

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062822\
 Data File : VN073213.D
 Acq On : 28 Jun 2022 21:51
 Operator : JC\MD
 Sample : N3494-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-EXC-1-4-GRRE

Quant Time: Jun 29 02:04:13 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)

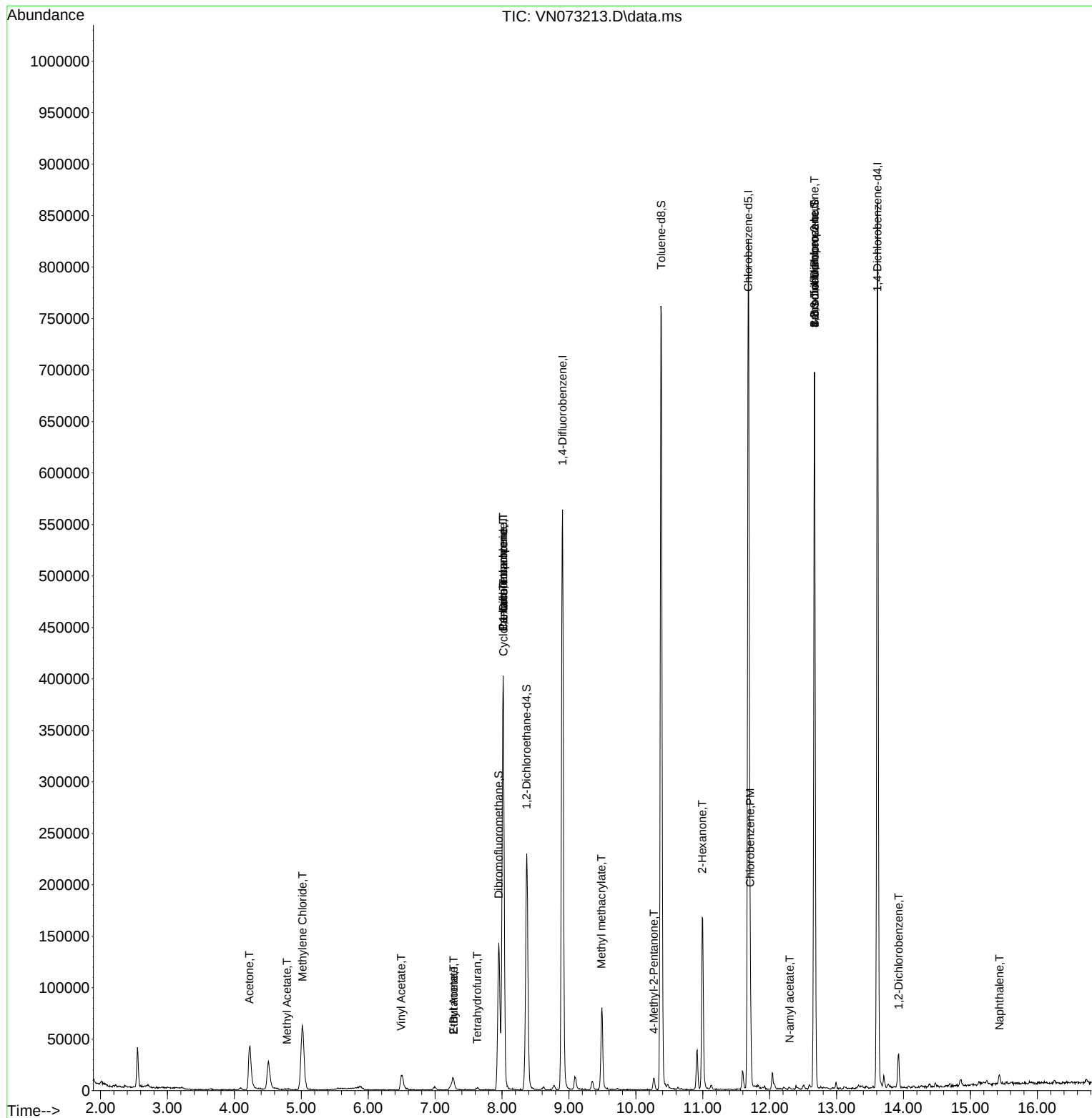
Internal Standards						
1) Pentafluorobenzene	8.016	168	301147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	497347	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	466184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	225397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	188226	43.296	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.600%
35) Dibromofluoromethane	7.951	113	102623	31.014	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	62.020%#
50) Toluene-d8	10.381	98	527891	44.919	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.840%
62) 4-Bromofluorobenzene	12.669	95	231823	51.330	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.660%
Target Compounds						
					Qvalue	
16) Acetone	4.222	43	83144	34.072	ug/l #	87
18) Methyl Acetate	4.787	43	1630	0.238	ug/l #	55
20) Methylene Chloride	5.016	84	49904	11.637	ug/l	92
23) Vinyl Acetate	6.493	43	3125	0.250	ug/l #	68
25) 2-Butanone	7.275	43	19953	5.136	ug/l	90
29) Tetrahydrofuran	7.628	42	1513	0.569	ug/l #	72
31) Cyclohexane	8.022	56	6998	0.983	ug/l #	19
36) 1,1-Dichloropropene	8.016	75	25670	5.042	ug/l #	48
37) Ethyl Acetate	7.275	43	19953	2.594	ug/l #	67
38) Carbon Tetrachloride	8.016	117	30685	5.828	ug/l #	16
48) Methyl methacrylate	9.486	41	7132	1.393	ug/l #	39
51) 4-Methyl-2-Pentanone	10.269	43	8723	1.244	ug/l	95
59) 2-Hexanone	10.992	43	144257	26.991	ug/l #	21
65) Chlorobenzene	11.710	112	51796	4.913	ug/l	100
71) Bromoform	12.669	173	1626	0.573	ug/l #	1
74) N-amyl acetate	12.298	43	2029	0.208	ug/l #	47
76) 1,2,3-Trichloropropane	12.669	75	122295	20.750	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	122295	56.907	ug/l #	10
91) 1,2-Dichlorobenzene	13.927	146	13667	1.653	ug/l	96
95) Naphthalene	15.433	128	9368	0.539	ug/l	99

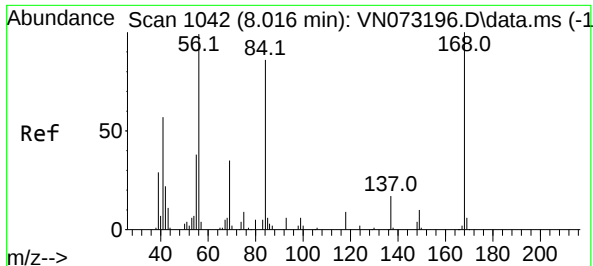
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SP-EXC-1-4-GRRE

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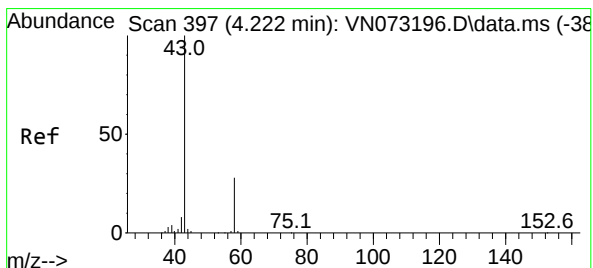
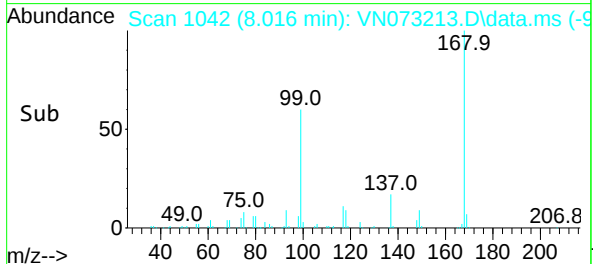
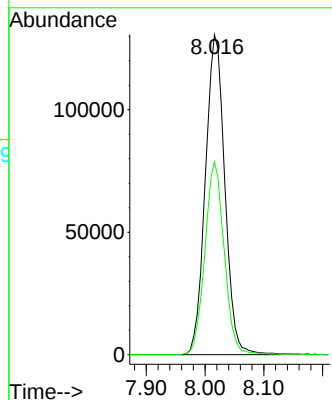
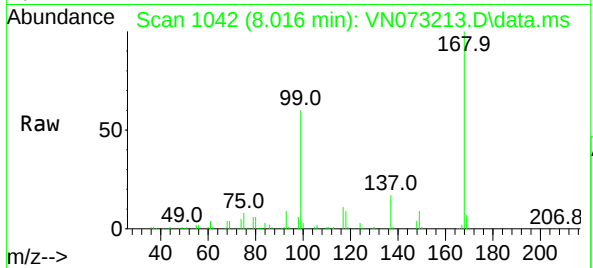




