

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101921\
 Data File : VN069031.D
 Acq On : 19 Oct 2021 17:24
 Operator : JC/MD
 Sample : M4242-17
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 05:49:24 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)

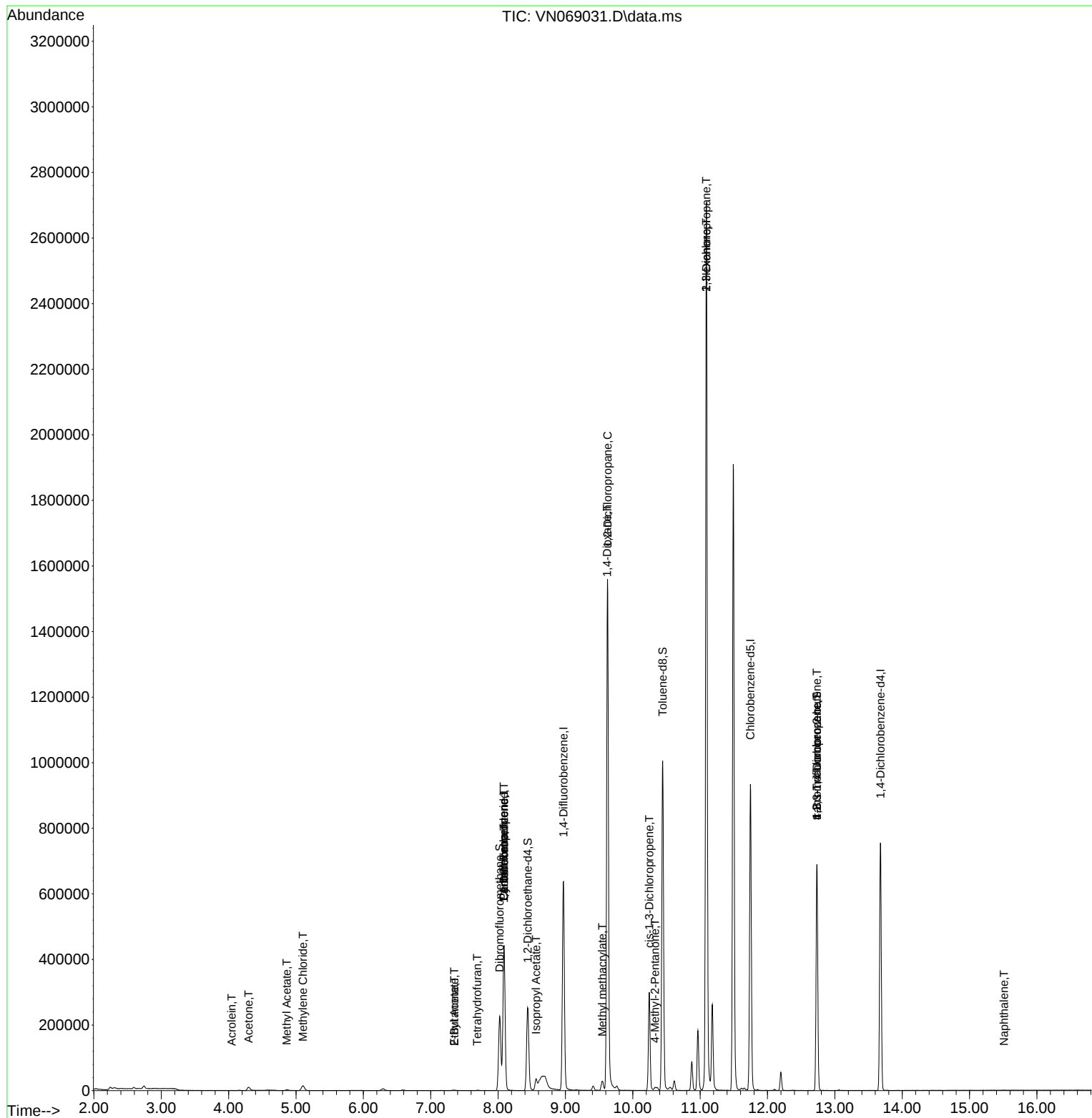
Internal Standards						
1) Pentafluorobenzene	8.088	168	329547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	576460	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	543673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	203149	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	216136	49.744	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.480%
35) Dibromofluoromethane	8.024	113	170542	50.849	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.700%
50) Toluene-d8	10.443	98	715378	53.309	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.620%
62) 4-Bromofluorobenzene	12.734	95	252823	49.935	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.880%
Target Compounds						
					Qvalue	
13) Acrolein	4.044	56	80	0.228	ug/l #	13
16) Acetone	4.296	43	19352	11.935	ug/l	97
18) Methyl Acetate	4.862	43	5059	0.823	ug/l #	67
20) Methylene Chloride	5.103	84	12532	3.358	ug/l	99
25) 2-Butanone	7.351	43	3611	1.473	ug/l	96
29) Tetrahydrofuran	7.691	42	415	0.261	ug/l #	84
31) Cyclohexane	8.088	56	7542	1.116	ug/l #	2
36) 1,1-Dichloropropene	8.086	75	27040	5.492	ug/l #	49
37) Ethyl Acetate	7.351	43	3611	0.710	ug/l #	68
38) Carbon Tetrachloride	8.088	117	34800	6.435	ug/l #	15
43) Isopropyl Acetate	8.566	43	42213	4.705	ug/l #	85
45) 1,2-Dichloropropane	9.628	63	1842	0.473	ug/l #	43
48) Methyl methacrylate	9.547	41	7333	1.739	ug/l #	13
49) 1,4-Dioxane	9.620	88	188	37.840	ug/l #	1
51) 4-Methyl-2-Pentanone	10.331	43	4464	0.858	ug/l #	71
54) cis-1,3-Dichloropropene	10.245	75	56636	8.732	ug/l #	57
57) 1,3-Dichloropropane	11.092	76	29511	4.706	ug/l #	42
59) 2-Hexanone	11.092	43	416852	111.726	ug/l #	50
76) 1,2,3-Trichloropropane	12.734	75	131307	30.378	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	131307	72.678	ug/l #	12
95) Naphthalene	15.509	128	656	3.876	ug/l #	69

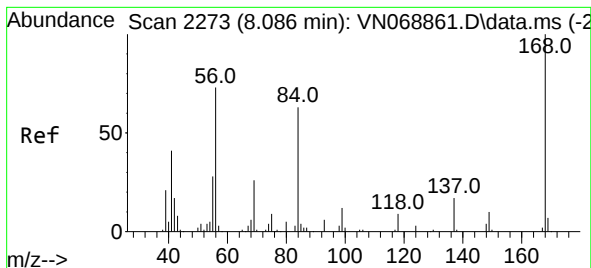
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN069031.D

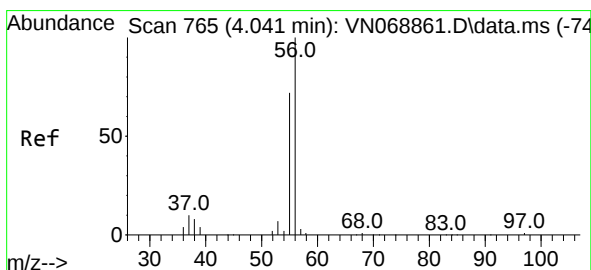
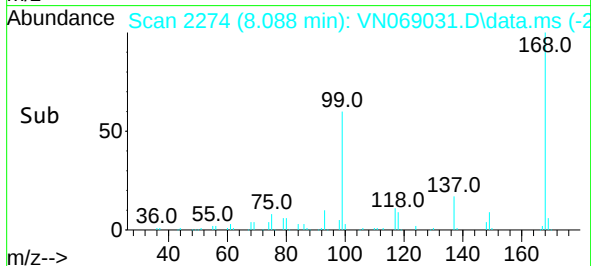
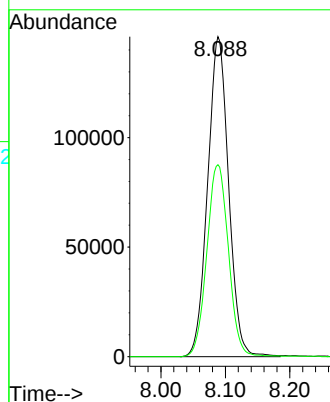
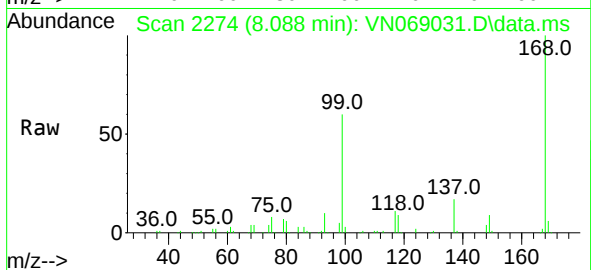
Acq: 19 Oct 2021 17:24

