

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062422\
 Data File : VN073090.D
 Acq On : 24 Jun 2022 18:11
 Operator : JC\MD
 Sample : N3455-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-EXC-2-2-GR

Quant Time: Jun 24 23:40:23 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)

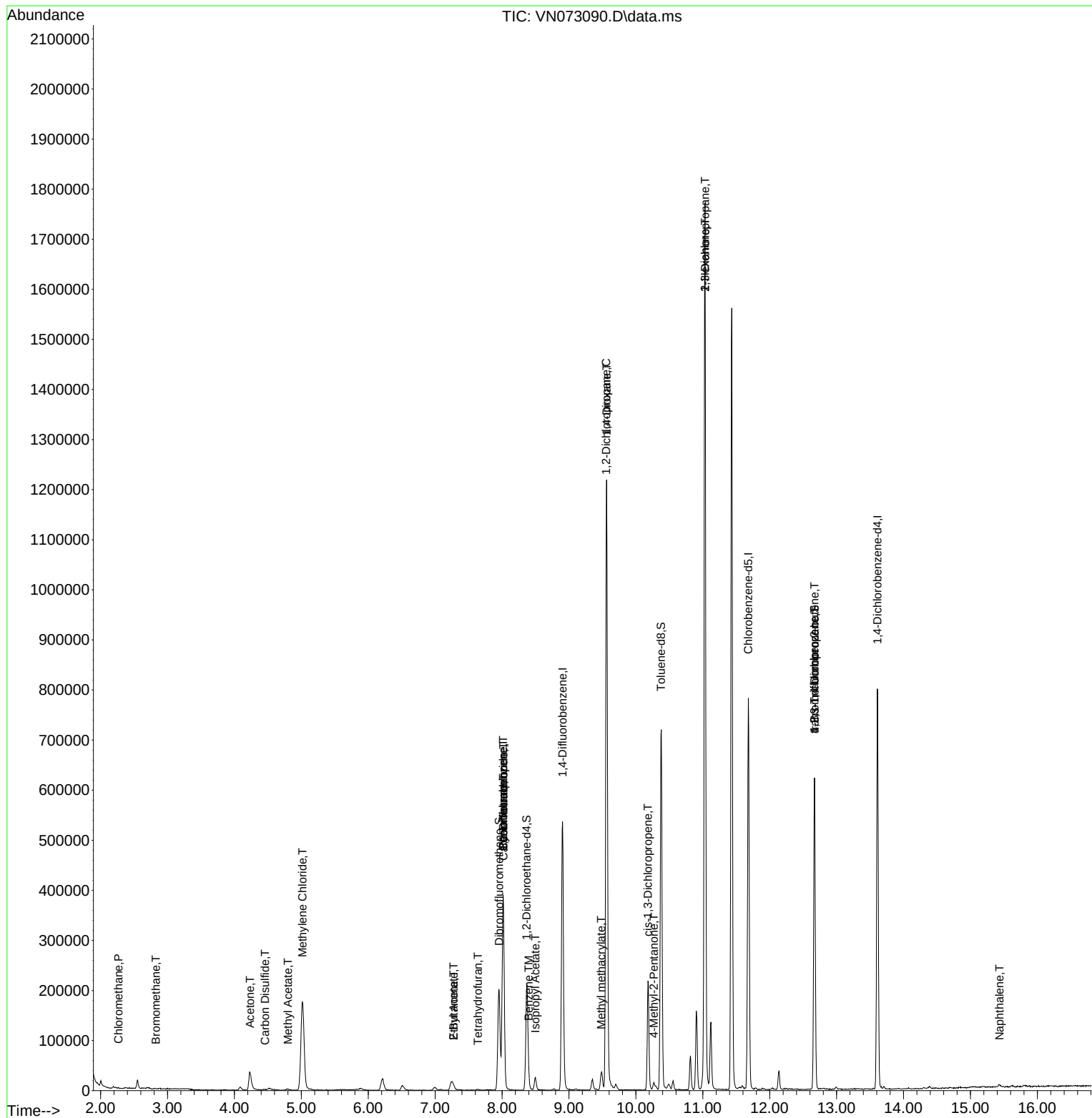
Internal Standards						
1) Pentafluorobenzene	8.016	168	292266	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	468739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	438373	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	213179	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	178090	45.071	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.140%		
35) Dibromofluoromethane	7.957	113	151126	52.162	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.320%		
50) Toluene-d8	10.374	98	498747	46.263	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.520%		
62) 4-Bromofluorobenzene	12.668	95	213820	55.157	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.320%		
Target Compounds					Qvalue	
3) Chloromethane	2.269	50	817	0.839	ug/l	97
5) Bromomethane	2.828	94	213	0.217	ug/l	81
16) Acetone	4.234	43	66419	30.579	ug/l	95
17) Carbon Disulfide	4.457	76	2156	0.301	ug/l #	75
18) Methyl Acetate	4.798	43	4795	0.829	ug/l #	69
20) Methylene Chloride	5.016	84	146880	43.566	ug/l	90
25) 2-Butanone	7.275	43	15014	4.356	ug/l #	84
26) 2,2-Dichloropropane	7.245	77	1180	Below Cal	#	53
29) Tetrahydrofuran	7.639	42	1596	0.701	ug/l #	37
31) Cyclohexane	8.016	56	7211	1.349	ug/l #	53
36) 1,1-Dichloropropene	8.016	75	23833	6.079	ug/l #	48
37) Ethyl Acetate	7.275	43	15014	2.394	ug/l #	67
38) Carbon Tetrachloride	8.022	117	29569	7.171	ug/l #	15
40) Benzene	8.398	78	6104	0.495	ug/l	95
43) Isopropyl Acetate	8.498	43	28605	3.191	ug/l #	88
45) 1,2-Dichloropropane	9.557	63	1415	0.449	ug/l #	44
48) Methyl methacrylate	9.480	41	10957	2.677	ug/l #	21
49) 1,4-Dioxane	9.563	88	74	0.804	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	16461	2.816	ug/l #	71
54) cis-1,3-Dichloropropene	10.180	75	40197	8.086	ug/l #	70
57) 1,3-Dichloropropane	11.033	76	17821	3.234	ug/l #	42
59) 2-Hexanone	11.033	43	291544	64.489	ug/l #	43
76) 1,2,3-Trichloropropane	12.668	75	113939	22.045	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	113939	59.535	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.509	75	54	Below Cal	#	1
95) Naphthalene	15.433	128	5288	0.321	ug/l #	92

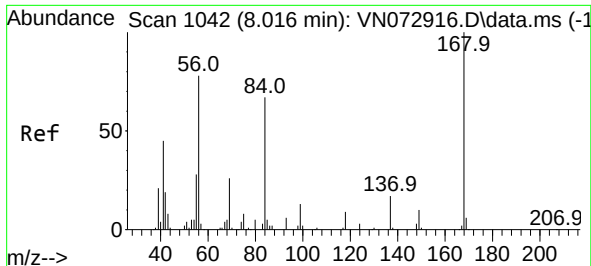
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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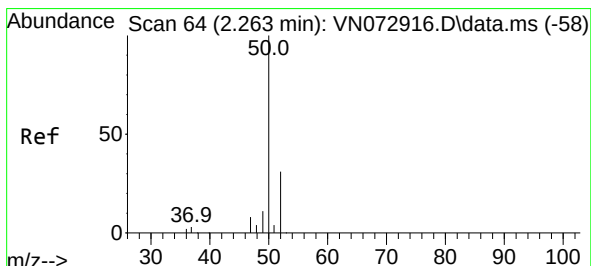
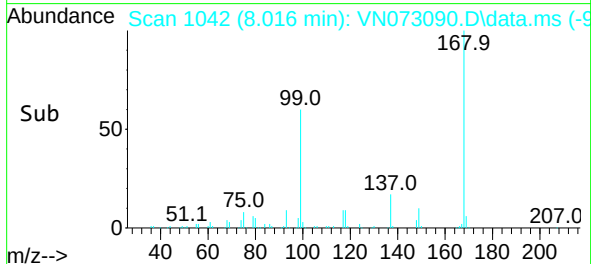
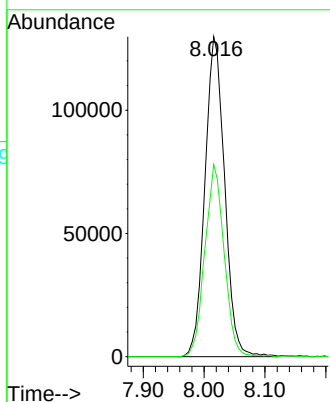
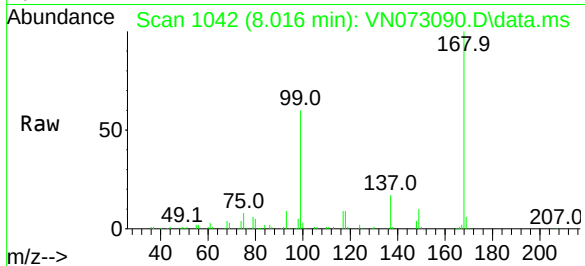




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

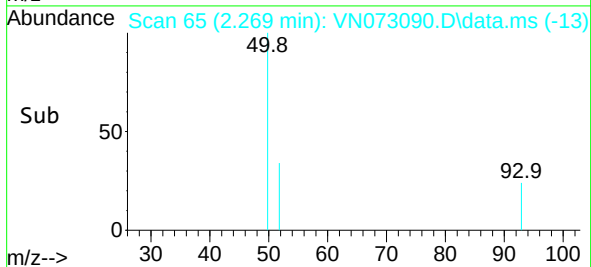
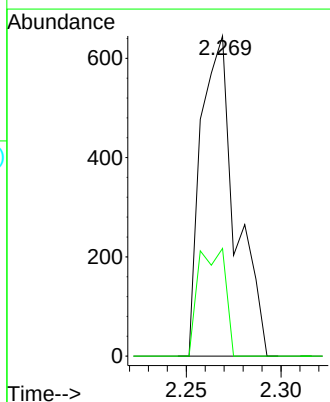
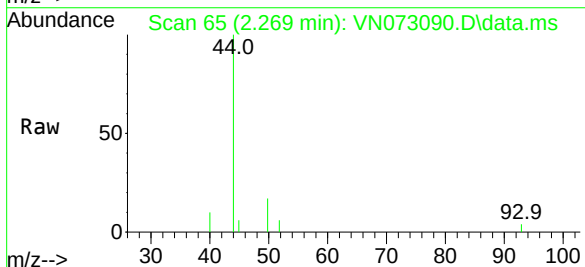
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-2-GR

