

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062722\
 Data File : VN073172.D
 Acq On : 27 Jun 2022 19:18
 Operator : JC\MD
 Sample : N3494-05RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-EXC-3-GRRE

Quant Time: Jun 28 06:39:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

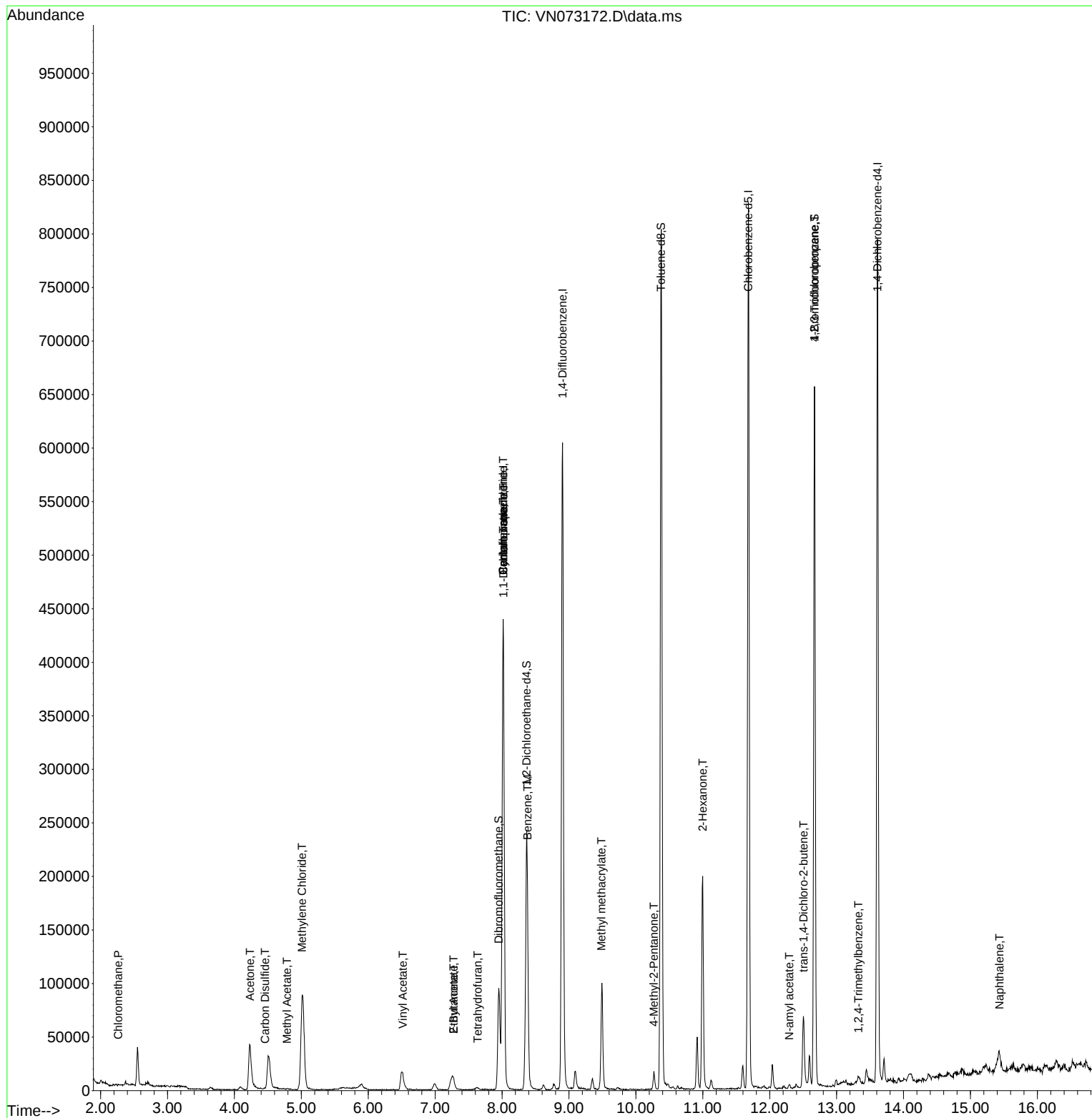
Internal Standards						
1) Pentafluorobenzene	8.016	168	334608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	536013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	473158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	209017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	195329	43.178	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.360%		
35) Dibromofluoromethane	7.951	113	71228	21.499	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	43.000%#		
50) Toluene-d8	10.374	98	554892	45.011	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.020%		
62) 4-Bromofluorobenzene	12.668	95	228615	51.572	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.140%		
Target Compounds					Qvalue	
3) Chloromethane	2.263	50	501	0.714	ug/l #	43
16) Acetone	4.234	43	79348	31.909	ug/l	93
17) Carbon Disulfide	4.457	76	1708	0.208	ug/l #	75
18) Methyl Acetate	4.787	43	1958	0.296	ug/l #	63
20) Methylene Chloride	5.010	84	75053	19.310	ug/l	94
23) Vinyl Acetate	6.516	43	2795	0.237	ug/l #	68
25) 2-Butanone	7.275	43	17935	4.545	ug/l	95
26) 2,2-Dichloropropane	7.228	77	406	Below Cal	#	53
29) Tetrahydrofuran	7.633	42	1795	0.689	ug/l #	53
31) Cyclohexane	8.016	56	7666	1.253	ug/l #	17
36) 1,1-Dichloropropene	8.022	75	27564	6.149	ug/l #	50
37) Ethyl Acetate	7.275	43	17935	2.501	ug/l #	67
38) Carbon Tetrachloride	8.016	117	34346	7.284	ug/l #	15
40) Benzene	8.380	78	3120	0.221	ug/l	99
48) Methyl methacrylate	9.486	41	8854	1.892	ug/l #	37
51) 4-Methyl-2-Pentanone	10.269	43	11606	1.736	ug/l	87
59) 2-Hexanone	10.998	43	166867	32.278	ug/l #	21
74) N-amyl acetate	12.292	43	3574	0.426	ug/l #	44
76) 1,2,3-Trichloropropane	12.668	75	119811	23.643	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.504	75	3934	2.097	ug/l #	28
84) 1,2,4-Trimethylbenzene	13.327	105	3493	0.264	ug/l #	48
95) Naphthalene	15.433	128	9428	0.584	ug/l #	91

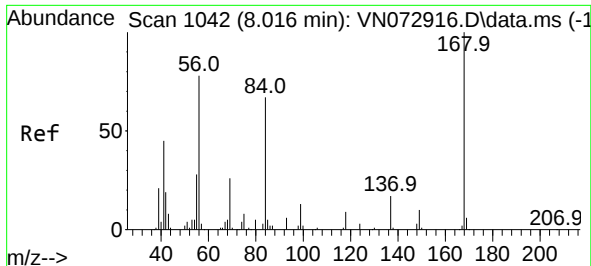
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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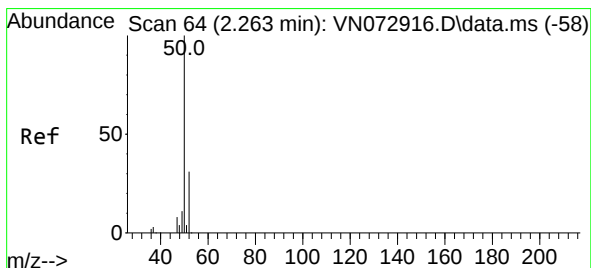
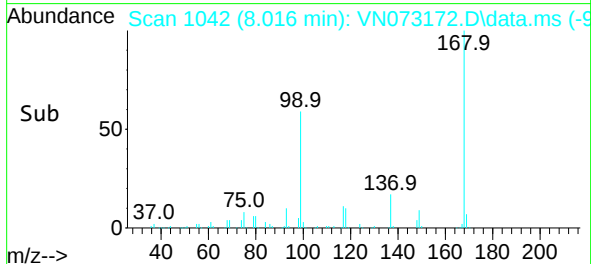
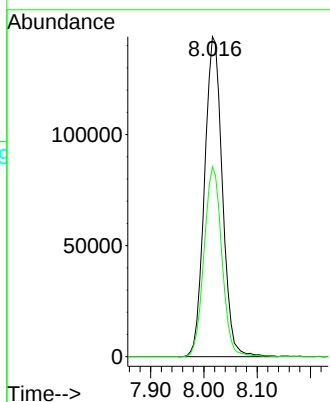
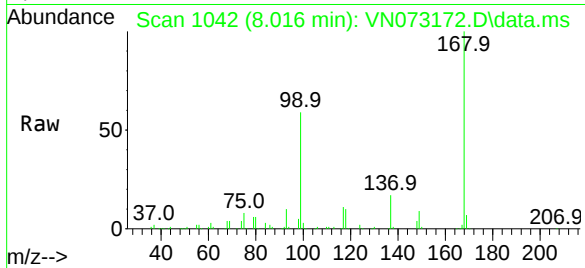




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073172.D
Acq: 27 Jun 2022 19:18

