

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062922\
 Data File : VX029854.D
 Acq On : 29 Jun 2022 12:16
 Operator : JC/MD
 Sample : N3494-24DL 40X
 Misc : 6.27g/5.00mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-EXC-1-3-GRDL

Quant Time: Jun 29 15:01:52 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)

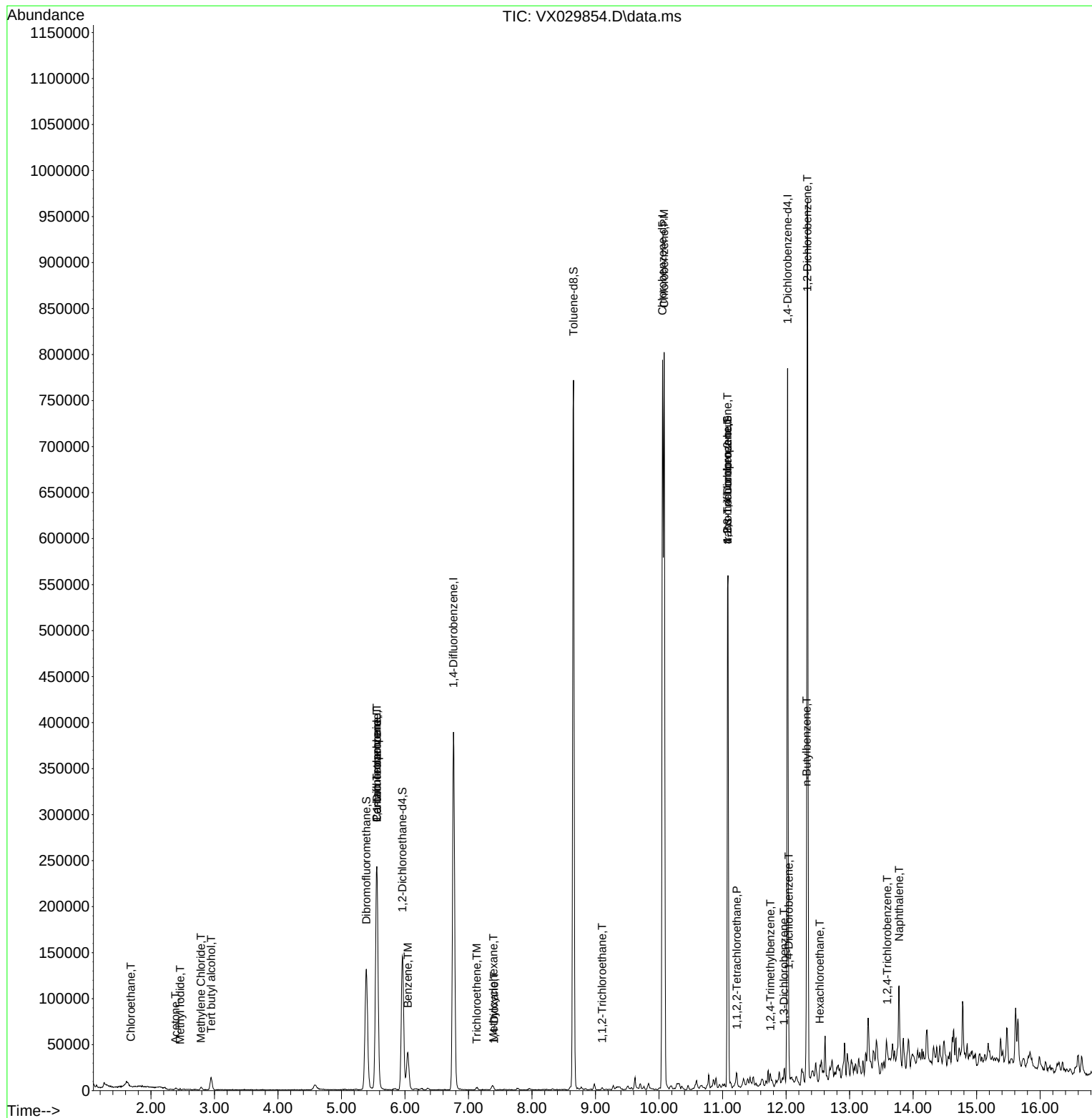
Internal Standards						
1) Pentafluorobenzene	5.556	168	243365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	418352	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	354897	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	156032	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	131929	42.826	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.660%		
35) Dibromofluoromethane	5.391	113	118250	45.229	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.460%		
50) Toluene-d8	8.653	98	470854	48.006	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.020%		
62) 4-Bromofluorobenzene	11.079	95	160667	46.341	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.680%		
Target Compounds						Qvalue
6) Chloroethane	1.684	64	522	1.292	ug/l #	87
10) Methyl Iodide	2.459	142	469	2.008	ug/l #	85
11) Tert butyl alcohol	2.946	59	7885	9.787	ug/l #	75
13) Acrolein	2.209	56	87	Below Cal	#	45
16) Acetone	2.385	43	1882	1.249	ug/l	97
20) Methylene Chloride	2.788	84	1269	0.399	ug/l #	59
36) 1,1-Dichloropropene	5.556	75	18381	5.286	ug/l #	47
38) Carbon Tetrachloride	5.556	117	22872	7.591	ug/l #	18
39) Methylcyclohexane	7.391	83	2057	0.489	ug/l #	72
40) Benzene	6.043	78	50535	4.494	ug/l	97
44) Trichloroethene	7.129	130	1077	0.356	ug/l	82
49) 1,4-Dioxane	7.403	88	19	0.236	ug/l #	25
55) 1,1,2-Trichloroethane	9.104	97	824	0.279	ug/l #	21
65) Chlorobenzene	10.079	112	349527	49.063	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.225	83	1513	0.340	ug/l #	38
76) 1,2,3-Trichloropropane	11.079	75	73371	19.643	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	73371	62.382	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.756	105	2605	0.277	ug/l	89
87) 1,3-Dichlorobenzene	11.969	146	2345	0.450	ug/l	94
88) 1,4-Dichlorobenzene	12.042	146	6807	1.279	ug/l #	64
89) n-Butylbenzene	12.323	91	3292	0.375	ug/l #	23
90) Hexachloroethane	12.530	117	532	0.349	ug/l #	16
91) 1,2-Dichlorobenzene	12.335	146	300805	58.726	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	737	0.237	ug/l #	1
95) Naphthalene	13.780	128	58289	4.625	ug/l	97

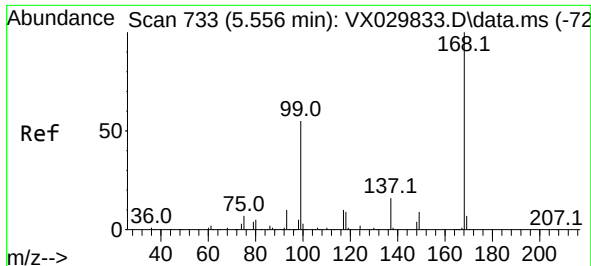
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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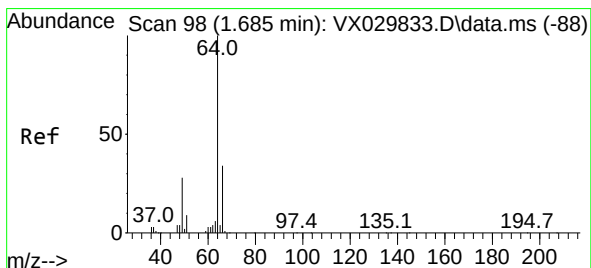
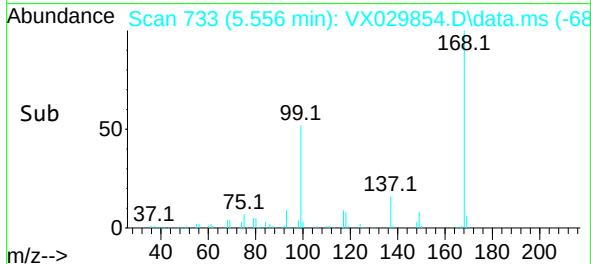
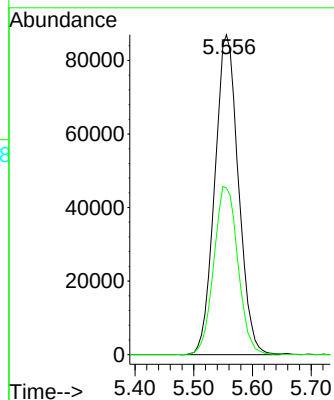
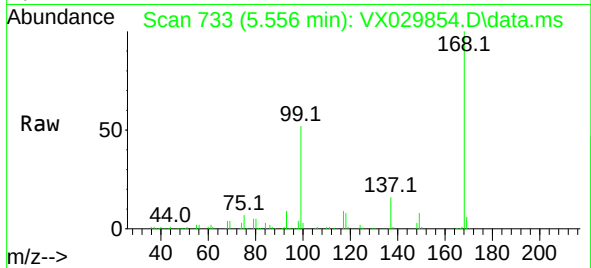




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029854.D
Acq: 29 Jun 2022 12:16

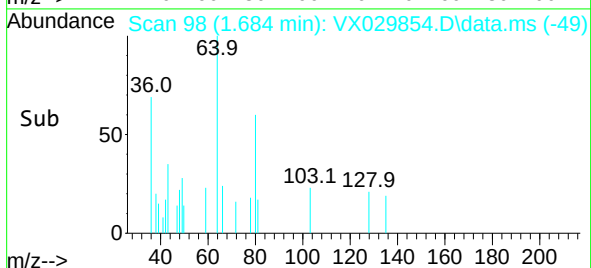
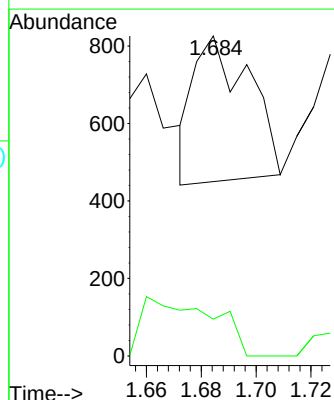
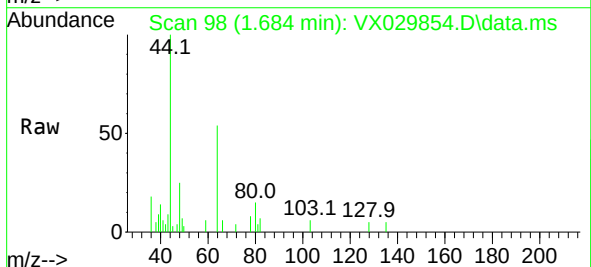
Instrument :
MSVOA_X
ClientSampleId :
SP-EXC-1-3-GRDL

