

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062922\
 Data File : VX029860.D
 Acq On : 29 Jun 2022 14:33
 Operator : JC/MD
 Sample : N3394-34
 Misc : 5.67g/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-EXC-1-1-GR

Quant Time: Jun 29 16:04:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

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

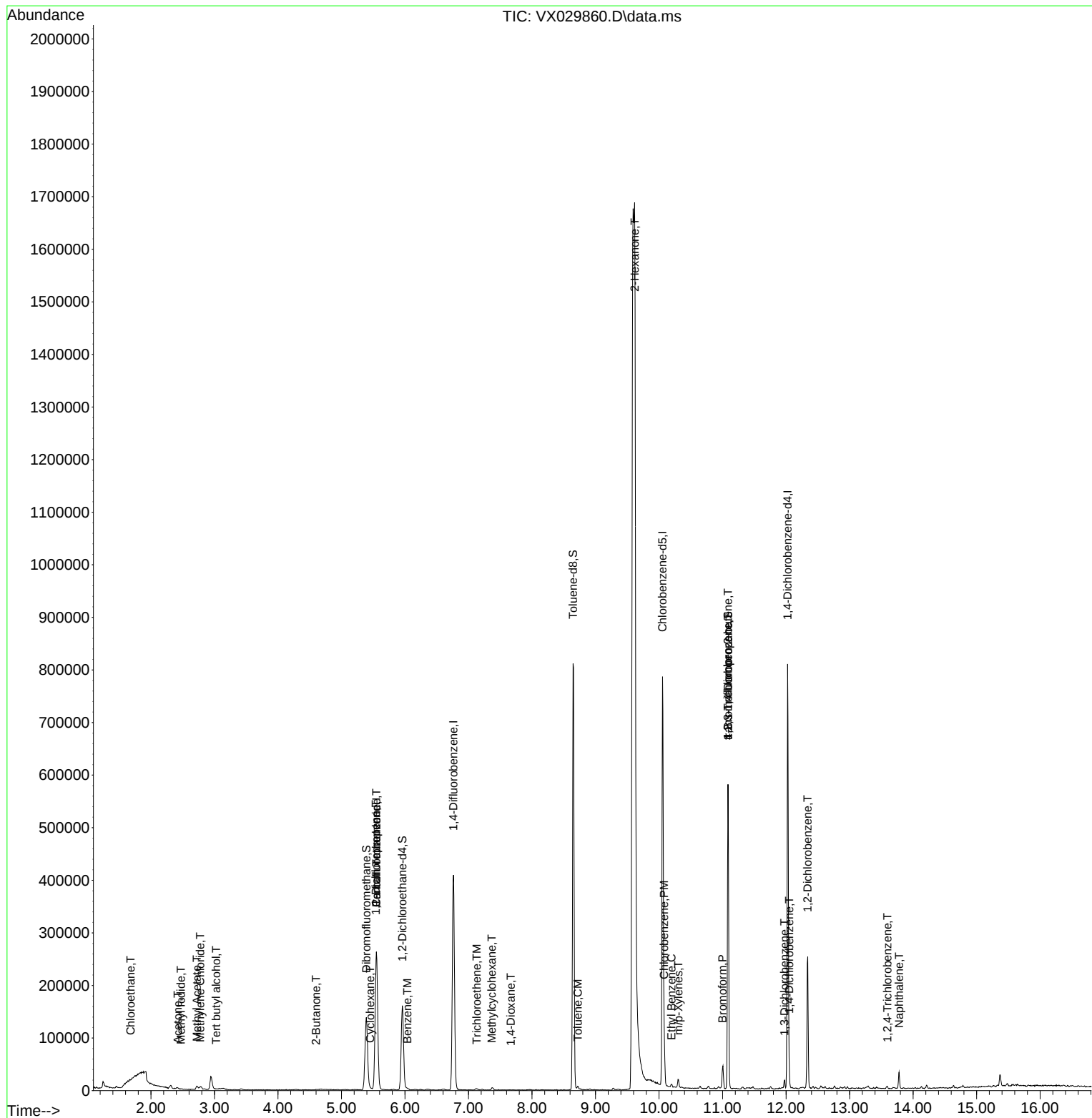
Internal Standards						
1) Pentafluorobenzene	5.550	168	263846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	444998	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	378360	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	171750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	141829	42.466	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.940%		
35) Dibromofluoromethane	5.391	113	122791	44.153	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.300%		
50) Toluene-d8	8.647	98	505669	48.469	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.940%		
62) 4-Bromofluorobenzene	11.085	95	163543	44.346	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.700%		
Target Compounds					Qvalue	
6) Chloroethane	1.678	64	378	1.207	ug/l #	4
10) Methyl Iodide	2.471	142	39	1.884	ug/l #	45
11) Tert butyl alcohol	3.026	59	1395	1.597	ug/l #	83
13) Acrolein	2.251	56	144	Below Cal	#	1
16) Acetone	2.422	43	3205	1.961	ug/l	97
18) Methyl Acetate	2.721	43	11322	2.248	ug/l #	86
20) Methylene Chloride	2.776	84	1139	0.330	ug/l #	93
25) 2-Butanone	4.599	43	1282	0.452	ug/l	98
31) Cyclohexane	5.452	56	2126	0.457	ug/l #	73
36) 1,1-Dichloropropene	5.544	75	19381	5.240	ug/l #	40
38) Carbon Tetrachloride	5.550	117	23818	7.432	ug/l #	17
39) Methylcyclohexane	7.366	83	2159	0.483	ug/l #	80
40) Benzene	6.037	78	3604	0.301	ug/l	98
44) Trichloroethene	7.129	130	1098	0.341	ug/l	90
49) 1,4-Dioxane	7.665	88	24	0.281	ug/l #	1
52) Toluene	8.720	92	2236	0.310	ug/l	91
59) 2-Hexanone	9.616	43	858633	220.263	ug/l #	24
65) Chlorobenzene	10.079	112	35576	4.684	ug/l	98
67) Ethyl Benzene	10.195	91	2808	0.213	ug/l #	87
68) m/p-Xylenes	10.305	106	3649	0.720	ug/l	93
71) Bromoform	11.000	173	1478	0.817	ug/l #	66
76) 1,2,3-Trichloropropane	11.085	75	77693	18.897	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	77693	60.012	ug/l #	13
87) 1,3-Dichlorobenzene	11.975	146	4375	0.762	ug/l	93
88) 1,4-Dichlorobenzene	12.049	146	12713	2.171	ug/l	86
91) 1,2-Dichlorobenzene	12.341	146	80709	14.315	ug/l	99
93) 1,2,4-Trichlorobenzene	13.597	180	719	0.210	ug/l #	83
95) Naphthalene	13.780	128	18924	1.364	ug/l	99

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

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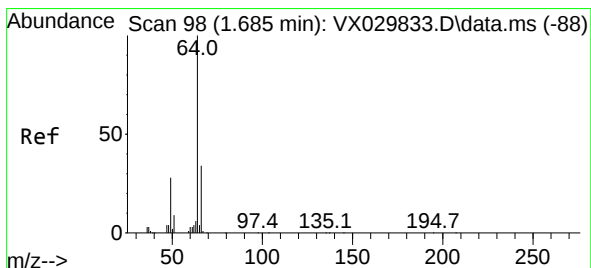
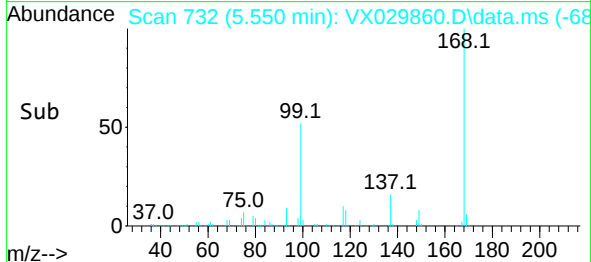
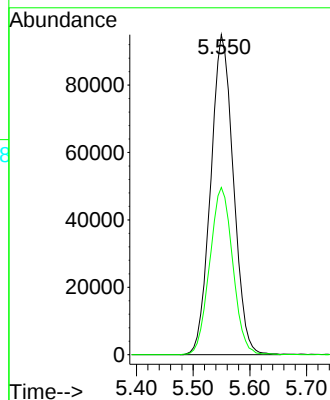
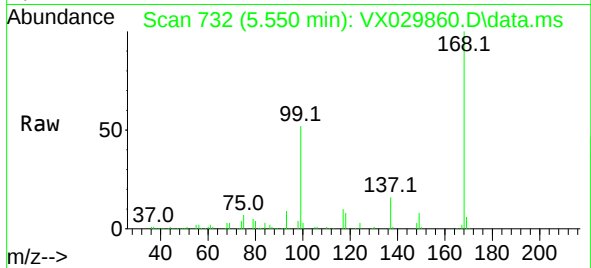




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX029860.D
Acq: 29 Jun 2022 14:33

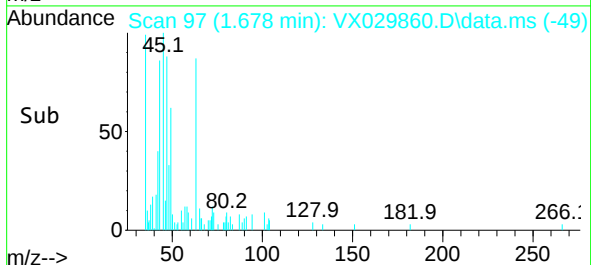
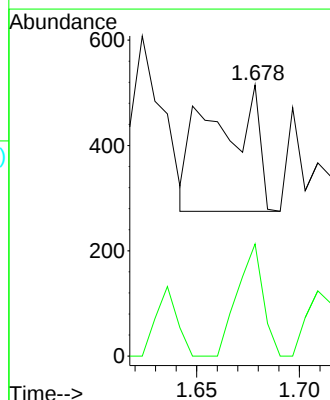
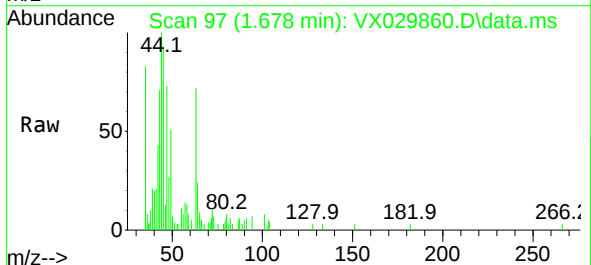
Instrument :
MSVOA_X
ClientSampleId :
SP-EXC-1-1-GR

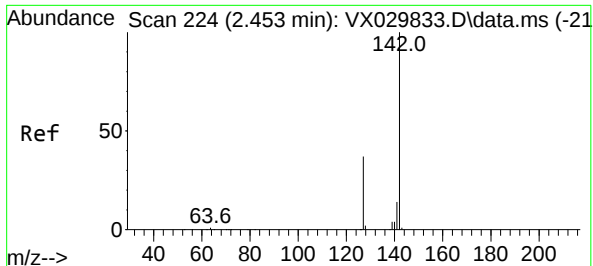
Tgt Ion:168 Resp: 263846
Ion Ratio Lower Upper
168 100
99 52.3 44.0 66.0



#6
Chloroethane
Concen: 1.207 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.007 min
Lab File: VX029860.D
Acq: 29 Jun 2022 14:33

