

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071322\
 Data File : VX030044.D
 Acq On : 13 Jul 2022 14:54
 Operator : JC/MD
 Sample : N3695-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPC-01E-84

Quant Time: Jul 14 04:56:14 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)

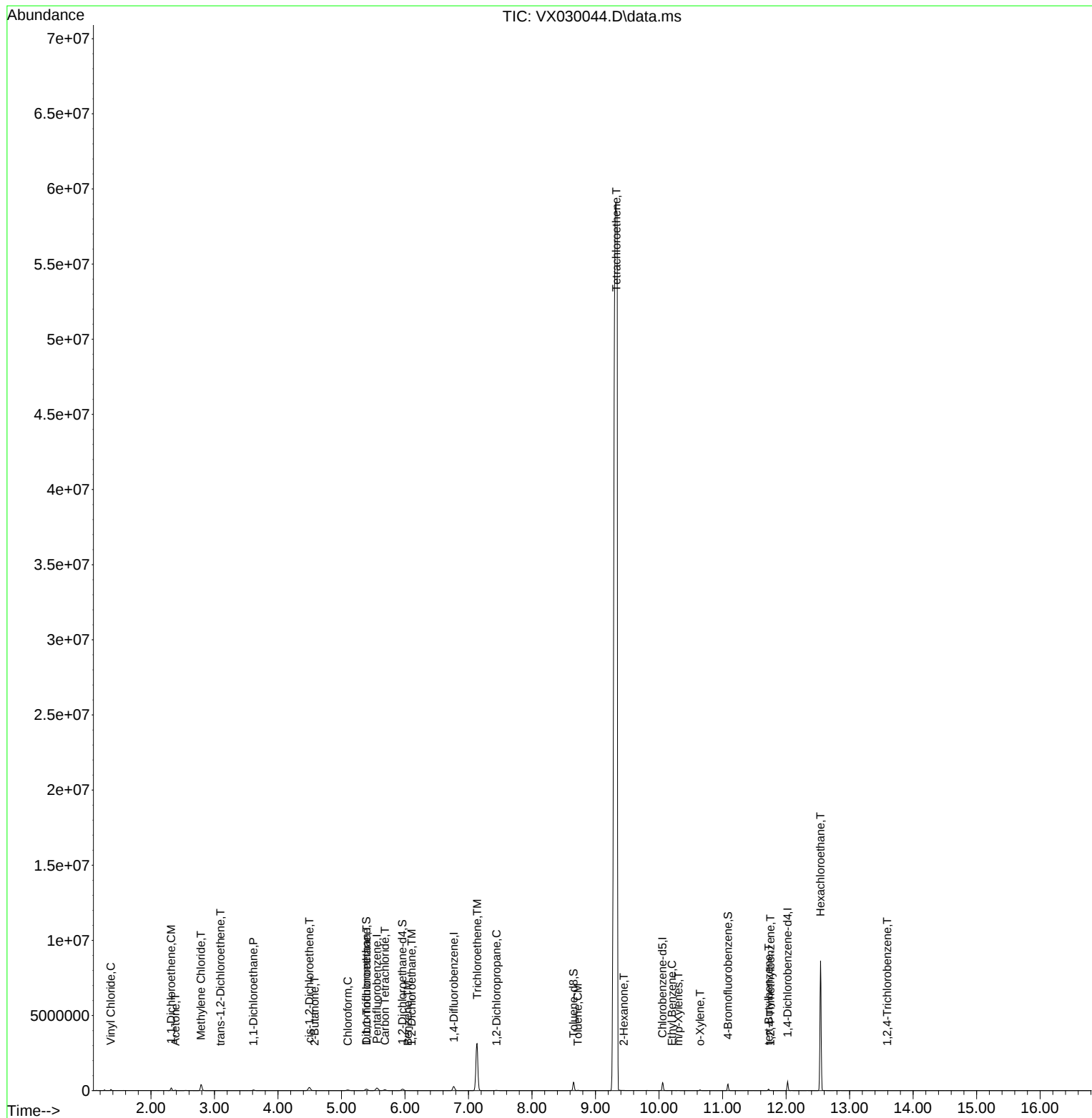
Internal Standards						
1) Pentafluorobenzene	5.556	168	173176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	297746	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	260078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121618	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	95441	45.278	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.560%		
35) Dibromofluoromethane	5.391	113	87350	45.923	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.840%		
50) Toluene-d8	8.653	98	341768	47.775	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.540%		
62) 4-Bromofluorobenzene	11.085	95	117576	47.361	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.720%		
Target Compounds					Qvalue	
4) Vinyl Chloride	1.368	62	39706	19.810	ug/l	96
12) 1,1-Dichloroethene	2.319	96	62762	35.571	ug/l	98
16) Acetone	2.386	43	36144	36.390	ug/l	97
20) Methylene Chloride	2.788	84	194463	98.677	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	819	0.445	ug/l	93
24) 1,1-Dichloroethane	3.611	63	49739	14.872	ug/l	98
25) 2-Butanone	4.574	43	10548	6.234	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	143134	63.555	ug/l	89
30) Chloroform	5.099	83	58401	17.522	ug/l	100
32) 1,1,1-Trichloroethane	5.397	97	2269	0.833	ug/l #	47
38) Carbon Tetrachloride	5.684	117	51414	22.440	ug/l	97
40) Benzene	6.044	78	3299	0.427	ug/l	95
42) 1,2-Dichloroethane	6.105	62	938	0.391	ug/l	93
44) Trichloroethene	7.135	130	1256636	556.101	ug/l	98
45) 1,2-Dichloropropane	7.440	63	8890	4.423	ug/l	94
52) Toluene	8.720	92	10487	2.136	ug/l	95
59) 2-Hexanone	9.445	43	2224	0.923	ug/l	80
64) Tetrachloroethene	9.330	164	26093043	12498.219	ug/l	96
67) Ethyl Benzene	10.201	91	2101	0.239	ug/l #	86
68) m/p-Xylenes	10.305	106	1711	0.497	ug/l	95
69) o-Xylene	10.646	106	11869	3.443	ug/l	96
83) tert-Butylbenzene	11.725	119	13970	2.042	ug/l #	41
84) 1,2,4-Trimethylbenzene	11.756	105	2629	0.372	ug/l	86
90) Hexachloroethane	12.542	117	1426465	1149.764	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	1766	0.723	ug/l	95

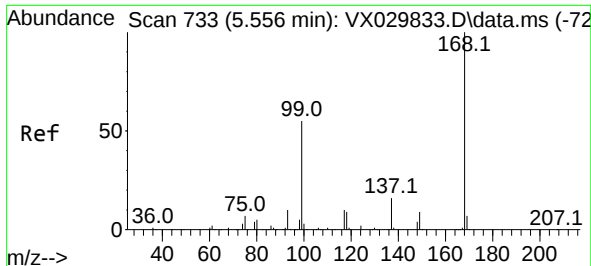
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071322\
Data File : VX030044.D
Acq On : 13 Jul 2022 14:54
Operator : JC/MD
Sample : N3695-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SPC-01E-84

Quant Time: Jul 14 04:56:14 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

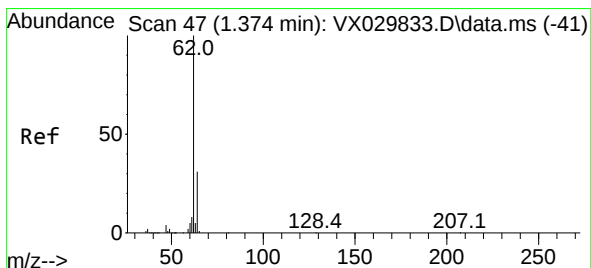
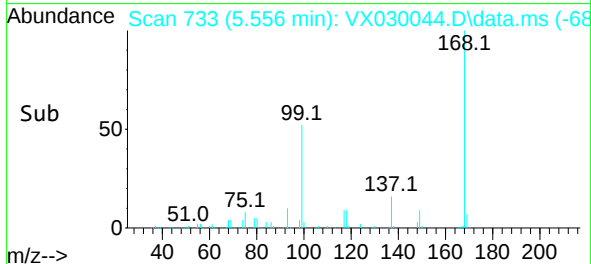
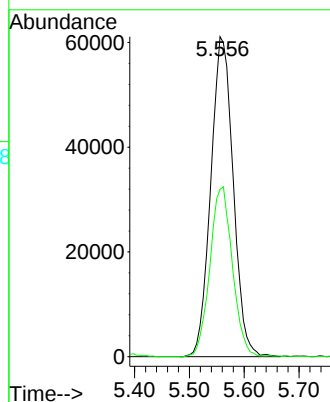
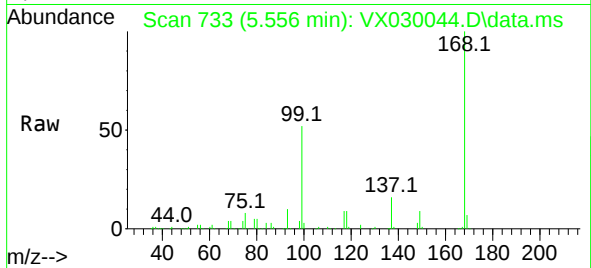




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54

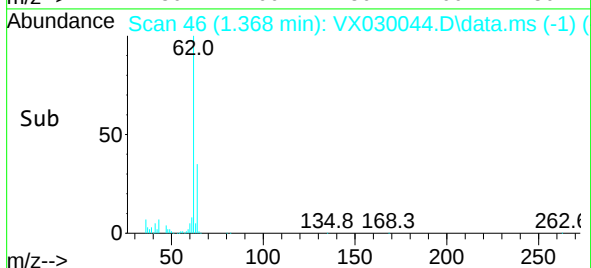
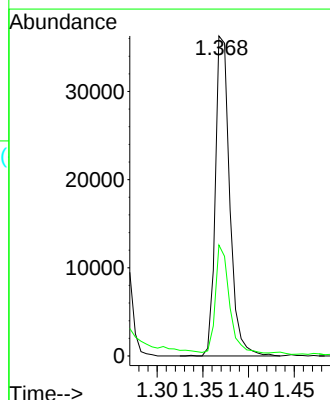
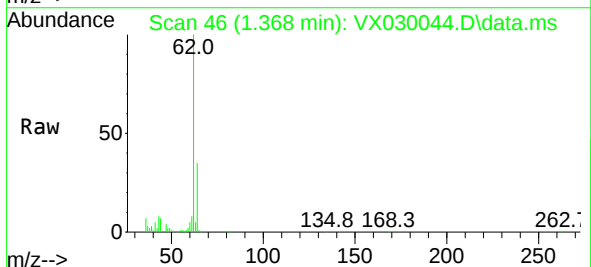
Instrument :
MSVOA_X
ClientSampleId :
SPC-01E-84