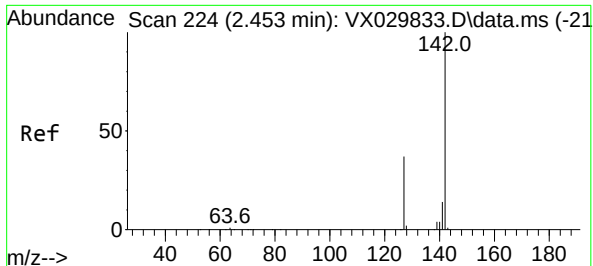
Tgt Ion:168 Resp: 243365
Ion Ratio Lower Upper
168 100
99 52.0 44.0 66.0



#6
Chloroethane
Concen: 1.292 ug/l
RT: 1.684 min Scan# 98
Delta R.T. -0.001 min
Lab File: VX029854.D
Acq: 29 Jun 2022 12:16

Tgt Ion: 64 Resp: 522
Ion Ratio Lower Upper
64 100
66 26.5 27.2 40.8#





#10

Methyl Iodide

Concen: 2.008 ug/l

RT: 2.459 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX029854.D

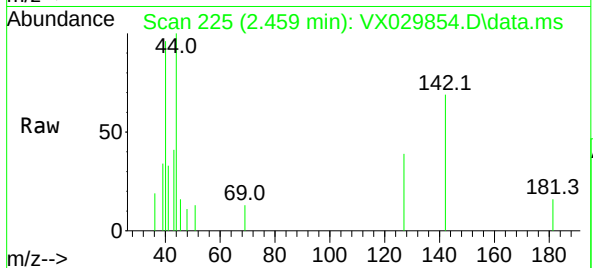
Acq: 29 Jun 2022 12:16

Instrument :

MSVOA_X

ClientSampleId :

SP-EXC-1-3-GRDL



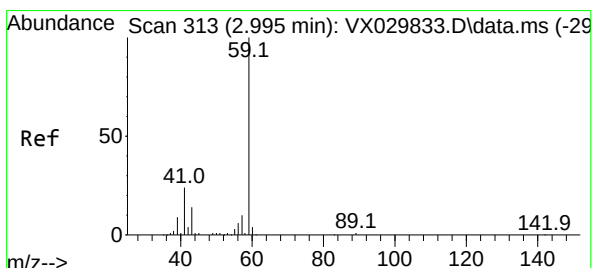
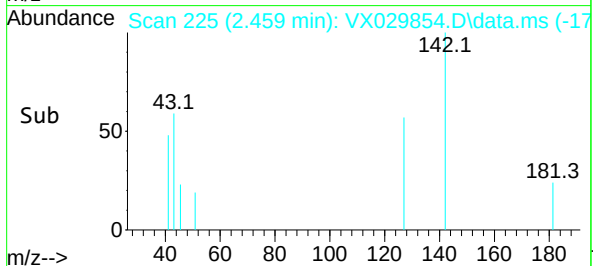
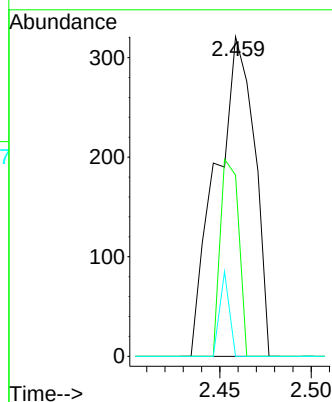
Tgt Ion:142 Resp: 469

Ion Ratio Lower Upper

142 100

127 29.6 30.2 45.2#

141 6.6 11.3 16.9#



#11

Tert butyl alcohol

Concen: 9.787 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.049 min

Lab File: VX029854.D

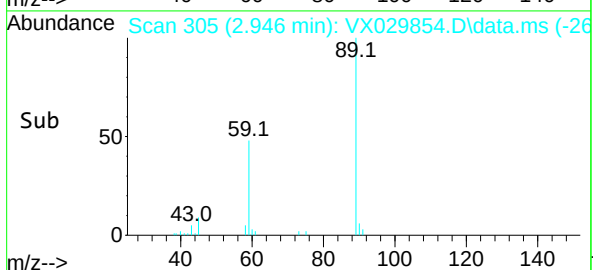
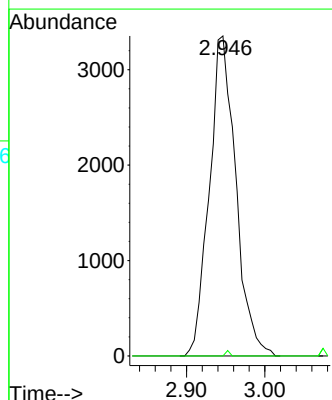
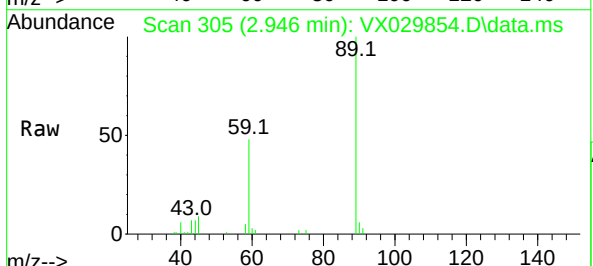
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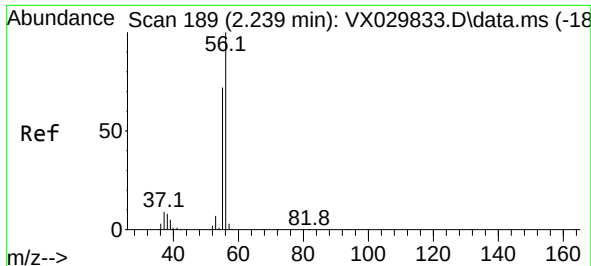
Tgt Ion: 59 Resp: 7885

Ion Ratio Lower Upper

59 100

57 0.3 7.4 11.2#

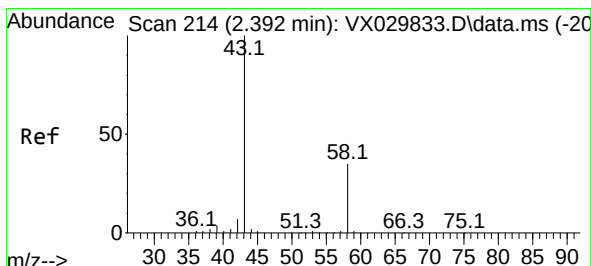
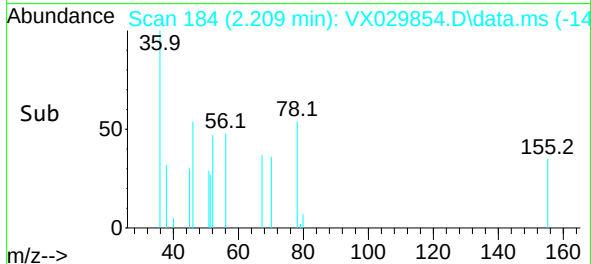
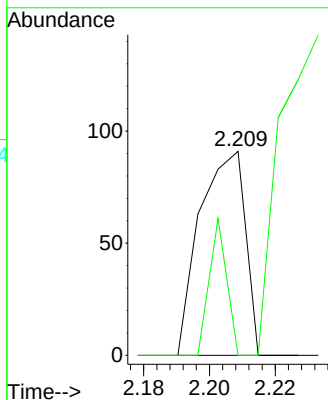
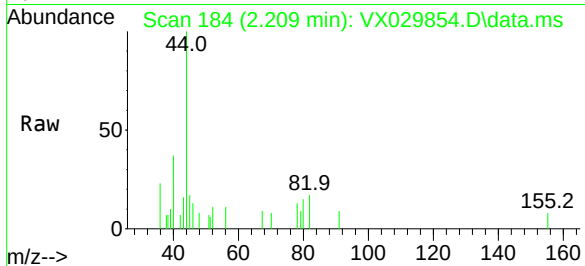




#13
Acrolein
Concen: Below Cal
RT: 2.209 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX029854.D
Acq: 29 Jun 2022 12:16

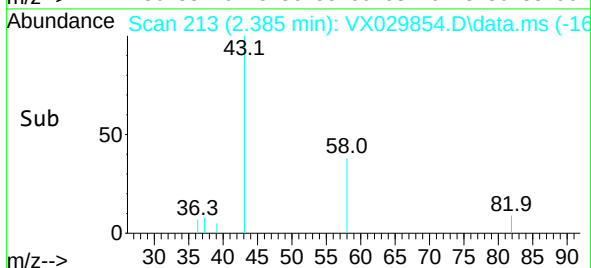
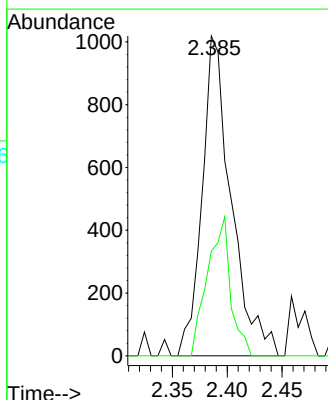
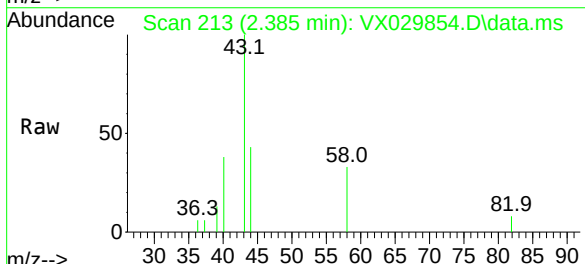
Instrument :
MSVOA_X
ClientSampleId :
SP-EXC-1-3-GRDL

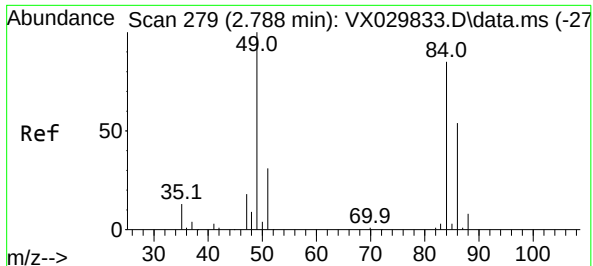
Tgt Ion: 56 Resp: 87
Ion Ratio Lower Upper
56 100
55 25.3 56.6 84.8#



