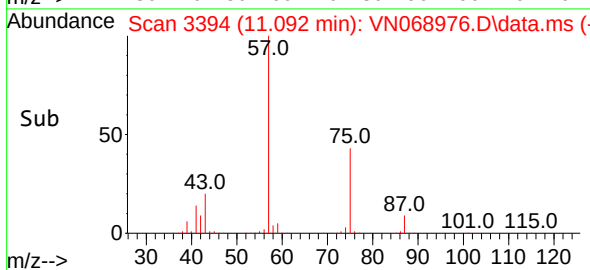
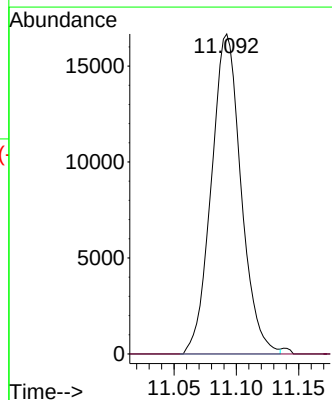
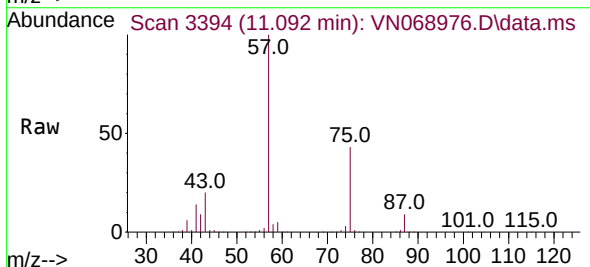
Instrument :
 MSVOA_N
 ClientSampled :

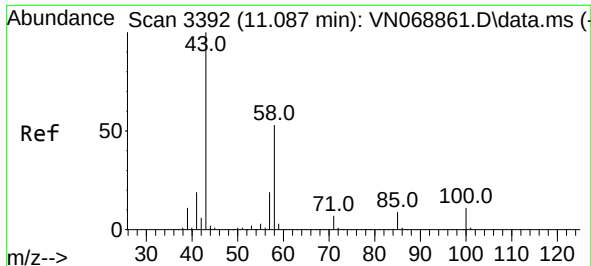
Tgt Ion: 75 Resp: 58302
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.6 38.4#
 39 31.1 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 4.209 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN068976.D
 Acq: 18 Oct 2021 13:53

Tgt Ion: 76 Resp: 27666
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

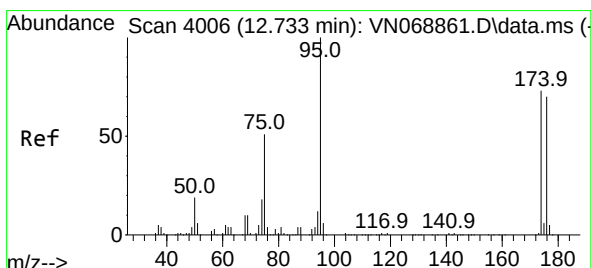
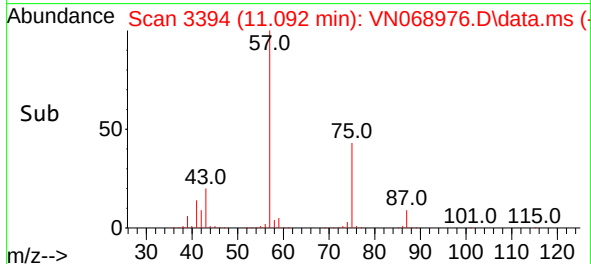
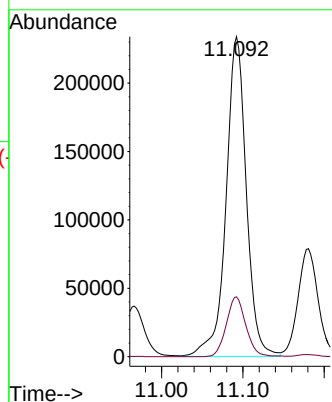
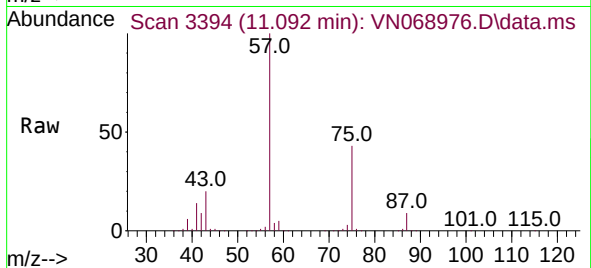




