

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102921\
 Data File : VN069292.D
 Acq On : 29 Oct 2021 11:13
 Operator : JC/MD
 Sample : VN1028WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 30 05:38:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 28 16:09:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	304651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	531829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	522311	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	198768	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	206716	47.005	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.000%
35) Dibromofluoromethane	8.024	113	154539	46.615	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.220%
50) Toluene-d8	10.443	98	672682	50.748	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.500%
62) 4-Bromofluorobenzene	12.733	95	245076	48.996	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.000%

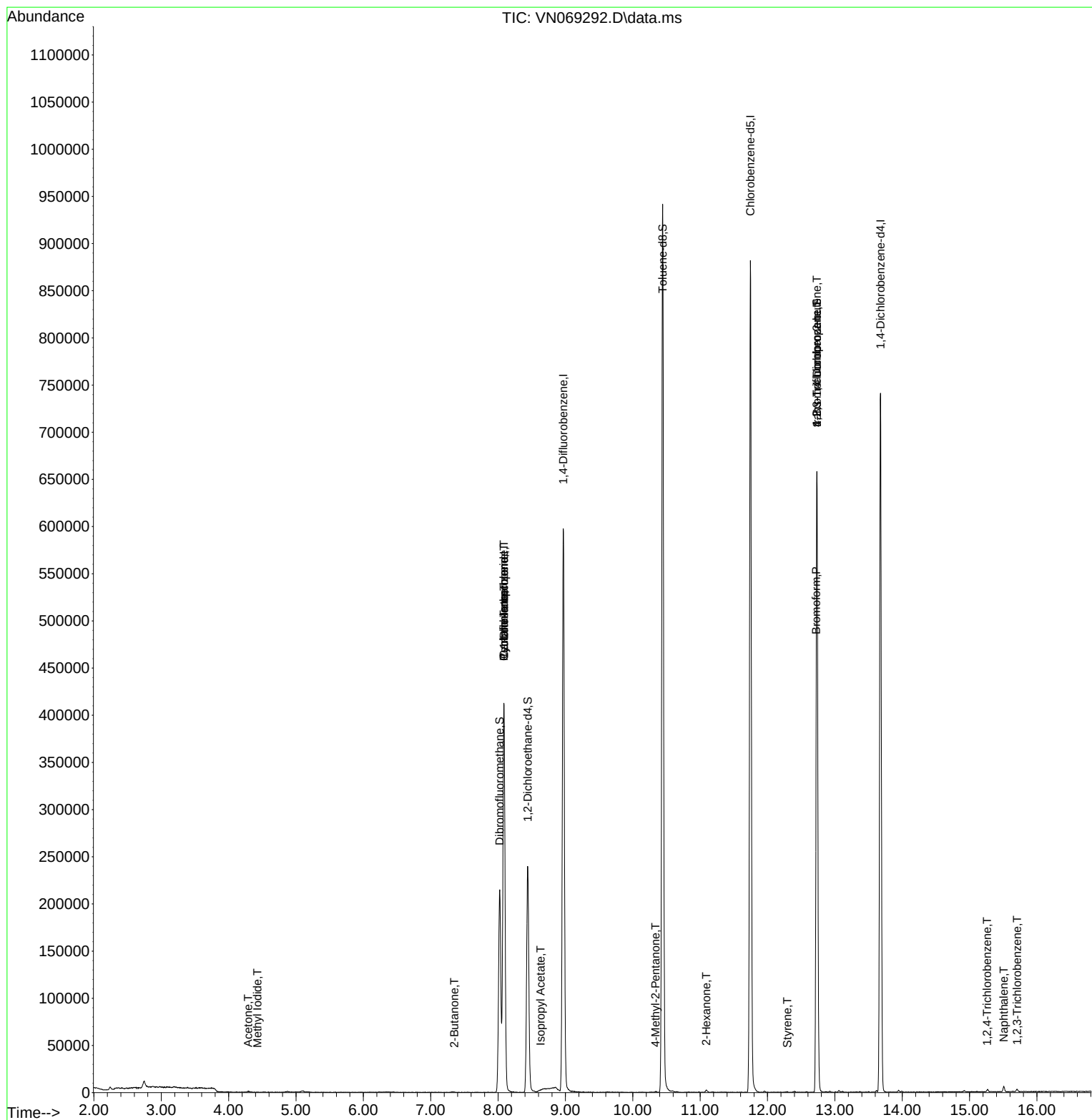
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.303	50	473	Below Cal	#	42
10) Methyl Iodide	4.425	142	24	2.464	ug/l #	41
16) Acetone	4.288	43	827	0.441	ug/l #	44
25) 2-Butanone	7.351	43	128	1.678	ug/l #	48
31) Cyclohexane	8.088	56	6949	1.181	ug/l #	1
36) 1,1-Dichloropropene	8.085	75	24787	5.406	ug/l #	50
38) Carbon Tetrachloride	8.085	117	32139	7.048	ug/l #	15
43) Isopropyl Acetate	8.630	43	2074	0.684	ug/l #	55
51) 4-Methyl-2-Pentanone	10.336	43	965	6.561	ug/l #	82
59) 2-Hexanone	11.089	43	2035	8.434	ug/l	77
70) Styrene	12.293	104	337	1.482	ug/l #	30
71) Bromoform	12.723	173	451	3.004	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	127852	24.456	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	127852	70.139	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.260	180	1151	2.826	ug/l #	18
95) Naphthalene	15.506	128	6076	3.879	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.705	180	1205	2.572	ug/l	85

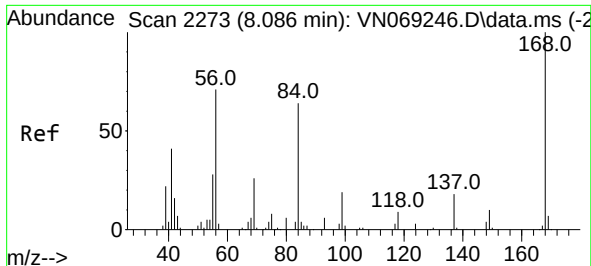
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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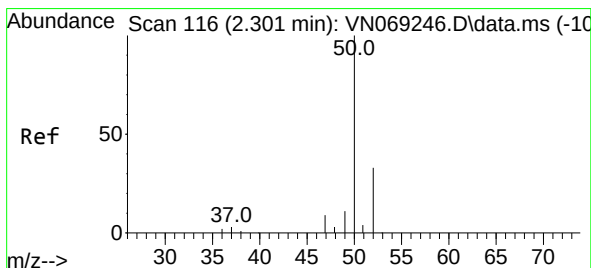
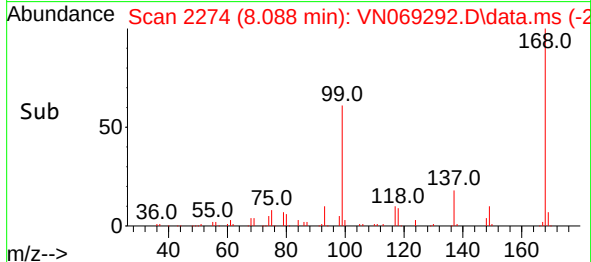
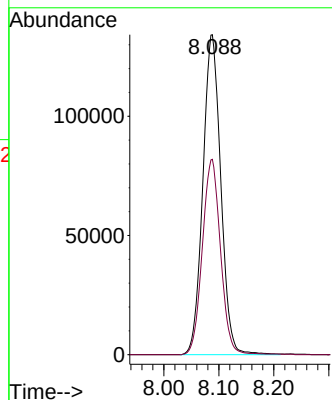
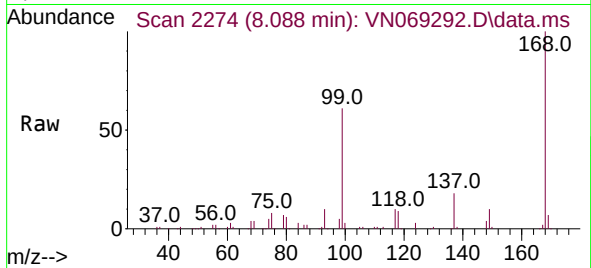




