

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062822\
 Data File : VN073214.D
 Acq On : 28 Jun 2022 22:15
 Operator : JC\MD
 Sample : N3494-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-EXC-1-6-GRRE

Quant Time: Jun 29 02:04:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

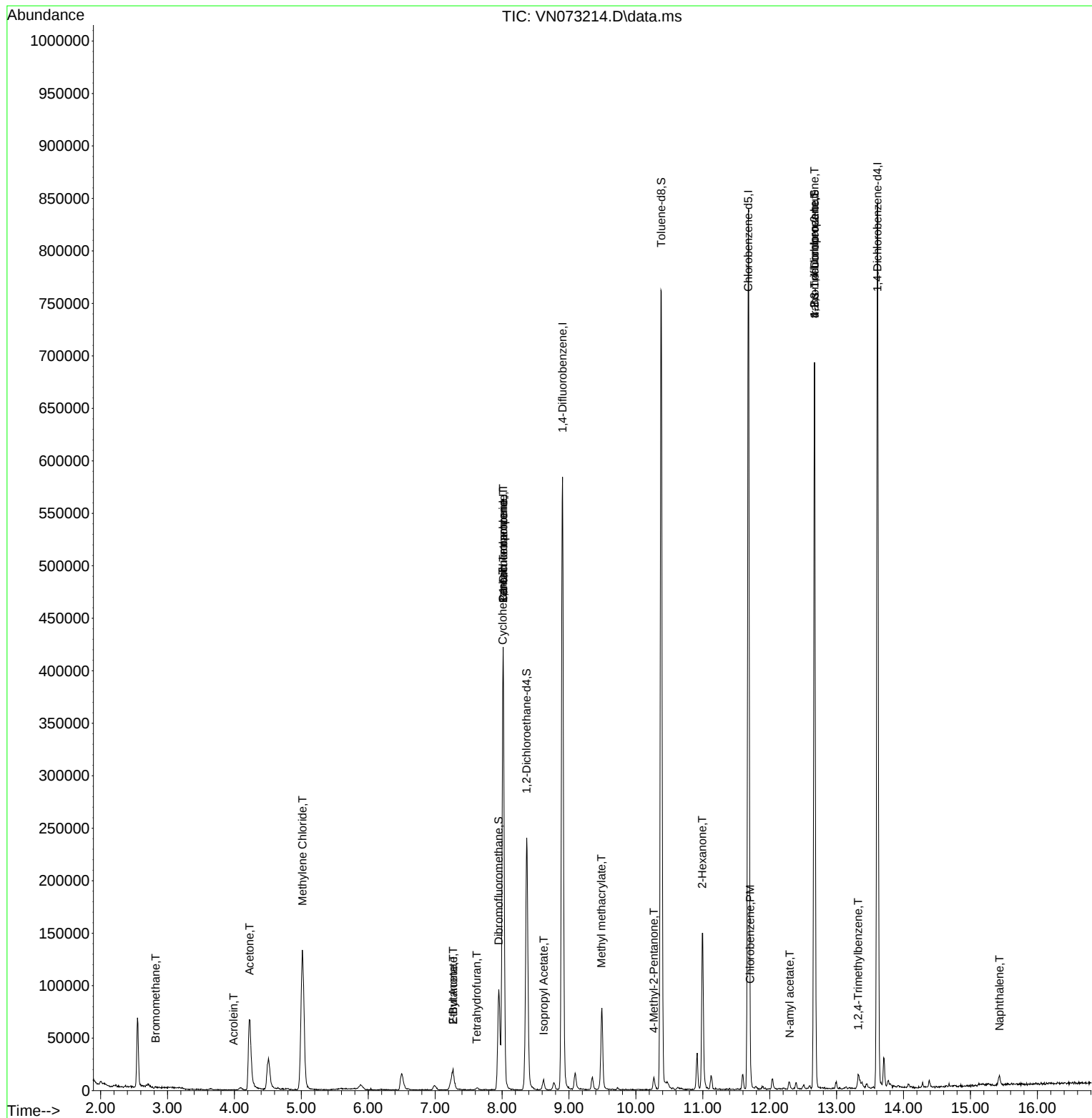
Internal Standards						
1) Pentafluorobenzene	8.016	168	312750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	514383	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	471138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	226103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	194601	43.102	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.200%
35) Dibromofluoromethane	7.951	113	68691	20.072	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	40.140%#
50) Toluene-d8	10.380	98	536069	44.104	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.200%
62) 4-Bromofluorobenzene	12.668	95	236211	50.570	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.140%
Target Compounds						
					Qvalue	
5) Bromomethane	2.822	94	477	0.268	ug/l #	2
13) Acrolein	3.987	56	170	0.246	ug/l #	74
16) Acetone	4.228	43	127460	50.294	ug/l	94
20) Methylene Chloride	5.016	84	107478	24.132	ug/l	95
25) 2-Butanone	7.269	43	29812	7.389	ug/l	94
29) Tetrahydrofuran	7.622	42	866	0.313	ug/l #	79
31) Cyclohexane	8.010	56	7409	1.002	ug/l #	20
36) 1,1-Dichloropropene	8.016	75	26842	5.097	ug/l #	49
37) Ethyl Acetate	7.269	43	29812	3.747	ug/l #	67
38) Carbon Tetrachloride	8.016	117	31841	5.847	ug/l #	17
43) Isopropyl Acetate	8.622	43	3769	0.330	ug/l #	53
48) Methyl methacrylate	9.486	41	8234	1.555	ug/l #	40
51) 4-Methyl-2-Pentanone	10.269	43	8665	1.195	ug/l	92
59) 2-Hexanone	10.992	43	130961	23.692	ug/l #	21
65) Chlorobenzene	11.710	112	2339	0.220	ug/l	89
74) N-amyl acetate	12.298	43	5689	0.582	ug/l #	44
76) 1,2,3-Trichloropropane	12.668	75	124213	21.010	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	124213	57.619	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.321	105	4730	0.298	ug/l #	38
95) Naphthalene	15.433	128	8719	0.500	ug/l #	74

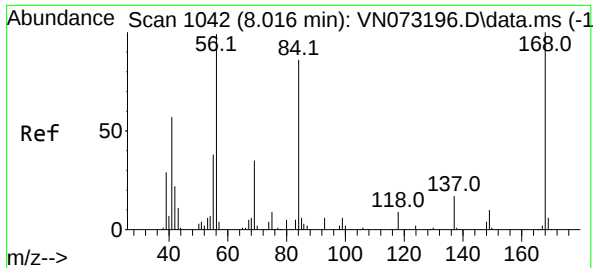
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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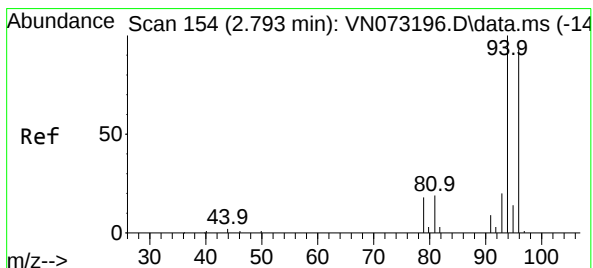
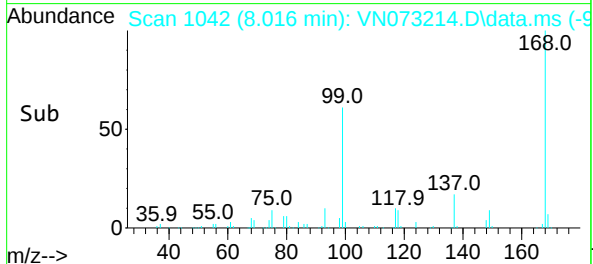
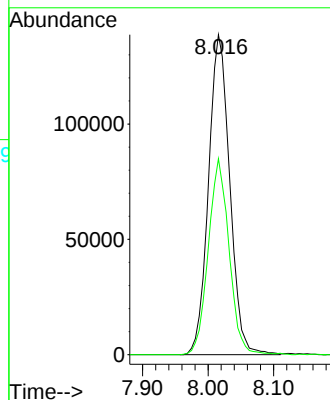
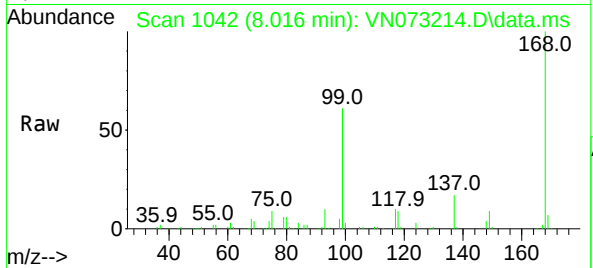




