

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071322\
 Data File : VX030043.D
 Acq On : 13 Jul 2022 14:31
 Operator : JC/MD
 Sample : N3695-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPC-01D-84

Quant Time: Jul 14 04:56:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 13 09:05:23 2022
 Response via : Initial Calibration

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

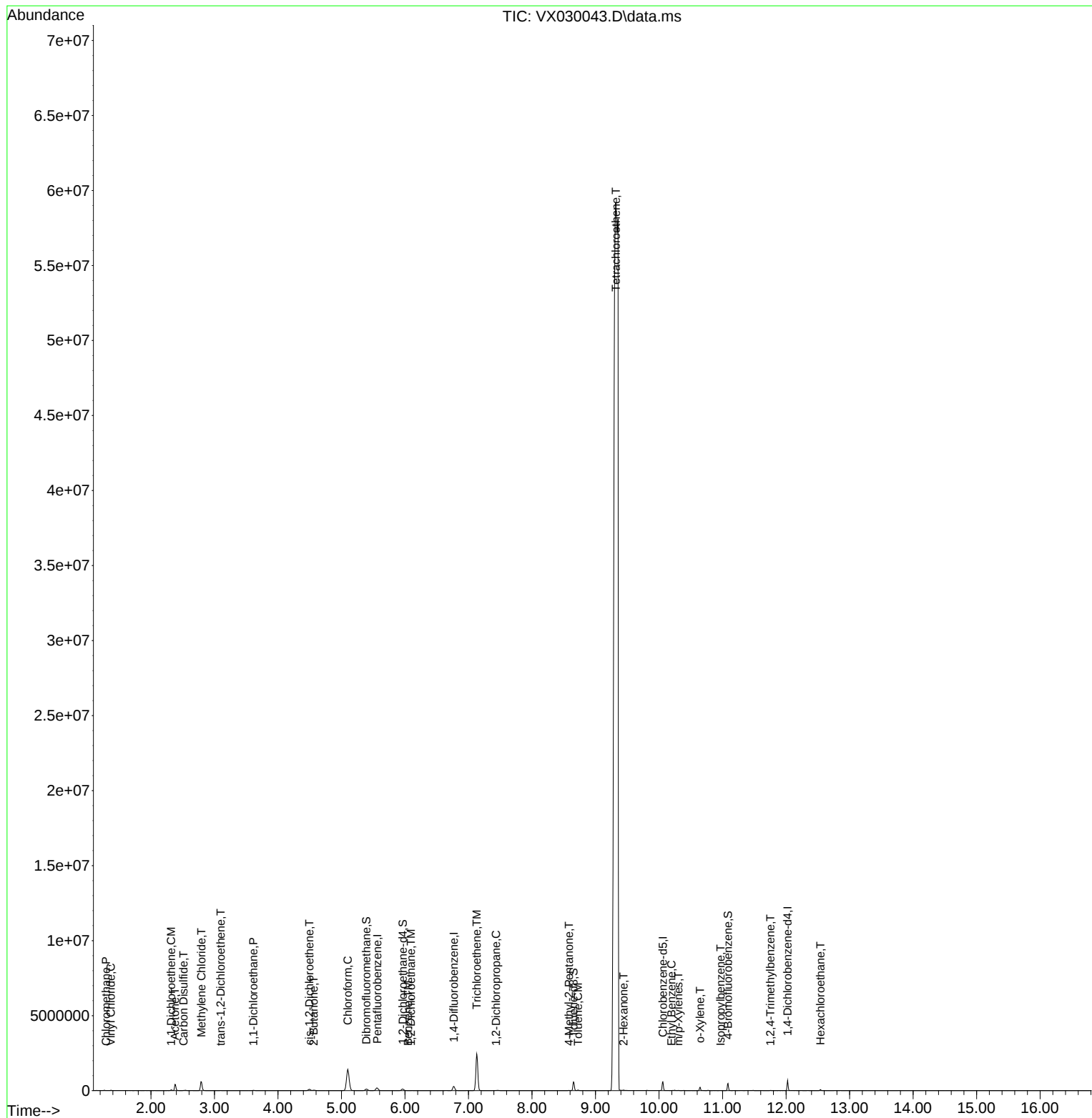
Internal Standards						
1) Pentafluorobenzene	5.562	168	181061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	311508	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	283865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100178	45.456	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.920%		
35) Dibromofluoromethane	5.391	113	93368	46.918	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.840%		
50) Toluene-d8	8.653	98	364794	48.741	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.480%		
62) 4-Bromofluorobenzene	11.085	95	129570	49.886	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.780%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	449	0.238	ug/l #	74
4) Vinyl Chloride	1.368	62	15276	7.289	ug/l	95
12) 1,1-Dichloroethene	2.319	96	19133	10.372	ug/l	96
16) Acetone	2.380	43	418952	403.435	ug/l	100
17) Carbon Disulfide	2.514	76	14174	2.387	ug/l	97
20) Methylene Chloride	2.794	84	295630	144.371	ug/l	96
21) trans-1,2-Dichloroethene	3.099	96	1746	0.908	ug/l #	78
24) 1,1-Dichloroethane	3.611	63	23811	6.810	ug/l	99
25) 2-Butanone	4.562	43	61140	34.563	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	59453	25.249	ug/l	86
30) Chloroform	5.099	83	1673933	480.369	ug/l	98
40) Benzene	6.050	78	2712	0.335	ug/l	94
42) 1,2-Dichloroethane	6.092	62	1970	0.786	ug/l	96
44) Trichloroethene	7.129	130	957623	405.056	ug/l	99
45) 1,2-Dichloropropane	7.434	63	4411	2.098	ug/l	92
51) 4-Methyl-2-Pentanone	8.580	43	8789	2.674	ug/l	96
52) Toluene	8.726	92	14281	2.780	ug/l	99
59) 2-Hexanone	9.439	43	12791	5.075	ug/l	97
64) Tetrachloroethene	9.323	164	31190758	13688.035	ug/l	95
67) Ethyl Benzene	10.195	91	3142	0.328	ug/l #	84
68) m/p-Xylenes	10.305	106	3020	0.804	ug/l	94
69) o-Xylene	10.646	106	49309	13.106	ug/l	97
73) Isopropylbenzene	10.970	105	2133	0.232	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	6776	0.884	ug/l	98
90) Hexachloroethane	12.542	117	9554	7.094	ug/l	98

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

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Quant Title : SW846 8260
QLast Update : Wed Jul 13 09:05:23 2022
Response via : Initial Calibration

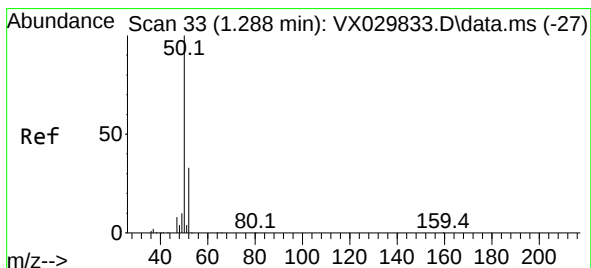
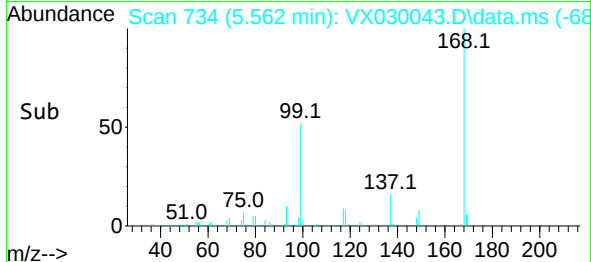
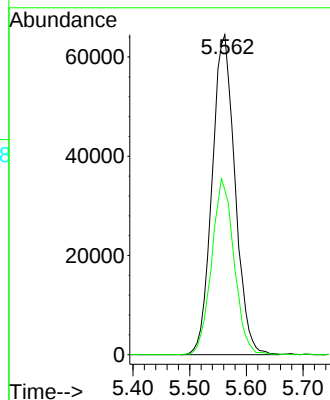
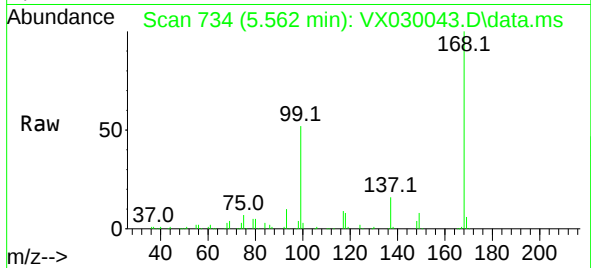




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030043.D
Acq: 13 Jul 2022 14:31

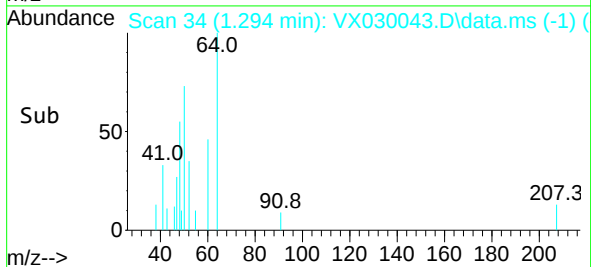
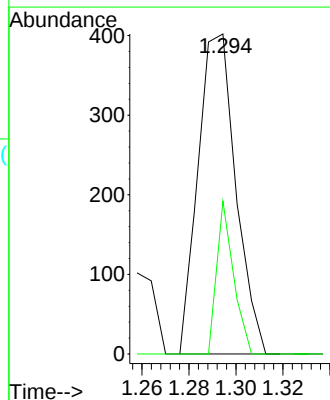
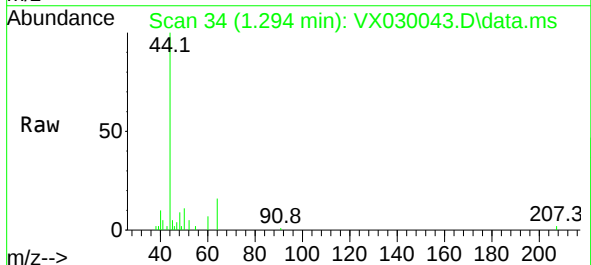
Instrument :
MSVOA_X
ClientSampleId :
SPC-01D-84