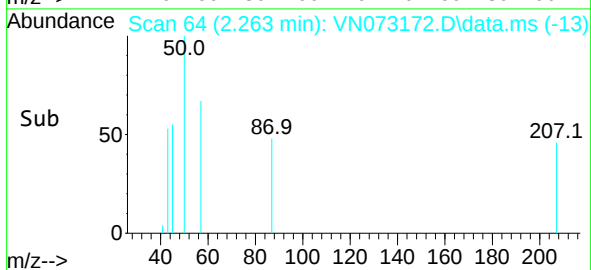
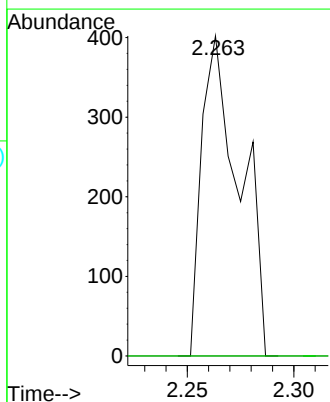
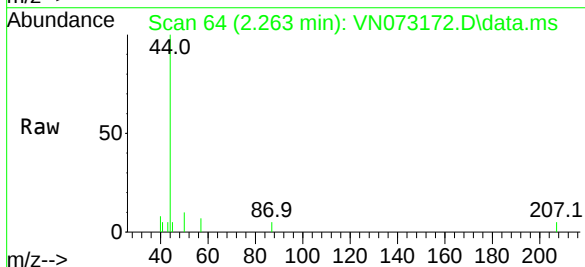
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3-GRRE

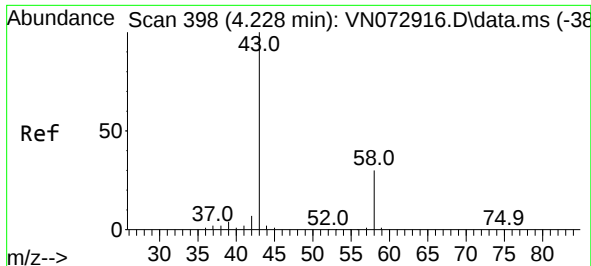
Tgt Ion:168 Resp: 334608
Ion Ratio Lower Upper
168 100
99 59.3 42.3 63.5



#3
Chloromethane
Concen: 0.714 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN073172.D
Acq: 27 Jun 2022 19:18

Tgt Ion: 50 Resp: 501
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5





#16

Acetone

Concen: 31.909 ug/l

RT: 4.234 min Scan# 398

Delta R.T. 0.006 min

Lab File: VN073172.D

Acq: 27 Jun 2022 19:18

Instrument :

MSVOA_N

ClientSampleId :

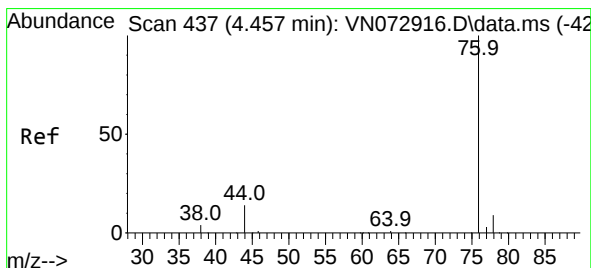
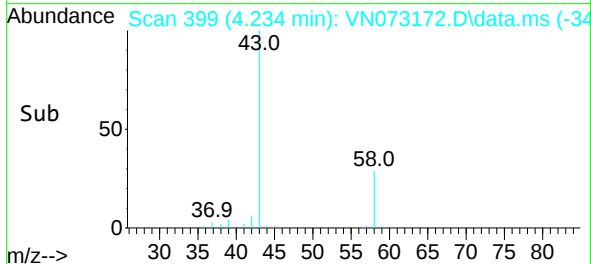
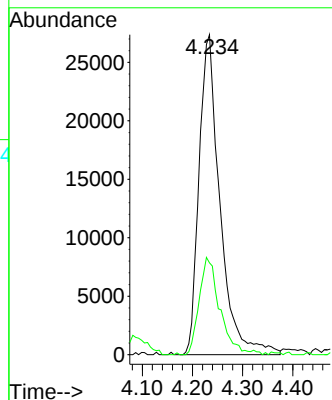
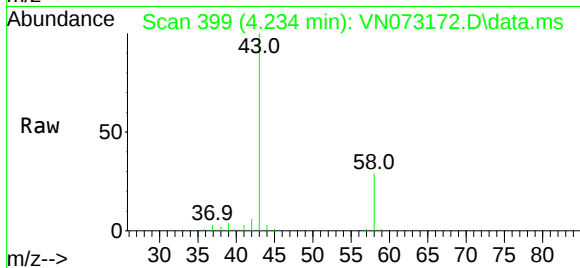
SP-EXC-3-GRRE

Tgt Ion: 43 Resp: 79348

Ion Ratio Lower Upper

43 100

58 28.7 26.0 39.0



#17

Carbon Disulfide

Concen: 0.208 ug/l

RT: 4.457 min Scan# 437

Delta R.T. 0.000 min

Lab File: VN073172.D

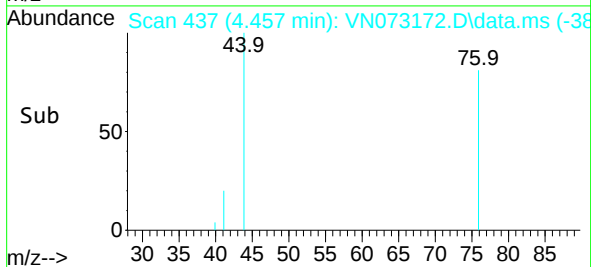
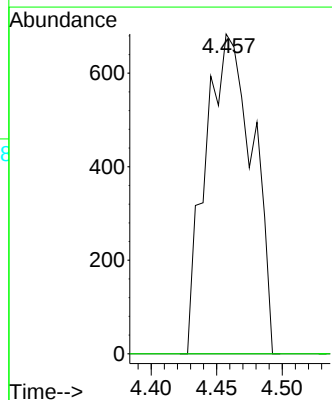
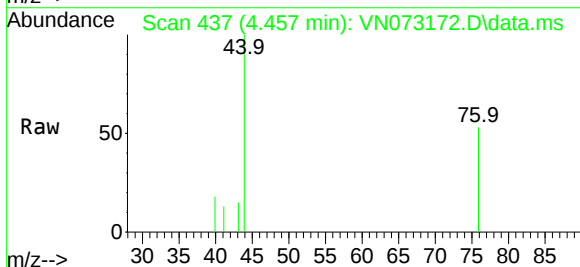
Acq: 27 Jun 2022 19:18

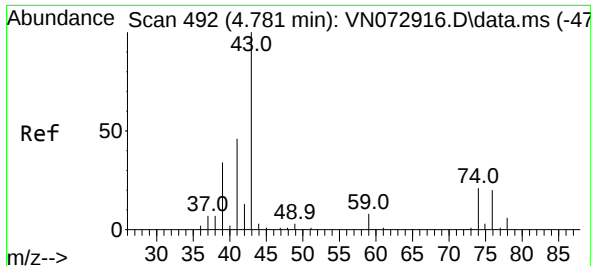
Tgt Ion: 76 Resp: 1708

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

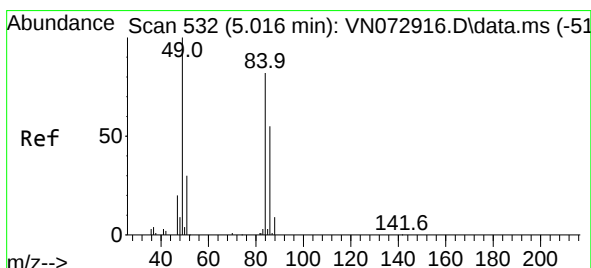
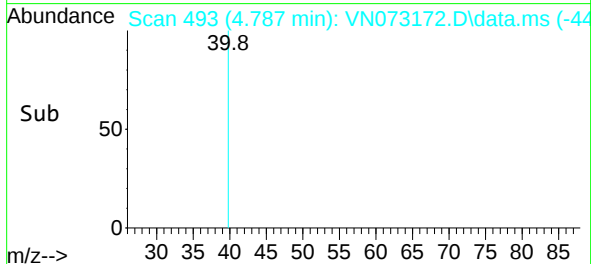
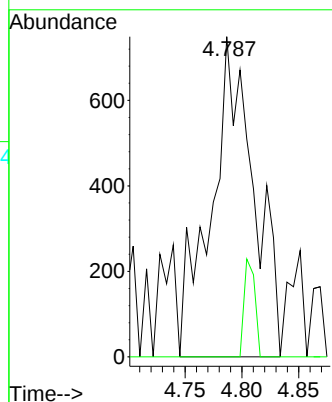
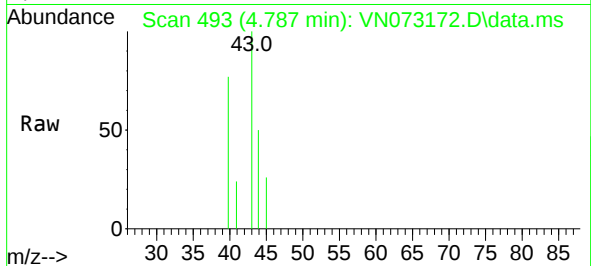




#18
Methyl Acetate
Concen: 0.296 ug/l
RT: 4.787 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN073172.D
Acq: 27 Jun 2022 19:18