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

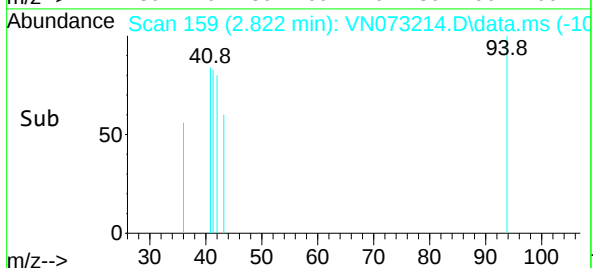
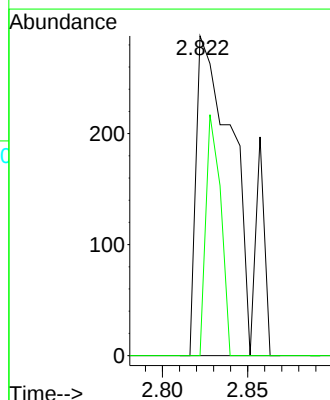
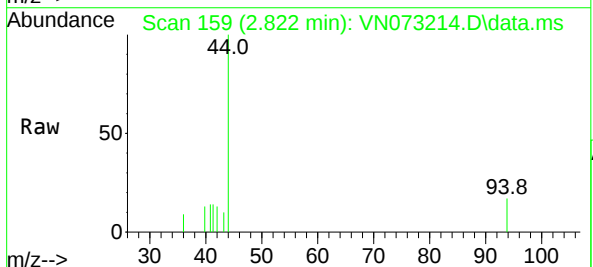
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-6-GRRE

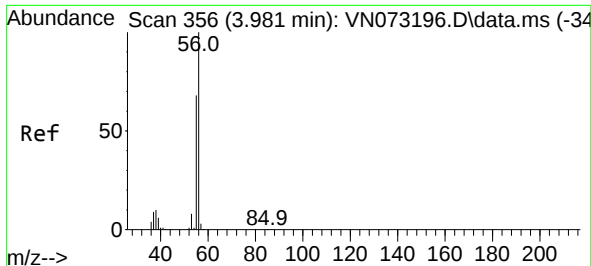
Tgt Ion:168 Resp: 312750
Ion Ratio Lower Upper
168 100
99 61.3 42.3 63.5



#5
Bromomethane
Concen: 0.268 ug/l
RT: 2.822 min Scan# 159
Delta R.T. 0.029 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

Tgt Ion: 94 Resp: 477
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#

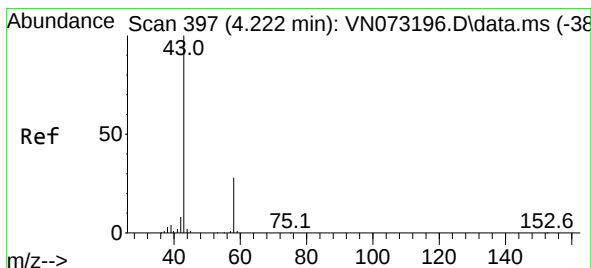
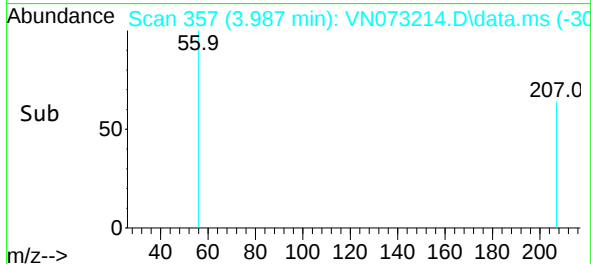
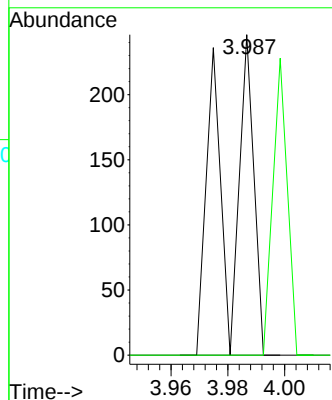
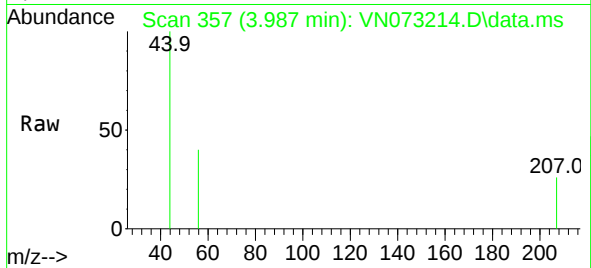




#13
Acrolein
Concen: 0.246 ug/l
RT: 3.987 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

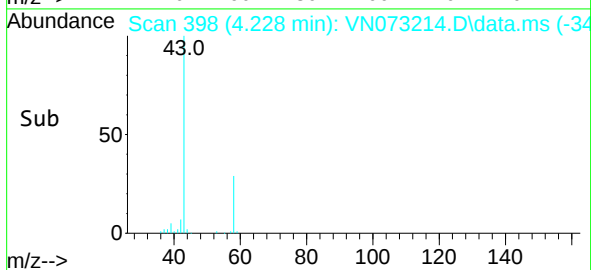
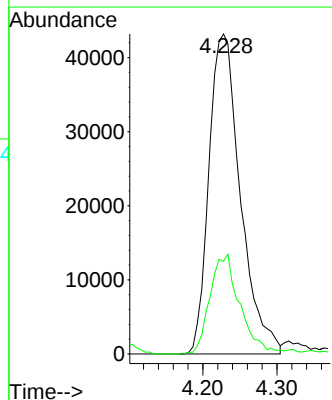
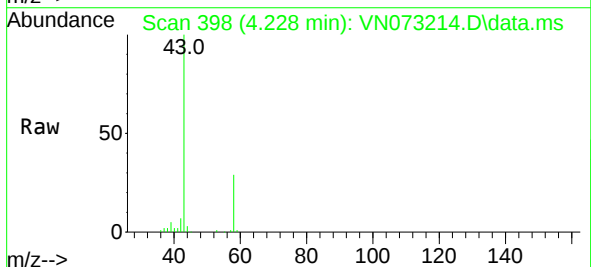
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-6-GRRE

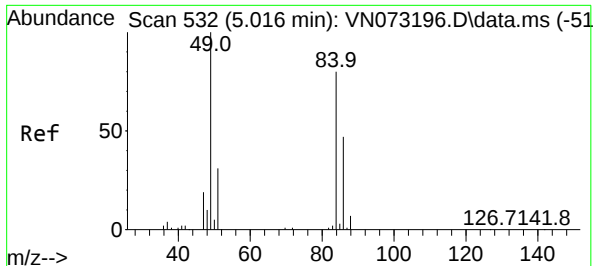
Tgt Ion: 56 Resp: 170
Ion Ratio Lower Upper
56 100
55 47.1 54.8 82.2#



#16
Acetone
Concen: 50.294 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

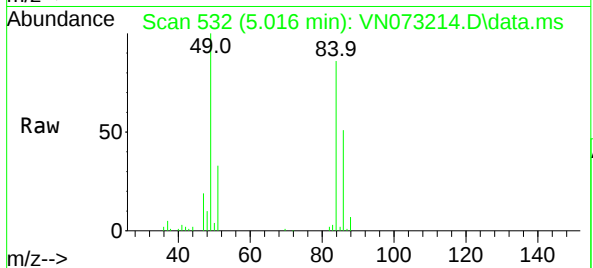
Tgt Ion: 43 Resp: 127460
Ion Ratio Lower Upper
43 100
58 28.9 26.0 39.0





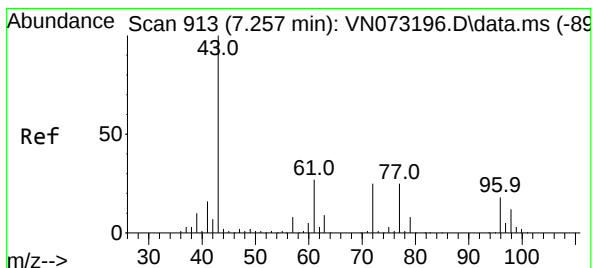
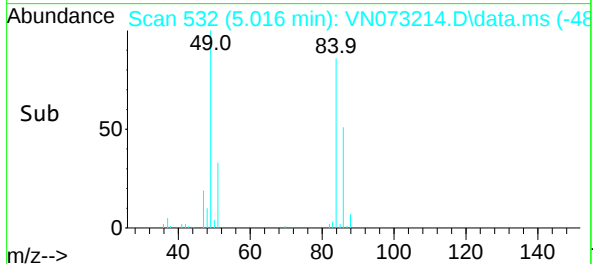
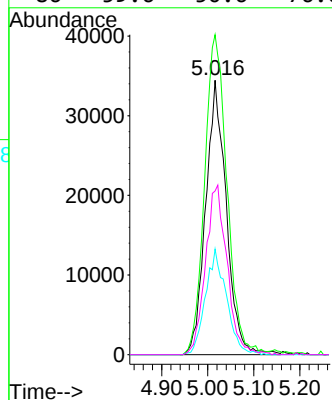
#20
Methylene Chloride
Concen: 24.132 ug/l
RT: 5.016 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-6-GRRE



