

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071322\
 Data File : VX030042.D
 Acq On : 13 Jul 2022 14:08
 Operator : JC/MD
 Sample : N3695-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPC-01C-84

Quant Time: Jul 14 04:55:48 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)

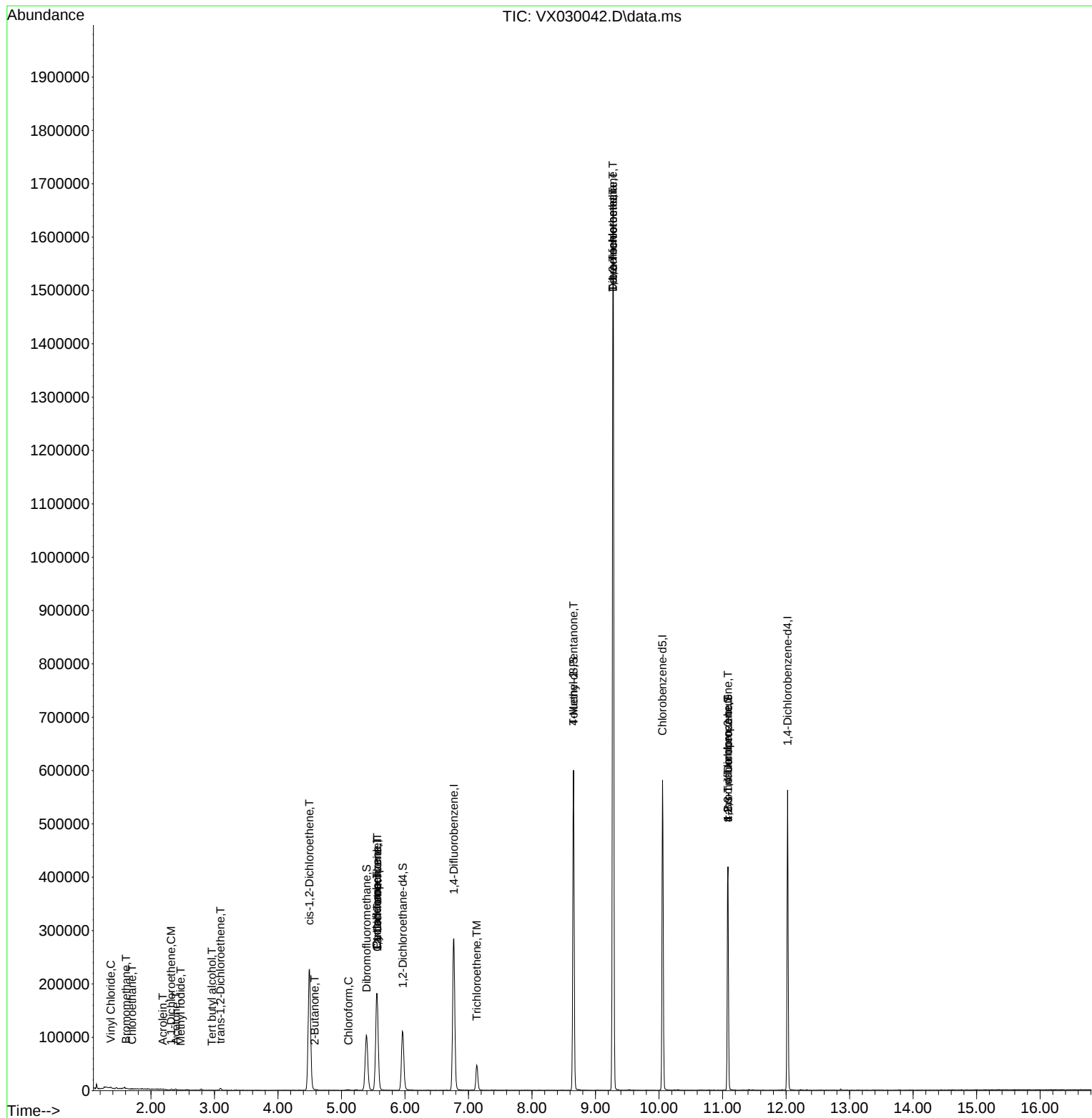
Internal Standards						
1) Pentafluorobenzene	5.556	168	181805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	311548	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	270302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	113934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	98741	44.621	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.240%		
35) Dibromofluoromethane	5.397	113	93612	47.035	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.060%		
50) Toluene-d8	8.653	98	354177	47.316	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.640%		
62) 4-Bromofluorobenzene	11.085	95	117208	45.121	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.240%		
Target Compounds						Qvalue
4) Vinyl Chloride	1.368	62	692	0.329	ug/l #	27
5) Bromomethane	1.605	94	247	0.276	ug/l #	58
6) Chloroethane	1.703	64	335	0.283	ug/l #	41
10) Methyl Iodide	2.465	142	171	2.497	ug/l #	87
11) Tert butyl alcohol	2.959	59	158	0.277	ug/l #	74
12) 1,1-Dichloroethene	2.319	96	588	0.317	ug/l #	91
13) Acrolein	2.184	56	28	0.246	ug/l #	14
16) Acetone	2.392	43	2202	2.112	ug/l	92
17) Carbon Disulfide	2.501	76	632	Below Cal	#	74
20) Methylene Chloride	2.788	84	833	Below Cal	#	91
21) trans-1,2-Dichloroethene	3.093	96	1392	0.721	ug/l	92
25) 2-Butanone	4.574	43	547	0.308	ug/l	90
27) cis-1,2-Dichloroethene	4.495	96	150346	63.589	ug/l	89
30) Chloroform	5.111	83	1457	0.416	ug/l #	56
31) Cyclohexane	5.556	56	3786	1.180	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	13839	5.383	ug/l #	48
38) Carbon Tetrachloride	5.562	117	17063	7.117	ug/l #	16
44) Trichloroethene	7.129	130	18186	7.691	ug/l	94
51) 4-Methyl-2-Pentanone	8.653	43	1641	0.499	ug/l #	1
55) 1,1,2-Trichloroethane	9.275	97	2618	1.236	ug/l #	1
60) Dibromochloromethane	9.275	129	303588	147.066	ug/l #	11
64) Tetrachloroethene	9.275	164	312199	143.883	ug/l	99
76) 1,2,3-Trichloropropane	11.085	75	54818	20.926	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	54818	60.393	ug/l #	12

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

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QLast Update : Wed Jul 13 09:05:23 2022
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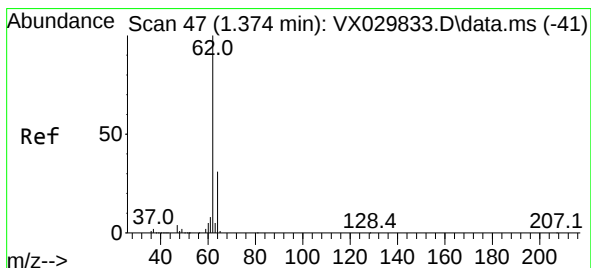
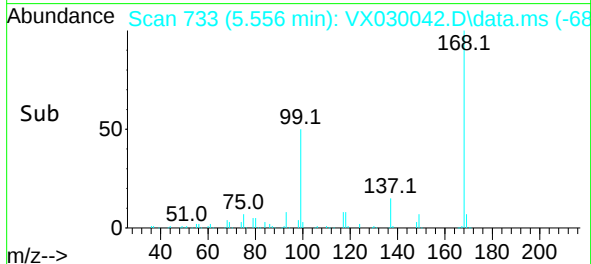
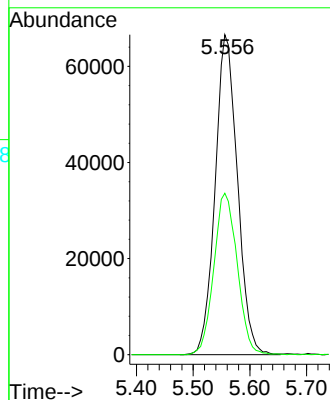
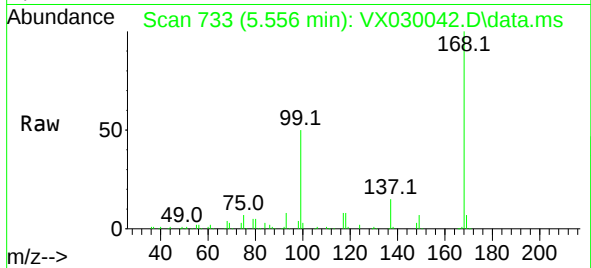




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030042.D
Acq: 13 Jul 2022 14:08

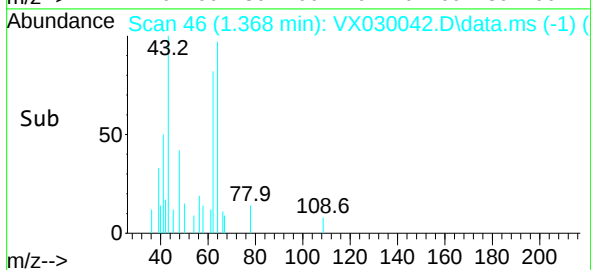
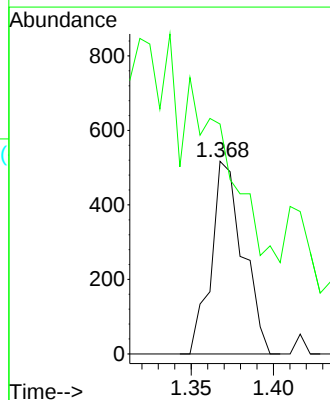
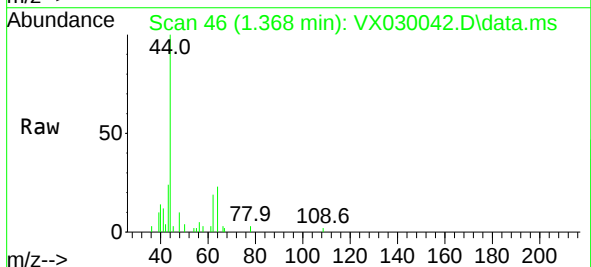
Instrument :
MSVOA_X
ClientSampleId :
SPC-01C-84

