

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072122\
 Data File : VX030148.D
 Acq On : 20 Jul 2022 21:30
 Operator : JC/MD
 Sample : N3767-07 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TANK-P

Quant Time: Jul 21 03:34:28 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)

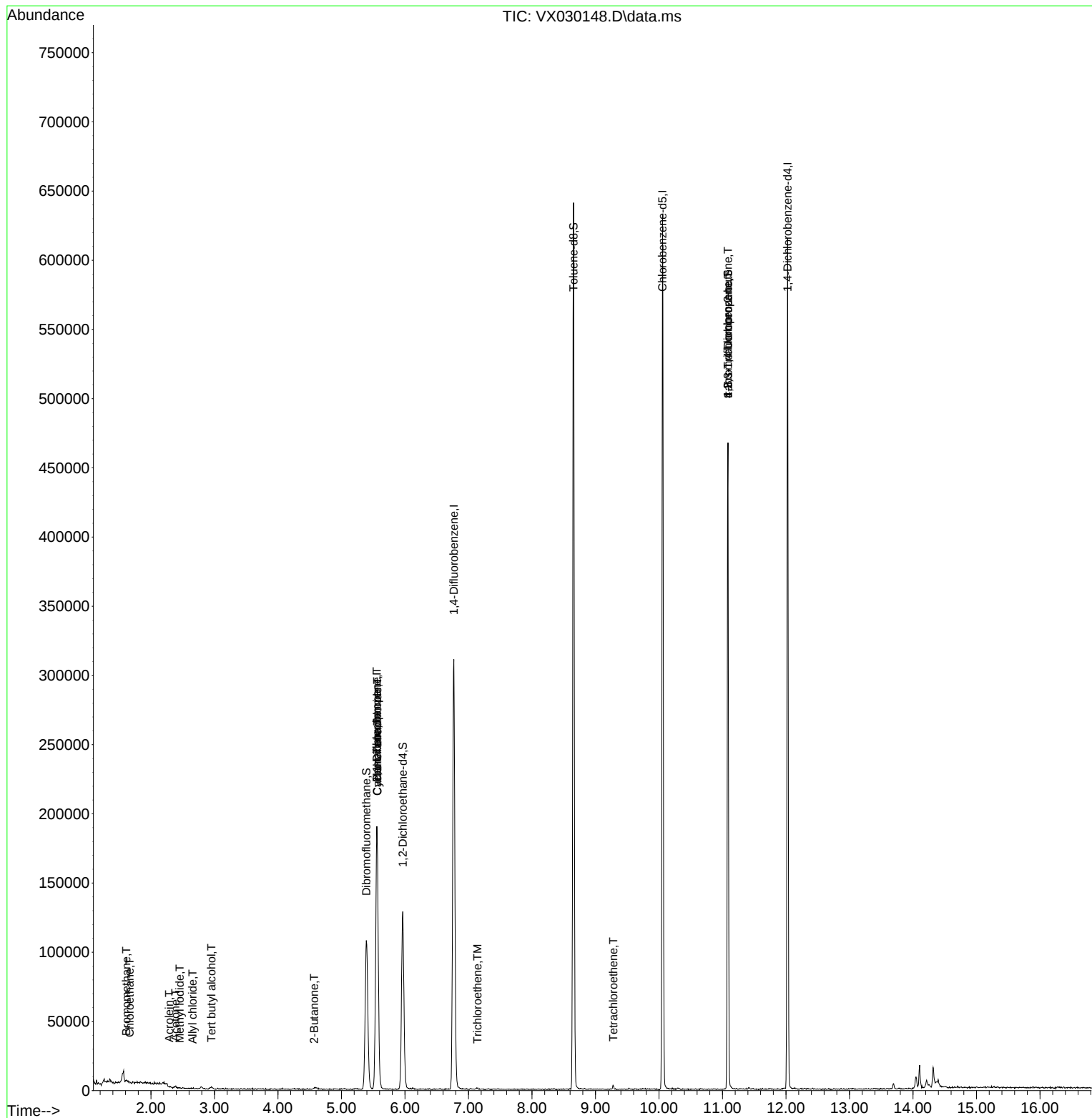
Internal Standards						
1) Pentafluorobenzene	5.556	168	177051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	324755	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	285908	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121688	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	115393	53.546	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.100%			
35) Dibromofluoromethane	5.391	113	96592	46.558	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.120%			
50) Toluene-d8	8.653	98	374902	48.048	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.100%			
62) 4-Bromofluorobenzene	11.085	95	128225	47.355	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.700%			
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.319	85	82	Below Cal	#	42
5) Bromomethane	1.612	94	283	0.325	ug/l #	20
6) Chloroethane	1.666	64	324	0.281	ug/l #	41
10) Methyl Iodide	2.453	142	157	2.492	ug/l #	83
11) Tert butyl alcohol	2.953	59	710	1.277	ug/l #	74
13) Acrolein	2.288	56	113	1.020	ug/l #	14
14) Allyl chloride	2.654	41	803	0.255	ug/l #	48
16) Acetone	2.386	43	1596	1.572	ug/l #	81
17) Carbon Disulfide	2.508	76	317	Below Cal	#	74
20) Methylene Chloride	2.794	84	669	Below Cal	#	65
25) 2-Butanone	4.568	43	368	0.213	ug/l #	48
31) Cyclohexane	5.562	56	4204	1.346	ug/l #	6
36) 1,1-Dichloropropene	5.556	75	14825	5.532	ug/l #	48
38) Carbon Tetrachloride	5.562	117	18102	7.244	ug/l #	20
44) Trichloroethene	7.141	130	495	0.201	ug/l	58
64) Tetrachloroethene	9.281	164	547	0.238	ug/l #	47
76) 1,2,3-Trichloropropane	11.085	75	62571	22.364	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	62571	64.541	ug/l #	13