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069292.D
Acq: 29 Oct 2021 11:13

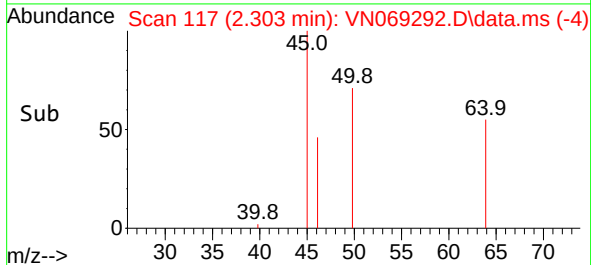
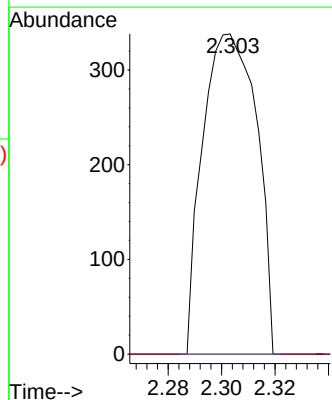
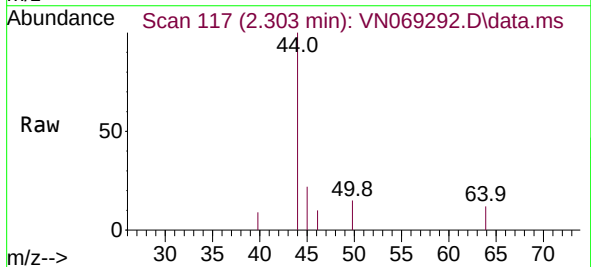
Instrument :
MSVOA_N
ClientSampleId :

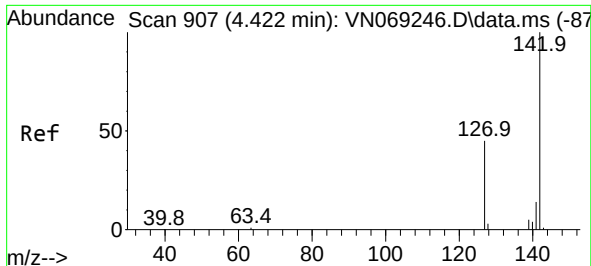
Tgt Ion:168 Resp: 304651
Ion Ratio Lower Upper
168 100
99 61.0 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN069292.D
Acq: 29 Oct 2021 11:13

Tgt Ion: 50 Resp: 473
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

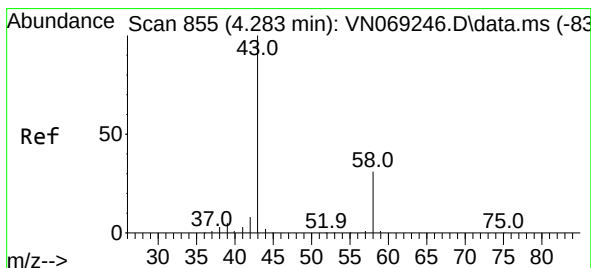
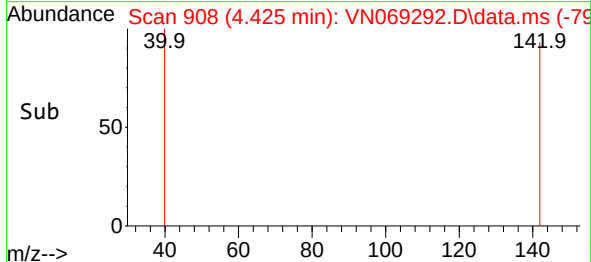
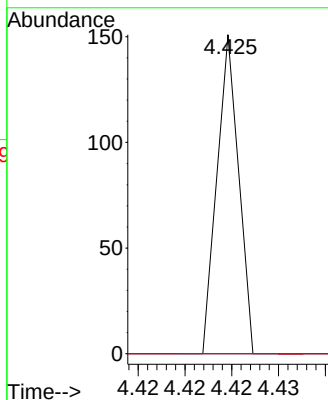
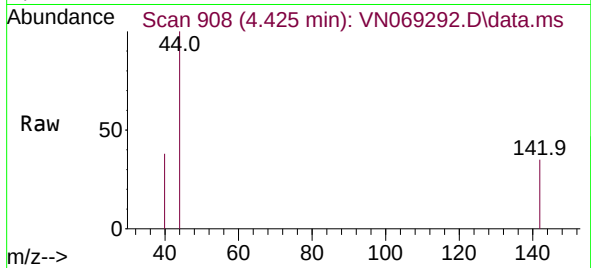




#10
Methyl Iodide
Concen: 2.464 ug/l
RT: 4.425 min Scan# 907
Delta R.T. 0.003 min
Lab File: VN069292.D
Acq: 29 Oct 2021 11:13

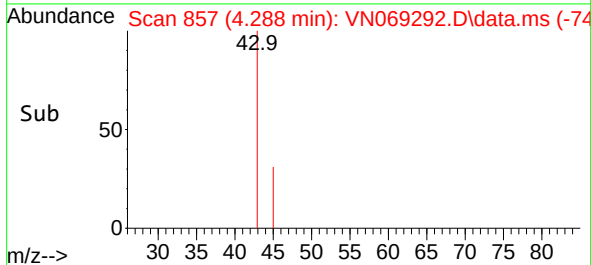
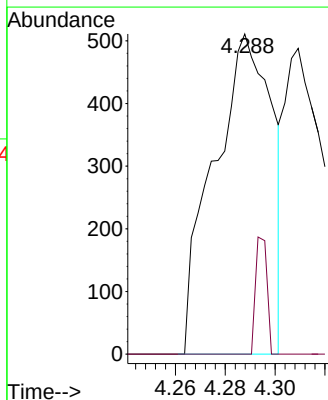
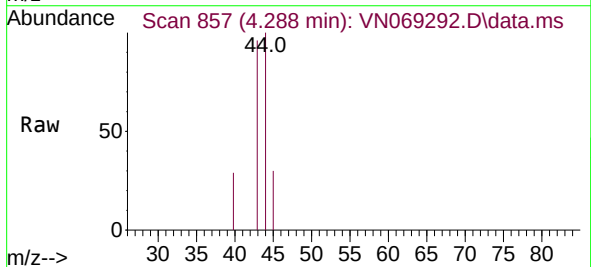
Instrument :
MSVOA_N
ClientSampleId :

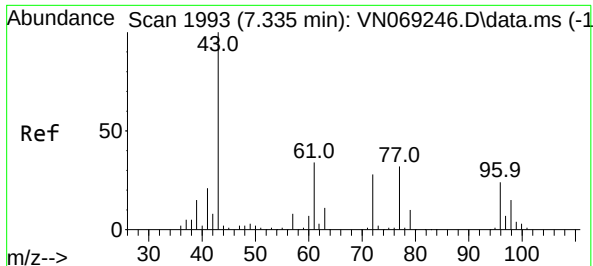
Tgt Ion:142 Resp: 24
Ion Ratio Lower Upper
142 100
127 0.0 34.4 51.6#
141 0.0 11.3 16.9#



#16
Acetone
Concen: 0.441 ug/l
RT: 4.288 min Scan# 857
Delta R.T. 0.005 min
Lab File: VN069292.D
Acq: 29 Oct 2021 11:13

Tgt Ion: 43 Resp: 827
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#





#25

2-Butanone

Concen: 1.678 ug/l

RT: 7.351 min Scan# 1999

Delta R.T. 0.016 min

Lab File: VN069292.D

Acq: 29 Oct 2021 11:13

Instrument :