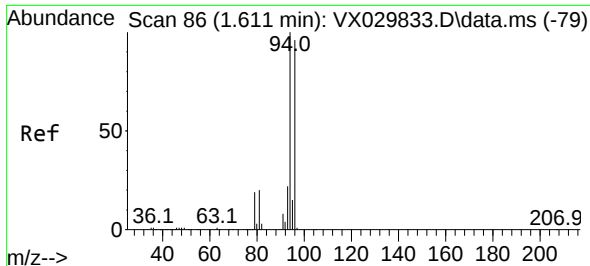
Tgt Ion:168 Resp: 181805
Ion Ratio Lower Upper
168 100
99 50.5 44.0 66.0



#4
Vinyl Chloride
Concen: 0.329 ug/l
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX030042.D
Acq: 13 Jul 2022 14:08

Tgt Ion: 62 Resp: 692
Ion Ratio Lower Upper
62 100
64 72.0 25.2 37.8#

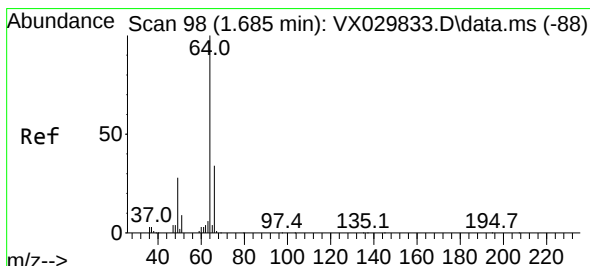
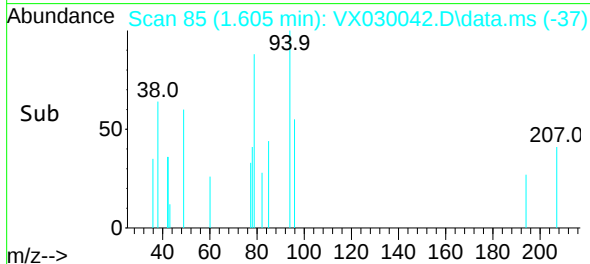
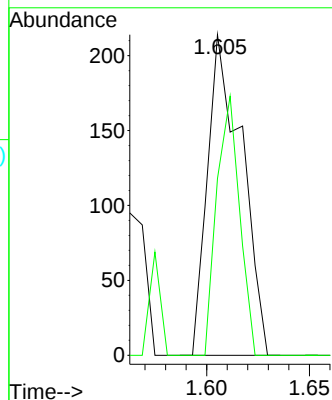
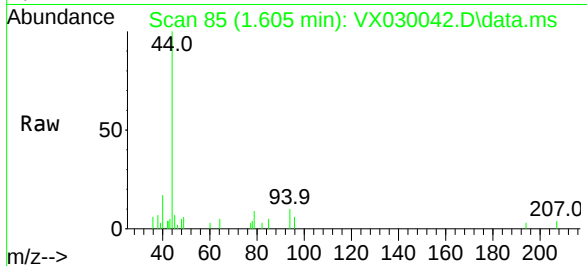




#5
Bromomethane
Concen: 0.276 ug/l
RT: 1.605 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX030042.D
Acq: 13 Jul 2022 14:08

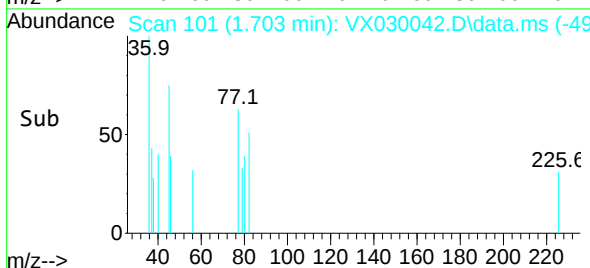
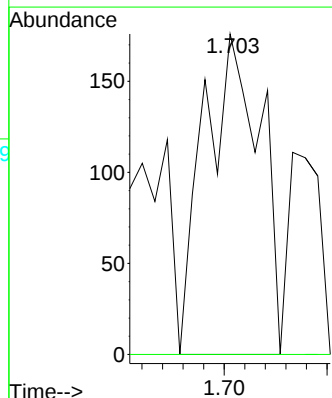
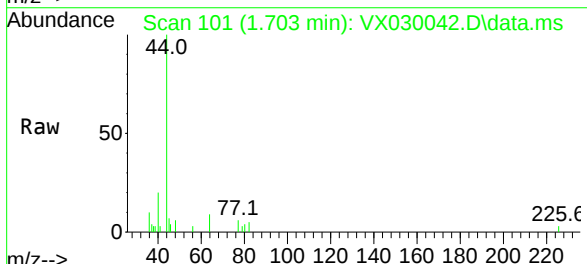
Instrument :
MSVOA_X
ClientSampleId :
SPC-01C-84

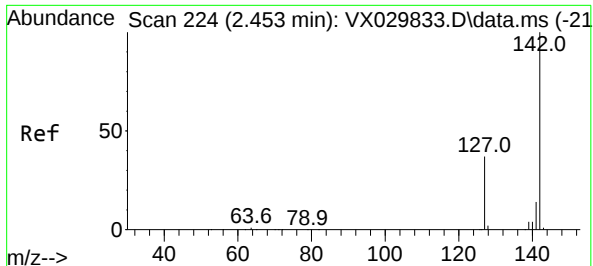
Tgt Ion: 94 Resp: 247
Ion Ratio Lower Upper
94 100
96 55.1 76.9 115.3#



#6
Chloroethane
Concen: 0.283 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.018 min
Lab File: VX030042.D
Acq: 13 Jul 2022 14:08

Tgt Ion: 64 Resp: 335
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

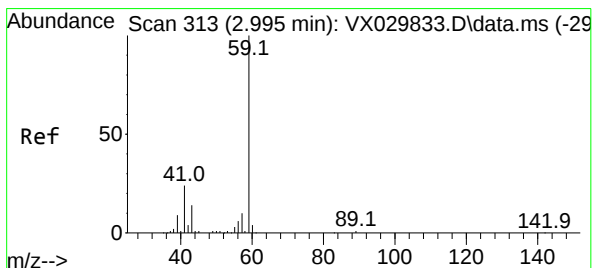
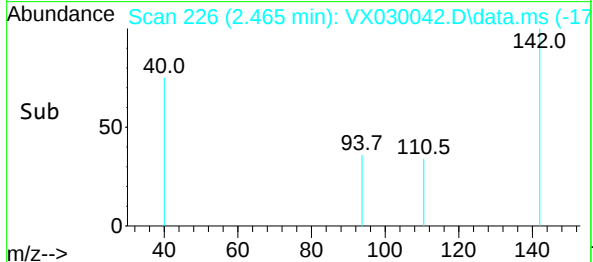
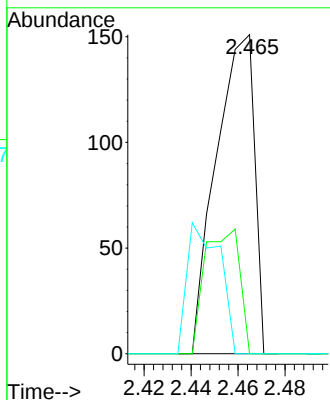
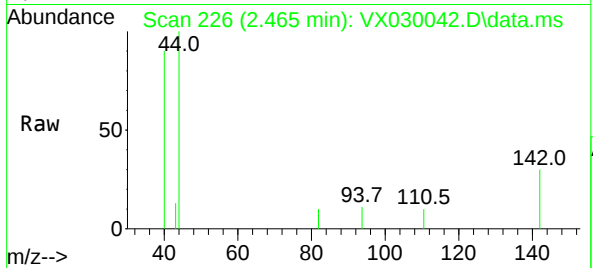




#10
Methyl Iodide
Concen: 2.497 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX030042.D
Acq: 13 Jul 2022 14:08

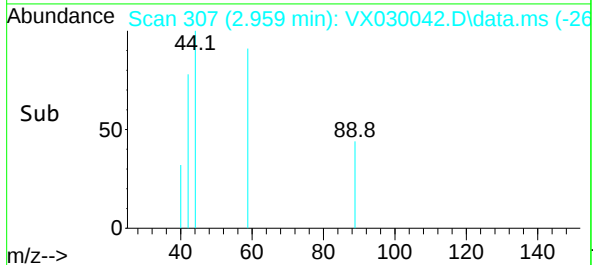
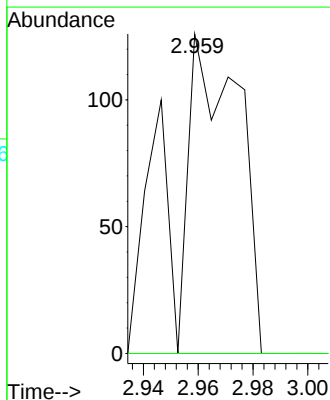
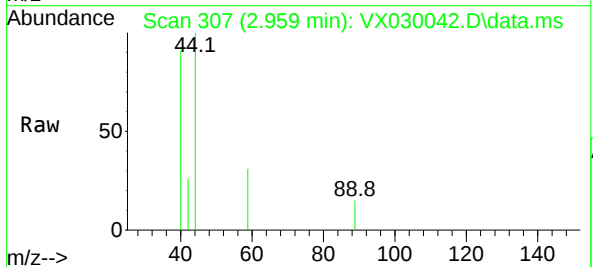
Instrument :
MSVOA_X
ClientSampleId :
SPC-01C-84

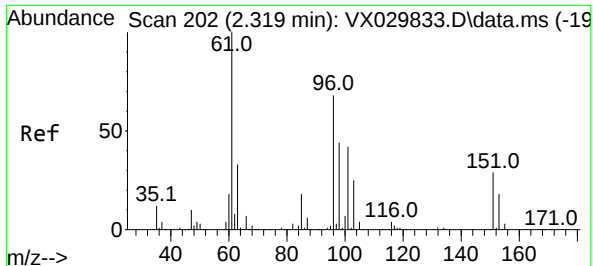
Tgt Ion:142 Resp: 171
Ion Ratio Lower Upper
142 100
127 35.1 30.2 45.2
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.277 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.036 min
Lab File: VX030042.D
Acq: 13 Jul 2022 14:08