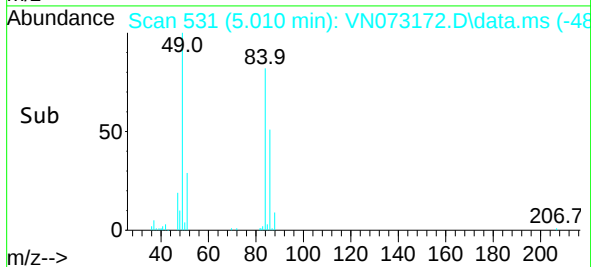
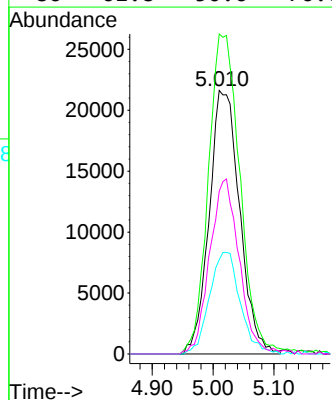
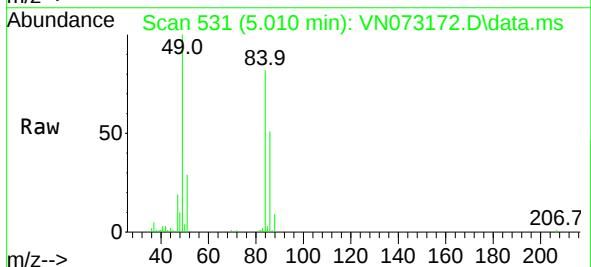
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3-GRRE

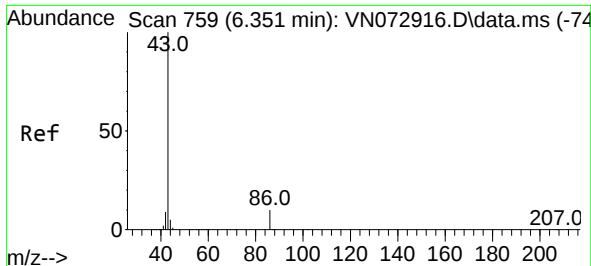
Tgt Ion: 43 Resp: 1958
Ion Ratio Lower Upper
43 100
74 7.6 21.6 32.4#



#20
Methylene Chloride
Concen: 19.310 ug/l
RT: 5.010 min Scan# 531
Delta R.T. -0.006 min
Lab File: VN073172.D
Acq: 27 Jun 2022 19:18

Tgt Ion: 84 Resp: 75053
Ion Ratio Lower Upper
84 100
49 121.5 88.3 132.5
51 35.8 28.2 42.2
86 61.8 50.6 76.0

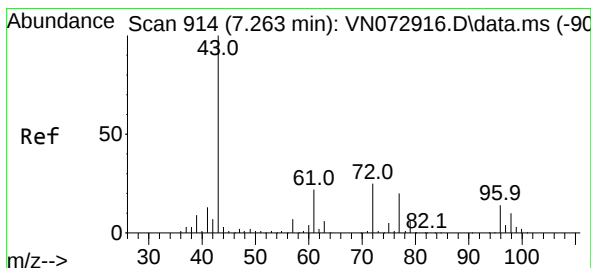
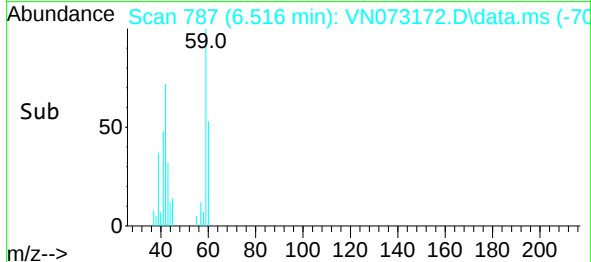
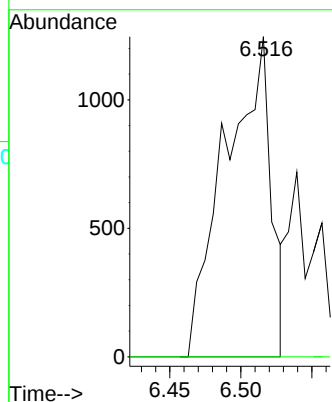
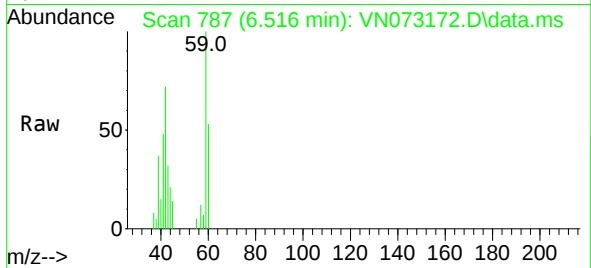




#23
 Vinyl Acetate
 Concen: 0.237 ug/l
 RT: 6.516 min Scan# 71
 Delta R.T. 0.165 min
 Lab File: VN073172.D
 Acq: 27 Jun 2022 19:18

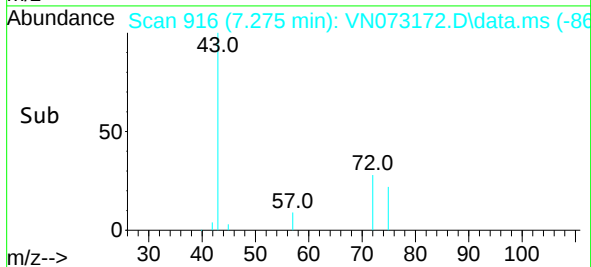
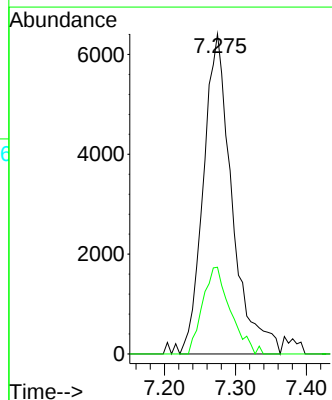
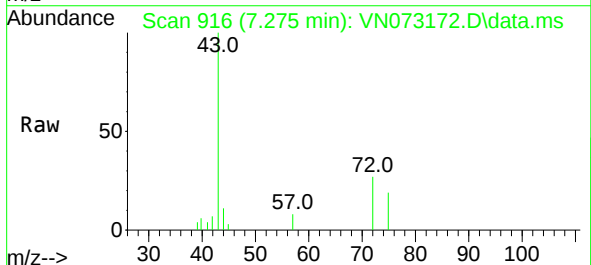
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-EXC-3-GRRE

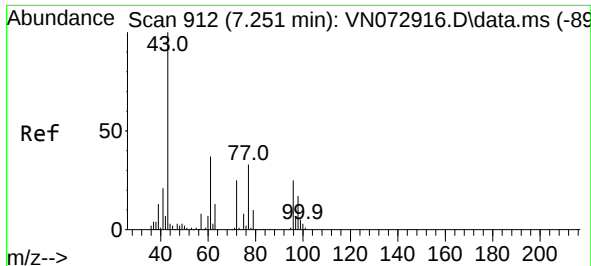
Tgt Ion: 43 Resp: 2795
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.0 15.0#



#25
 2-Butanone
 Concen: 4.545 ug/l
 RT: 7.275 min Scan# 916
 Delta R.T. 0.012 min
 Lab File: VN073172.D
 Acq: 27 Jun 2022 19:18

Tgt Ion: 43 Resp: 17935
 Ion Ratio Lower Upper
 43 100
 72 27.1 23.7 35.5

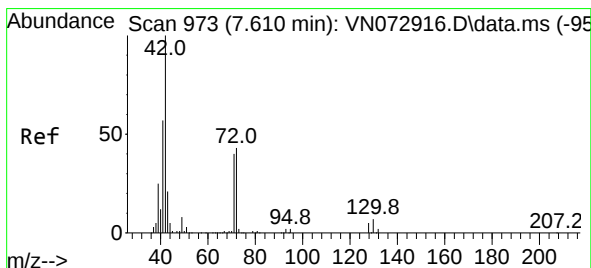
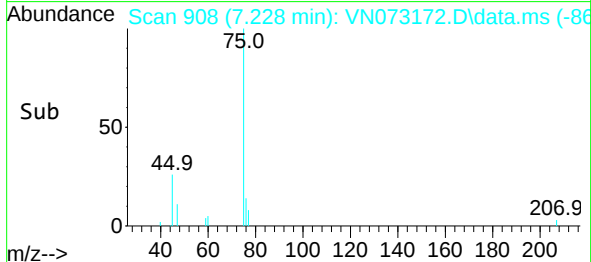
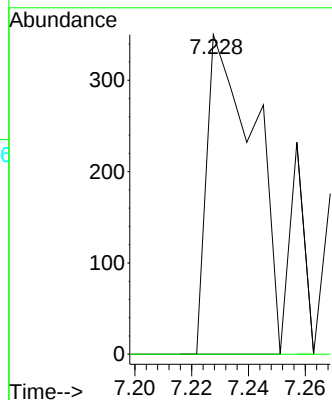
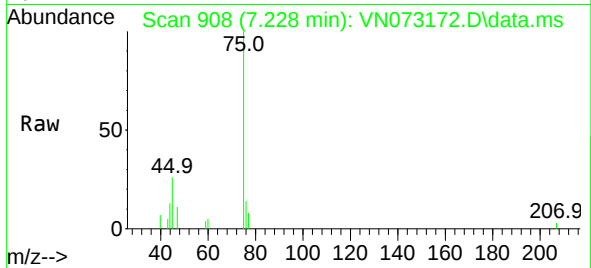




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.228 min Scan# 90
Delta R.T. -0.023 min
Lab File: VN073172.D
Acq: 27 Jun 2022 19:18