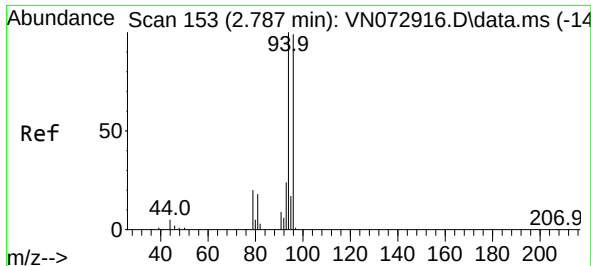
Tgt Ion:168 Resp: 292266
Ion Ratio Lower Upper
168 100
99 60.1 42.3 63.5



#3
Chloromethane
Concen: 0.839 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

Tgt Ion: 50 Resp: 817
Ion Ratio Lower Upper
50 100
52 33.6 25.7 38.5

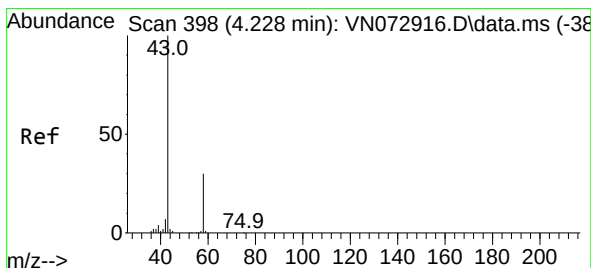
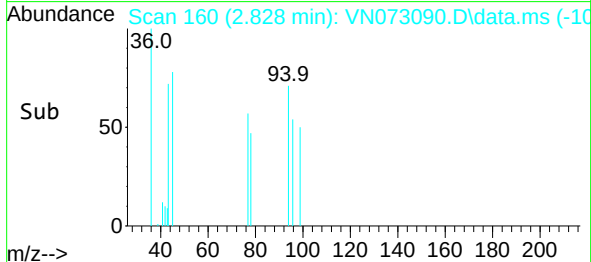
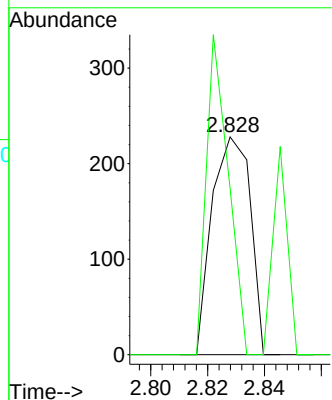
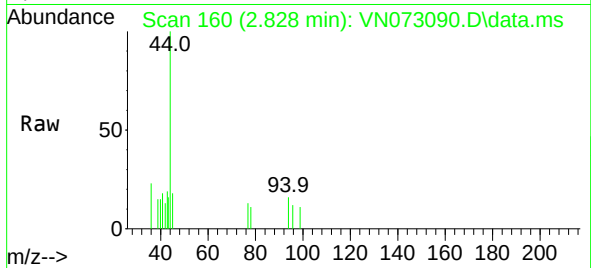




#5
Bromomethane
Concen: 0.217 ug/l
RT: 2.828 min Scan# 1
Delta R.T. 0.041 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

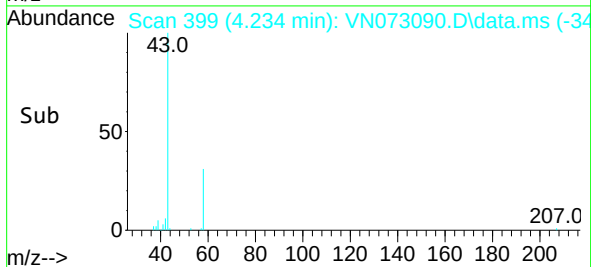
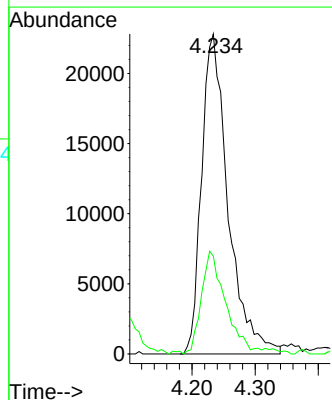
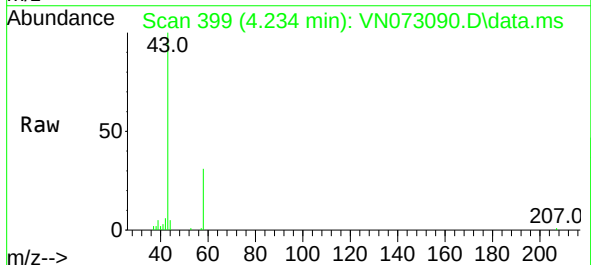
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-2-GR

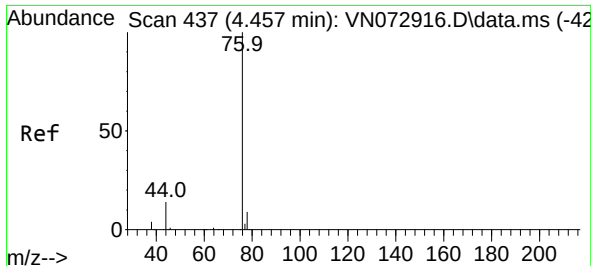
Tgt Ion: 94 Resp: 213
Ion Ratio Lower Upper
94 100
96 76.3 76.0 114.0



#16
Acetone
Concen: 30.579 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.006 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

Tgt Ion: 43 Resp: 66419
Ion Ratio Lower Upper
43 100
58 29.9 26.0 39.0

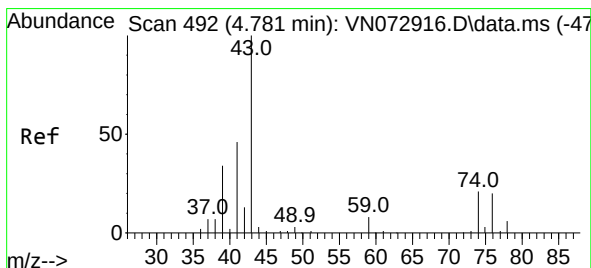
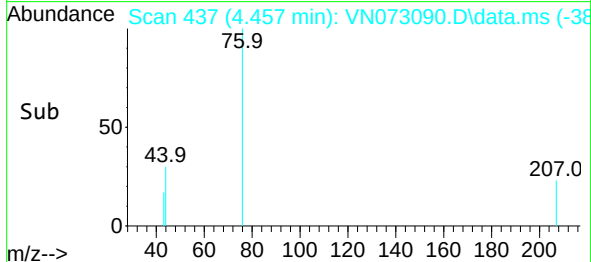
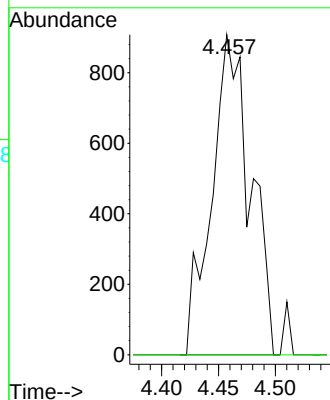
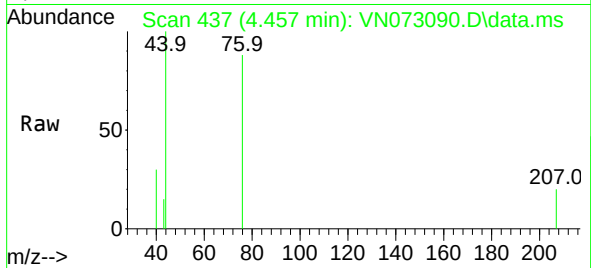




#17
Carbon Disulfide
Concen: 0.301 ug/l
RT: 4.457 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

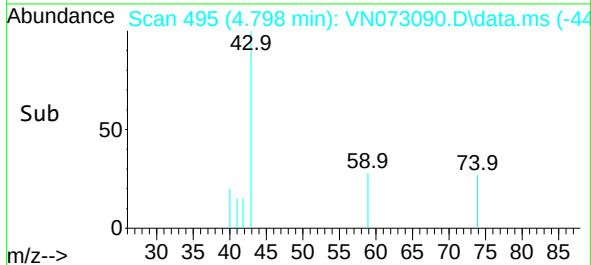
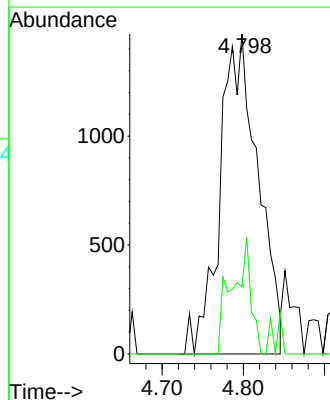
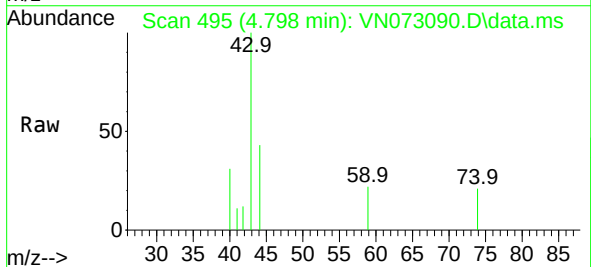
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-2-GR

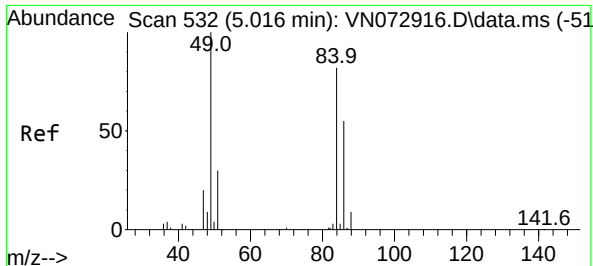
Tgt Ion: 76 Resp: 2156
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.829 ug/l
RT: 4.798 min Scan# 495
Delta R.T. 0.018 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