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

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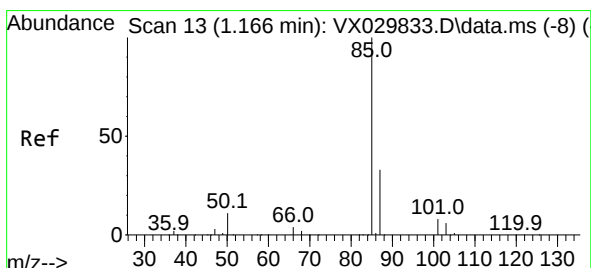
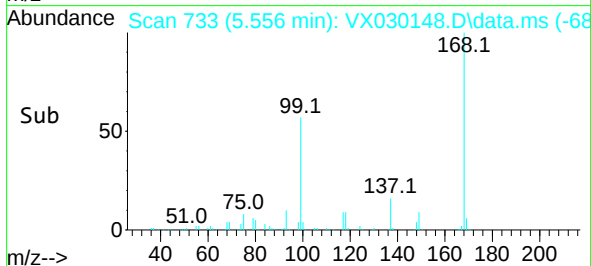
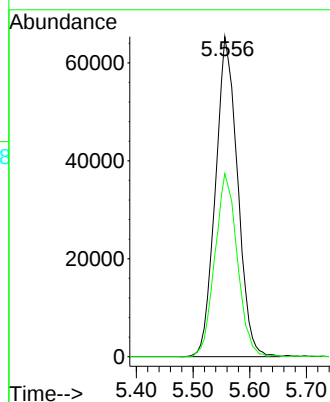
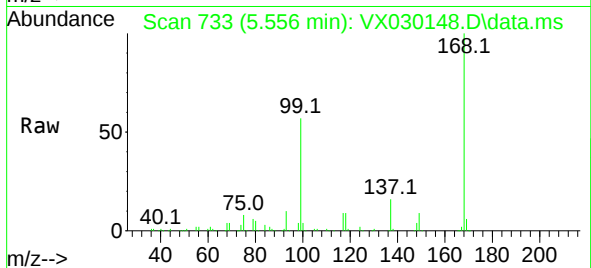




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX030148.D
Acq: 20 Jul 2022 21:30