MSVOA_N

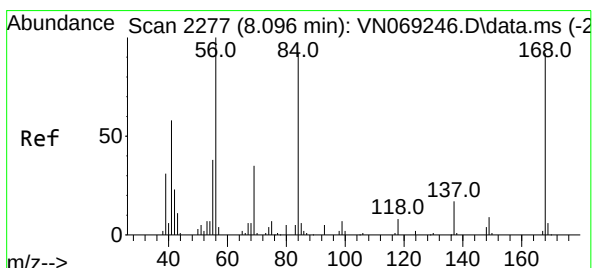
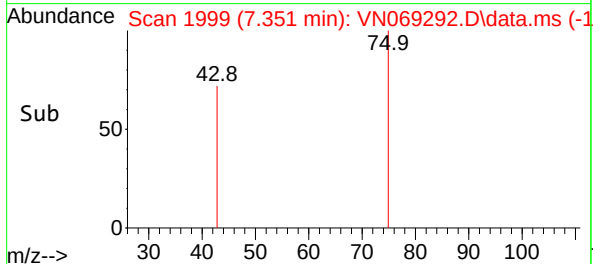
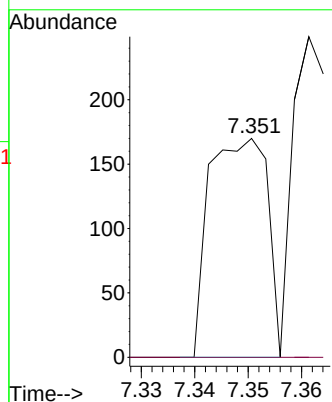
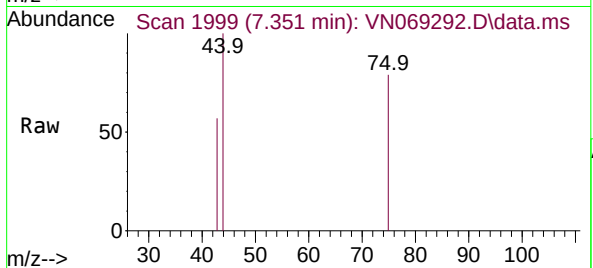
ClientSampleId :

Tgt Ion: 43 Resp: 128

Ion Ratio Lower Upper

43 100

72 0.0 21.2 31.8#



#31

Cyclohexane

Concen: 1.181 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.008 min

Lab File: VN069292.D

Acq: 29 Oct 2021 11:13

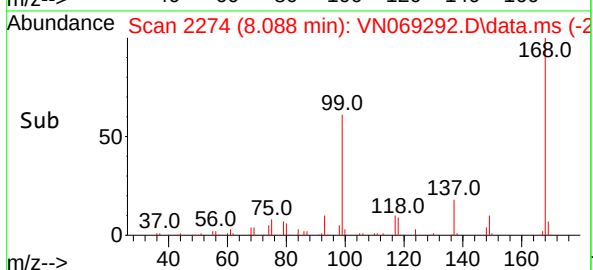
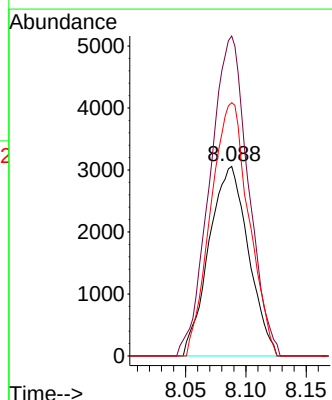
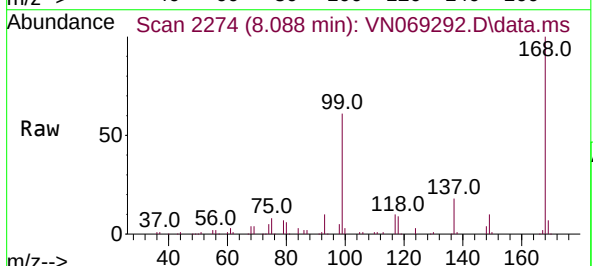
Tgt Ion: 56 Resp: 6949

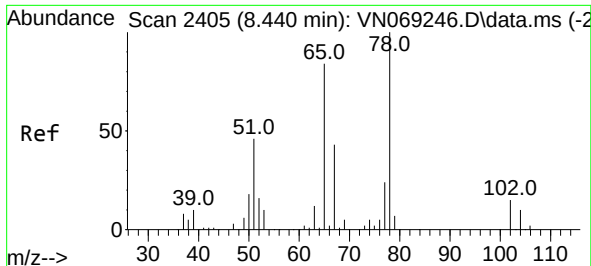
Ion Ratio Lower Upper

56 100

69 168.7 26.9 40.3#

84 133.6 67.6 101.4#

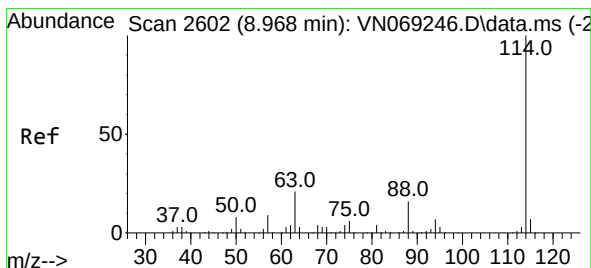
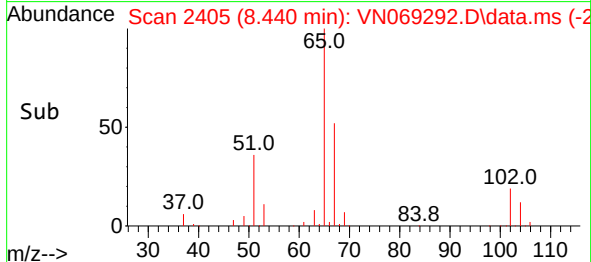
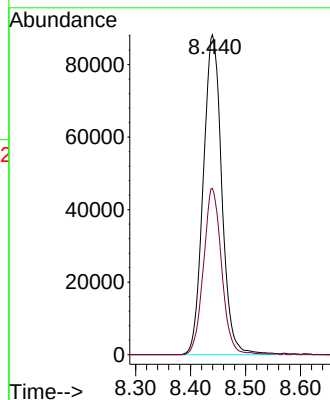
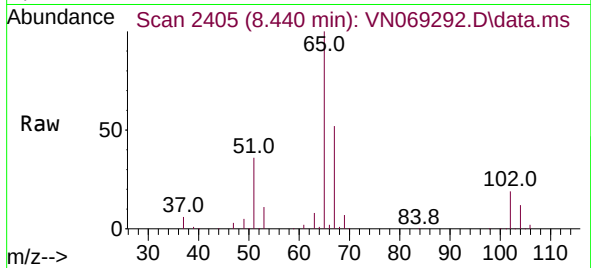




#33
 1,2-Dichloroethane-d4
 Concen: 47.005 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN069292.D
 Acq: 29 Oct 2021 11:13

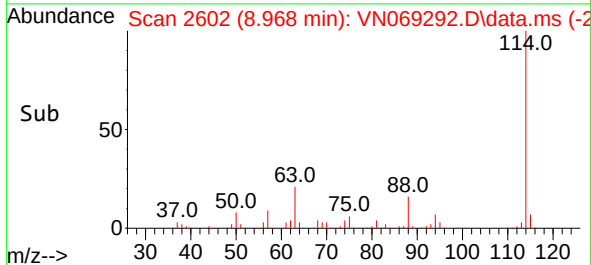
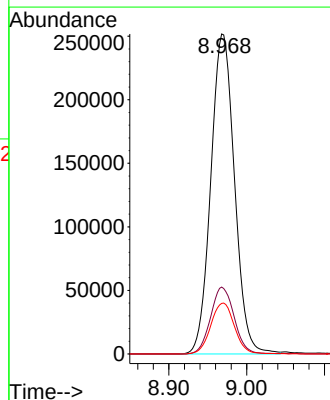
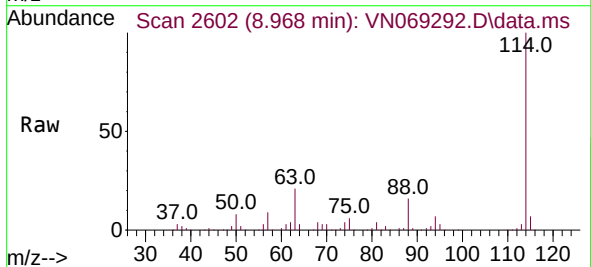
Instrument :
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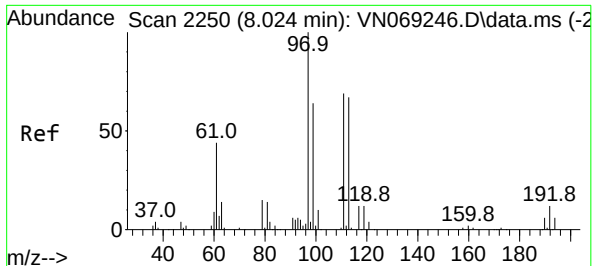
Tgt Ion: 65 Resp: 206716
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. -0.000 min
 Lab File: VN069292.D
 Acq: 29 Oct 2021 11:13