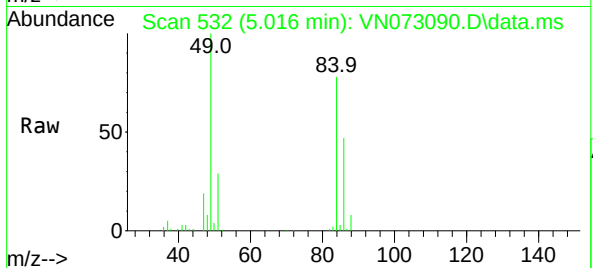
Tgt Ion: 43 Resp: 4795
Ion Ratio Lower Upper
43 100
74 11.2 21.6 32.4#



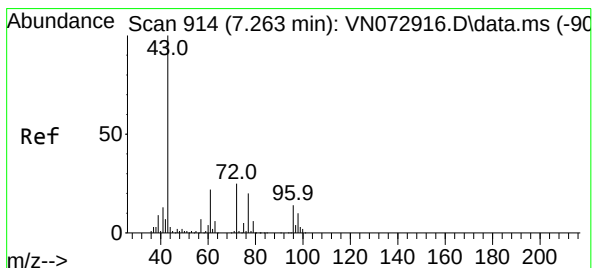
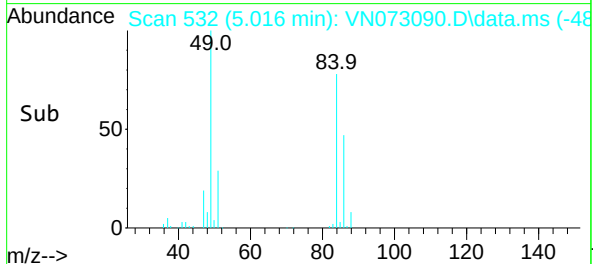
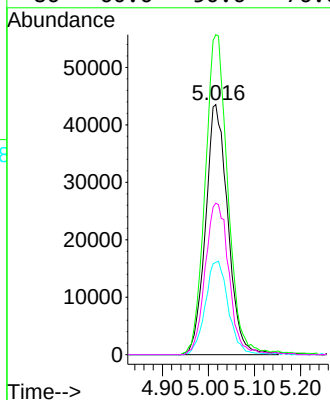


#20
Methylene Chloride
Concen: 43.566 ug/l
RT: 5.016 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-2-GR

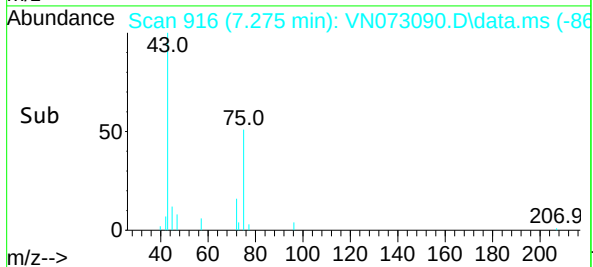
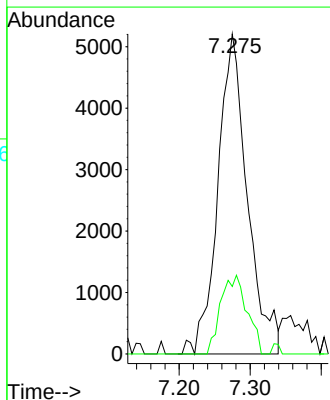
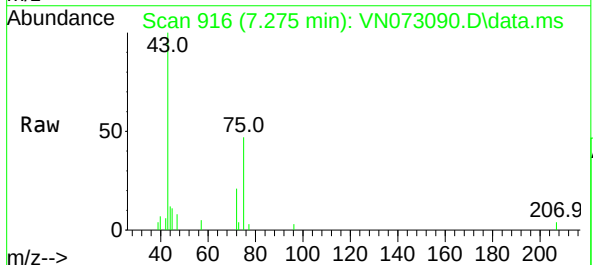


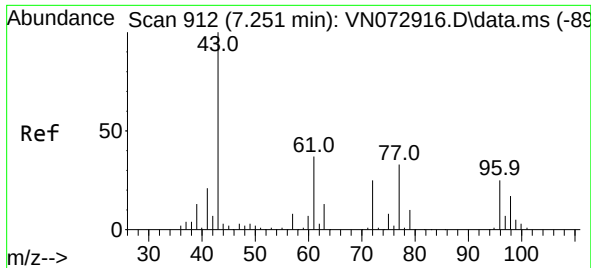
Tgt Ion:	84	Resp:	146880
Ion	Ratio	Lower	Upper
84	100		
49	128.0	88.3	132.5
51	36.9	28.2	42.2
86	60.6	50.6	76.0



#25
2-Butanone
Concen: 4.356 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.012 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

Tgt Ion:	43	Resp:	15014
Ion	Ratio	Lower	Upper
43	100		
72	21.1	23.7	35.5

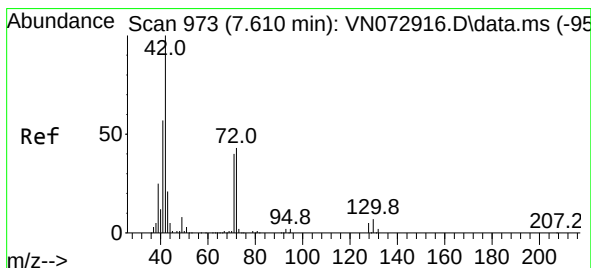
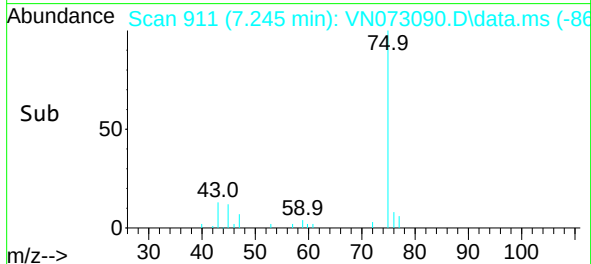
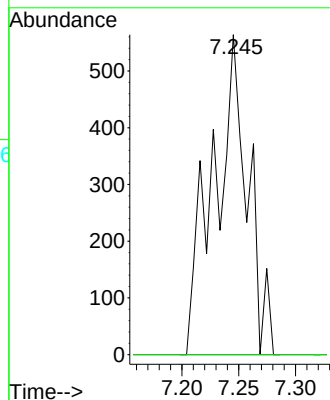
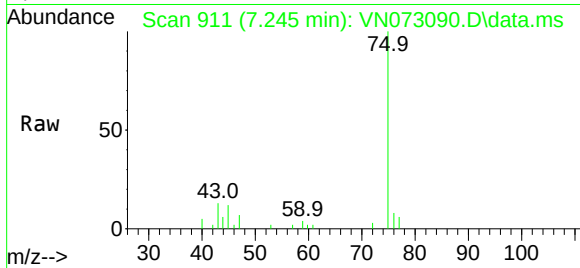




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.245 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

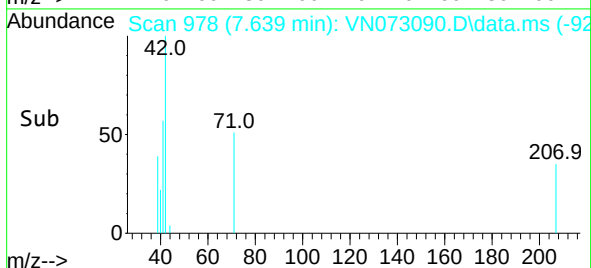
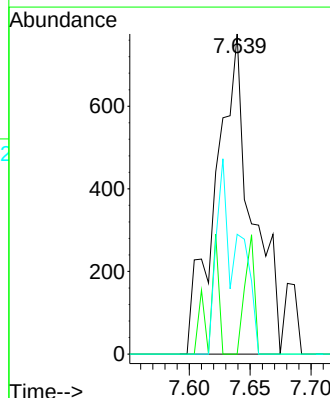
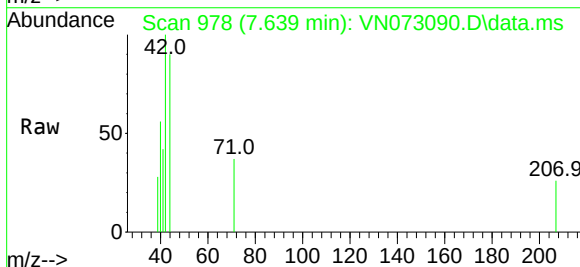
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-2-GR

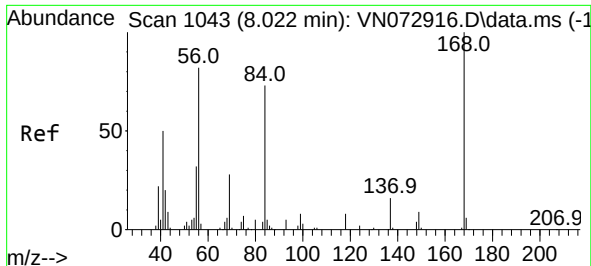
Tgt Ion: 77 Resp: 1180
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 0.701 ug/l
RT: 7.639 min Scan# 978
Delta R.T. 0.029 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

Tgt Ion: 42 Resp: 1596
Ion Ratio Lower Upper
42 100
72 9.9 39.7 59.5#
71 0.0 36.6 55.0#