Tgt Ion: 59 Resp: 158
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

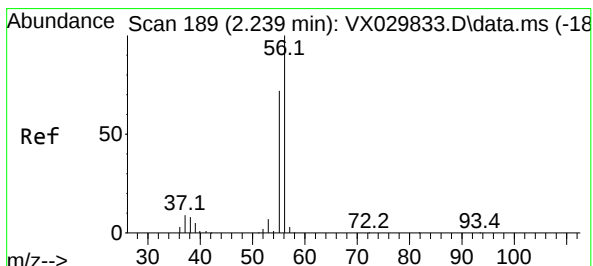
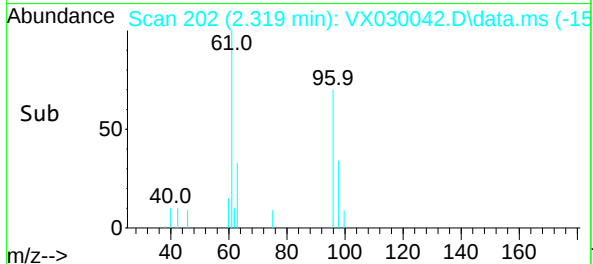
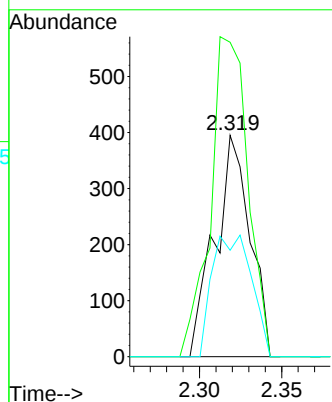
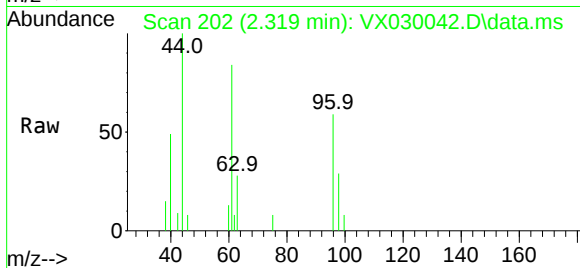




#12
1,1-Dichloroethene
Concen: 0.317 ug/l
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX030042.D
Acq: 13 Jul 2022 14:08

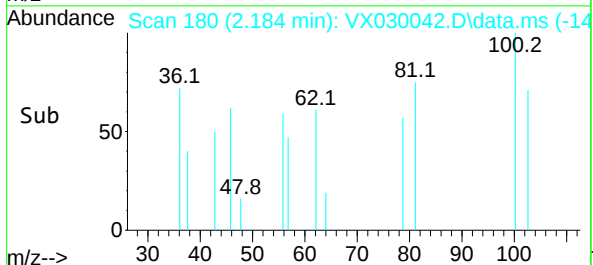
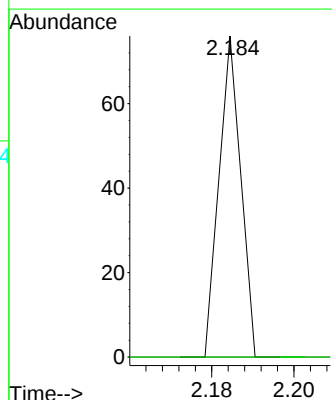
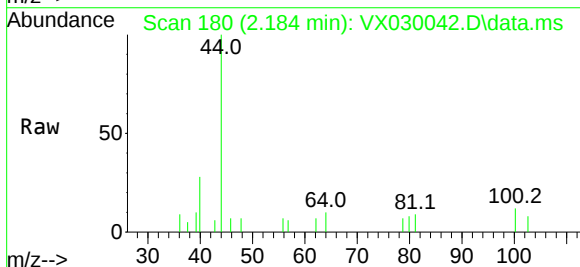
Instrument :
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ClientSampleId :
SPC-01C-84

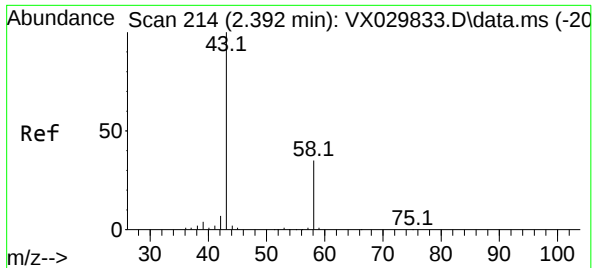
Tgt Ion: 96 Resp: 588
Ion Ratio Lower Upper
96 100
61 142.0 117.4 176.0
98 48.1 52.2 78.4#



#13
Acrolein
Concen: 0.246 ug/l
RT: 2.184 min Scan# 180
Delta R.T. -0.055 min
Lab File: VX030042.D
Acq: 13 Jul 2022 14:08

Tgt Ion: 56 Resp: 28
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#

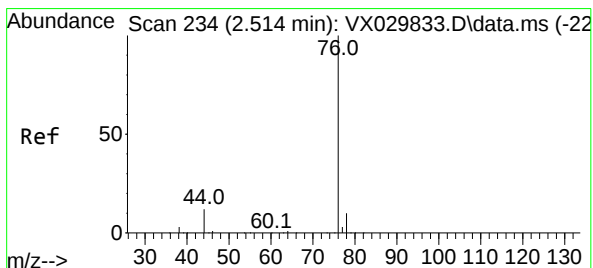
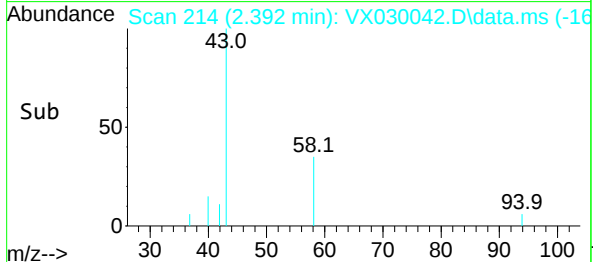
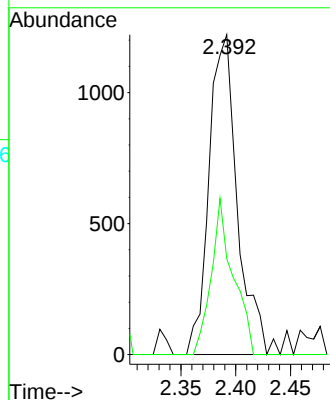
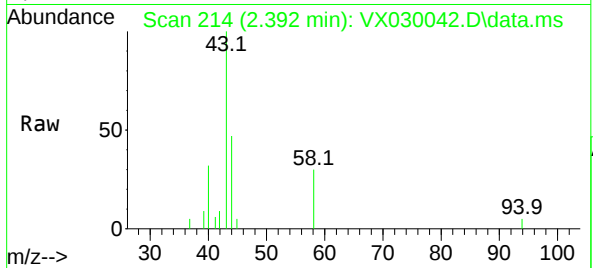




#16
Acetone
Concen: 2.112 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX030042.D
Acq: 13 Jul 2022 14:08

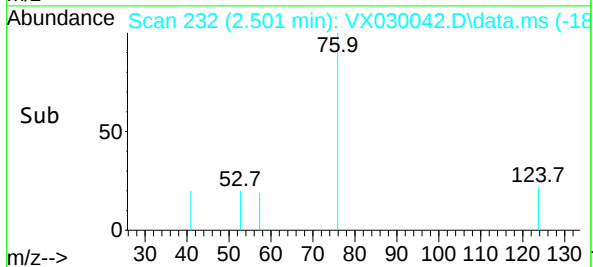
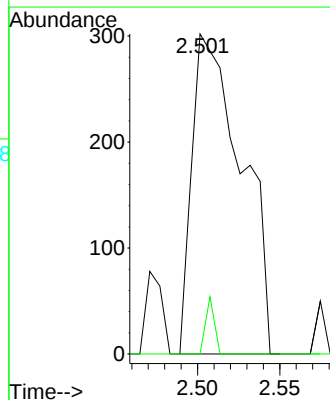
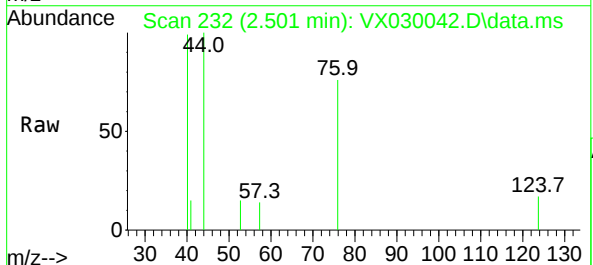
Instrument :
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ClientSampleId :
SPC-01C-84

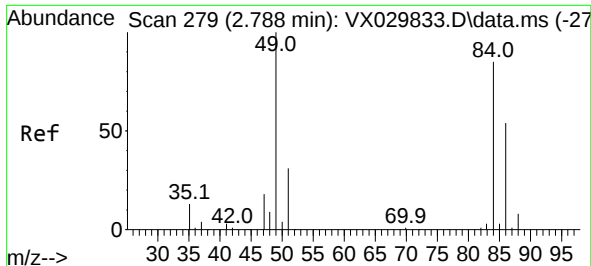
Tgt Ion: 43 Resp: 2202
Ion Ratio Lower Upper
43 100
58 30.0 27.7 41.5



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.501 min Scan# 232
Delta R.T. -0.013 min
Lab File: VX030042.D
Acq: 13 Jul 2022 14:08