Tgt Ion: 64 Resp: 378
Ion Ratio Lower Upper
64 100
66 88.8 27.2 40.8#





#10

Methyl Iodide

Concen: 1.884 ug/l

RT: 2.471 min Scan# 21

Delta R.T. 0.018 min

Lab File: VX029860.D

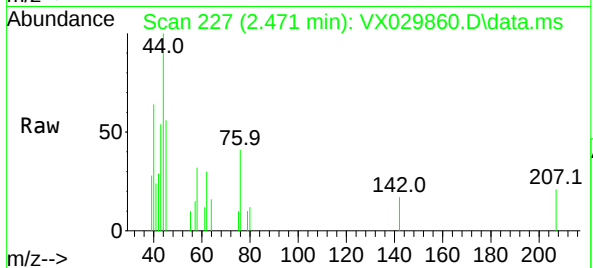
Acq: 29 Jun 2022 14:33

Instrument :

MSVOA_X

ClientSampleId :

SP-EXC-1-1-GR



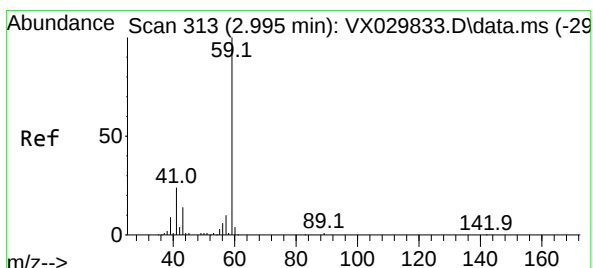
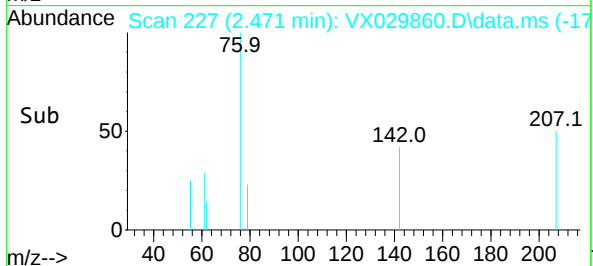
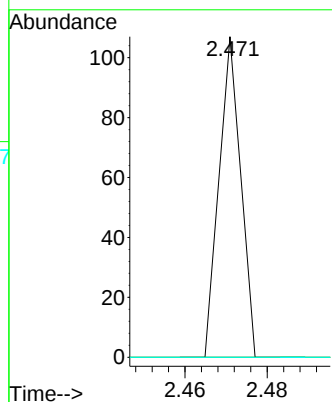
Tgt Ion:142 Resp: 39

Ion Ratio Lower Upper

142 100

127 0.0 30.2 45.2#

141 0.0 11.3 16.9#



#11

Tert butyl alcohol

Concen: 1.597 ug/l

RT: 3.026 min Scan# 318

Delta R.T. 0.030 min

Lab File: VX029860.D

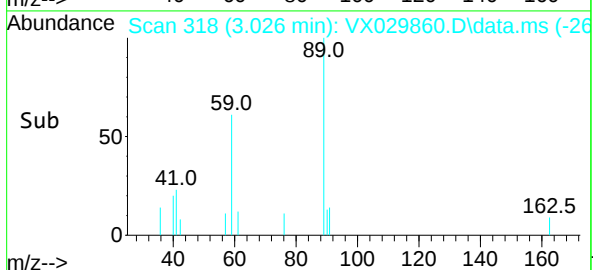
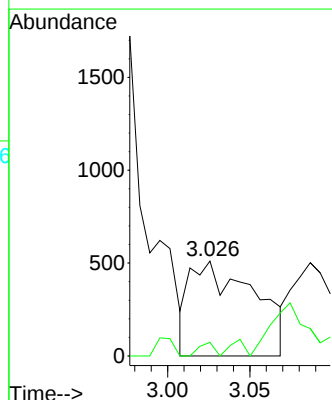
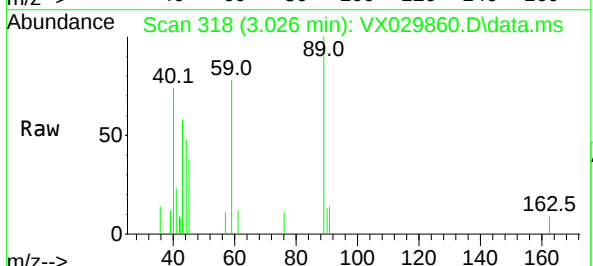
Acq: 29 Jun 2022 14:33

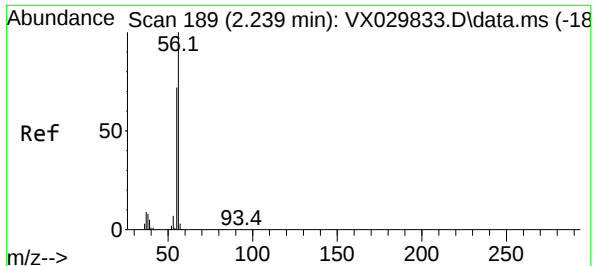
Tgt Ion: 59 Resp: 1395

Ion Ratio Lower Upper

59 100

57 3.2 7.4 11.2#





#13

Acrolein

Concen: Below Cal

RT: 2.251 min Scan# 191

Delta R.T. 0.012 min

Lab File: VX029860.D

Acq: 29 Jun 2022 14:33

Instrument :

MSVOA_X

ClientSampleId :

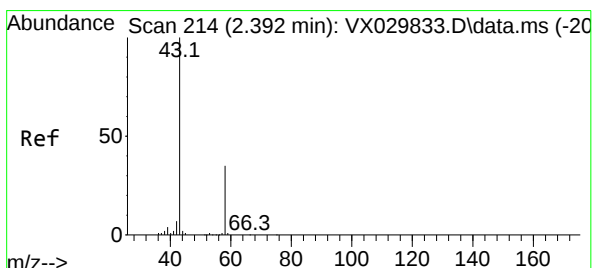
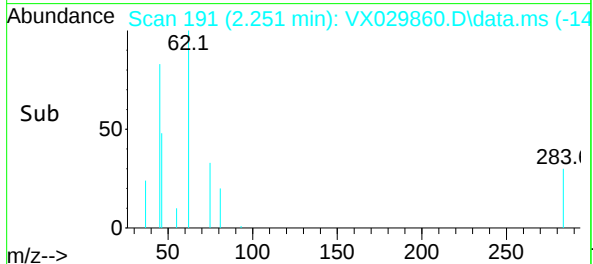
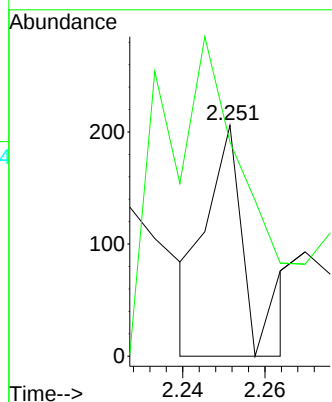
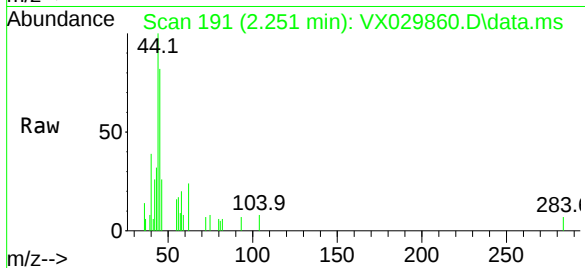
SP-EXC-1-1-GR

Tgt Ion: 56 Resp: 144

Ion Ratio Lower Upper

56 100

55 339.6 56.6 84.8#



#16

Acetone

Concen: 1.961 ug/l

RT: 2.422 min Scan# 219

Delta R.T. 0.030 min

Lab File: VX029860.D

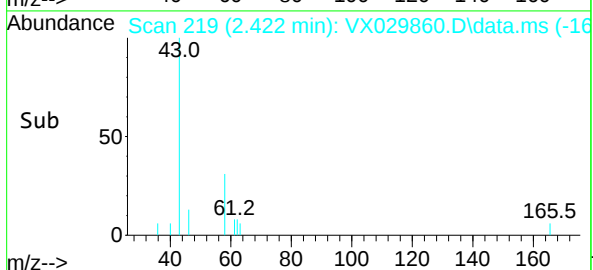
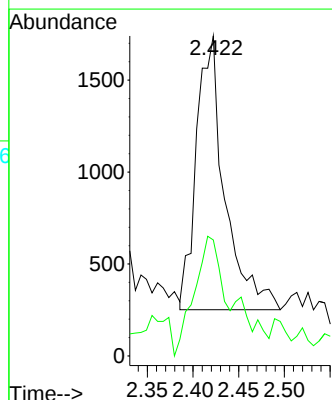
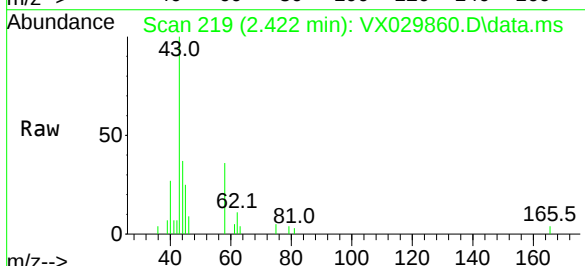
Acq: 29 Jun 2022 14:33

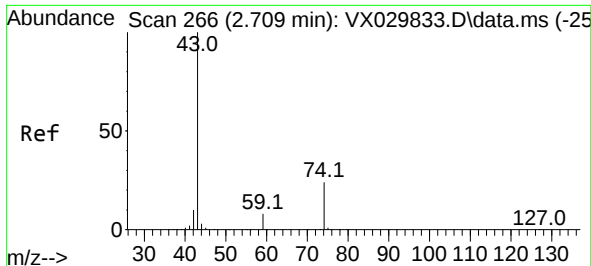
Tgt Ion: 43 Resp: 3205

Ion Ratio Lower Upper

43 100

58 36.3 27.7 41.5

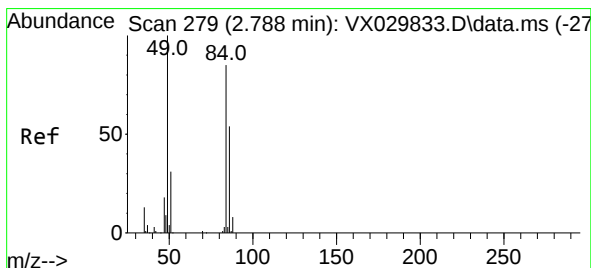
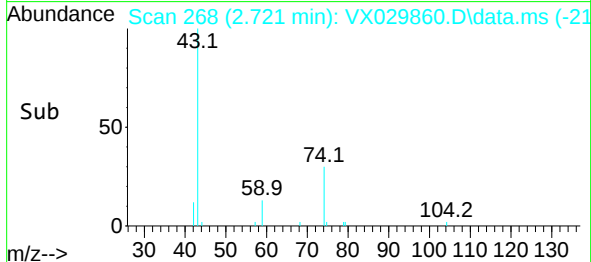
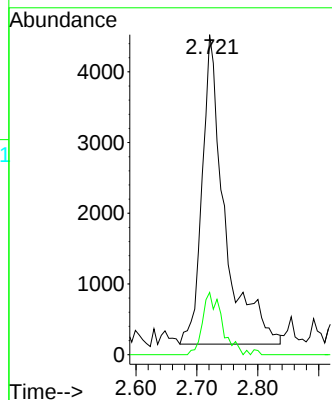
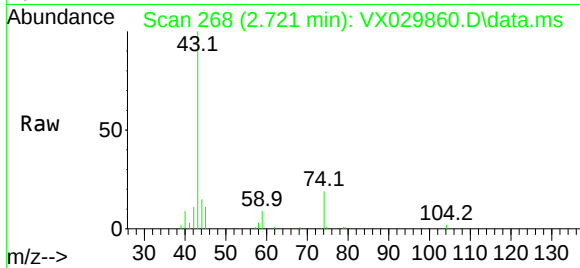