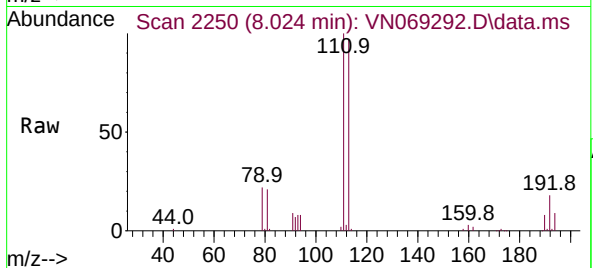
Tgt Ion: 114 Resp: 531829
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.6
 88 15.8 0.0 32.0



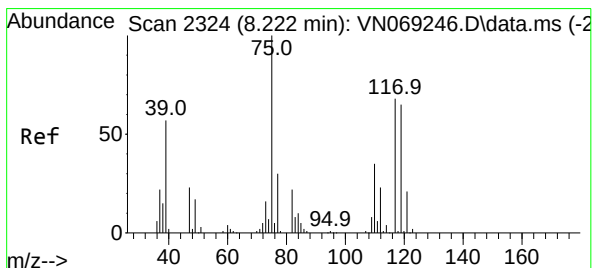
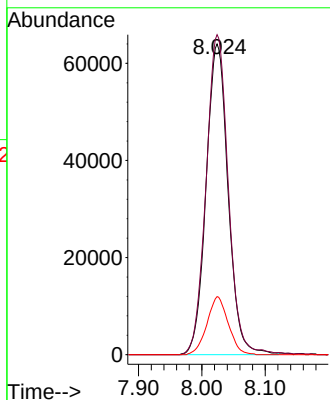
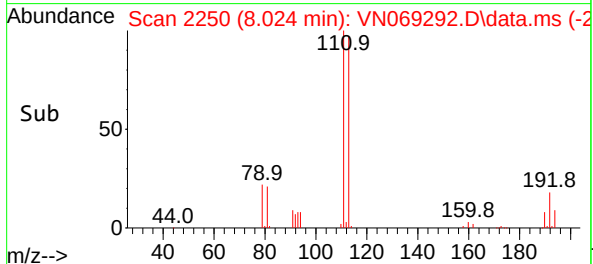


#35
Dibromofluoromethane
Concen: 46.615 ug/l
RT: 8.024 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069292.D
Acq: 29 Oct 2021 11:13

Instrument :
MSVOA_N
ClientSampleId :

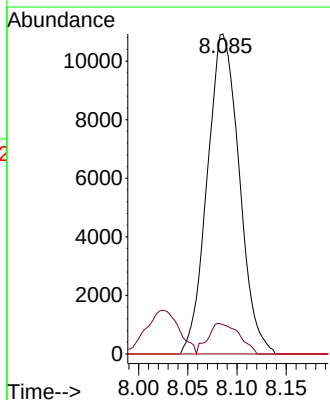
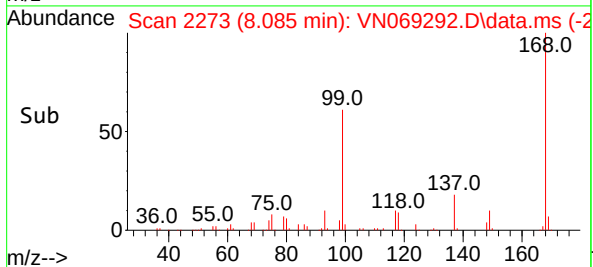
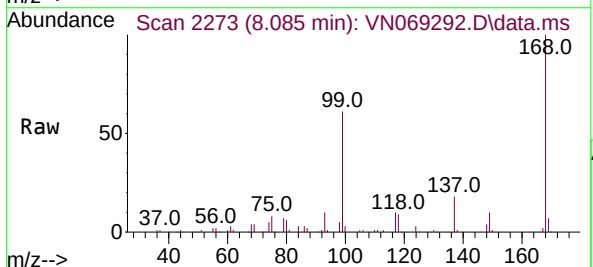


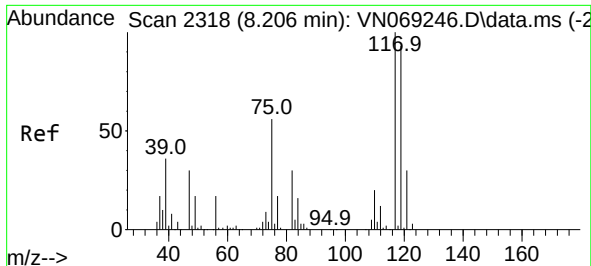
Tgt Ion:113 Resp: 154539
Ion Ratio Lower Upper
113 100
111 104.0 83.2 124.8
192 18.0 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.406 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069292.D
Acq: 29 Oct 2021 11:13

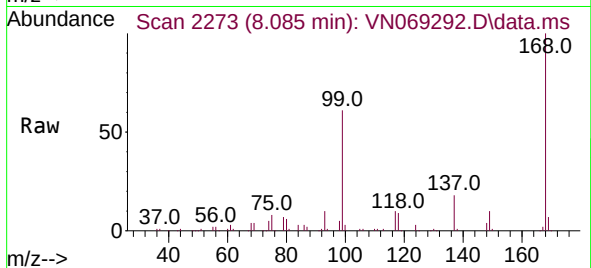
Tgt Ion: 75 Resp: 24787
Ion Ratio Lower Upper
75 100
110 9.3 17.9 53.8#
77 0.0 24.7 37.1#



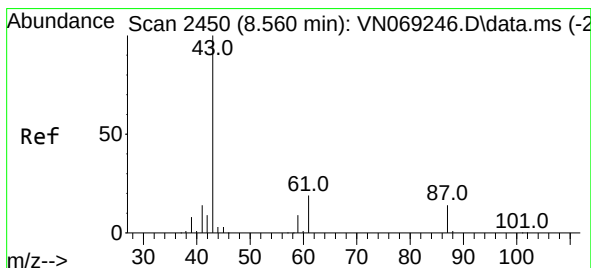
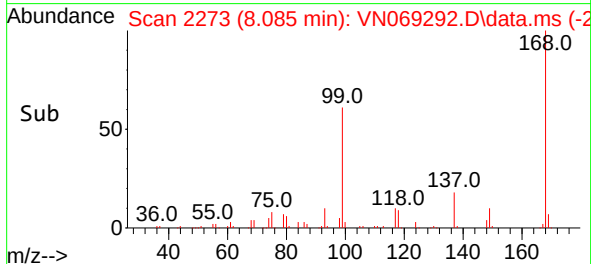
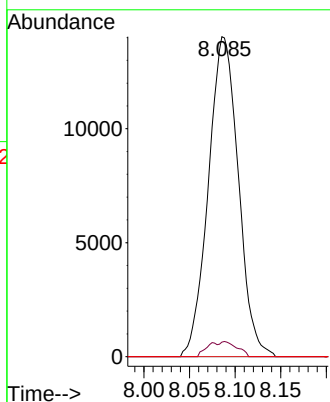


#38
Carbon Tetrachloride
Concen: 7.048 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.121 min
Lab File: VN069292.D
Acq: 29 Oct 2021 11:13