Tgt Ion: 76 Resp: 632
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



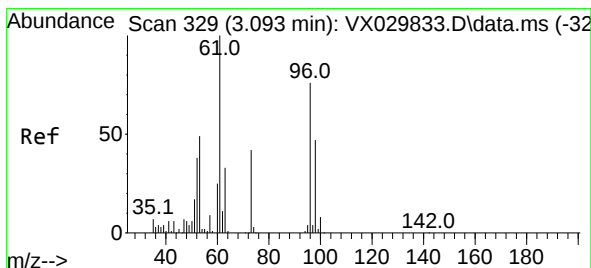
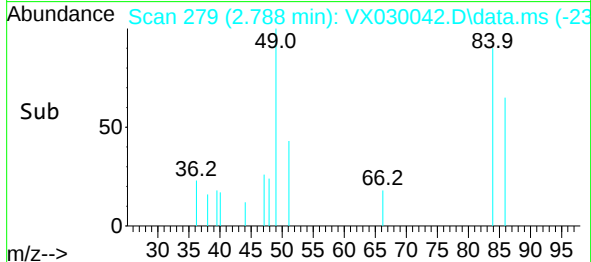
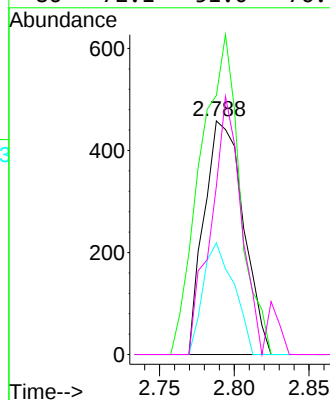
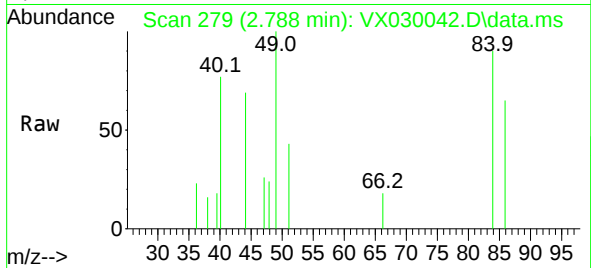


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX030042.D
Acq: 13 Jul 2022 14:08

Instrument :
MSVOA_X
ClientSampleId :
SPC-01C-84

Tgt Ion: 84 Resp: 833

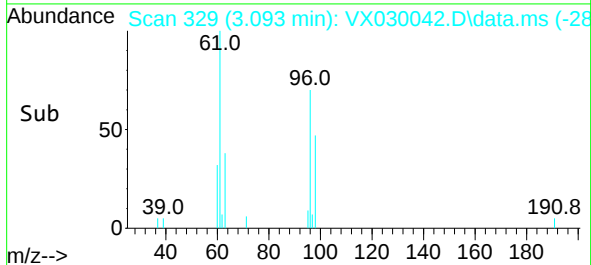
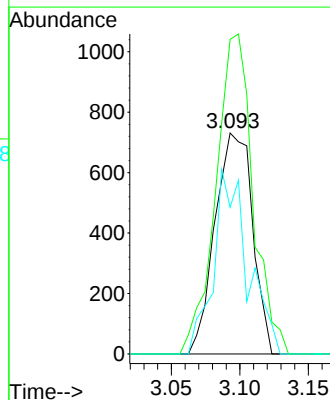
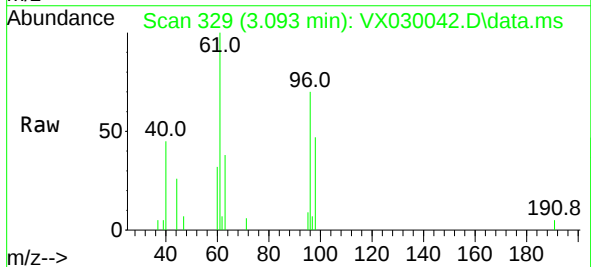
Ion	Ratio	Lower	Upper
84	100		
49	110.9	93.8	140.6
51	47.8	29.4	44.0
86	72.1	51.0	76.4

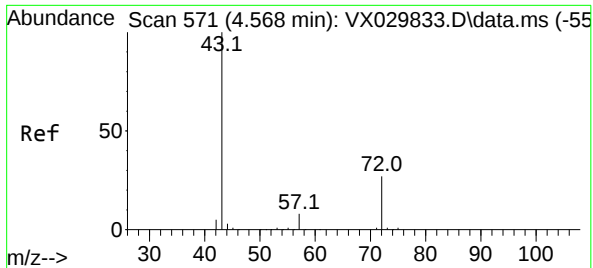


#21
trans-1,2-Dichloroethene
Concen: 0.721 ug/l
RT: 3.093 min Scan# 329
Delta R.T. -0.000 min
Lab File: VX030042.D
Acq: 13 Jul 2022 14:08

Tgt Ion: 96 Resp: 1392

Ion	Ratio	Lower	Upper
96	100		
61	142.4	105.6	158.4
98	66.3	50.1	75.1

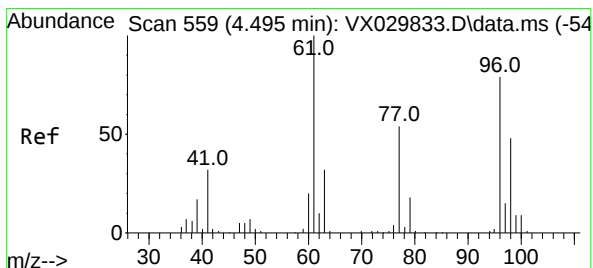
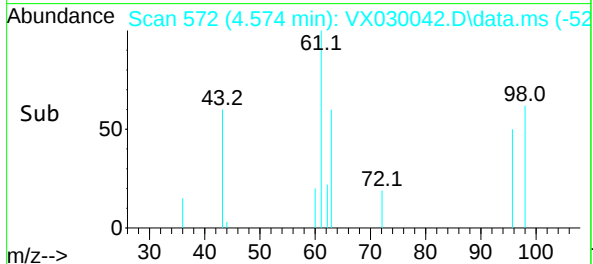
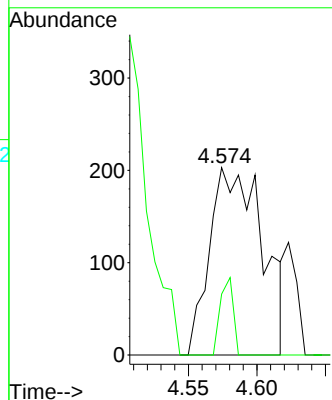
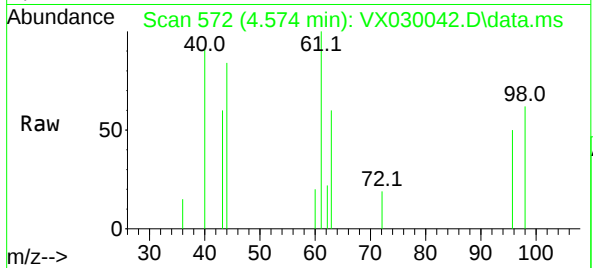




#25
2-Butanone
Concen: 0.308 ug/l
RT: 4.574 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX030042.D
Acq: 13 Jul 2022 14:08

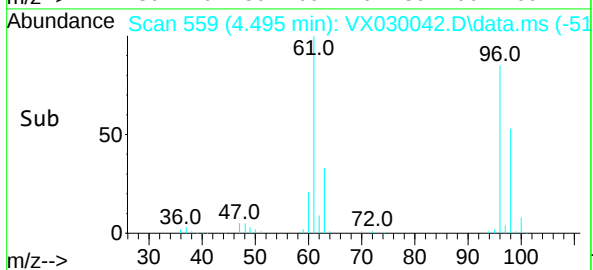
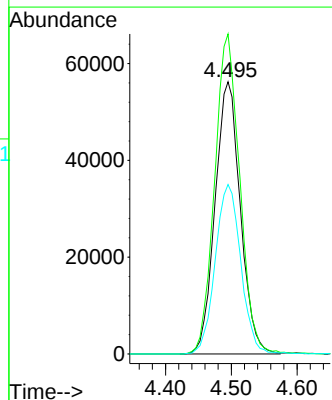
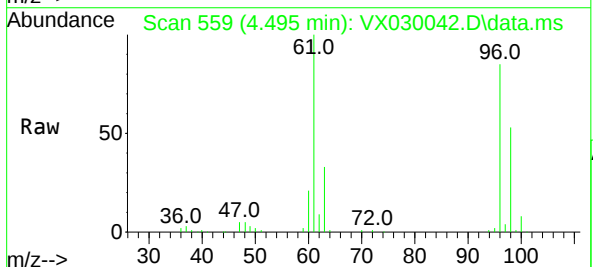
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ClientSampleId :
SPC-01C-84

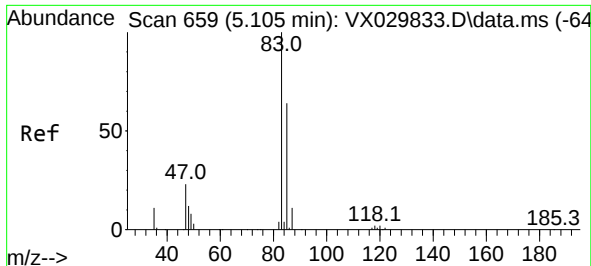
Tgt Ion: 43 Resp: 547
Ion Ratio Lower Upper
43 100
72 32.5 21.7 32.5



#27
cis-1,2-Dichloroethene
Concen: 63.589 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX030042.D
Acq: 13 Jul 2022 14:08

Tgt Ion: 96 Resp: 150346
Ion Ratio Lower Upper
96 100
61 116.7 0.0 270.0
98 63.1 0.0 127.8





#30

Chloroform

Concen: 0.416 ug/l

RT: 5.111 min Scan# 6

Delta R.T. 0.006 min

Lab File: VX030042.D

Acq: 13 Jul 2022 14:08

Instrument :

MSVOA_X

ClientSampleId :