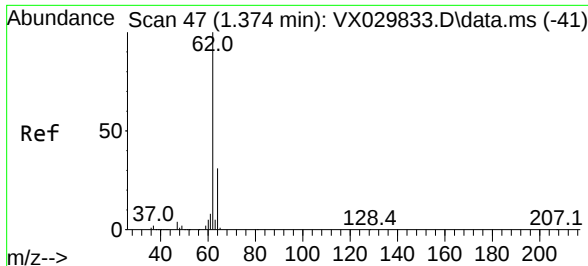
Tgt Ion:168 Resp: 181061
Ion Ratio Lower Upper
168 100
99 51.4 44.0 66.0



#3
Chloromethane
Concen: 0.238 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX030043.D
Acq: 13 Jul 2022 14:31

Tgt Ion: 50 Resp: 449
Ion Ratio Lower Upper
50 100
52 47.8 26.3 39.5

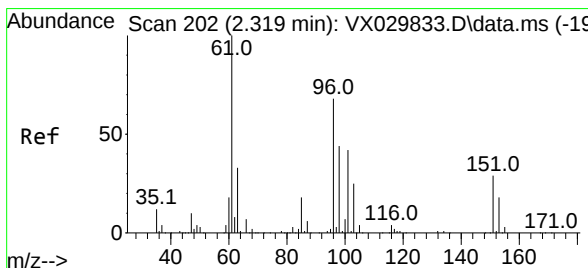
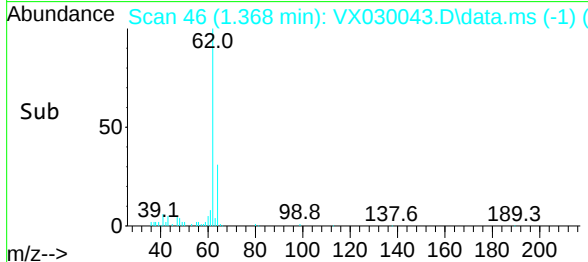
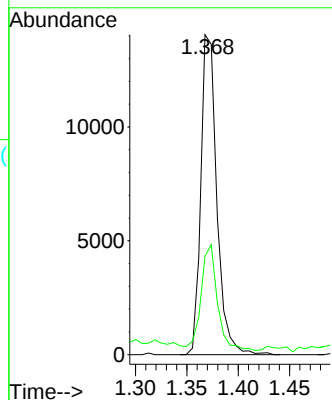
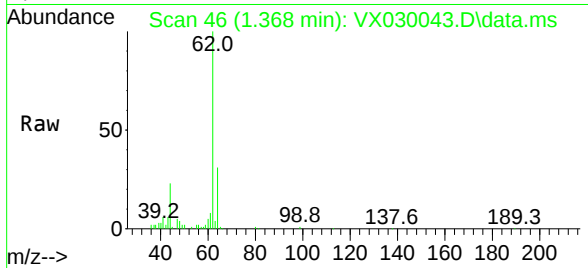




#4
 Vinyl Chloride
 Concen: 7.289 ug/l
 RT: 1.368 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VX030043.D
 Acq: 13 Jul 2022 14:31

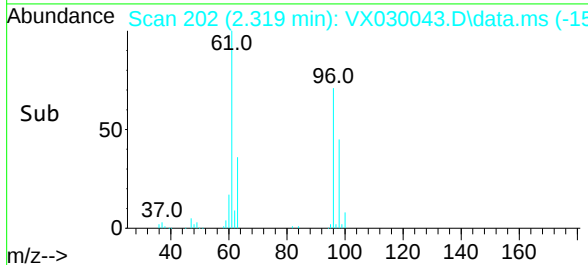
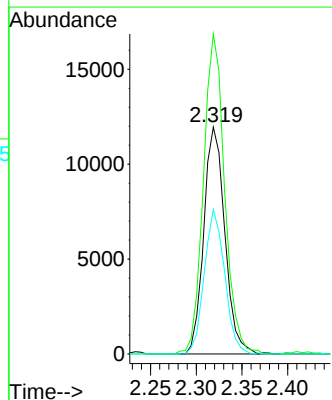
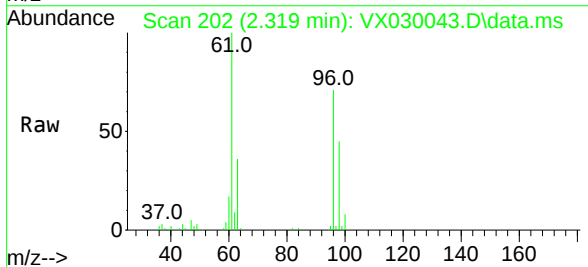
Instrument :
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 ClientSampleId :
 SPC-01D-84

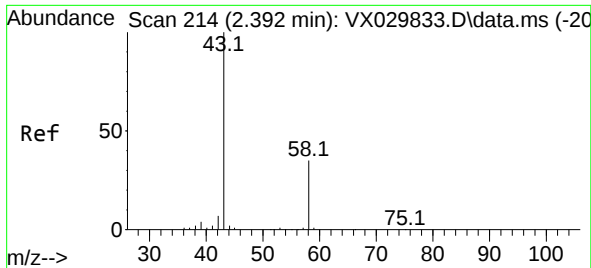
Tgt Ion: 62 Resp: 15276
 Ion Ratio Lower Upper
 62 100
 64 28.7 25.2 37.8



#12
 1,1-Dichloroethene
 Concen: 10.372 ug/l
 RT: 2.319 min Scan# 202
 Delta R.T. -0.000 min
 Lab File: VX030043.D
 Acq: 13 Jul 2022 14:31

Tgt Ion: 96 Resp: 19133
 Ion Ratio Lower Upper
 96 100
 61 141.0 117.4 176.0
 98 63.6 52.2 78.4

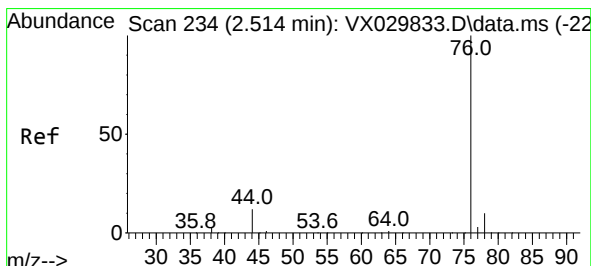
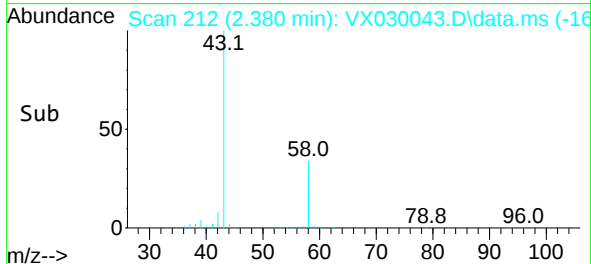
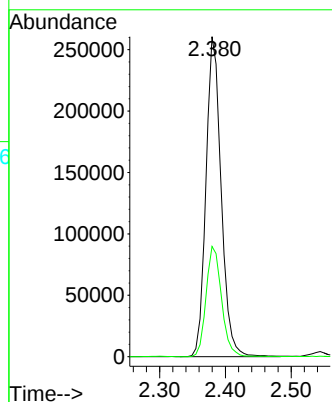
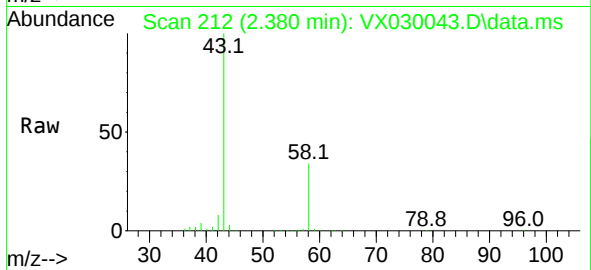




#16
Acetone
Concen: 403.435 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX030043.D
Acq: 13 Jul 2022 14:31

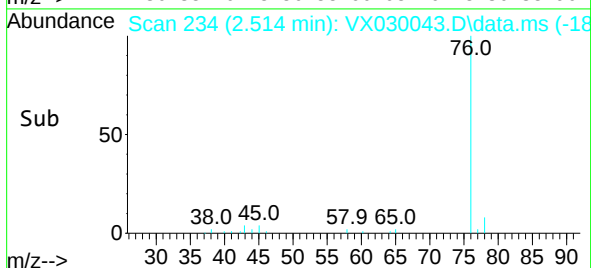
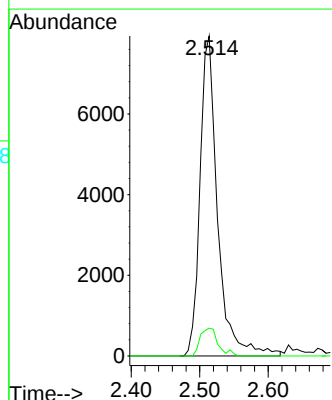
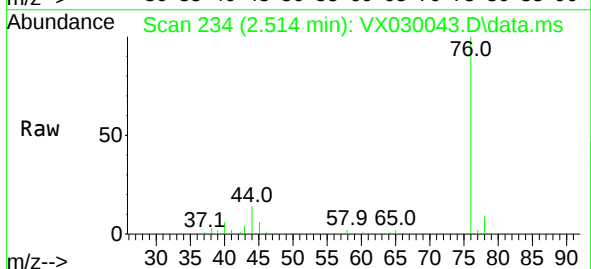
Instrument :
MSVOA_X
ClientSampleId :
SPC-01D-84

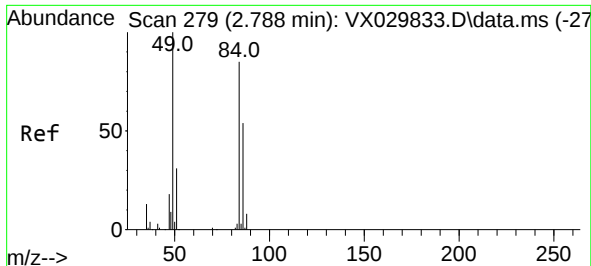
Tgt Ion: 43 Resp: 418952
Ion Ratio Lower Upper
43 100
58 34.5 27.7 41.5



#17
Carbon Disulfide
Concen: 2.387 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX030043.D
Acq: 13 Jul 2022 14:31