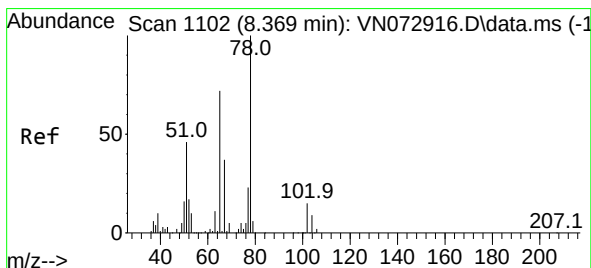
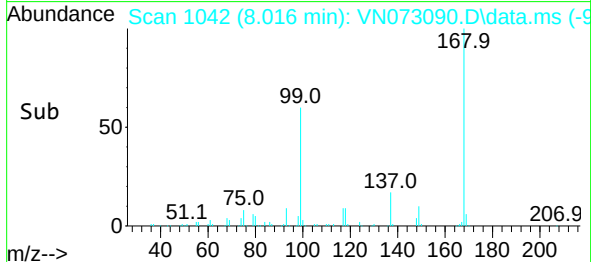
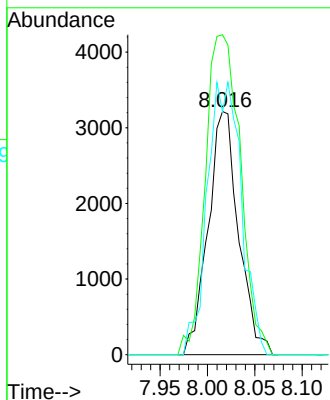
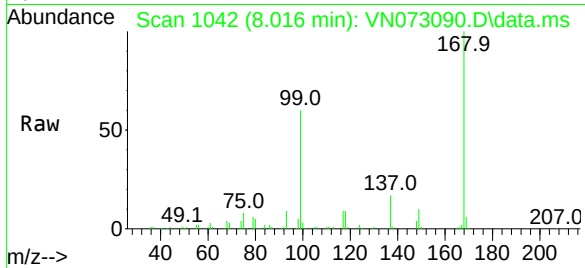




#31
Cyclohexane
Concen: 1.349 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

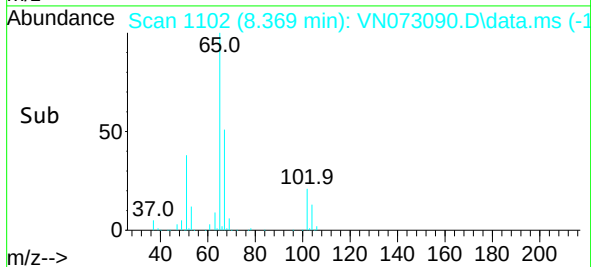
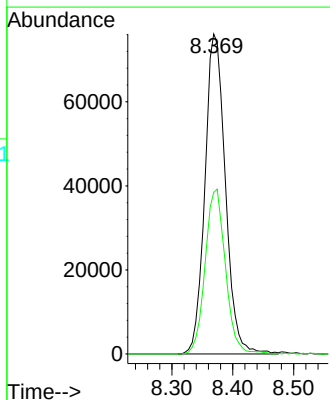
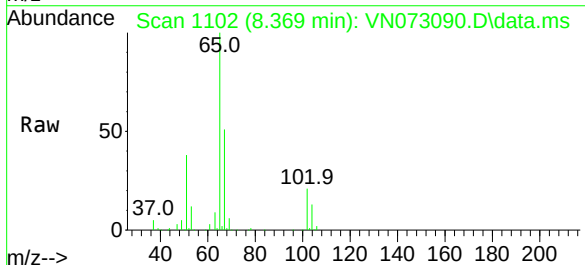
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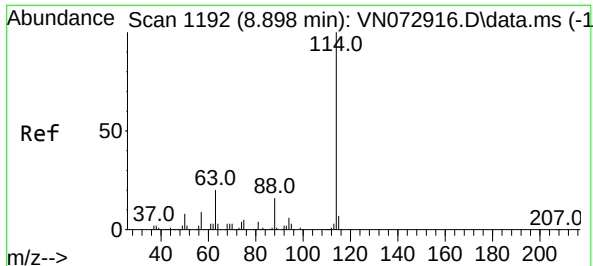
Tgt Ion: 56 Resp: 7211
Ion Ratio Lower Upper
56 100
69 131.6 27.8 41.8#
84 99.8 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 45.071 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

Tgt Ion: 65 Resp: 178090
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN073090.D

Acq: 24 Jun 2022 18:11

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-2-2-GR

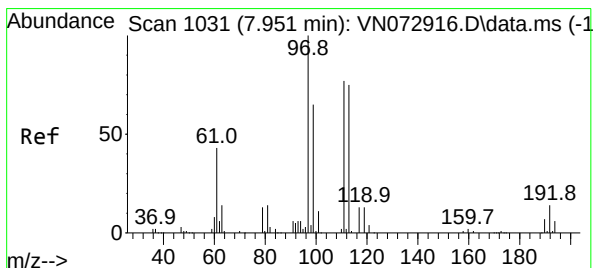
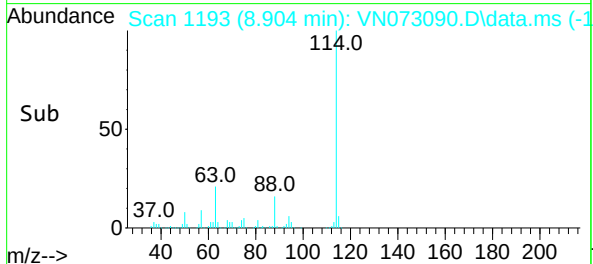
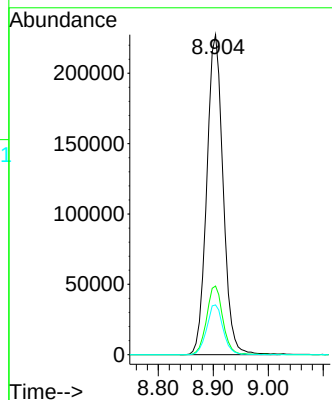
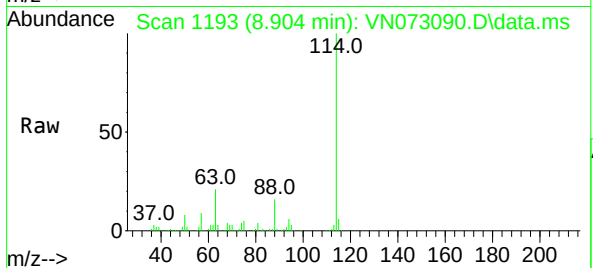
Tgt Ion:114 Resp: 468739

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.0

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.162 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN073090.D

Acq: 24 Jun 2022 18:11

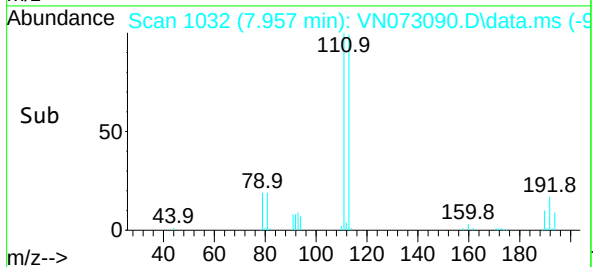
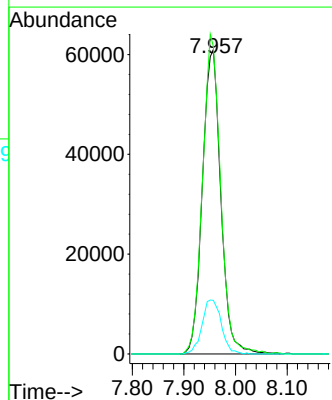
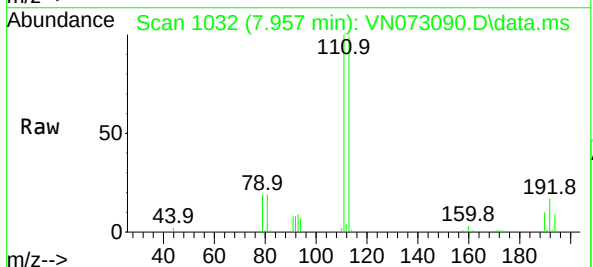
Tgt Ion:113 Resp: 151126

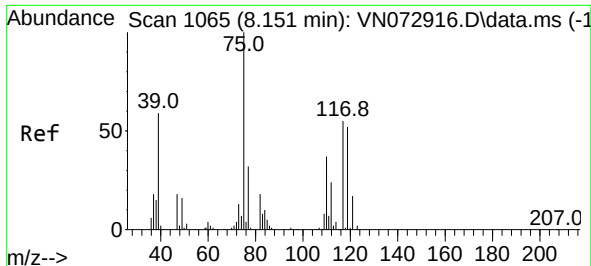
Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

192 18.6 17.0 25.6





#36

1,1-Dichloropropene

Concen: 6.079 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN073090.D

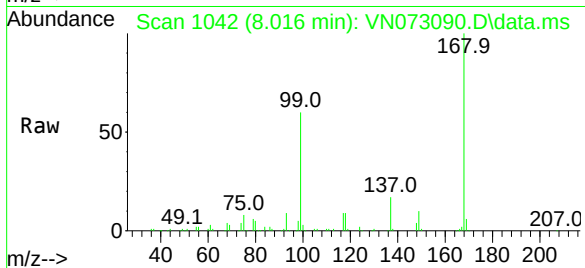
Acq: 24 Jun 2022 18:11

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-2-2-GR



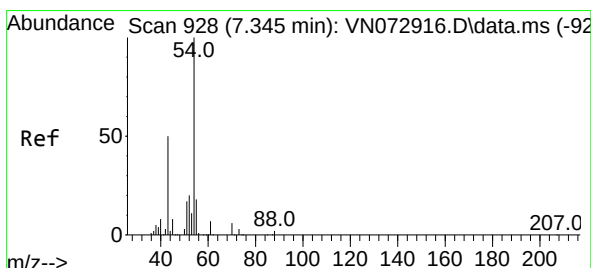
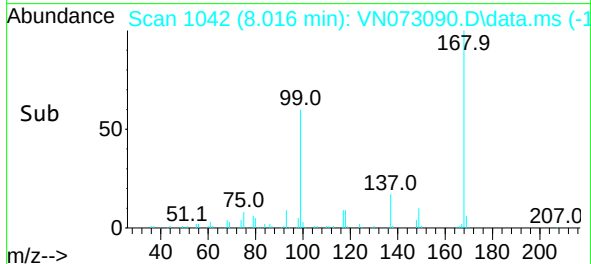
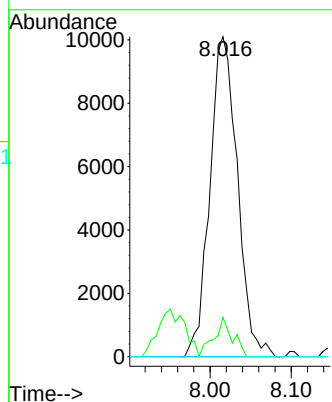
Tgt Ion: 75 Resp: 23833