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073213.D
Acq: 28 Jun 2022 21:51

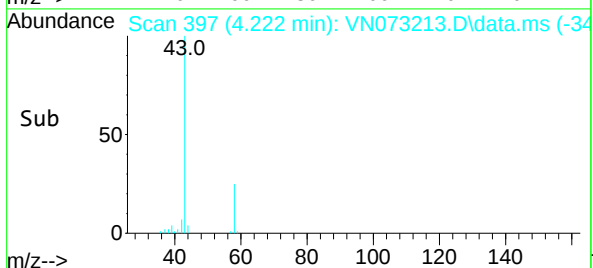
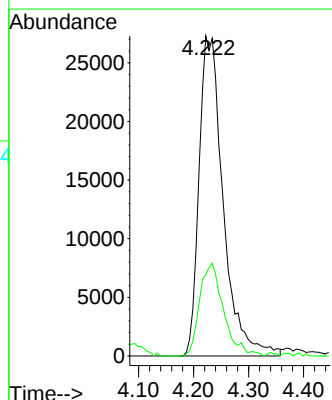
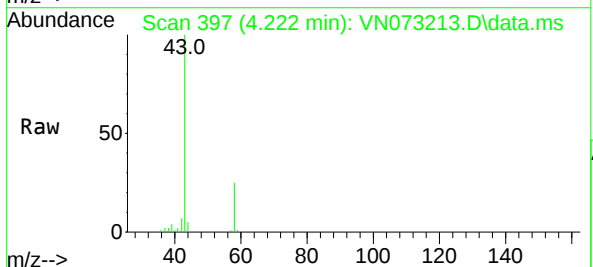
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-4-GRRE

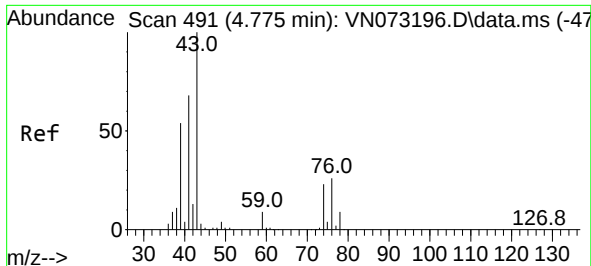
Tgt Ion:168 Resp: 301147
Ion Ratio Lower Upper
168 100
99 60.3 42.3 63.5



#16
Acetone
Concen: 34.072 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.000 min
Lab File: VN073213.D
Acq: 28 Jun 2022 21:51

Tgt Ion: 43 Resp: 83144
Ion Ratio Lower Upper
43 100
58 25.4 26.0 39.0#

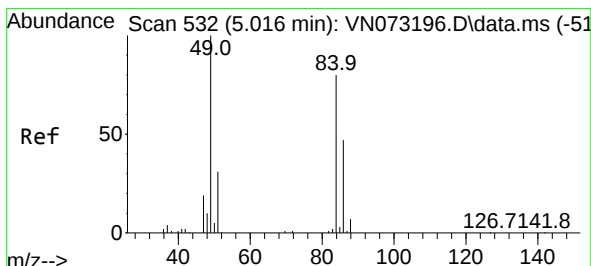
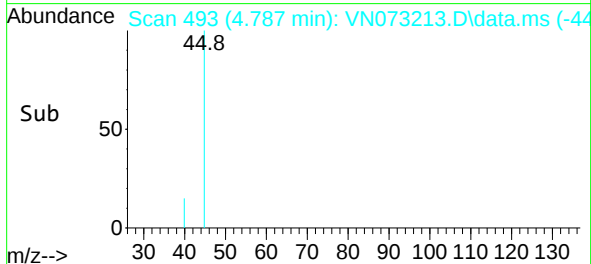
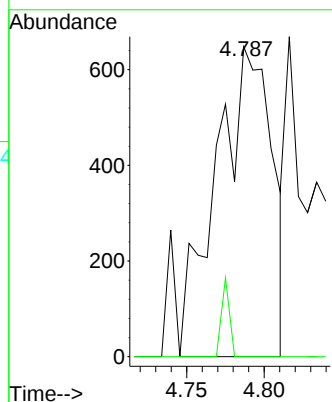
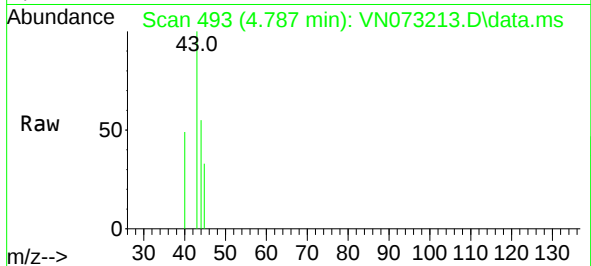




#18
Methyl Acetate
Concen: 0.238 ug/l
RT: 4.787 min Scan# 491
Delta R.T. 0.012 min
Lab File: VN073213.D
Acq: 28 Jun 2022 21:51

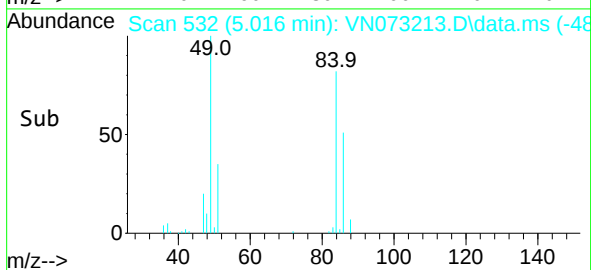
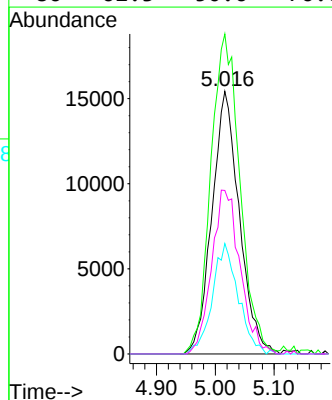
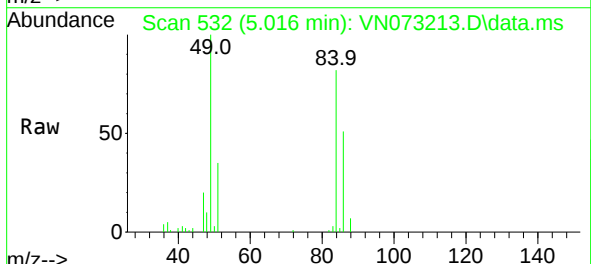
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-4-GRRE

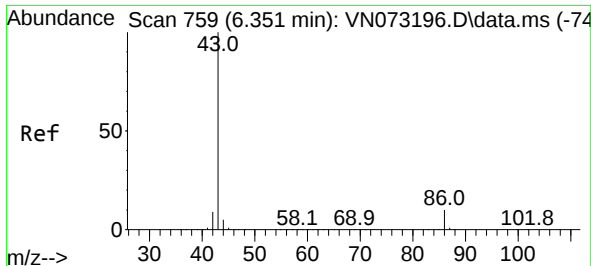
Tgt Ion: 43 Resp: 1630
Ion Ratio Lower Upper
43 100
74 3.6 21.6 32.4#



#20
Methylene Chloride
Concen: 11.637 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.000 min
Lab File: VN073213.D
Acq: 28 Jun 2022 21:51

Tgt Ion: 84 Resp: 49904
Ion Ratio Lower Upper
84 100
49 121.9 88.3 132.5
51 42.1 28.2 42.2
86 62.3 50.6 76.0

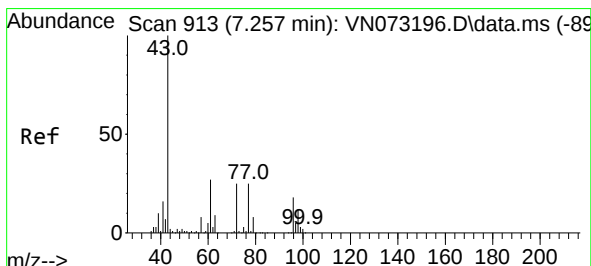
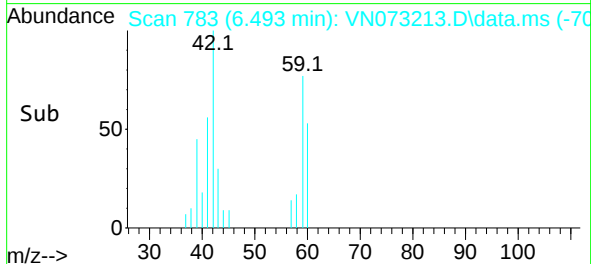
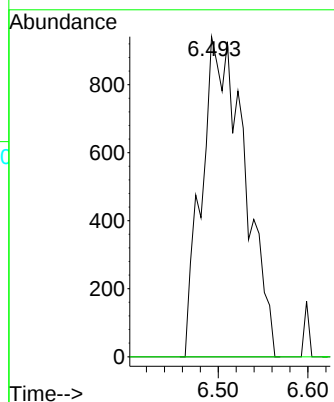
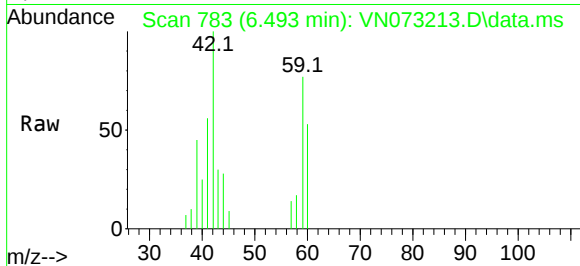