#18
Methyl Acetate
Concen: 2.248 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX029860.D
Acq: 29 Jun 2022 14:33

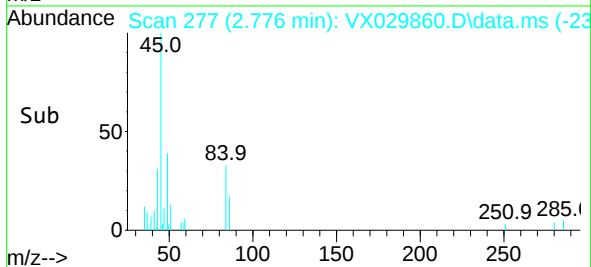
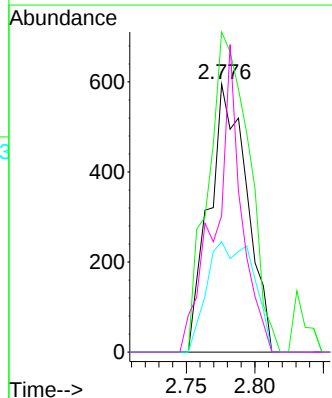
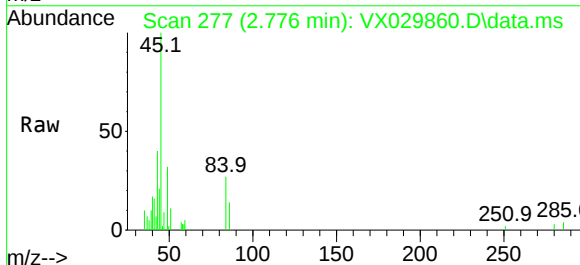
Instrument :
MSVOA_X
ClientSampleId :
SP-EXC-1-1-GR

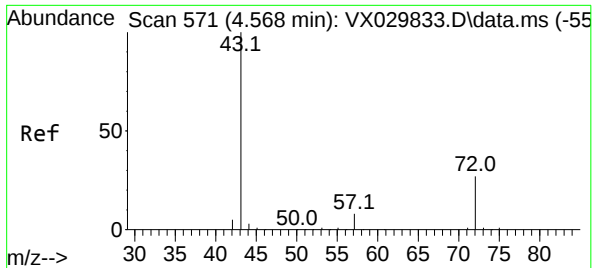
Tgt Ion: 43 Resp: 11322
Ion Ratio Lower Upper
43 100
74 17.4 19.4 29.2#



#20
Methylene Chloride
Concen: 0.330 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.012 min
Lab File: VX029860.D
Acq: 29 Jun 2022 14:33

Tgt Ion: 84 Resp: 1139
Ion Ratio Lower Upper
84 100
49 119.5 93.8 140.6
51 41.2 29.4 44.0
86 50.9 51.0 76.4#

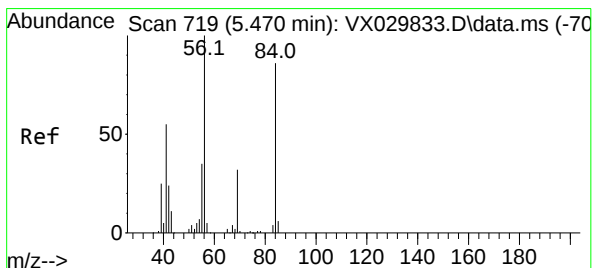
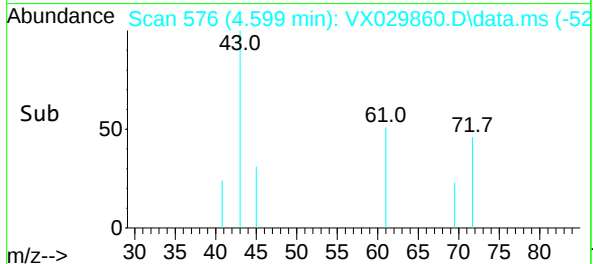
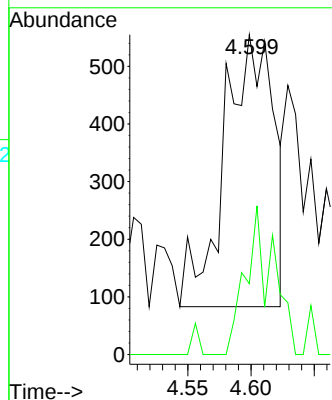
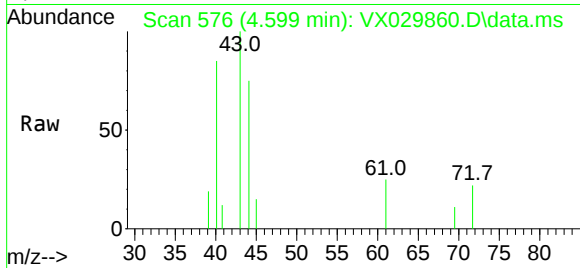




#25
2-Butanone
Concen: 0.452 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX029860.D
Acq: 29 Jun 2022 14:33

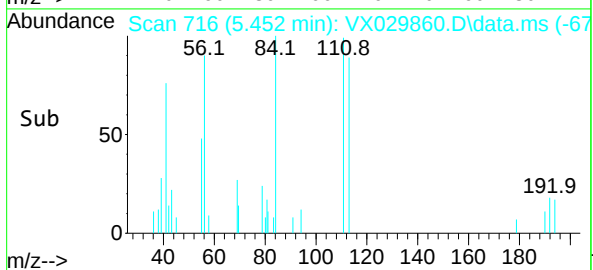
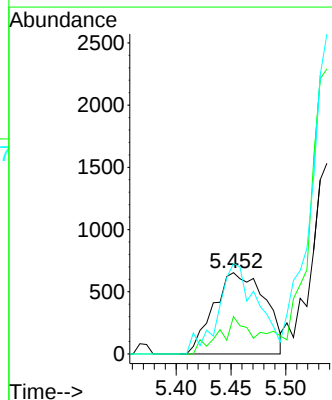
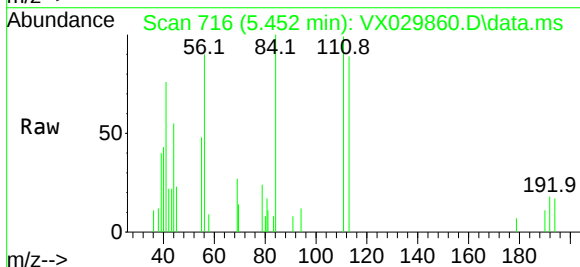
Instrument :
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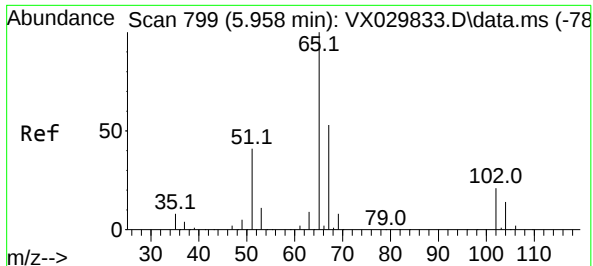
Tgt Ion: 43 Resp: 1282
Ion Ratio Lower Upper
43 100
72 26.1 21.7 32.5



#31
Cyclohexane
Concen: 0.457 ug/l
RT: 5.452 min Scan# 716
Delta R.T. -0.018 min
Lab File: VX029860.D
Acq: 29 Jun 2022 14:33

Tgt Ion: 56 Resp: 2126
Ion Ratio Lower Upper
56 100
69 45.9 25.4 38.0#
84 111.3 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 42.466 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX029860.D

Acq: 29 Jun 2022 14:33

Instrument :

MSVOA_X

ClientSampleId :

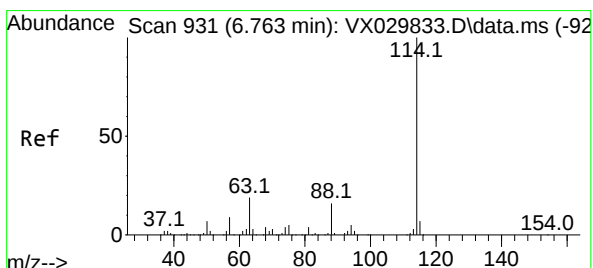
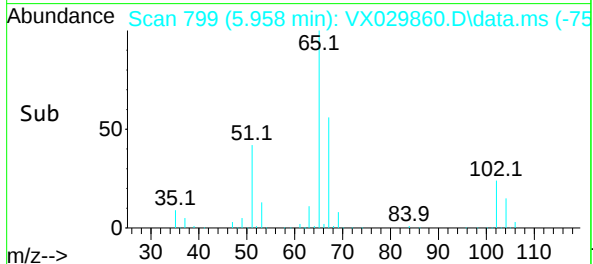
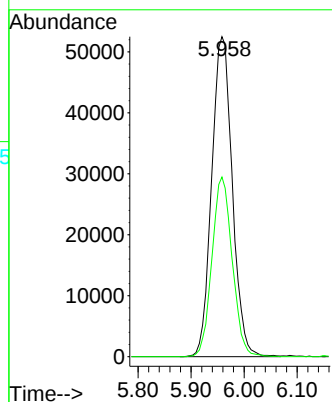
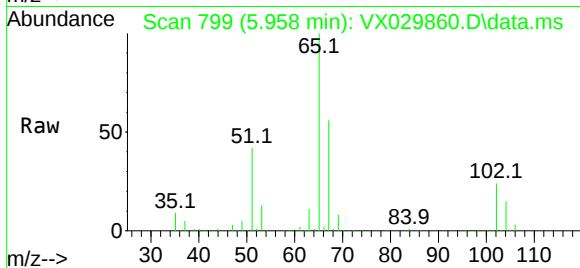
SP-EXC-1-1-GR