Tgt Ion: 84 Resp: 107478

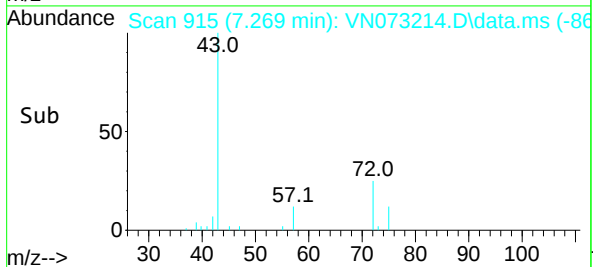
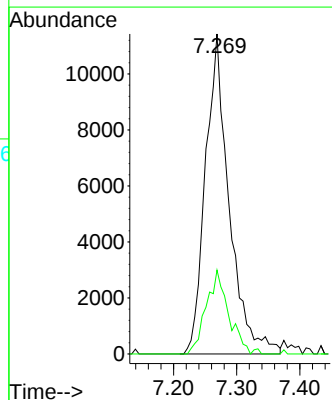
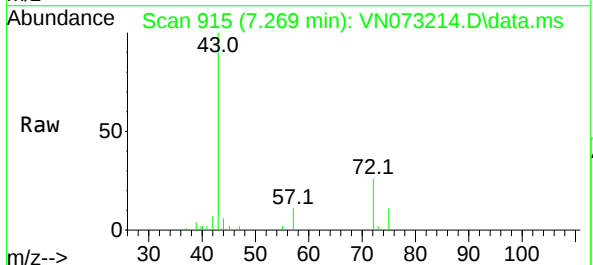
Ion	Ratio	Lower	Upper
84	100		
49	116.6	88.3	132.5
51	38.5	28.2	42.2
86	59.6	50.6	76.0

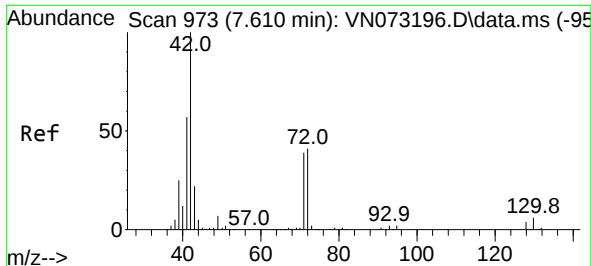


#25
2-Butanone
Concen: 7.389 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

Tgt Ion: 43 Resp: 29812

Ion	Ratio	Lower	Upper
43	100		
72	26.2	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.313 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073214.D

Acq: 28 Jun 2022 22:15

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-1-6-GRRE

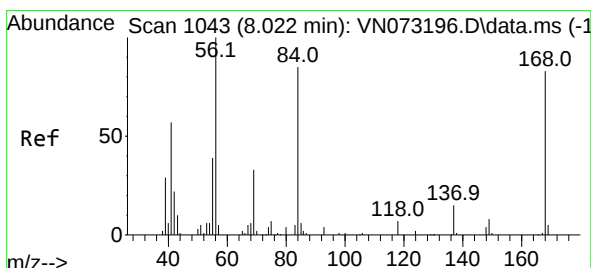
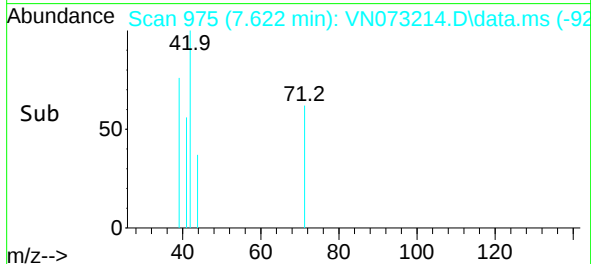
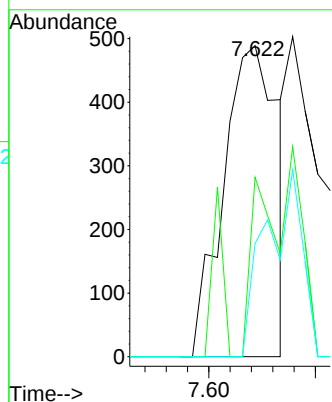
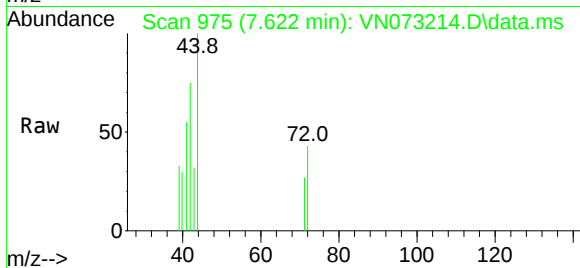
Tgt Ion: 42 Resp: 866

Ion Ratio Lower Upper

42 100

72 27.1 39.7 59.5#

71 40.3 36.6 55.0



#31

Cyclohexane

Concen: 1.002 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN073214.D

Acq: 28 Jun 2022 22:15

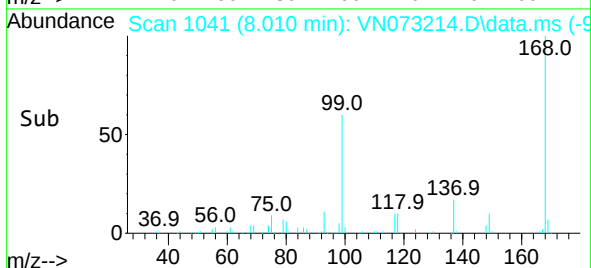
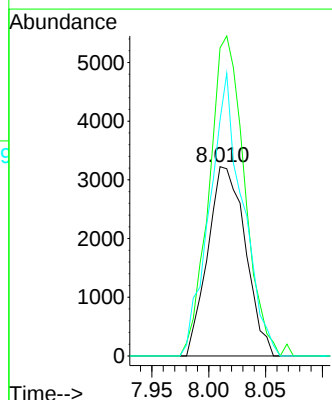
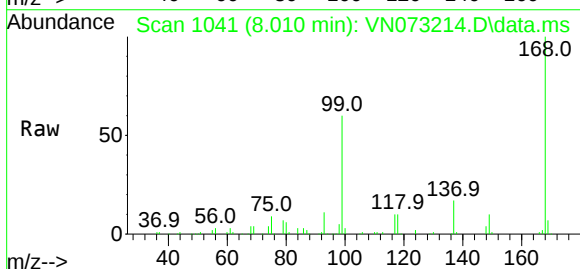
Tgt Ion: 56 Resp: 7409