#23
 Vinyl Acetate
 Concen: 0.250 ug/l
 RT: 6.493 min Scan# 71
 Delta R.T. 0.142 min
 Lab File: VN073213.D
 Acq: 28 Jun 2022 21:51

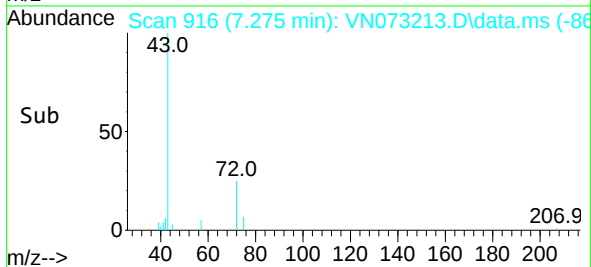
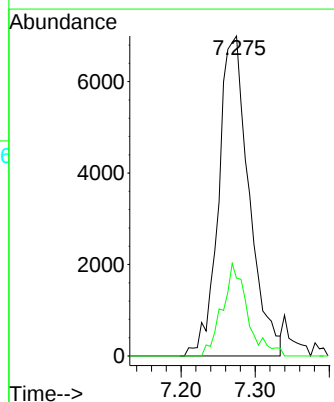
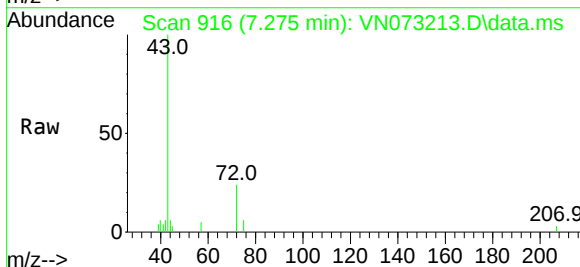
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-EXC-1-4-GRRE

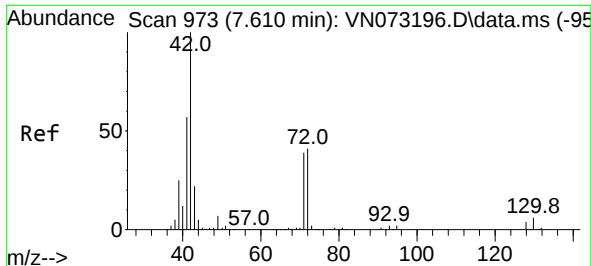
Tgt Ion: 43 Resp: 3125
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.0 15.0#



#25
 2-Butanone
 Concen: 5.136 ug/l
 RT: 7.275 min Scan# 916
 Delta R.T. 0.018 min
 Lab File: VN073213.D
 Acq: 28 Jun 2022 21:51

Tgt Ion: 43 Resp: 19953
 Ion Ratio Lower Upper
 43 100
 72 24.3 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.569 ug/l

RT: 7.628 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN073213.D

Acq: 28 Jun 2022 21:51

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-1-4-GRRE

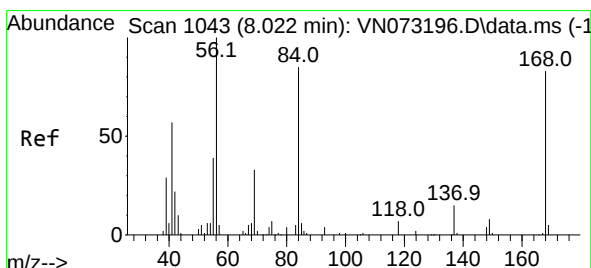
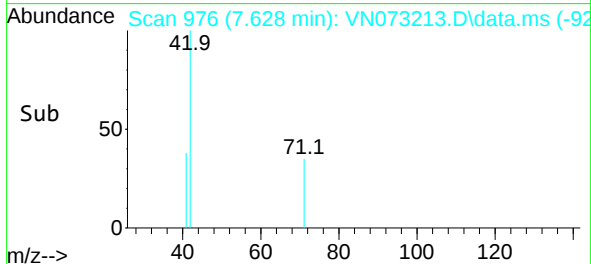
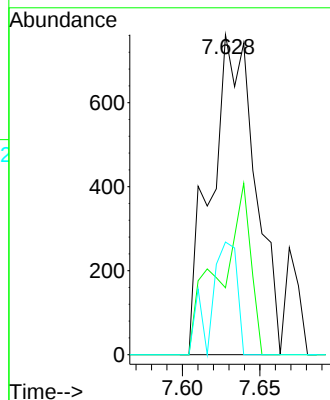
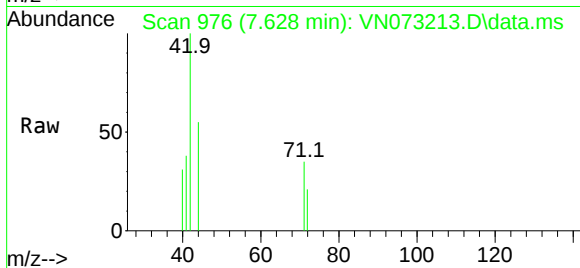
Tgt Ion: 42 Resp: 1513

Ion Ratio Lower Upper

42 100

72 37.3 39.7 59.5#

71 20.8 36.6 55.0#



#31

Cyclohexane

Concen: 0.983 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN073213.D

Acq: 28 Jun 2022 21:51

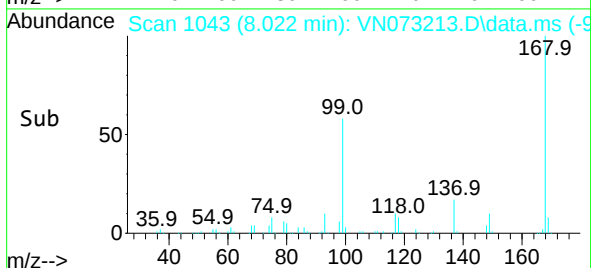
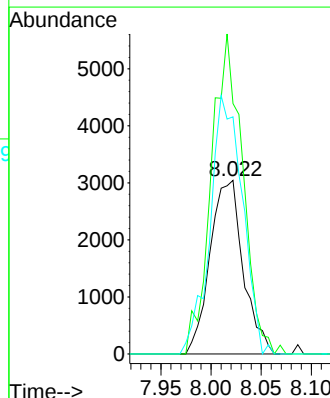
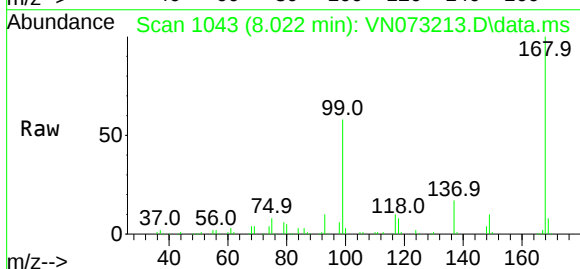
Tgt Ion: 56 Resp: 6998