#59
2-Hexanone
Concen: 103.552 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068976.D
Acq: 18 Oct 2021 13:53

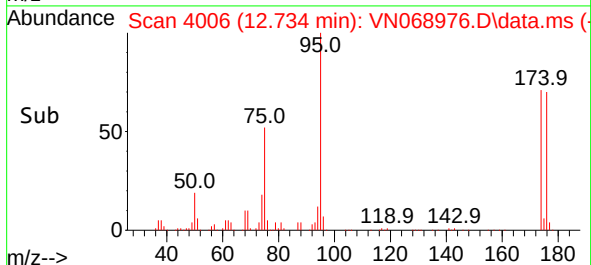
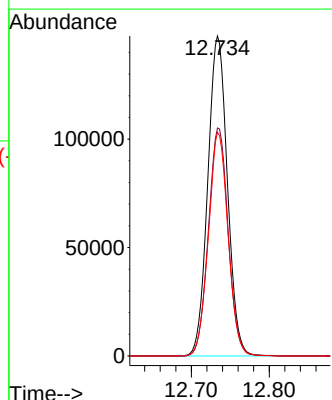
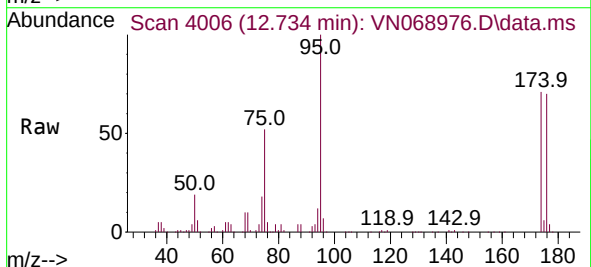
Instrument :
MSVOA_N
ClientSampled :

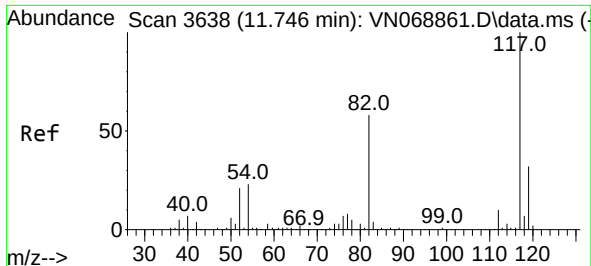
Tgt Ion: 43 Resp: 404957
Ion Ratio Lower Upper
43 100
58 18.2 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 48.648 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068976.D
Acq: 18 Oct 2021 13:53

Tgt Ion: 95 Resp: 258167
Ion Ratio Lower Upper
95 100
174 71.8 0.0 144.8
176 69.9 0.0 140.0

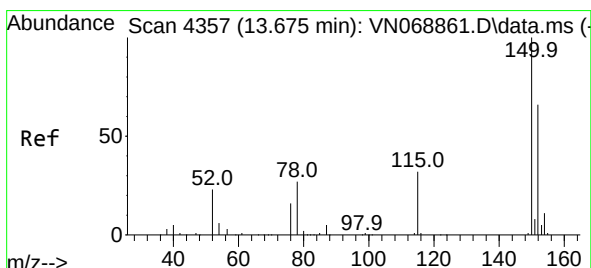
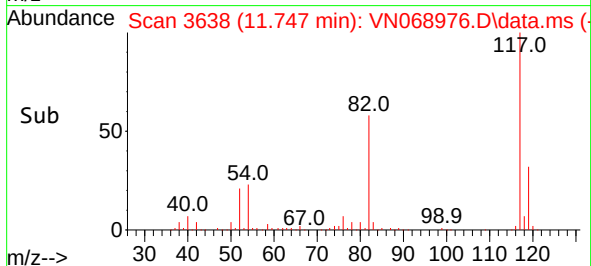
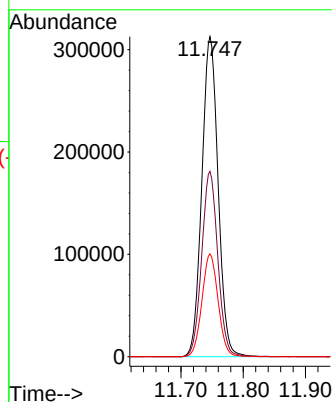
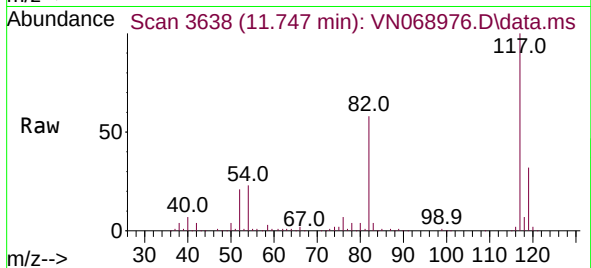