Tgt Ion: 76 Resp: 14174
Ion Ratio Lower Upper
76 100
78 8.7 7.8 11.6

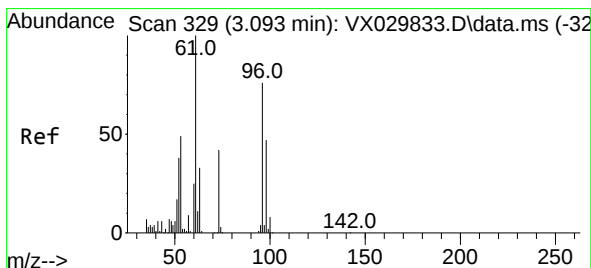
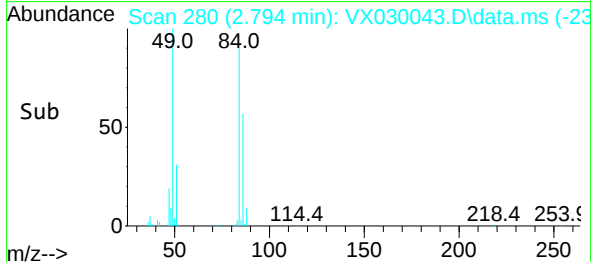
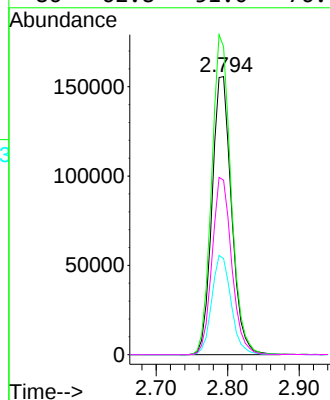
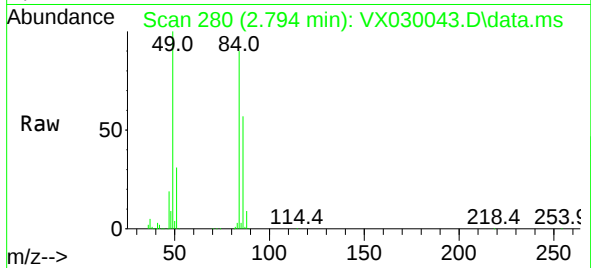




#20
Methylene Chloride
Concen: 144.371 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030043.D
Acq: 13 Jul 2022 14:31

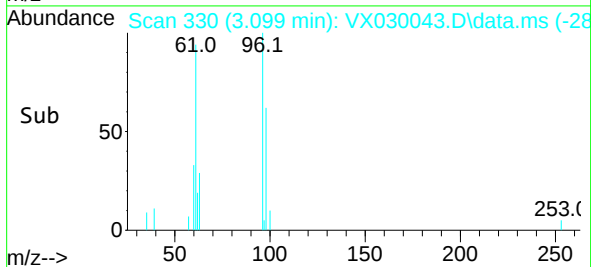
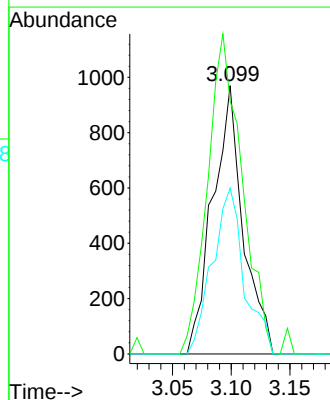
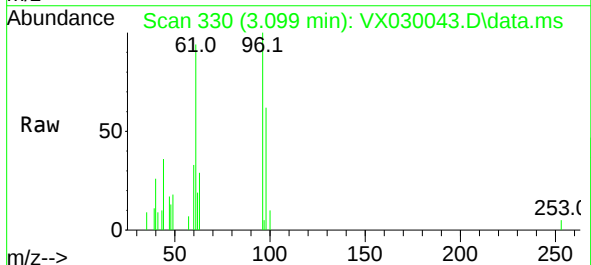
Instrument :
MSVOA_X
ClientSampleId :
SPC-01D-84

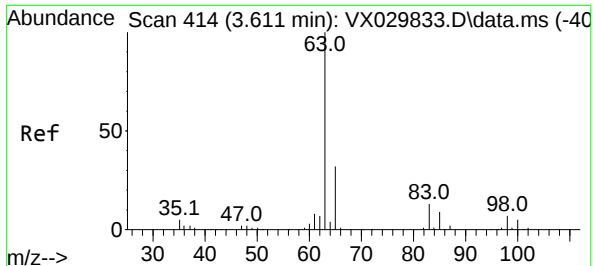
Tgt Ion: 84 Resp: 295630
Ion Ratio Lower Upper
84 100
49 110.7 93.8 140.6
51 34.6 29.4 44.0
86 62.8 51.0 76.4



#21
trans-1,2-Dichloroethene
Concen: 0.908 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX030043.D
Acq: 13 Jul 2022 14:31

Tgt Ion: 96 Resp: 1746
Ion Ratio Lower Upper
96 100
61 94.2 105.6 158.4#
98 61.8 50.1 75.1

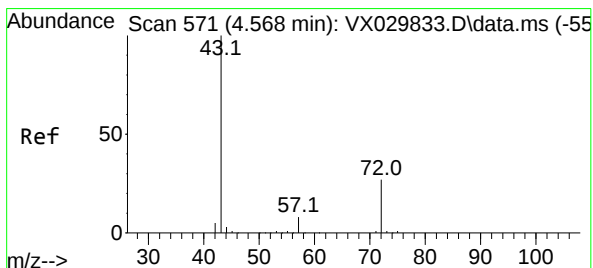
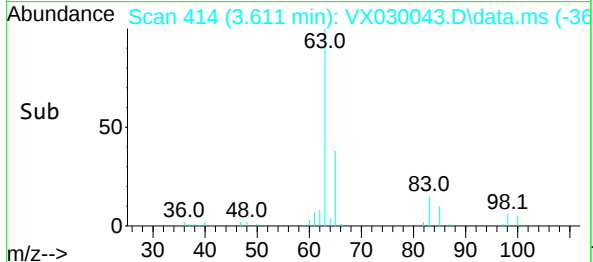
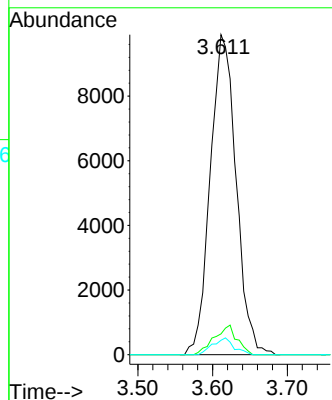
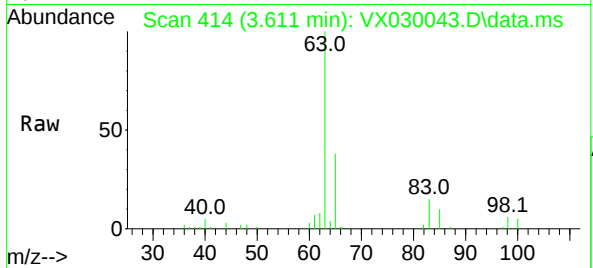




#24
 1,1-Dichloroethane
 Concen: 6.810 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. 0.000 min
 Lab File: VX030043.D
 Acq: 13 Jul 2022 14:31

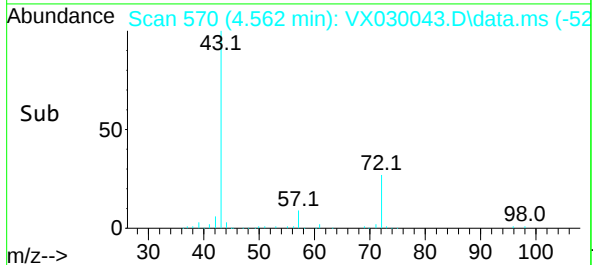
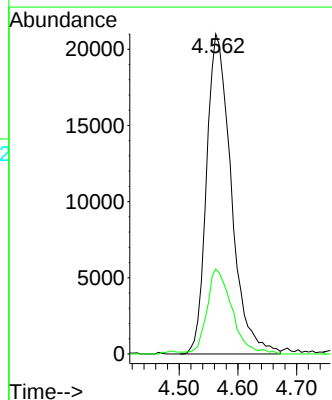
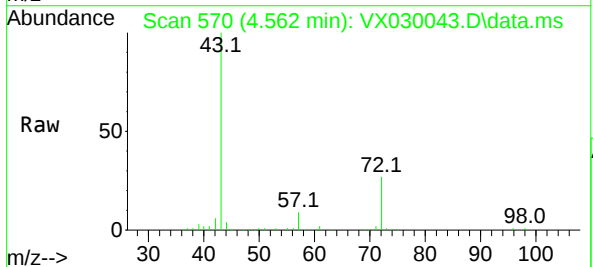
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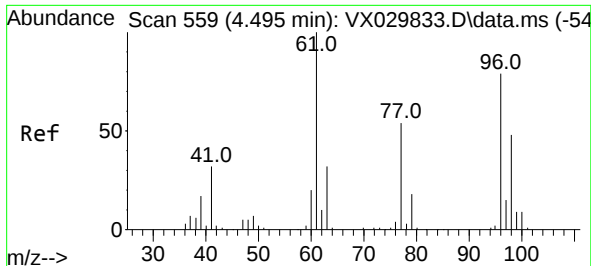
Tgt Ion: 63 Resp: 23811
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.5 10.5
 100 4.5 2.3 6.9



#25
 2-Butanone
 Concen: 34.563 ug/l
 RT: 4.562 min Scan# 570
 Delta R.T. -0.006 min
 Lab File: VX030043.D
 Acq: 13 Jul 2022 14:31