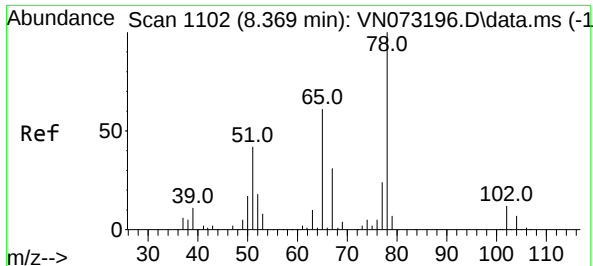
Ion Ratio Lower Upper

56 100

69 162.7 27.8 41.8#

84 124.7 76.9 115.3#

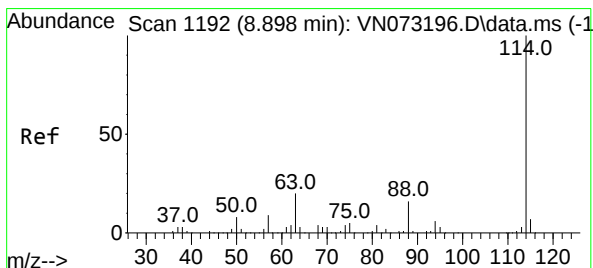
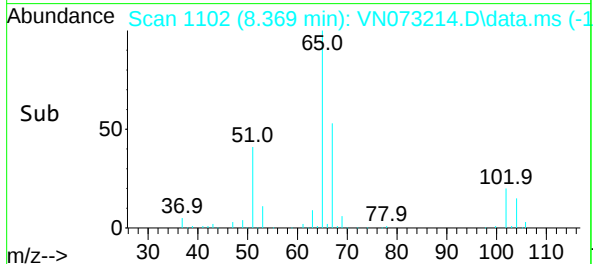
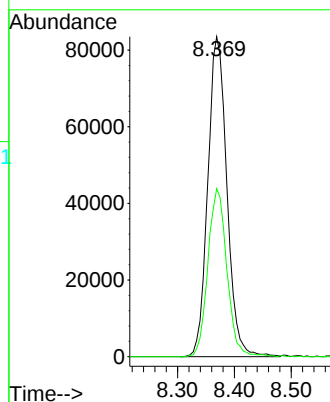
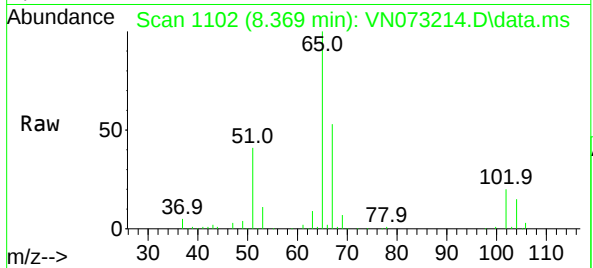




#33
1,2-Dichloroethane-d4
Concen: 43.102 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

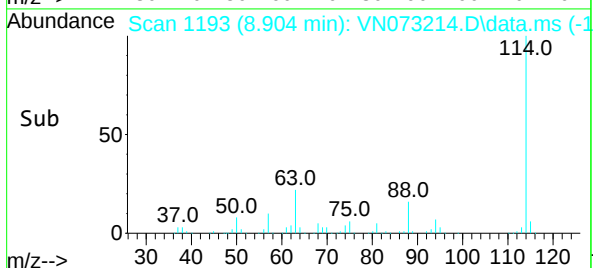
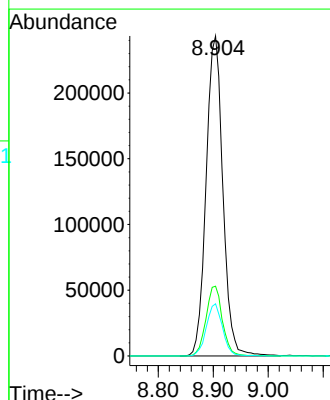
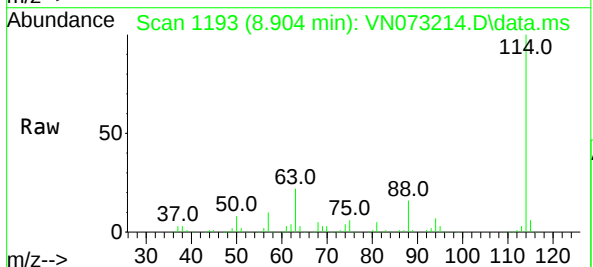
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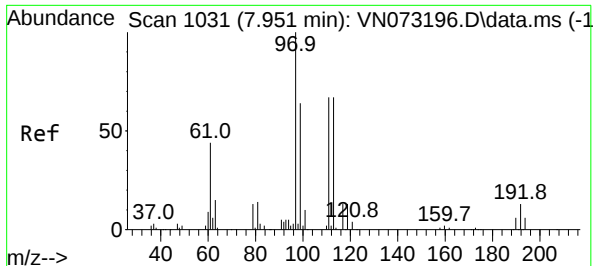
Tgt Ion: 65 Resp: 194601
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.006 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

Tgt Ion: 114 Resp: 514383
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.0
88 16.3 0.0 32.6

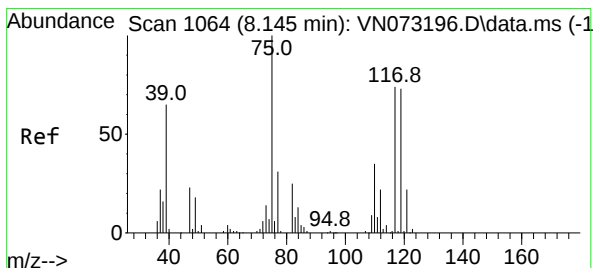
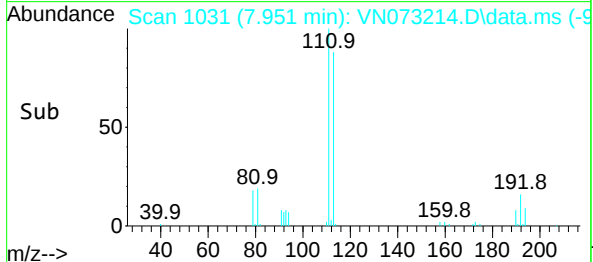
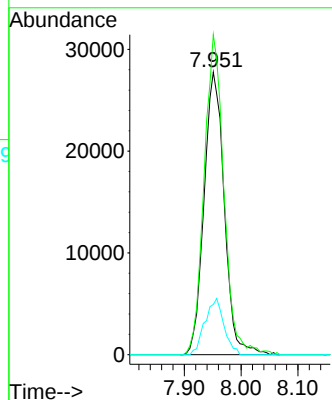
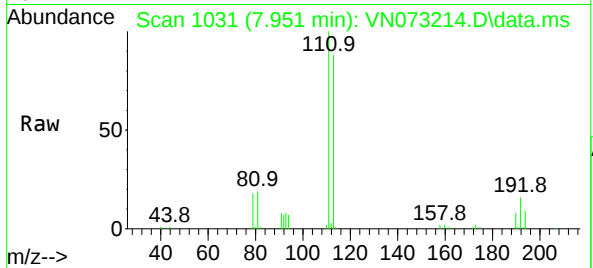




#35
Dibromofluoromethane
Concen: 20.072 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

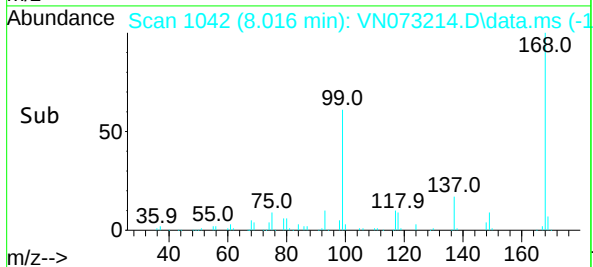
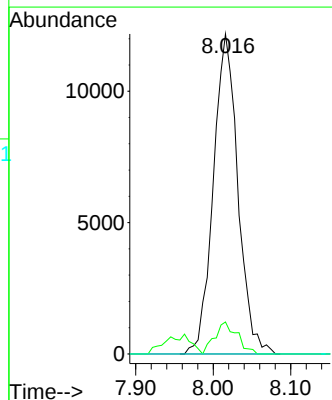
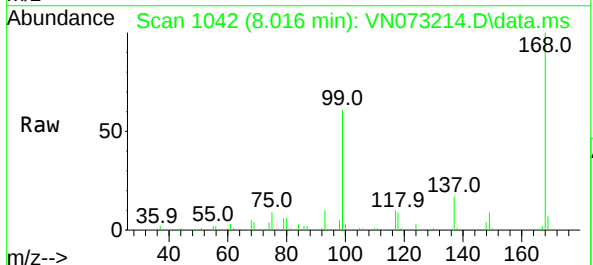
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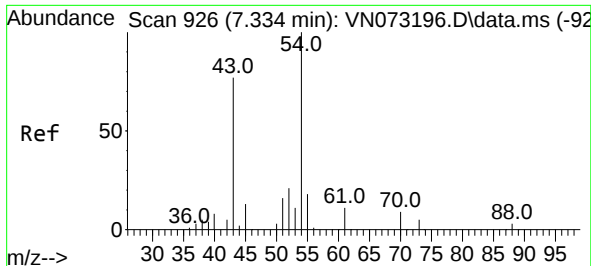
Tgt Ion:113 Resp: 68691
Ion Ratio Lower Upper
113 100
111 110.8 81.4 122.0
192 18.6 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.097 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.129 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