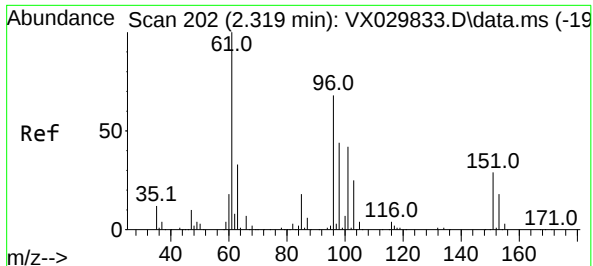
Tgt Ion:168 Resp: 173176
Ion Ratio Lower Upper
168 100
99 52.3 44.0 66.0



#4
Vinyl Chloride
Concen: 19.810 ug/l
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54

Tgt Ion: 62 Resp: 39706
Ion Ratio Lower Upper
62 100
64 33.5 25.2 37.8





#12

1,1-Dichloroethene

Concen: 35.571 ug/l

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX030044.D

Acq: 13 Jul 2022 14:54

Instrument :

MSVOA_X

ClientSampleId :

SPC-01E-84

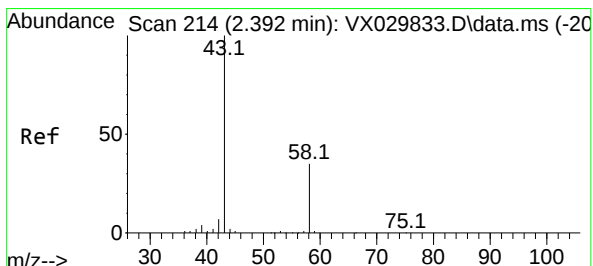
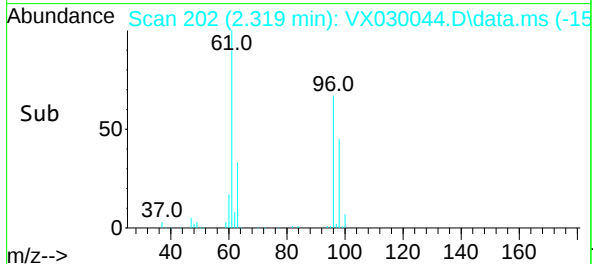
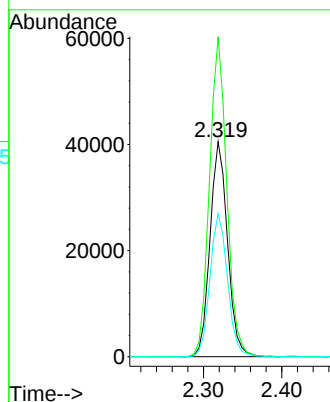
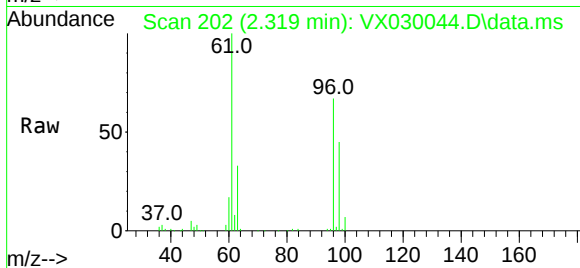
Tgt Ion: 96 Resp: 62762

Ion Ratio Lower Upper

96 100

61 148.8 117.4 176.0

98 66.5 52.2 78.4



#16

Acetone

Concen: 36.390 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX030044.D

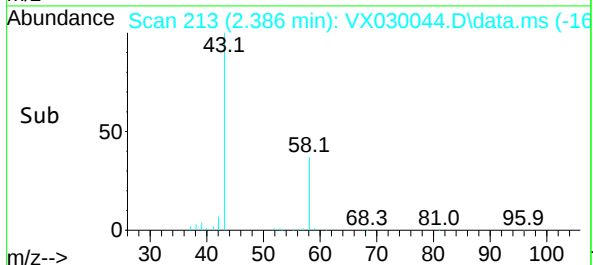
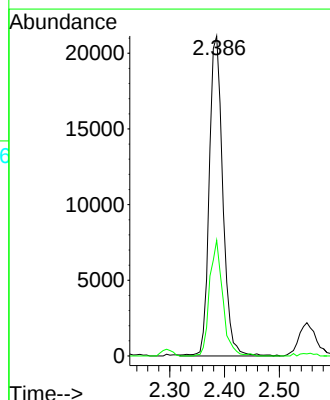
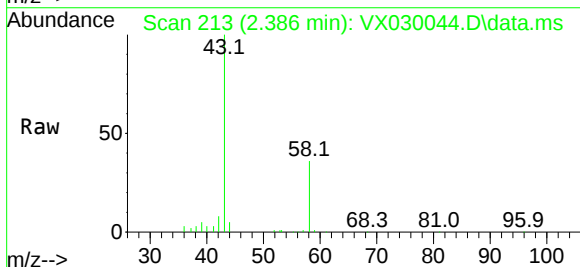
Acq: 13 Jul 2022 14:54

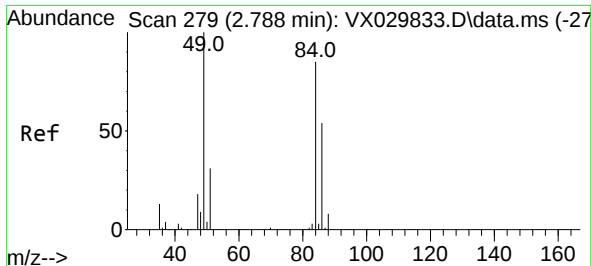
Tgt Ion: 43 Resp: 36144

Ion Ratio Lower Upper

43 100

58 36.2 27.7 41.5



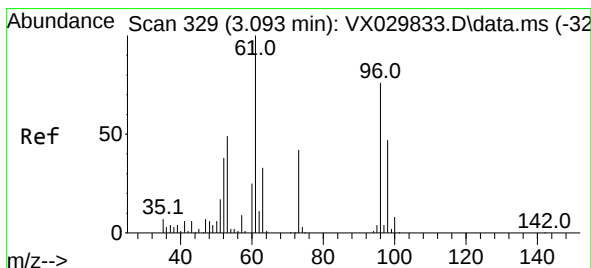
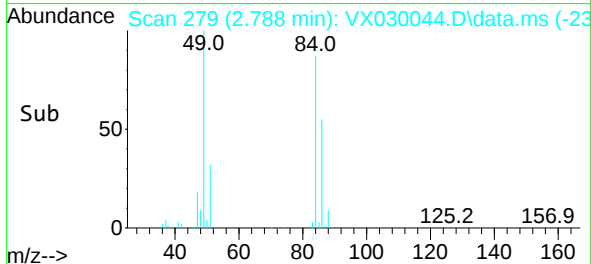
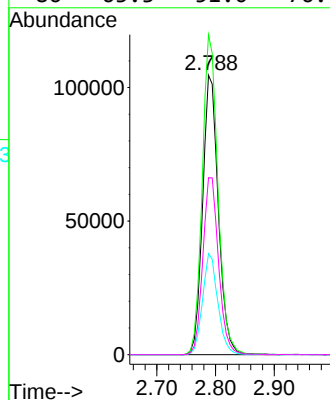
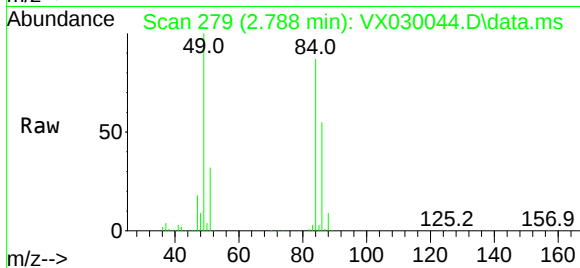


#20
Methylene Chloride
Concen: 98.677 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54

Instrument :
MSVOA_X
ClientSampleId :
SPC-01E-84

Tgt Ion: 84 Resp: 194463

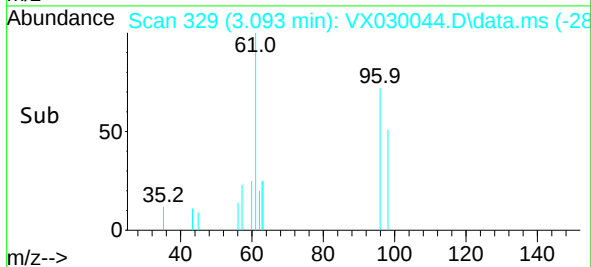
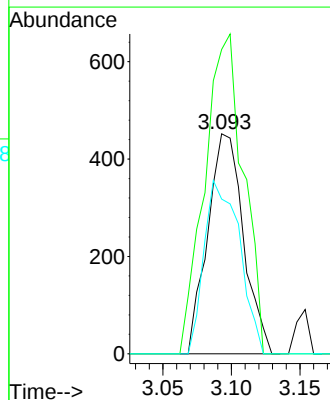
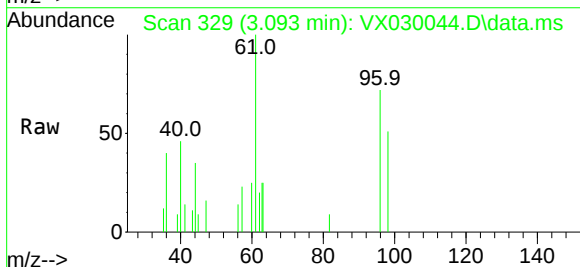
Ion	Ratio	Lower	Upper
84	100		
49	114.5	93.8	140.6
51	36.1	29.4	44.0
86	63.3	51.0	76.4

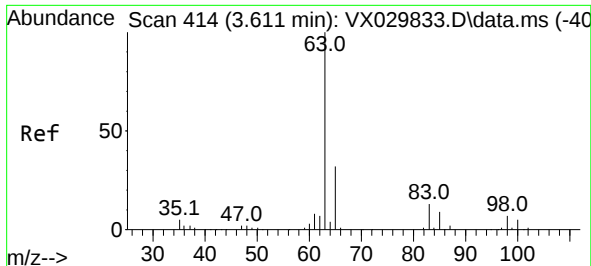


#21
trans-1,2-Dichloroethene
Concen: 0.445 ug/l
RT: 3.093 min Scan# 329
Delta R.T. -0.000 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54