#16
Acetone
Concen: 1.249 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX029854.D
Acq: 29 Jun 2022 12:16

Tgt Ion: 43 Resp: 1882
Ion Ratio Lower Upper
43 100
58 32.7 27.7 41.5





#20

Methylene Chloride

Concen: 0.399 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX029854.D

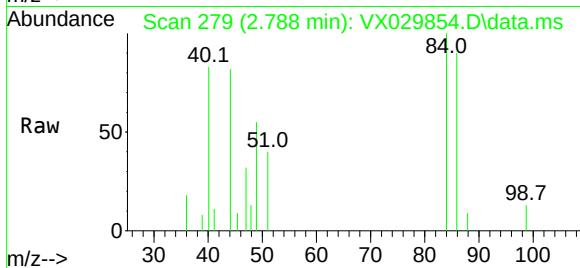
Acq: 29 Jun 2022 12:16

Instrument :

MSVOA_X

ClientSampleId :

SP-EXC-1-3-GRDL



Tgt Ion: 84 Resp: 1269

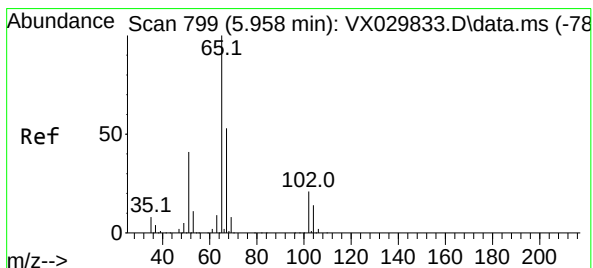
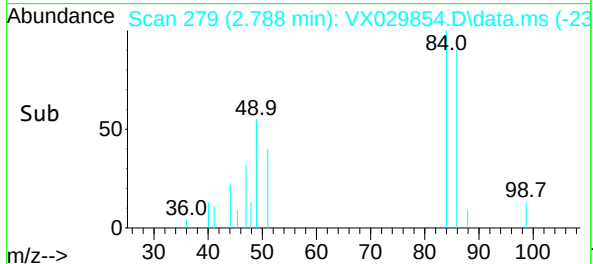
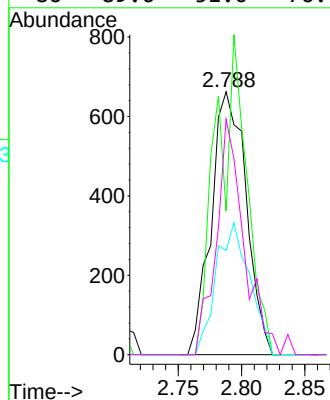
Ion Ratio Lower Upper

84 100

49 54.7 93.8 140.6#

51 39.7 29.4 44.0

86 89.6 51.0 76.4#



#33

1,2-Dichloroethane-d4

Concen: 42.826 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX029854.D

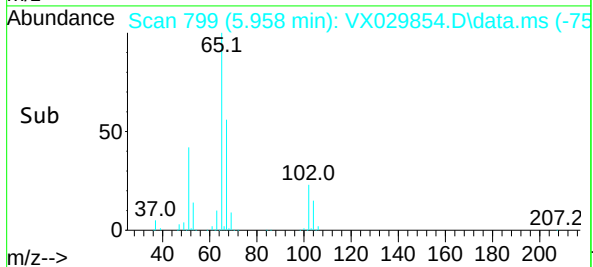
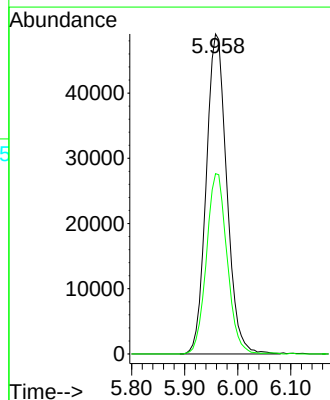
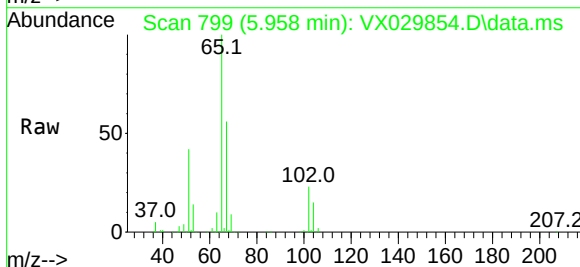
Acq: 29 Jun 2022 12:16

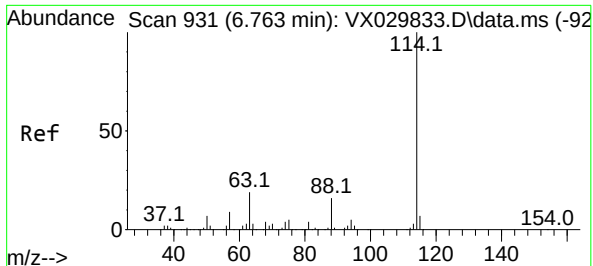
Tgt Ion: 65 Resp: 131929

Ion Ratio Lower Upper

65 100

67 56.6 0.0 109.6

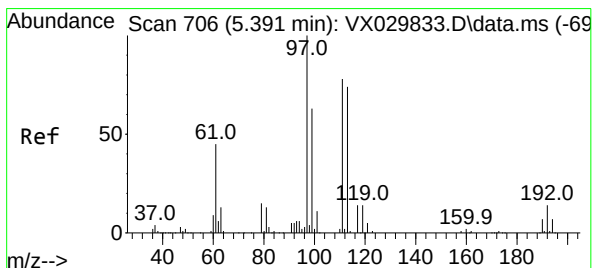
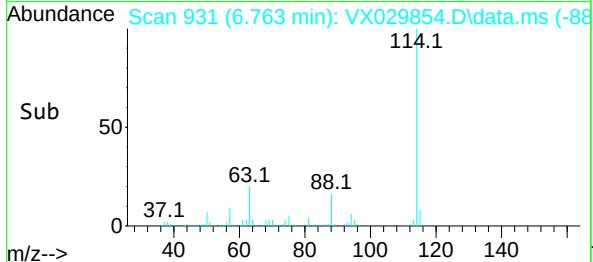
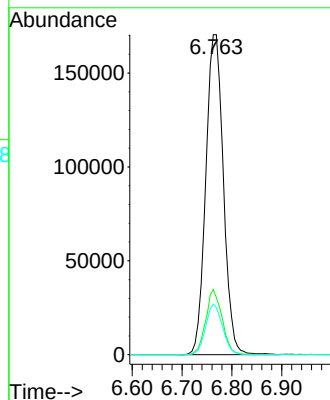
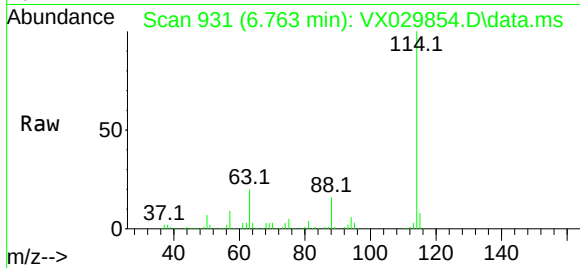




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029854.D
Acq: 29 Jun 2022 12:16

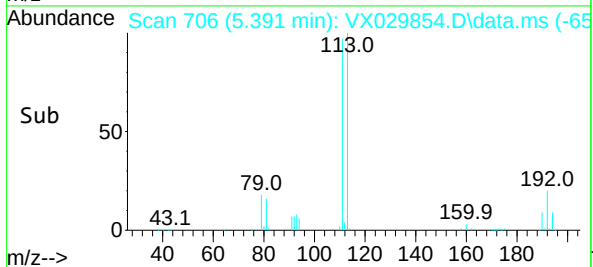
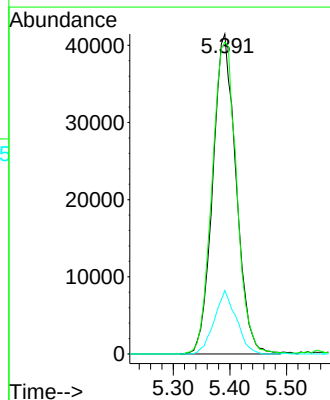
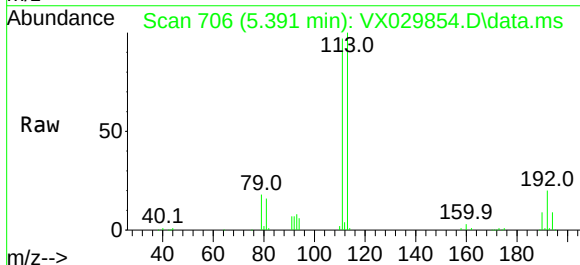
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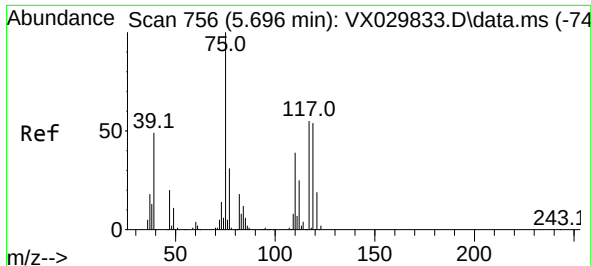
Tgt Ion:114 Resp: 418352
Ion Ratio Lower Upper
114 100
63 20.3 0.0 38.4
88 15.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 45.229 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX029854.D
Acq: 29 Jun 2022 12:16

Tgt Ion:113 Resp: 118250
Ion Ratio Lower Upper
113 100
111 102.6 83.2 124.8
192 18.8 14.8 22.2