Instrument :
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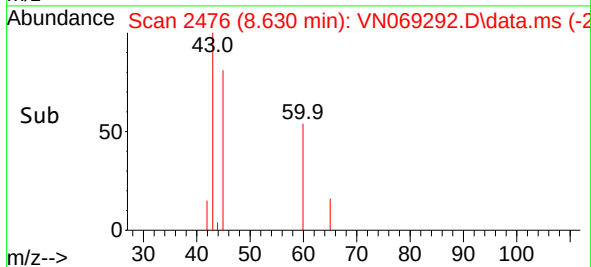
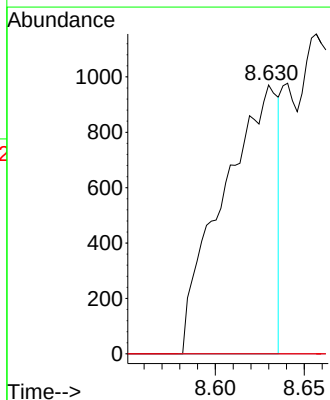
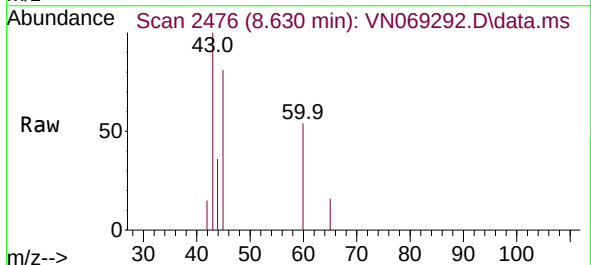


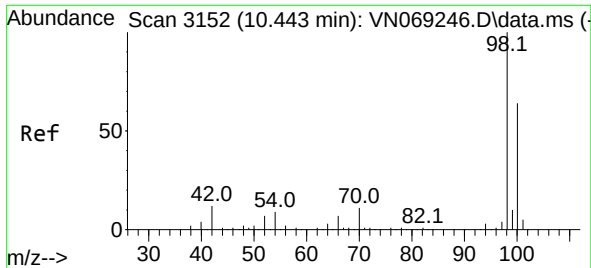
Tgt Ion:117 Resp: 32139
Ion Ratio Lower Upper
117 100
119 4.5 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.684 ug/l
RT: 8.630 min Scan# 2476
Delta R.T. 0.070 min
Lab File: VN069292.D
Acq: 29 Oct 2021 11:13

Tgt Ion: 43 Resp: 2074
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#

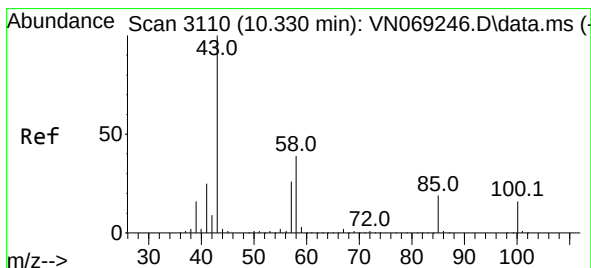
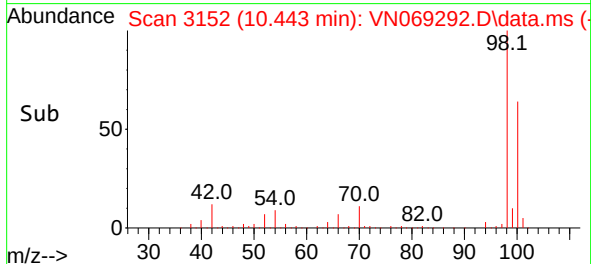
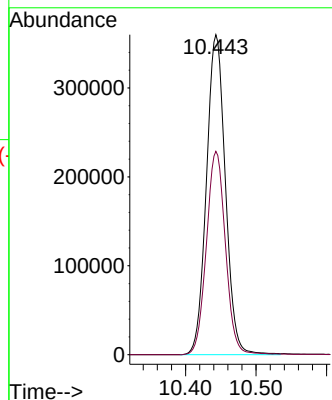
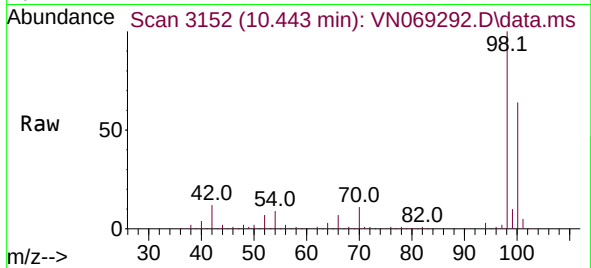




#50
Toluene-d8
Concen: 50.748 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069292.D
Acq: 29 Oct 2021 11:13

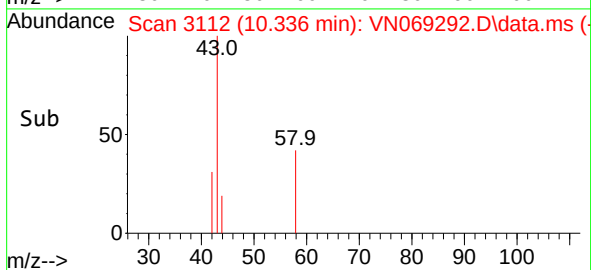
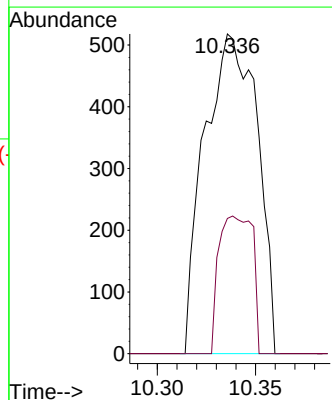
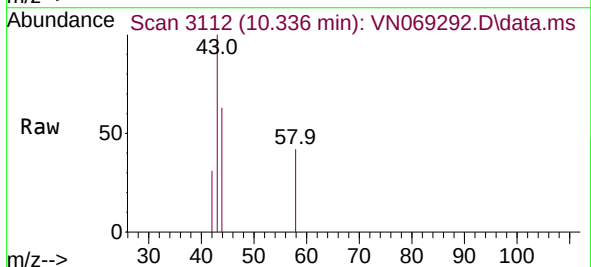
Instrument :
MSVOA_N
ClientSampleId :

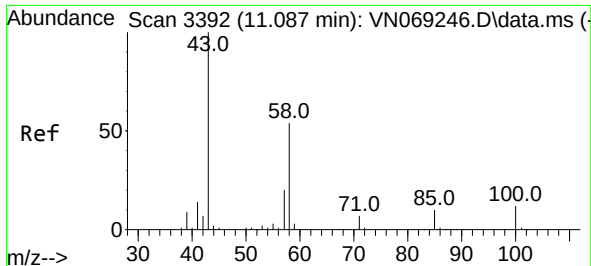
Tgt Ion: 98 Resp: 672682
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 6.561 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.006 min
Lab File: VN069292.D
Acq: 29 Oct 2021 11:13