Tgt Ion: 65 Resp: 141829

Ion Ratio Lower Upper

65 100

67 55.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX029860.D

Acq: 29 Jun 2022 14:33

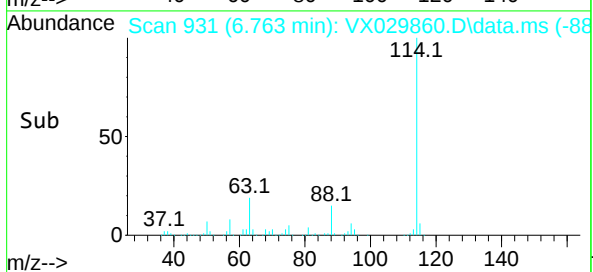
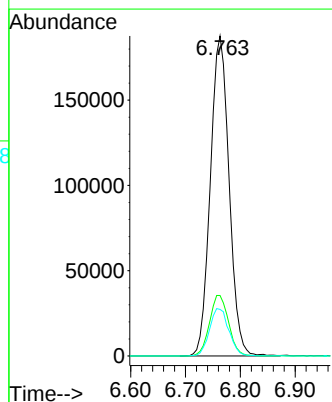
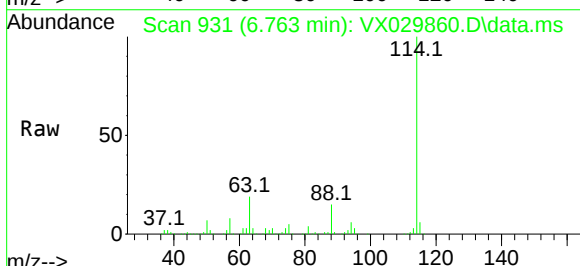
Tgt Ion: 114 Resp: 444998

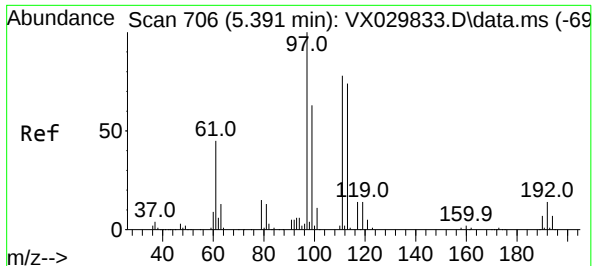
Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.4

88 14.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 44.153 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX029860.D

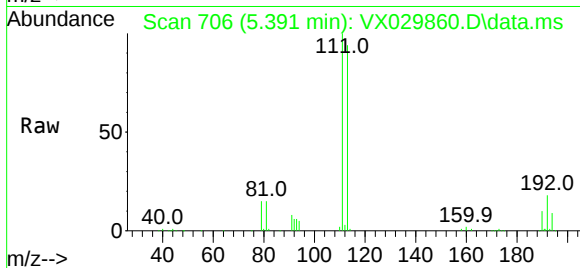
Acq: 29 Jun 2022 14:33

Instrument :

MSVOA_X

ClientSampleId :

SP-EXC-1-1-GR



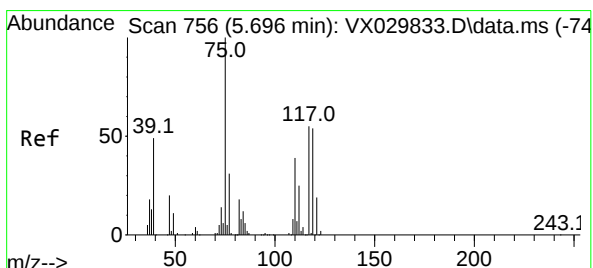
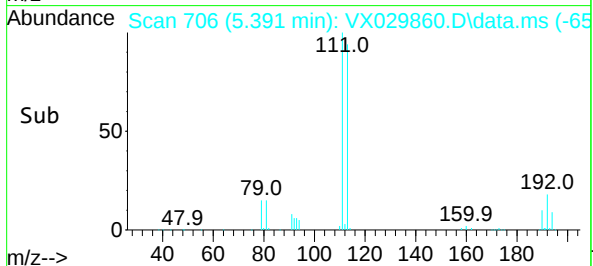
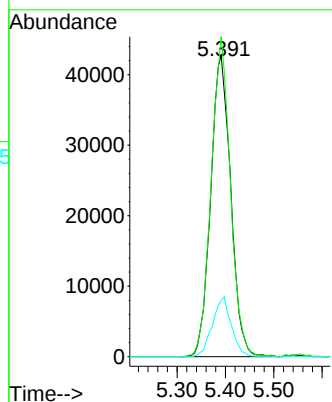
Tgt Ion:113 Resp: 122791

Ion Ratio Lower Upper

113 100

111 102.2 83.2 124.8

192 18.7 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.240 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.152 min

Lab File: VX029860.D

Acq: 29 Jun 2022 14:33

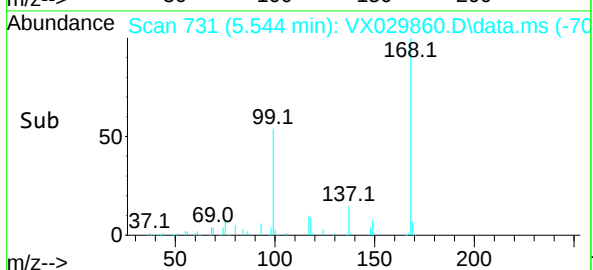
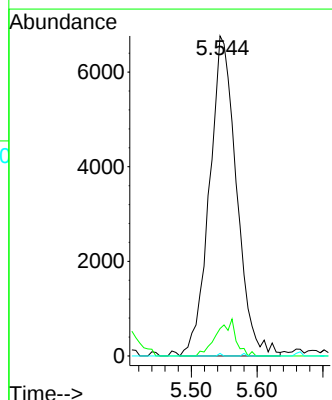
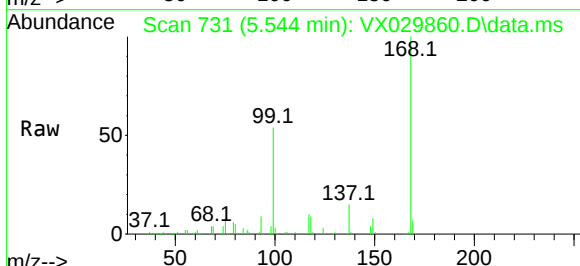
Tgt Ion: 75 Resp: 19381

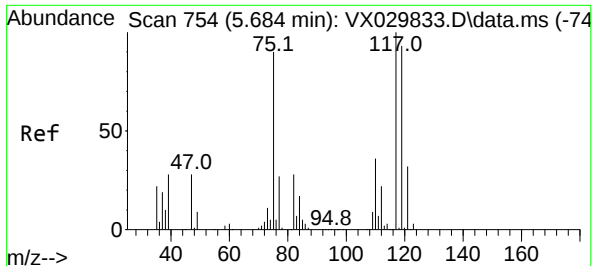
Ion Ratio Lower Upper

75 100

110 0.0 19.3 57.9#

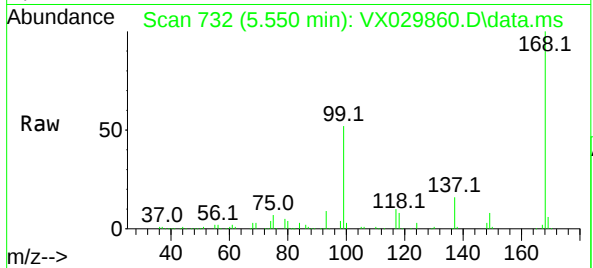
77 0.1 24.4 36.6#



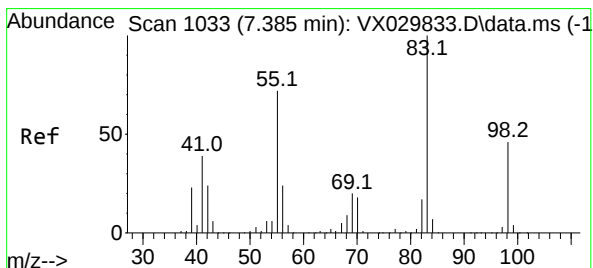
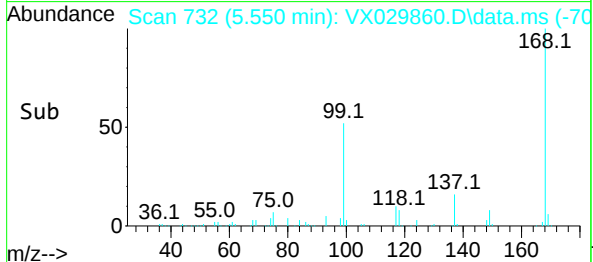
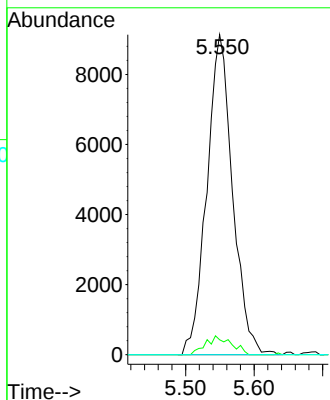


#38
Carbon Tetrachloride
Concen: 7.432 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX029860.D
Acq: 29 Jun 2022 14:33

Instrument :
MSVOA_X
ClientSampleId :
SP-EXC-1-1-GR

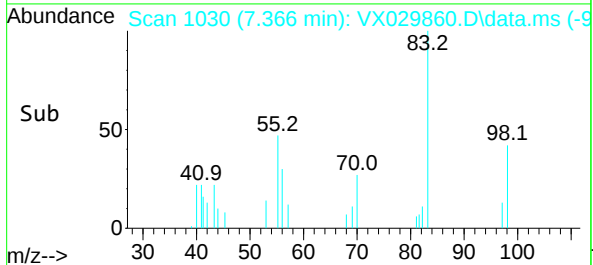
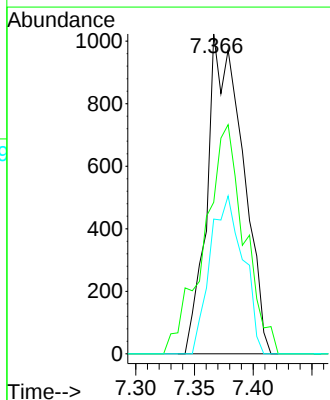
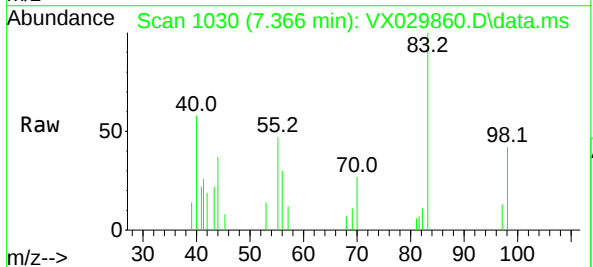


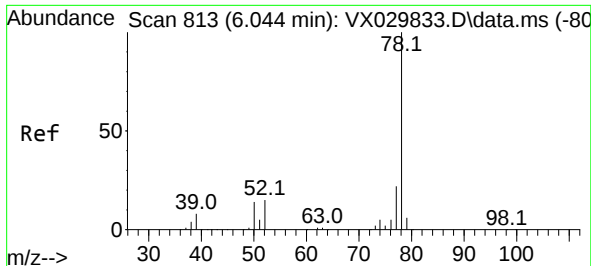
Tgt Ion:117 Resp: 23818
Ion Ratio Lower Upper
117 100
119 4.7 74.1 111.1#
121 0.0 25.8 38.8#



#39
Methylcyclohexane
Concen: 0.483 ug/l
RT: 7.366 min Scan# 1030
Delta R.T. -0.018 min
Lab File: VX029860.D
Acq: 29 Jun 2022 14:33

Tgt Ion: 83 Resp: 2159
Ion Ratio Lower Upper
83 100
55 47.4 57.7 86.5#
98 42.1 36.5 54.7