Tgt Ion: 43 Resp: 61140
 Ion Ratio Lower Upper
 43 100
 72 26.5 21.7 32.5

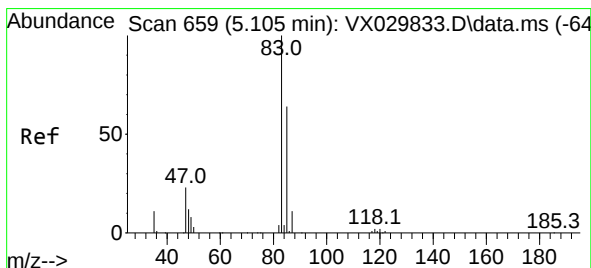
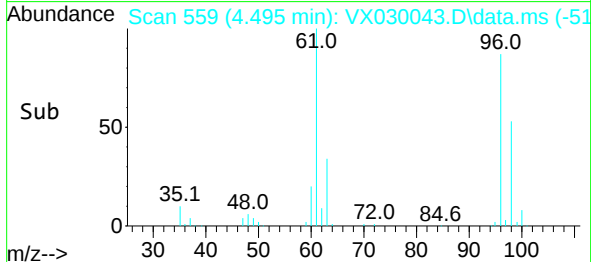
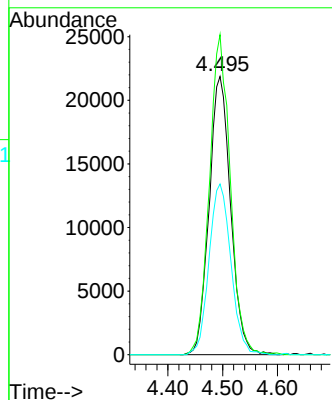
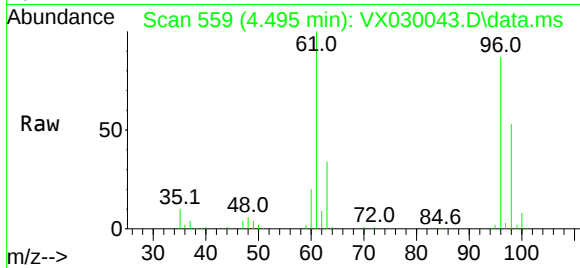




#27
 cis-1,2-Dichloroethene
 Concen: 25.249 ug/l
 RT: 4.495 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX030043.D
 Acq: 13 Jul 2022 14:31

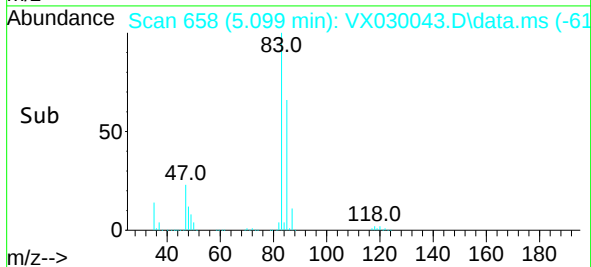
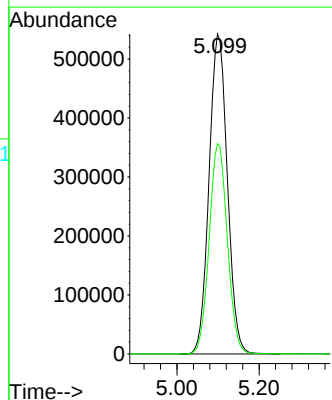
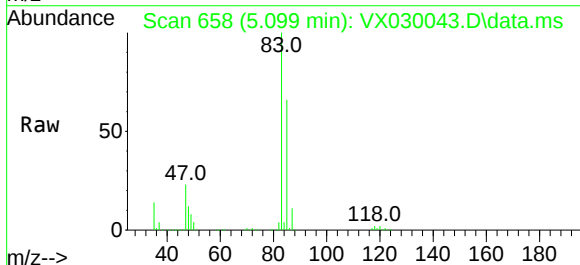
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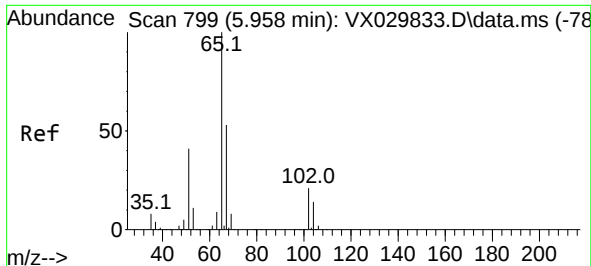
Tgt Ion: 96 Resp: 59453
 Ion Ratio Lower Upper
 96 100
 61 111.6 0.0 270.0
 98 62.5 0.0 127.8



#30
 Chloroform
 Concen: 480.369 ug/l
 RT: 5.099 min Scan# 658
 Delta R.T. -0.006 min
 Lab File: VX030043.D
 Acq: 13 Jul 2022 14:31

Tgt Ion: 83 Resp: 1673933
 Ion Ratio Lower Upper
 83 100
 85 65.7 51.5 77.3





#33

1,2-Dichloroethane-d4

Concen: 45.456 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX030043.D

Acq: 13 Jul 2022 14:31

Instrument :

MSVOA_X

ClientSampleId :

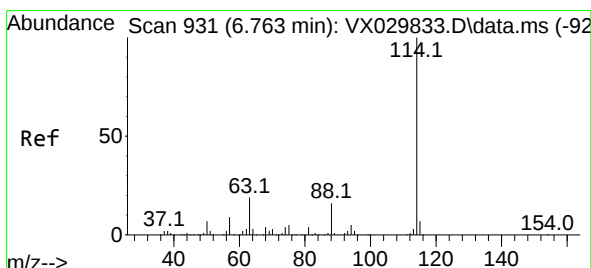
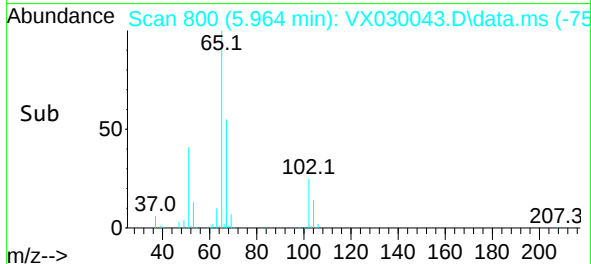
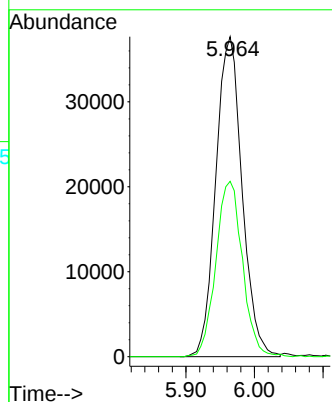
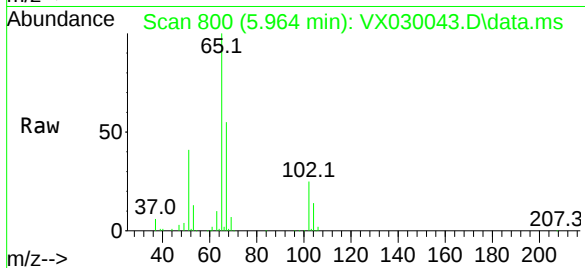
SPC-01D-84

Tgt Ion: 65 Resp: 100178

Ion Ratio Lower Upper

65 100

67 55.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX030043.D

Acq: 13 Jul 2022 14:31

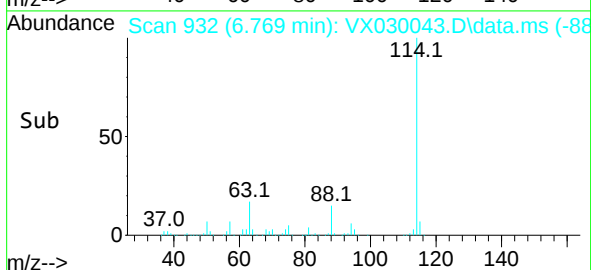
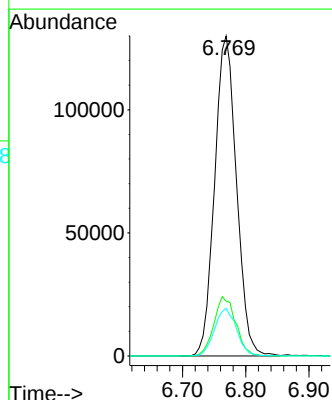
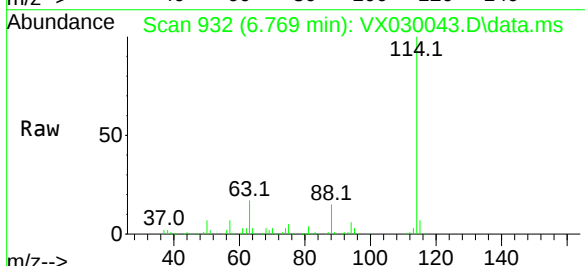
Tgt Ion: 114 Resp: 311508

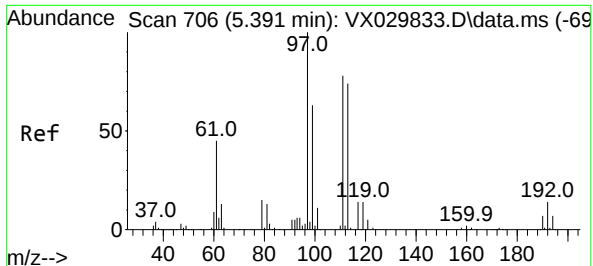
Ion Ratio Lower Upper

114 100

63 17.1 0.0 38.4

88 14.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 46.918 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030043.D

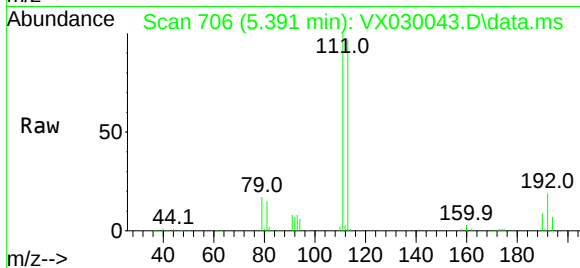
Acq: 13 Jul 2022 14:31

Instrument :

MSVOA_X

ClientSampleId :

SPC-01D-84



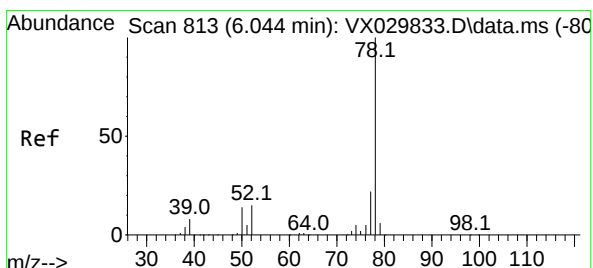
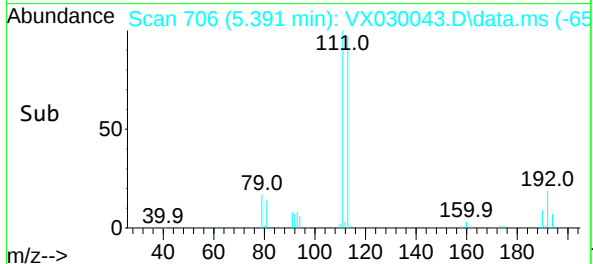
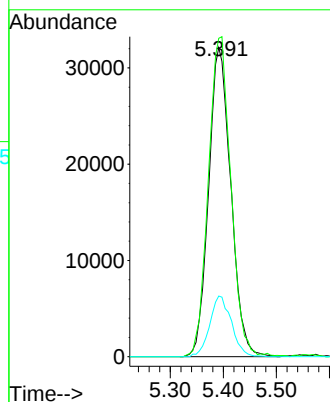
Tgt Ion:113 Resp: 93368