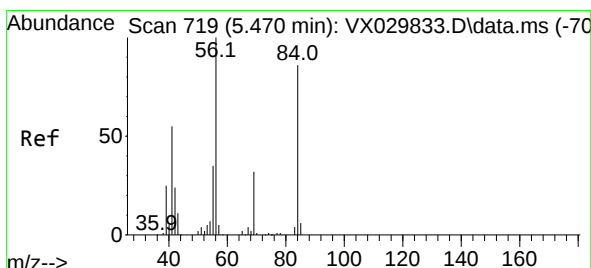
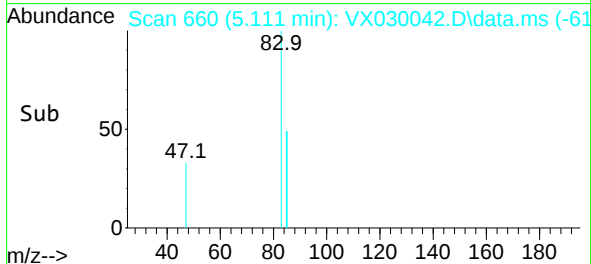
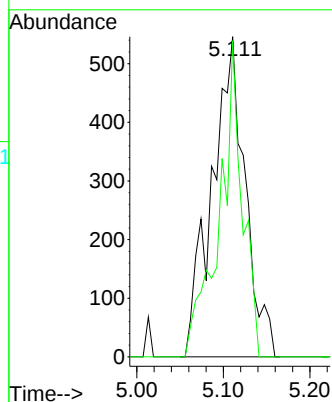
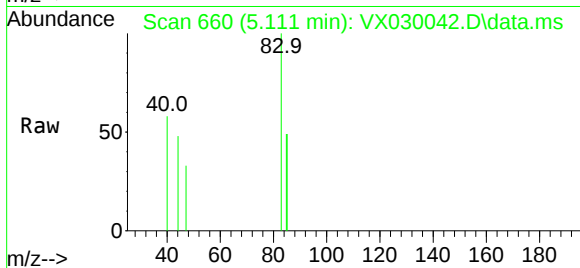
SPC-01C-84

Tgt Ion: 83 Resp: 1457

Ion Ratio Lower Upper

83 100

85 98.7 51.5 77.3#



#31

Cyclohexane

Concen: 1.180 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX030042.D

Acq: 13 Jul 2022 14:08

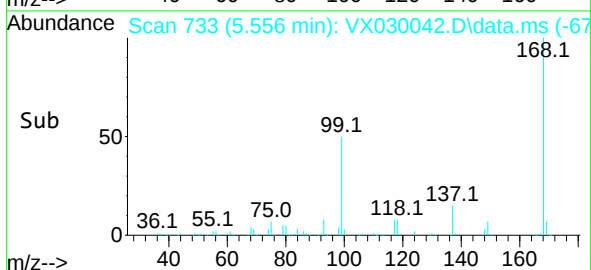
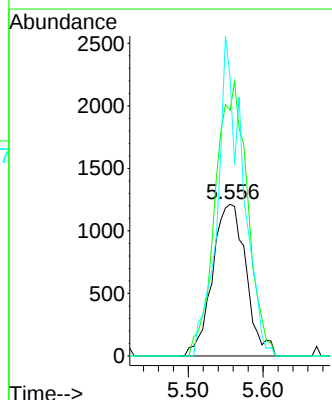
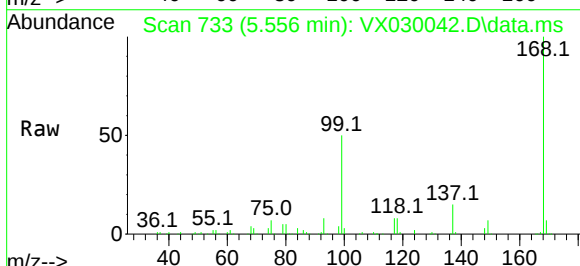
Tgt Ion: 56 Resp: 3786

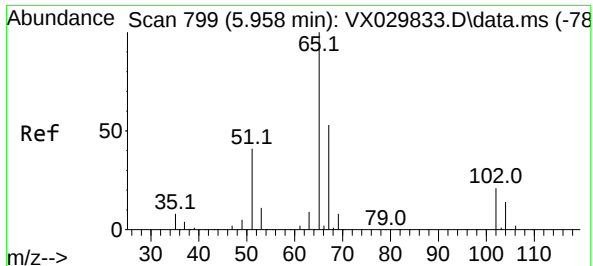
Ion Ratio Lower Upper

56 100

69 162.0 25.4 38.0#

84 183.0 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 44.621 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX030042.D

Acq: 13 Jul 2022 14:08

Instrument :

MSVOA_X

ClientSampleId :

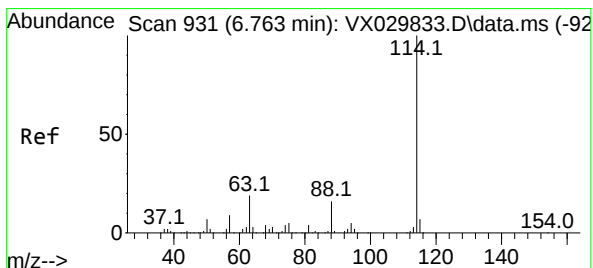
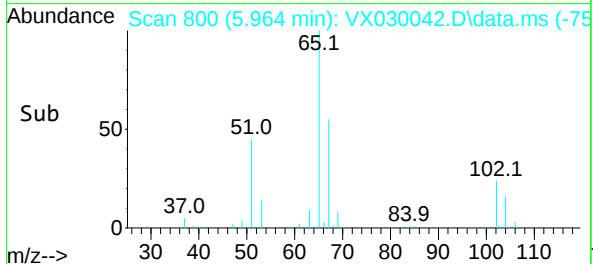
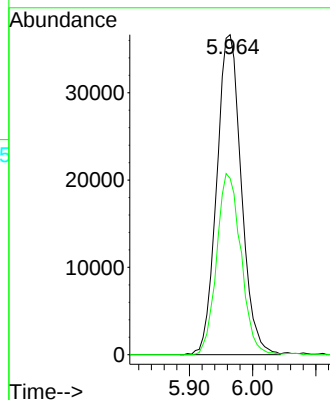
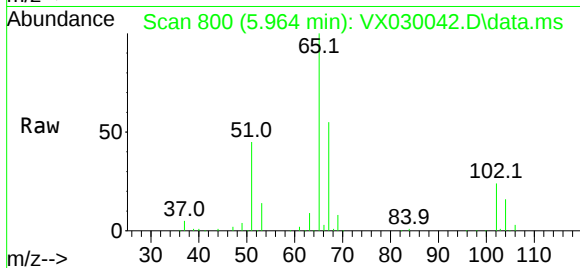
SPC-01C-84

Tgt Ion: 65 Resp: 98741

Ion Ratio Lower Upper

65 100

67 55.7 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: VX030042.D

Acq: 13 Jul 2022 14:08

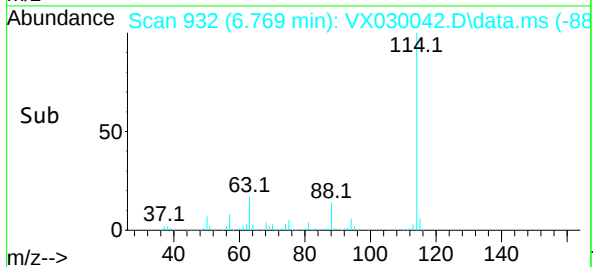
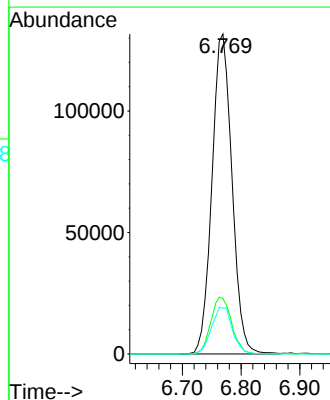
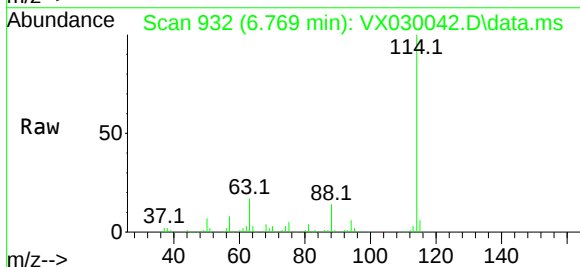
Tgt Ion: 114 Resp: 311548

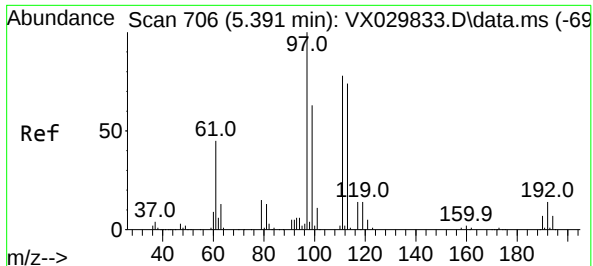
Ion Ratio Lower Upper

114 100

63 17.3 0.0 38.4

88 14.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.035 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX030042.D

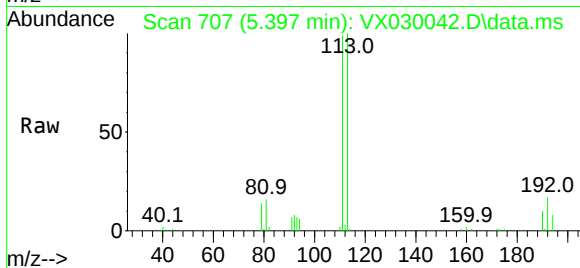
Acq: 13 Jul 2022 14:08

Instrument :