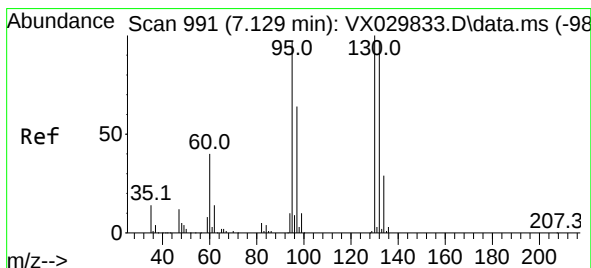
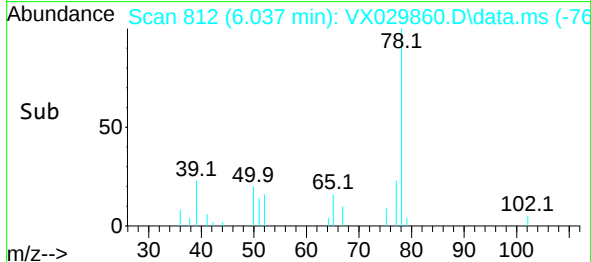
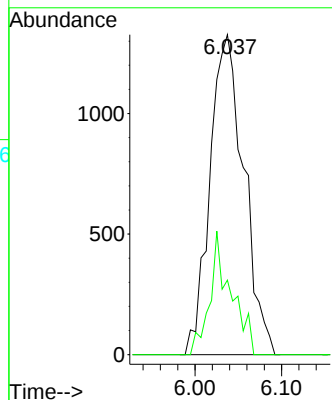
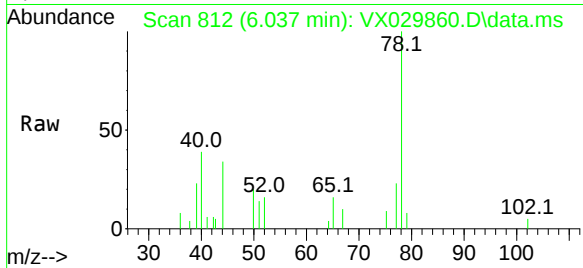




#40
Benzene
Concen: 0.301 ug/l
RT: 6.037 min Scan# 813
Delta R.T. -0.006 min
Lab File: VX029860.D
Acq: 29 Jun 2022 14:33

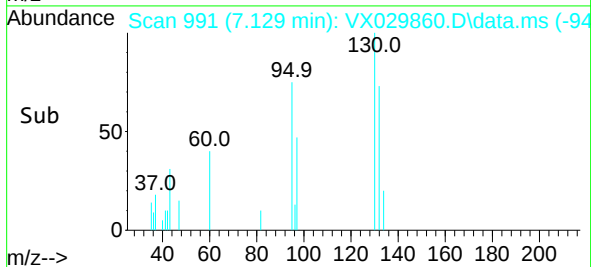
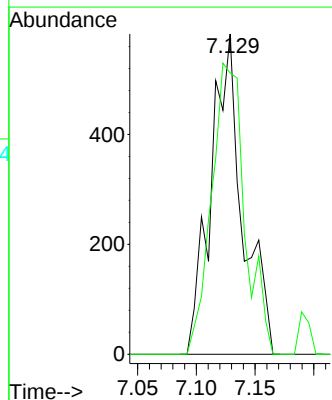
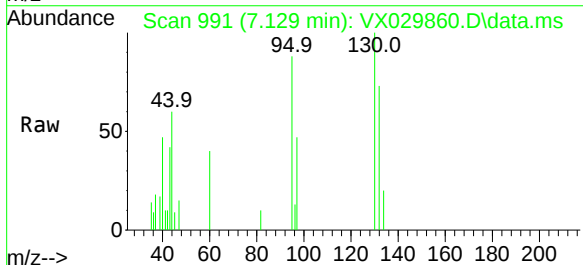
Instrument :
MSVOA_X
ClientSampleId :
SP-EXC-1-1-GR

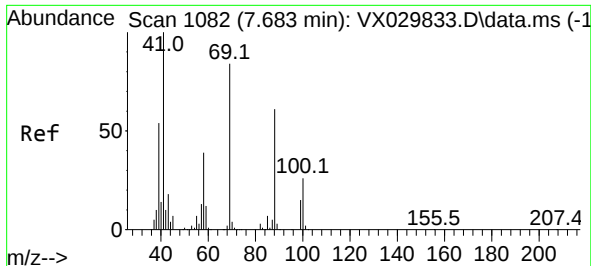
Tgt Ion: 78 Resp: 3604
Ion Ratio Lower Upper
78 100
77 23.3 18.0 27.0



#44
Trichloroethene
Concen: 0.341 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029860.D
Acq: 29 Jun 2022 14:33

Tgt Ion:130 Resp: 1098
Ion Ratio Lower Upper
130 100
95 87.8 0.0 194.8





#49

1,4-Dioxane

Concen: 0.281 ug/l

RT: 7.665 min Scan# 1082

Delta R.T. -0.018 min

Lab File: VX029860.D

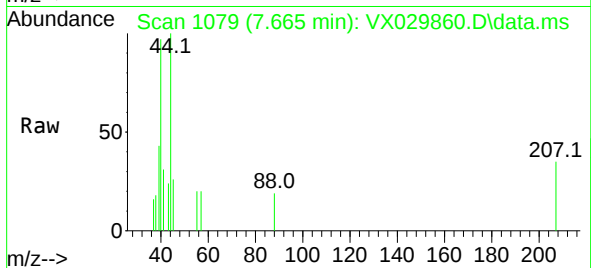
Acq: 29 Jun 2022 14:33

Instrument :

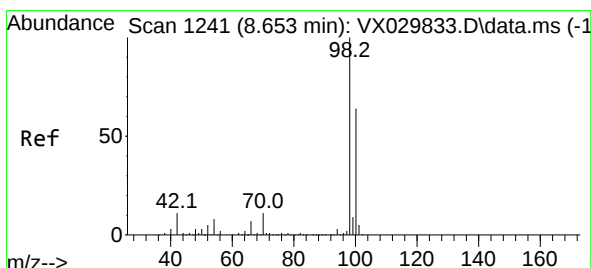
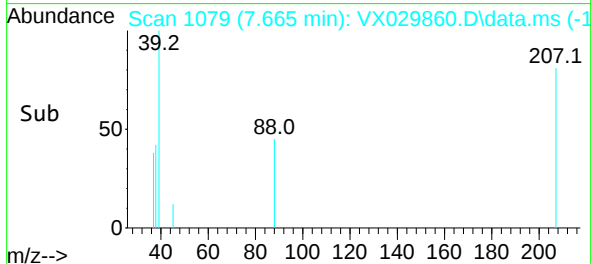
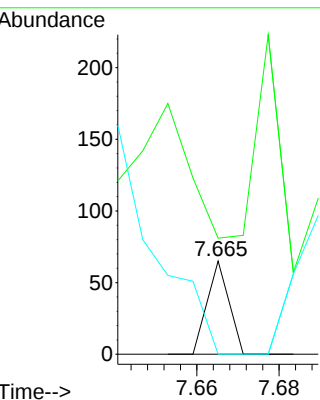
MSVOA_X

ClientSampleId :

SP-EXC-1-1-GR



Tgt Ion:	88	Resp:	24
Ion	Ratio	Lower	Upper
88	100		
43	437.5	23.8	35.8#
58	0.0	53.8	80.6#



#50

Toluene-d8

Concen: 48.469 ug/l

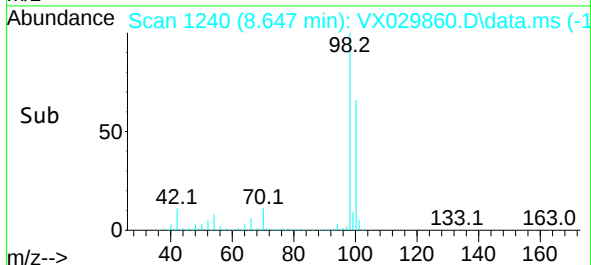
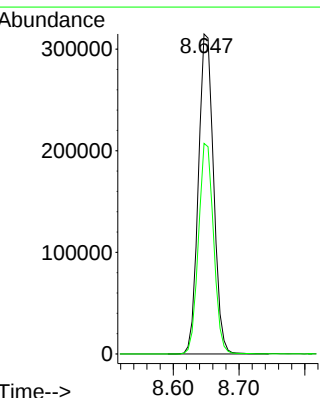
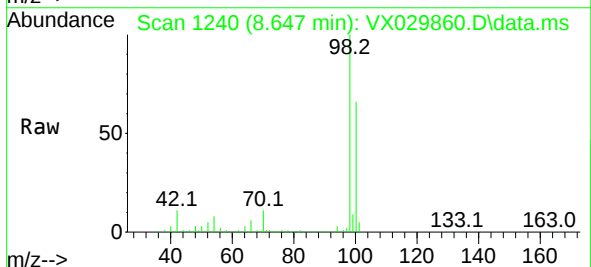
RT: 8.647 min Scan# 1240

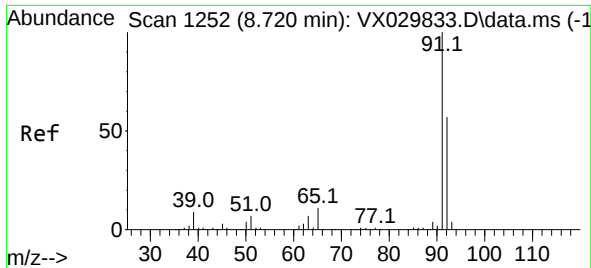
Delta R.T. -0.006 min

Lab File: VX029860.D

Acq: 29 Jun 2022 14:33

Tgt Ion:	98	Resp:	505669
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.3	78.5

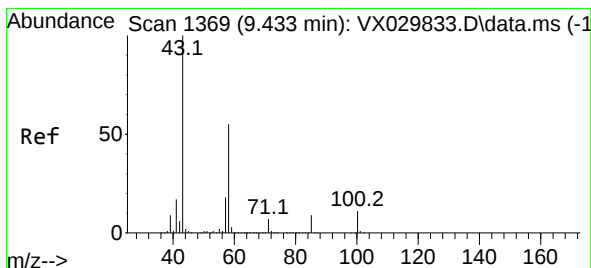
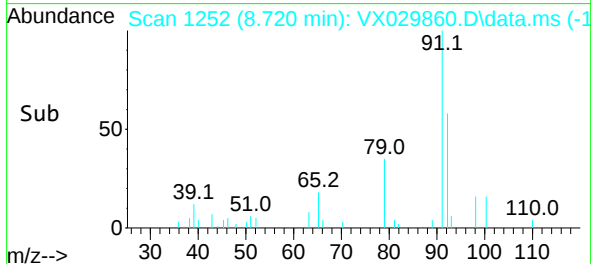
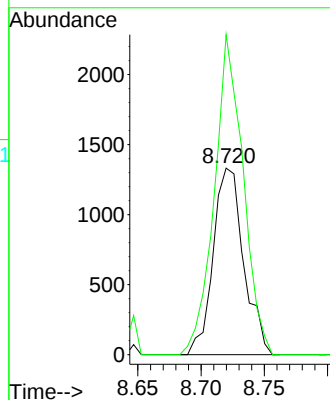
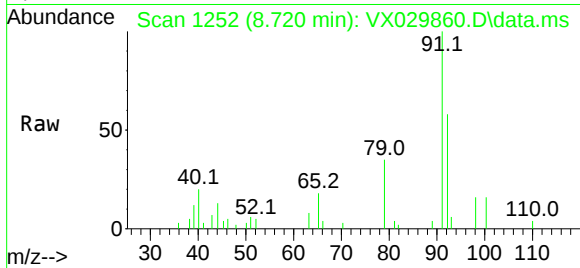