Tgt Ion:168 Resp: 329547

Ion Ratio Lower Upper

168 100

99 60.0 48.9 73.3



#13

Acrolein

Concen: 0.228 ug/l

RT: 4.044 min Scan# 766

Delta R.T. 0.003 min

Lab File: VN069031.D

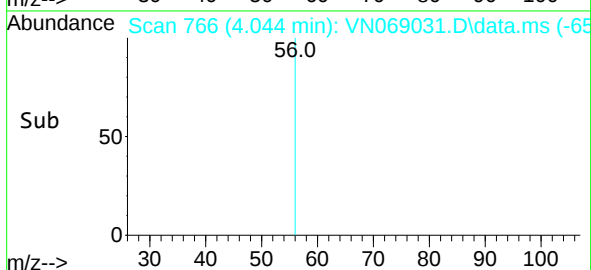
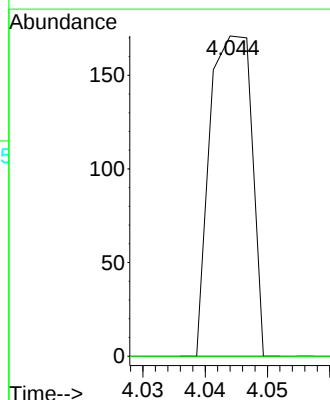
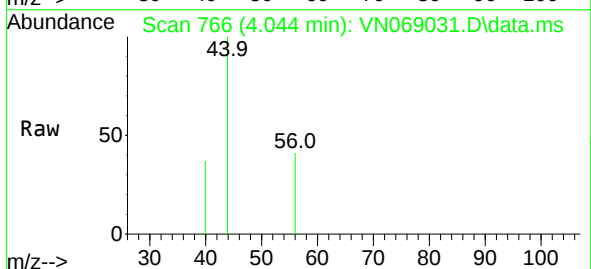
Acq: 19 Oct 2021 17:24

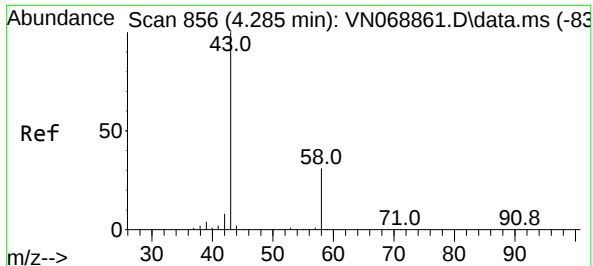
Tgt Ion: 56 Resp: 80

Ion Ratio Lower Upper

56 100

55 0.0 58.1 87.1#

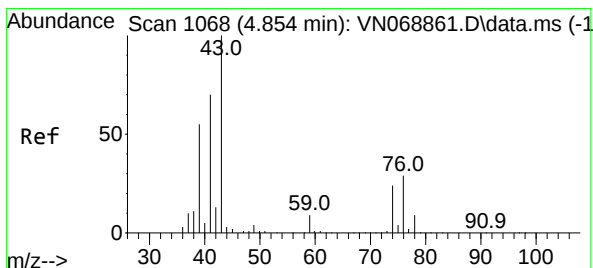
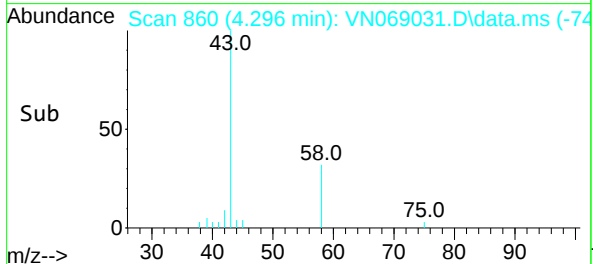
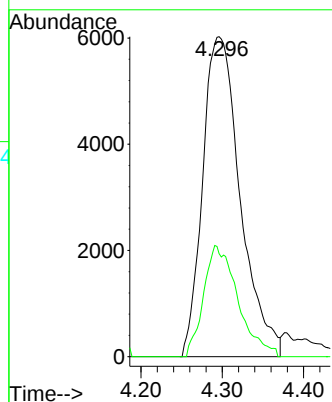
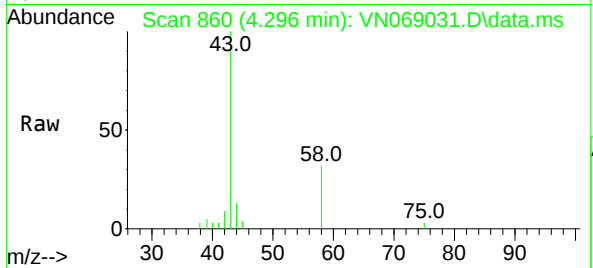




#16
Acetone
Concen: 11.935 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN069031.D
Acq: 19 Oct 2021 17:24

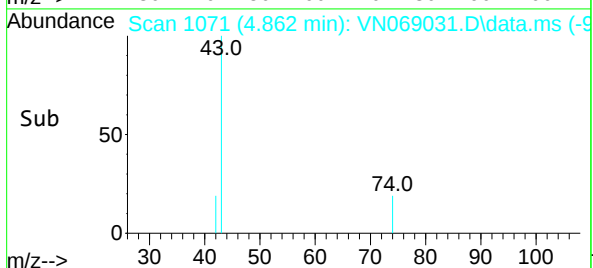
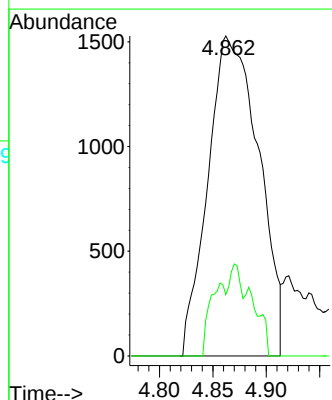
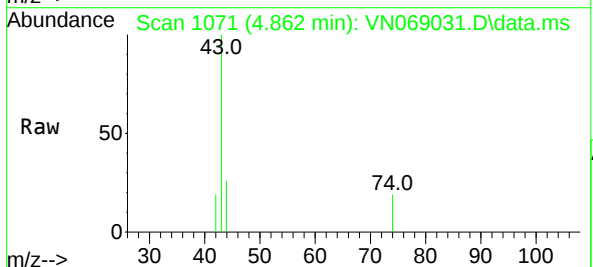
Instrument :
MSVOA_N
ClientSampled :

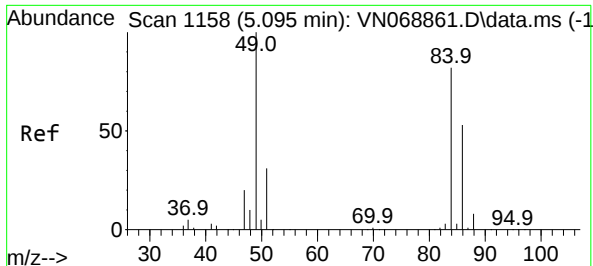
Tgt Ion: 43 Resp: 19352
Ion Ratio Lower Upper
43 100
58 32.2 24.5 36.7



#18
Methyl Acetate
Concen: 0.823 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN069031.D
Acq: 19 Oct 2021 17:24

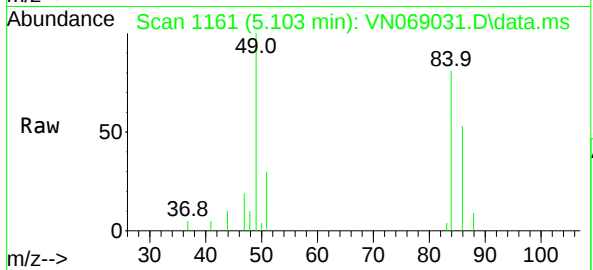
Tgt Ion: 43 Resp: 5059
Ion Ratio Lower Upper
43 100
74 7.3 18.9 28.3#



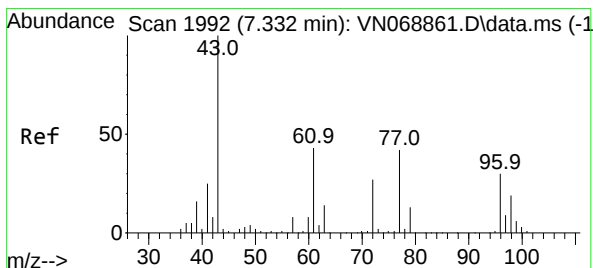
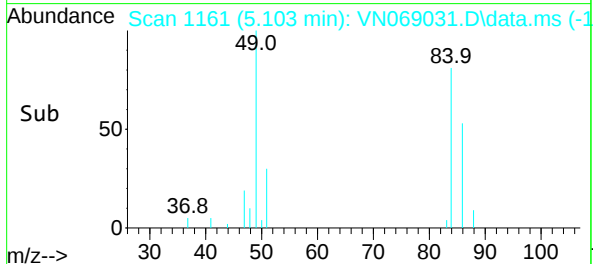
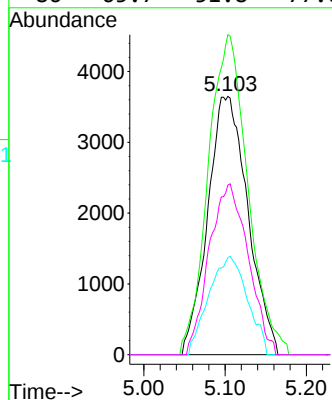


#20
Methylene Chloride
Concen: 3.358 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN069031.D
Acq: 19 Oct 2021 17:24