Tgt Ion: 96 Resp: 819

Ion	Ratio	Lower	Upper
96	100		
61	138.3	105.6	158.4
98	70.4	50.1	75.1

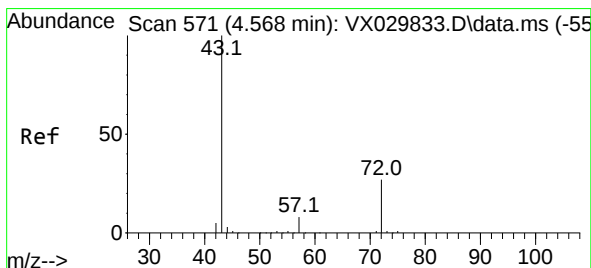
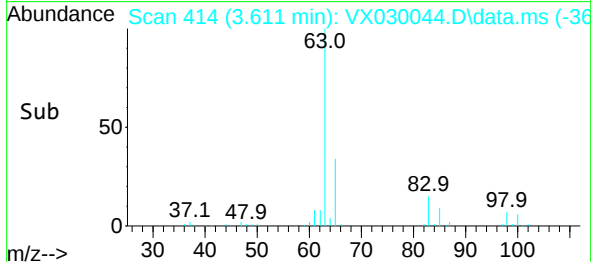
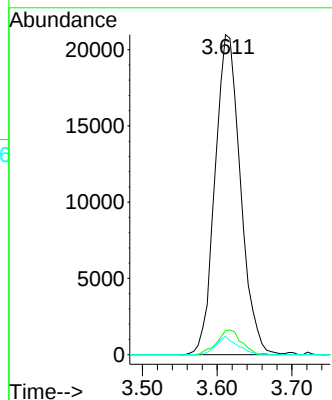
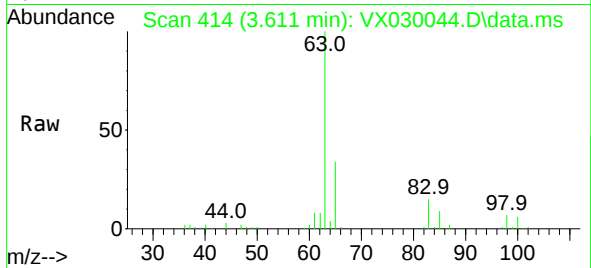




#24
1,1-Dichloroethane
Concen: 14.872 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54

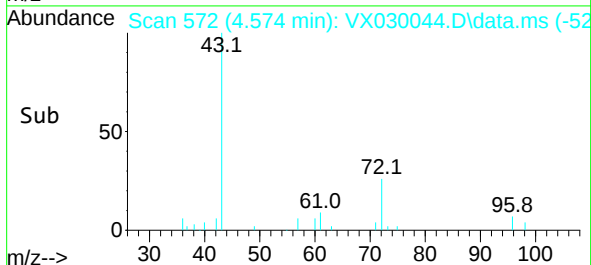
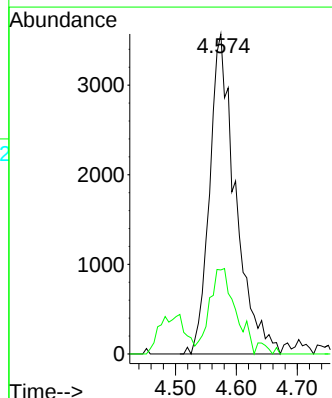
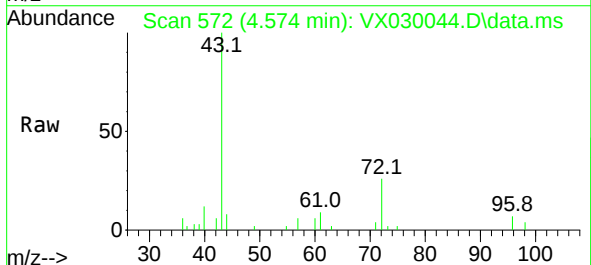
Instrument :
MSVOA_X
ClientSampleId :
SPC-01E-84

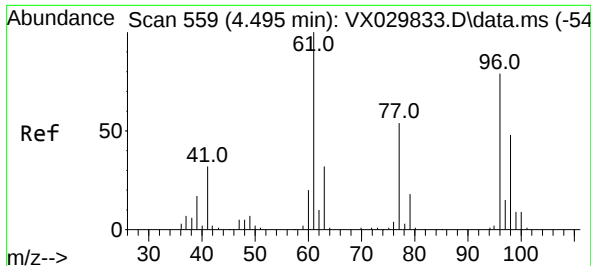
Tgt Ion: 63 Resp: 49739
Ion Ratio Lower Upper
63 100
98 7.5 3.5 10.5
100 5.8 2.3 6.9



#25
2-Butanone
Concen: 6.234 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54

Tgt Ion: 43 Resp: 10548
Ion Ratio Lower Upper
43 100
72 26.3 21.7 32.5

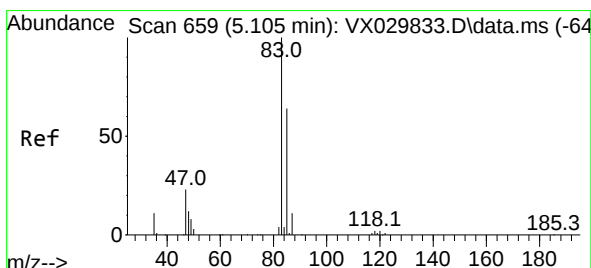
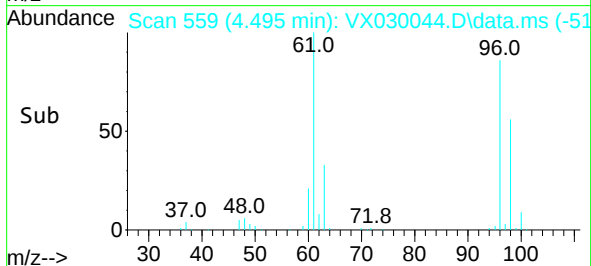
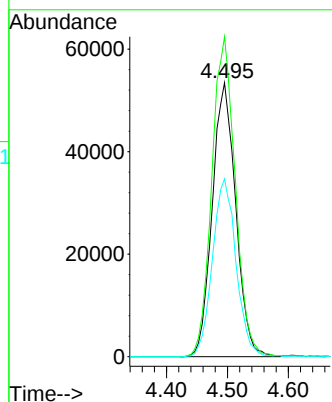
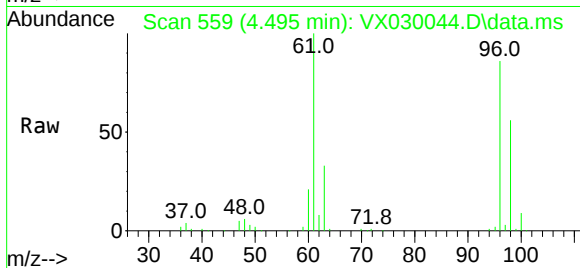




#27
cis-1,2-Dichloroethene
Concen: 63.555 ug/l
RT: 4.495 min Scan# 511
Delta R.T. 0.000 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54

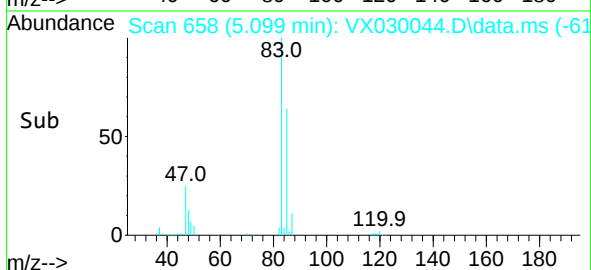
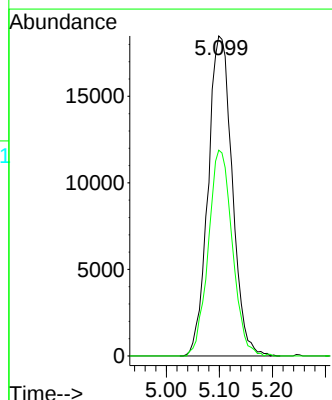
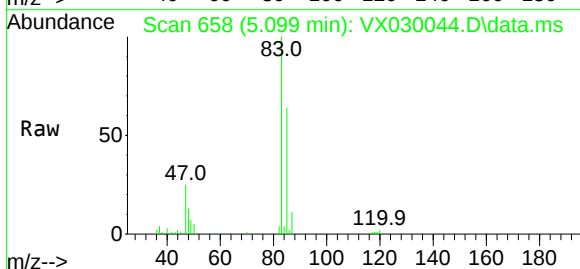
Instrument :
MSVOA_X
ClientSampleId :
SPC-01E-84

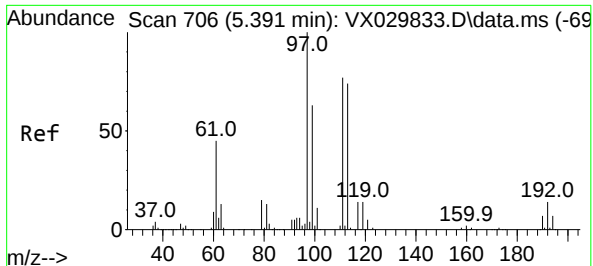
Tgt Ion: 96 Resp: 143134
Ion Ratio Lower Upper
96 100
61 116.7 0.0 270.0
98 65.3 0.0 127.8



#30
Chloroform
Concen: 17.522 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.006 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54

Tgt Ion: 83 Resp: 58401
Ion Ratio Lower Upper
83 100
85 64.3 51.5 77.3





#32

1,1,1-Trichloroethane

Concen: 0.833 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX030044.D

Acq: 13 Jul 2022 14:54

Instrument :

MSVOA_X

ClientSampleId :