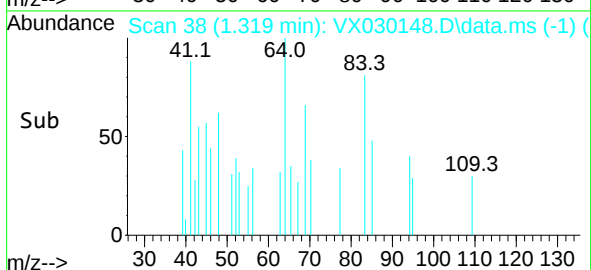
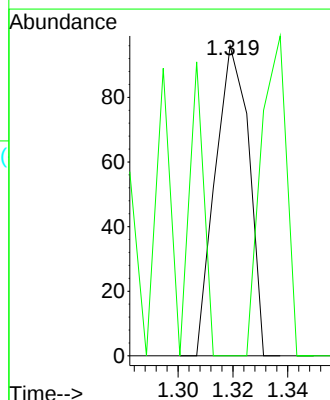
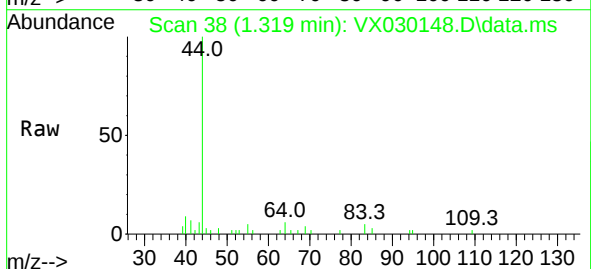
Instrument :
MSVOA_X
ClientSampleId :
TANK-P

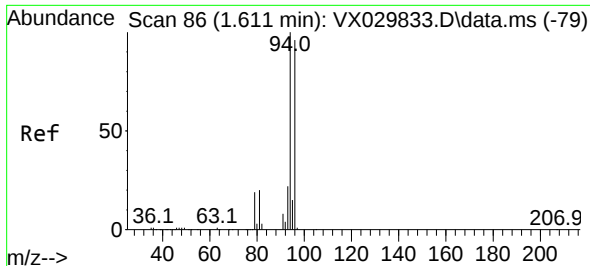
Tgt Ion:168 Resp: 177051
Ion Ratio Lower Upper
168 100
99 57.2 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.319 min Scan# 38
Delta R.T. 0.153 min
Lab File: VX030148.D
Acq: 20 Jul 2022 21:30

Tgt Ion: 85 Resp: 82
Ion Ratio Lower Upper
85 100
87 0.0 16.5 49.5#

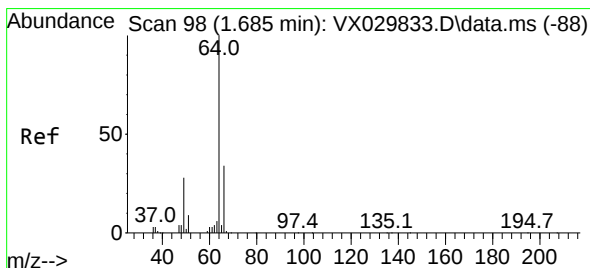
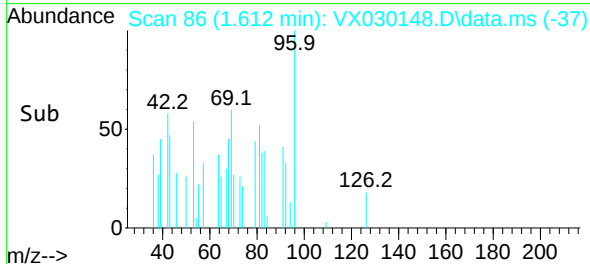
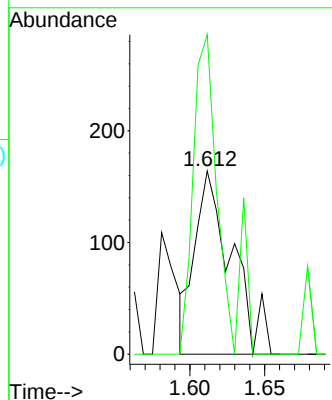
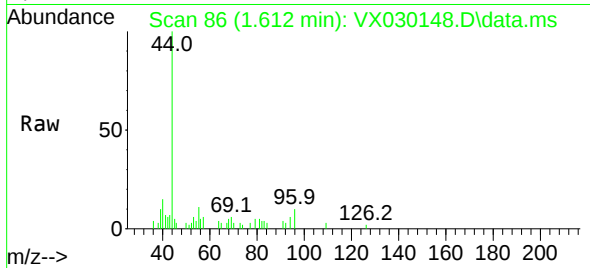