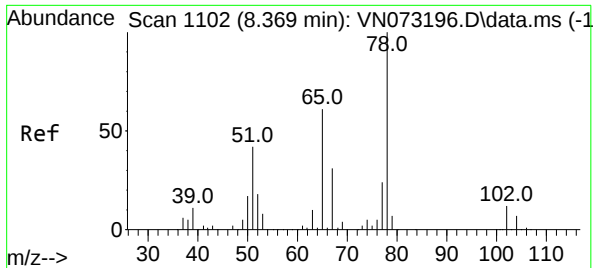
Ion Ratio Lower Upper

56 100

69 144.3 27.8 41.8#

84 136.6 76.9 115.3#

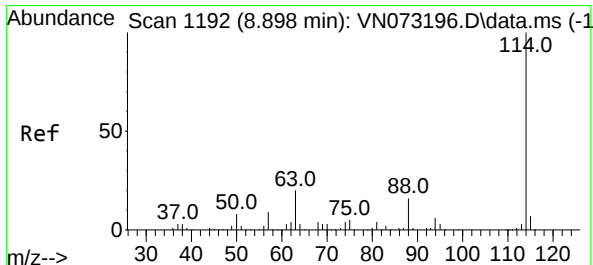
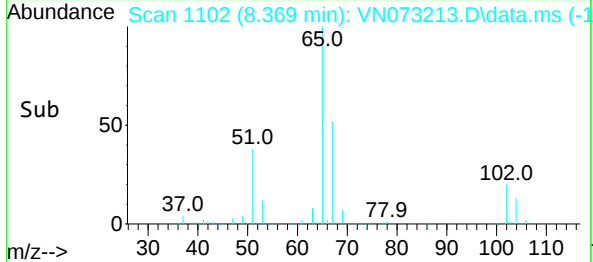
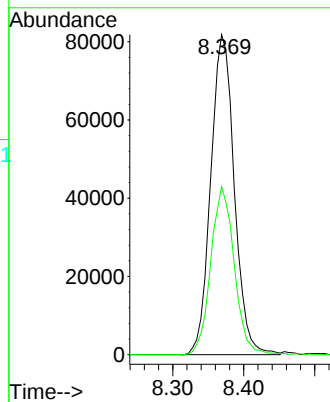
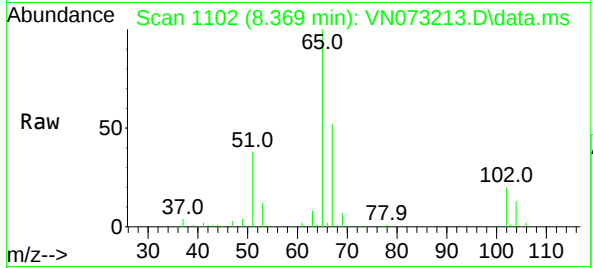




#33
1,2-Dichloroethane-d4
Concen: 43.296 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073213.D
Acq: 28 Jun 2022 21:51

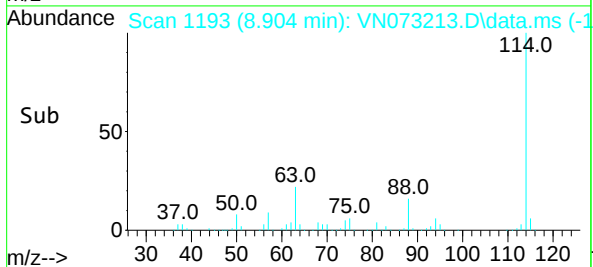
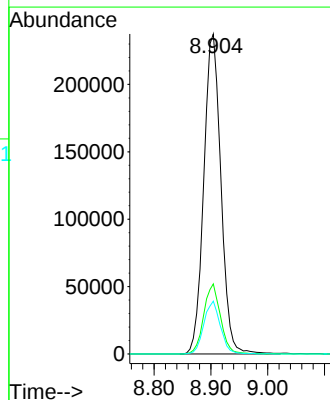
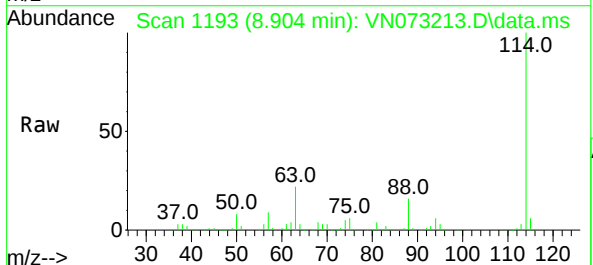
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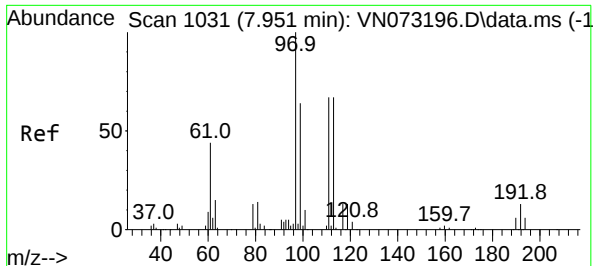
Tgt Ion: 65 Resp: 188226
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.006 min
Lab File: VN073213.D
Acq: 28 Jun 2022 21:51

Tgt Ion: 114 Resp: 497347
Ion Ratio Lower Upper
114 100
63 21.9 0.0 40.0
88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 31.014 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073213.D

Acq: 28 Jun 2022 21:51

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-1-4-GRRE

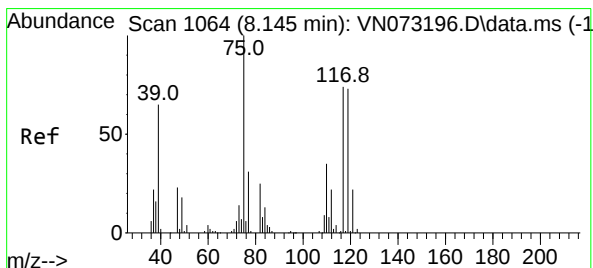
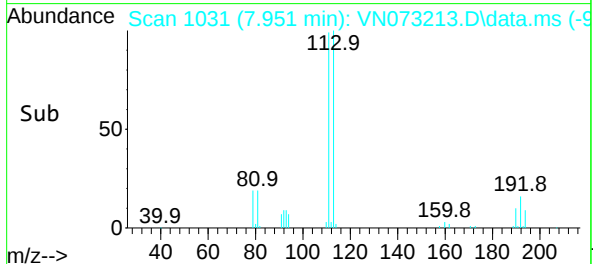
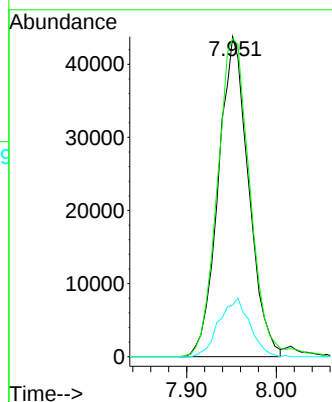
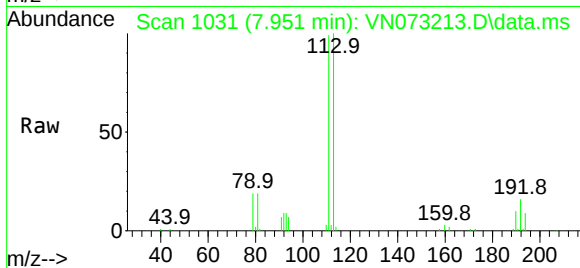
Tgt Ion:113 Resp: 102623

Ion Ratio Lower Upper

113 100

111 107.2 81.4 122.0

192 18.6 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.042 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073213.D

Acq: 28 Jun 2022 21:51

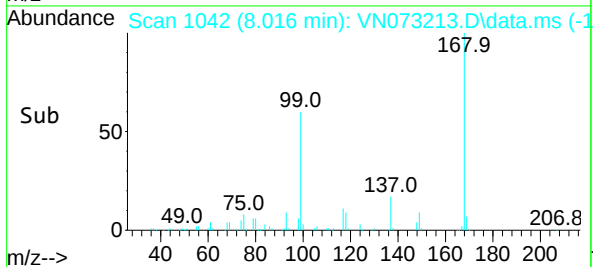
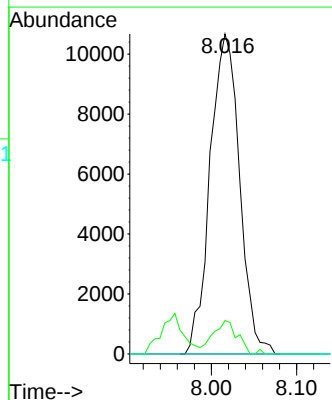
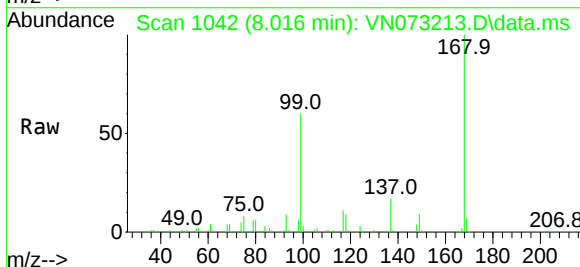
Tgt Ion: 75 Resp: 25670