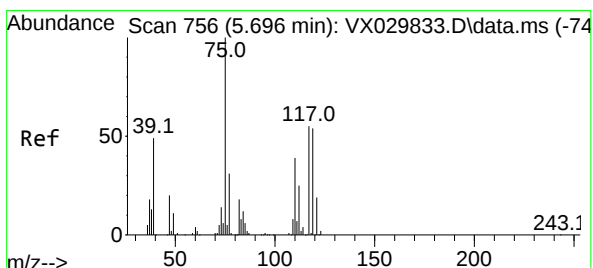
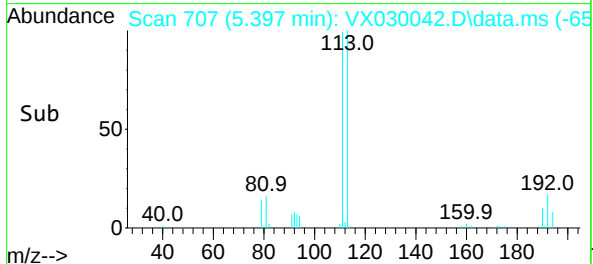
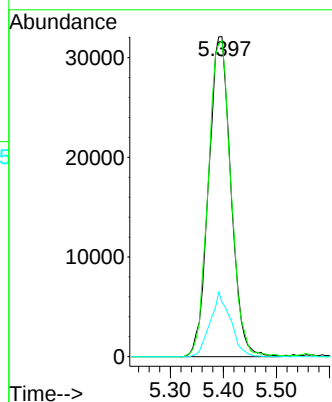
MSVOA_X

ClientSampleId :

SPC-01C-84



Tgt Ion:	113	Resp:	93612
Ion	Ratio	Lower	Upper
113	100		
111	100.9	83.2	124.8
192	18.4	14.8	22.2



#36

1,1-Dichloropropene

Concen: 5.383 ug/l

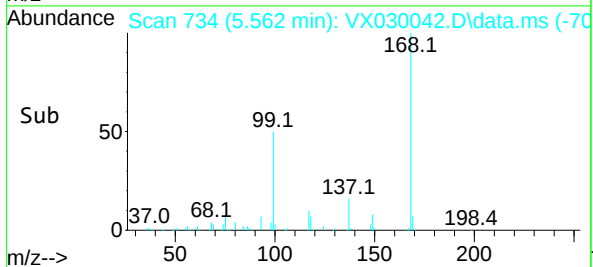
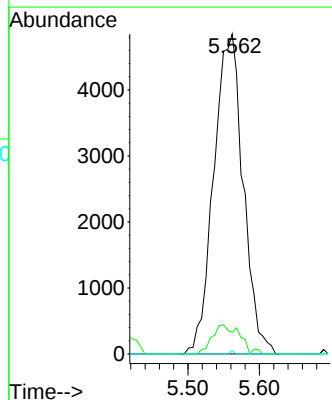
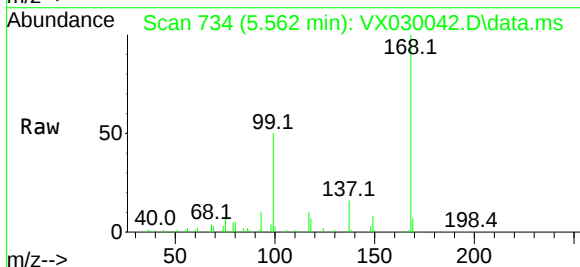
RT: 5.562 min Scan# 734

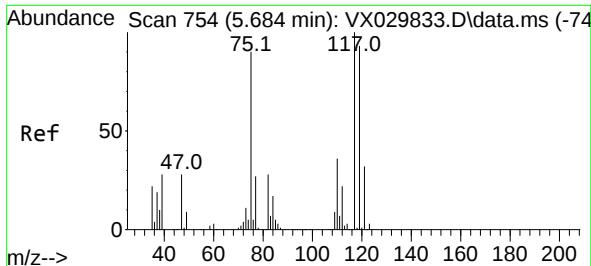
Delta R.T. -0.134 min

Lab File: VX030042.D

Acq: 13 Jul 2022 14:08

Tgt Ion:	75	Resp:	13839
Ion	Ratio	Lower	Upper
75	100		
110	8.6	19.3	57.9#
77	0.1	24.4	36.6#

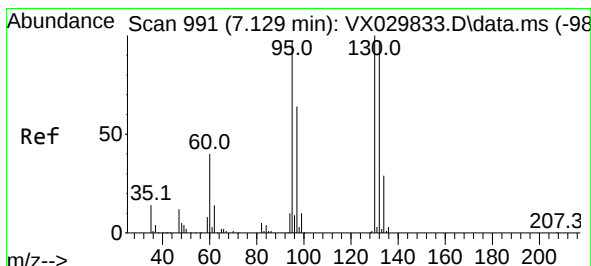
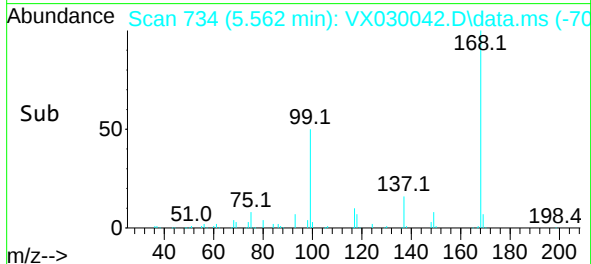
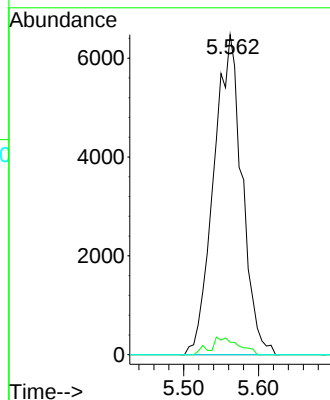
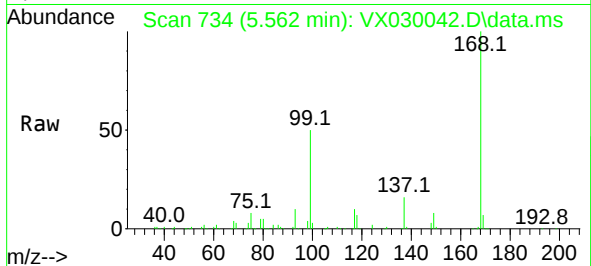




#38
Carbon Tetrachloride
Concen: 7.117 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX030042.D
Acq: 13 Jul 2022 14:08

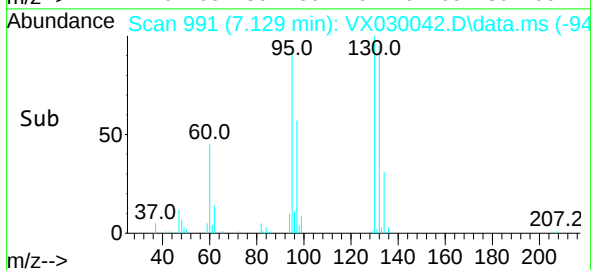
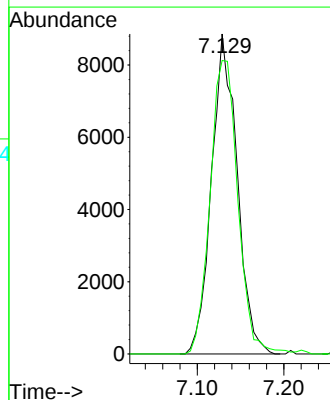
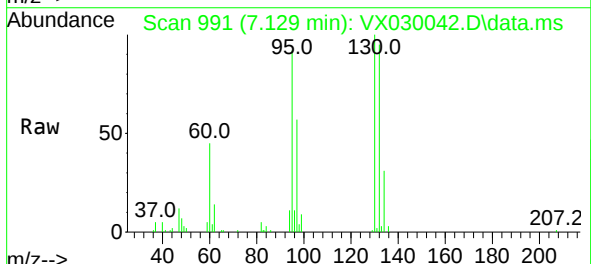
Instrument :
MSVOA_X
ClientSampleId :
SPC-01C-84

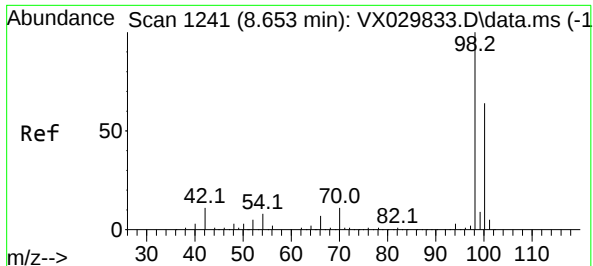
Tgt Ion:117 Resp: 17063
Ion Ratio Lower Upper
117 100
119 3.9 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 7.691 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030042.D
Acq: 13 Jul 2022 14:08

Tgt Ion:130 Resp: 18186
Ion Ratio Lower Upper
130 100
95 91.7 0.0 194.8

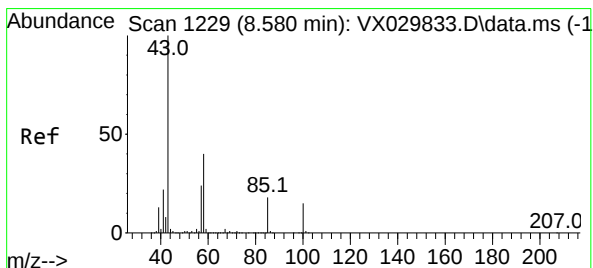
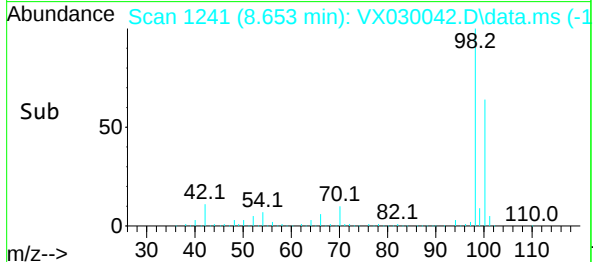
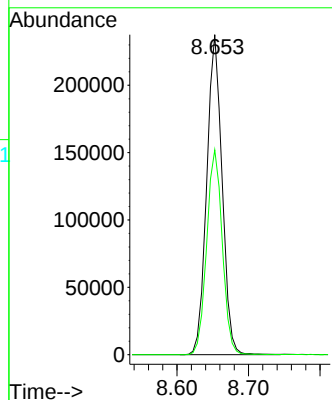
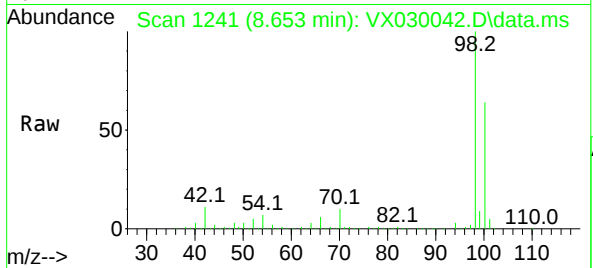