Instrument :
MSVOA_N
ClientSampled :

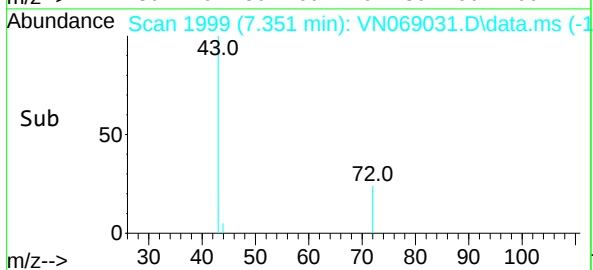
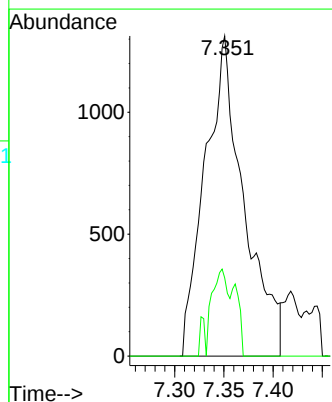
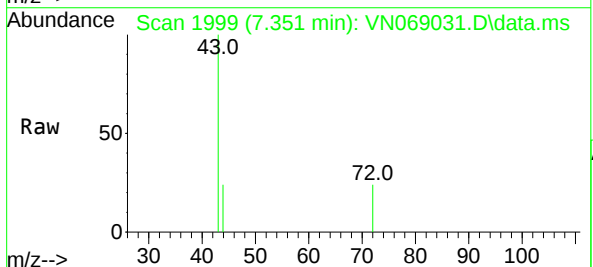


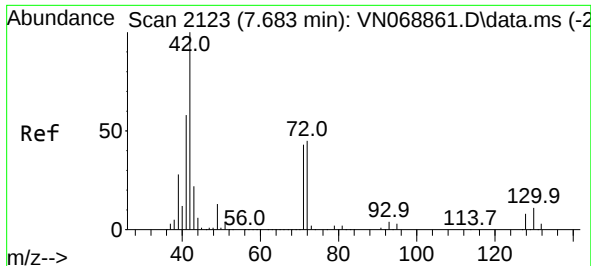
Tgt Ion: 84	Resp: 12532		
Ion	Ratio	Lower	Upper
84	100		
49	123.9	97.6	146.4
51	37.6	30.3	45.5
86	65.7	51.8	77.6



#25
2-Butanone
Concen: 1.473 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.019 min
Lab File: VN069031.D
Acq: 19 Oct 2021 17:24

Tgt Ion: 43	Resp: 3611		
Ion Ratio	Lower	Upper	
43 100			
72 24.4	21.2	31.8	





#29

Tetrahydrofuran

Concen: 0.261 ug/l

RT: 7.691 min Scan# 2126

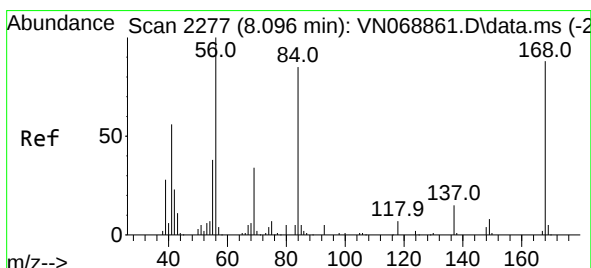
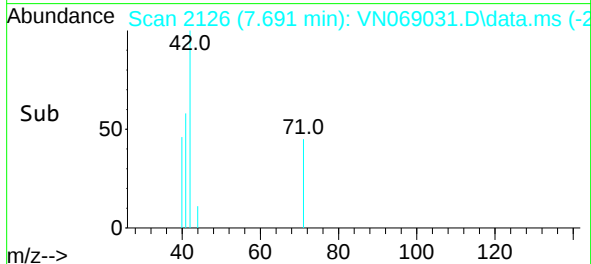
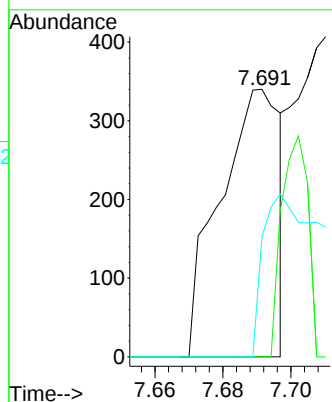
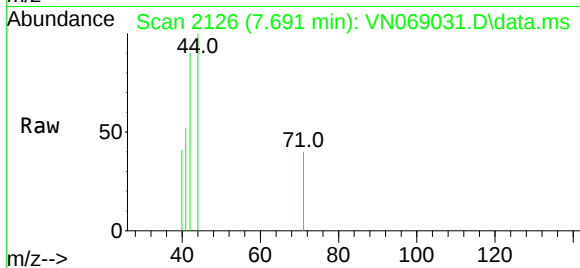
Delta R.T. 0.008 min

Lab File: VN069031.D

Acq: 19 Oct 2021 17:24

Tgt Ion:	42	Resp:	415
Ion	Ratio	Lower	Upper
42	100		
72	36.4	35.4	53.2
71	54.9	33.8	50.6#

Instrument :
MSVOA_N
ClientSampleId :



#31

Cyclohexane

Concen: 1.116 ug/l

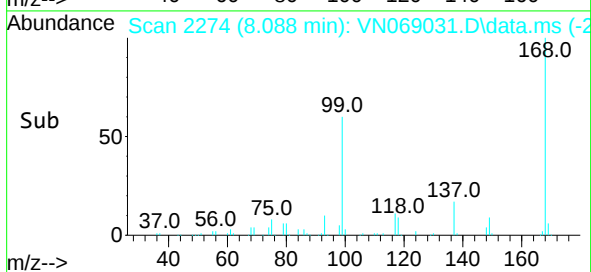
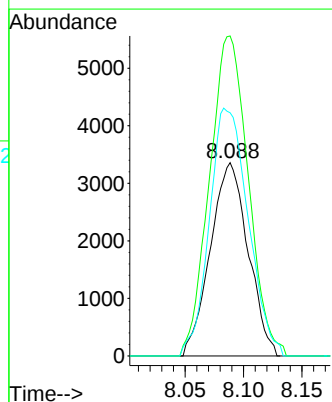
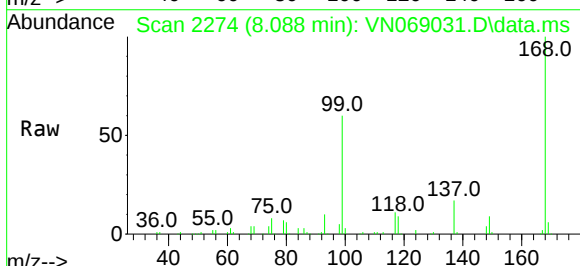
RT: 8.088 min Scan# 2274

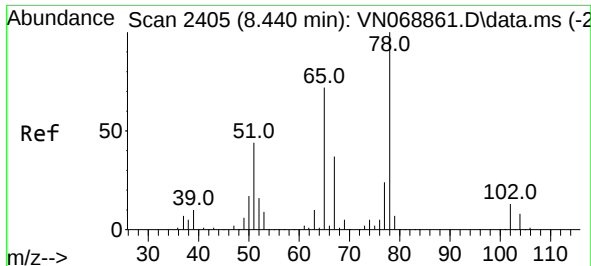
Delta R.T. -0.008 min

Lab File: VN069031.D

Acq: 19 Oct 2021 17:24

Tgt Ion:	56	Resp:	7542
Ion	Ratio	Lower	Upper
56	100		
69	165.6	26.9	40.3#
84	125.8	67.6	101.4#





#33

1,2-Dichloroethane-d4

Concen: 49.744 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.000 min

Lab File: VN069031.D

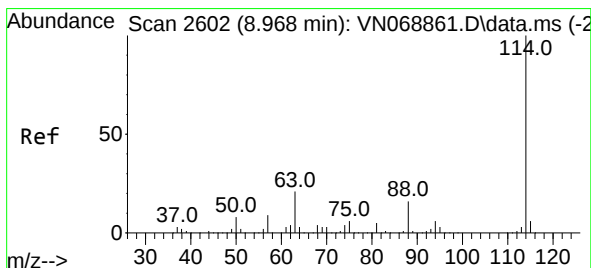
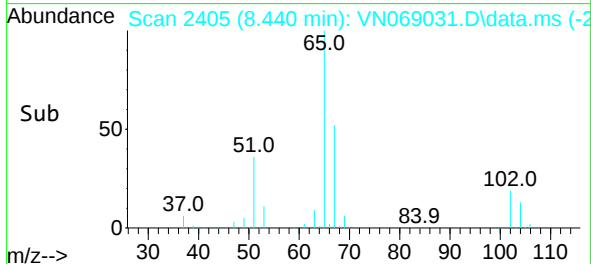
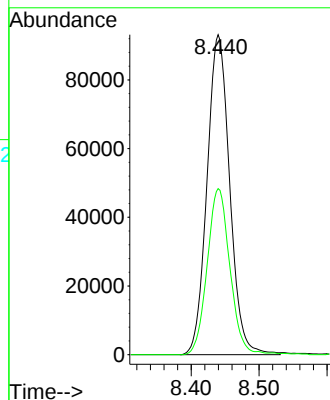
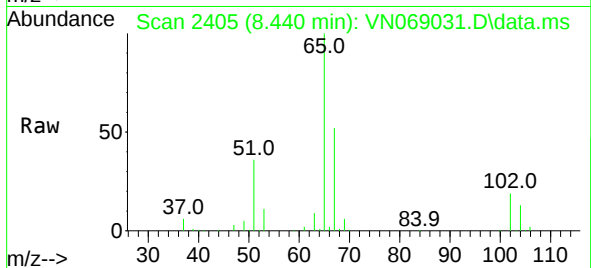
Acq: 19 Oct 2021 17:24