Ion Ratio Lower Upper

75 100

110 8.3 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 2.394 ug/l

RT: 7.275 min Scan# 916

Delta R.T. -0.071 min

Lab File: VN073090.D

Acq: 24 Jun 2022 18:11

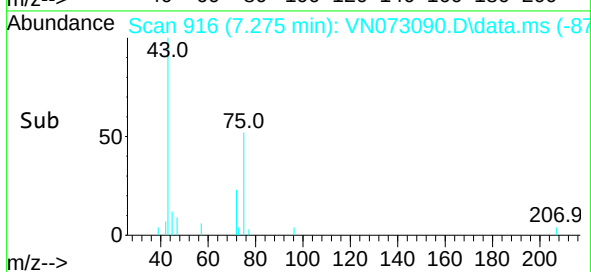
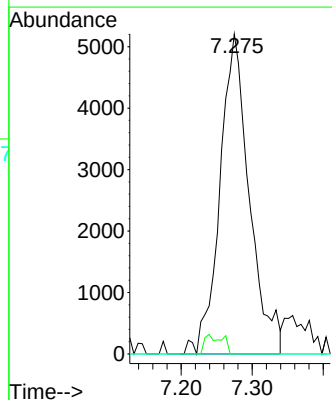
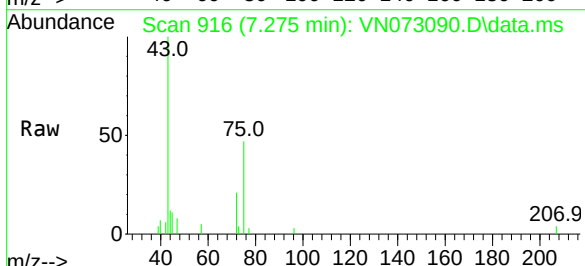
Tgt Ion: 43 Resp: 15014

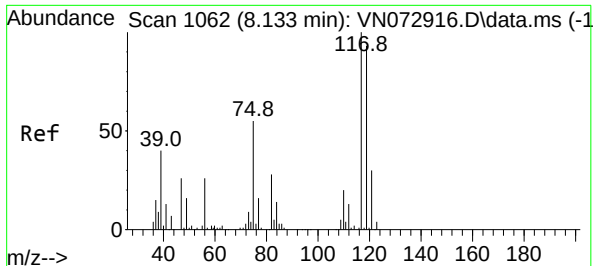
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

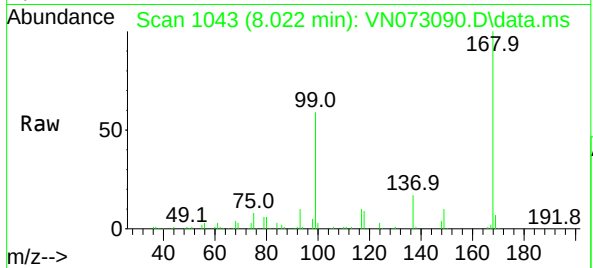
70 0.0 9.3 13.9#



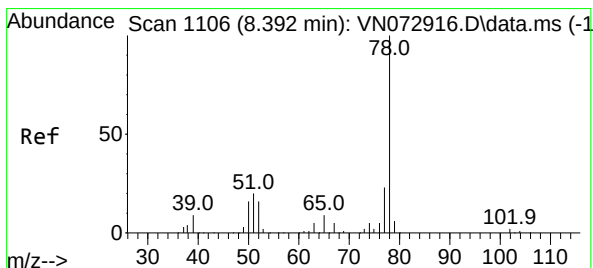
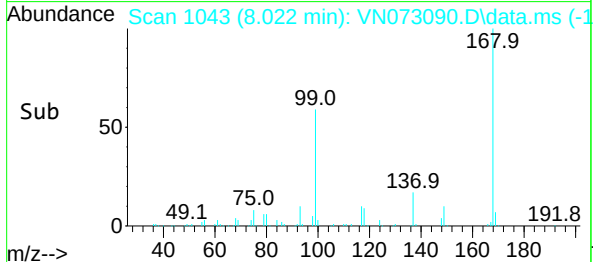
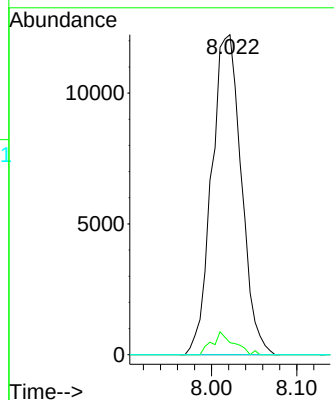


#38
Carbon Tetrachloride
Concen: 7.171 ug/l
RT: 8.022 min Scan# 1107
Delta R.T. -0.112 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-2-GR

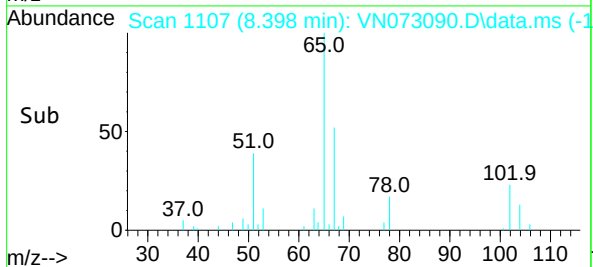
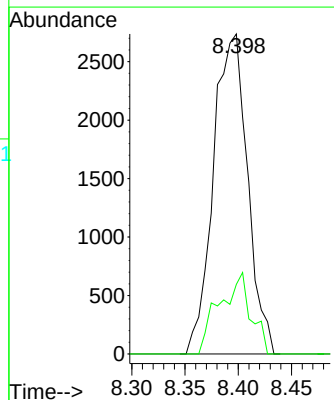
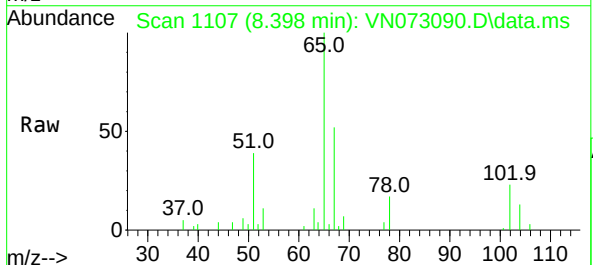


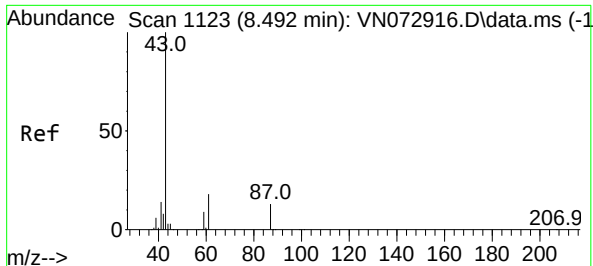
Tgt Ion:117 Resp: 29569
Ion Ratio Lower Upper
117 100
119 3.7 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.495 ug/l
RT: 8.398 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

Tgt Ion: 78 Resp: 6104
Ion Ratio Lower Upper
78 100
77 21.8 19.4 29.0

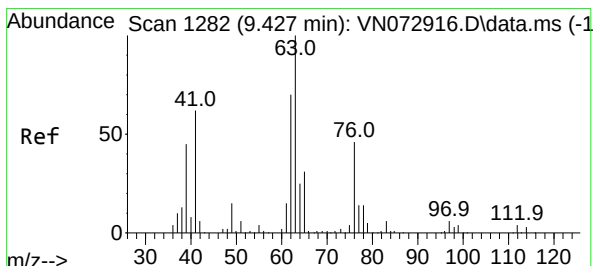
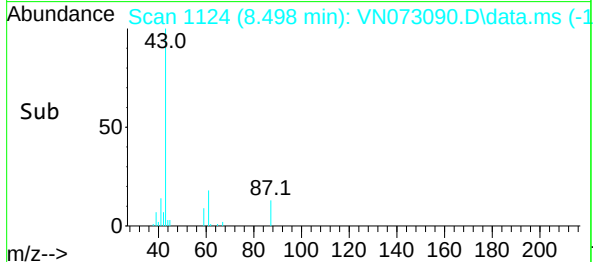
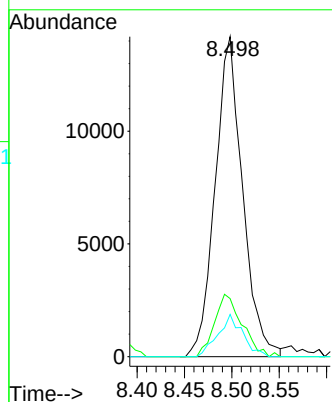
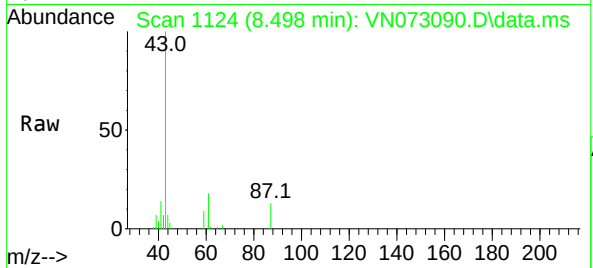




#43
Isopropyl Acetate
Concen: 3.191 ug/l
RT: 8.498 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