#50
Toluene-d8
Concen: 47.316 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX030042.D
Acq: 13 Jul 2022 14:08

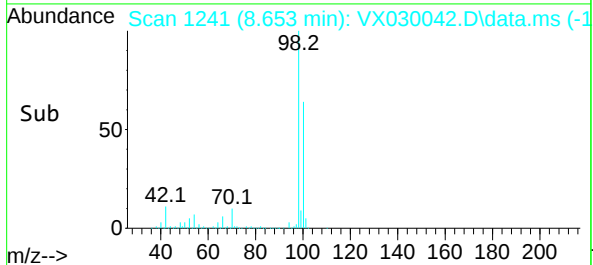
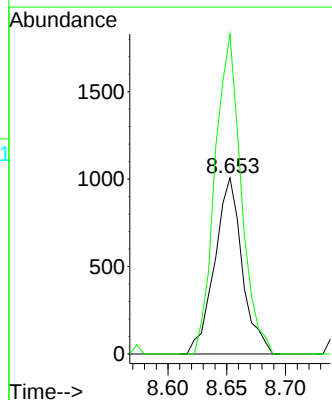
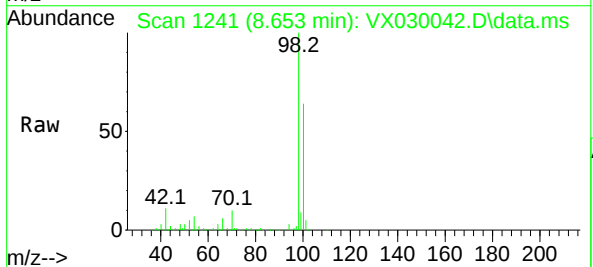
Instrument :
MSVOA_X
ClientSampleId :
SPC-01C-84

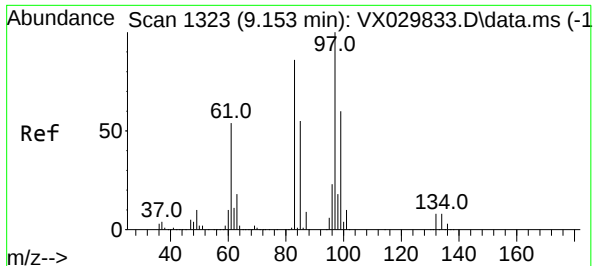
Tgt Ion: 98 Resp: 354177
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.499 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX030042.D
Acq: 13 Jul 2022 14:08

Tgt Ion: 43 Resp: 1641
Ion Ratio Lower Upper
43 100
58 172.9 31.4 47.2#





#55

1,1,2-Trichloroethane

Concen: 1.236 ug/l

RT: 9.275 min Scan# 1

Delta R.T. 0.122 min

Lab File: VX030042.D

Acq: 13 Jul 2022 14:08

Instrument :

MSVOA_X

ClientSampleId :

SPC-01C-84

Tgt Ion: 97 Resp: 2618

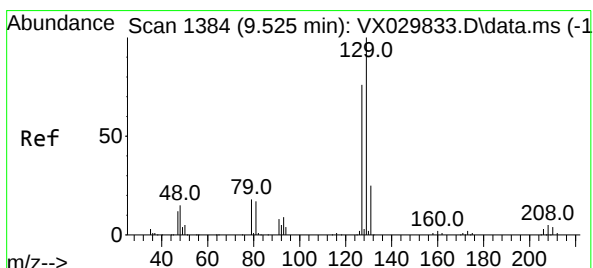
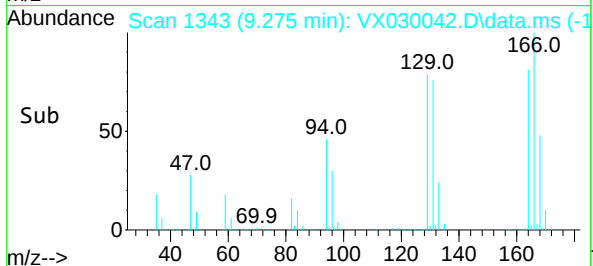
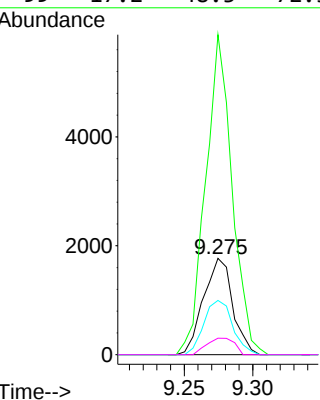
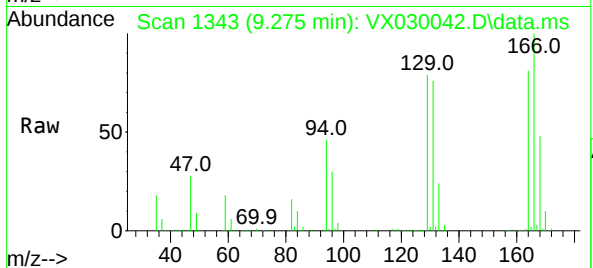
Ion Ratio Lower Upper

97 100

83 332.2 68.9 103.3#

85 56.4 44.0 66.0

99 17.2 48.3 72.5#



#60

Dibromochloromethane

Concen: 147.066 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX030042.D

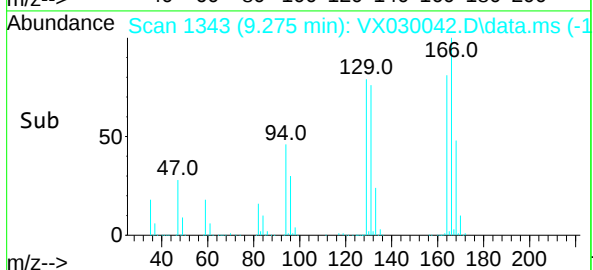
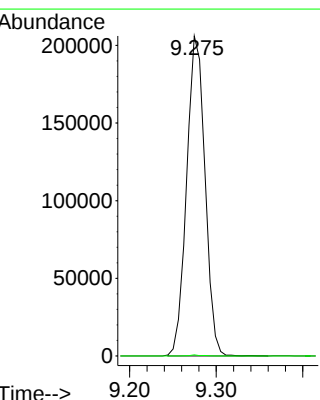
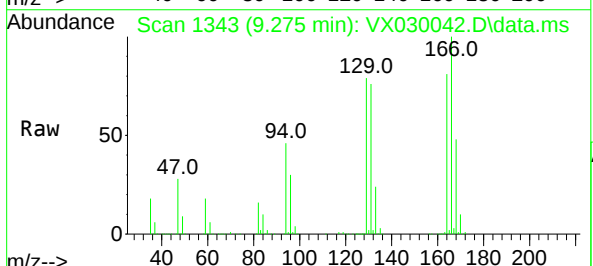
Acq: 13 Jul 2022 14:08

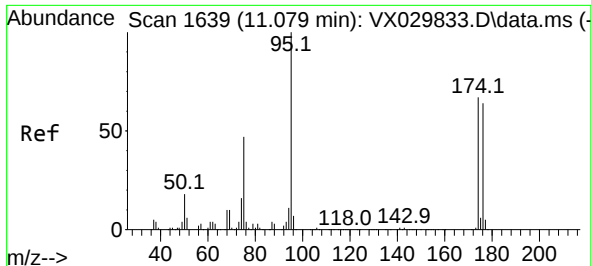
Tgt Ion:129 Resp: 303588

Ion Ratio Lower Upper

129 100

127 0.2 38.5 115.5#

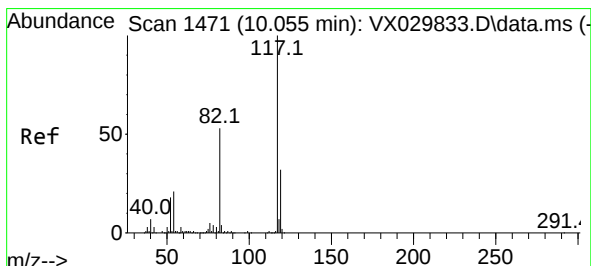
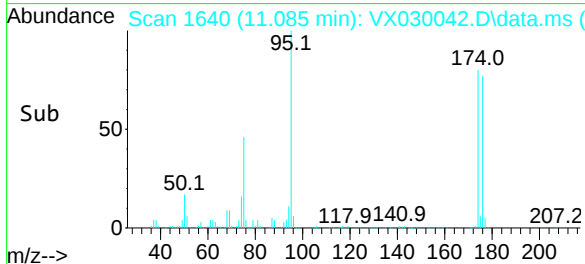
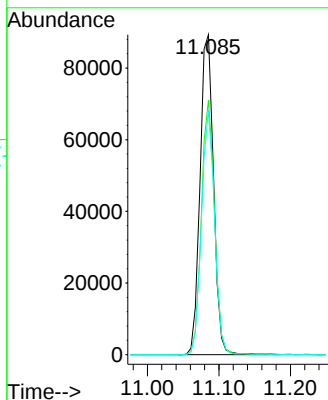
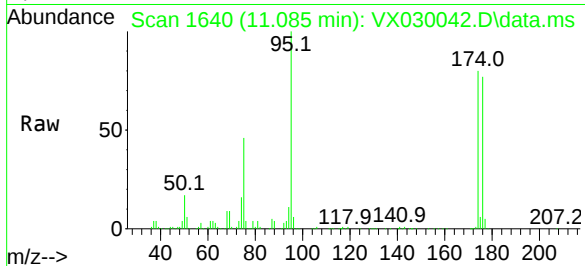