Ion Ratio Lower Upper

113 100

111 105.0 83.2 124.8

192 19.1 14.8 22.2



#40

Benzene

Concen: 0.335 ug/l

RT: 6.050 min Scan# 814

Delta R.T. 0.006 min

Lab File: VX030043.D

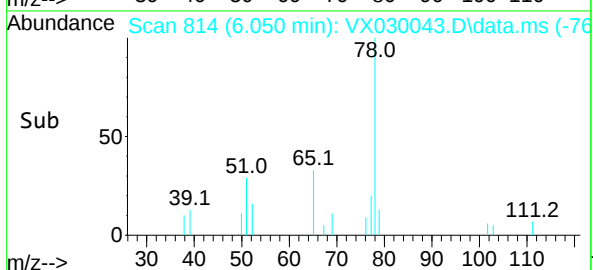
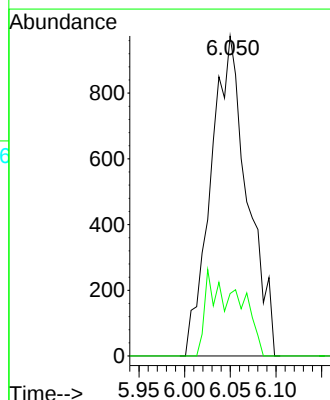
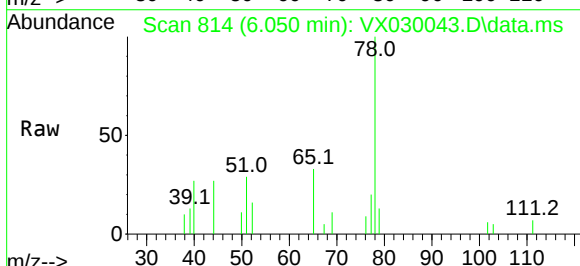
Acq: 13 Jul 2022 14:31

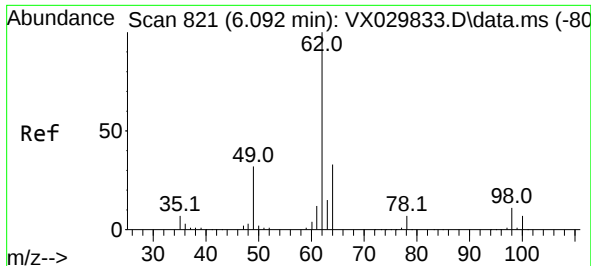
Tgt Ion: 78 Resp: 2712

Ion Ratio Lower Upper

78 100

77 19.5 18.0 27.0





#42

1,2-Dichloroethane

Concen: 0.786 ug/l

RT: 6.092 min Scan# 821

Delta R.T. 0.000 min

Lab File: VX030043.D

Acq: 13 Jul 2022 14:31

Instrument :

MSVOA_X

ClientSampleId :

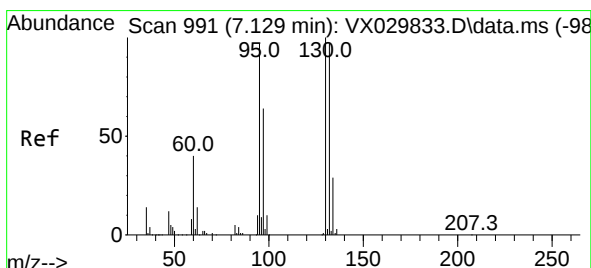
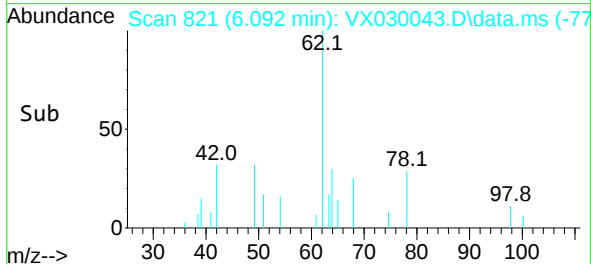
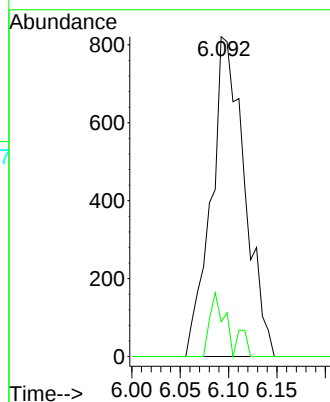
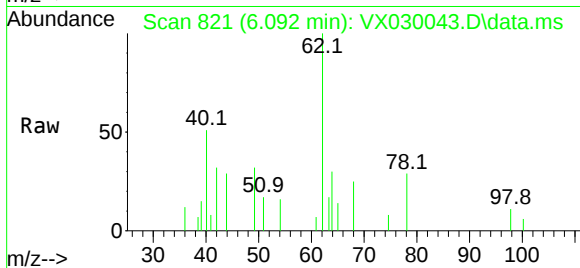
SPC-01D-84

Tgt Ion: 62 Resp: 1970

Ion Ratio Lower Upper

62 100

98 8.6 0.0 20.2



#44

Trichloroethene

Concen: 405.056 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX030043.D

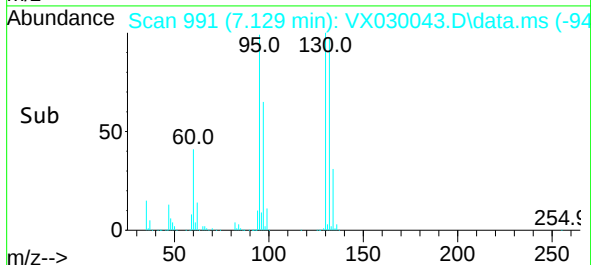
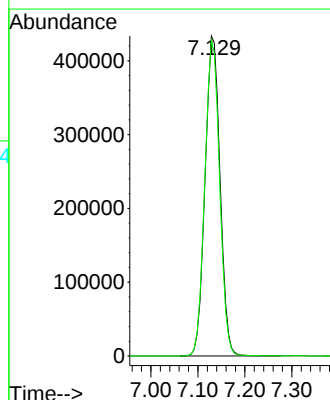
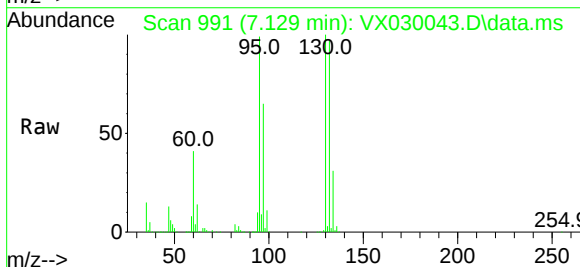
Acq: 13 Jul 2022 14:31

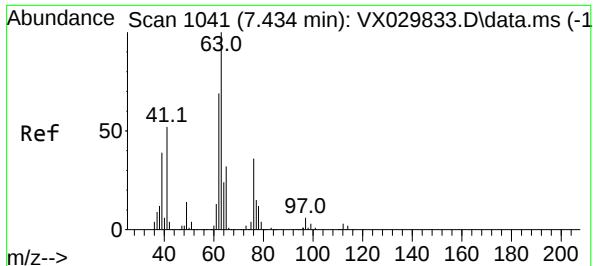
Tgt Ion:130 Resp: 957623

Ion Ratio Lower Upper

130 100

95 98.7 0.0 194.8





#45

1,2-Dichloropropane

Concen: 2.098 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VX030043.D

Acq: 13 Jul 2022 14:31

Instrument :

MSVOA_X

ClientSampleId :

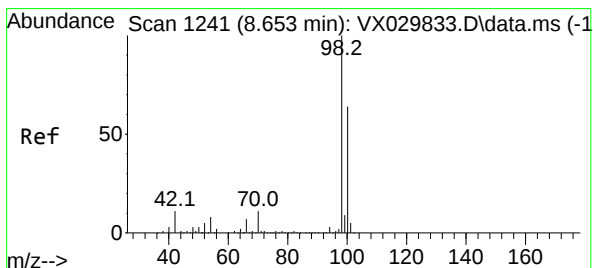
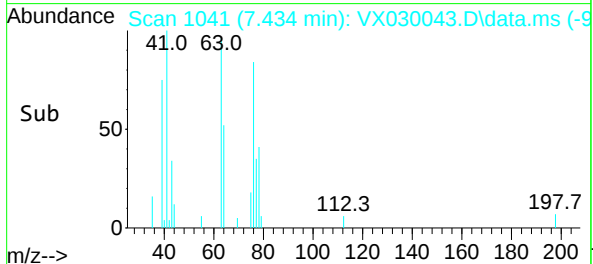
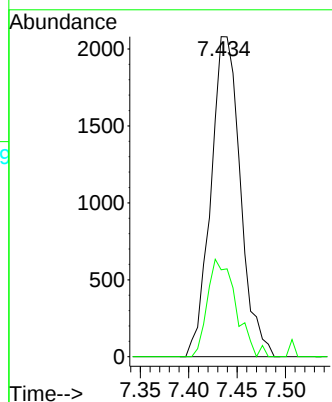
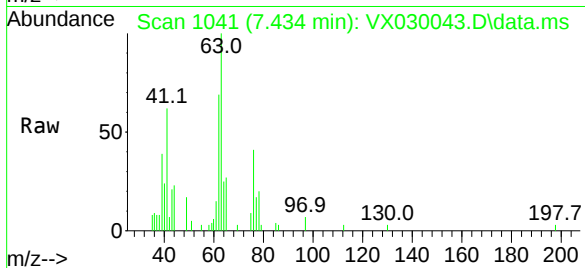
SPC-01D-84