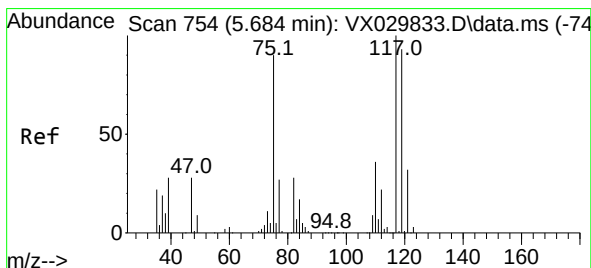
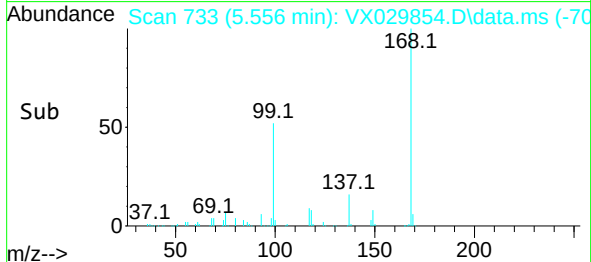
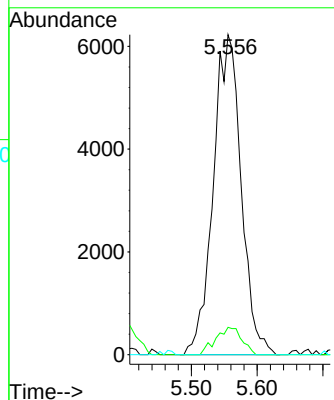
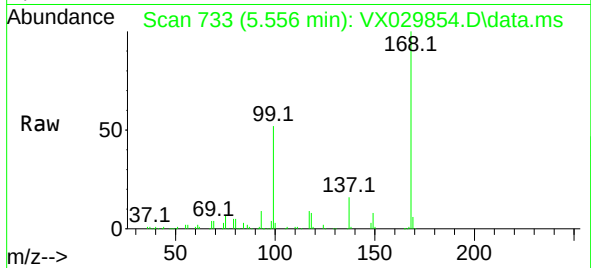




#36
1,1-Dichloropropene
Concen: 5.286 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX029854.D
Acq: 29 Jun 2022 12:16

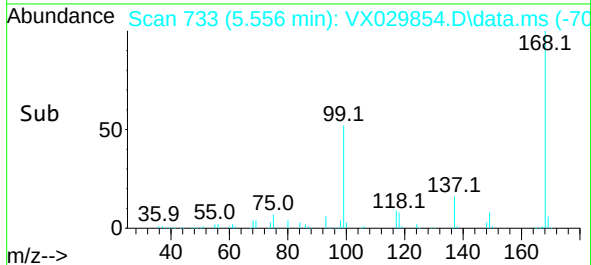
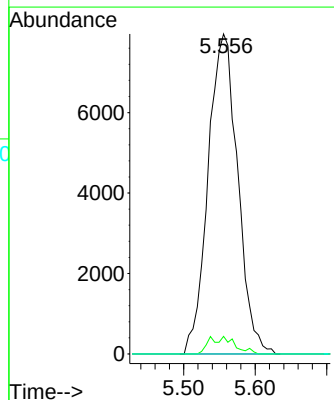
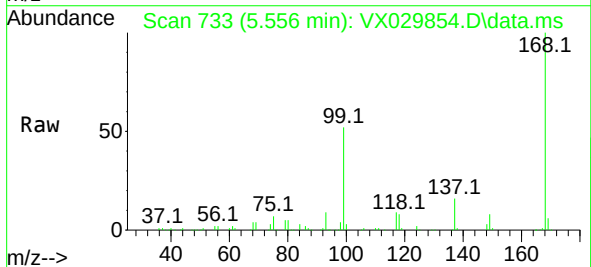
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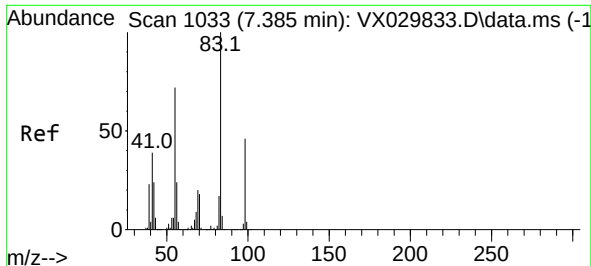
Tgt Ion: 75 Resp: 18381
Ion Ratio Lower Upper
75 100
110 8.0 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.591 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX029854.D
Acq: 29 Jun 2022 12:16

Tgt Ion: 117 Resp: 22872
Ion Ratio Lower Upper
117 100
119 5.5 74.1 111.1#
121 0.0 25.8 38.8#





#39

Methylcyclohexane

Concen: 0.489 ug/l

RT: 7.391 min Scan# 1033

Delta R.T. 0.006 min

Lab File: VX029854.D

Acq: 29 Jun 2022 12:16

Instrument :

MSVOA_X

ClientSampleId :

SP-EXC-1-3-GRDL

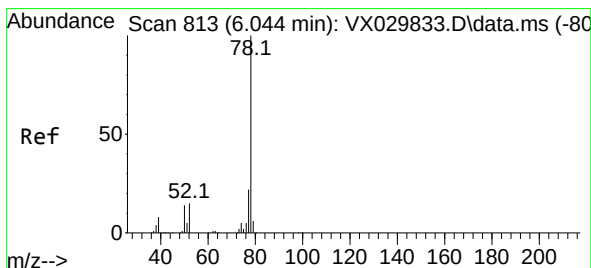
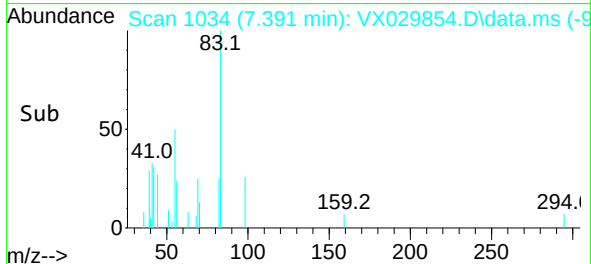
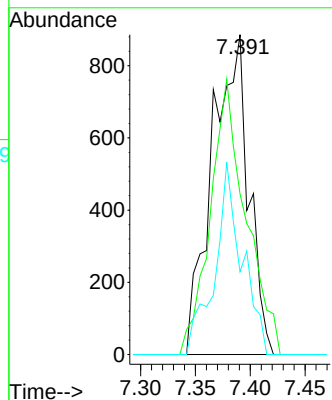
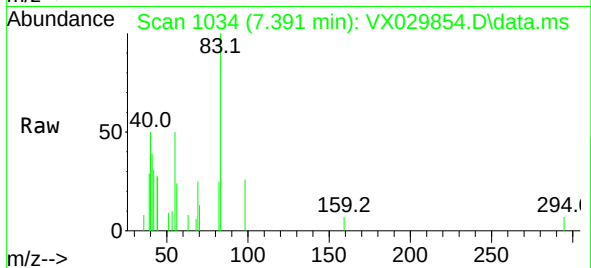
Tgt Ion: 83 Resp: 2057

Ion Ratio Lower Upper

83 100

55 50.2 57.7 86.5#

98 25.8 36.5 54.7#



#40

Benzene

Concen: 4.494 ug/l

RT: 6.043 min Scan# 813

Delta R.T. -0.000 min

Lab File: VX029854.D

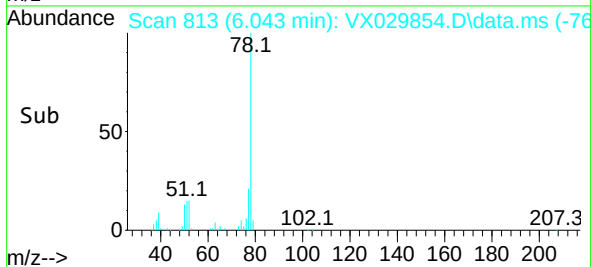
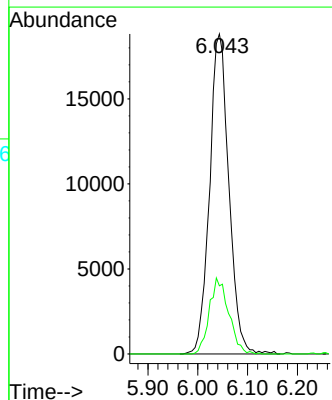
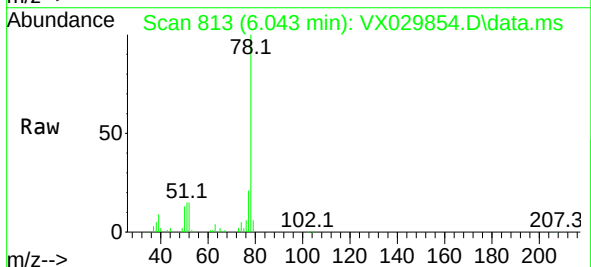
Acq: 29 Jun 2022 12:16

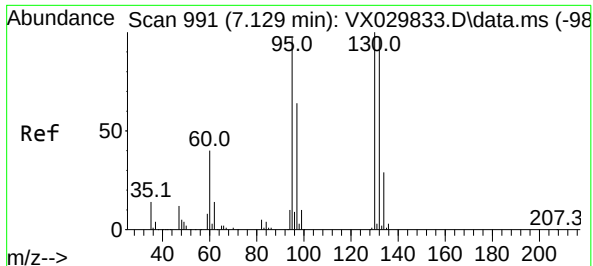
Tgt Ion: 78 Resp: 50535

Ion Ratio Lower Upper

78 100

77 21.3 18.0 27.0

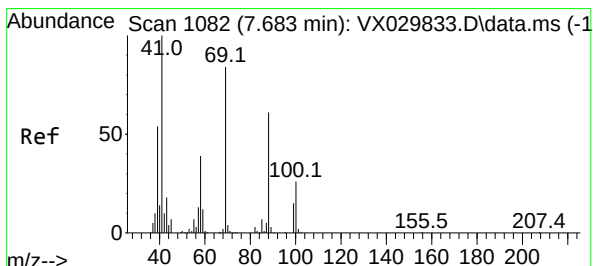
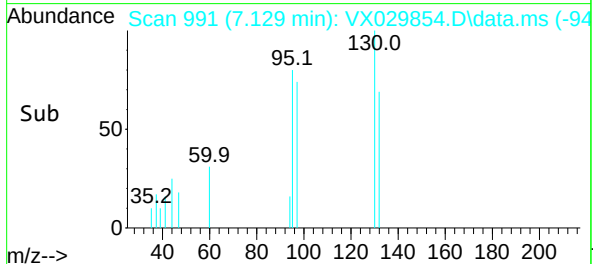
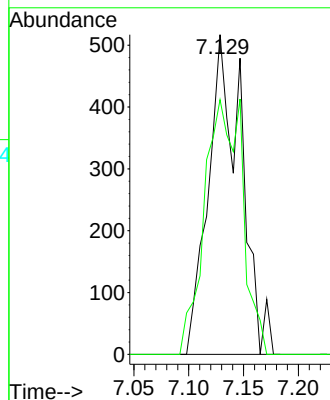
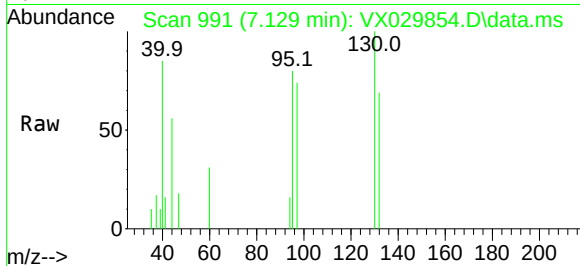