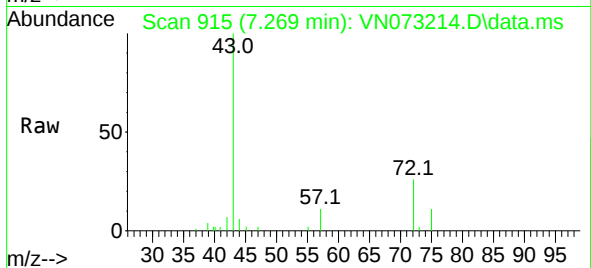
Tgt Ion: 75 Resp: 26842
Ion Ratio Lower Upper
75 100
110 9.1 18.3 54.8#
77 0.0 25.1 37.7#



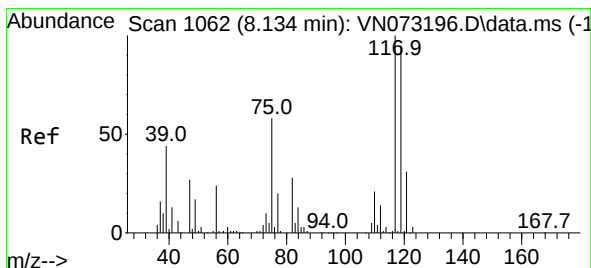
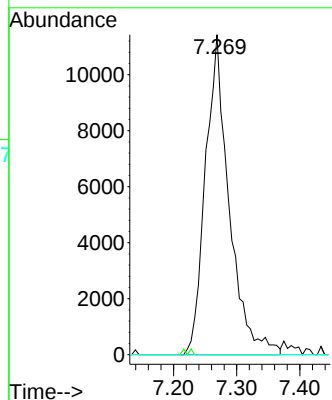
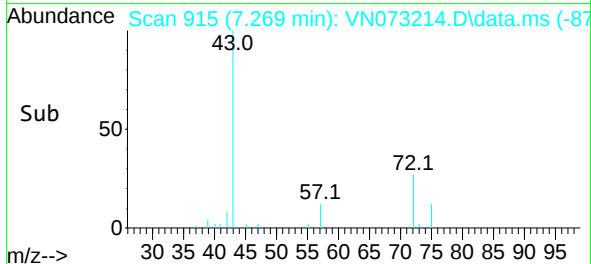


#37
Ethyl Acetate
Concen: 3.747 ug/l
RT: 7.269 min Scan# 91
Delta R.T. -0.065 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

Instrument :
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ClientSampleId :
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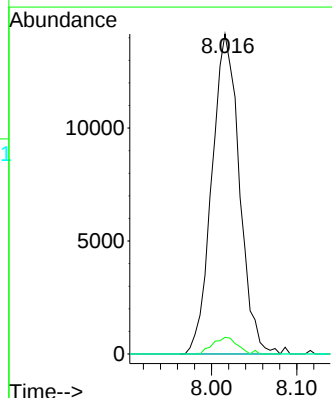
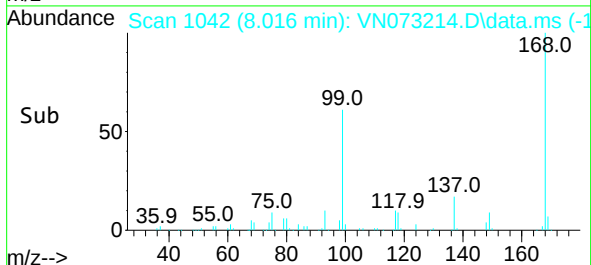
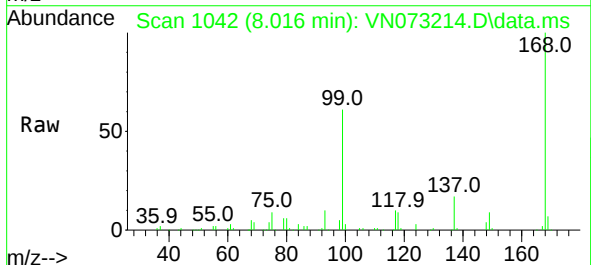


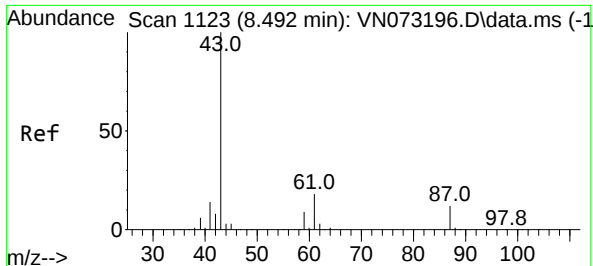
Tgt Ion: 43 Resp: 29812
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 5.847 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

Tgt Ion: 117 Resp: 31841
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.8#
121 0.0 24.6 37.0#

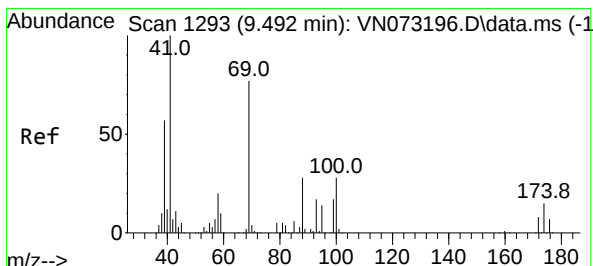
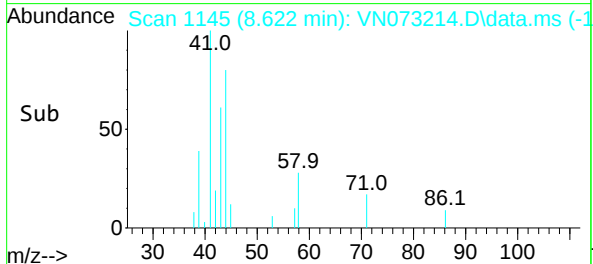
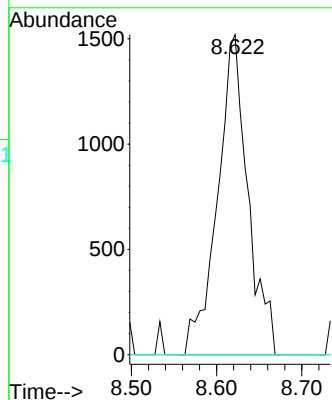
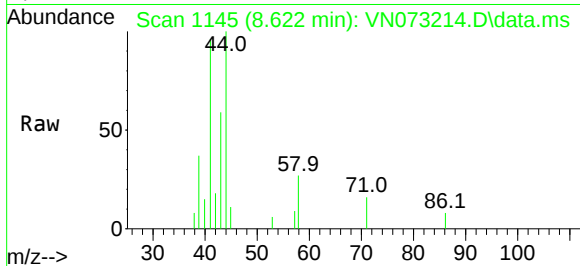




#43
Isopropyl Acetate
Concen: 0.330 ug/l
RT: 8.622 min Scan# 1145
Delta R.T. 0.130 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

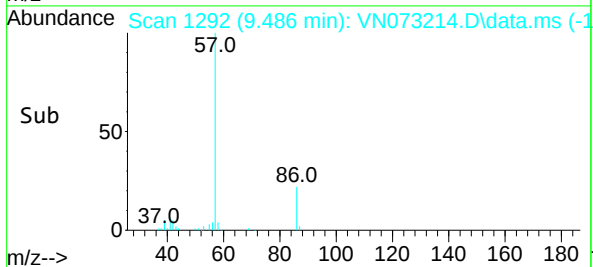
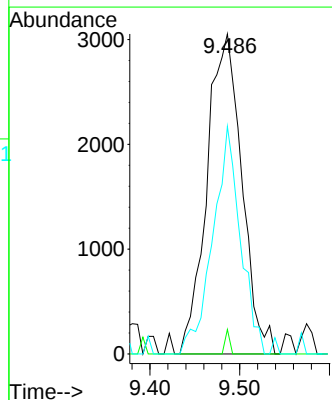
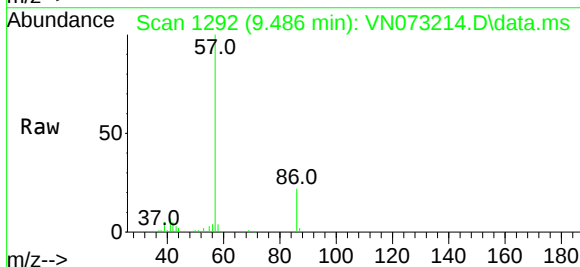
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-6-GRRE

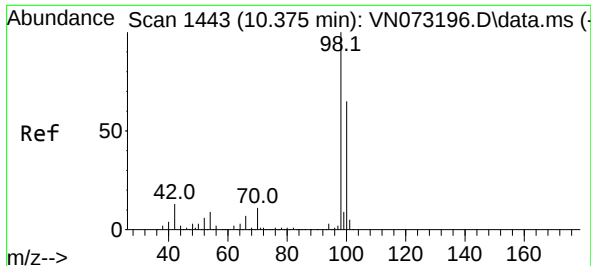
Tgt Ion: 43 Resp: 3769
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#48
Methyl methacrylate
Concen: 1.555 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.006 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