SPC-01E-84

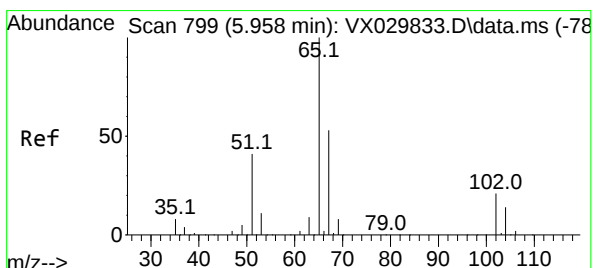
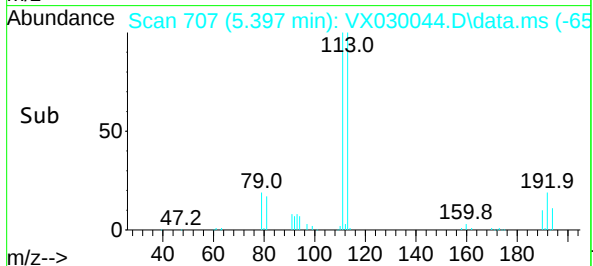
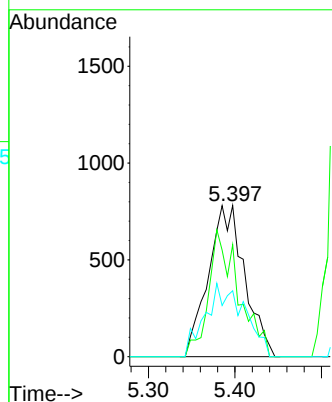
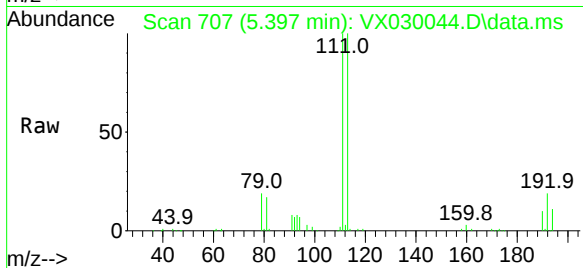
Tgt Ion: 97 Resp: 2269

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

61 51.9 35.8 53.8



#33

1,2-Dichloroethane-d4

Concen: 45.278 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX030044.D

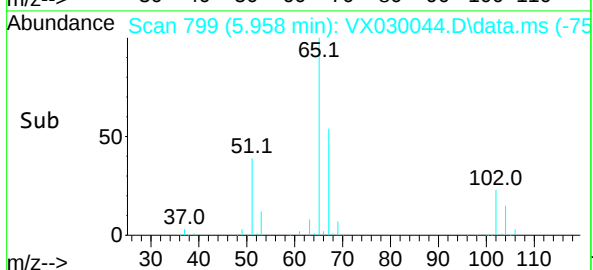
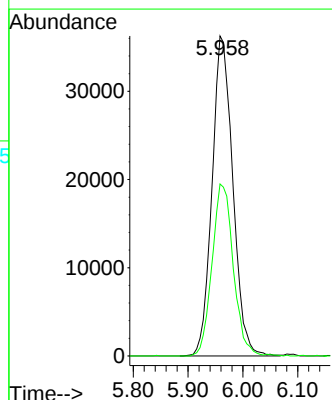
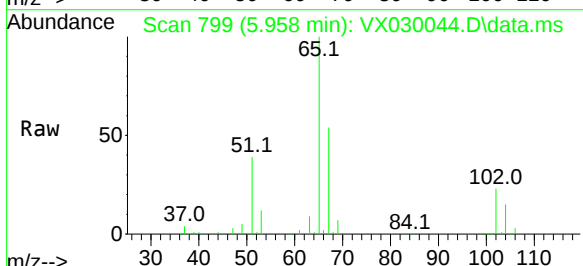
Acq: 13 Jul 2022 14:54

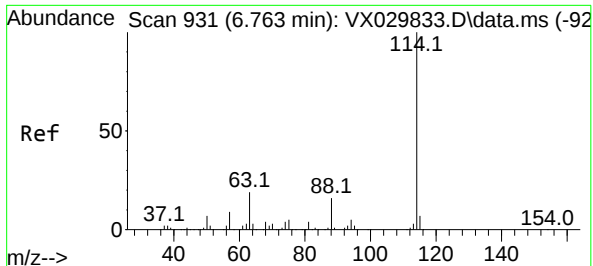
Tgt Ion: 65 Resp: 95441

Ion Ratio Lower Upper

65 100

67 54.8 0.0 109.6

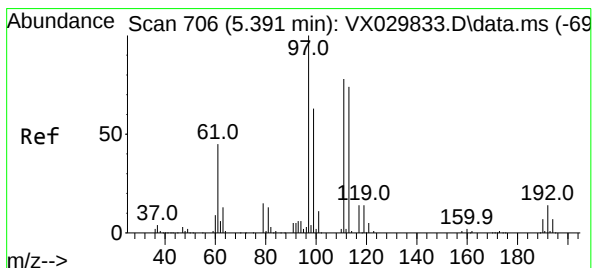
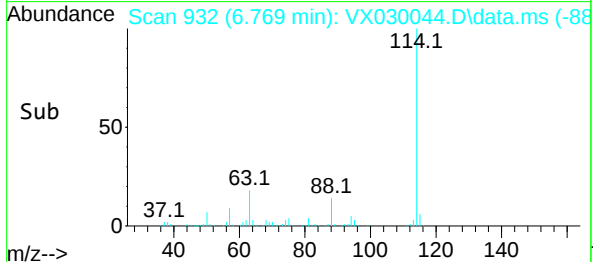
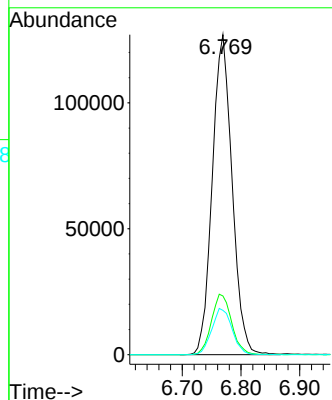
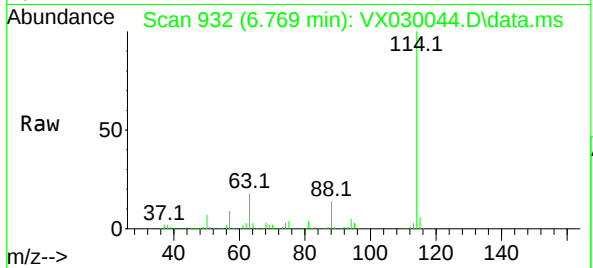




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54

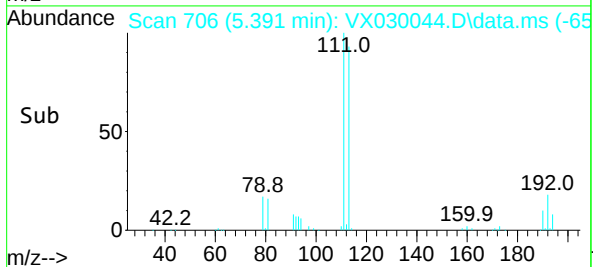
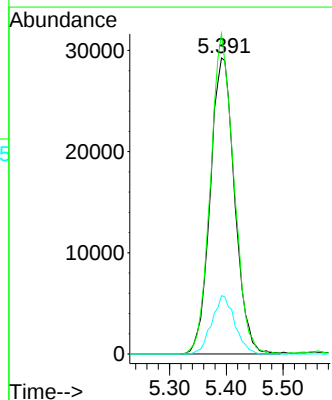
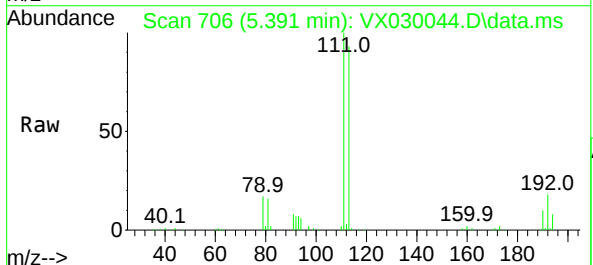
Instrument :
MSVOA_X
ClientSampleId :
SPC-01E-84

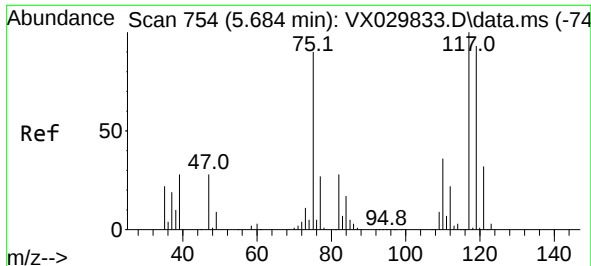
Tgt Ion:114 Resp: 297746
Ion Ratio Lower Upper
114 100
63 18.3 0.0 38.4
88 13.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 45.923 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54

Tgt Ion:113 Resp: 87350
Ion Ratio Lower Upper
113 100
111 103.8 83.2 124.8
192 18.4 14.8 22.2

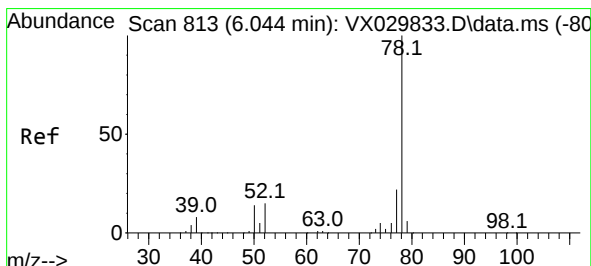
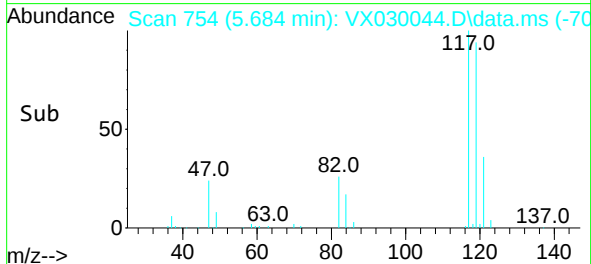
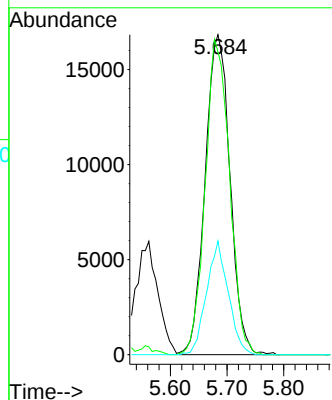
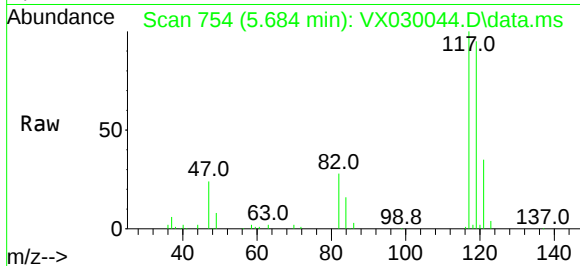