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068976.D
Acq: 18 Oct 2021 13:53

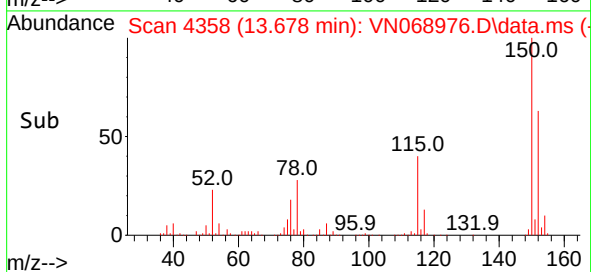
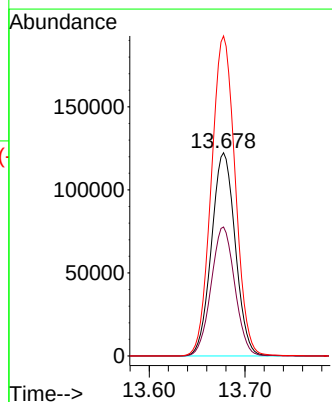
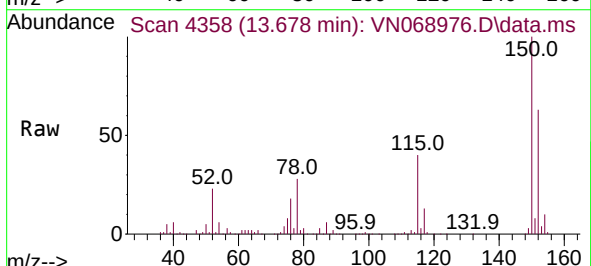
Instrument :
MSVOA_N
ClientSampleId :

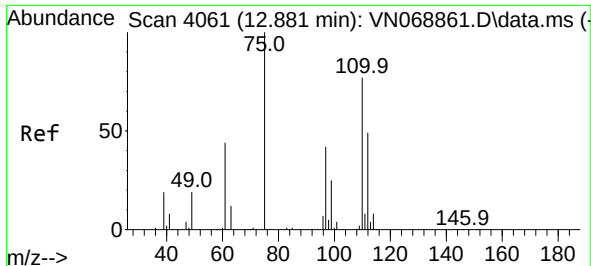
Tgt Ion:117 Resp: 567155
Ion Ratio Lower Upper
117 100
82 57.9 46.4 69.6
119 32.1 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068976.D
Acq: 18 Oct 2021 13:53

Tgt Ion:152 Resp: 211142
Ion Ratio Lower Upper
152 100
115 63.0 31.4 94.3
150 157.9 0.0 351.0

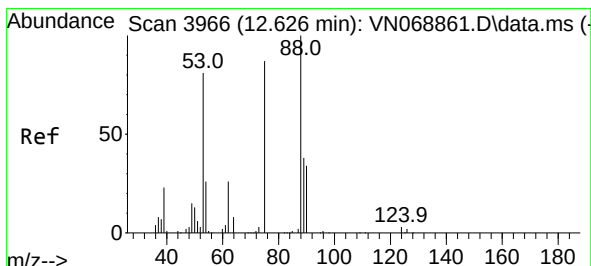
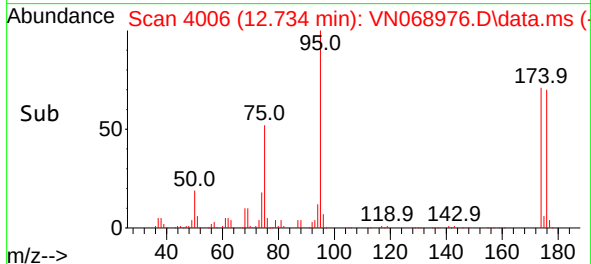
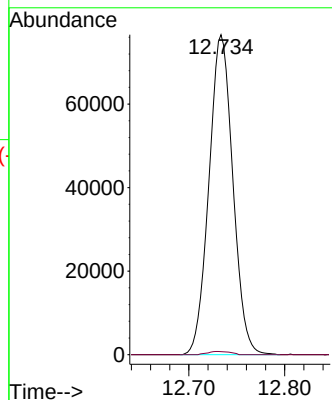
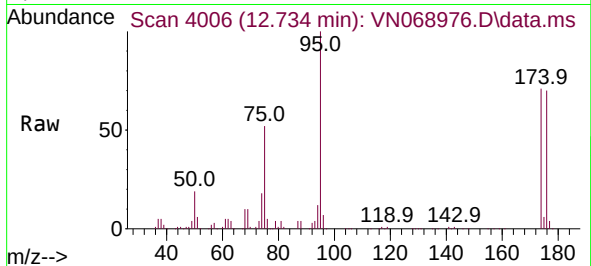