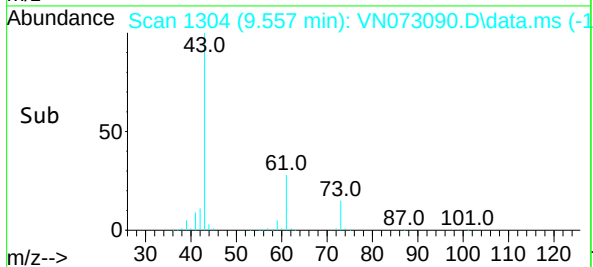
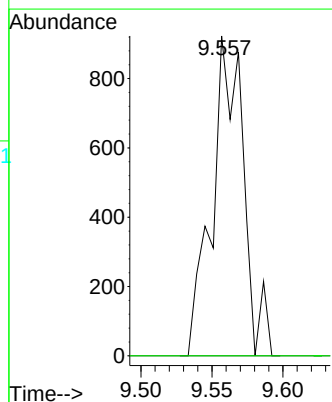
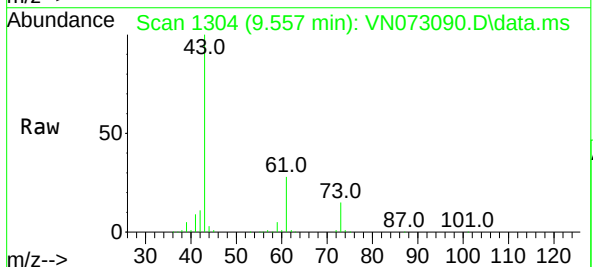
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-2-GR

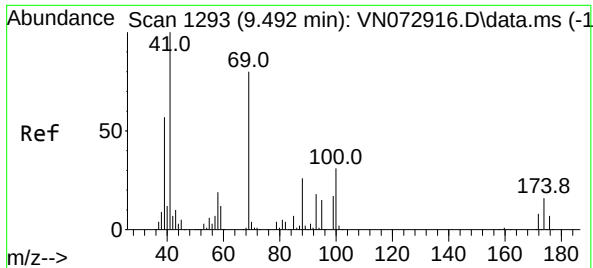
Tgt Ion: 43 Resp: 28605
Ion Ratio Lower Upper
43 100
61 19.6 21.9 32.9#
87 11.9 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.449 ug/l
RT: 9.557 min Scan# 1304
Delta R.T. 0.129 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

Tgt Ion: 63 Resp: 1415
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

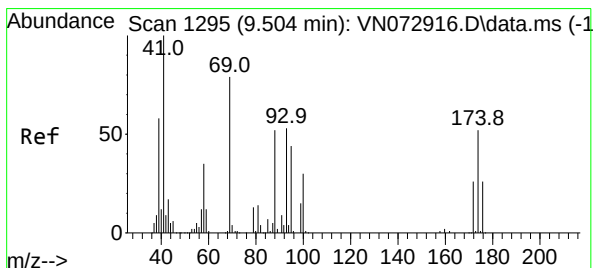
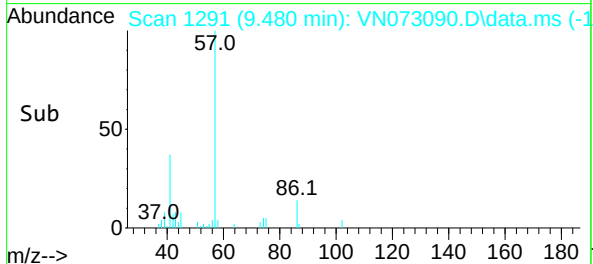
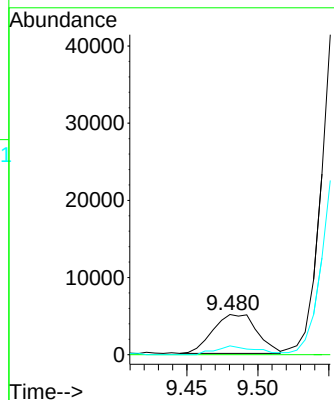
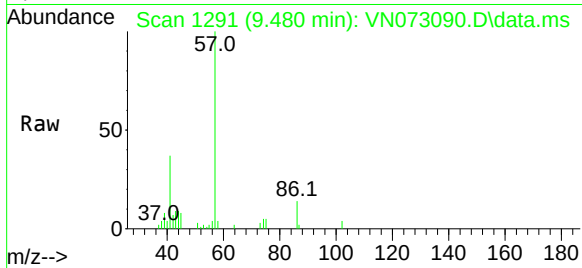




#48
Methyl methacrylate
Concen: 2.677 ug/l
RT: 9.480 min Scan# 1305
Delta R.T. -0.012 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

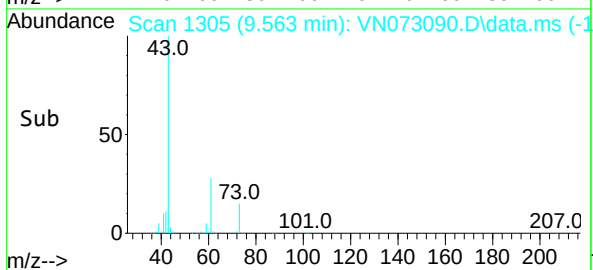
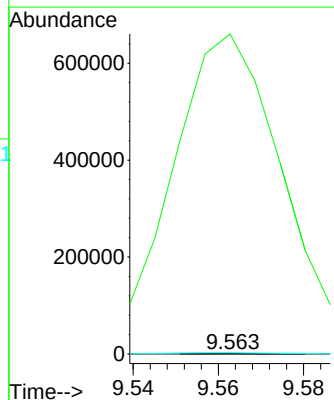
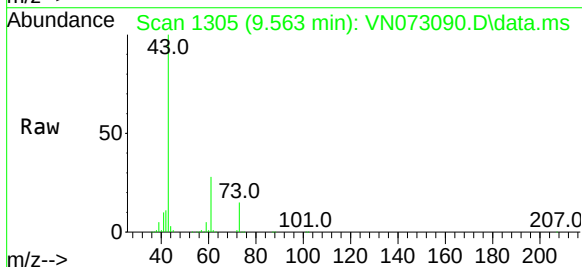
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-2-GR

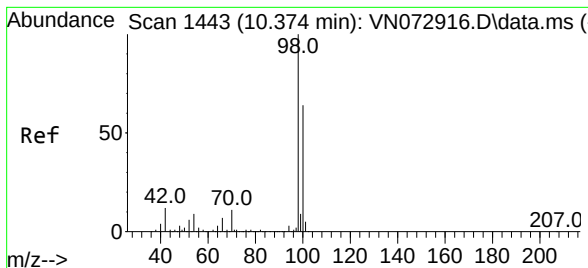
Tgt Ion: 41 Resp: 10957
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 20.6 45.6 68.4#



#49
1,4-Dioxane
Concen: 0.804 ug/l
RT: 9.563 min Scan# 1305
Delta R.T. 0.059 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

Tgt Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
43 1675093.2 20.2 30.4#
58 7287.8 54.2 81.4#

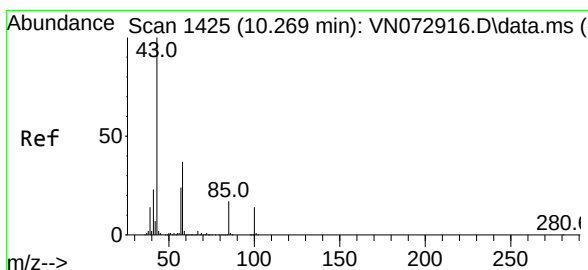
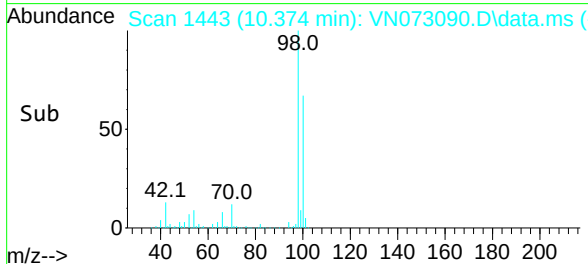
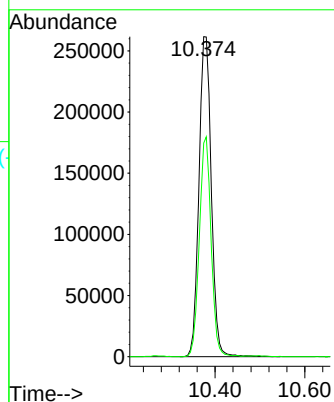
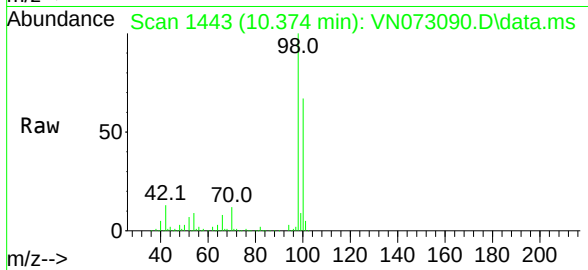




#50
Toluene-d8
Concen: 46.263 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

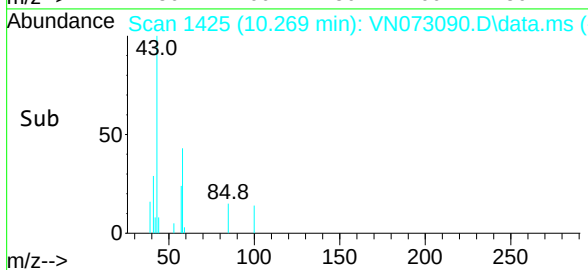
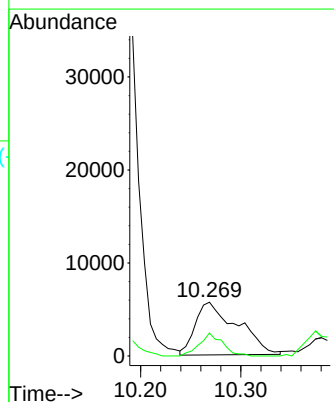
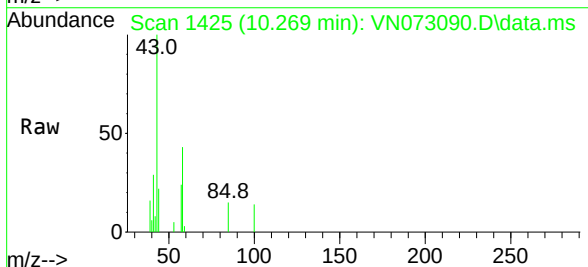
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-2-GR