#52
Toluene
Concen: 0.310 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029860.D
Acq: 29 Jun 2022 14:33

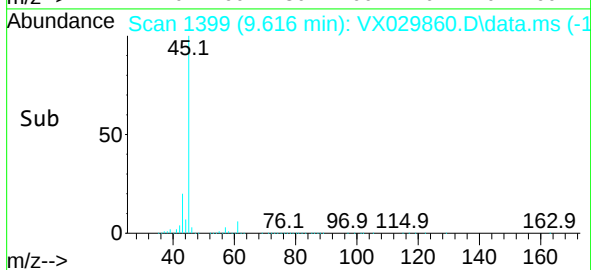
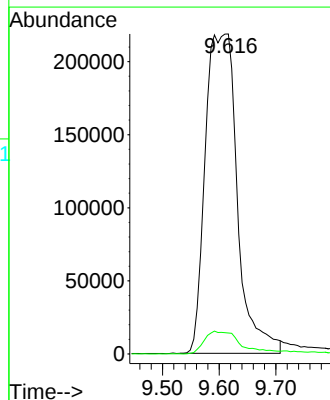
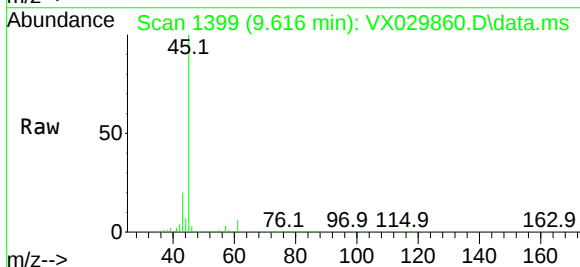
Instrument :
MSVOA_X
ClientSampleId :
SP-EXC-1-1-GR

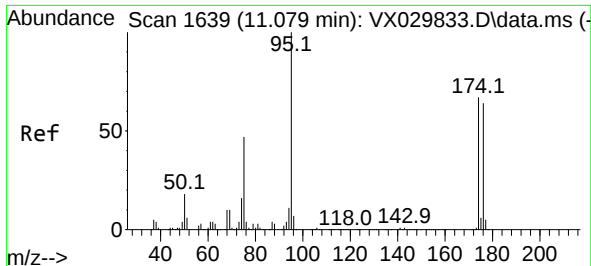
Tgt Ion: 92 Resp: 2236
Ion Ratio Lower Upper
92 100
91 162.0 139.2 208.8



#59
2-Hexanone
Concen: 220.263 ug/l
RT: 9.616 min Scan# 1399
Delta R.T. 0.183 min
Lab File: VX029860.D
Acq: 29 Jun 2022 14:33

Tgt Ion: 43 Resp: 858633
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.8#

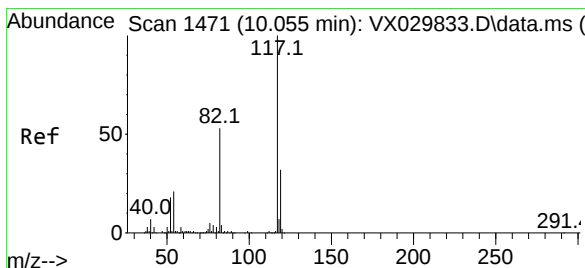
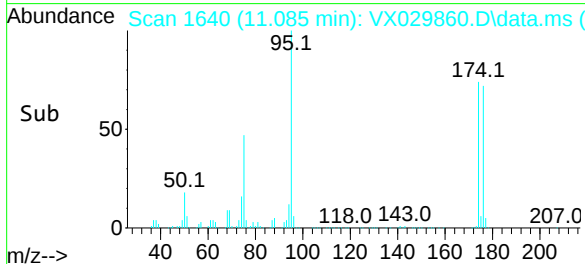
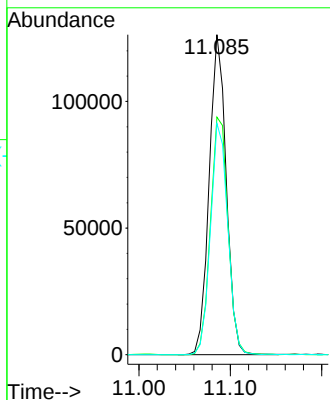
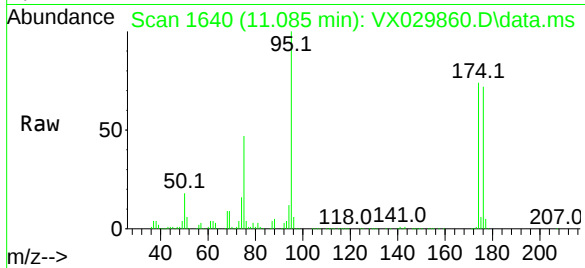




#62
4-Bromofluorobenzene
Concen: 44.346 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX029860.D
Acq: 29 Jun 2022 14:33

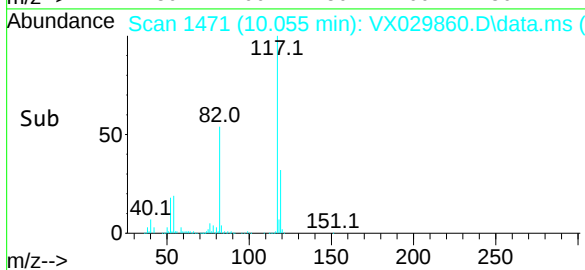
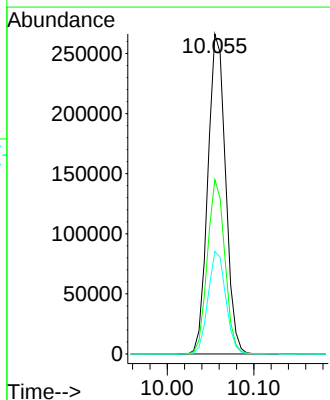
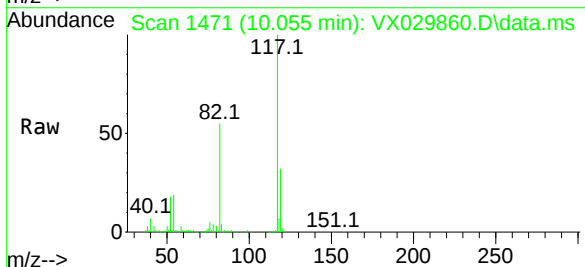
Instrument :
MSVOA_X
ClientSampleId :
SP-EXC-1-1-GR

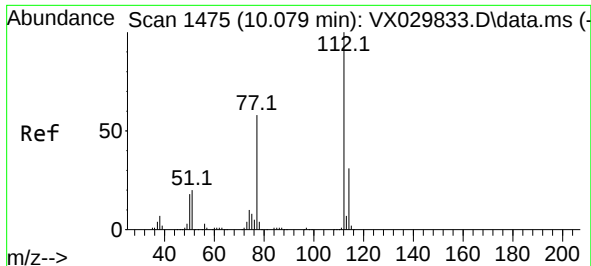
Tgt Ion: 95 Resp: 163543
Ion Ratio Lower Upper
95 100
174 76.6 0.0 149.0
176 73.4 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029860.D
Acq: 29 Jun 2022 14:33

Tgt Ion: 117 Resp: 378360
Ion Ratio Lower Upper
117 100
82 54.5 42.7 64.1
119 32.0 25.4 38.2

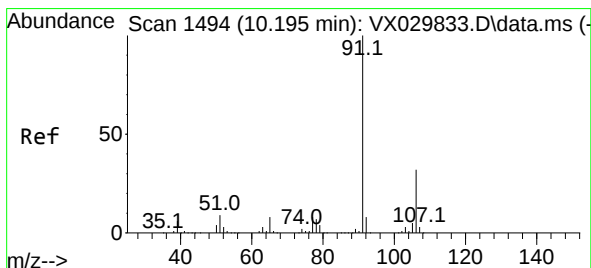
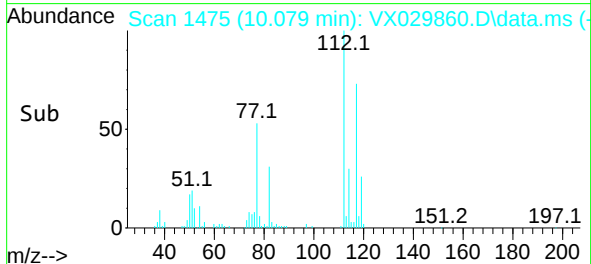
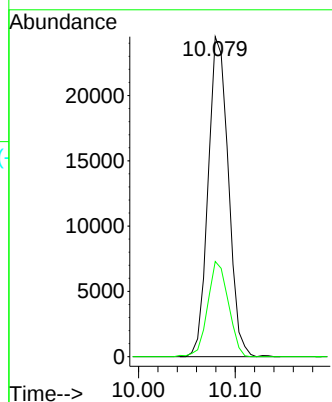
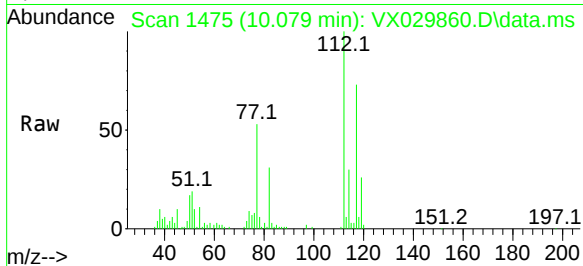




#65
Chlorobenzene
Concen: 4.684 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX029860.D
Acq: 29 Jun 2022 14:33

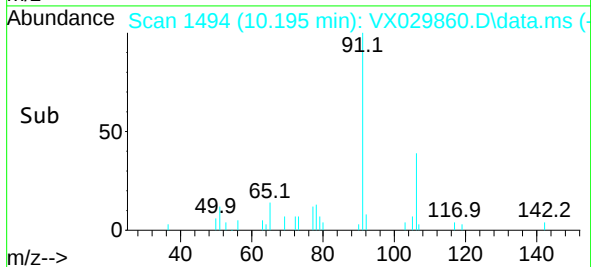
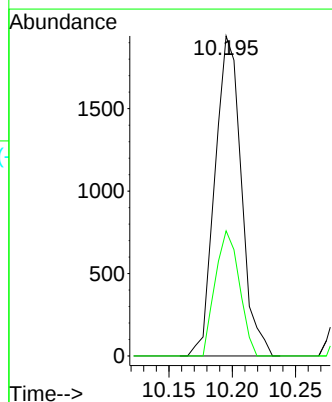
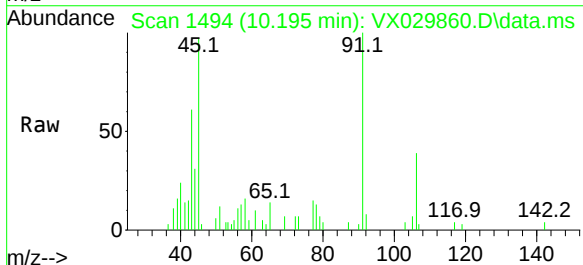
Instrument :
MSVOA_X
ClientSampleId :
SP-EXC-1-1-GR