#76
1,2,3-Trichloropropane
Concen: 29.545 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068976.D
Acq: 18 Oct 2021 13:53

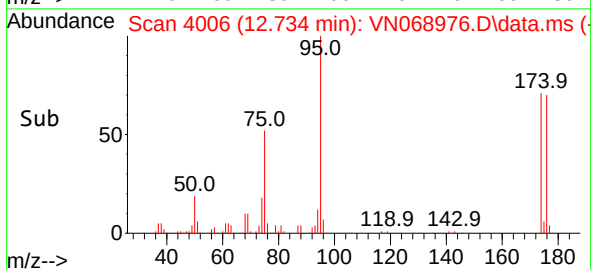
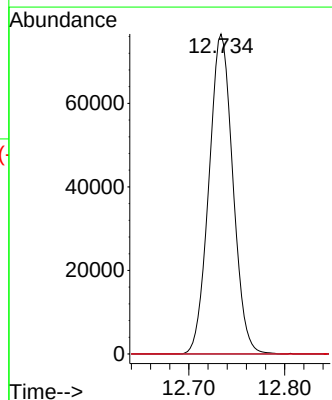
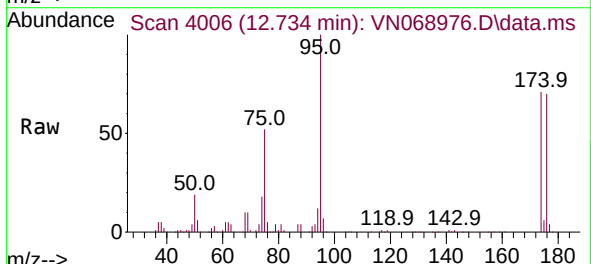
Instrument :
MSVOA_N
ClientSampled :

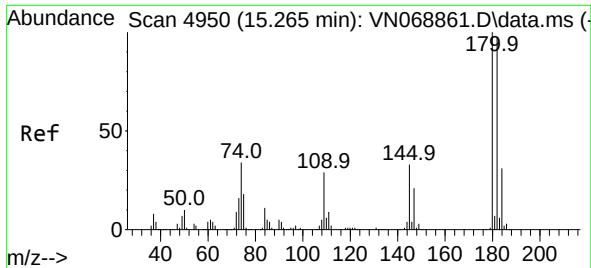
Tgt Ion: 75 Resp: 132731
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.685 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068976.D
Acq: 18 Oct 2021 13:53

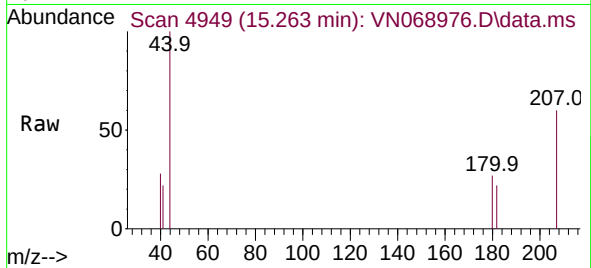
Tgt Ion: 75 Resp: 132731
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