#38
Carbon Tetrachloride
Concen: 22.440 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54

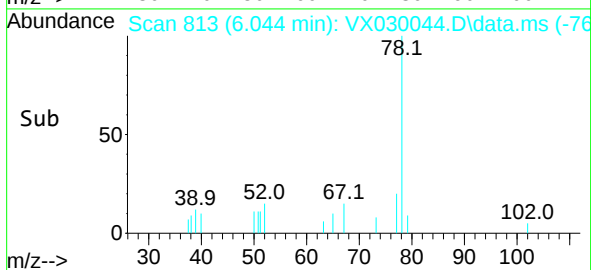
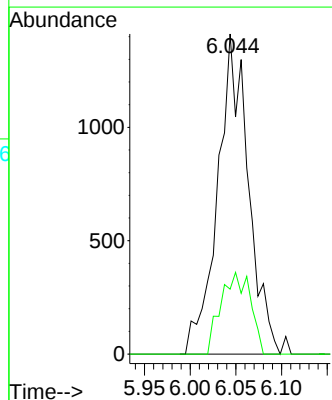
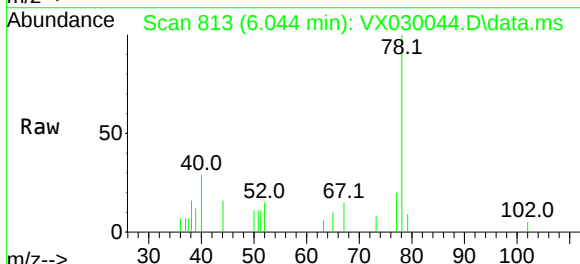
Instrument :
MSVOA_X
ClientSampleId :
SPC-01E-84

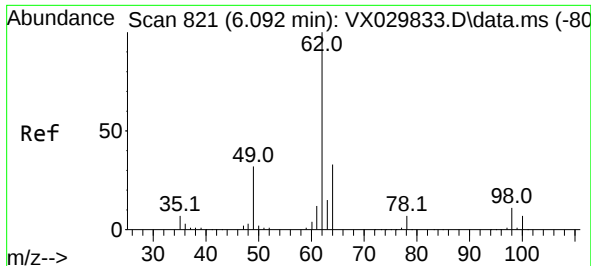
Tgt Ion:117 Resp: 51414
Ion Ratio Lower Upper
117 100
119 94.7 74.1 111.1
121 35.5 25.8 38.8



#40
Benzene
Concen: 0.427 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54

Tgt Ion: 78 Resp: 3299
Ion Ratio Lower Upper
78 100
77 20.3 18.0 27.0





#42

1,2-Dichloroethane

Concen: 0.391 ug/l

RT: 6.105 min Scan# 81

Delta R.T. 0.013 min

Lab File: VX030044.D

Acq: 13 Jul 2022 14:54

Instrument :

MSVOA_X

ClientSampleId :

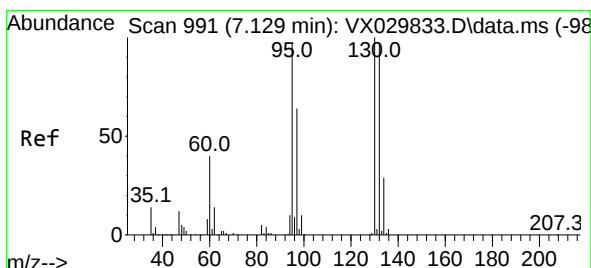
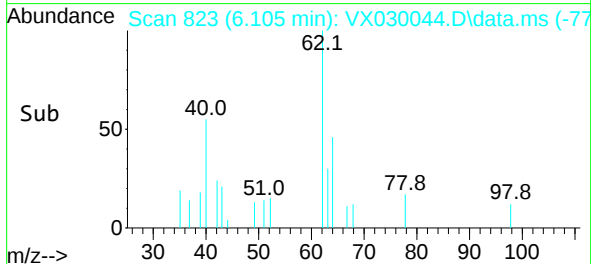
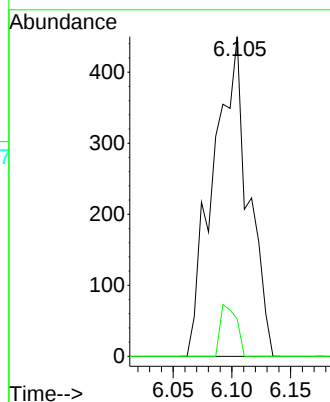
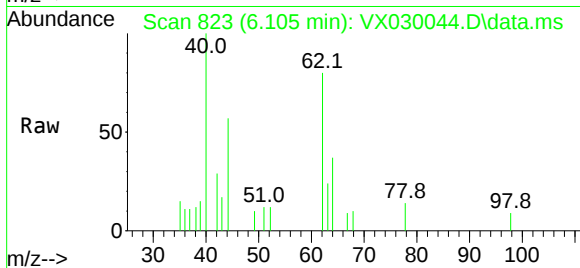
SPC-01E-84

Tgt Ion: 62 Resp: 938

Ion Ratio Lower Upper

62 100

98 7.5 0.0 20.2



#44

Trichloroethene

Concen: 556.101 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX030044.D

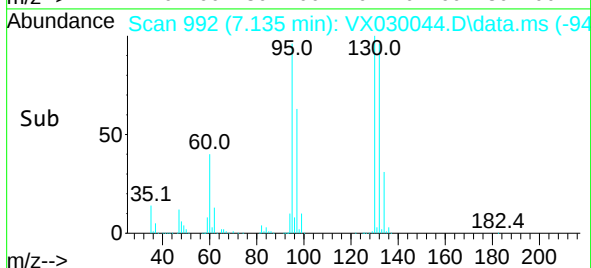
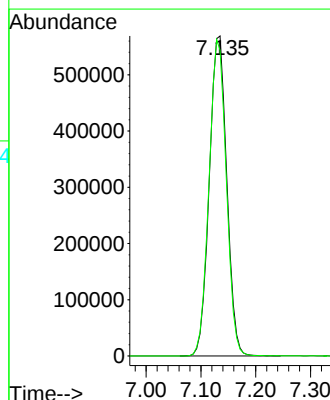
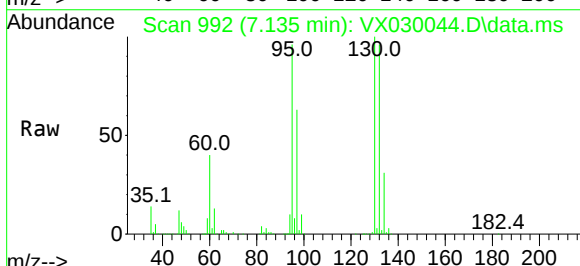
Acq: 13 Jul 2022 14:54

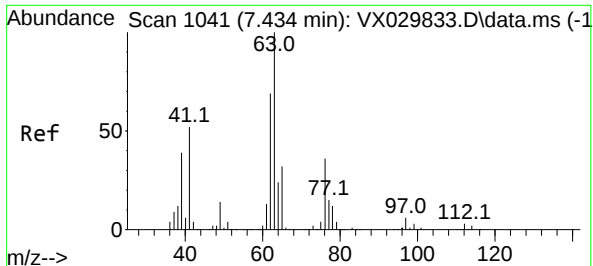
Tgt Ion:130 Resp: 1256636

Ion Ratio Lower Upper

130 100

95 95.6 0.0 194.8





#45

1,2-Dichloropropane

Concen: 4.423 ug/l

RT: 7.440 min Scan# 1042

Delta R.T. 0.006 min

Lab File: VX030044.D

Acq: 13 Jul 2022 14:54

Instrument :

MSVOA_X

ClientSampleId :

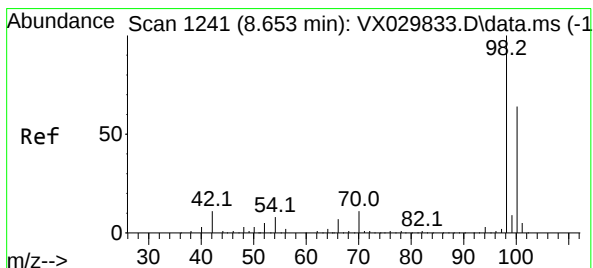
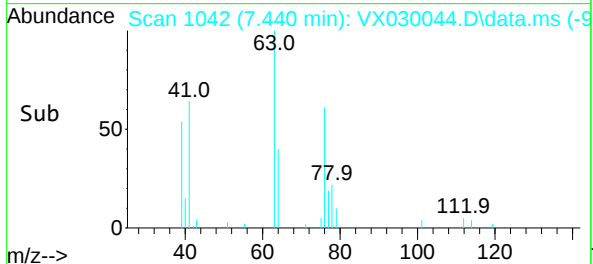
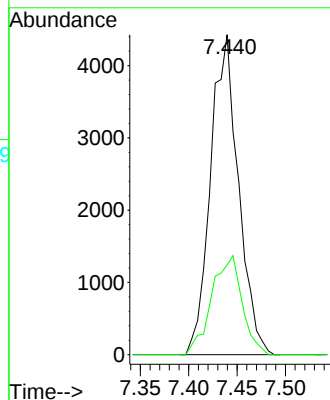
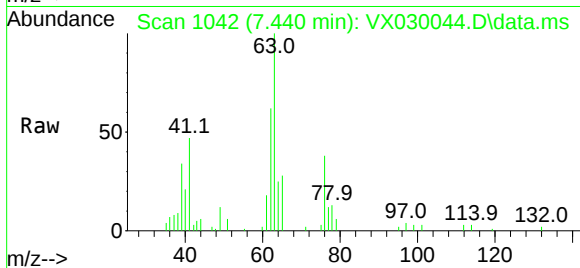
SPC-01E-84