#5
Bromomethane
Concen: 0.325 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.001 min
Lab File: VX030148.D
Acq: 20 Jul 2022 21:30

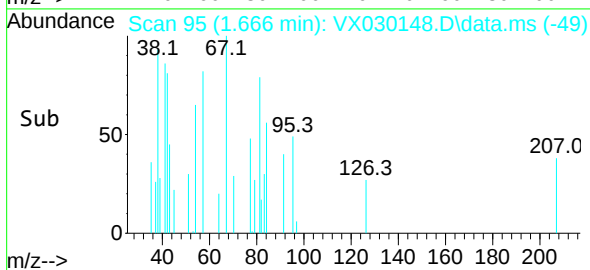
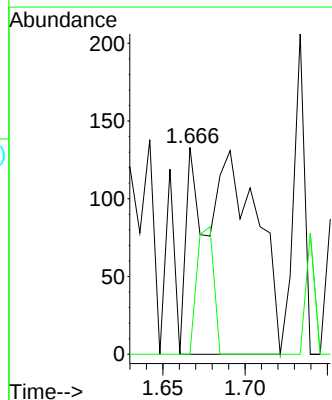
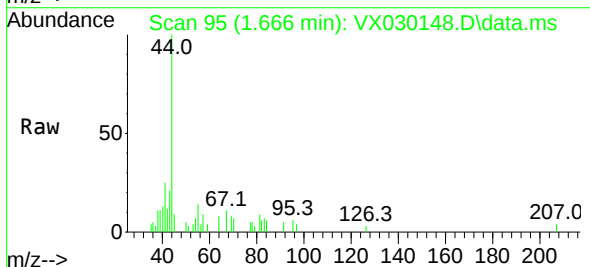
Instrument :
MSVOA_X
Client SampleId :
TANK-P

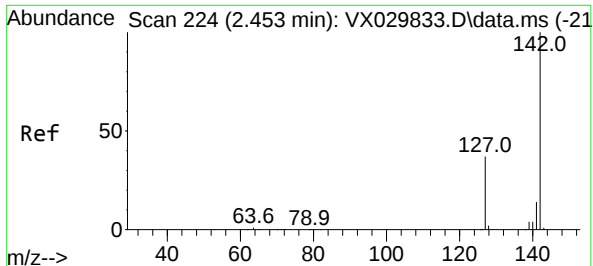
Tgt Ion: 94 Resp: 283
Ion Ratio Lower Upper
94 100
96 174.4 76.9 115.3#



#6
Chloroethane
Concen: 0.281 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.019 min
Lab File: VX030148.D
Acq: 20 Jul 2022 21:30