Tgt Ion: 43 Resp: 965
Ion Ratio Lower Upper
43 100
58 27.5 31.0 46.4#

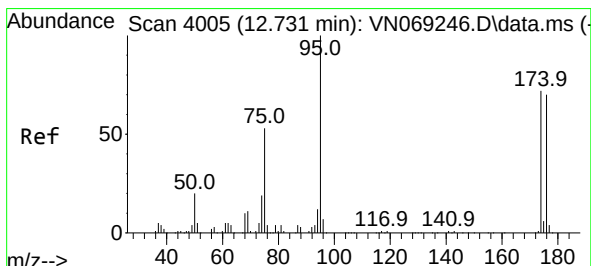
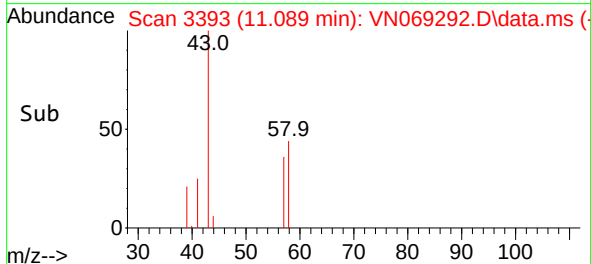
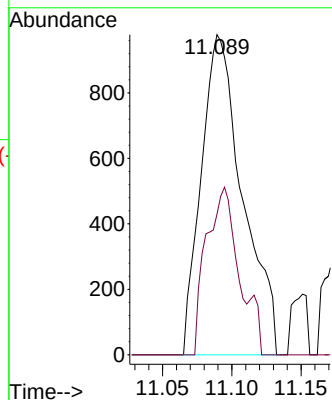
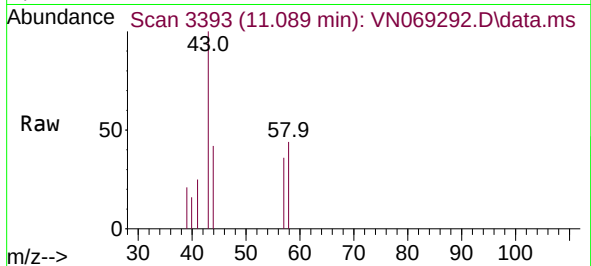




#59
2-Hexanone
Concen: 8.434 ug/l
RT: 11.089 min Scan# 311
Delta R.T. 0.002 min
Lab File: VN069292.D
Acq: 29 Oct 2021 11:13

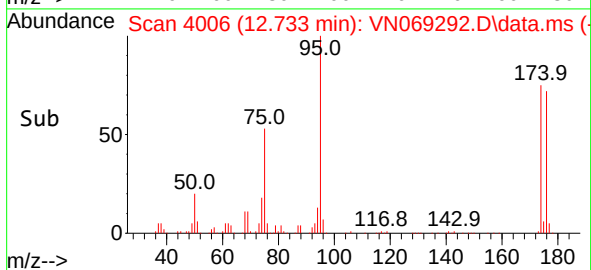
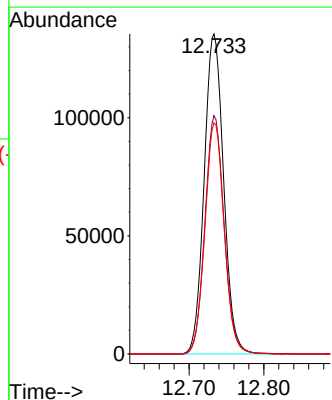
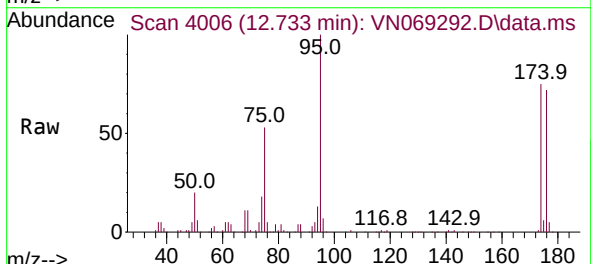
Instrument :
MSVOA_N
ClientSampleId :

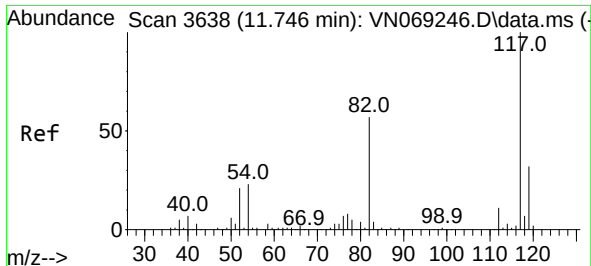
Tgt Ion: 43 Resp: 2035
Ion Ratio Lower Upper
43 100
58 37.7 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 48.996 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069292.D
Acq: 29 Oct 2021 11:13

Tgt Ion: 95 Resp: 245076
Ion Ratio Lower Upper
95 100
174 73.7 0.0 144.8
176 71.5 0.0 140.0

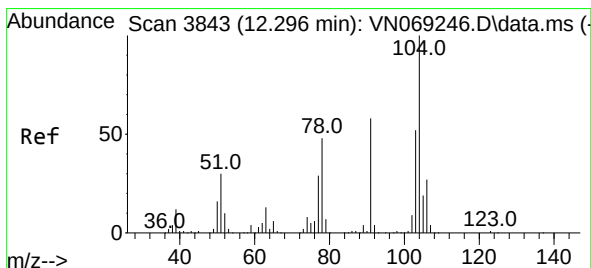
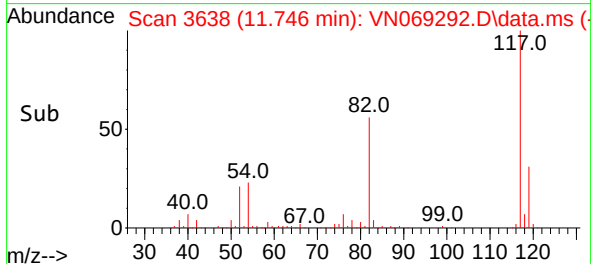
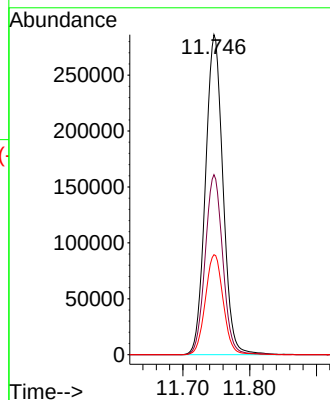
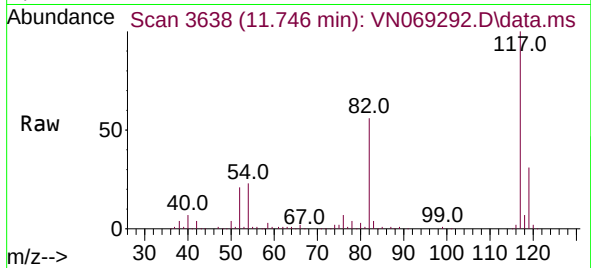




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN069292.D
Acq: 29 Oct 2021 11:13

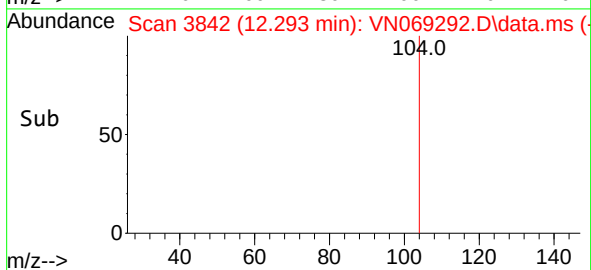
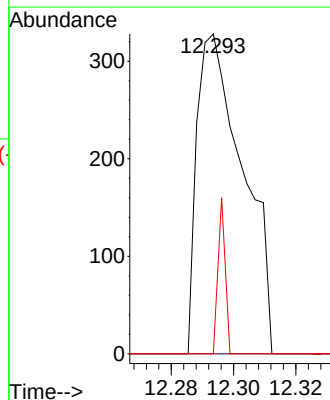
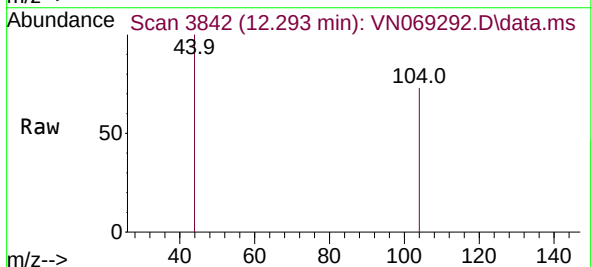
Instrument :
MSVOA_N
ClientSampleId :