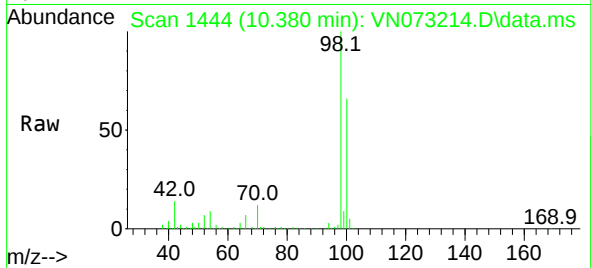
Tgt Ion: 41 Resp: 8234
Ion Ratio Lower Upper
41 100
69 1.0 74.7 112.1#
39 56.4 45.6 68.4



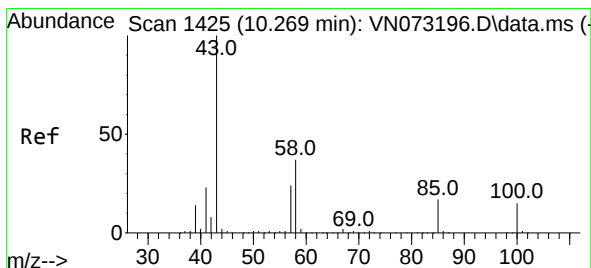
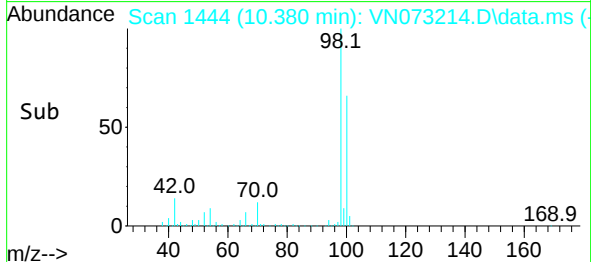
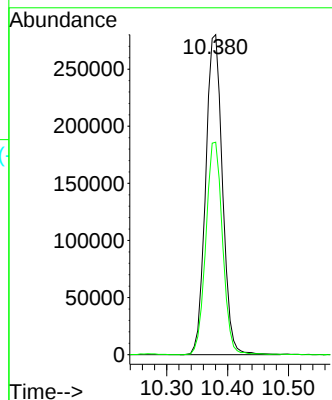


#50
Toluene-d8
Concen: 44.104 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-6-GRRE

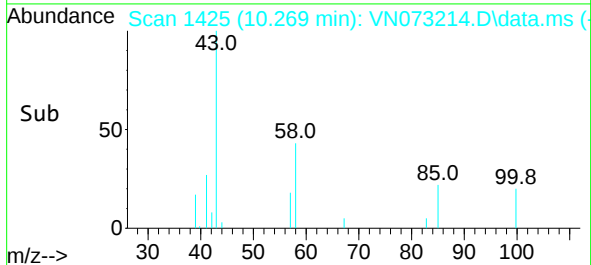
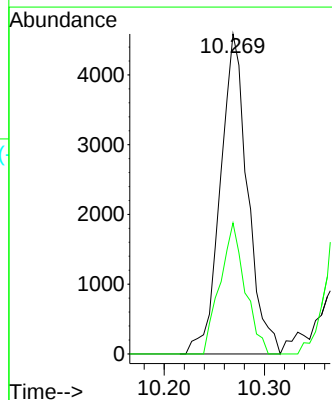
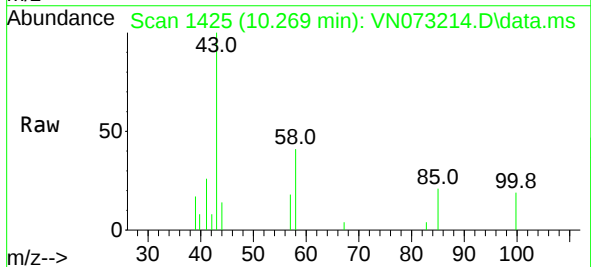


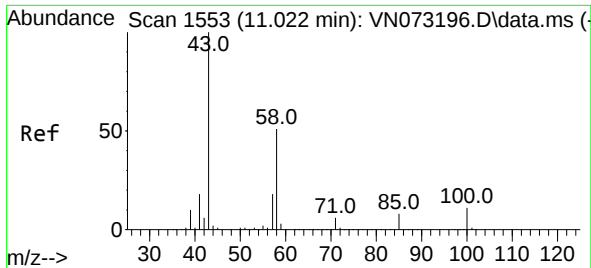
Tgt Ion: 98 Resp: 536069
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.195 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

Tgt Ion: 43 Resp: 8665
Ion Ratio Lower Upper
43 100
58 37.7 34.1 51.1

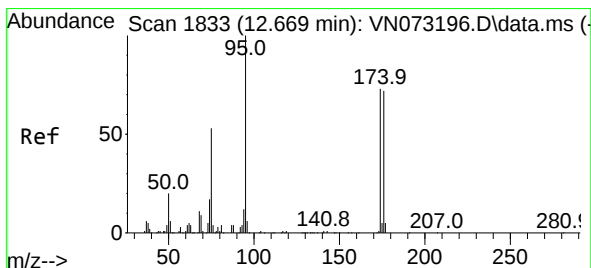
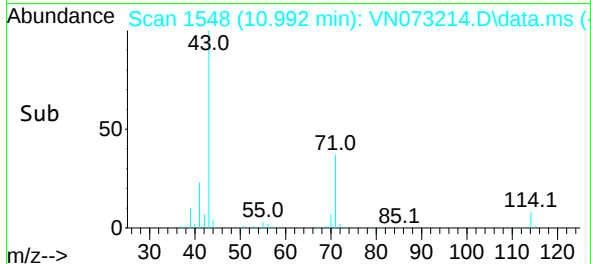
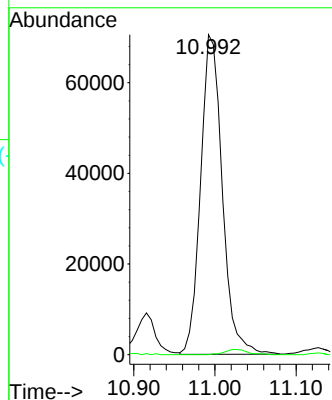
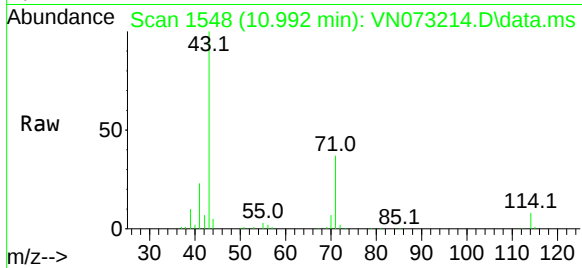




#59
2-Hexanone
Concen: 23.692 ug/l
RT: 10.992 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

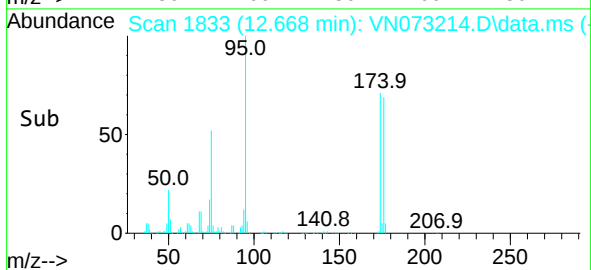
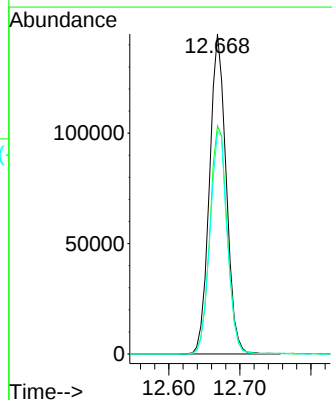
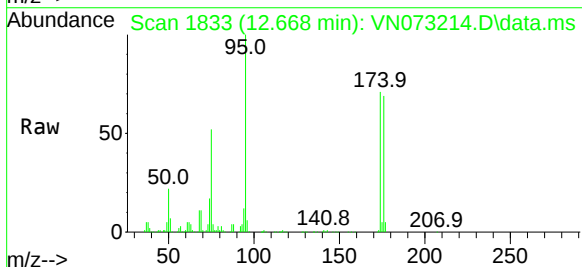
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-6-GRRE