Tgt Ion: 65 Resp: 216136

Ion Ratio Lower Upper

65 100

67 51.7 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: VN069031.D

Acq: 19 Oct 2021 17:24

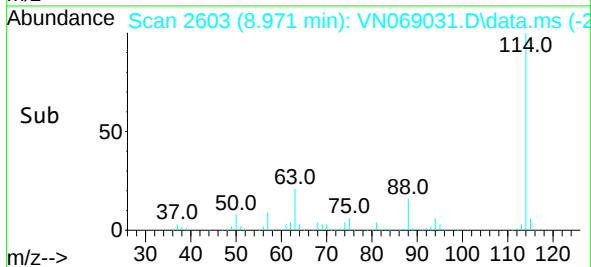
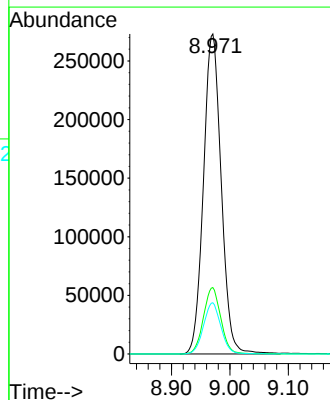
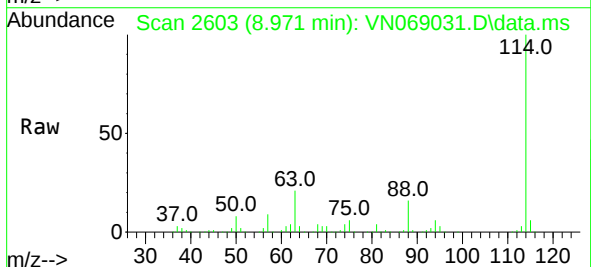
Tgt Ion: 114 Resp: 576460

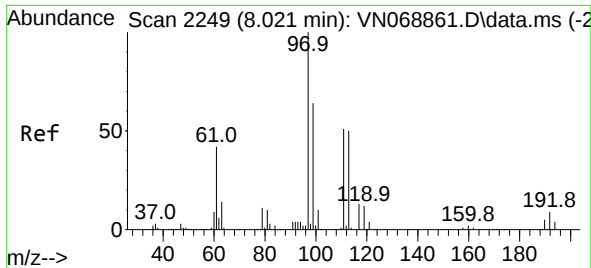
Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

88 16.0 0.0 32.0

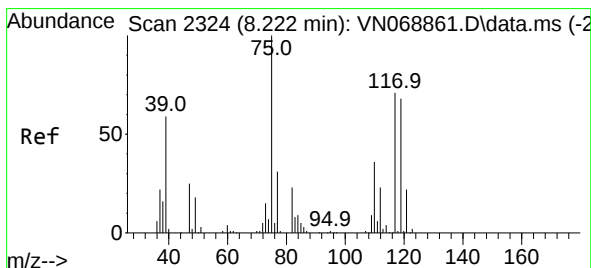
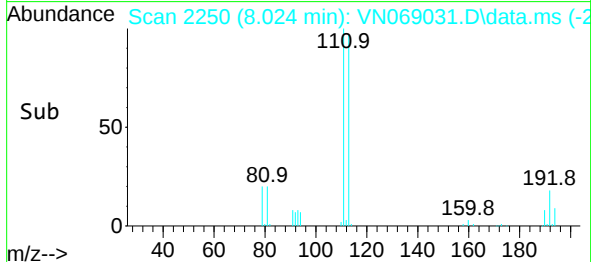
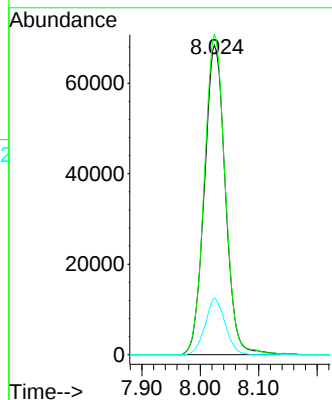
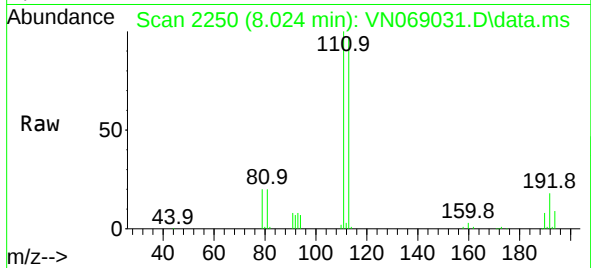




#35
Dibromofluoromethane
Concen: 50.849 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069031.D
Acq: 19 Oct 2021 17:24

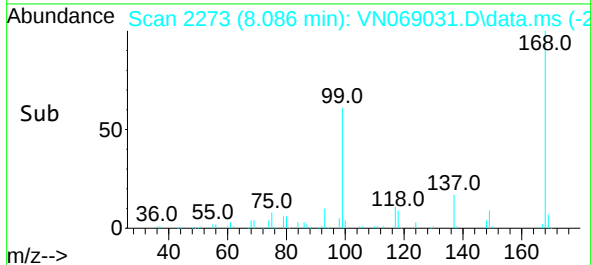
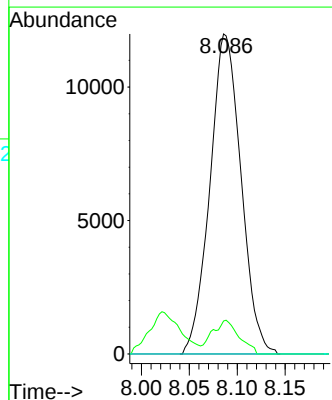
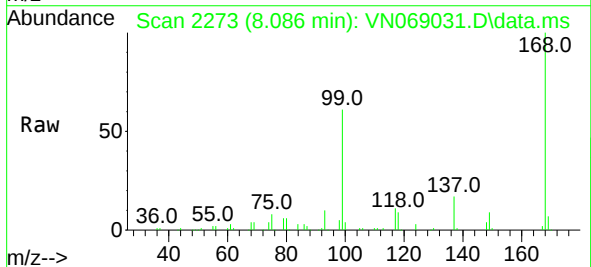
Instrument :
MSVOA_N
ClientSampled :

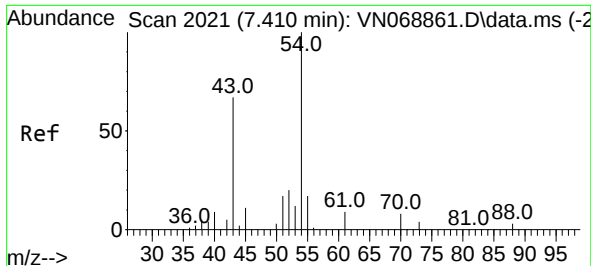
Tgt Ion:113 Resp: 170542
Ion Ratio Lower Upper
113 100
111 102.8 83.2 124.8
192 17.4 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.492 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069031.D
Acq: 19 Oct 2021 17:24

Tgt Ion: 75 Resp: 27040
Ion Ratio Lower Upper
75 100
110 9.1 17.9 53.8#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.710 ug/l

RT: 7.351 min Scan# 1999

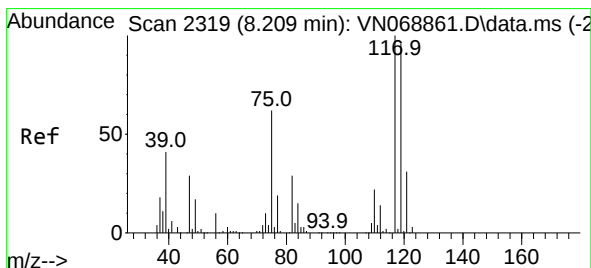
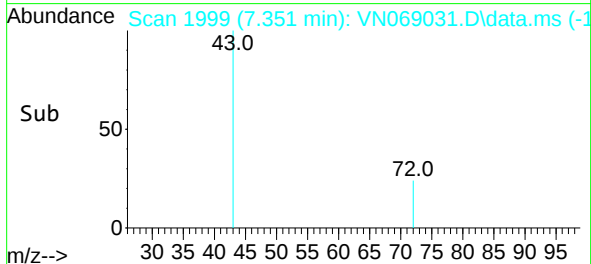
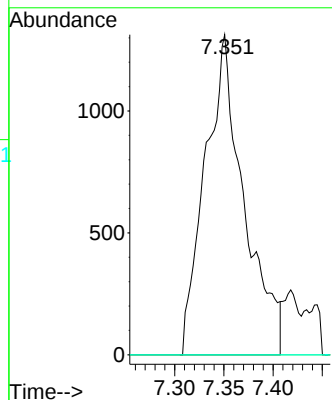
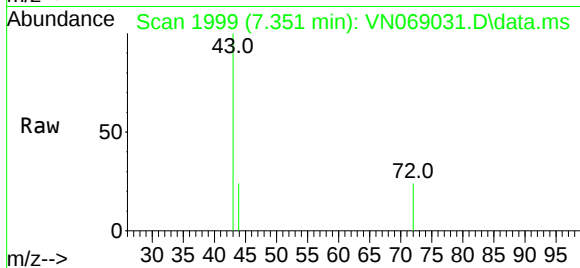
Delta R.T. -0.059 min