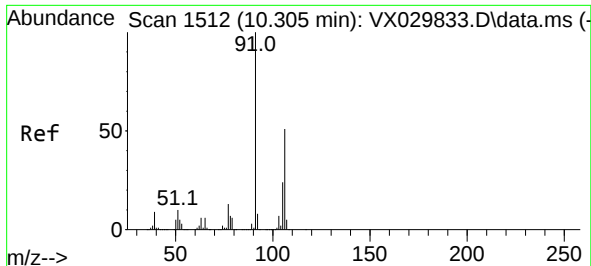
Tgt Ion:112 Resp: 35576
Ion Ratio Lower Upper
112 100
114 29.8 24.6 36.8



#67
Ethyl Benzene
Concen: 0.213 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX029860.D
Acq: 29 Jun 2022 14:33

Tgt Ion: 91 Resp: 2808
Ion Ratio Lower Upper
91 100
106 39.1 25.5 38.3#

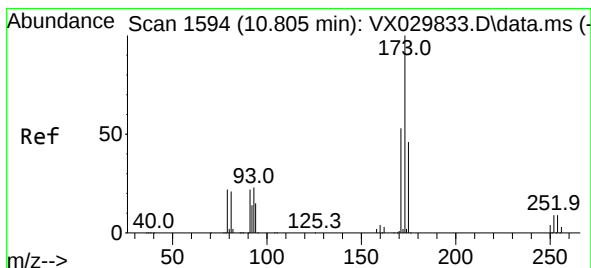
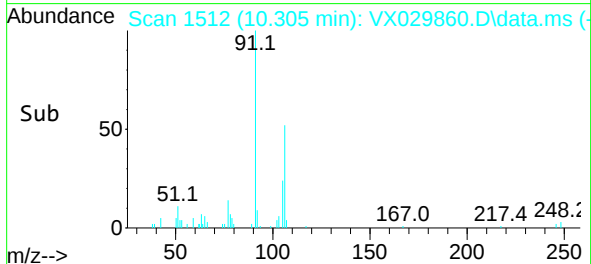
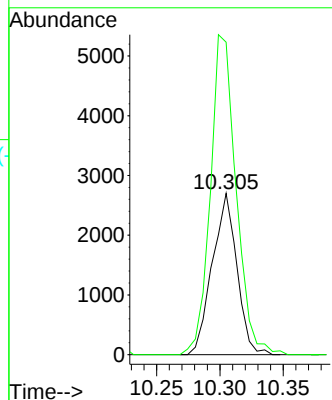
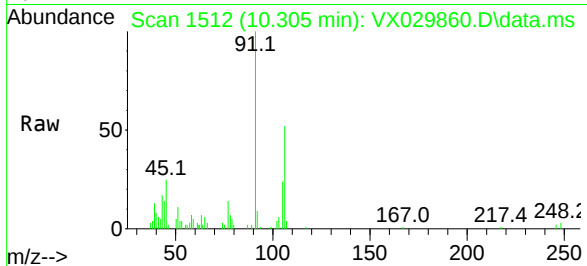




#68
m/p-Xylenes
Concen: 0.720 ug/l
RT: 10.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029860.D
Acq: 29 Jun 2022 14:33

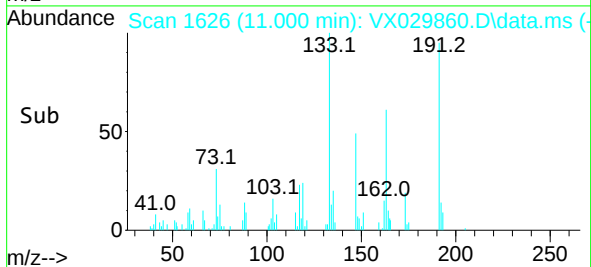
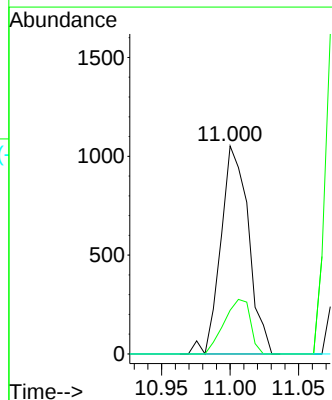
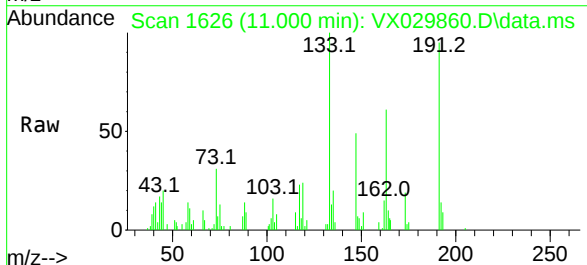
Instrument :
MSVOA_X
ClientSampleId :
SP-EXC-1-1-GR

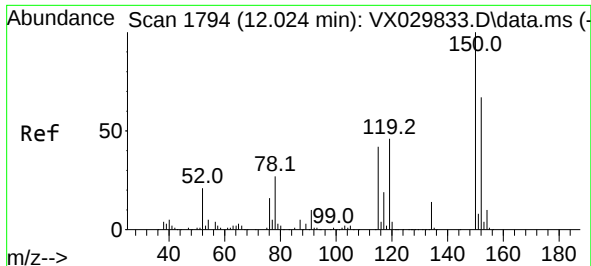
Tgt Ion:106 Resp: 3649
Ion Ratio Lower Upper
106 100
91 207.6 158.2 237.4



#71
Bromoform
Concen: 0.817 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. 0.195 min
Lab File: VX029860.D
Acq: 29 Jun 2022 14:33

Tgt Ion:173 Resp: 1478
Ion Ratio Lower Upper
173 100
175 24.8 23.8 71.2
254 0.0 0.1 0.1#

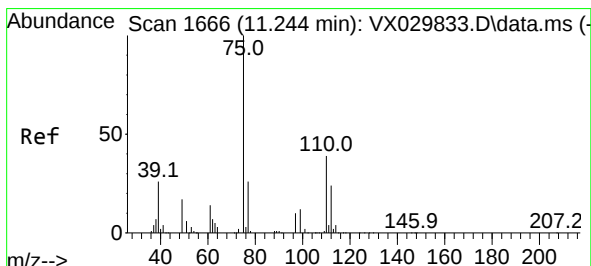
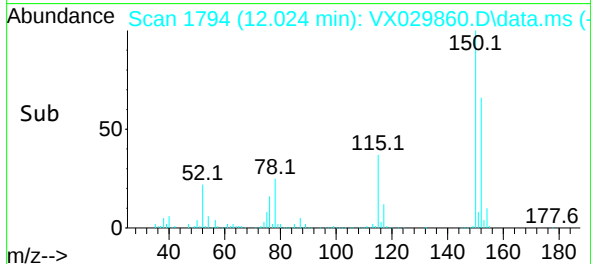
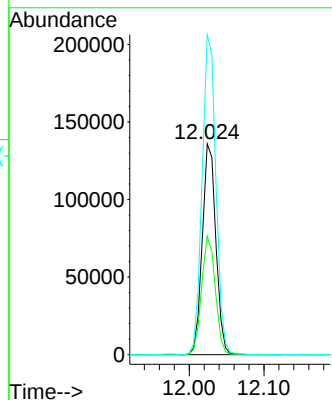
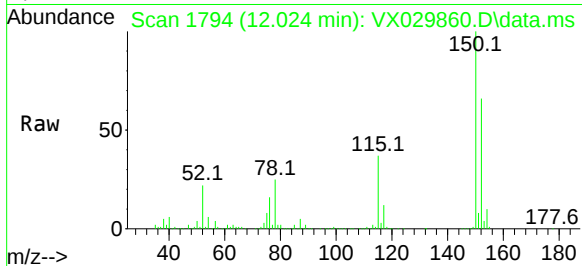




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX029860.D
 Acq: 29 Jun 2022 14:33

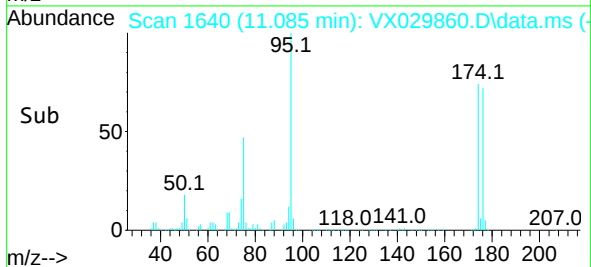
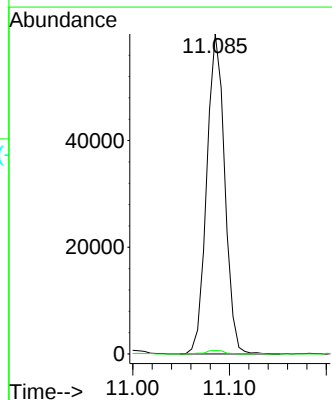
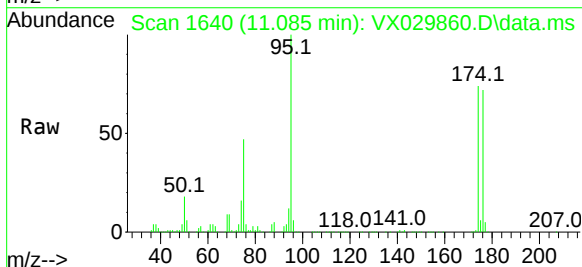
Instrument :
 MSVOA_X
 ClientSampleId :
 SP-EXC-1-1-GR

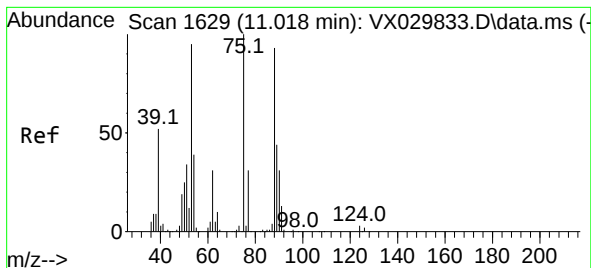
Tgt Ion:152 Resp: 171750
 Ion Ratio Lower Upper
 152 100
 115 56.6 40.5 121.5
 150 153.8 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 18.897 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX029860.D
 Acq: 29 Jun 2022 14:33

Tgt Ion: 75 Resp: 77693
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.8 59.3#