Tgt Ion: 63 Resp: 8890

Ion Ratio Lower Upper

63 100

65 28.0 25.2 37.8



#50

Toluene-d8

Concen: 47.775 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX030044.D

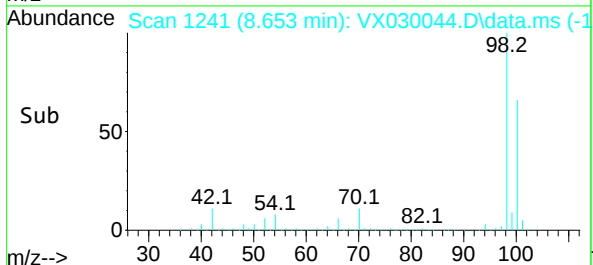
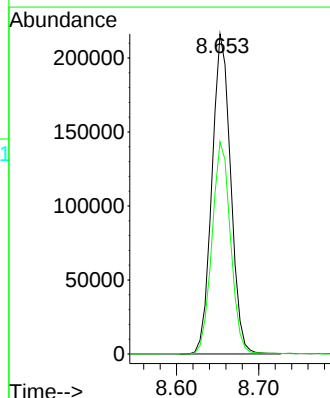
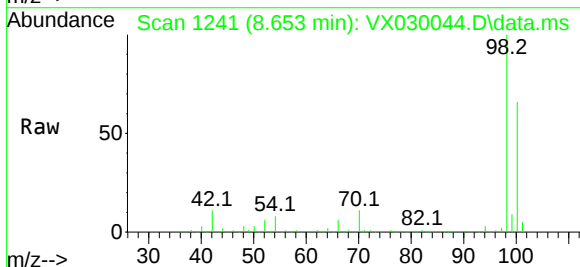
Acq: 13 Jul 2022 14:54

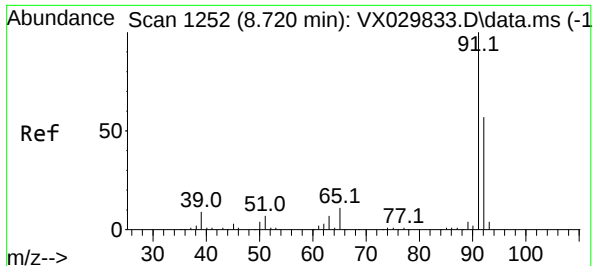
Tgt Ion: 98 Resp: 341768

Ion Ratio Lower Upper

98 100

100 65.6 52.3 78.5

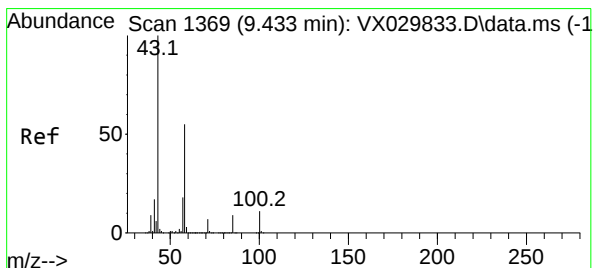
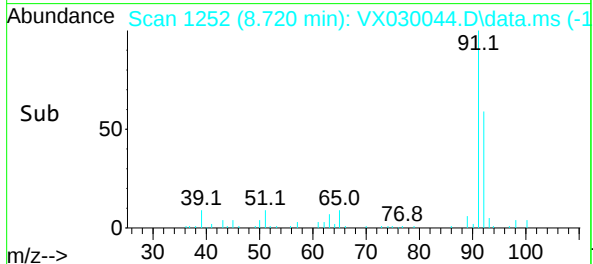
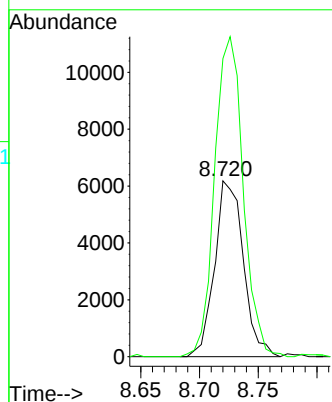
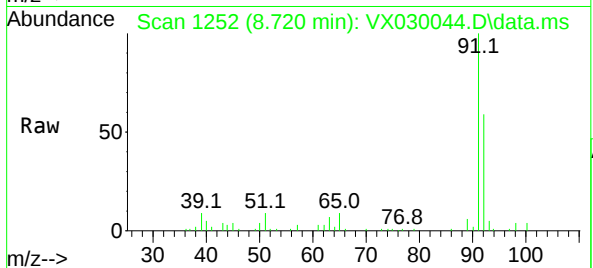




#52
Toluene
Concen: 2.136 ug/l
RT: 8.720 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54

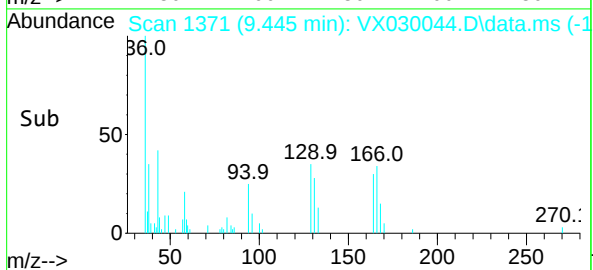
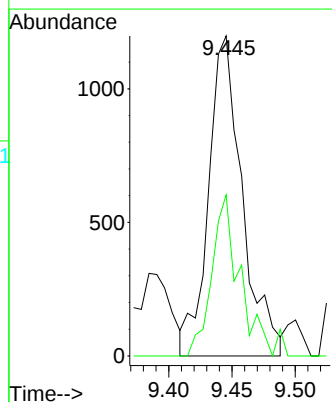
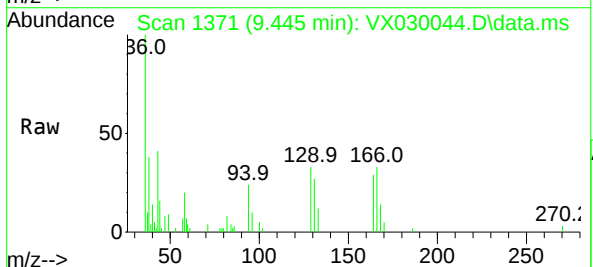
Instrument :
MSVOA_X
ClientSampleId :
SPC-01E-84

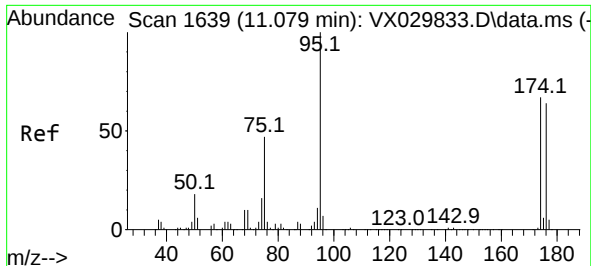
Tgt Ion: 92 Resp: 10487
Ion Ratio Lower Upper
92 100
91 181.4 139.2 208.8



#59
2-Hexanone
Concen: 0.923 ug/l
RT: 9.445 min Scan# 1371
Delta R.T. 0.012 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54

Tgt Ion: 43 Resp: 2224
Ion Ratio Lower Upper
43 100
58 41.0 27.6 82.8

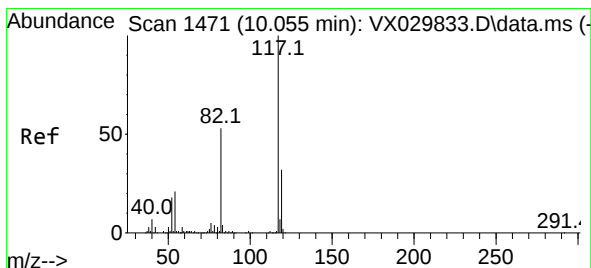
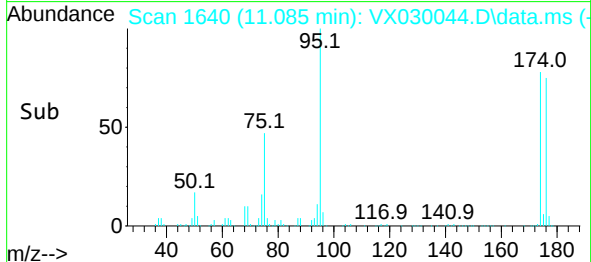
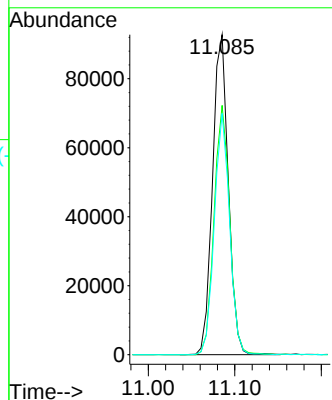
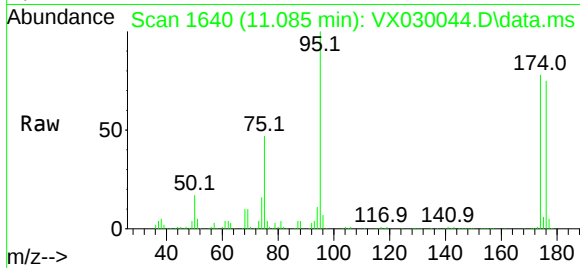




#62
4-Bromofluorobenzene
Concen: 47.361 ug/l
RT: 11.085 min Scan# 1639
Delta R.T. 0.006 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54

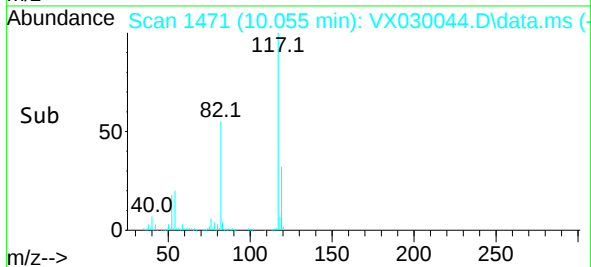
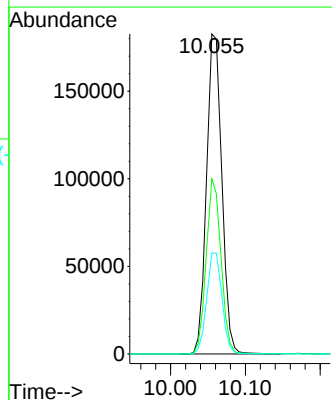
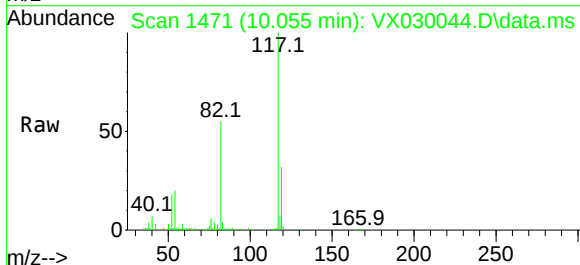
Instrument :
MSVOA_X
ClientSampleId :
SPC-01E-84