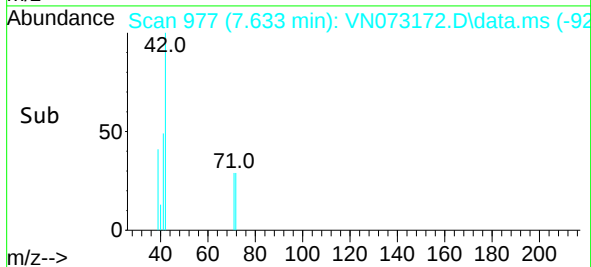
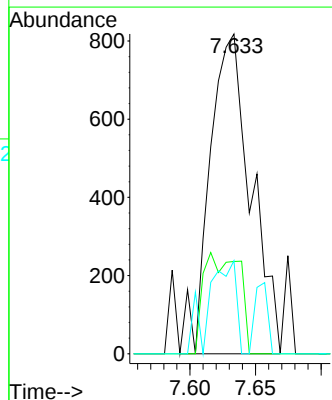
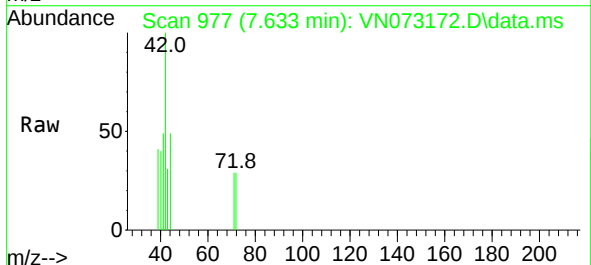
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ClientSampleId :
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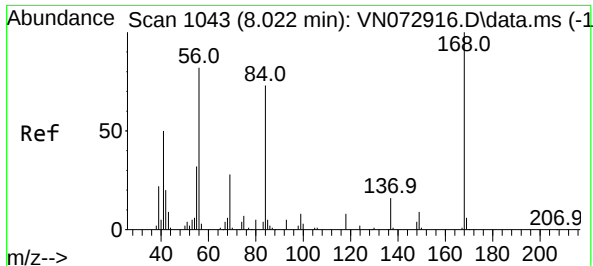
Tgt Ion: 77 Resp: 406
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 0.689 ug/l
RT: 7.633 min Scan# 977
Delta R.T. 0.024 min
Lab File: VN073172.D
Acq: 27 Jun 2022 19:18

Tgt Ion: 42 Resp: 1795
Ion Ratio Lower Upper
42 100
72 13.3 39.7 59.5#
71 19.4 36.6 55.0#

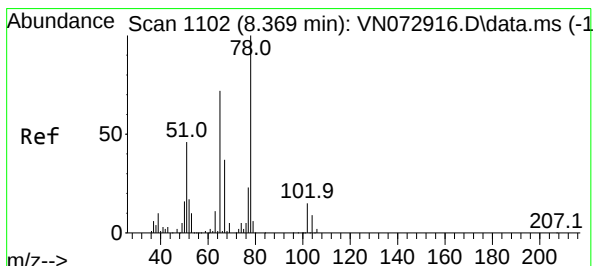
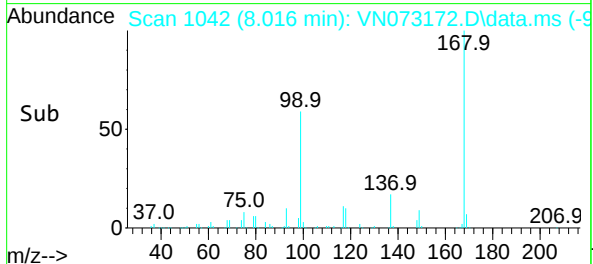
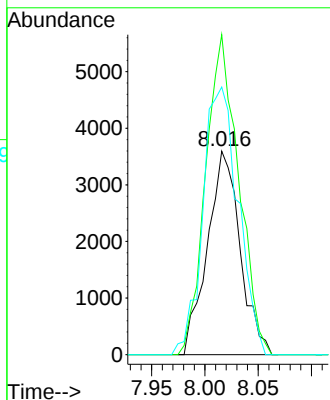
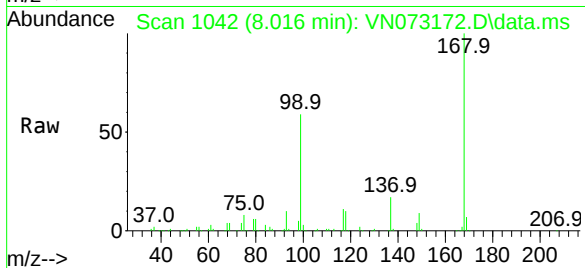




#31
Cyclohexane
Concen: 1.253 ug/l
RT: 8.016 min Scan# 1102
Delta R.T. -0.006 min
Lab File: VN073172.D
Acq: 27 Jun 2022 19:18

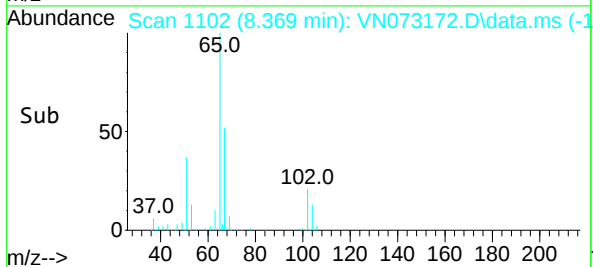
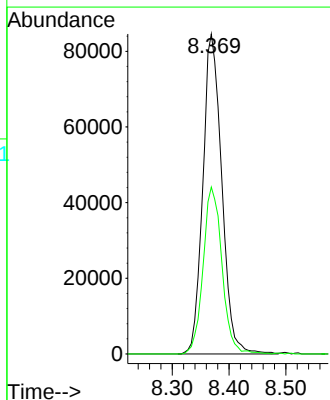
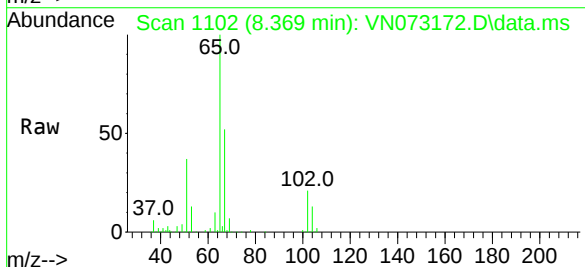
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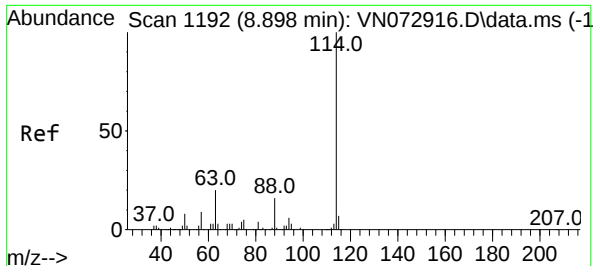
Tgt Ion: 56 Resp: 7666
Ion Ratio Lower Upper
56 100
69 157.3 27.8 41.8#
84 131.6 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 43.178 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073172.D
Acq: 27 Jun 2022 19:18

Tgt Ion: 65 Resp: 195329
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073172.D

Acq: 27 Jun 2022 19:18

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-3-GRRE

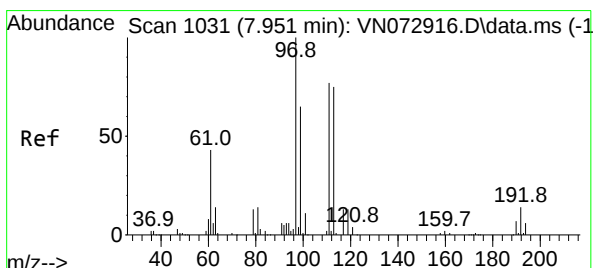
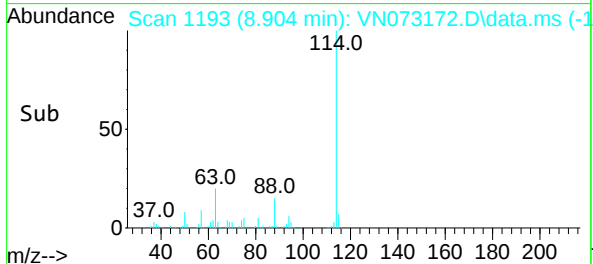
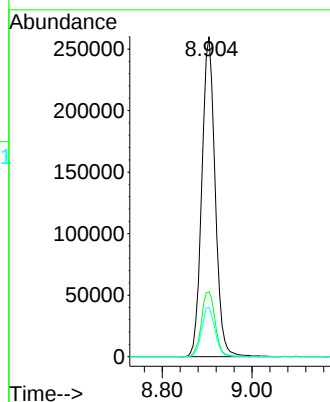
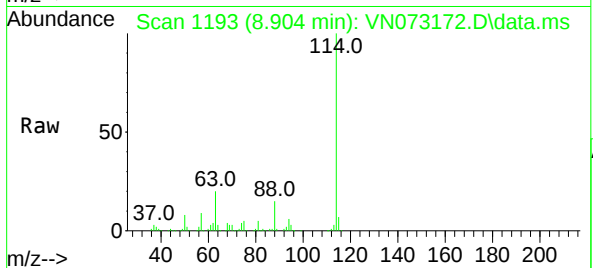
Tgt Ion:114 Resp: 536013

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 21.499 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073172.D