#44
Trichloroethene
Concen: 0.356 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029854.D
Acq: 29 Jun 2022 12:16

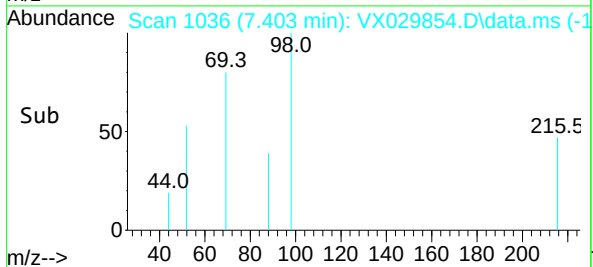
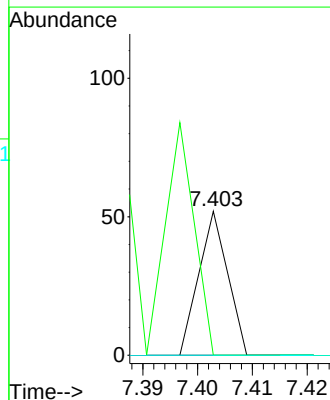
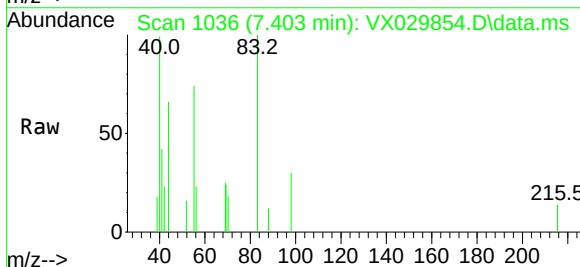
Instrument :
MSVOA_X
ClientSampleId :
SP-EXC-1-3-GRDL

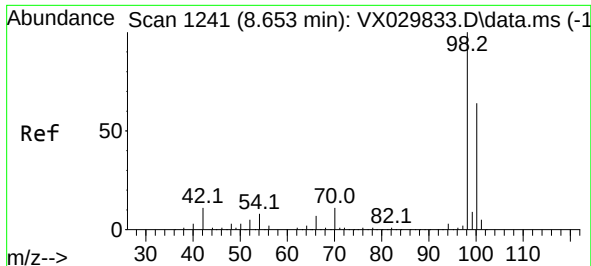
Tgt Ion:130 Resp: 1077
Ion Ratio Lower Upper
130 100
95 79.7 0.0 194.8



#49
1,4-Dioxane
Concen: 0.236 ug/l
RT: 7.403 min Scan# 1036
Delta R.T. -0.281 min
Lab File: VX029854.D
Acq: 29 Jun 2022 12:16

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 23.8 35.8#
58 0.0 53.8 80.6#

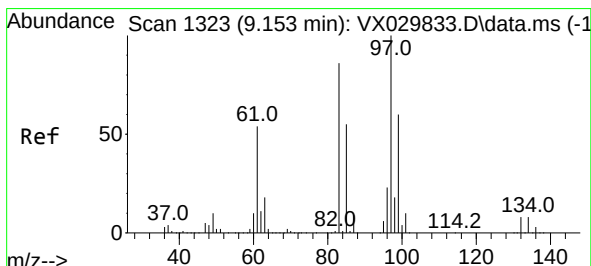
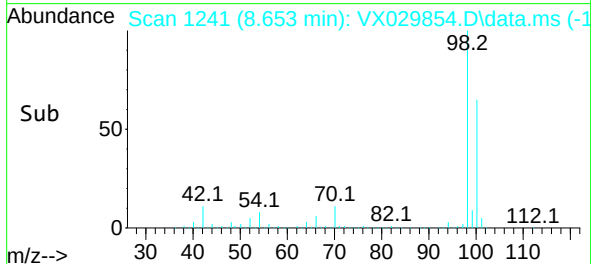
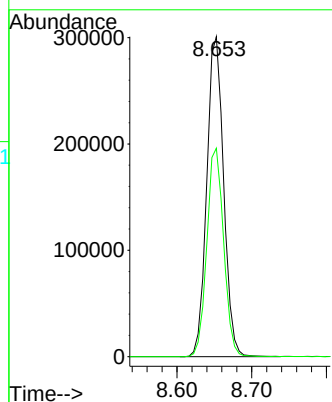
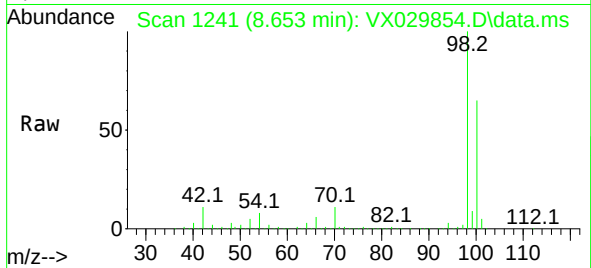




#50
Toluene-d8
Concen: 48.006 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029854.D
Acq: 29 Jun 2022 12:16

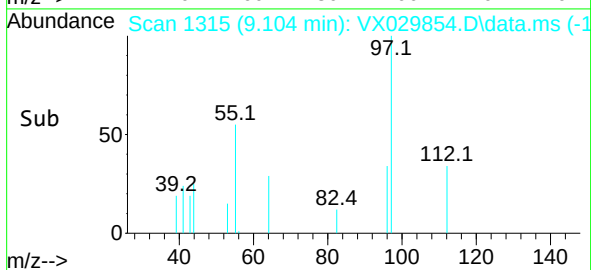
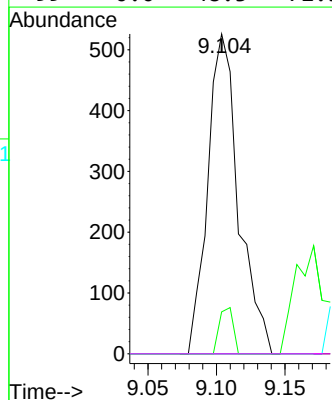
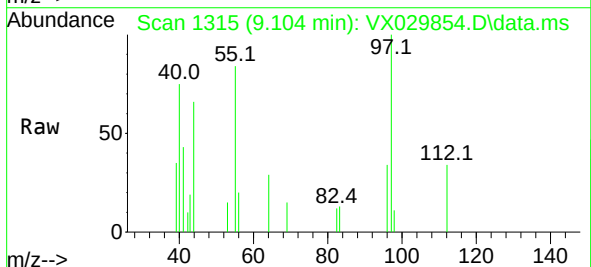
Instrument :
MSVOA_X
ClientSampleId :
SP-EXC-1-3-GRDL

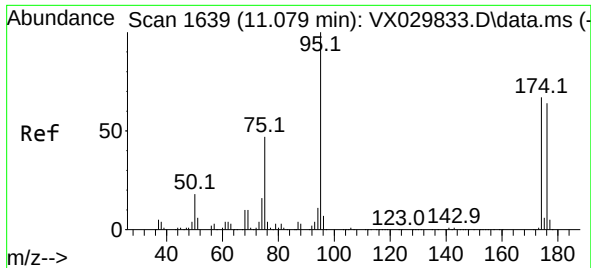
Tgt Ion: 98 Resp: 470854
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5



#55
1,1,2-Trichloroethane
Concen: 0.279 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.049 min
Lab File: VX029854.D
Acq: 29 Jun 2022 12:16

Tgt Ion: 97 Resp: 824
Ion Ratio Lower Upper
97 100
83 13.1 68.9 103.3#
85 0.0 44.0 66.0#
99 0.0 48.3 72.5#

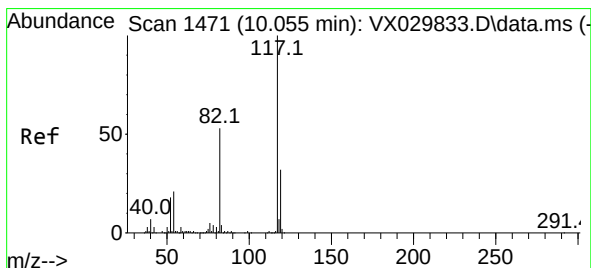
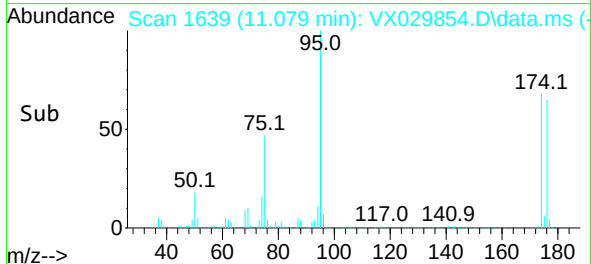
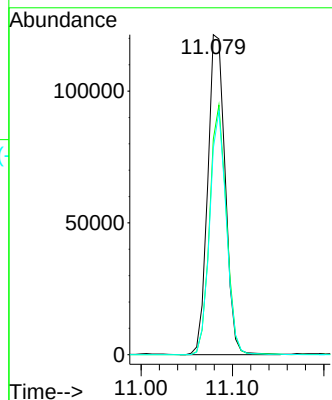
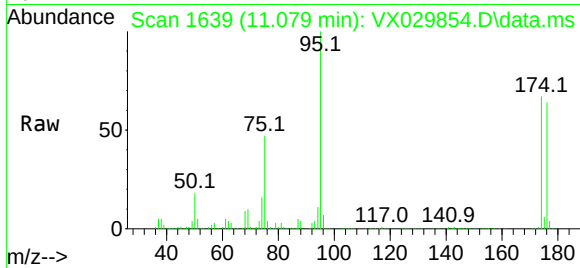




#62
4-Bromofluorobenzene
Concen: 46.341 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX029854.D
Acq: 29 Jun 2022 12:16