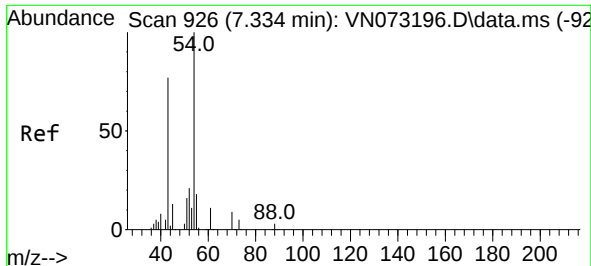
Ion Ratio Lower Upper

75 100

110 8.5 18.3 54.8#

77 0.0 25.1 37.7#

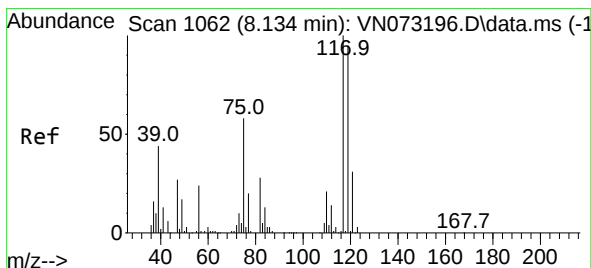
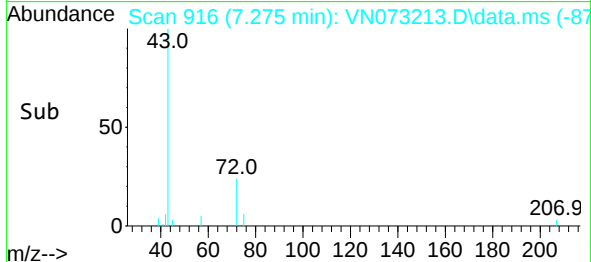
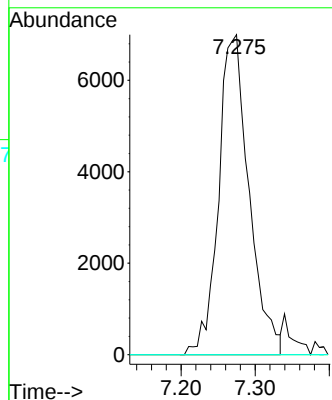
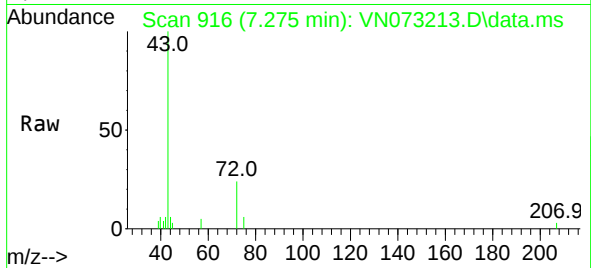




#37
Ethyl Acetate
Concen: 2.594 ug/l
RT: 7.275 min Scan# 916
Delta R.T. -0.059 min
Lab File: VN073213.D
Acq: 28 Jun 2022 21:51

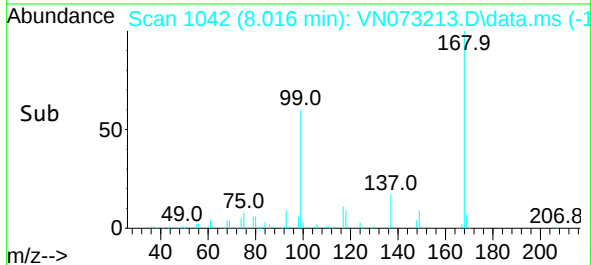
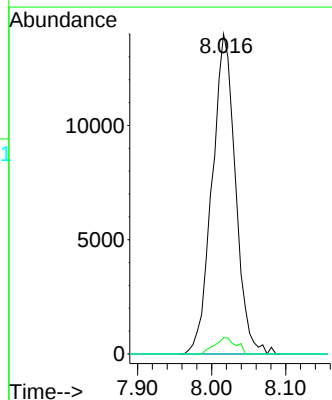
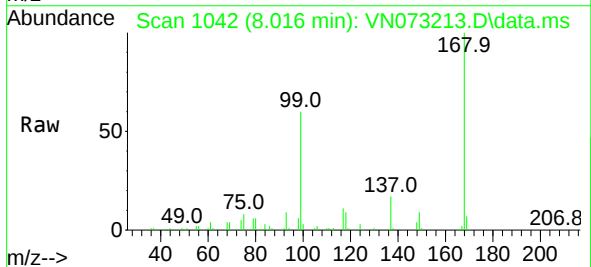
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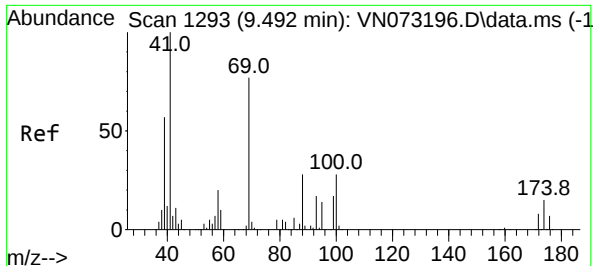
Tgt Ion: 43 Resp: 19953
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 5.828 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073213.D
Acq: 28 Jun 2022 21:51

Tgt Ion: 117 Resp: 30685
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.8#
121 0.0 24.6 37.0#

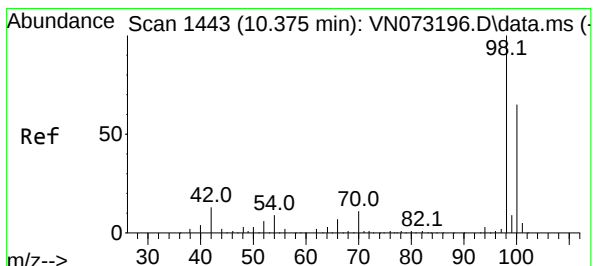
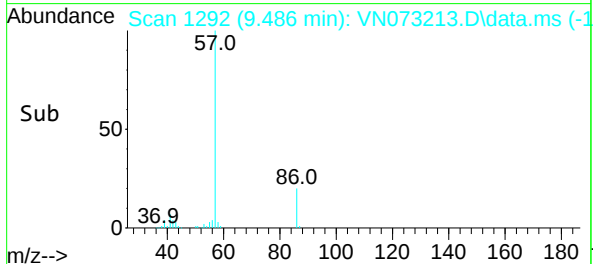
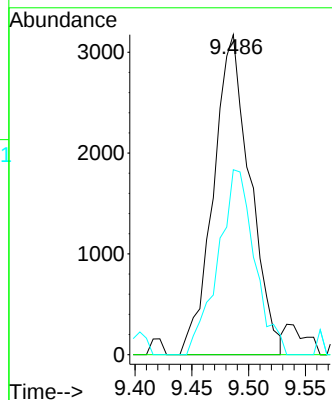
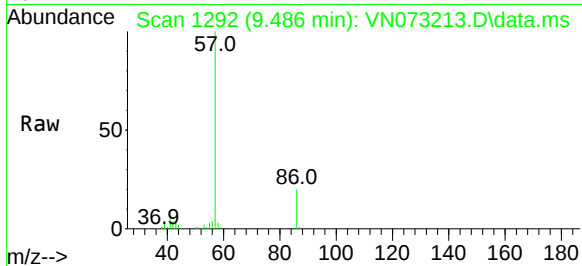




#48
Methyl methacrylate
Concen: 1.393 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.006 min
Lab File: VN073213.D
Acq: 28 Jun 2022 21:51

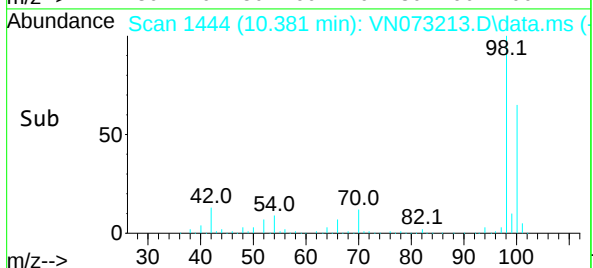
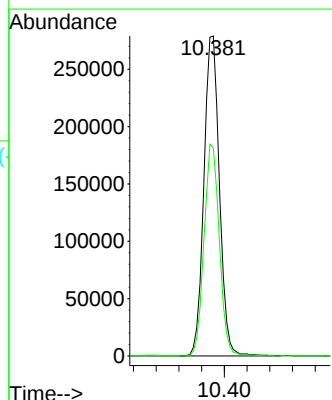
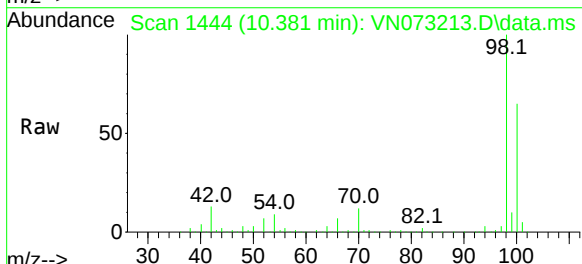
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-4-GRRE

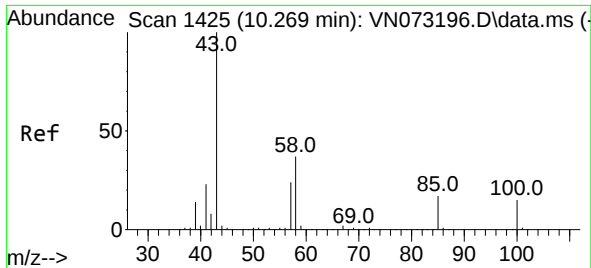
Tgt Ion: 41 Resp: 7132
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 57.6 45.6 68.4