Lab File: VN069031.D

Acq: 19 Oct 2021 17:24

Tgt Ion:	43	Resp:	3611
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: 6.435 ug/l

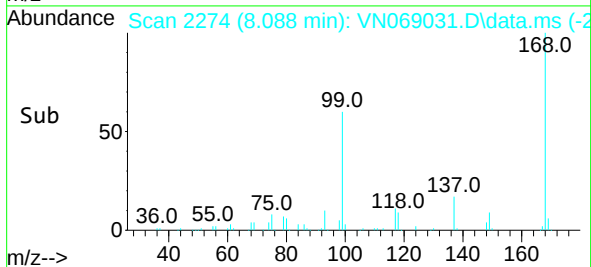
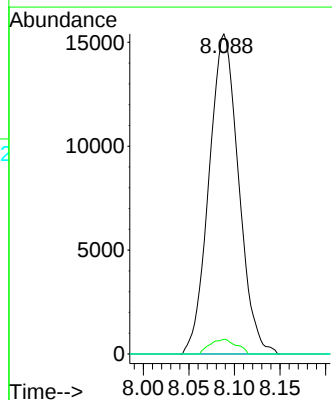
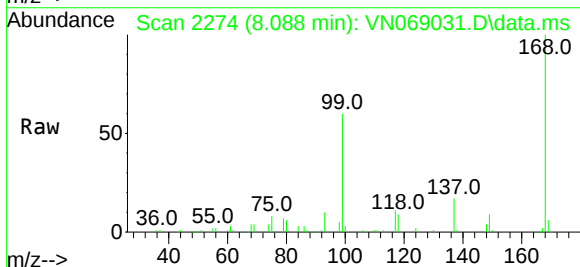
RT: 8.088 min Scan# 2274

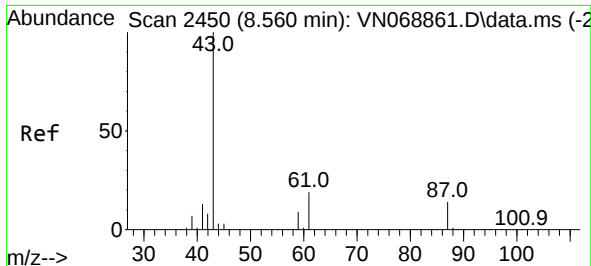
Delta R.T. -0.121 min

Lab File: VN069031.D

Acq: 19 Oct 2021 17:24

Tgt Ion:	117	Resp:	34800
Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.9	115.3#
121	0.0	24.6	37.0#

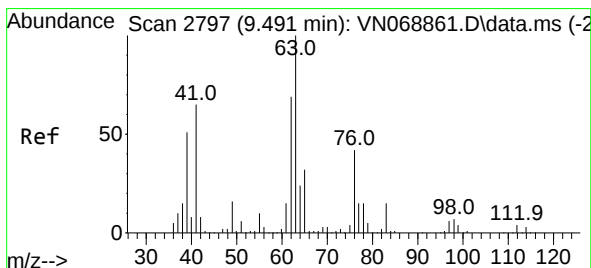
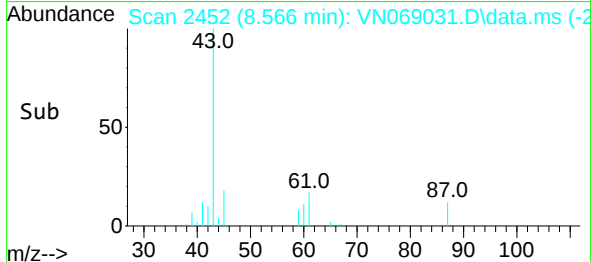
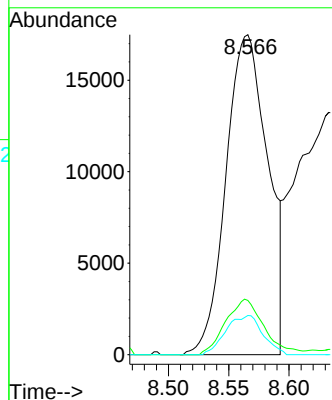
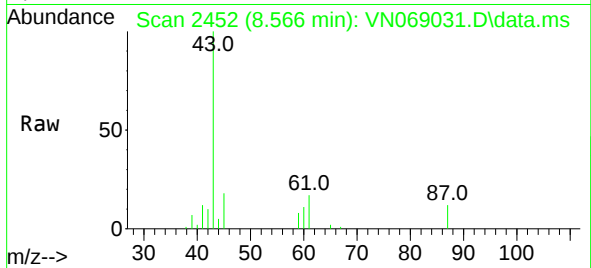




#43
Isopropyl Acetate
Concen: 4.705 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.005 min
Lab File: VN069031.D
Acq: 19 Oct 2021 17:24

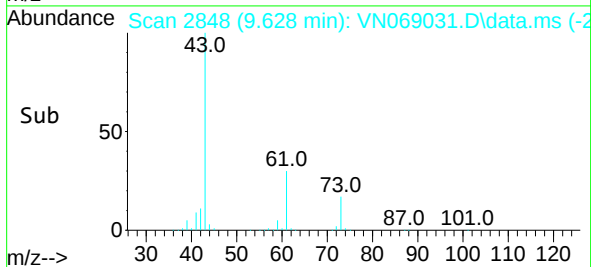
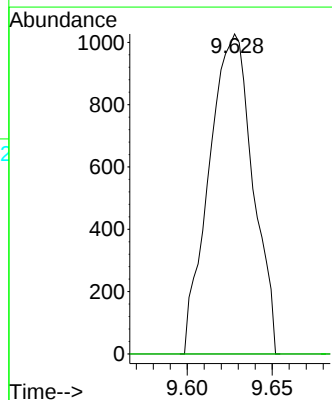
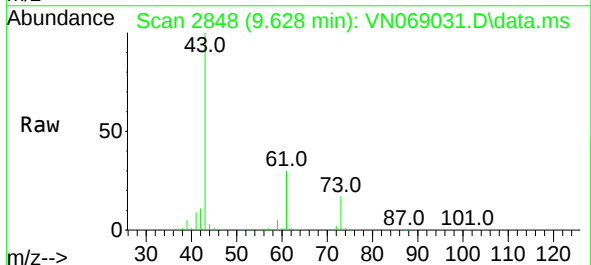
Instrument :
MSVOA_N
ClientSampled :

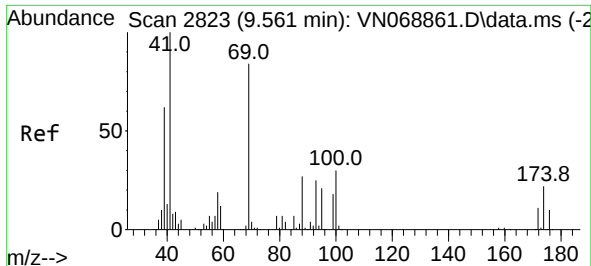
Tgt Ion: 43 Resp: 42213
Ion Ratio Lower Upper
43 100
61 15.9 20.4 30.6#
87 10.8 10.7 16.1



#45
1,2-Dichloropropane
Concen: 0.473 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN069031.D
Acq: 19 Oct 2021 17:24

Tgt Ion: 63 Resp: 1842
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

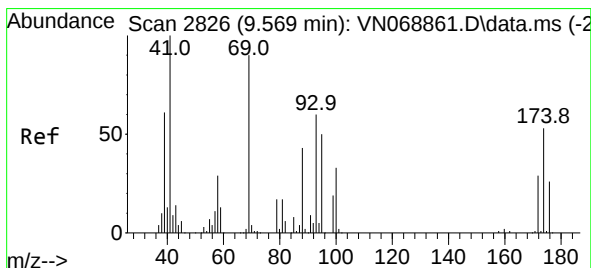
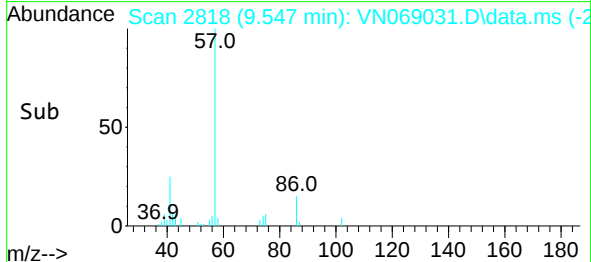
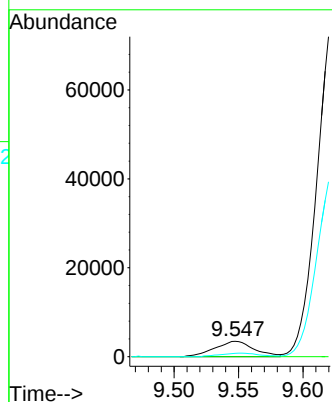
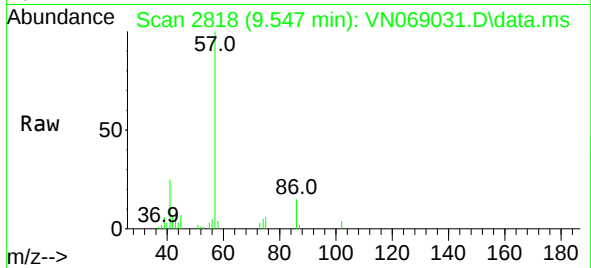