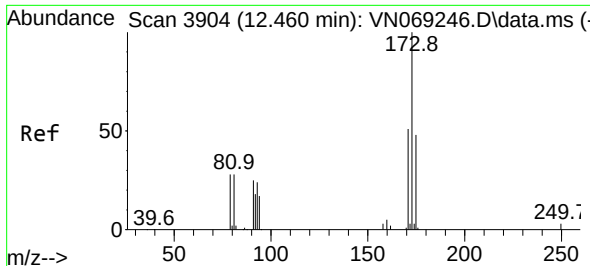
Tgt Ion:117 Resp: 522311
Ion Ratio Lower Upper
117 100
82 56.2 46.4 69.6
119 31.2 26.0 39.0



#70
Styrene
Concen: 1.482 ug/l
RT: 12.293 min Scan# 3842
Delta R.T. -0.003 min
Lab File: VN069292.D
Acq: 29 Oct 2021 11:13

Tgt Ion:104 Resp: 337
Ion Ratio Lower Upper
104 100
78 0.0 42.2 63.4#
103 7.7 44.4 66.6#

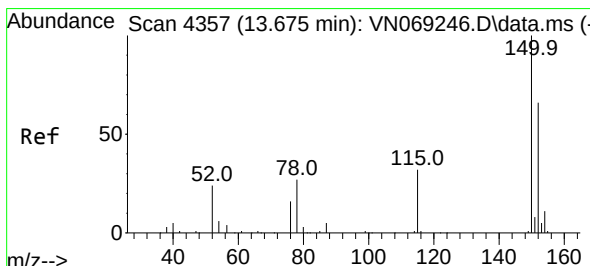
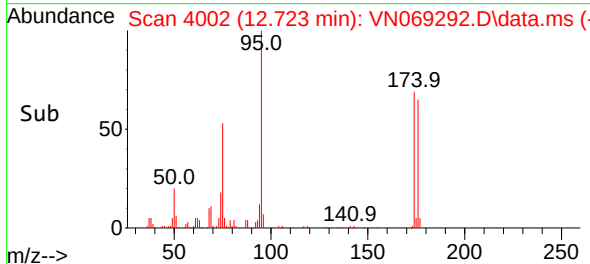
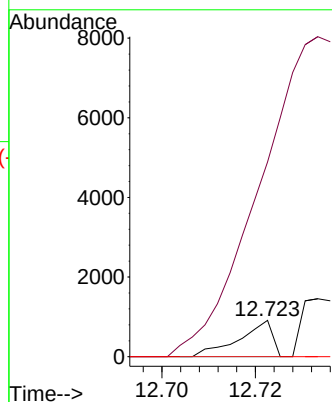
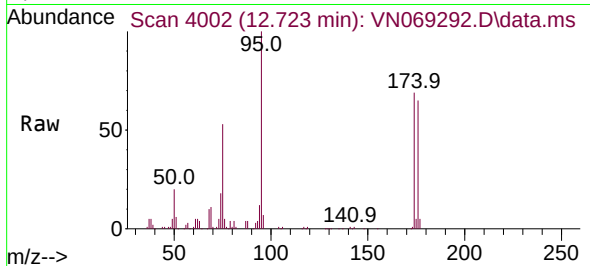




#71
Bromoform
Concen: 3.004 ug/l
RT: 12.723 min Scan# 4002
Delta R.T. 0.263 min
Lab File: VN069292.D
Acq: 29 Oct 2021 11:13

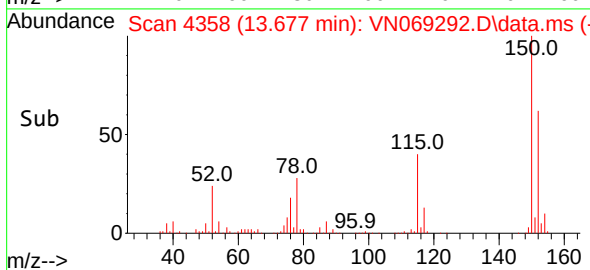
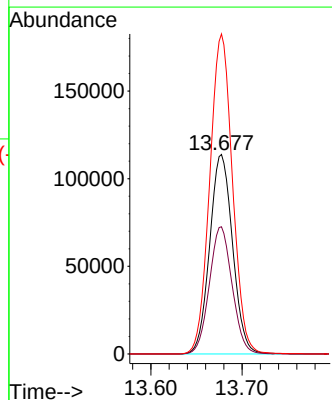
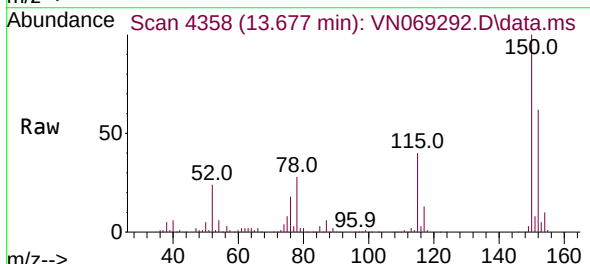
Instrument :
MSVOA_N
ClientSampleId :

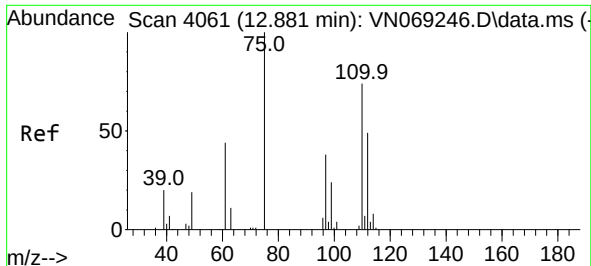
Tgt Ion:173 Resp: 451
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN069292.D
Acq: 29 Oct 2021 11:13

Tgt Ion:152 Resp: 198768
Ion Ratio Lower Upper
152 100
115 63.3 31.4 94.3
150 159.1 0.0 351.0

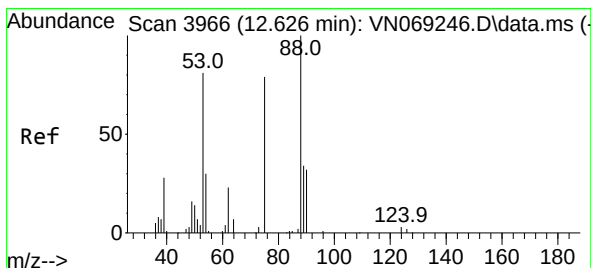
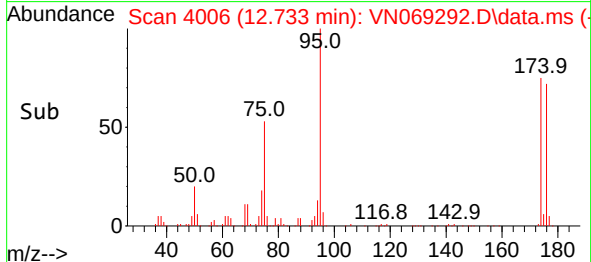
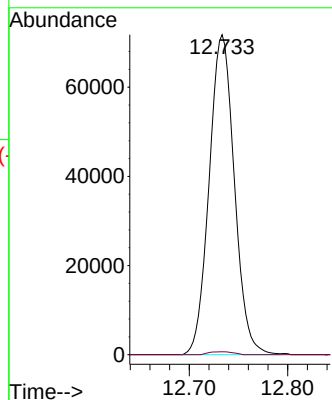
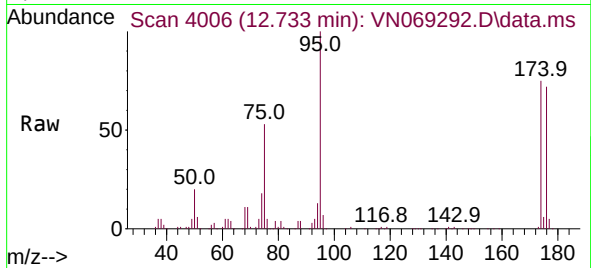




#76
1,2,3-Trichloropropane
Concen: 24.456 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069292.D
Acq: 29 Oct 2021 11:13