Acq: 27 Jun 2022 19:18

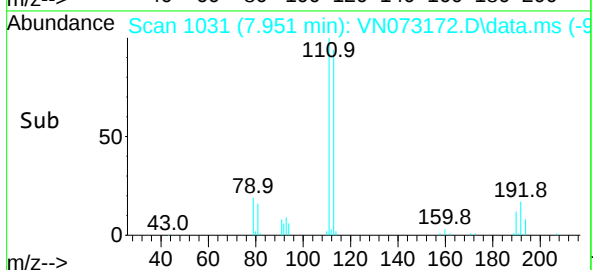
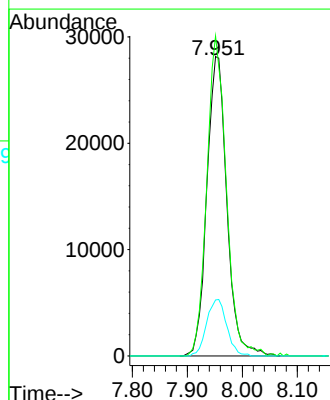
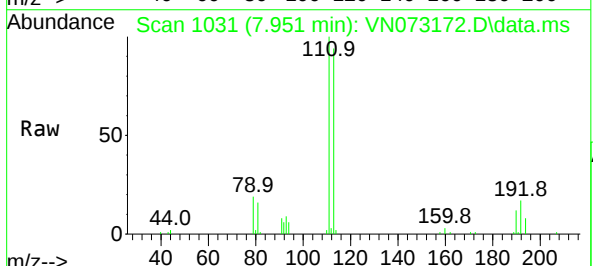
Tgt Ion:113 Resp: 71228

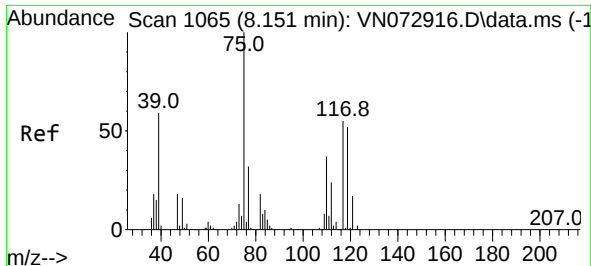
Ion Ratio Lower Upper

113 100

111 104.1 81.4 122.0

192 18.9 17.0 25.6

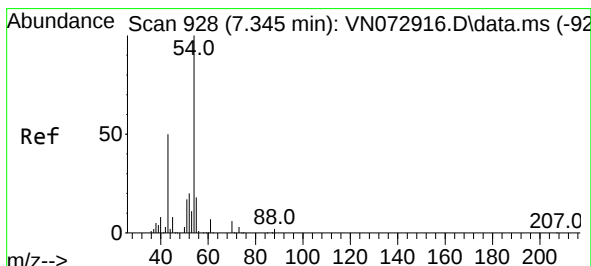
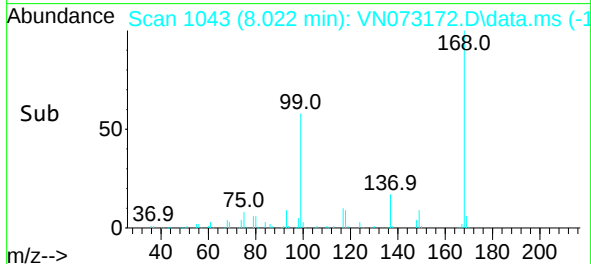
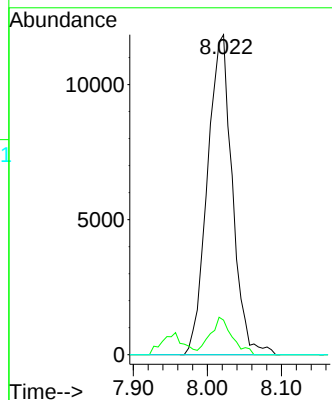
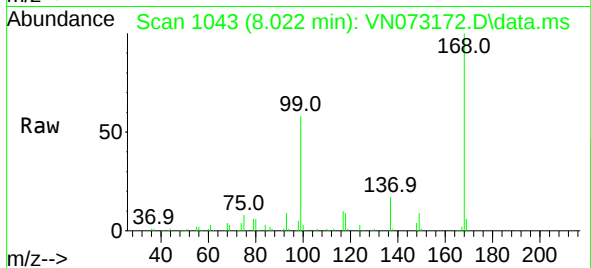




#36
1,1-Dichloropropene
Concen: 6.149 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.129 min
Lab File: VN073172.D
Acq: 27 Jun 2022 19:18

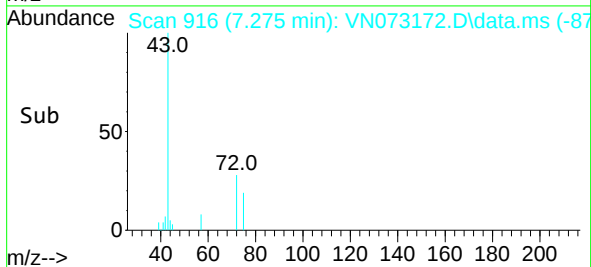
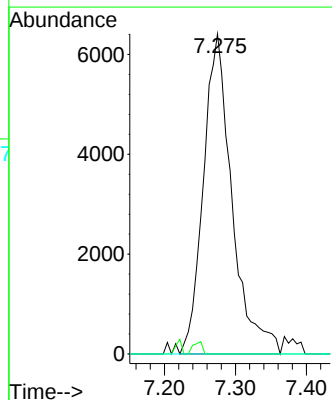
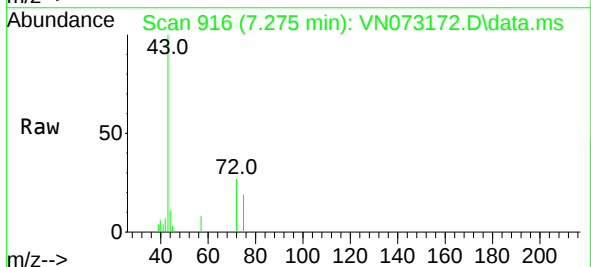
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3-GRRE

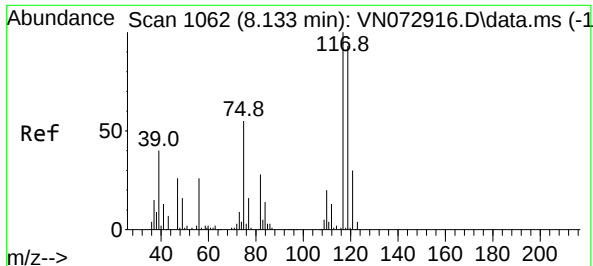
Tgt Ion: 75 Resp: 27564
Ion Ratio Lower Upper
75 100
110 10.2 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 2.501 ug/l
RT: 7.275 min Scan# 916
Delta R.T. -0.071 min
Lab File: VN073172.D
Acq: 27 Jun 2022 19:18

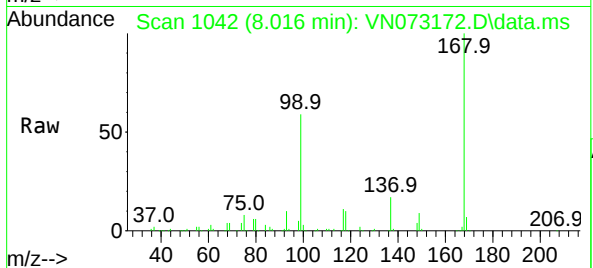
Tgt Ion: 43 Resp: 17935
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



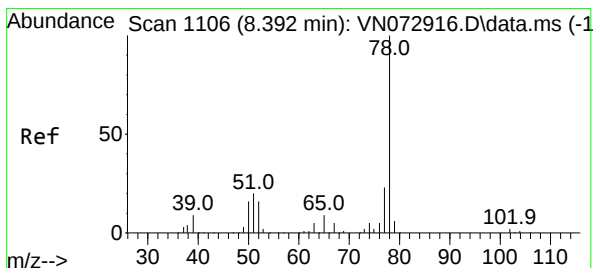
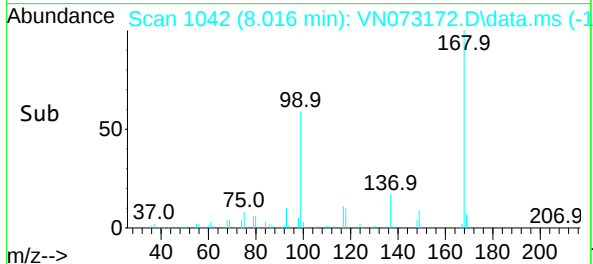
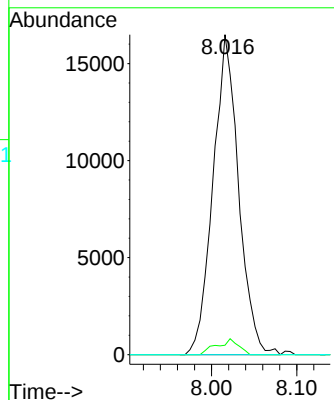


#38
Carbon Tetrachloride
Concen: 7.284 ug/l
RT: 8.016 min Scan# 1104
Delta R.T. -0.118 min
Lab File: VN073172.D
Acq: 27 Jun 2022 19:18

Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3-GRRE

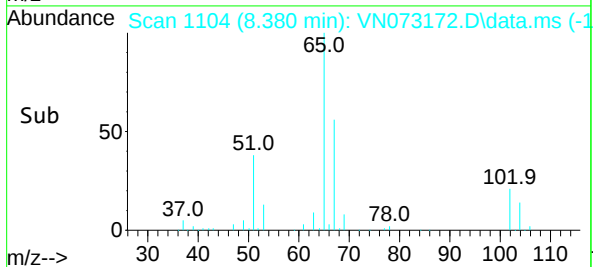
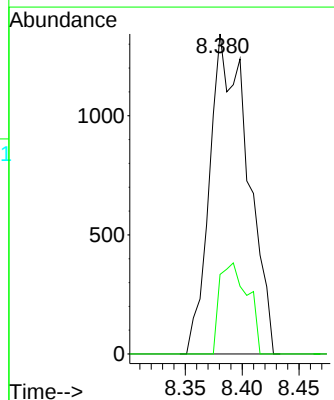
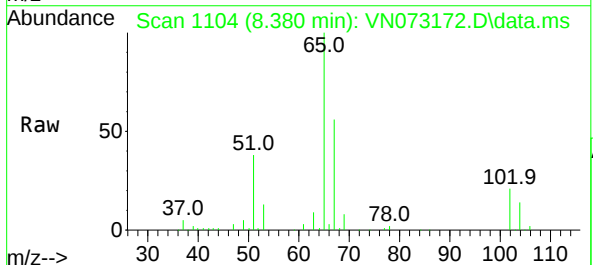


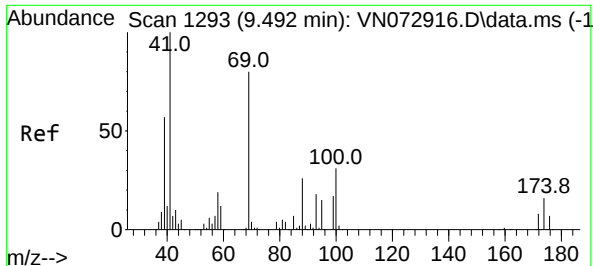
Tgt Ion:117 Resp: 34346
Ion Ratio Lower Upper
117 100
119 2.9 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.221 ug/l
RT: 8.380 min Scan# 1104
Delta R.T. -0.012 min
Lab File: VN073172.D
Acq: 27 Jun 2022 19:18

Tgt Ion: 78 Resp: 3120
Ion Ratio Lower Upper
78 100
77 24.9 19.4 29.0





#48

Methyl methacrylate

Concen: 1.892 ug/l

RT: 9.486 min Scan# 1292

Delta R.T. -0.006 min

Lab File: VN073172.D

Acq: 27 Jun 2022 19:18

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-3-GRRE

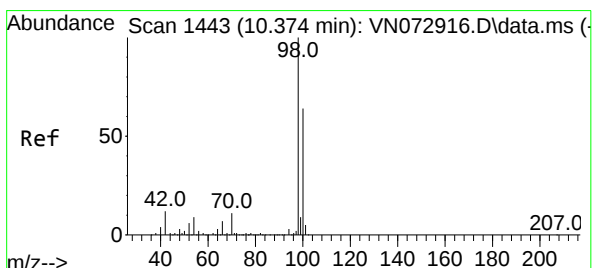
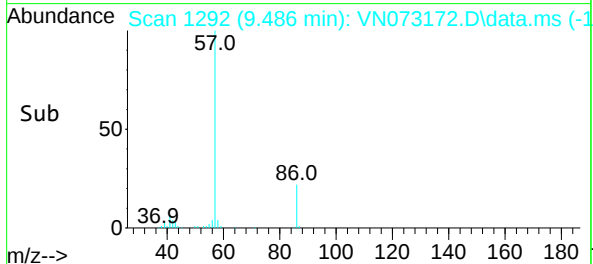
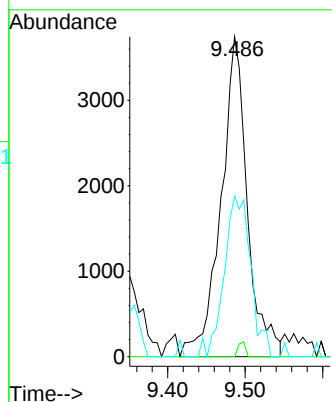
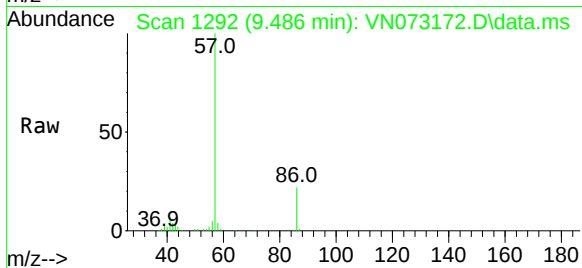
Tgt Ion: 41 Resp: 8854

Ion Ratio Lower Upper

41 100

69 1.3 74.7 112.1#

39 50.8 45.6 68.4



#50

Toluene-d8

Concen: 45.011 ug/l

RT: 10.374 min Scan# 1443

Delta R.T. 0.000 min

Lab File: VN073172.D

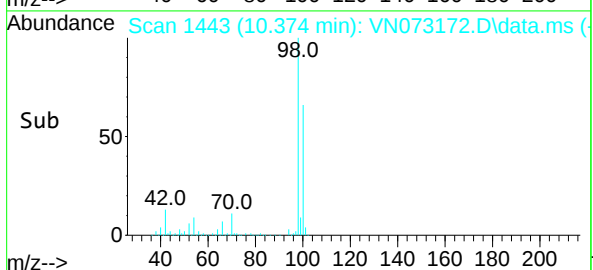
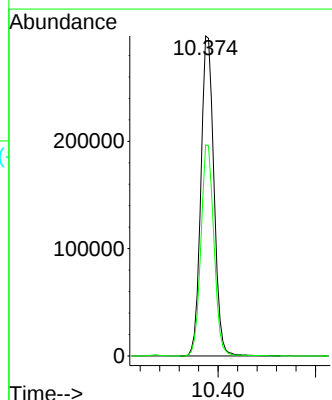
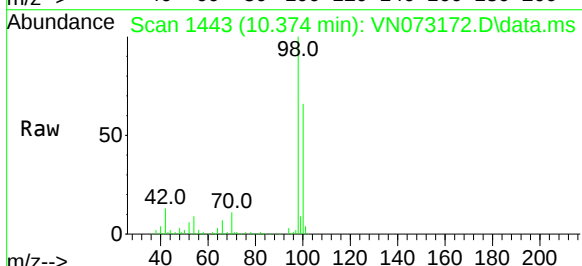
Acq: 27 Jun 2022 19:18

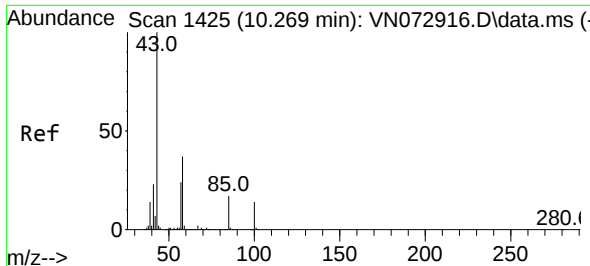
Tgt Ion: 98 Resp: 554892

Ion Ratio Lower Upper

98 100

100 66.2 52.6 78.8

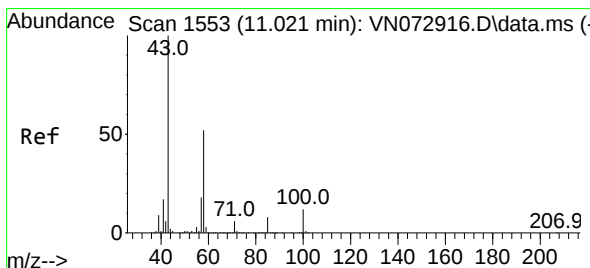
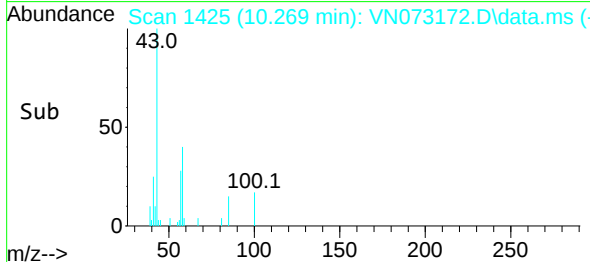
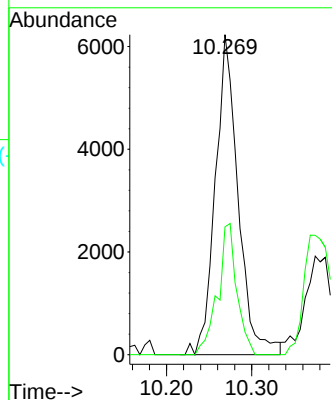
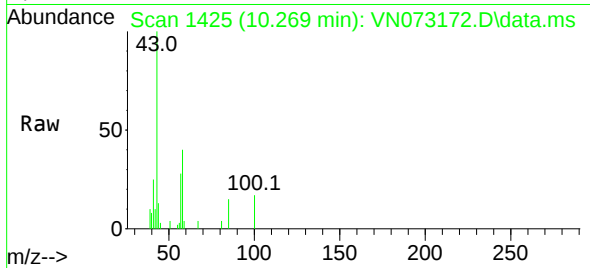




#51
4-Methyl-2-Pentanone
Concen: 1.736 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN073172.D
Acq: 27 Jun 2022 19:18