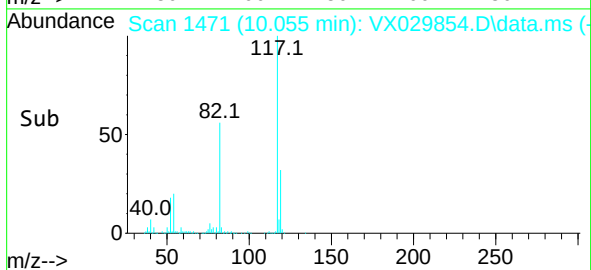
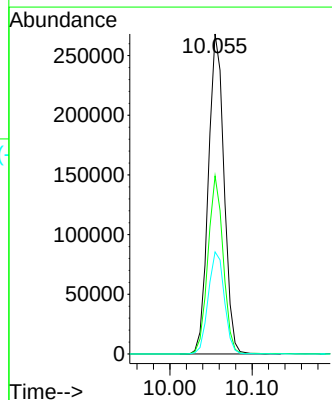
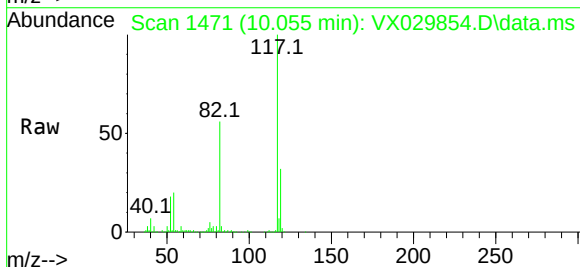
Instrument :
MSVOA_X
ClientSampleId :
SP-EXC-1-3-GRDL

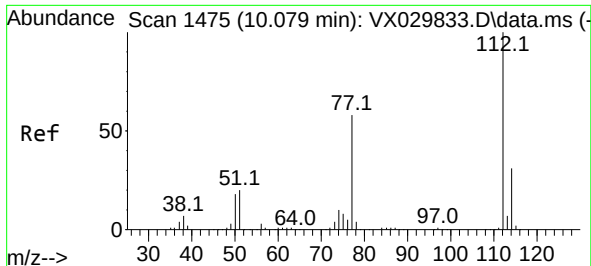
Tgt Ion: 95 Resp: 160667
Ion Ratio Lower Upper
95 100
174 74.7 0.0 149.0
176 72.5 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029854.D
Acq: 29 Jun 2022 12:16

Tgt Ion: 117 Resp: 354897
Ion Ratio Lower Upper
117 100
82 55.7 42.7 64.1
119 31.9 25.4 38.2

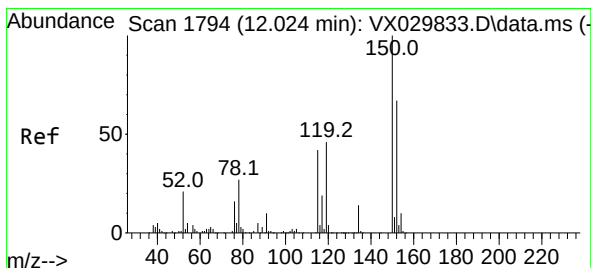
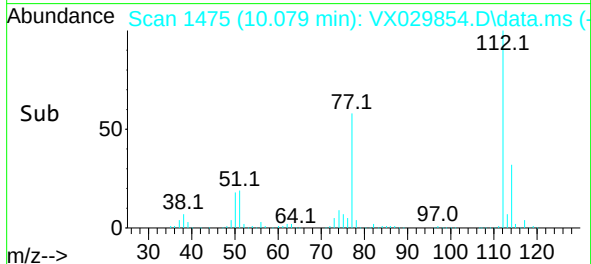
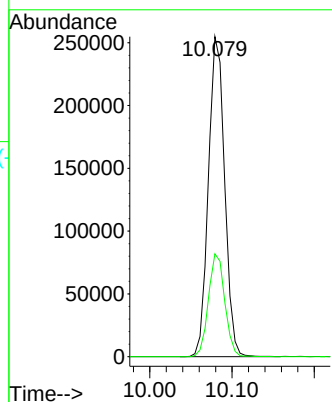
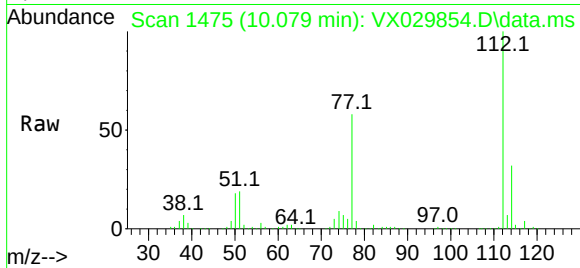




#65
Chlorobenzene
Concen: 49.063 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX029854.D
Acq: 29 Jun 2022 12:16

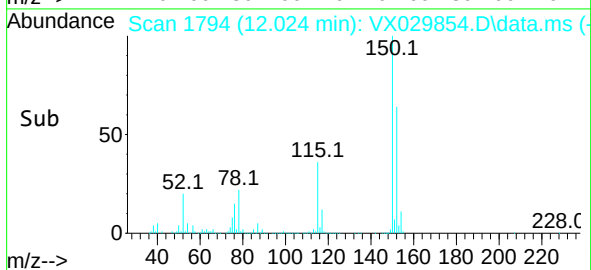
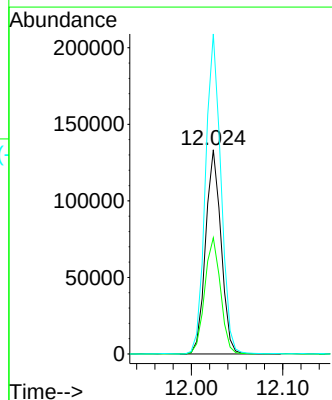
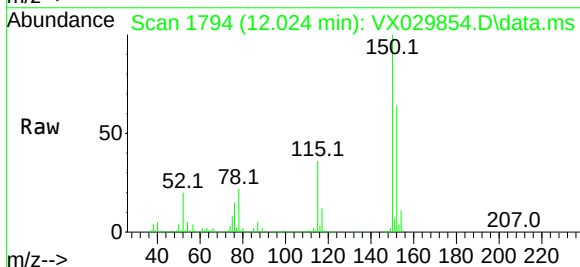
Instrument :
MSVOA_X
ClientSampleId :
SP-EXC-1-3-GRDL

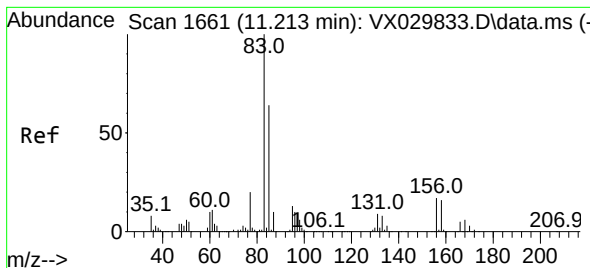
Tgt Ion:112 Resp: 349527
Ion Ratio Lower Upper
112 100
114 32.2 24.6 36.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX029854.D
Acq: 29 Jun 2022 12:16

Tgt Ion:152 Resp: 156032
Ion Ratio Lower Upper
152 100
115 58.3 40.5 121.5
150 157.2 0.0 347.0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.340 ug/l

RT: 11.225 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX029854.D

Acq: 29 Jun 2022 12:16

Instrument :

MSVOA_X

ClientSampleId :

SP-EXC-1-3-GRDL

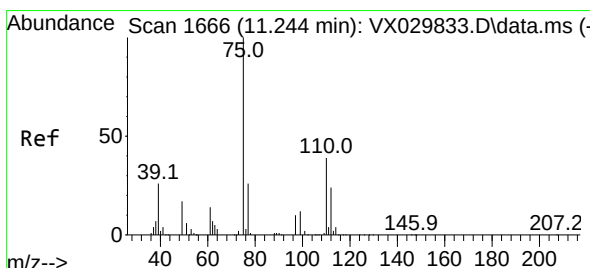
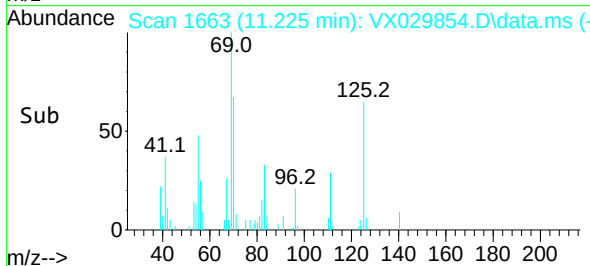
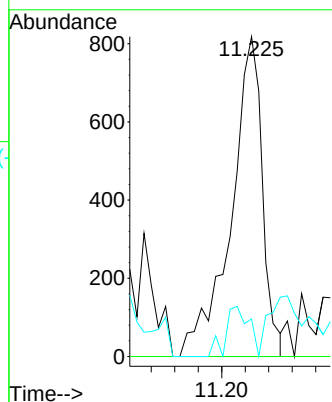
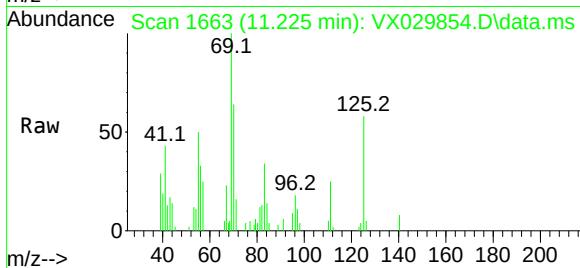
Tgt Ion: 83 Resp: 1513

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.7#

85 11.6 32.5 97.5#



#76

1,2,3-Trichloropropane

Concen: 19.643 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX029854.D

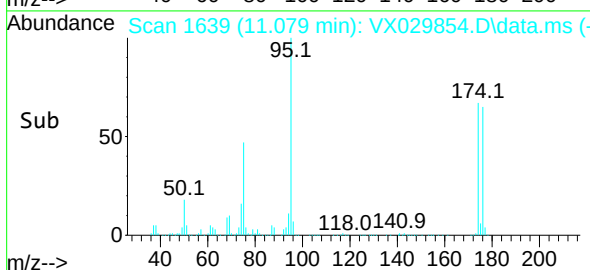
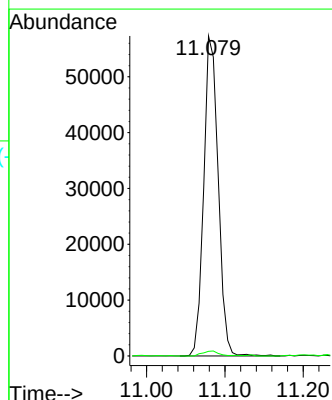
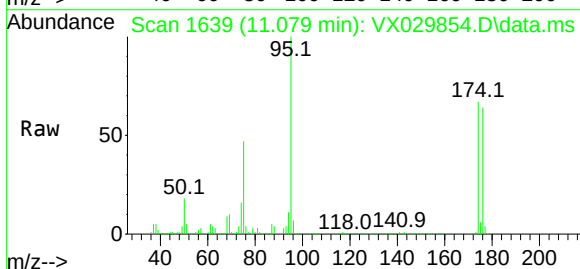
Acq: 29 Jun 2022 12:16