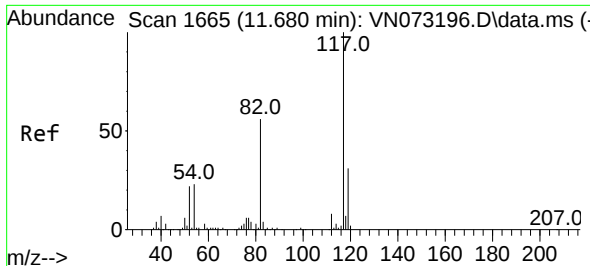
Tgt Ion: 43 Resp: 130961
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 50.570 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

Tgt Ion: 95 Resp: 236211
Ion Ratio Lower Upper
95 100
174 73.9 0.0 167.6
176 71.9 0.0 163.4

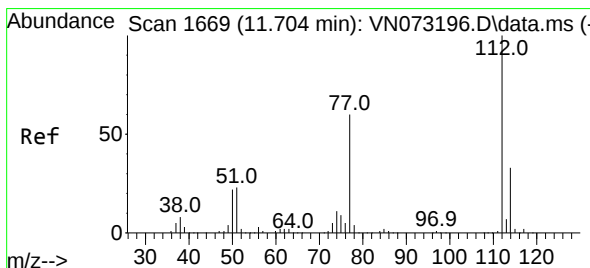
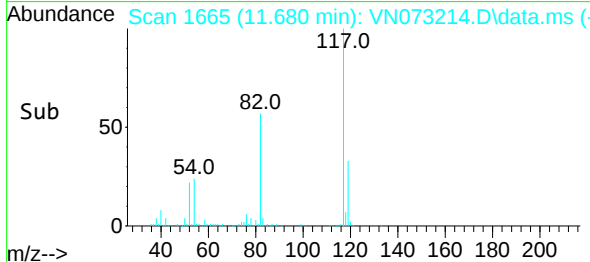
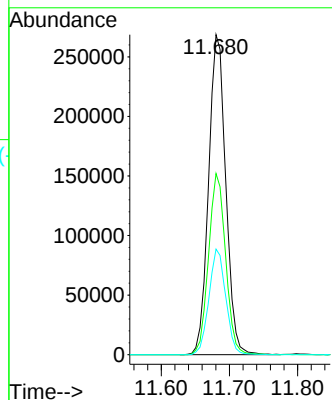
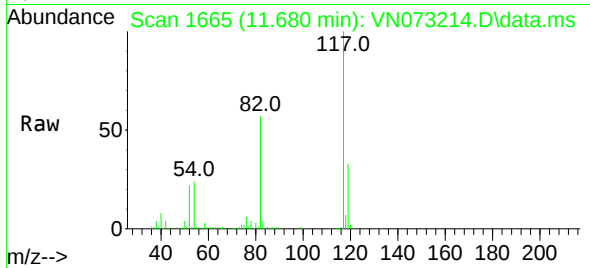




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

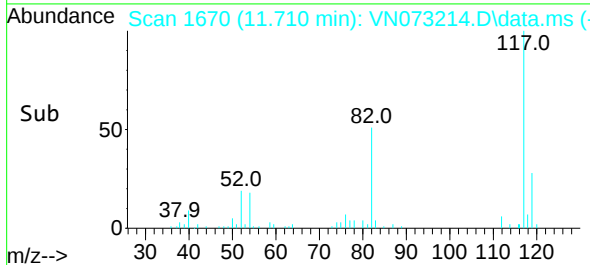
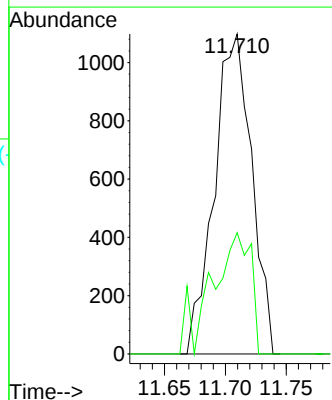
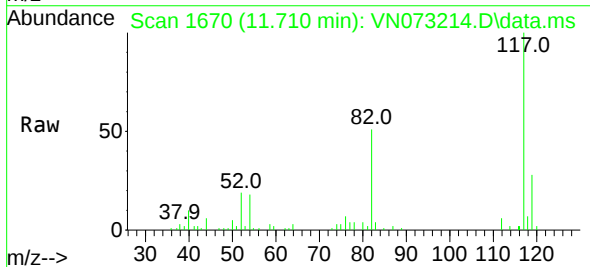
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-6-GRRE

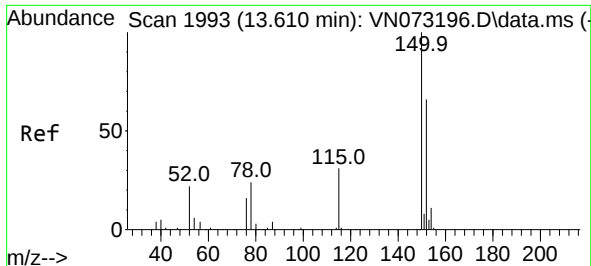
Tgt Ion:117 Resp: 471138
Ion Ratio Lower Upper
117 100
82 56.6 44.2 66.2
119 33.0 25.4 38.0



#65
Chlorobenzene
Concen: 0.220 ug/l
RT: 11.710 min Scan# 1670
Delta R.T. 0.006 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

Tgt Ion:112 Resp: 2339
Ion Ratio Lower Upper
112 100
114 37.9 25.4 38.2

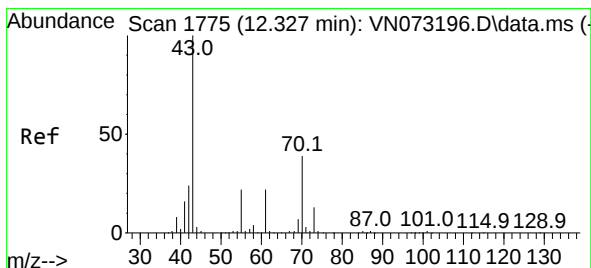
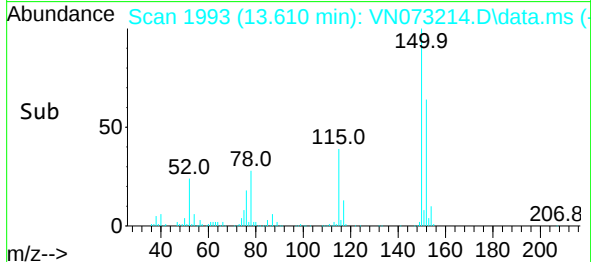
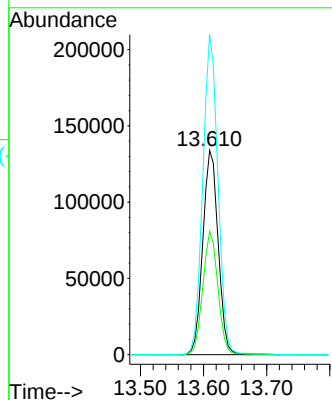
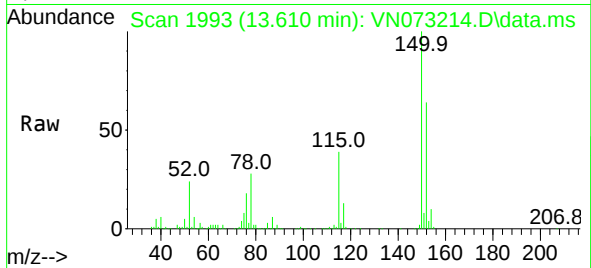




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

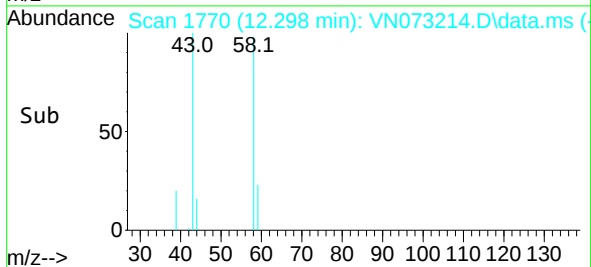
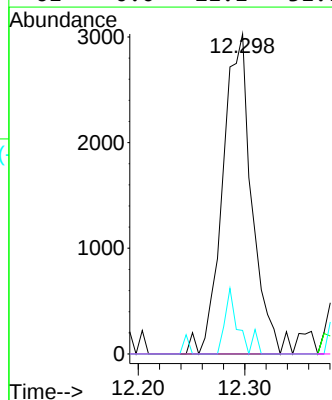
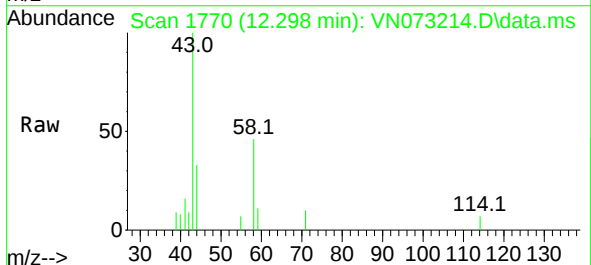
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-6-GRRE