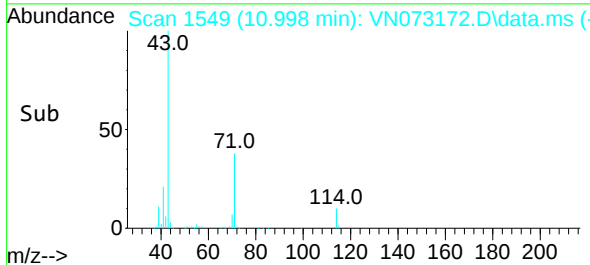
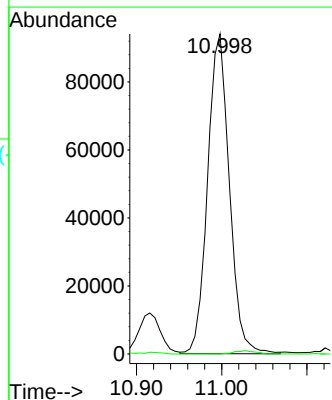
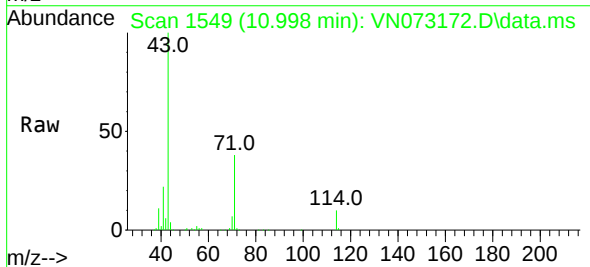
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3-GRRE

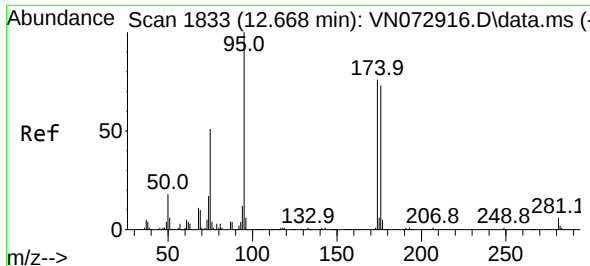
Tgt Ion: 43 Resp: 11606
Ion Ratio Lower Upper
43 100
58 34.1 34.1 51.1



#59
2-Hexanone
Concen: 32.278 ug/l
RT: 10.998 min Scan# 1549
Delta R.T. -0.024 min
Lab File: VN073172.D
Acq: 27 Jun 2022 19:18

Tgt Ion: 43 Resp: 166867
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#

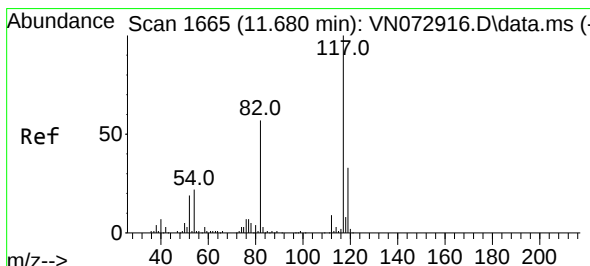
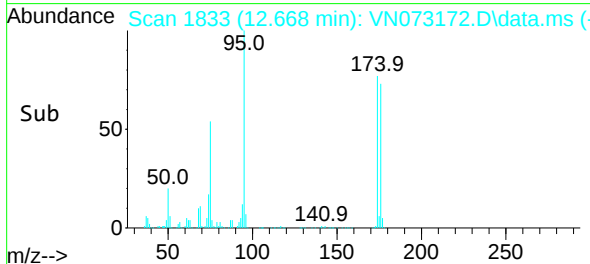
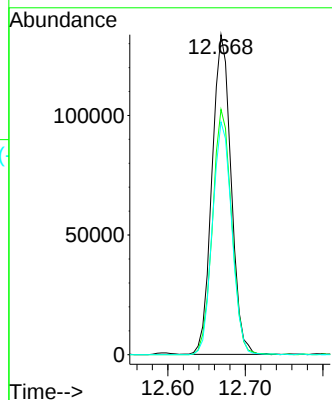
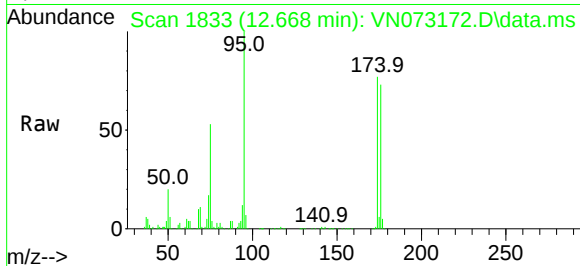




#62
4-Bromofluorobenzene
Concen: 51.572 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073172.D
Acq: 27 Jun 2022 19:18

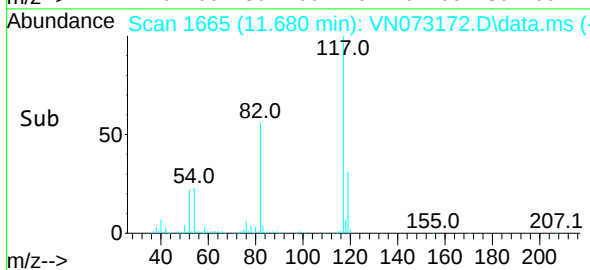
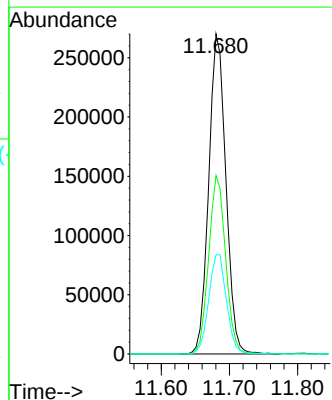
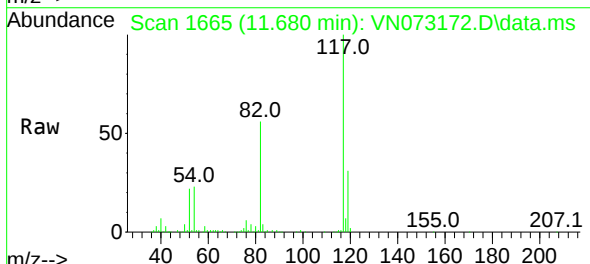
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3-GRRE

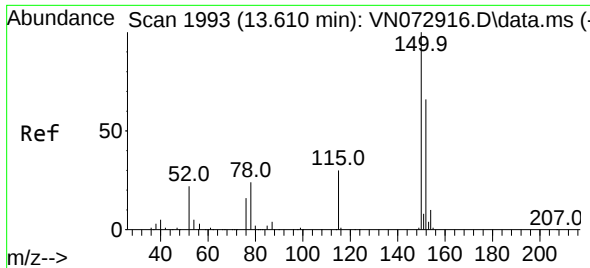
Tgt Ion: 95 Resp: 228615
Ion Ratio Lower Upper
95 100
174 77.0 0.0 167.6
176 73.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073172.D
Acq: 27 Jun 2022 19:18

Tgt Ion: 117 Resp: 473158
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.2
119 31.0 25.4 38.0

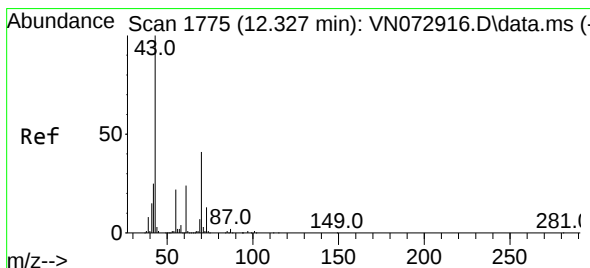
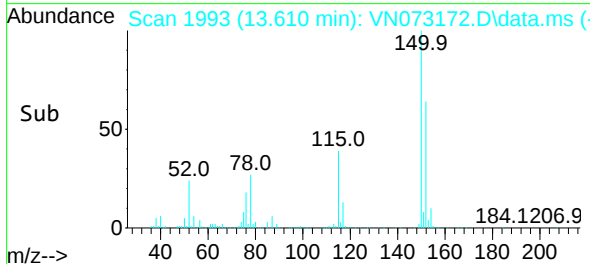
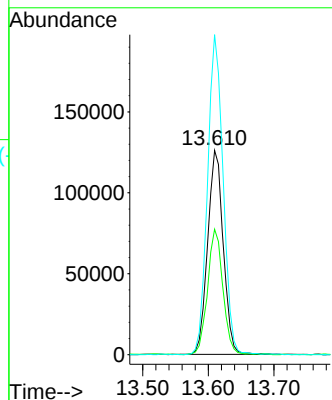
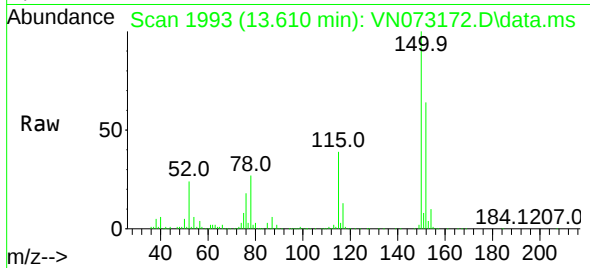




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN073172.D
Acq: 27 Jun 2022 19:18

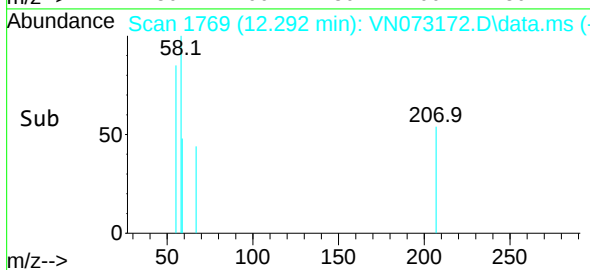
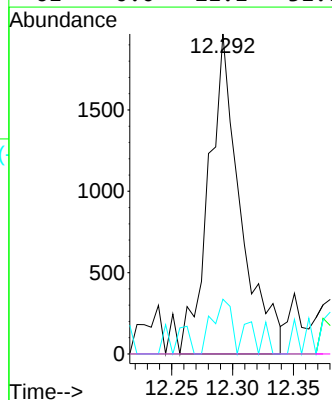
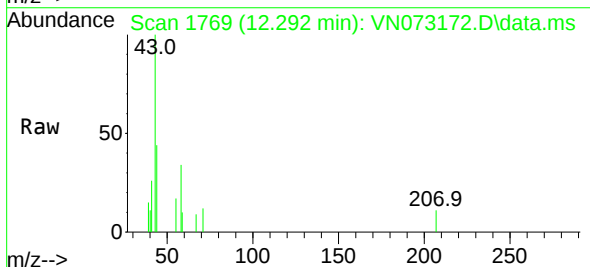
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3-GRRE