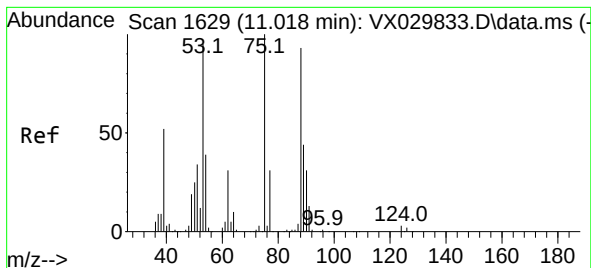
Tgt Ion: 75 Resp: 73371

Ion Ratio Lower Upper

75 100

77 1.7 19.8 59.3#

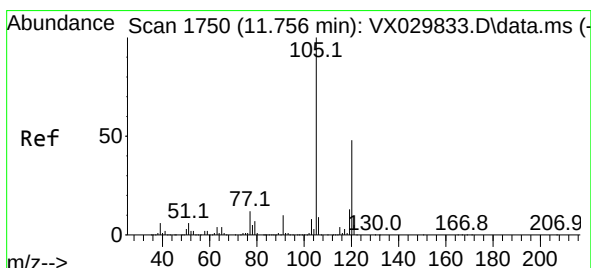
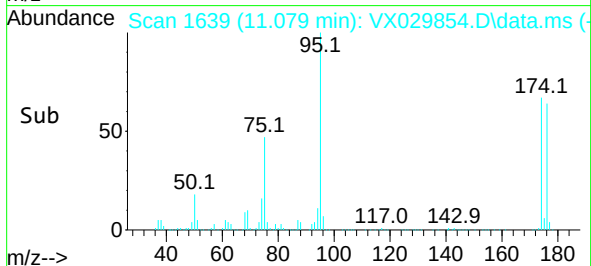
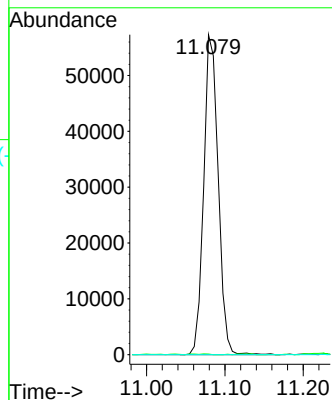
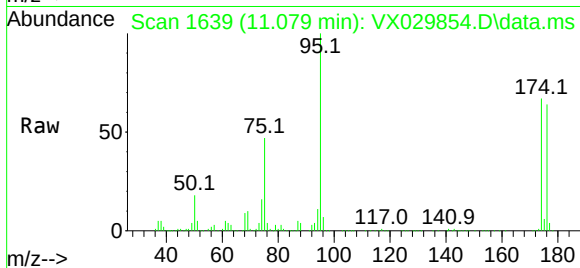




#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.382 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029854.D
 Acq: 29 Jun 2022 12:16

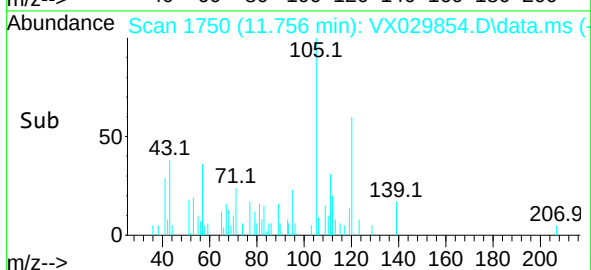
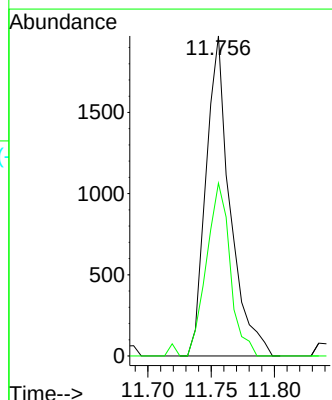
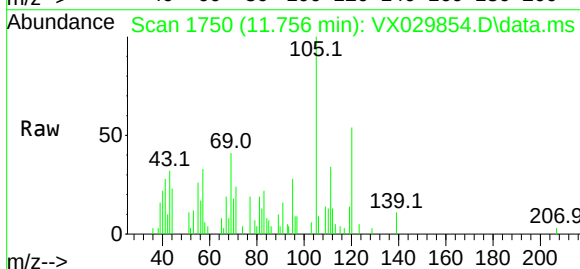
Instrument :
 MSVOA_X
 ClientSampleId :
 SP-EXC-1-3-GRDL

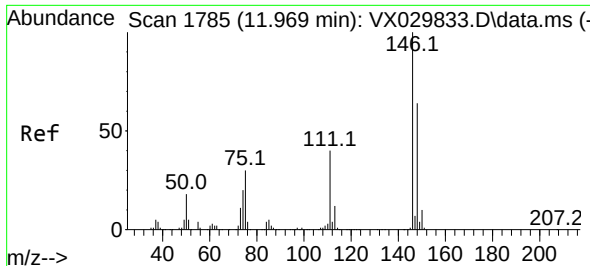
Tgt Ion: 75 Resp: 73371
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.277 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. -0.000 min
 Lab File: VX029854.D
 Acq: 29 Jun 2022 12:16

Tgt Ion: 105 Resp: 2605
 Ion Ratio Lower Upper
 105 100
 120 53.2 22.9 68.8

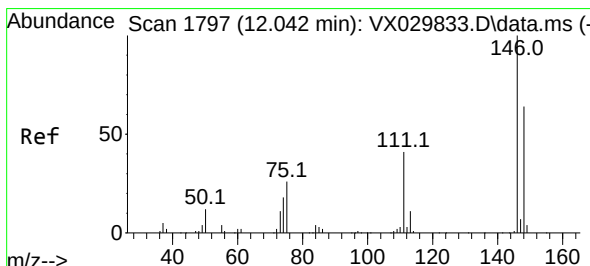
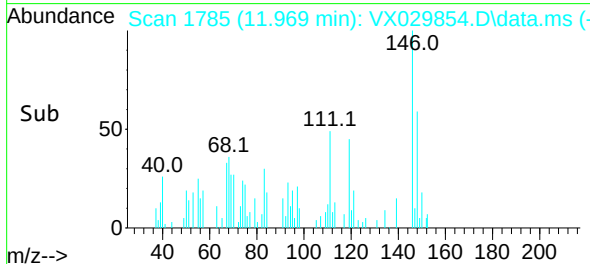
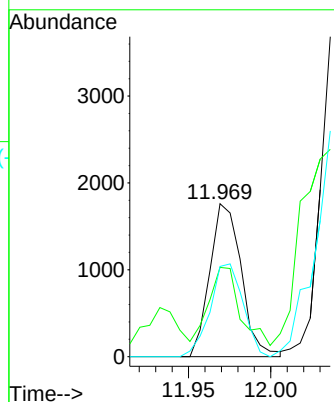
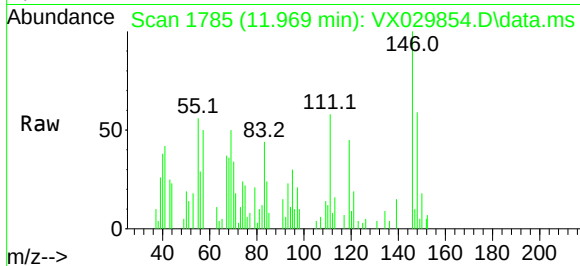




#87
 1,3-Dichlorobenzene
 Concen: 0.450 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. -0.000 min
 Lab File: VX029854.D
 Acq: 29 Jun 2022 12:16

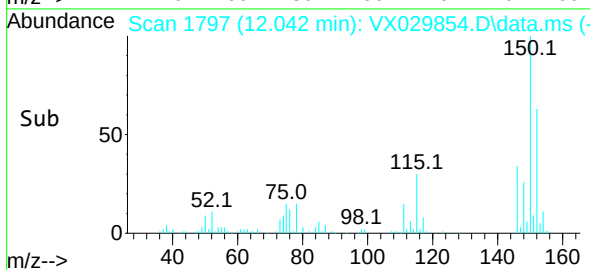
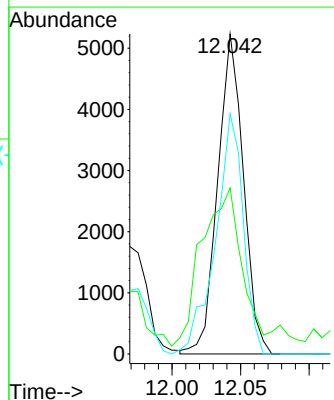
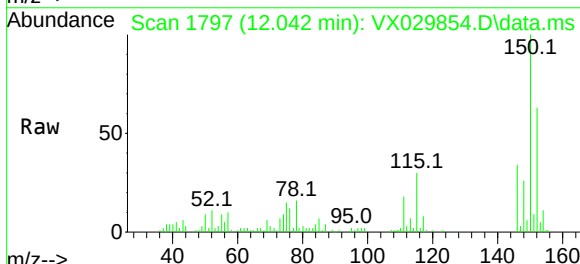
Instrument :
 MSVOA_X
 ClientSampleId :
 SP-EXC-1-3-GRDL

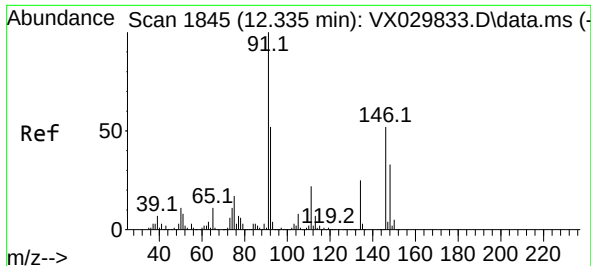
Tgt Ion:146	Resp:	2345
Ion Ratio	Lower	Upper
146	100	
111	50.1	20.3 60.8
148	63.2	31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 1.279 ug/l
 RT: 12.042 min Scan# 1797
 Delta R.T. -0.000 min
 Lab File: VX029854.D
 Acq: 29 Jun 2022 12:16

Tgt Ion:146	Resp:	6807
Ion Ratio	Lower	Upper
146	100	
111	77.4	20.3 60.9#
148	81.1	32.3 96.8