#48
Methyl methacrylate
Concen: 1.739 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.013 min
Lab File: VN069031.D
Acq: 19 Oct 2021 17:24

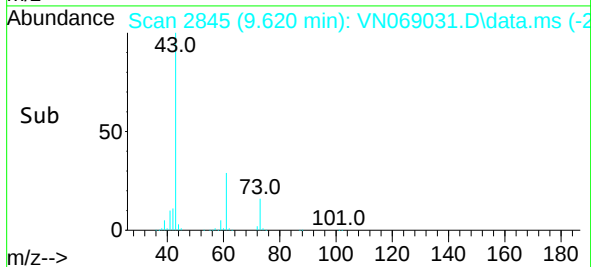
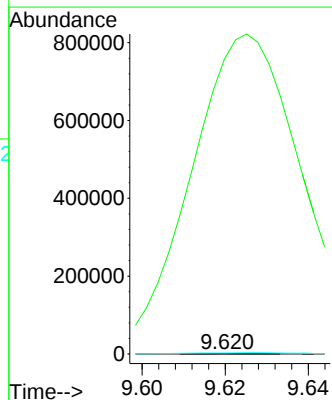
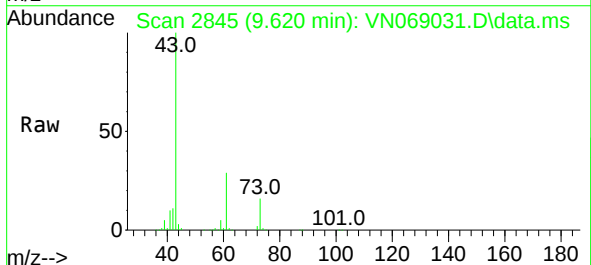
Instrument :
MSVOA_N
ClientSampled :

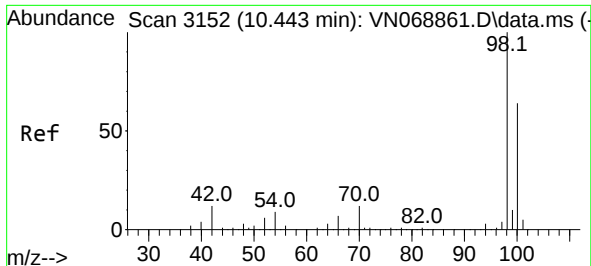
Tgt Ion: 41 Resp: 7333
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 37.840 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.051 min
Lab File: VN069031.D
Acq: 19 Oct 2021 17:24

Tgt Ion: 88 Resp: 188
Ion Ratio Lower Upper
88 100
43 850403.7 24.9 37.3#
58 3248.9 56.9 85.3#

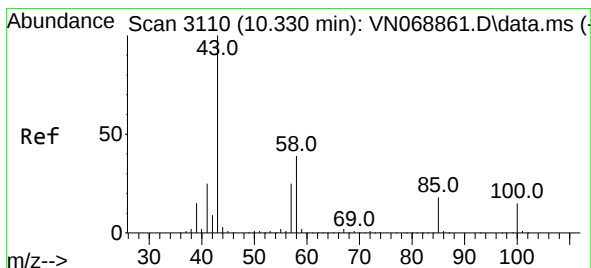
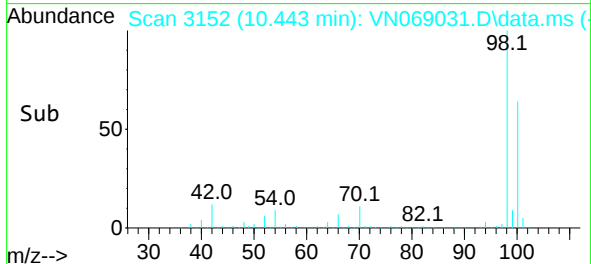
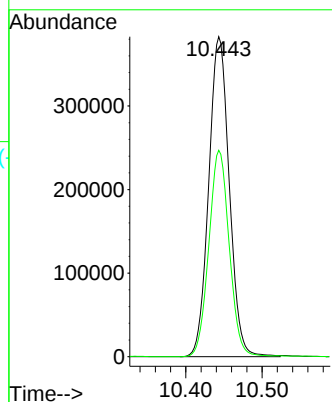
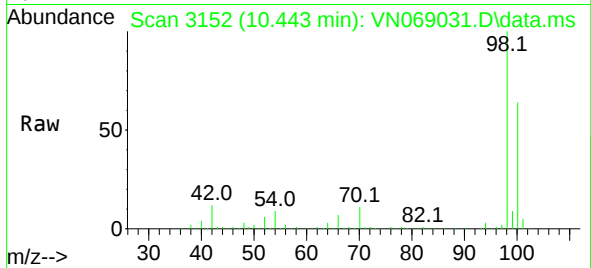




#50
Toluene-d8
Concen: 53.309 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069031.D
Acq: 19 Oct 2021 17:24

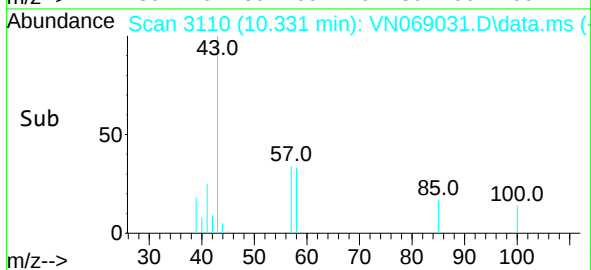
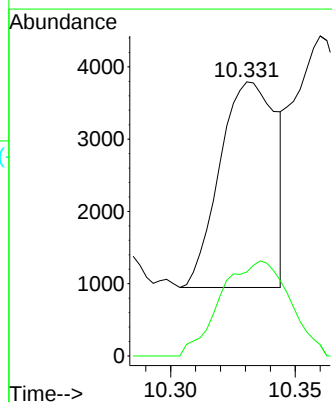
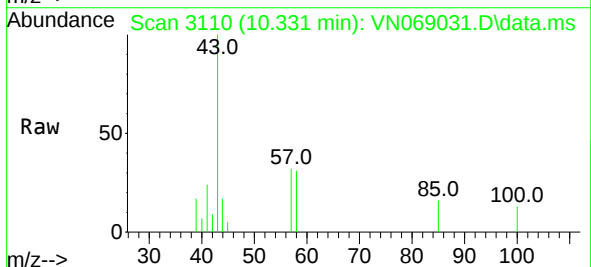
Instrument :
MSVOA_N
ClientSampled :

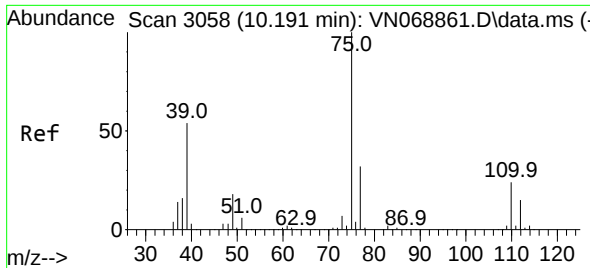
Tgt Ion: 98 Resp: 715378
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.858 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN069031.D
Acq: 19 Oct 2021 17:24