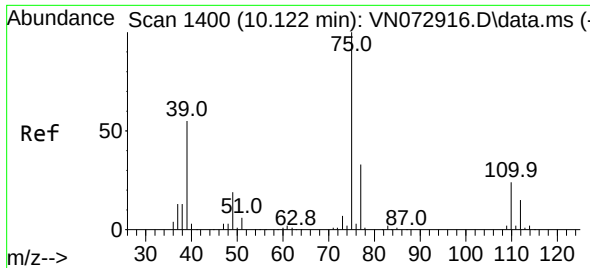
Tgt Ion: 98 Resp: 498747
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 2.816 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

Tgt Ion: 43 Resp: 16461
Ion Ratio Lower Upper
43 100
58 24.1 34.1 51.1#

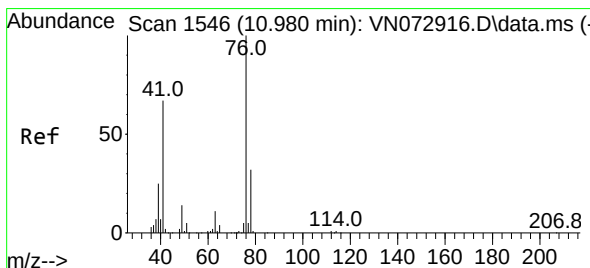
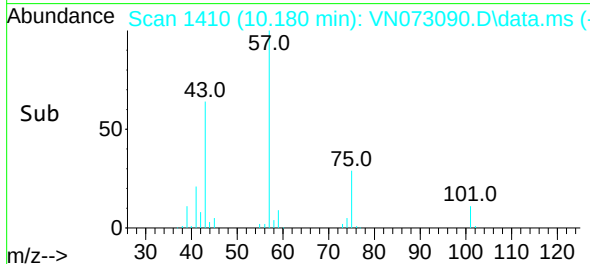
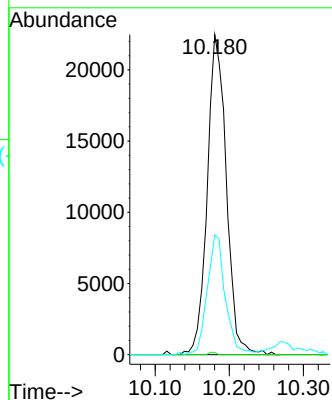
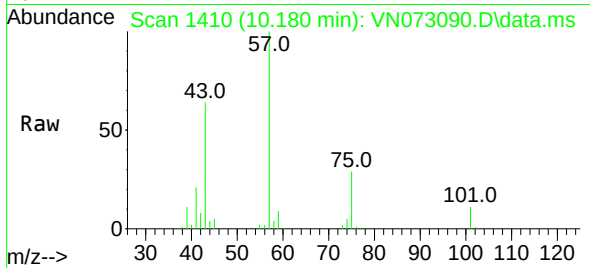




#54
 cis-1,3-Dichloropropene
 Concen: 8.086 ug/l
 RT: 10.180 min Scan# 1400
 Delta R.T. 0.059 min
 Lab File: VN073090.D
 Acq: 24 Jun 2022 18:11

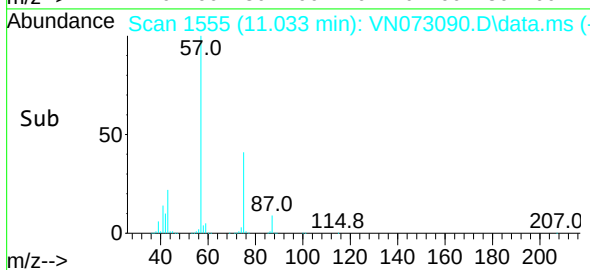
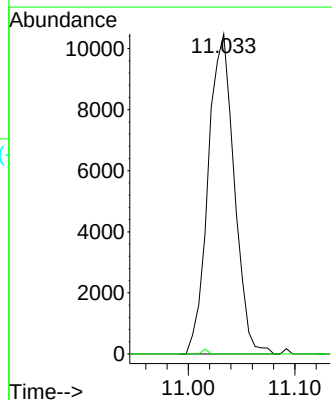
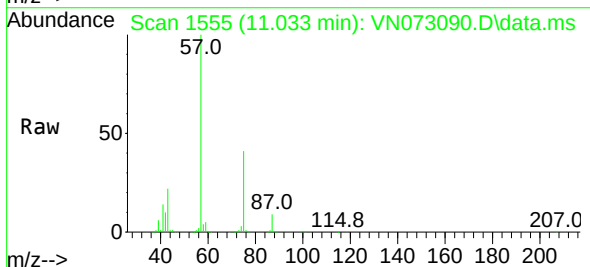
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-EXC-2-2-GR

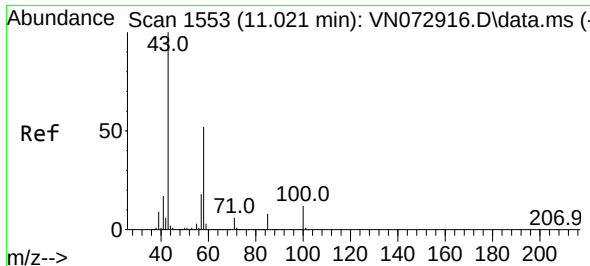
Tgt Ion: 75 Resp: 40197
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.2 37.8#
 39 36.6 35.7 53.5



#57
 1,3-Dichloropropane
 Concen: 3.234 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.053 min
 Lab File: VN073090.D
 Acq: 24 Jun 2022 18:11

Tgt Ion: 76 Resp: 17821
 Ion Ratio Lower Upper
 76 100
 78 0.3 26.2 39.2#

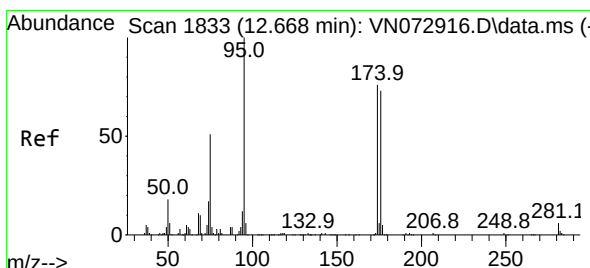
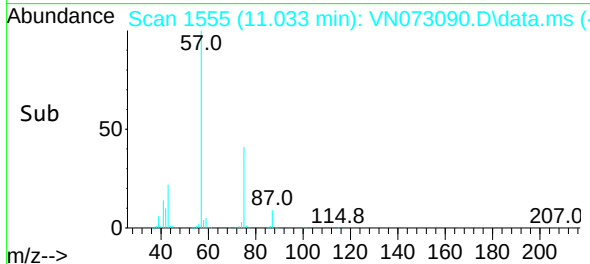
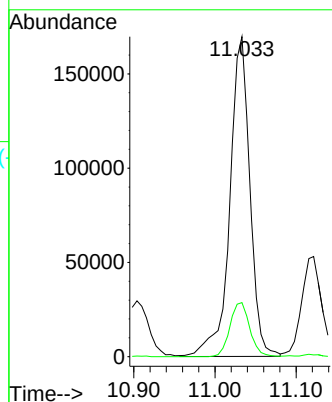
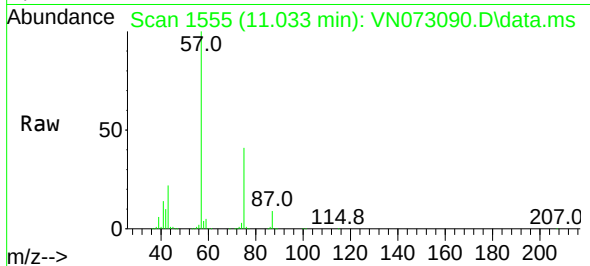




#59
2-Hexanone
Concen: 64.489 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

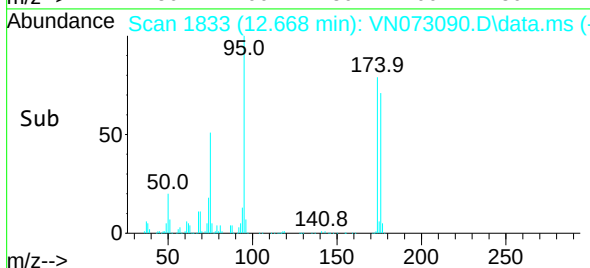
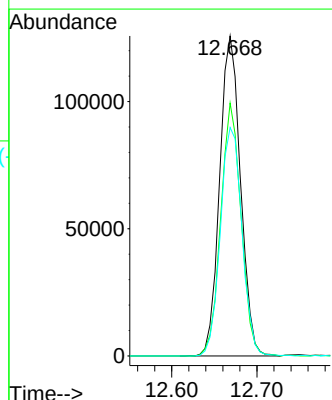
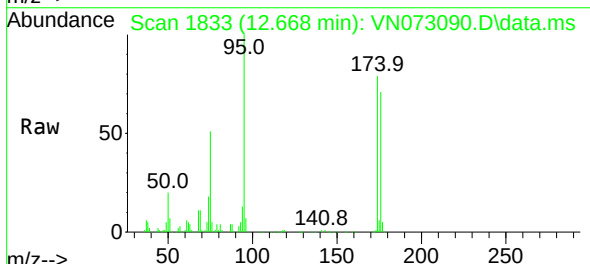
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-2-GR

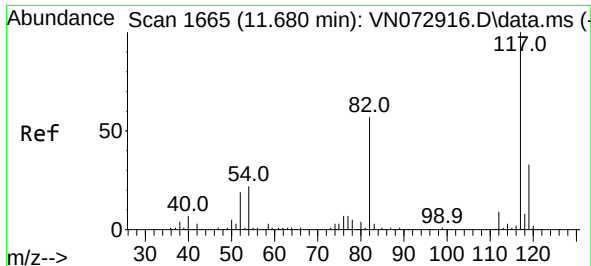
Tgt Ion: 43 Resp: 291544
Ion Ratio Lower Upper
43 100
58 16.8 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 55.157 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