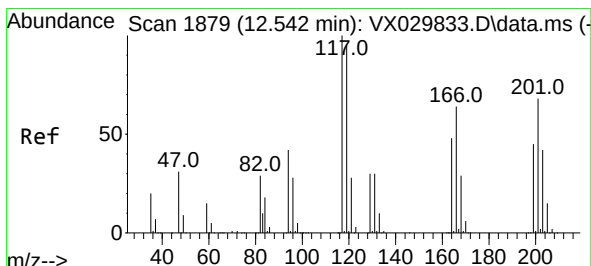
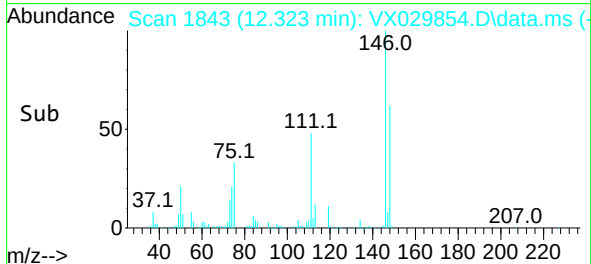
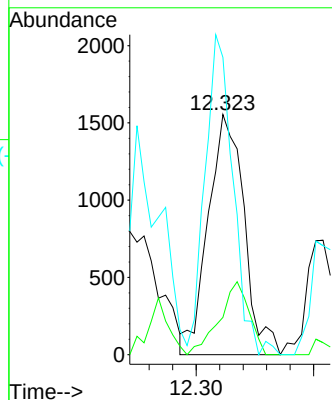
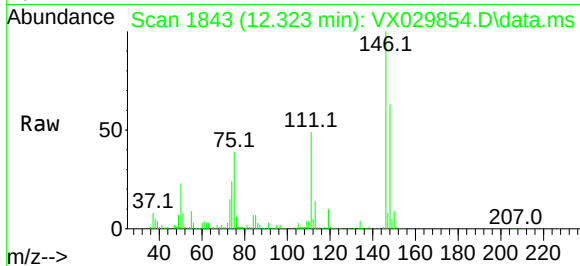




#89
n-Butylbenzene
Concen: 0.375 ug/l
RT: 12.323 min Scan# 1843
Delta R.T. -0.012 min
Lab File: VX029854.D
Acq: 29 Jun 2022 12:16

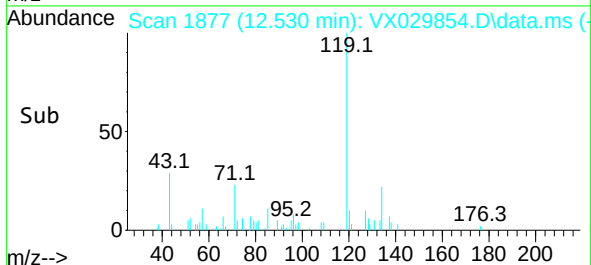
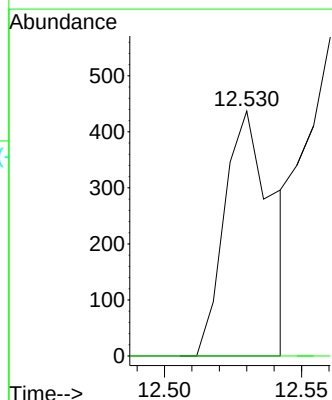
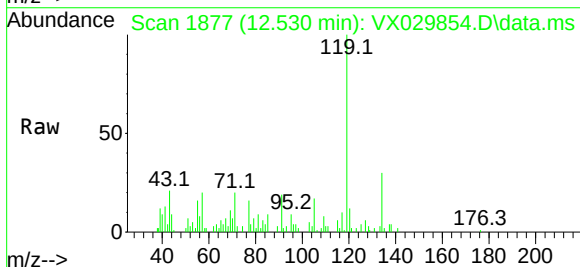
Instrument :
MSVOA_X
ClientSampleId :
SP-EXC-1-3-GRDL

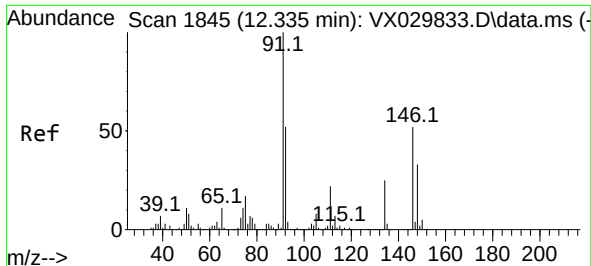
Tgt Ion: 91 Resp: 3292
Ion Ratio Lower Upper
91 100
92 25.3 26.2 78.5#
134 104.0 12.6 37.8#



#90
Hexachloroethane
Concen: 0.349 ug/l
RT: 12.530 min Scan# 1877
Delta R.T. -0.012 min
Lab File: VX029854.D
Acq: 29 Jun 2022 12:16

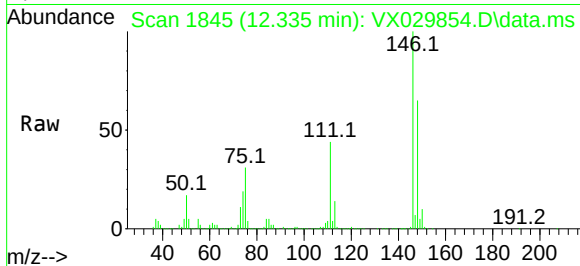
Tgt Ion: 117 Resp: 532
Ion Ratio Lower Upper
117 100
201 0.0 34.2 102.5#



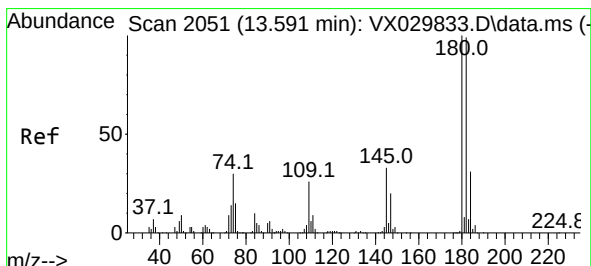
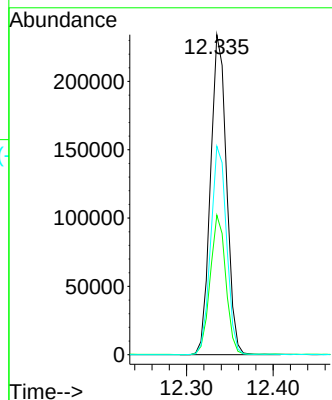
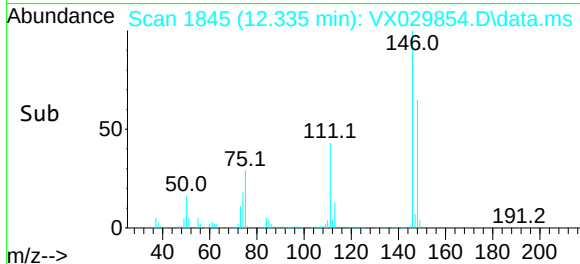


#91
1,2-Dichlorobenzene
Concen: 58.726 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX029854.D
Acq: 29 Jun 2022 12:16

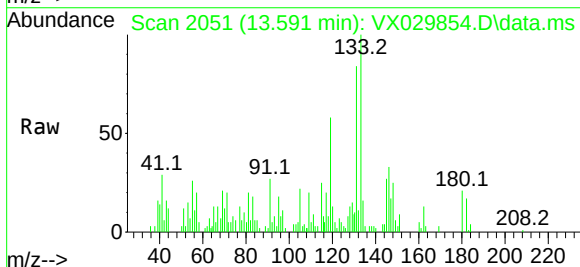
Instrument :
MSVOA_X
ClientSampleId :
SP-EXC-1-3-GRDL



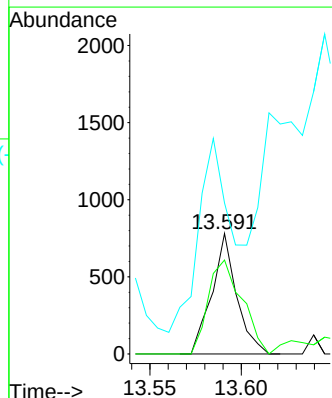
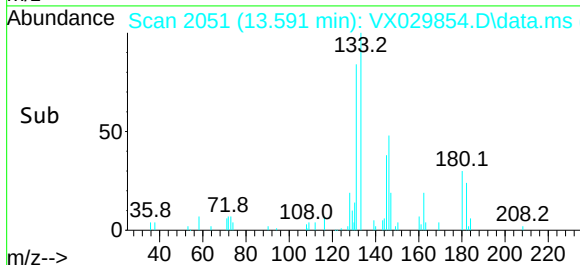
Tgt Ion:146 Resp: 300805
Ion Ratio Lower Upper
146 100
111 42.4 20.7 62.1
148 64.8 32.0 96.2

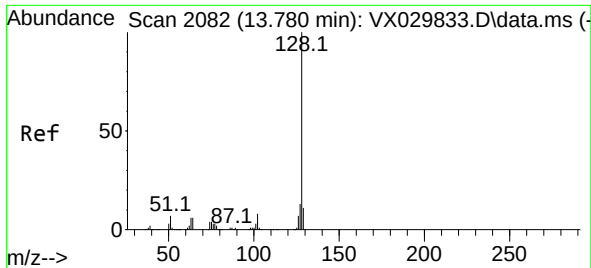


#93
1,2,4-Trichlorobenzene
Concen: 0.237 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX029854.D
Acq: 29 Jun 2022 12:16



Tgt Ion:180 Resp: 737
Ion Ratio Lower Upper
180 100
182 106.1 48.2 144.6
145 248.7 15.9 47.6#





#95

Naphthalene

Concen: 4.625 ug/l

RT: 13.780 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX029854.D

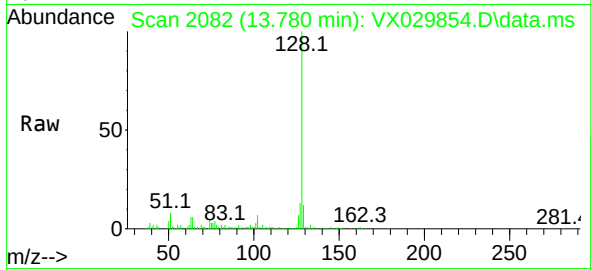
Acq: 29 Jun 2022 12:16

Instrument :

MSVOA_X

ClientSampleId :

SP-EXC-1-3-GRDL



Tgt Ion:128 Resp: 58289

Ion Ratio Lower Upper

128 100

127 14.2 10.2 15.2

129 11.9 8.6 13.0