#50
Toluene-d8
Concen: 44.919 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN073213.D
Acq: 28 Jun 2022 21:51

Tgt Ion: 98 Resp: 527891
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8

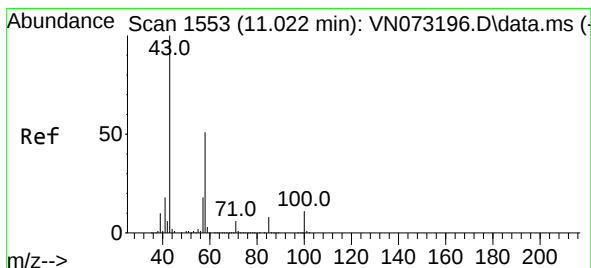
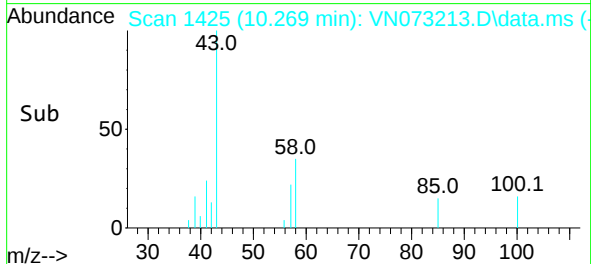
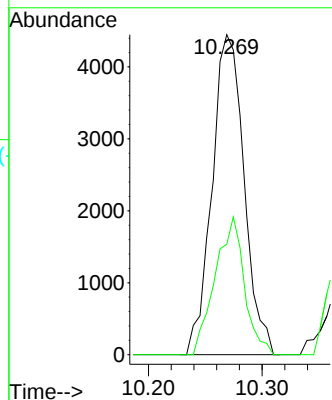
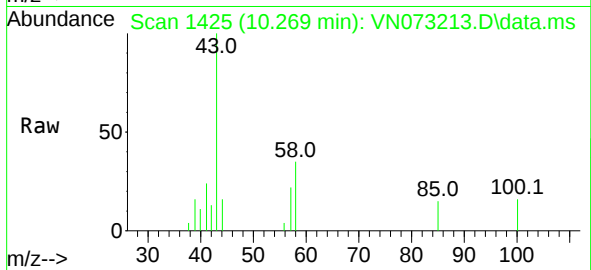




#51
4-Methyl-2-Pentanone
Concen: 1.244 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VN073213.D
Acq: 28 Jun 2022 21:51

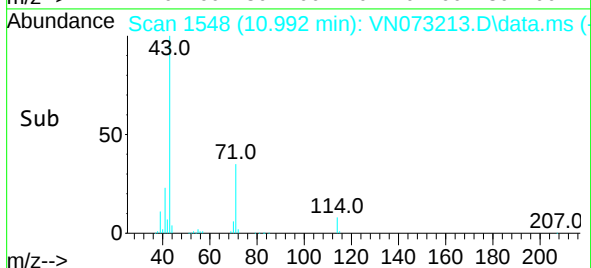
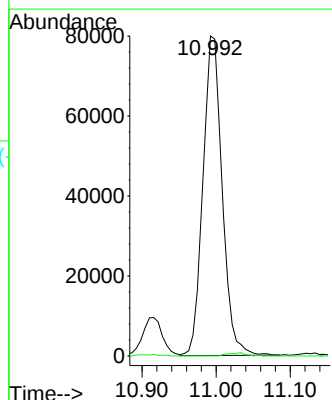
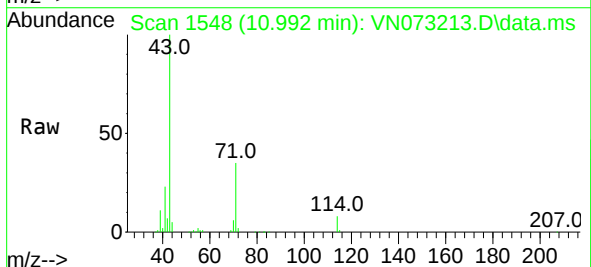
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-4-GRRE

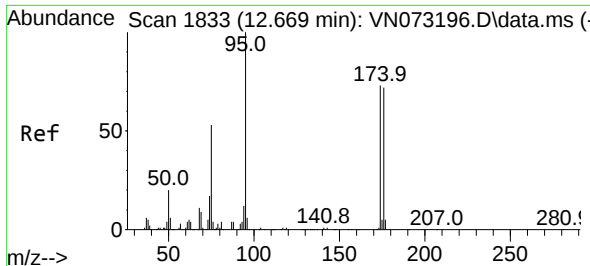
Tgt Ion: 43 Resp: 8723
Ion Ratio Lower Upper
43 100
58 39.2 34.1 51.1



#59
2-Hexanone
Concen: 26.991 ug/l
RT: 10.992 min Scan# 1548
Delta R.T. -0.030 min
Lab File: VN073213.D
Acq: 28 Jun 2022 21:51

Tgt Ion: 43 Resp: 144257
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#

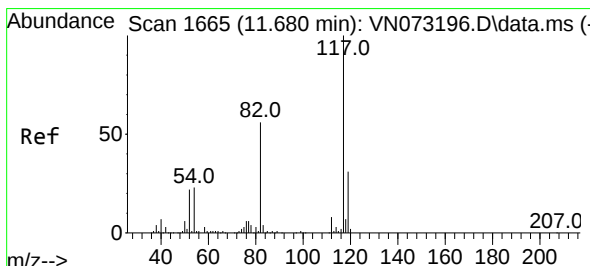
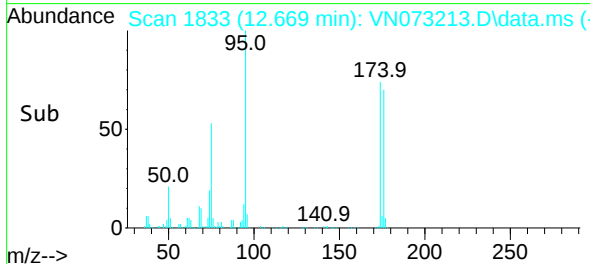
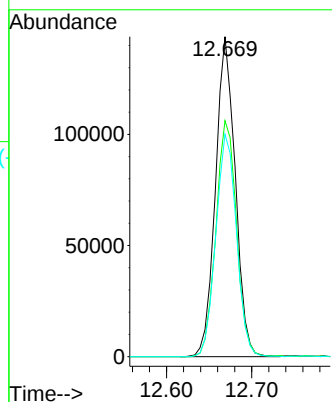
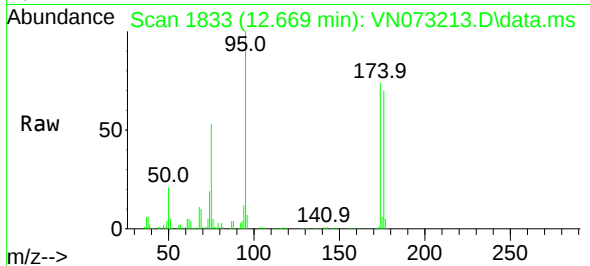




#62
4-Bromofluorobenzene
Concen: 51.330 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073213.D
Acq: 28 Jun 2022 21:51

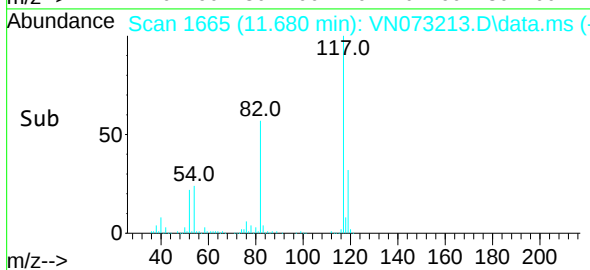
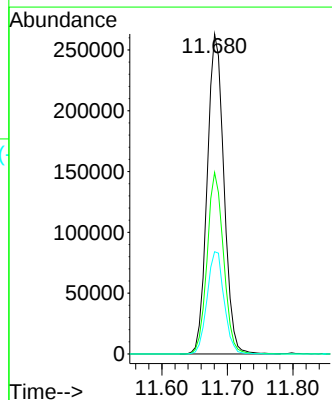
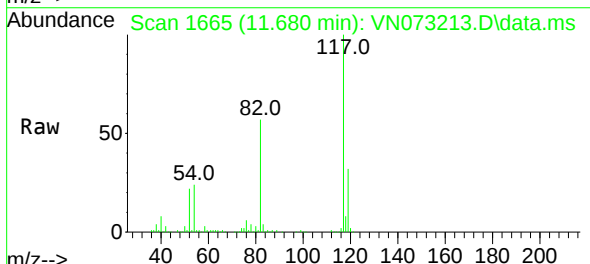
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-4-GRRE