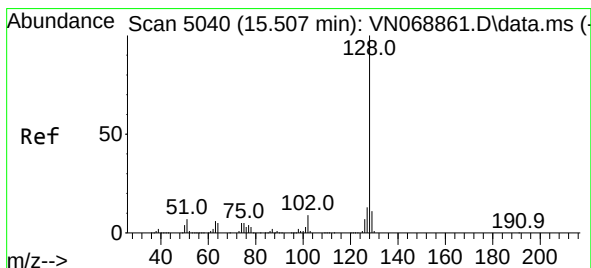
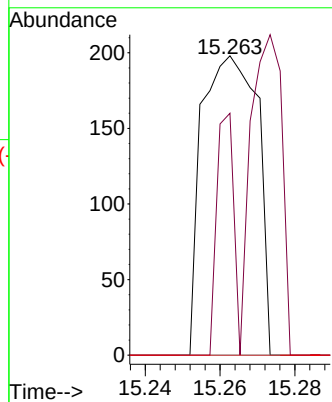
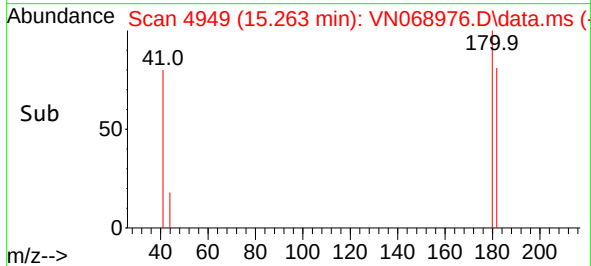


#93
1,2,4-Trichlorobenzene
Concen: 2.656 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN068976.D
Acq: 18 Oct 2021 13:53

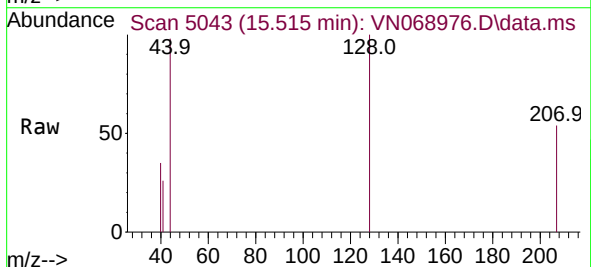
Instrument :
MSVOA_N
ClientSampleId :



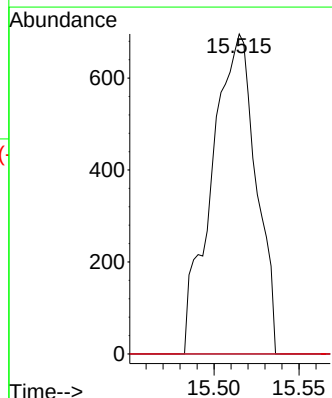
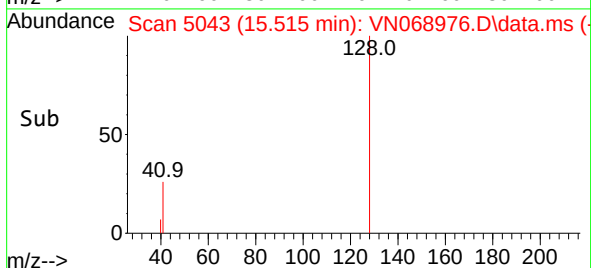
Tgt Ion:180 Resp: 204
Ion Ratio Lower Upper
180 100
182 24.5 47.9 143.7#
145 0.0 16.4 49.2#

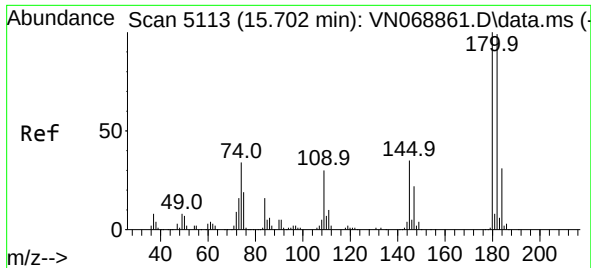


#95
Naphthalene
Concen: 3.931 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN068976.D
Acq: 18 Oct 2021 13:53



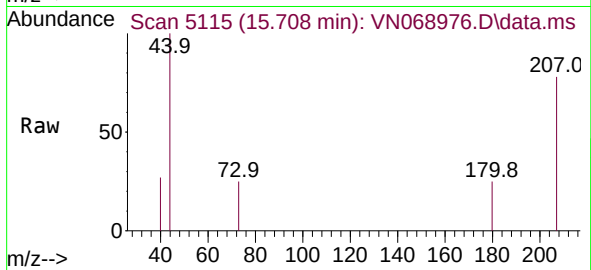
Tgt Ion:128 Resp: 1265
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.544 ug/l
 RT: 15.708 min Scan# 5115
 Delta R.T. 0.006 min
 Lab File: VN068976.D
 Acq: 18 Oct 2021 13:53

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	109
Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.1	144.3#
145	0.0	17.4	52.2#