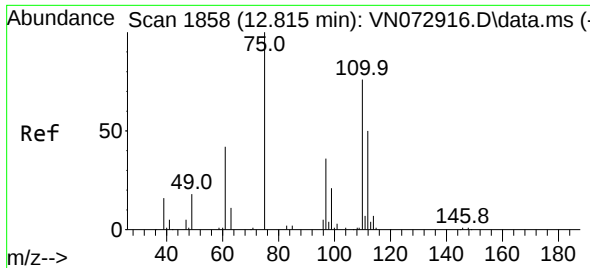
Tgt Ion:152 Resp: 209017
Ion Ratio Lower Upper
152 100
115 60.8 28.9 86.7
150 156.7 0.0 356.2



#74
N-ethyl acetate
Concen: 0.426 ug/l
RT: 12.292 min Scan# 1769
Delta R.T. -0.035 min
Lab File: VN073172.D
Acq: 27 Jun 2022 19:18

Tgt Ion: 43 Resp: 3574
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 10.3 21.1 31.7#
61 0.0 21.1 31.7#

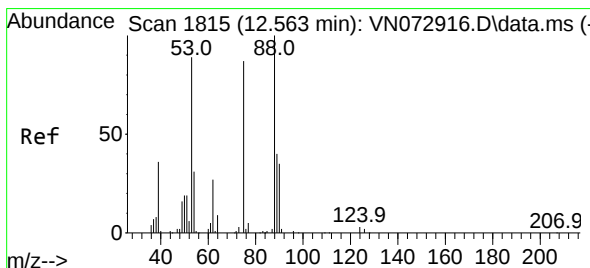
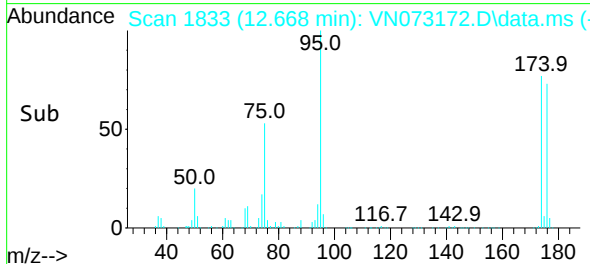
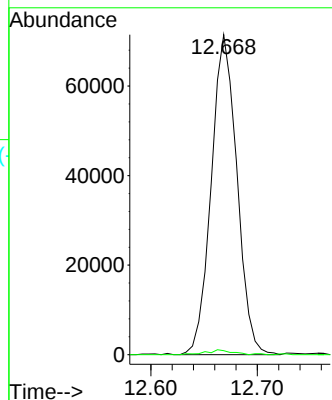
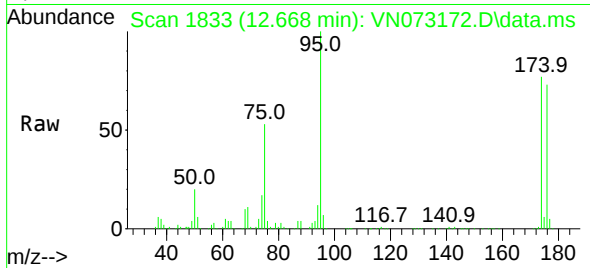




#76
1,2,3-Trichloropropane
Concen: 23.643 ug/l
RT: 12.668 min Scan# 11
Delta R.T. -0.147 min
Lab File: VN073172.D
Acq: 27 Jun 2022 19:18

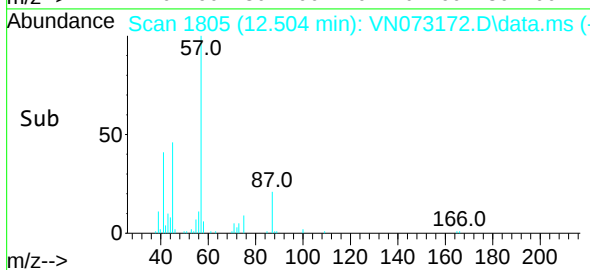
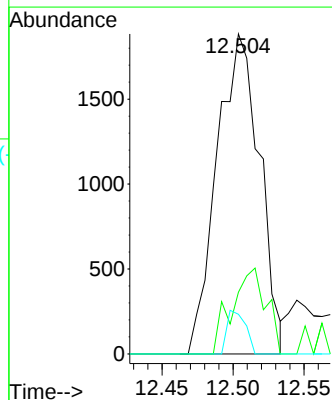
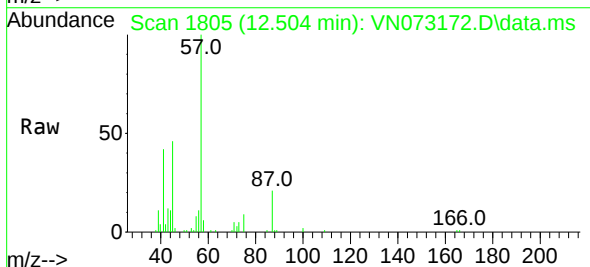
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3-GRRE

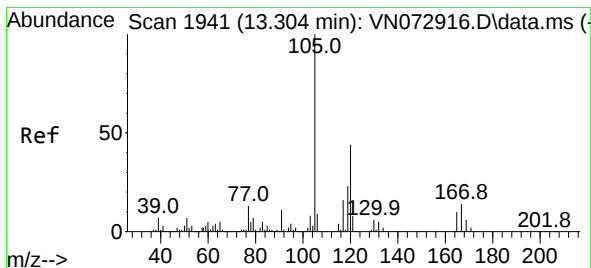
Tgt Ion: 75 Resp: 119811
Ion Ratio Lower Upper
75 100
77 1.5 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 2.097 ug/l
RT: 12.504 min Scan# 1805
Delta R.T. -0.059 min
Lab File: VN073172.D
Acq: 27 Jun 2022 19:18

Tgt Ion: 75 Resp: 3934
Ion Ratio Lower Upper
75 100
53 21.5 78.0 117.0#
89 5.9 37.2 55.8#





#84

1,2,4-Trimethylbenzene

Concen: 0.264 ug/l

RT: 13.327 min Scan# 1945

Delta R.T. 0.024 min

Lab File: VN073172.D

Acq: 27 Jun 2022 19:18

Instrument :

MSVOA_N

ClientSampleId :

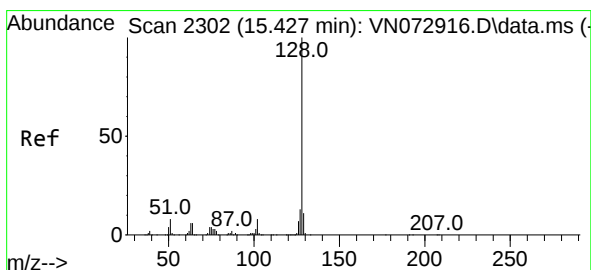
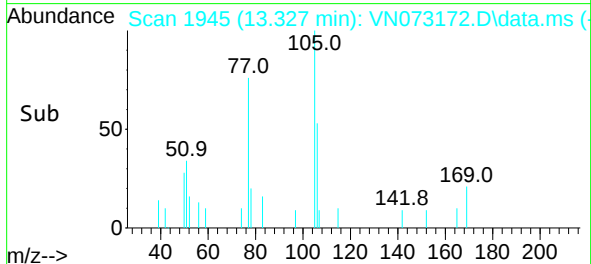
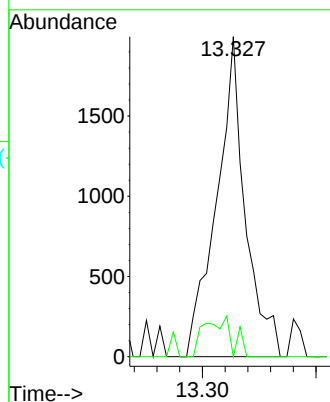
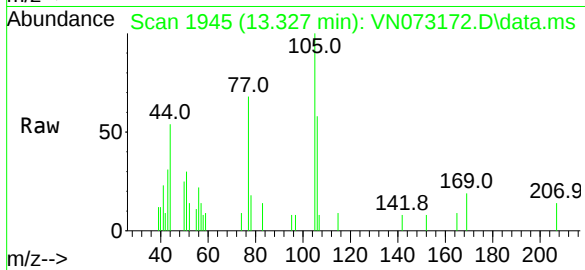
SP-EXC-3-GRRE

Tgt Ion:105 Resp: 3493

Ion Ratio Lower Upper

105 100

120 12.2 23.3 69.8#



#95

Naphthalene

Concen: 0.584 ug/l

RT: 15.433 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VN073172.D

Acq: 27 Jun 2022 19:18

Tgt Ion:128 Resp: 9428

Ion Ratio Lower Upper

128 100

127 16.4 10.3 15.5#

129 14.4 8.6 13.0#