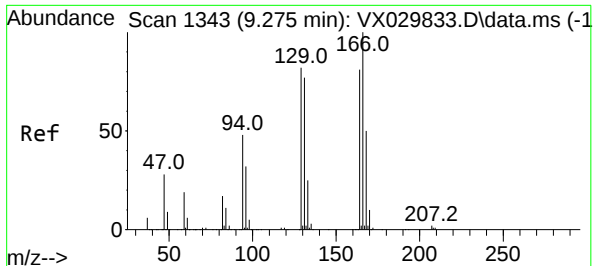
Tgt Ion: 95 Resp: 117576
Ion Ratio Lower Upper
95 100
174 77.3 0.0 149.0
176 72.6 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54

Tgt Ion: 117 Resp: 260078
Ion Ratio Lower Upper
117 100
82 54.7 42.7 64.1
119 31.6 25.4 38.2



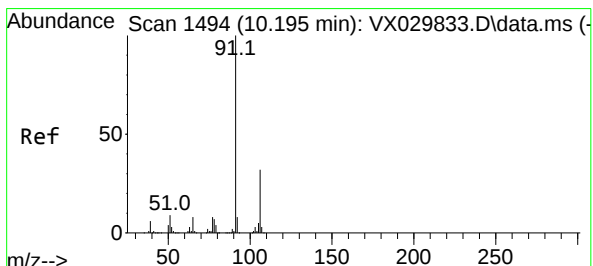
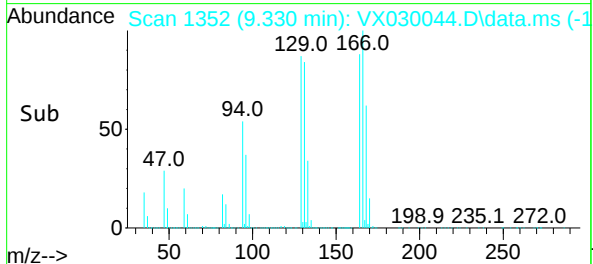
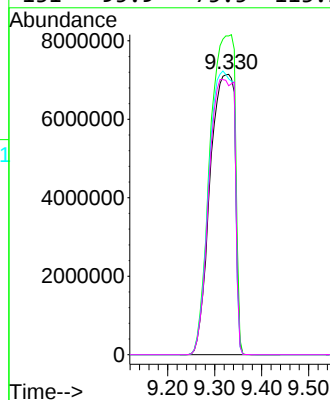
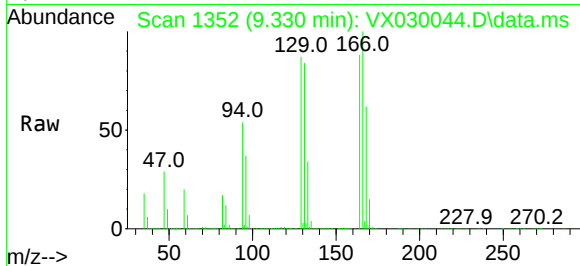


#64
Tetrachloroethene
Concen: 12498.219 ug/l
RT: 9.330 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54

Instrument :
MSVOA_X
ClientSampleId :
SPC-01E-84

Tgt Ion:164 Resp:26093043

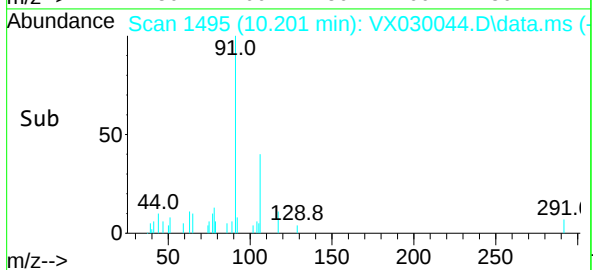
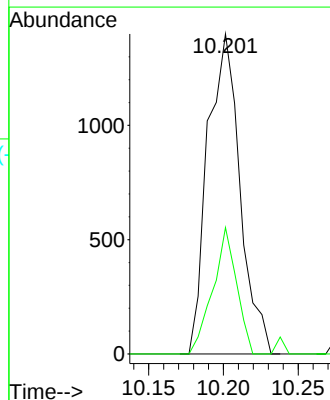
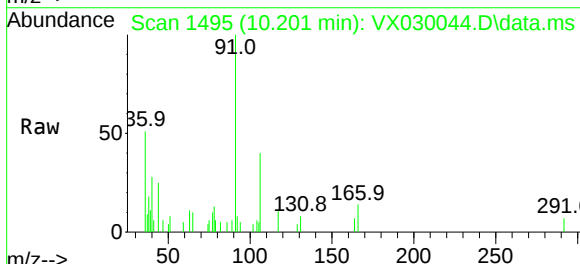
Ion	Ratio	Lower	Upper
164	100		
166	113.7	98.2	147.4
129	98.4	80.8	121.2
131	95.9	75.5	113.3

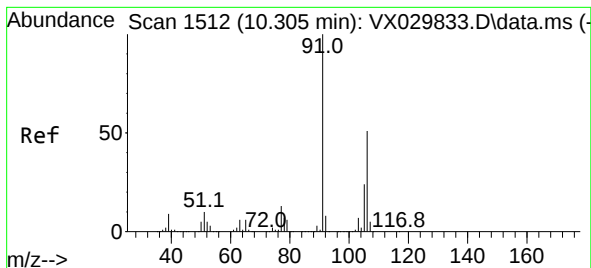


#67
Ethyl Benzene
Concen: 0.239 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54

Tgt Ion: 91 Resp: 2101

Ion	Ratio	Lower	Upper
91	100		
106	39.5	25.5	38.3

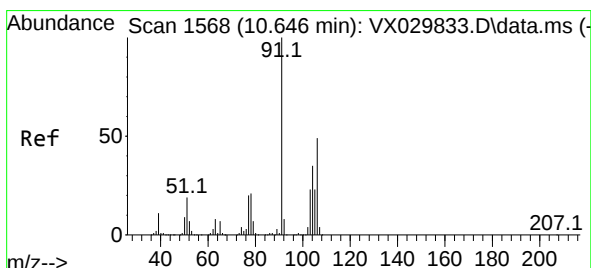
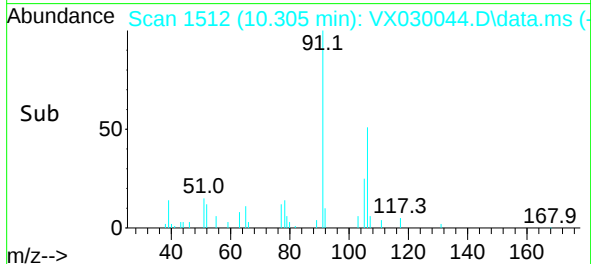
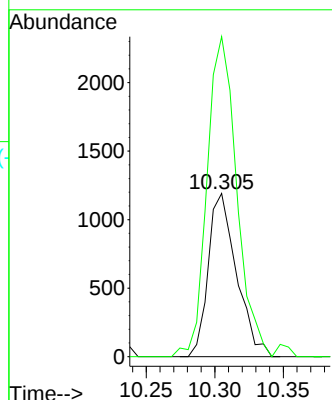
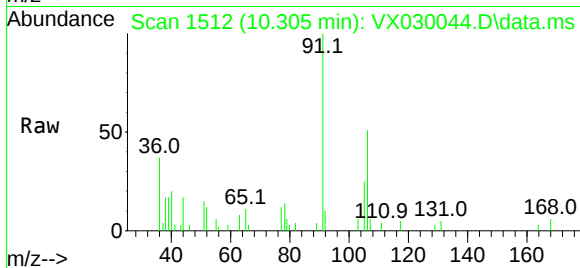




#68
m/p-Xylenes
Concen: 0.497 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54

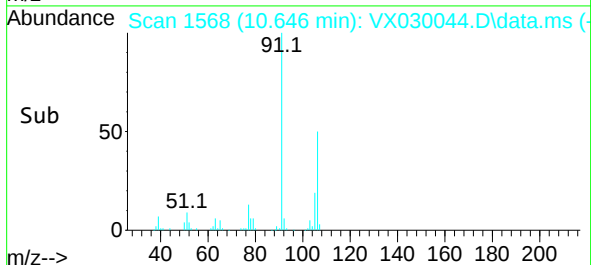
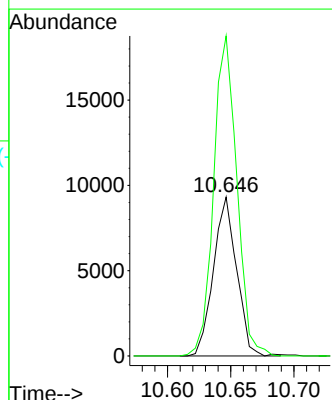
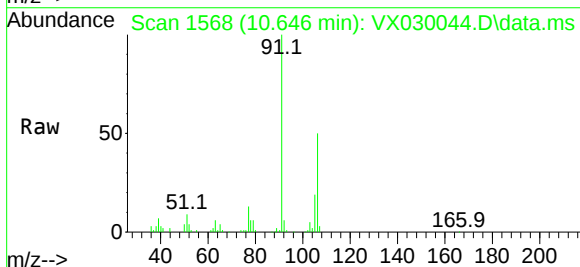
Instrument :
MSVOA_X
ClientSampleId :
SPC-01E-84

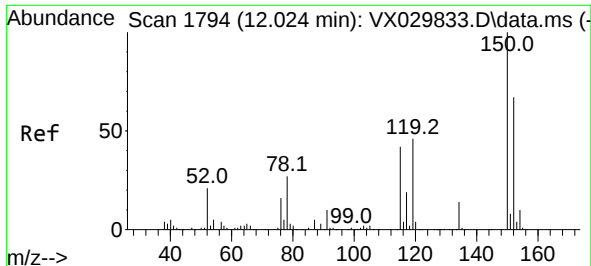
Tgt Ion:106 Resp: 1711
Ion Ratio Lower Upper
106 100
91 205.6 158.2 237.4



#69
o-Xylene
Concen: 3.443 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54