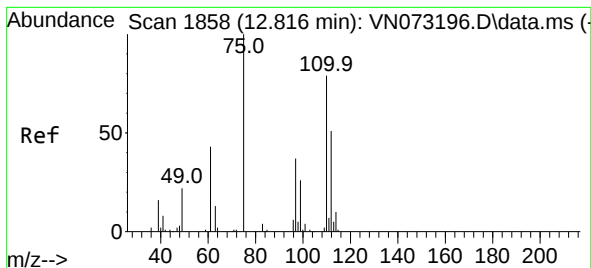
Tgt Ion:152 Resp: 226103
Ion Ratio Lower Upper
152 100
115 59.6 28.9 86.7
150 154.8 0.0 356.2



#74
N-ethyl acetate
Concen: 0.582 ug/l
RT: 12.298 min Scan# 1770
Delta R.T. -0.029 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

Tgt Ion: 43 Resp: 5689
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 9.7 21.1 31.7#
61 0.0 21.1 31.7#

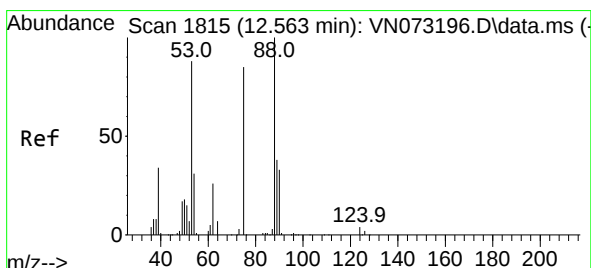
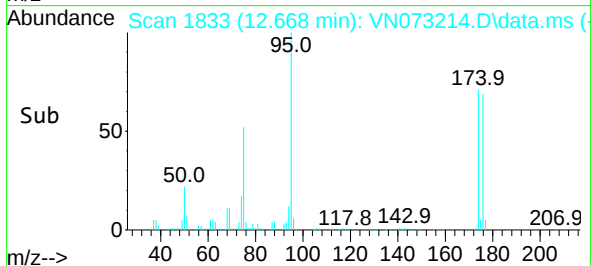
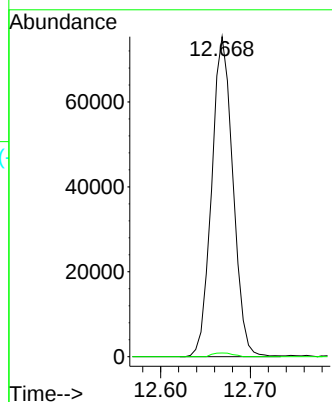
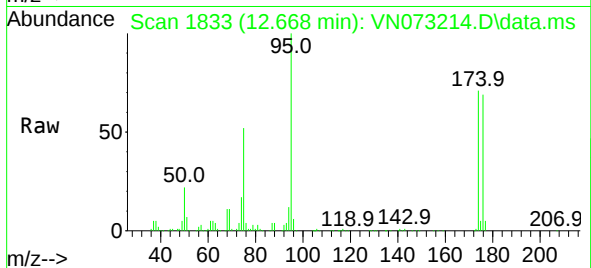




#76
1,2,3-Trichloropropane
Concen: 21.010 ug/l
RT: 12.668 min Scan# 1858
Delta R.T. -0.148 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

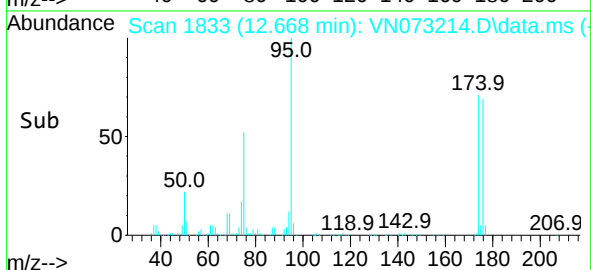
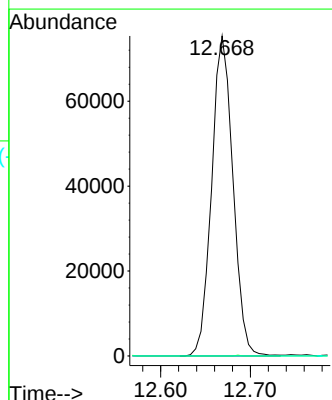
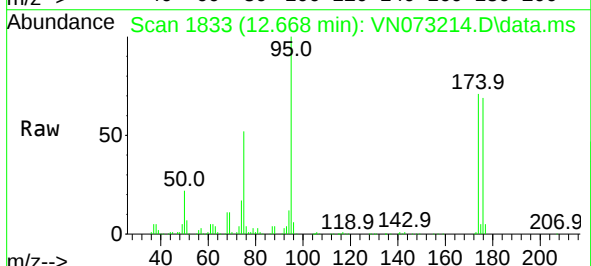
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-6-GRRE

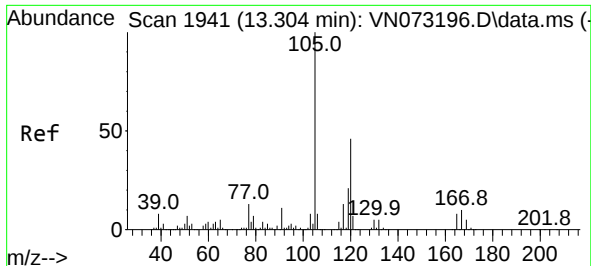
Tgt Ion: 75 Resp: 124213
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.619 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.105 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

Tgt Ion: 75 Resp: 124213
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

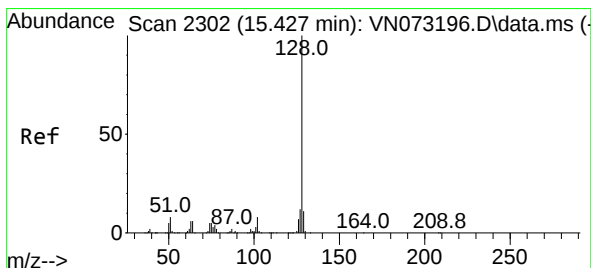
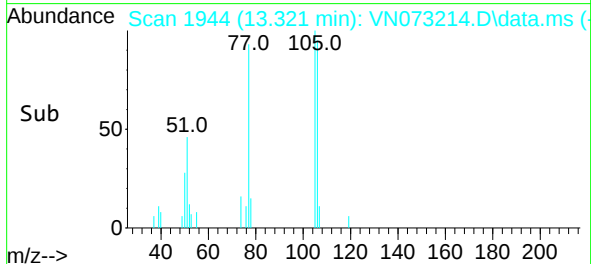
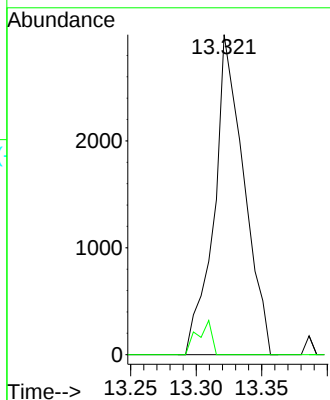
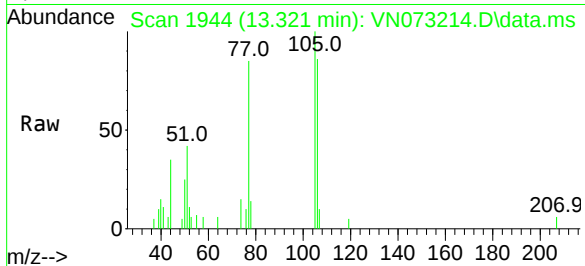




#84
1,2,4-Trimethylbenzene
Concen: 0.298 ug/l
RT: 13.321 min Scan# 1944
Delta R.T. 0.017 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-6-GRRE

Tgt Ion:105 Resp: 4730
Ion Ratio Lower Upper
105 100
120 5.2 23.3 69.8#



#95
Naphthalene
Concen: 0.500 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN073214.D
Acq: 28 Jun 2022 22:15

Tgt Ion:128 Resp: 8719
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 4.2 8.6 13.0#