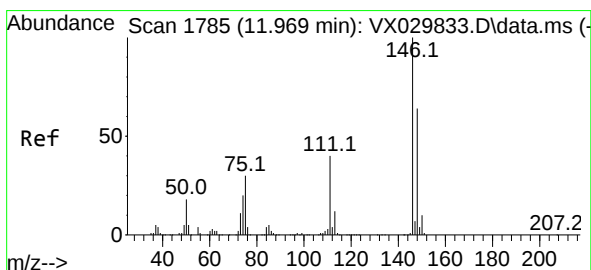
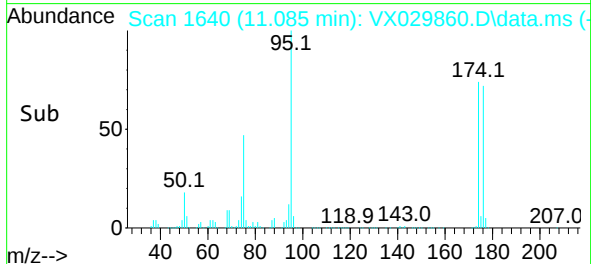
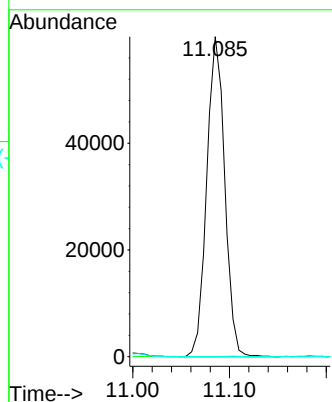
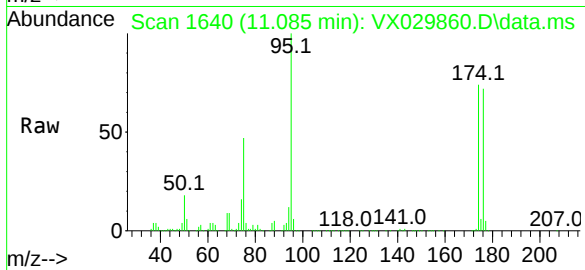




#81
trans-1,4-Dichloro-2-butene
Concen: 60.012 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX029860.D
Acq: 29 Jun 2022 14:33

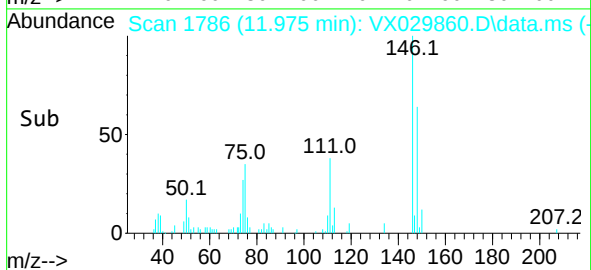
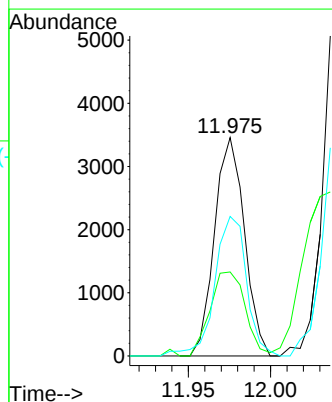
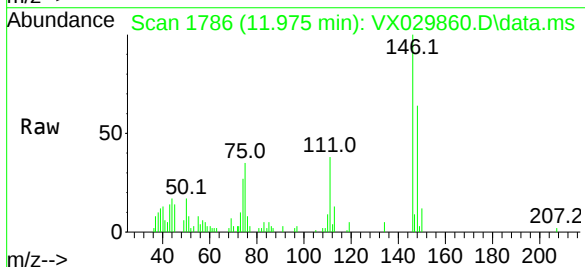
Instrument :
MSVOA_X
ClientSampleId :
SP-EXC-1-1-GR

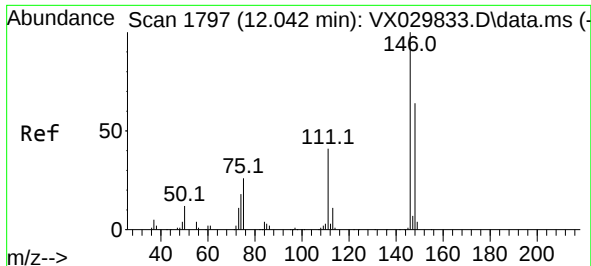
Tgt Ion: 75 Resp: 77693
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.8 52.2#



#87
1,3-Dichlorobenzene
Concen: 0.762 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX029860.D
Acq: 29 Jun 2022 14:33

Tgt Ion: 146 Resp: 4375
Ion Ratio Lower Upper
146 100
111 46.1 20.3 60.8
148 67.8 31.8 95.3

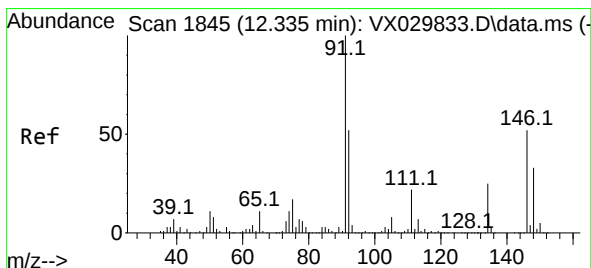
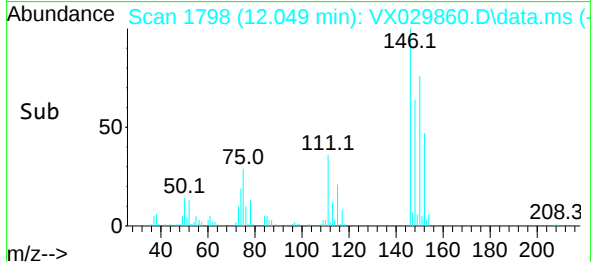
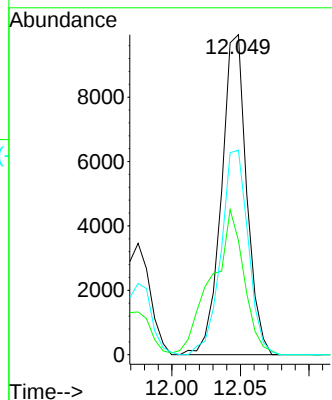
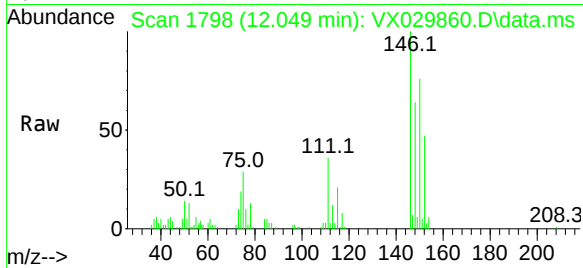




#88
1,4-Dichlorobenzene
Concen: 2.171 ug/l
RT: 12.049 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX029860.D
Acq: 29 Jun 2022 14:33

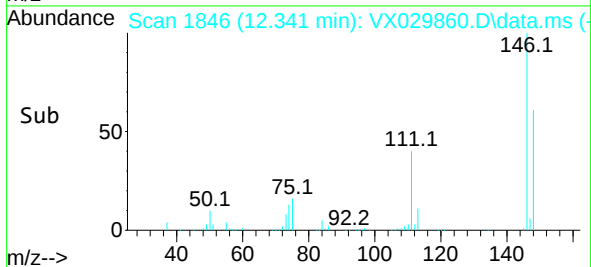
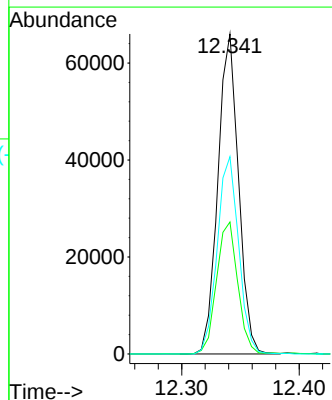
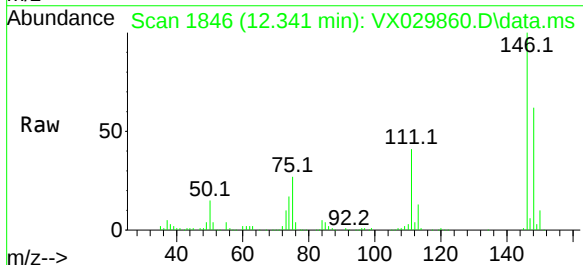
Instrument :
MSVOA_X
ClientSampleId :
SP-EXC-1-1-GR

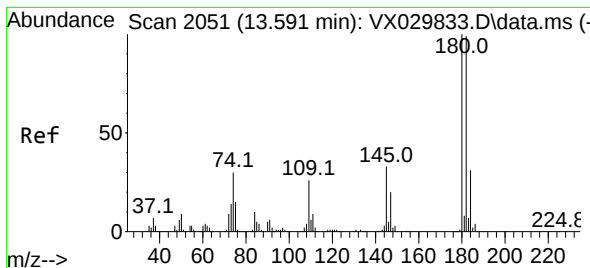
Tgt Ion:146 Resp: 12713
Ion Ratio Lower Upper
146 100
111 58.2 20.3 60.9
148 69.0 32.3 96.8



#91
1,2-Dichlorobenzene
Concen: 14.315 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX029860.D
Acq: 29 Jun 2022 14:33

Tgt Ion:146 Resp: 80709
Ion Ratio Lower Upper
146 100
111 42.6 20.7 62.1
148 64.1 32.0 96.2





#93

1,2,4-Trichlorobenzene

Concen: 0.210 ug/l

RT: 13.597 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX029860.D

Acq: 29 Jun 2022 14:33

Instrument :

MSVOA_X

ClientSampleId :

SP-EXC-1-1-GR

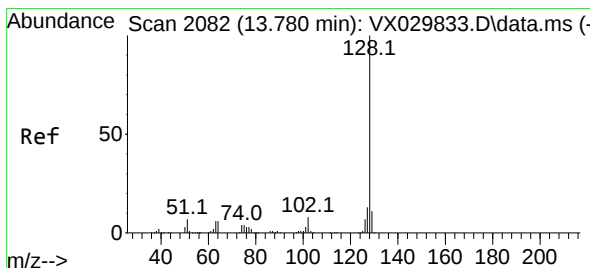
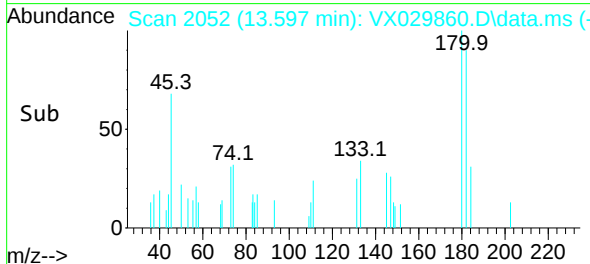
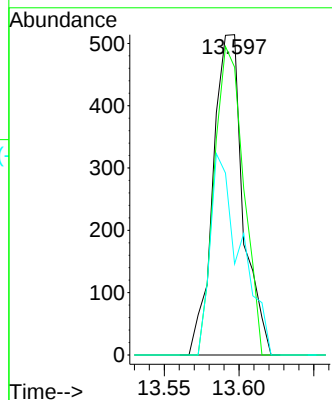
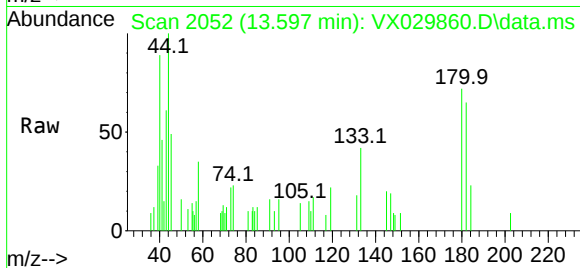
Tgt Ion:180 Resp: 719

Ion Ratio Lower Upper

180 100

182 93.2 48.2 144.6

145 63.6 15.9 47.6#



#95

Naphthalene

Concen: 1.364 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VX029860.D

Acq: 29 Jun 2022 14:33

Tgt Ion:128 Resp: 18924

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

129 10.4 8.6 13.0