Tgt Ion: 63 Resp: 4411

Ion Ratio Lower Upper

63 100

65 27.2 25.2 37.8



#50

Toluene-d8

Concen: 48.741 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX030043.D

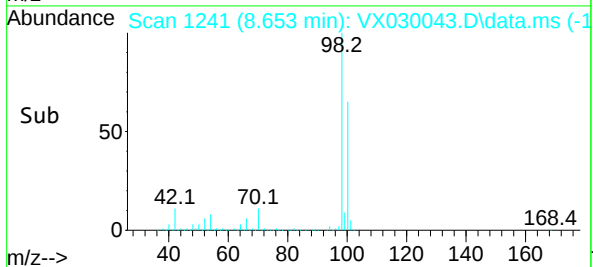
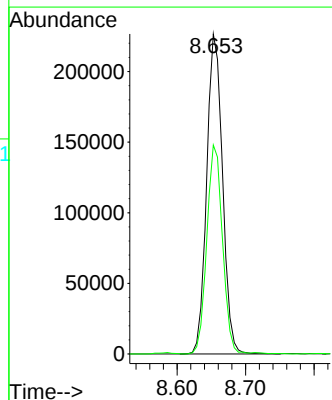
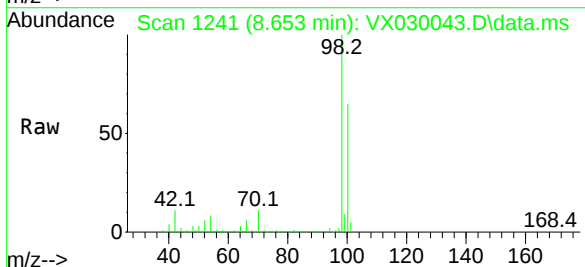
Acq: 13 Jul 2022 14:31

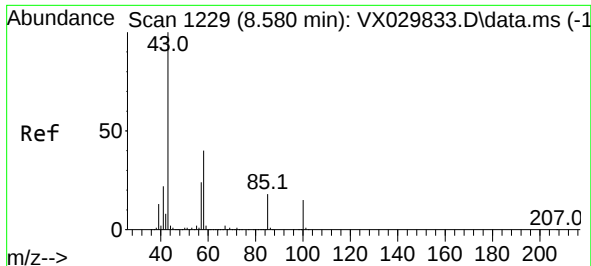
Tgt Ion: 98 Resp: 364794

Ion Ratio Lower Upper

98 100

100 64.7 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 2.674 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VX030043.D

Acq: 13 Jul 2022 14:31

Instrument :

MSVOA_X

ClientSampleId :

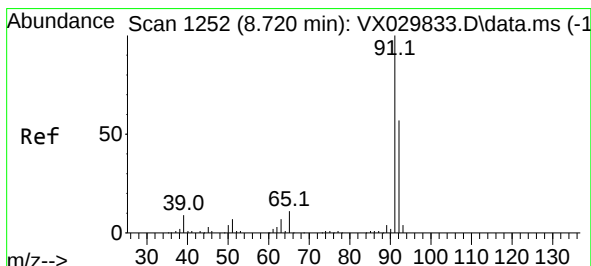
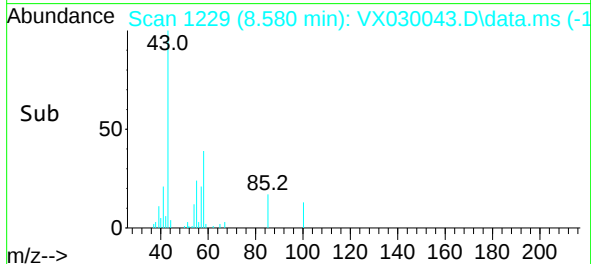
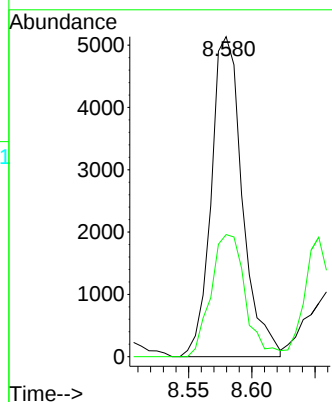
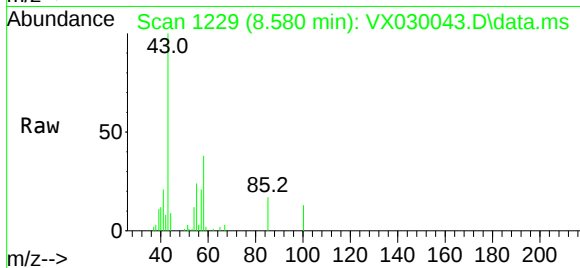
SPC-01D-84

Tgt Ion: 43 Resp: 8789

Ion Ratio Lower Upper

43 100

58 41.9 31.4 47.2



#52

Toluene

Concen: 2.780 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX030043.D

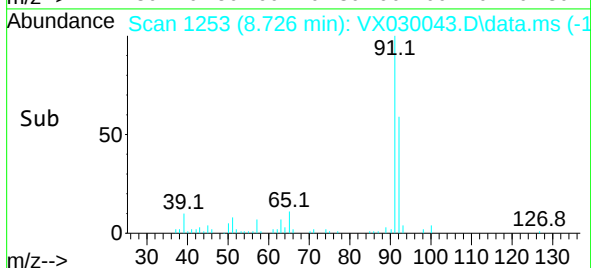
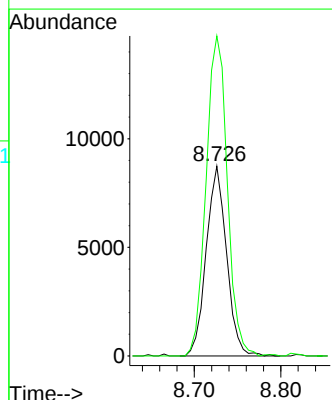
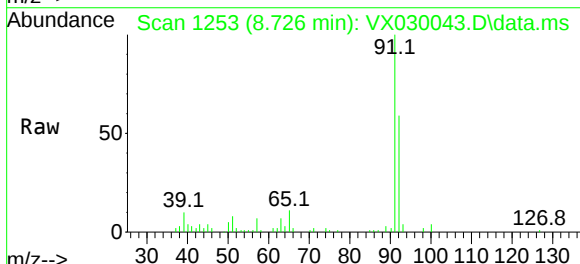
Acq: 13 Jul 2022 14:31

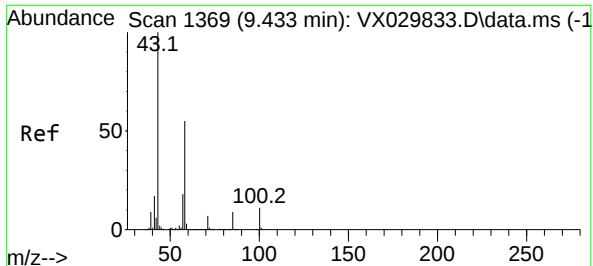
Tgt Ion: 92 Resp: 14281

Ion Ratio Lower Upper

92 100

91 175.7 139.2 208.8





#59

2-Hexanone

Concen: 5.075 ug/l

RT: 9.439 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX030043.D

Acq: 13 Jul 2022 14:31

Instrument :

MSVOA_X

ClientSampleId :

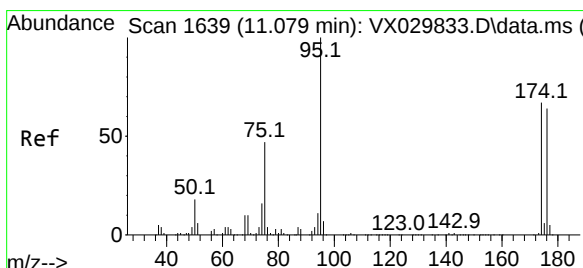
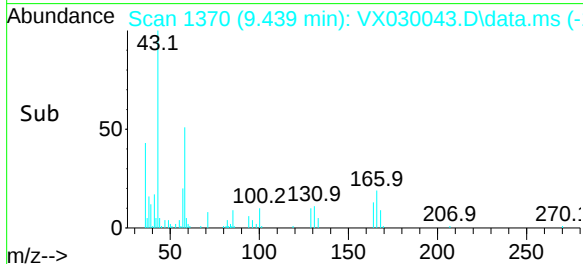
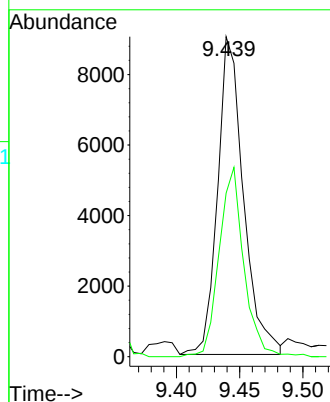
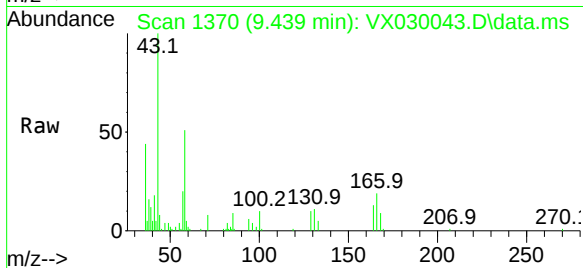
SPC-01D-84

Tgt Ion: 43 Resp: 12791

Ion Ratio Lower Upper

43 100

58 57.2 27.6 82.8



#62

4-Bromofluorobenzene

Concen: 49.886 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX030043.D

Acq: 13 Jul 2022 14:31

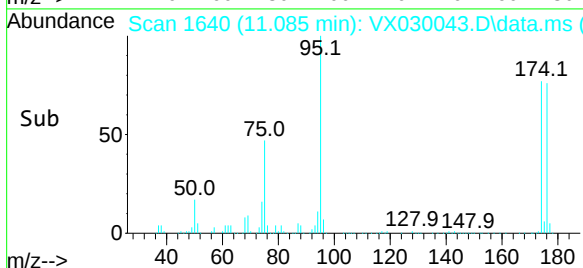
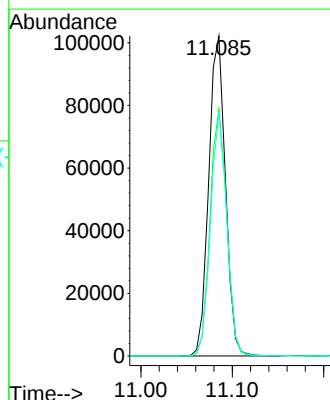
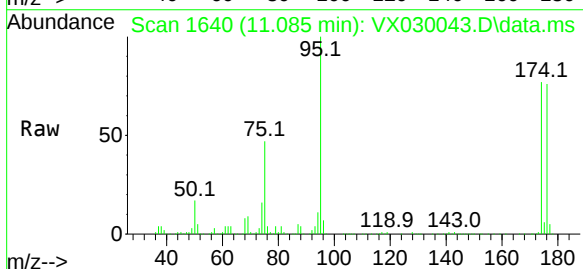
Tgt Ion: 95 Resp: 129570