Tgt Ion: 95 Resp: 213820
Ion Ratio Lower Upper
95 100
174 76.9 0.0 167.6
176 73.9 0.0 163.4

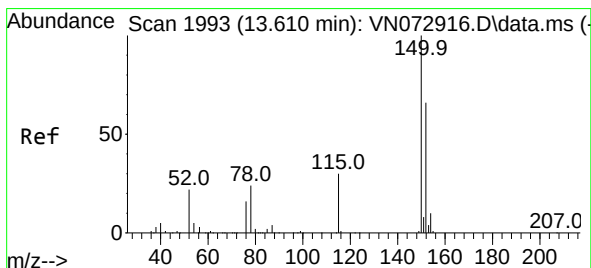
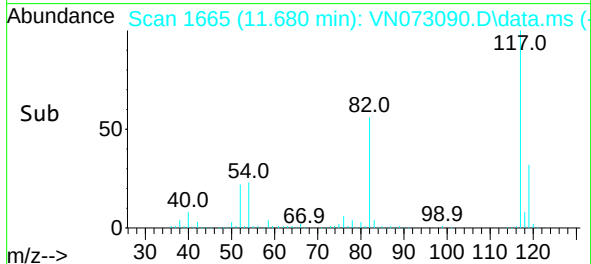
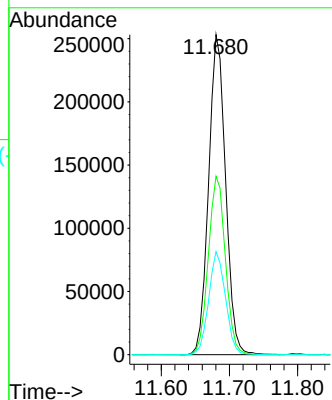
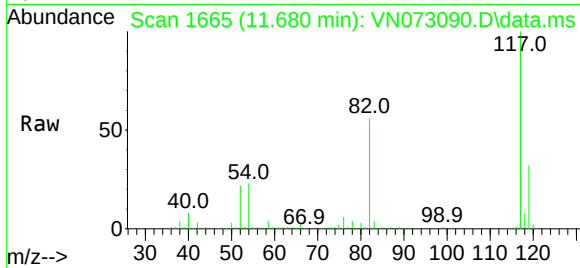




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

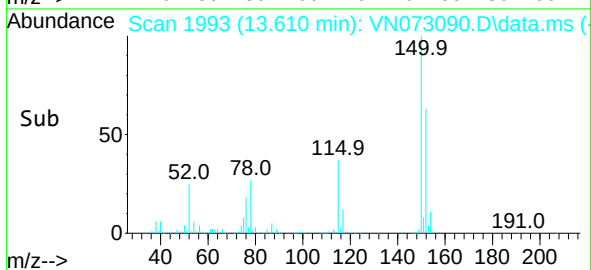
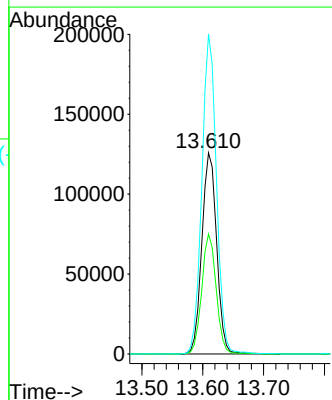
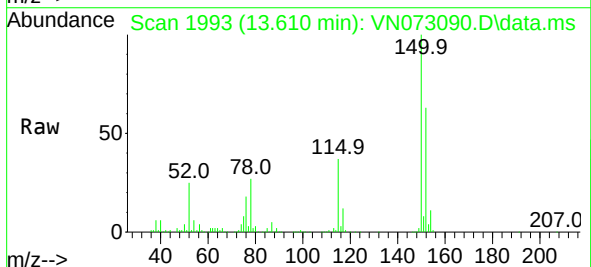
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-2-GR

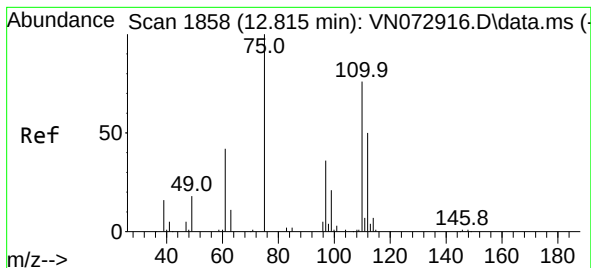
Tgt Ion:117 Resp: 438373
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.2
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

Tgt Ion:152 Resp: 213179
Ion Ratio Lower Upper
152 100
115 58.3 28.9 86.7
150 156.4 0.0 356.2





#76

1,2,3-Trichloropropane

Concen: 22.045 ug/l

RT: 12.668 min Scan# 1833

Delta R.T. -0.147 min

Lab File: VN073090.D

Acq: 24 Jun 2022 18:11

Instrument :

MSVOA_N

ClientSampleId :

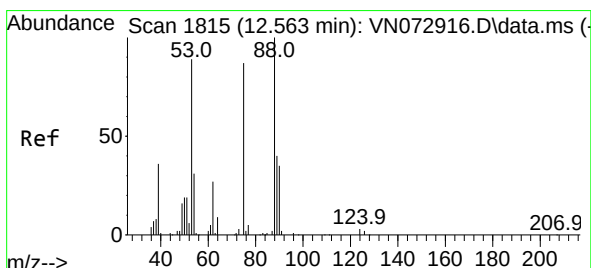
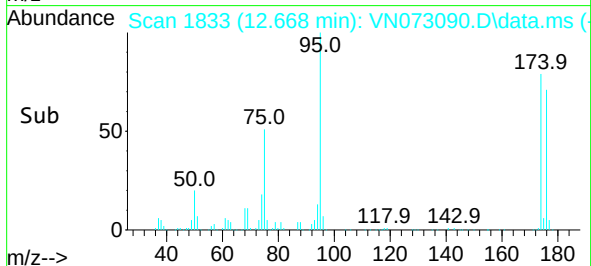
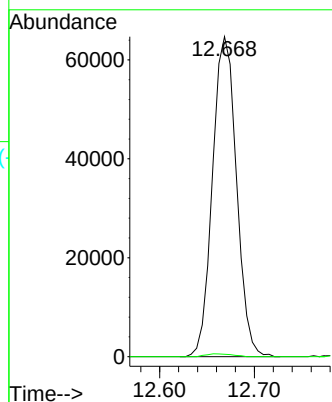
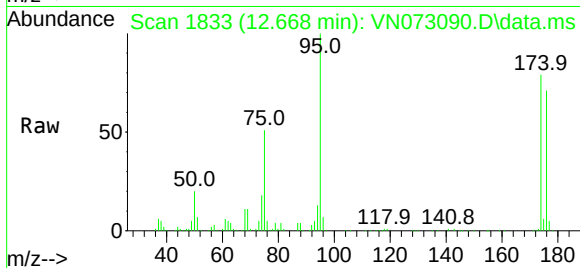
SP-EXC-2-2-GR

Tgt Ion: 75 Resp: 113939

Ion Ratio Lower Upper

75 100

77 1.0 98.5 295.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.535 ug/l

RT: 12.668 min Scan# 1833

Delta R.T. 0.106 min

Lab File: VN073090.D

Acq: 24 Jun 2022 18:11

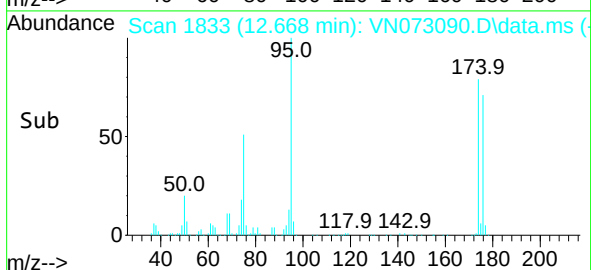
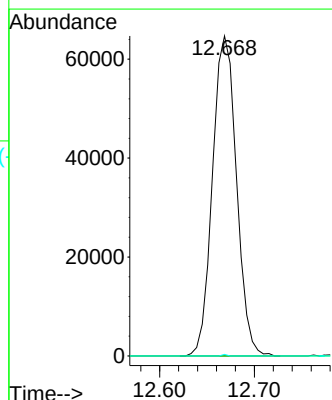
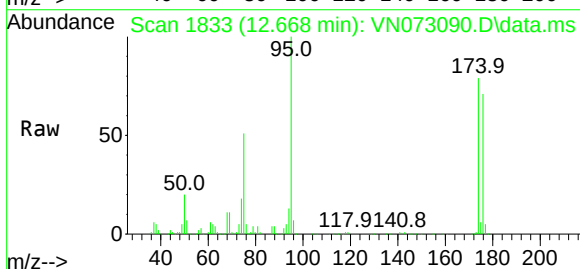
Tgt Ion: 75 Resp: 113939

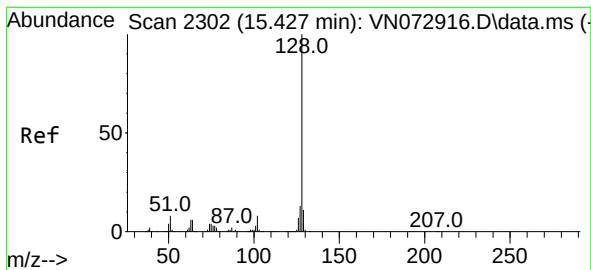
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

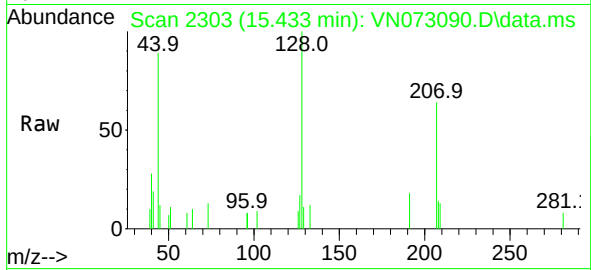
89 0.1 37.2 55.8#





#95
Naphthalene
Concen: 0.321 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073090.D
Acq: 24 Jun 2022 18:11

Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-2-GR



Tgt Ion:128 Resp: 5288
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 4.2 8.6 13.0#