#62
4-Bromofluorobenzene
Concen: 45.121 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX030042.D
Acq: 13 Jul 2022 14:08

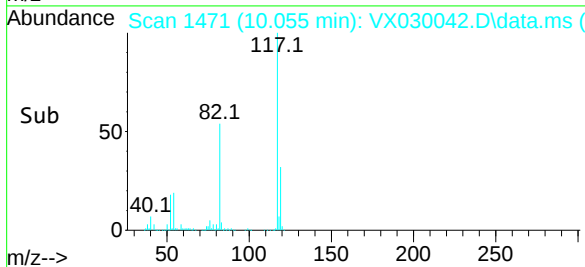
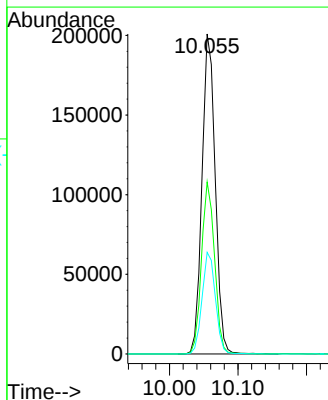
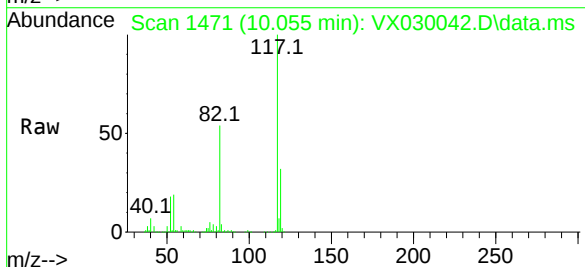
Instrument :
MSVOA_X
ClientSampleId :
SPC-01C-84

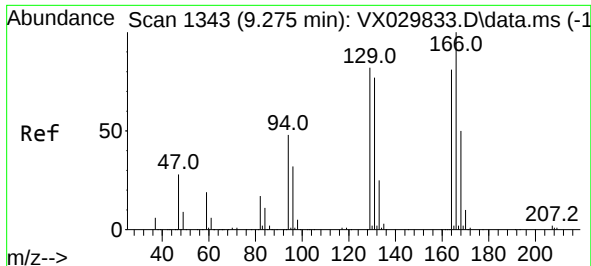
Tgt Ion: 95 Resp: 117208
Ion Ratio Lower Upper
95 100
174 77.6 0.0 149.0
176 74.1 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030042.D
Acq: 13 Jul 2022 14:08

Tgt Ion: 117 Resp: 270302
Ion Ratio Lower Upper
117 100
82 53.8 42.7 64.1
119 31.8 25.4 38.2

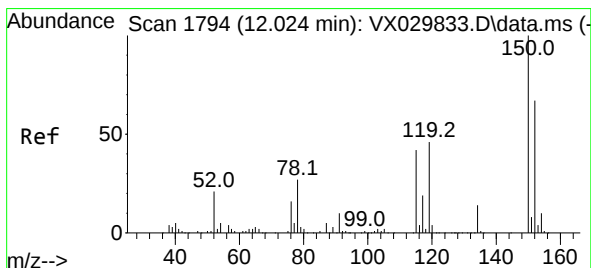
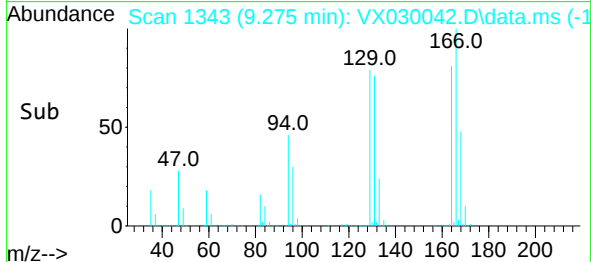
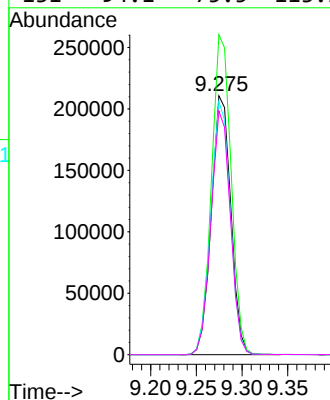
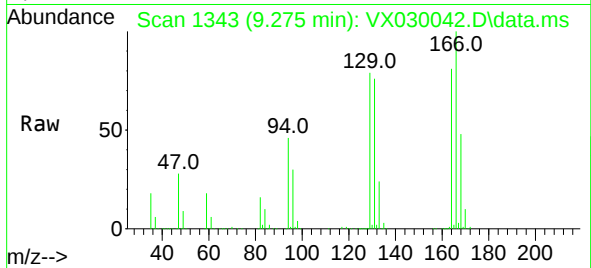




#64
Tetrachloroethene
Concen: 143.883 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030042.D
Acq: 13 Jul 2022 14:08

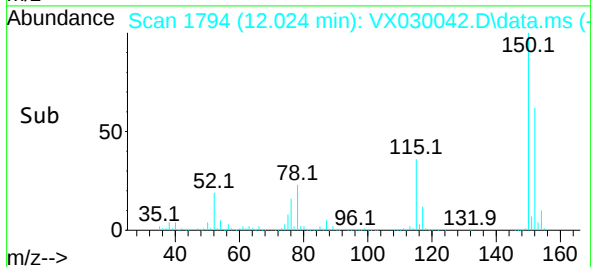
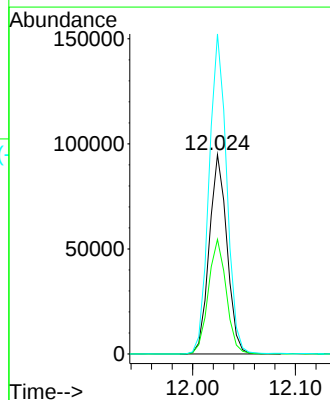
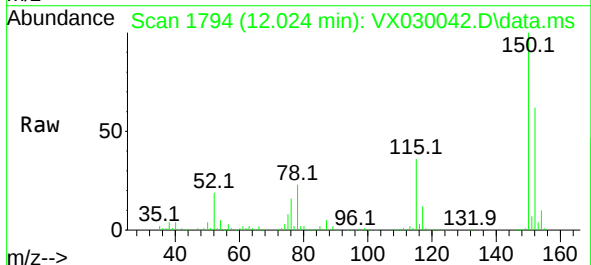
Instrument :
MSVOA_X
ClientSampleId :
SPC-01C-84

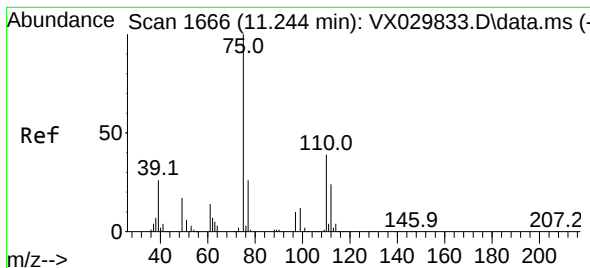
Tgt Ion:164 Resp: 312199
Ion Ratio Lower Upper
164 100
166 123.6 98.2 147.4
129 97.8 80.8 121.2
131 94.1 75.5 113.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030042.D
Acq: 13 Jul 2022 14:08

Tgt Ion:152 Resp: 113934
Ion Ratio Lower Upper
152 100
115 58.2 40.5 121.5
150 159.3 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 20.926 ug/l

RT: 11.085 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX030042.D

Acq: 13 Jul 2022 14:08

Instrument :

MSVOA_X

ClientSampleId :

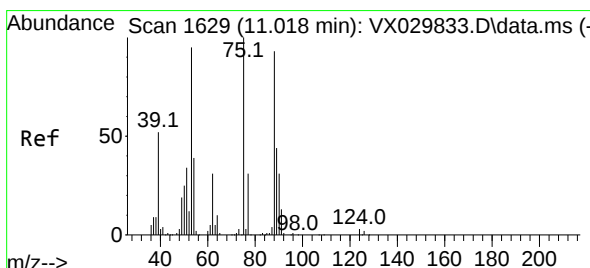
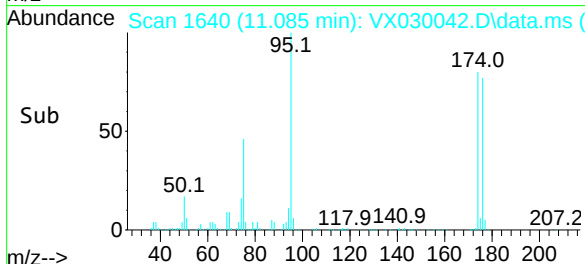
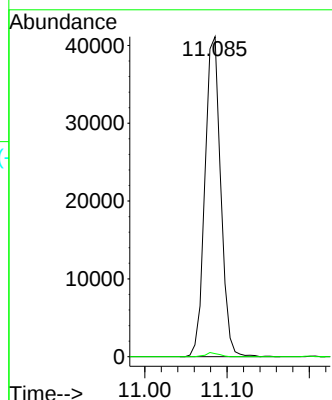
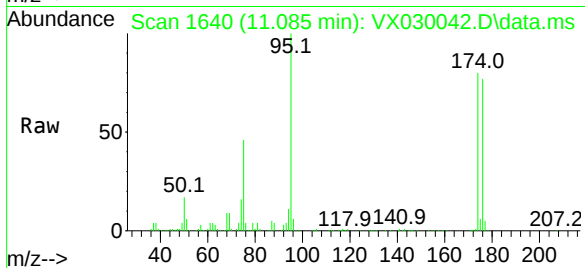
SPC-01C-84

Tgt Ion: 75 Resp: 54818

Ion Ratio Lower Upper

75 100

77 1.1 19.8 59.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.393 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.067 min

Lab File: VX030042.D

Acq: 13 Jul 2022 14:08

Tgt Ion: 75 Resp: 54818

Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

89 0.0 34.8 52.2#