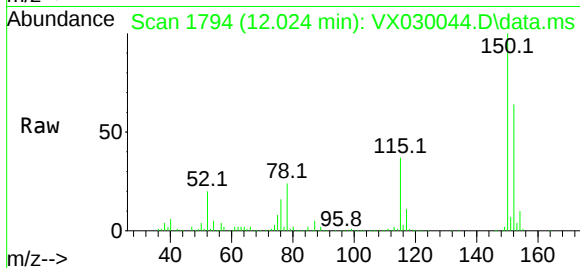
Tgt Ion:106 Resp: 11869
Ion Ratio Lower Upper
106 100
91 201.3 103.8 311.6



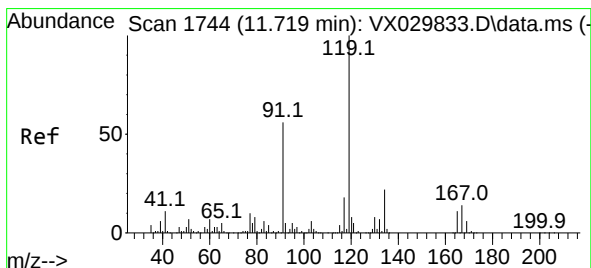
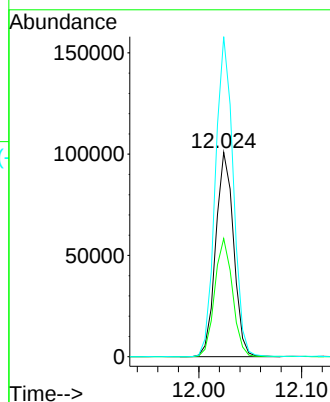
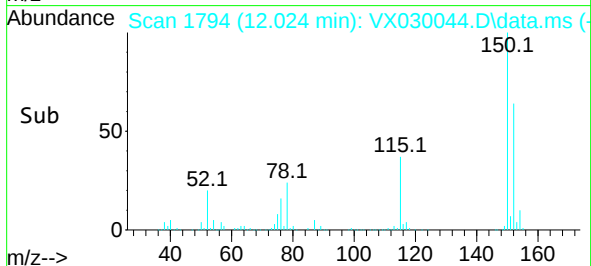


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54

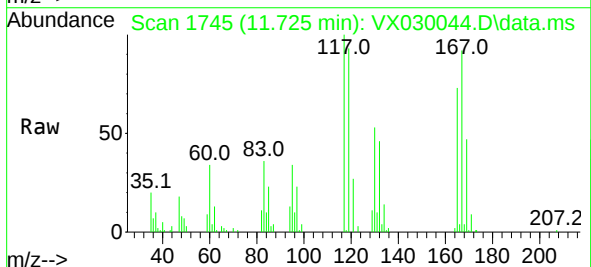
Instrument :
MSVOA_X
ClientSampleId :
SPC-01E-84



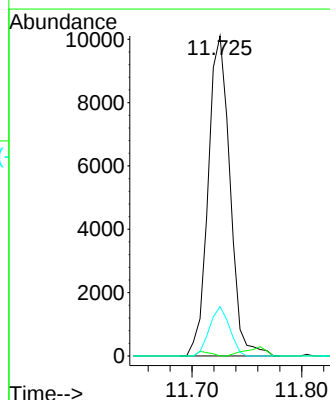
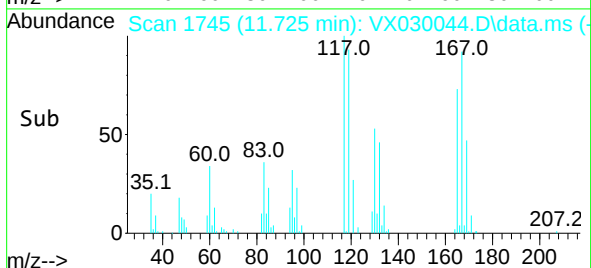
Tgt Ion:152 Resp: 121618
Ion Ratio Lower Upper
152 100
115 57.5 40.5 121.5
150 156.6 0.0 347.0

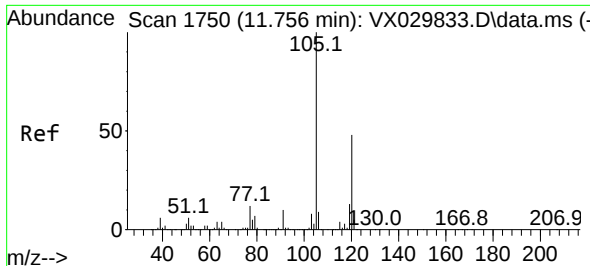


#83
tert-Butylbenzene
Concen: 2.042 ug/l
RT: 11.725 min Scan# 1745
Delta R.T. 0.006 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54



Tgt Ion:119 Resp: 13970
Ion Ratio Lower Upper
119 100
91 0.9 28.3 84.9#
134 14.1 11.2 33.5

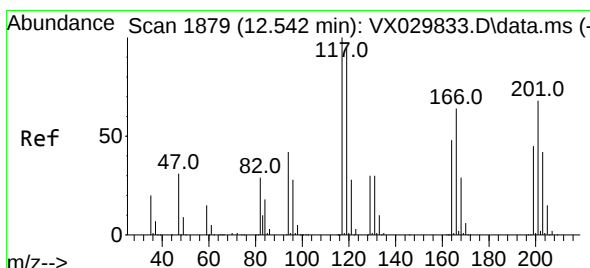
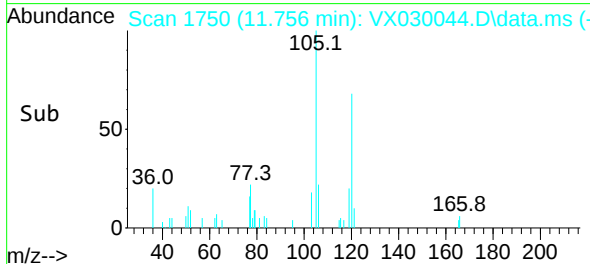
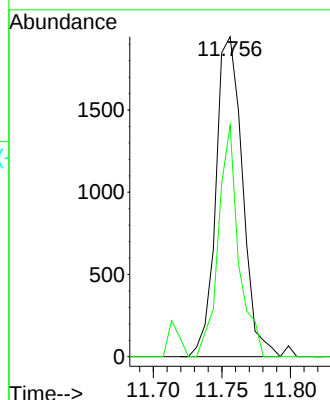
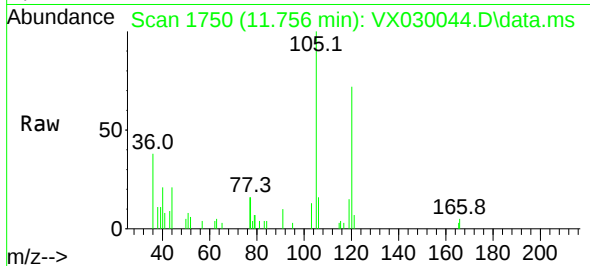




#84
1,2,4-Trimethylbenzene
Concen: 0.372 ug/l
RT: 11.756 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54

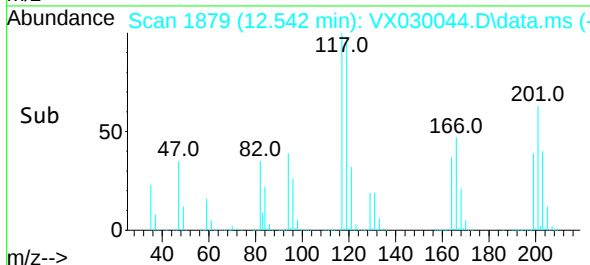
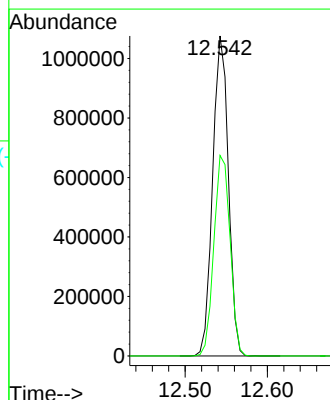
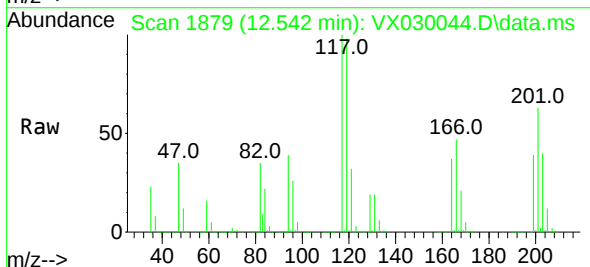
Instrument :
MSVOA_X
ClientSampleId :
SPC-01E-84

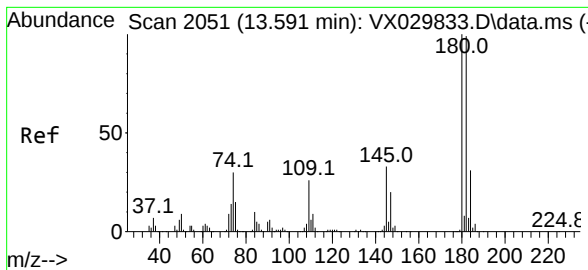
Tgt Ion:105 Resp: 2629
Ion Ratio Lower Upper
105 100
120 55.0 22.9 68.8



#90
Hexachloroethane
Concen: 1149.764 ug/l
RT: 12.542 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VX030044.D
Acq: 13 Jul 2022 14:54

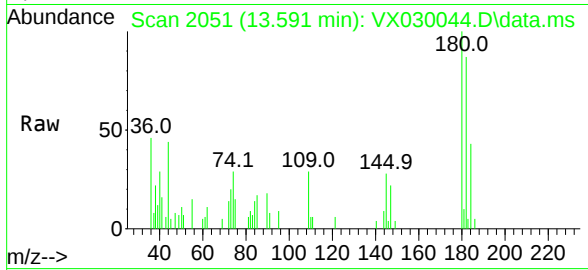
Tgt Ion:117 Resp: 1426465
Ion Ratio Lower Upper
117 100
201 64.8 34.2 102.5





#93
 1,2,4-Trichlorobenzene
 Concen: 0.723 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. -0.000 min
 Lab File: VX030044.D
 Acq: 13 Jul 2022 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 SPC-01E-84



Tgt Ion:	180	Resp:	1766
Ion	Ratio	Lower	Upper
180	100		
182	100.2	48.2	144.6
145	28.0	15.9	47.6