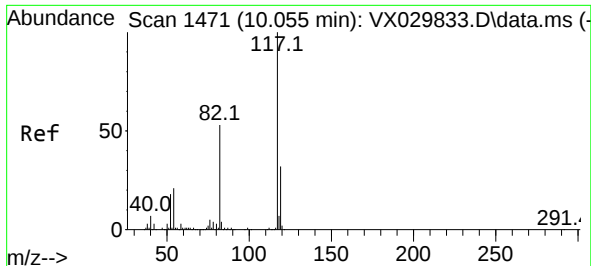
Ion Ratio Lower Upper

95 100

174 76.6 0.0 149.0

176 74.4 0.0 146.0

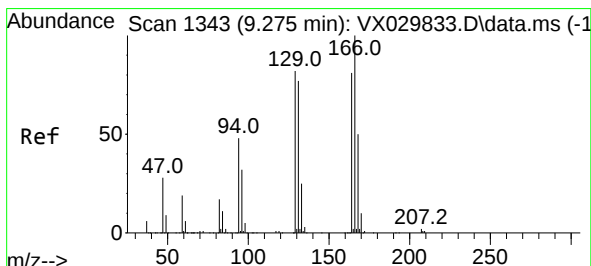
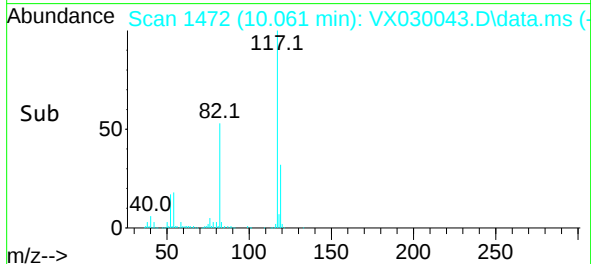
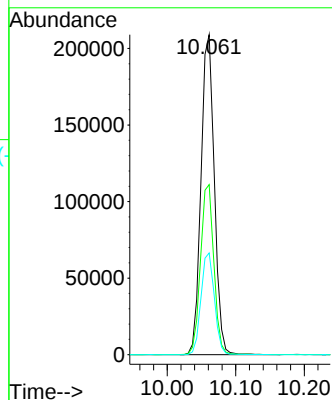
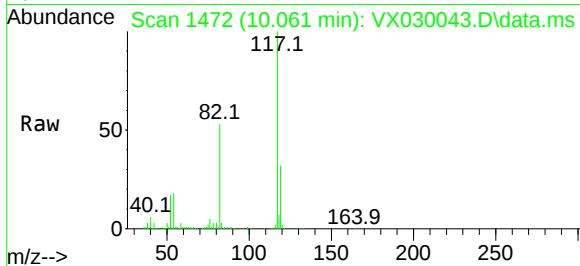




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX030043.D
Acq: 13 Jul 2022 14:31

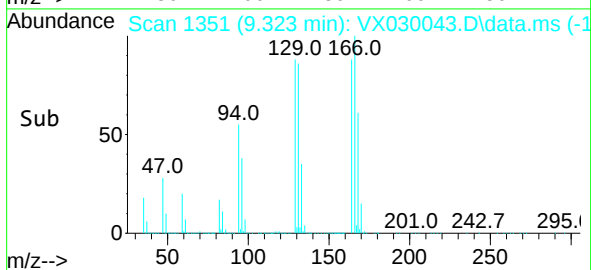
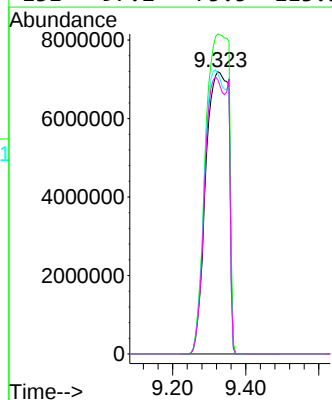
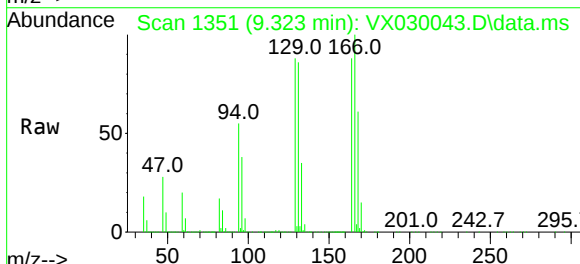
Instrument :
MSVOA_X
ClientSampleId :
SPC-01D-84

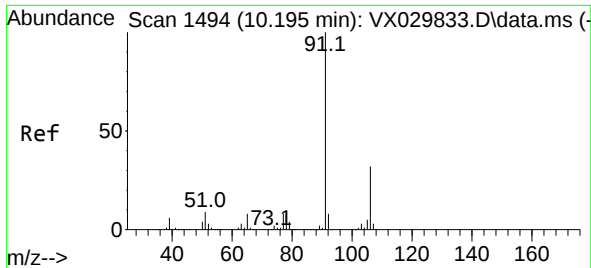
Tgt Ion:117 Resp: 283865
Ion Ratio Lower Upper
117 100
82 53.1 42.7 64.1
119 31.8 25.4 38.2



#64
Tetrachloroethene
Concen: 13688.035 ug/l
RT: 9.323 min Scan# 1351
Delta R.T. 0.048 min
Lab File: VX030043.D
Acq: 13 Jul 2022 14:31

Tgt Ion:164 Resp:31190758
Ion Ratio Lower Upper
164 100
166 113.3 98.2 147.4
129 99.4 80.8 121.2
131 97.2 75.5 113.3

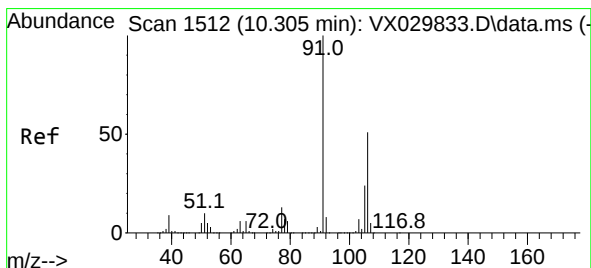
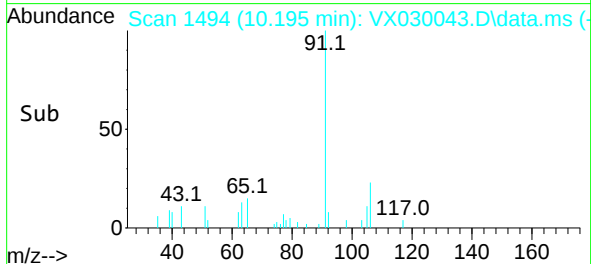
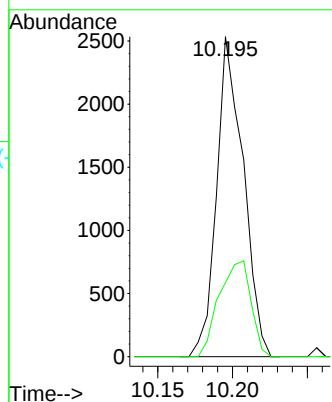
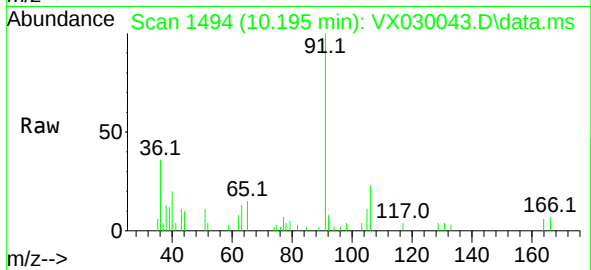




#67
Ethyl Benzene
Concen: 0.328 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX030043.D
Acq: 13 Jul 2022 14:31

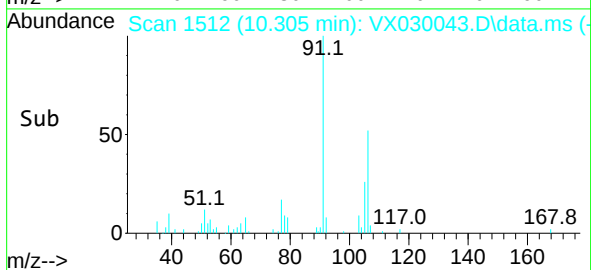
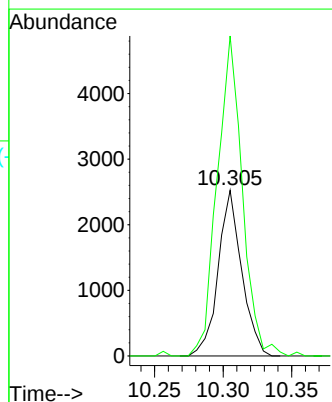
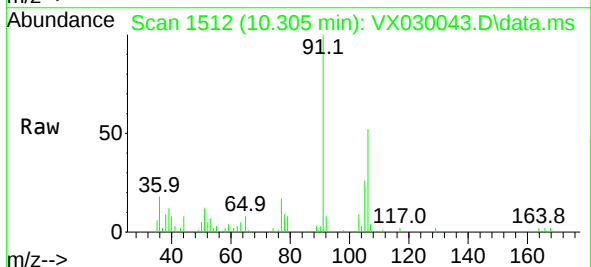
Instrument :
MSVOA_X
ClientSampleId :
SPC-01D-84

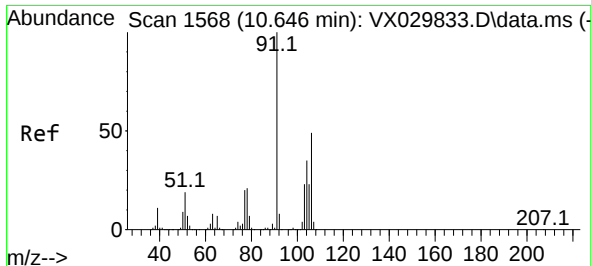
Tgt Ion: 91 Resp: 3142
Ion Ratio Lower Upper
91 100
106 23.2 25.5 38.3#



#68
m/p-Xylenes
Concen: 0.804 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX030043.D
Acq: 13 Jul 2022 14:31