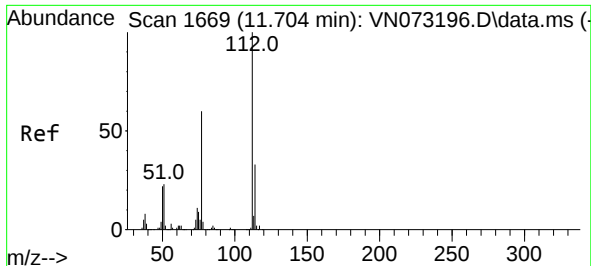
Tgt Ion: 95 Resp: 231823
Ion Ratio Lower Upper
95 100
174 77.1 0.0 167.6
176 72.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073213.D
Acq: 28 Jun 2022 21:51

Tgt Ion: 117 Resp: 466184
Ion Ratio Lower Upper
117 100
82 56.7 44.2 66.2
119 32.0 25.4 38.0

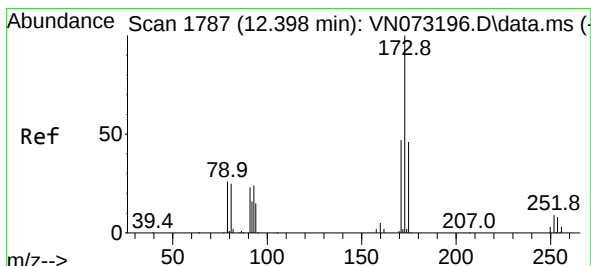
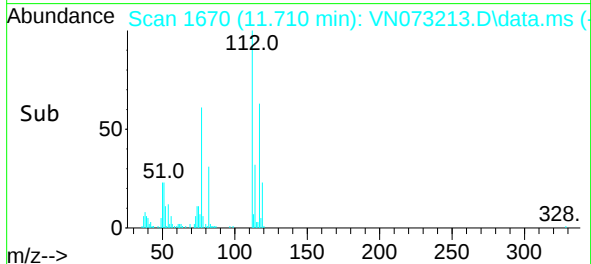
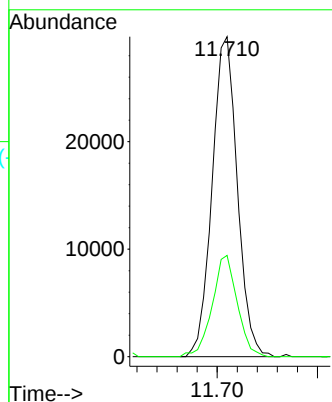
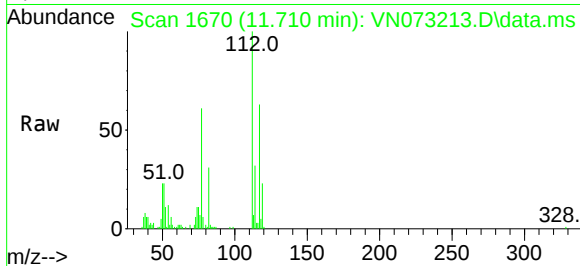




#65
Chlorobenzene
Concen: 4.913 ug/l
RT: 11.710 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073213.D
Acq: 28 Jun 2022 21:51

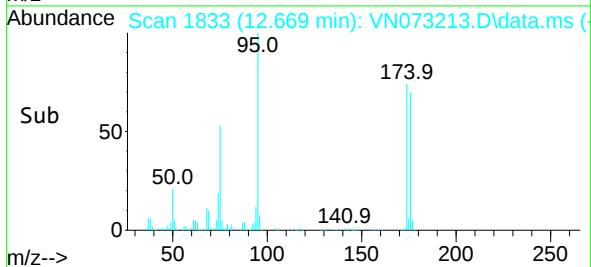
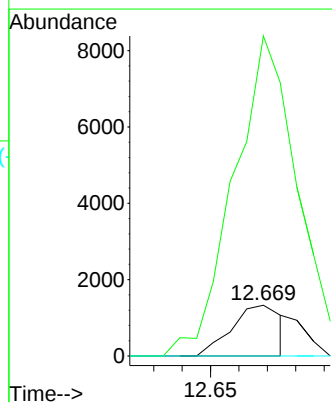
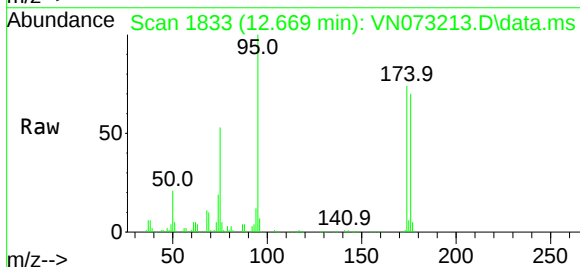
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-4-GRRE

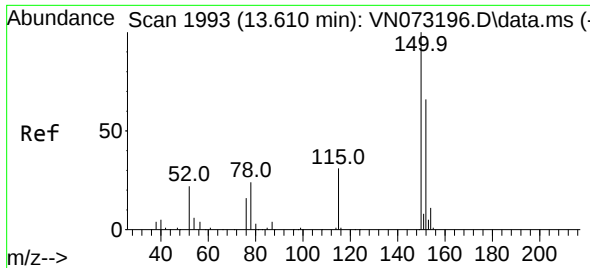
Tgt Ion:112 Resp: 51796
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.2



#71
Bromoform
Concen: 0.573 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073213.D
Acq: 28 Jun 2022 21:51

Tgt Ion:173 Resp: 1626
Ion Ratio Lower Upper
173 100
175 621.6 24.6 73.6#
254 0.0 0.1 0.1#

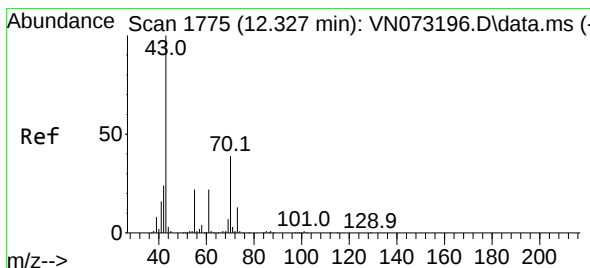
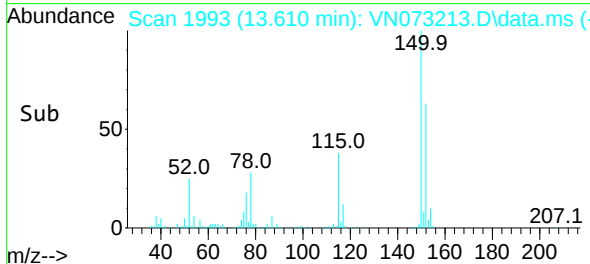
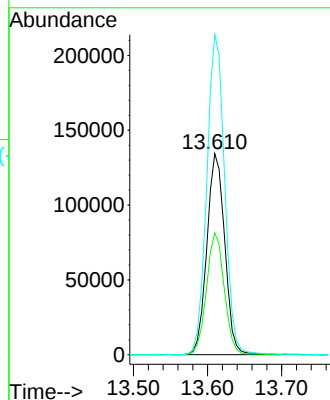
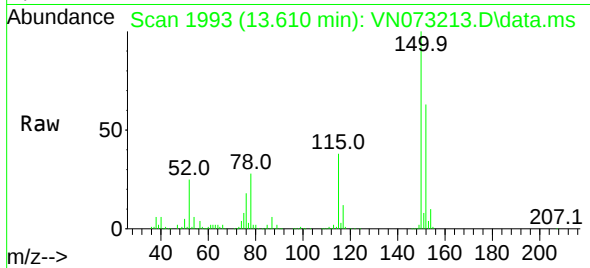




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073213.D
Acq: 28 Jun 2022 21:51

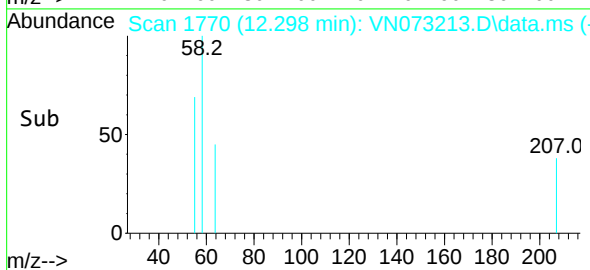
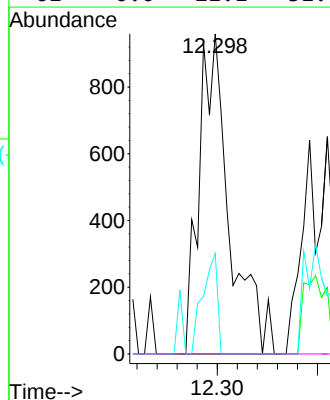
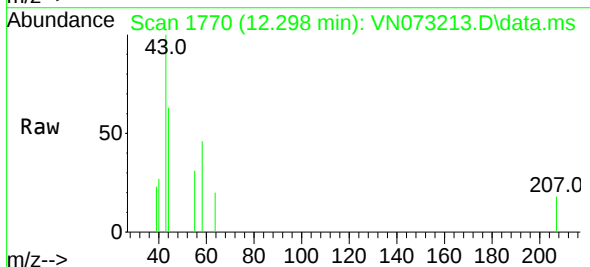
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-4-GRRE