Tgt Ion: 43 Resp: 4464
Ion Ratio Lower Upper
43 100
58 56.6 31.0 46.4#

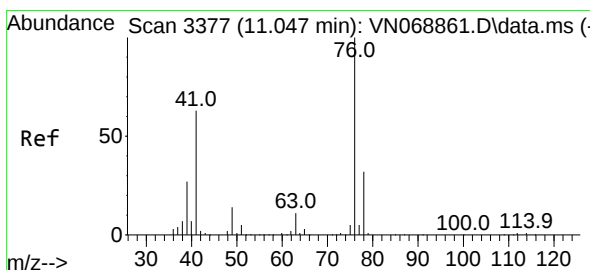
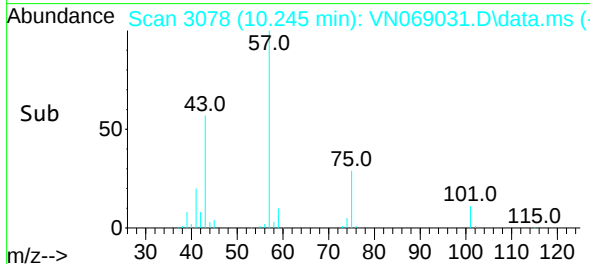
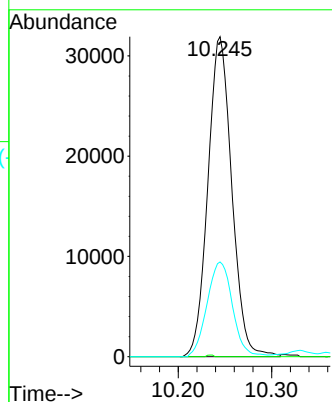
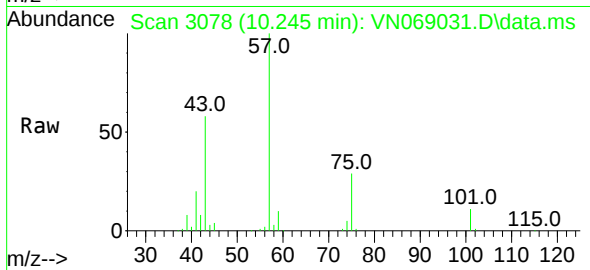




#54
 cis-1,3-Dichloropropene
 Concen: 8.732 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN069031.D
 Acq: 19 Oct 2021 17:24

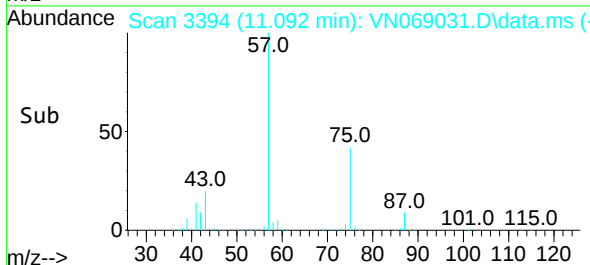
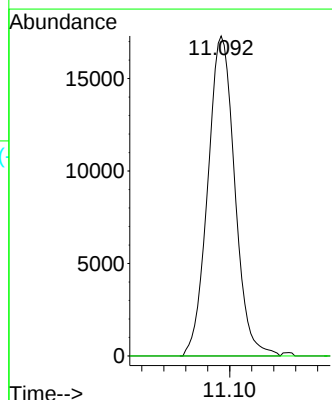
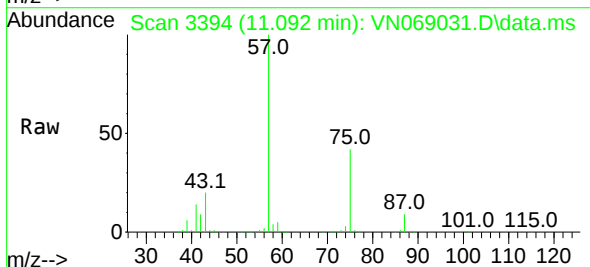
Instrument :
 MSVOA_N
 ClientSampleId :

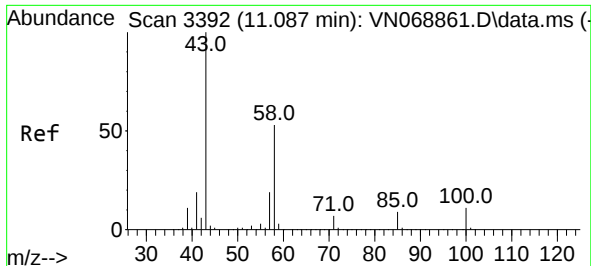
Tgt Ion: 75 Resp: 56636
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.6 38.4#
 39 29.6 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 4.706 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN069031.D
 Acq: 19 Oct 2021 17:24

Tgt Ion: 76 Resp: 29511
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

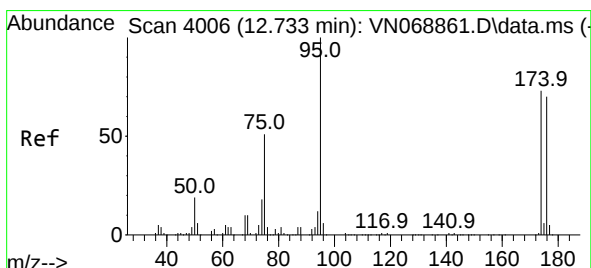
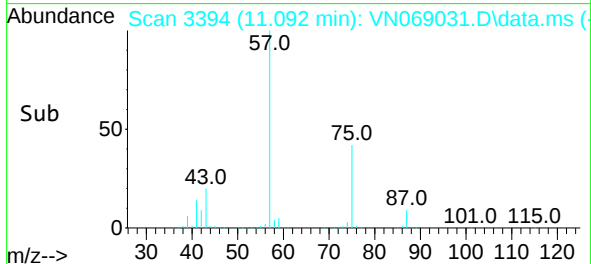
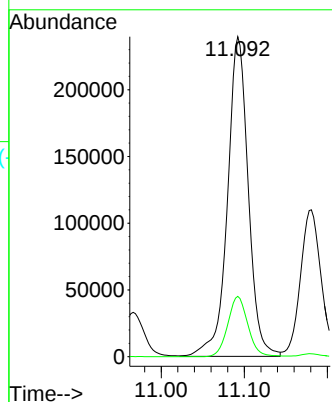
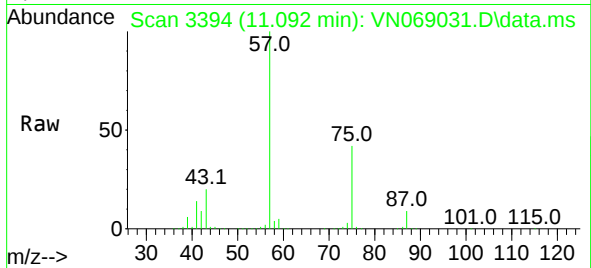




#59
2-Hexanone
Concen: 111.726 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069031.D
Acq: 19 Oct 2021 17:24

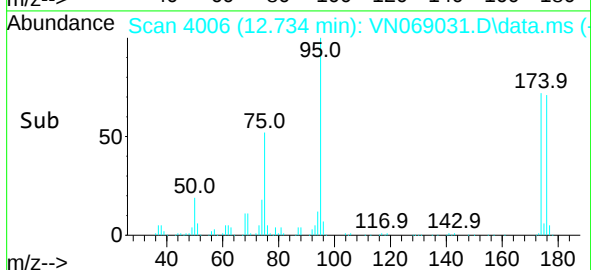
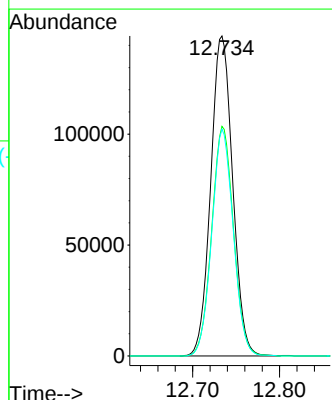
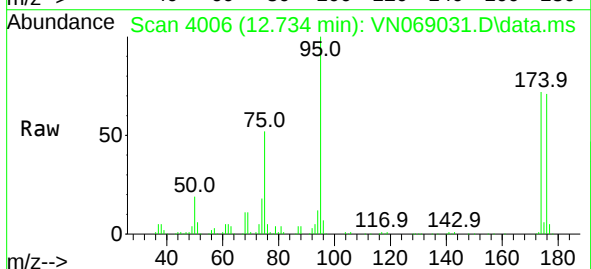
Instrument :
MSVOA_N
ClientSampled :

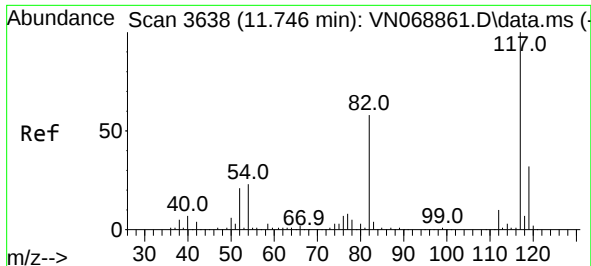
Tgt Ion: 43 Resp: 416852
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 49.935 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069031.D
Acq: 19 Oct 2021 17:24

Tgt Ion: 95 Resp: 252823
Ion Ratio Lower Upper
95 100
174 71.4 0.0 144.8
176 69.4 0.0 140.0