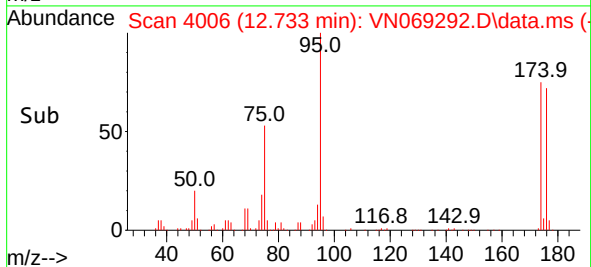
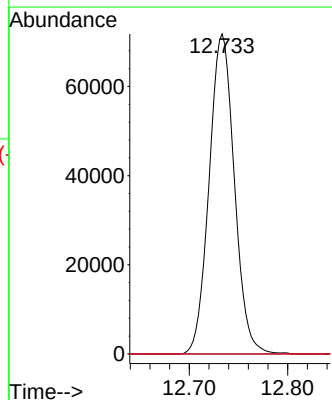
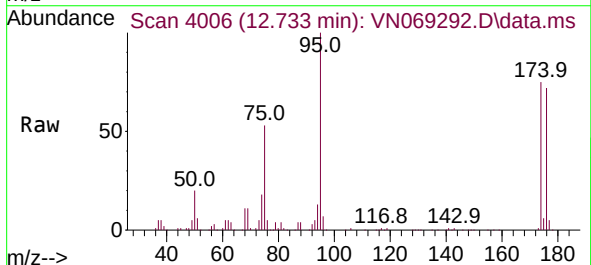
Instrument :
MSVOA_N
ClientSampleId :

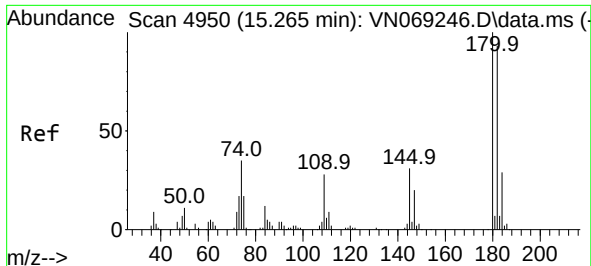
Tgt Ion: 75 Resp: 127852
Ion Ratio Lower Upper
75 100
77 0.9 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.139 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069292.D
Acq: 29 Oct 2021 11:13

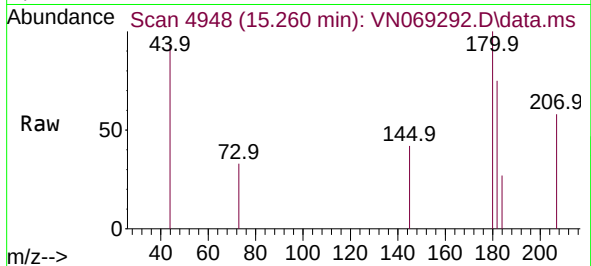
Tgt Ion: 75 Resp: 127852
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



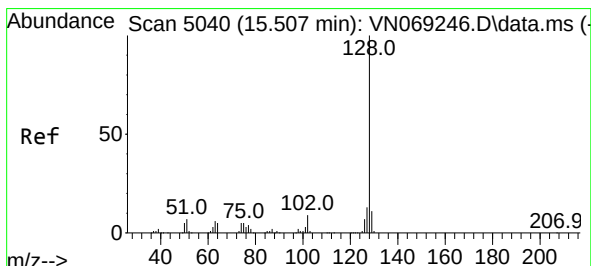
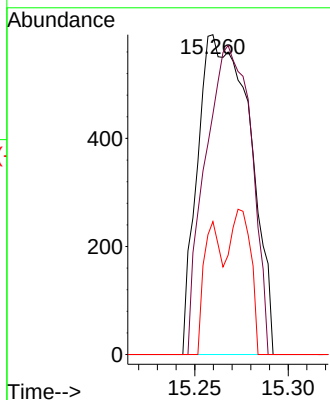
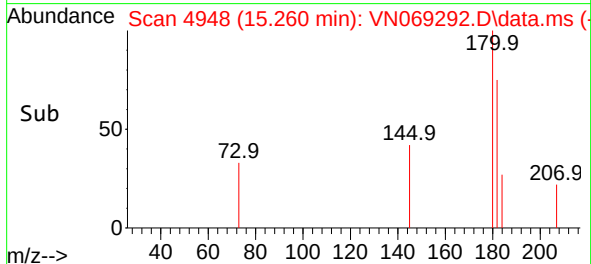


#93
1,2,4-Trichlorobenzene
Concen: 2.826 ug/l
RT: 15.260 min Scan# 4950
Delta R.T. -0.005 min
Lab File: VN069292.D
Acq: 29 Oct 2021 11:13

Instrument :
MSVOA_N
ClientSampleId :

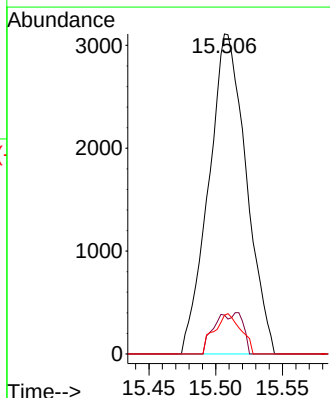
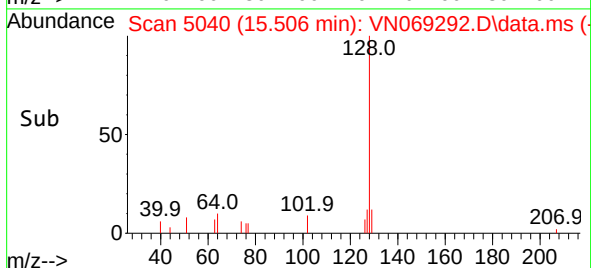
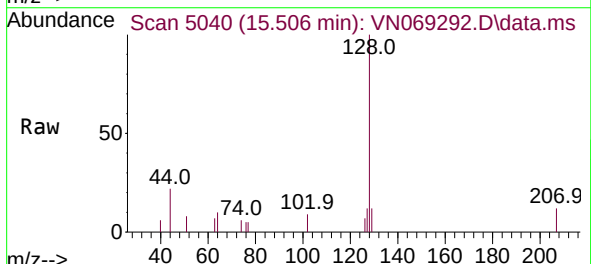


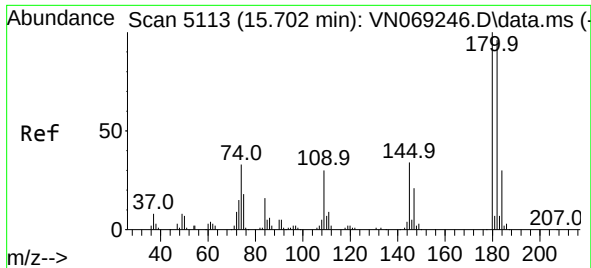
Tgt Ion:180 Resp: 1151
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.7#
145 14.0 16.4 49.2#



#95
Naphthalene
Concen: 3.879 ug/l
RT: 15.506 min Scan# 5040
Delta R.T. -0.001 min
Lab File: VN069292.D
Acq: 29 Oct 2021 11:13

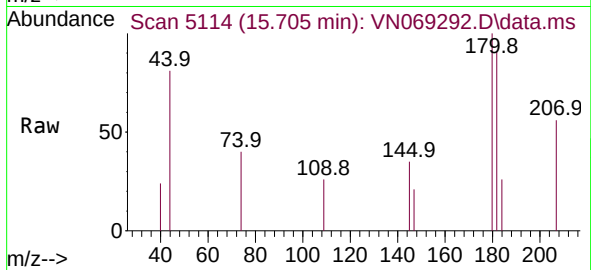
Tgt Ion:128 Resp: 6076
Ion Ratio Lower Upper
128 100
127 5.4 10.5 15.7#
129 9.0 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 2.572 ug/l
 RT: 15.705 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VN069292.D
 Acq: 29 Oct 2021 11:13

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1205

Ion	Ratio	Lower	Upper
180	100		
182	110.5	48.1	144.3
145	26.1	17.4	52.2