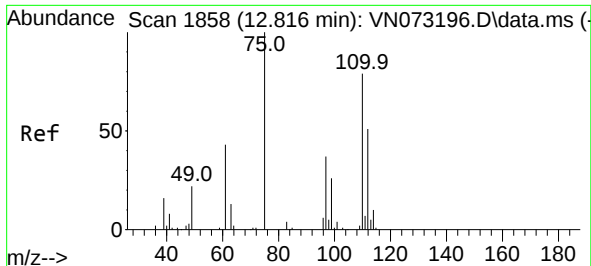
Tgt Ion:152 Resp: 225397
Ion Ratio Lower Upper
152 100
115 60.3 28.9 86.7
150 158.9 0.0 356.2



#74
N-ethyl acetate
Concen: 0.208 ug/l
RT: 12.298 min Scan# 1770
Delta R.T. -0.029 min
Lab File: VN073213.D
Acq: 28 Jun 2022 21:51

Tgt Ion: 43 Resp: 2029
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 15.2 21.1 31.7#
61 0.0 21.1 31.7#

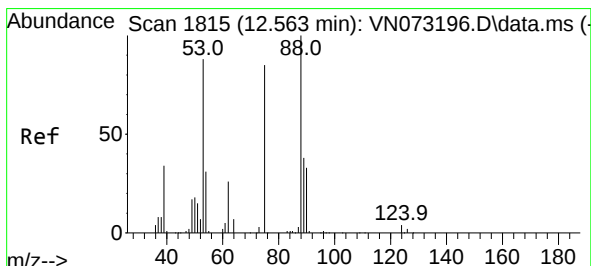
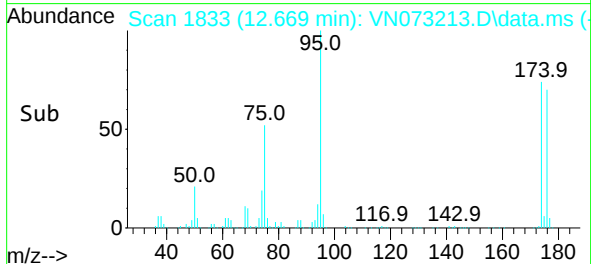
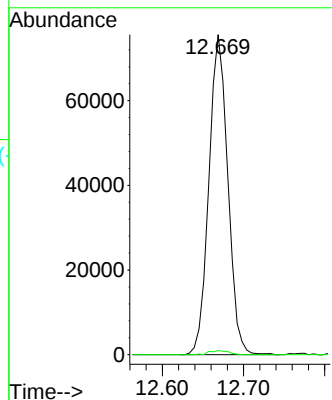
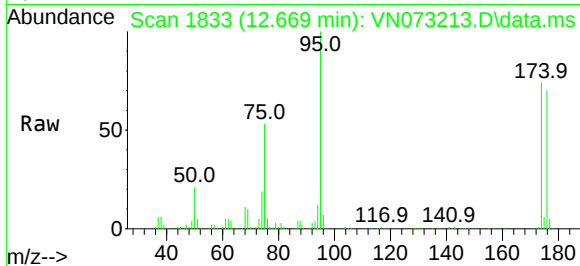




#76
1,2,3-Trichloropropane
Concen: 20.750 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073213.D
Acq: 28 Jun 2022 21:51

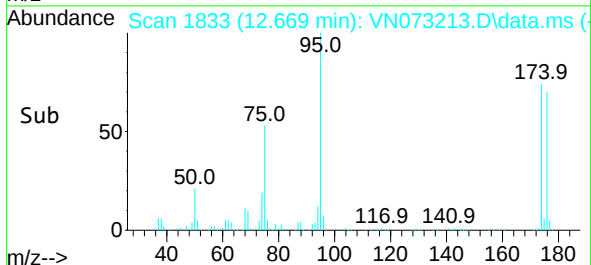
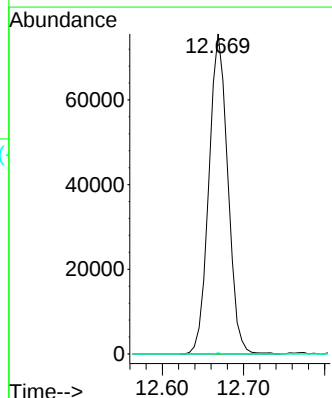
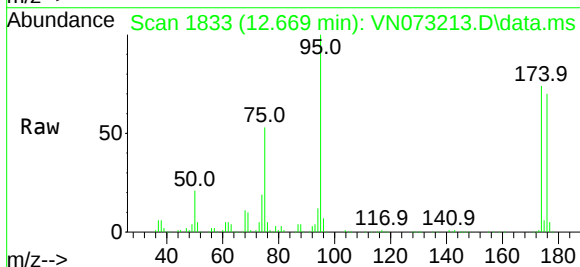
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-4-GRRE

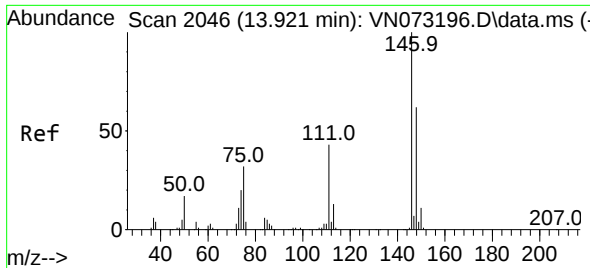
Tgt Ion: 75 Resp: 122295
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.907 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN073213.D
Acq: 28 Jun 2022 21:51

Tgt Ion: 75 Resp: 122295
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#





#91

1,2-Dichlorobenzene

Concen: 1.653 ug/l

RT: 13.927 min Scan# 2046

Delta R.T. 0.006 min

Lab File: VN073213.D

Acq: 28 Jun 2022 21:51

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-1-4-GRRE

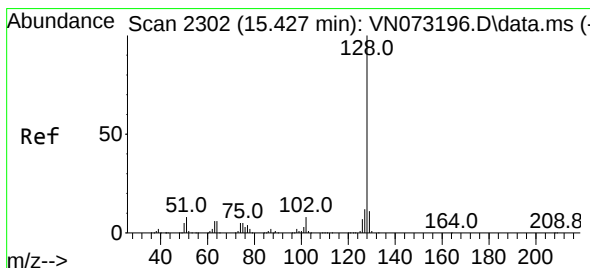
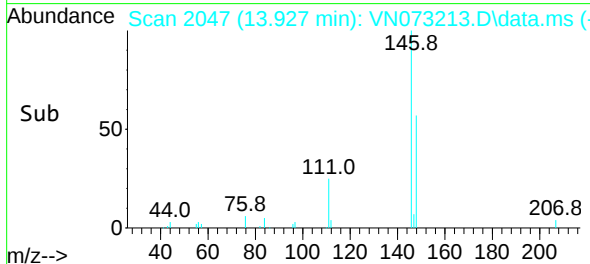
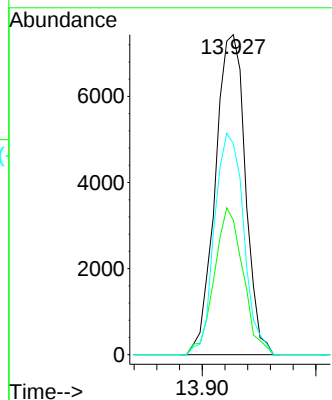
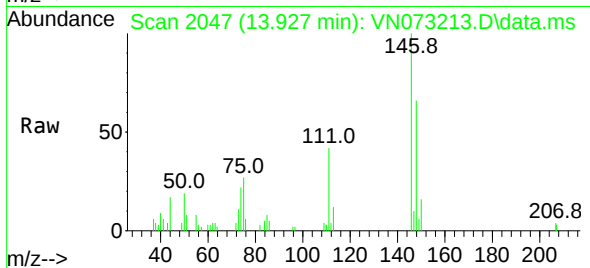
Tgt Ion:146 Resp: 13667

Ion Ratio Lower Upper

146 100

111 44.0 20.9 62.8

148 67.4 32.1 96.3



#95

Naphthalene

Concen: 0.539 ug/l

RT: 15.433 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VN073213.D

Acq: 28 Jun 2022 21:51

Tgt Ion:128 Resp: 9368

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 10.8 8.6 13.0