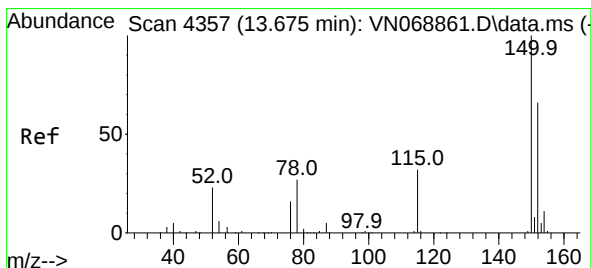
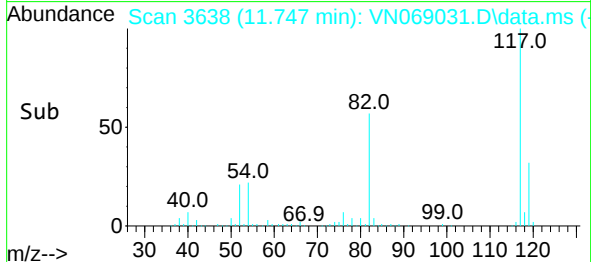
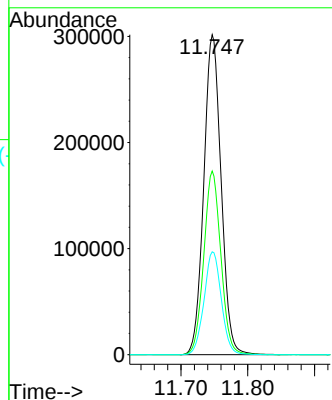
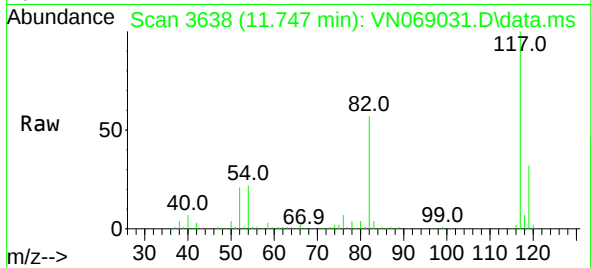




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069031.D
Acq: 19 Oct 2021 17:24

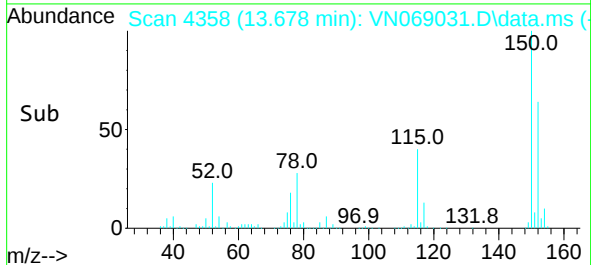
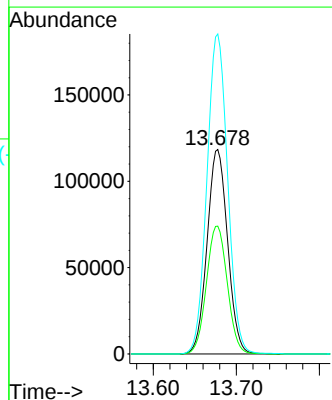
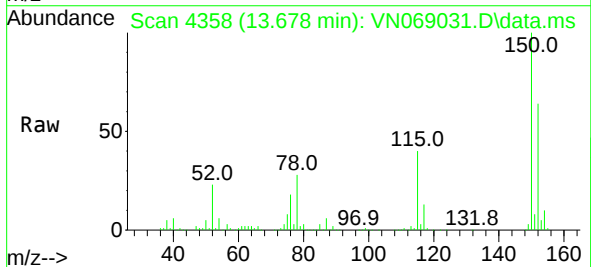
Tgt Ion:117 Resp: 543673
Ion Ratio Lower Upper
117 100
82 57.4 46.4 69.6
119 32.2 26.0 39.0

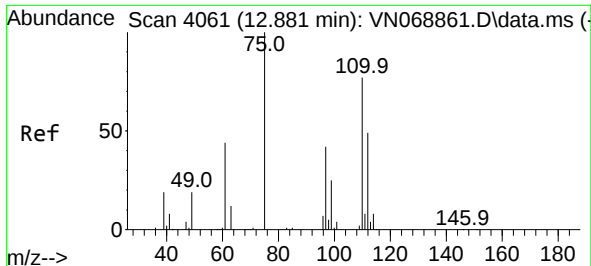
Instrument :
MSVOA_N
ClientSampled :



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069031.D
Acq: 19 Oct 2021 17:24

Tgt Ion:152 Resp: 203149
Ion Ratio Lower Upper
152 100
115 63.6 31.4 94.3
150 157.9 0.0 351.0

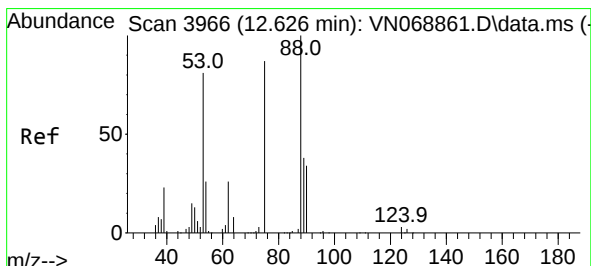
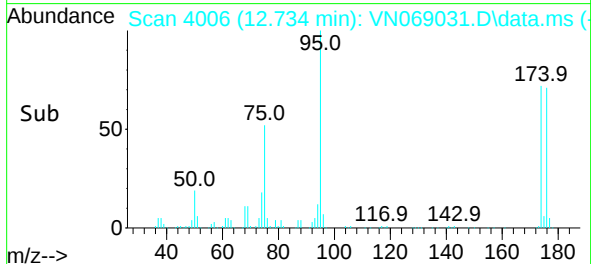
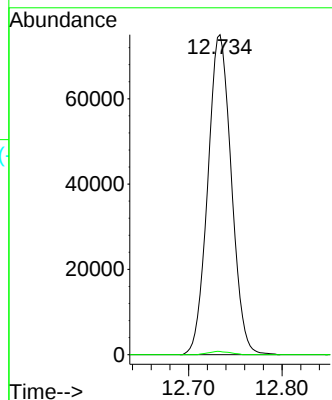
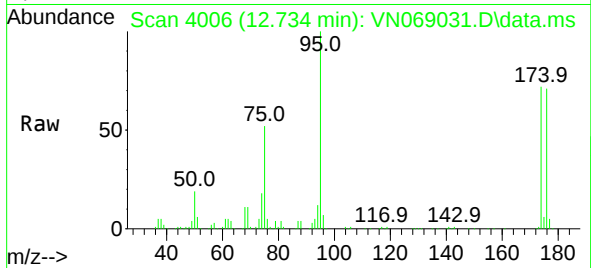




#76
1,2,3-Trichloropropane
Concen: 30.378 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069031.D
Acq: 19 Oct 2021 17:24

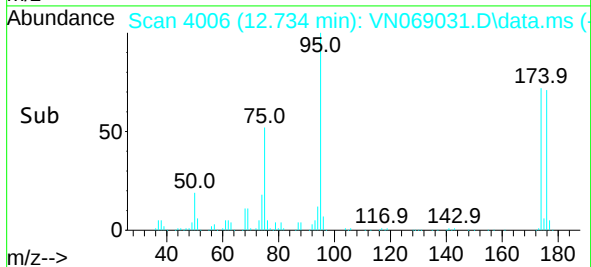
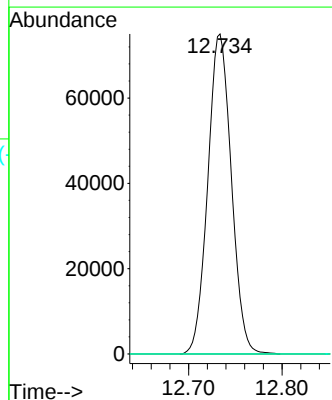
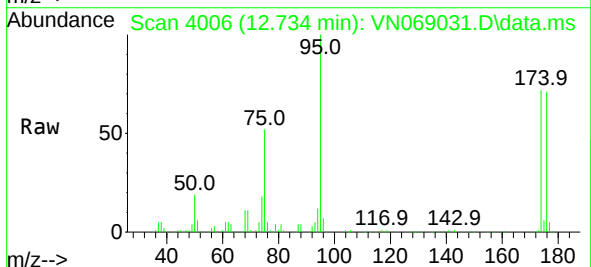
Instrument :
MSVOA_N
ClientSampled :

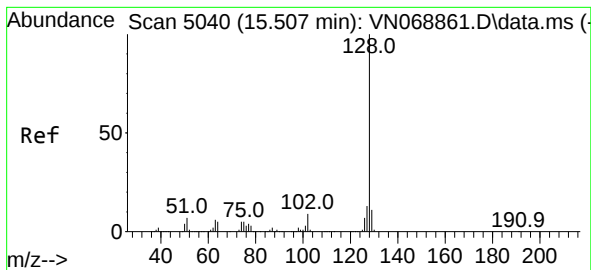
Tgt Ion: 75 Resp: 131307
Ion Ratio Lower Upper
75 100
77 0.9 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.678 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069031.D
Acq: 19 Oct 2021 17:24

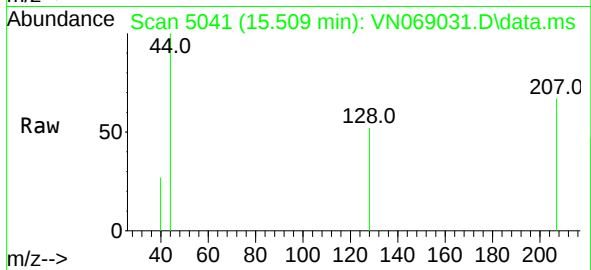
Tgt Ion: 75 Resp: 131307
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.876 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069031.D
Acq: 19 Oct 2021 17:24

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	656
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.9	13.3#