Tgt Ion: 106 Resp: 3020
Ion Ratio Lower Upper
106 100
91 206.3 158.2 237.4

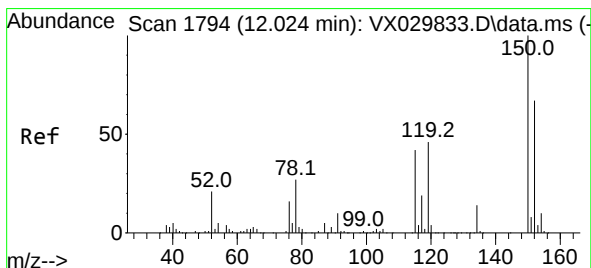
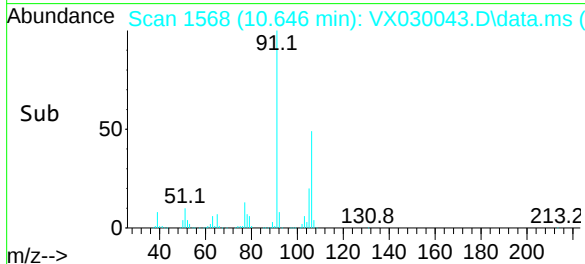
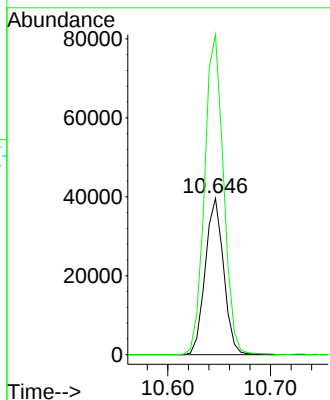
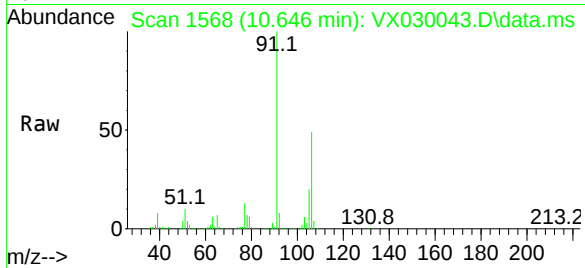




#69
o-Xylene
Concen: 13.106 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030043.D
Acq: 13 Jul 2022 14:31

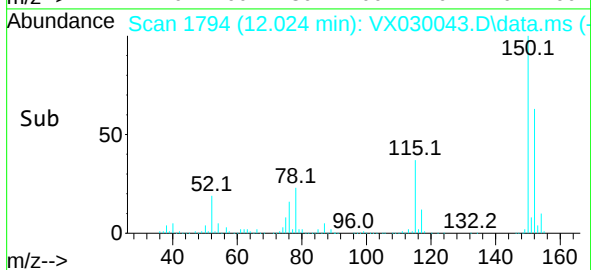
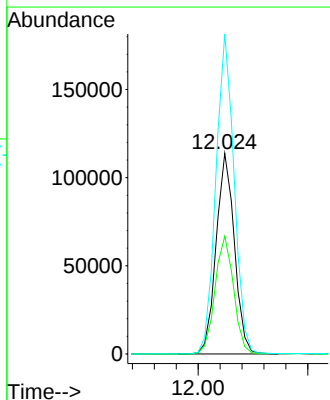
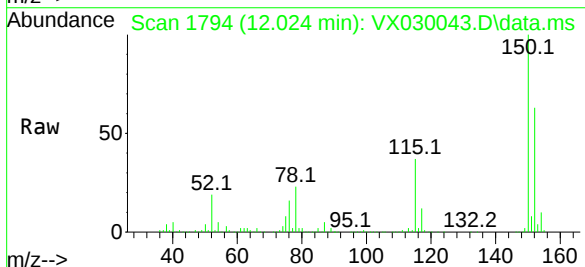
Instrument :
MSVOA_X
ClientSampleId :
SPC-01D-84

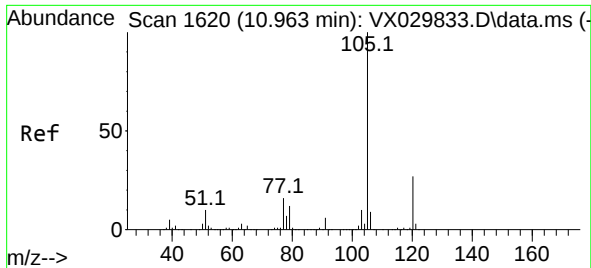
Tgt Ion:106 Resp: 49309
Ion Ratio Lower Upper
106 100
91 211.7 103.8 311.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030043.D
Acq: 13 Jul 2022 14:31

Tgt Ion:152 Resp: 132021
Ion Ratio Lower Upper
152 100
115 59.4 40.5 121.5
150 159.0 0.0 347.0

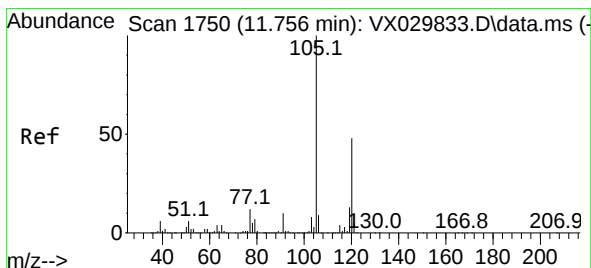
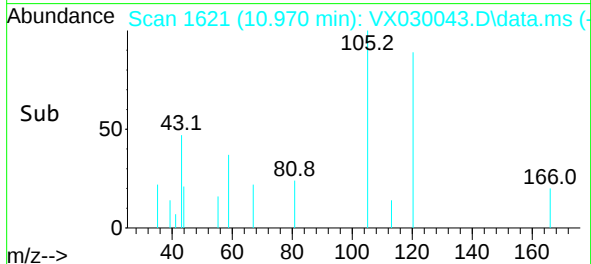
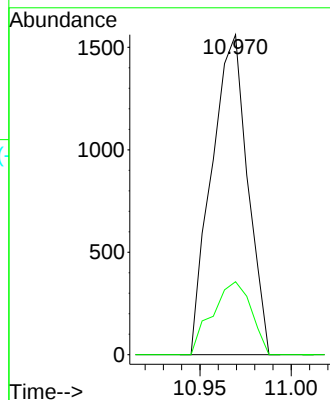
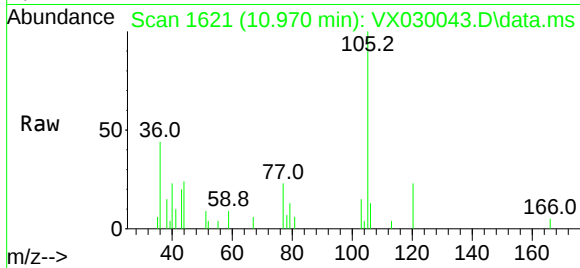




#73
Isopropylbenzene
Concen: 0.232 ug/l
RT: 10.970 min Scan# 1621
Delta R.T. 0.007 min
Lab File: VX030043.D
Acq: 13 Jul 2022 14:31

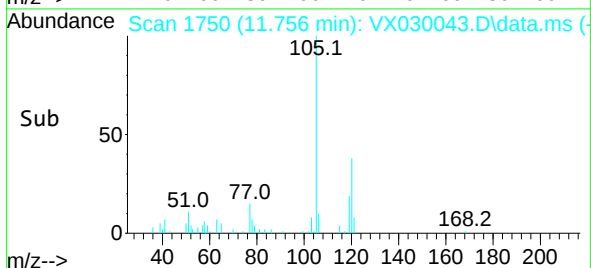
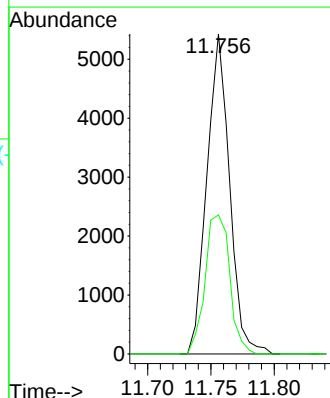
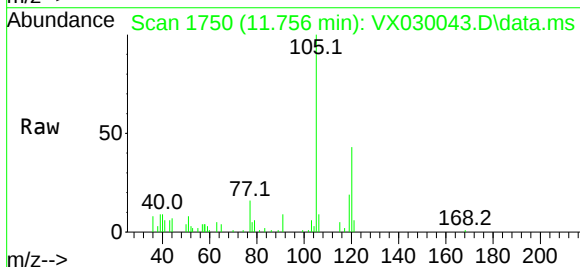
Instrument :
MSVOA_X
ClientSampleId :
SPC-01D-84

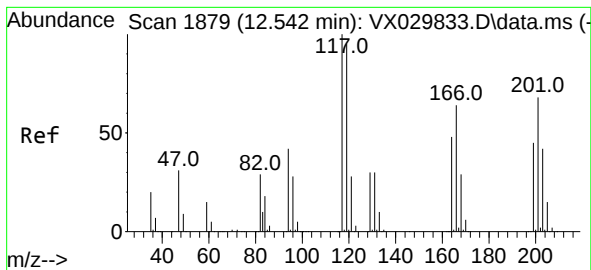
Tgt Ion:105 Resp: 2133
Ion Ratio Lower Upper
105 100
120 24.7 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 0.884 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX030043.D
Acq: 13 Jul 2022 14:31

Tgt Ion:105 Resp: 6776
Ion Ratio Lower Upper
105 100
120 47.3 22.9 68.8





#90

Hexachloroethane

Concen: 7.094 ug/l

RT: 12.542 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX030043.D

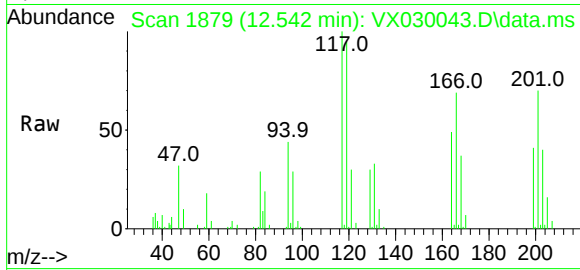
Acq: 13 Jul 2022 14:31

Instrument :

MSVOA_X

ClientSampleId :

SPC-01D-84



Tgt Ion:117 Resp: 9554

Ion Ratio Lower Upper

117 100

201 69.6 34.2 102.5