Tgt Ion: 64 Resp: 324
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

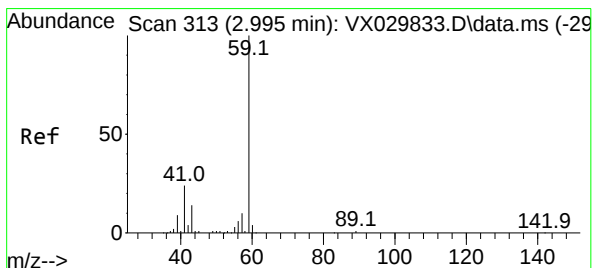
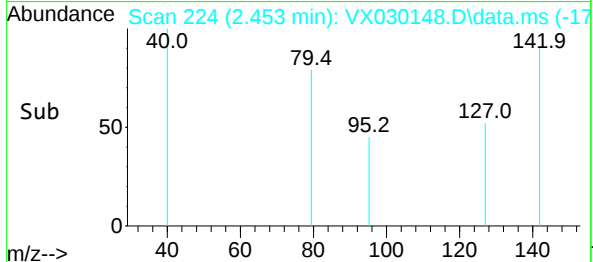
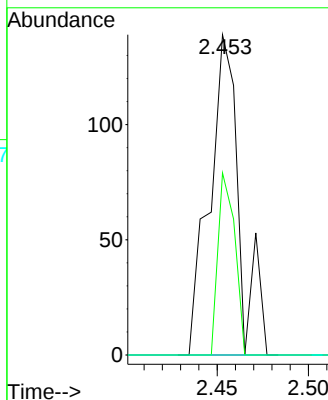
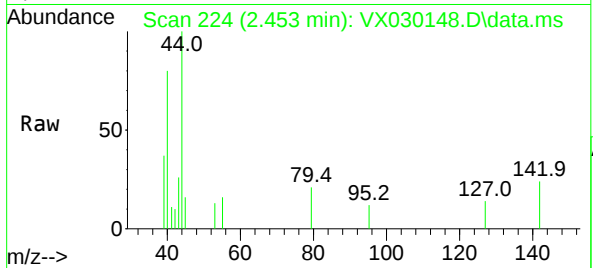




#10
Methyl Iodide
Concen: 2.492 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX030148.D
Acq: 20 Jul 2022 21:30

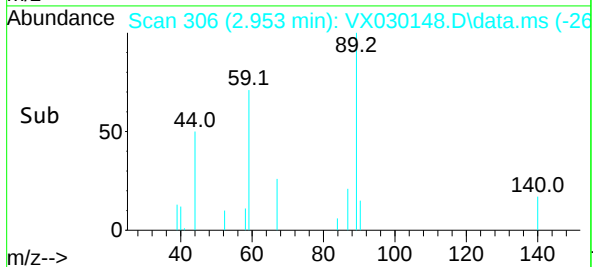
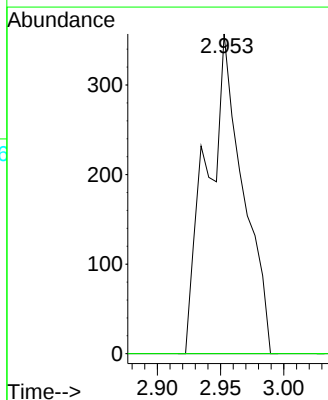
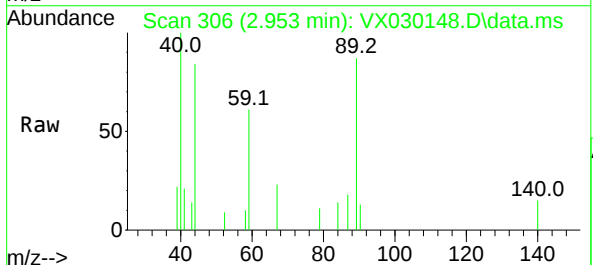
Instrument :
MSVOA_X
ClientSampleId :
TANK-P

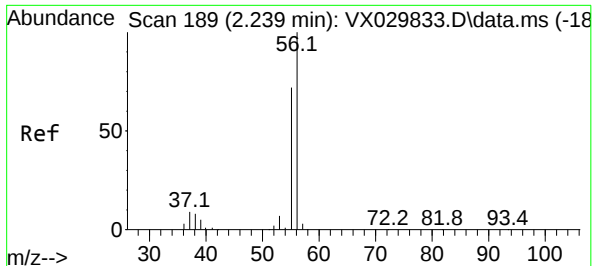
Tgt Ion:142 Resp: 157
Ion Ratio Lower Upper
142 100
127 31.8 30.2 45.2
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 1.277 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.042 min
Lab File: VX030148.D
Acq: 20 Jul 2022 21:30

Tgt Ion: 59 Resp: 710
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#13

Acrolein

Concen: 1.020 ug/l

RT: 2.288 min Scan# 113

Delta R.T. 0.049 min

Lab File: VX030148.D

Acq: 20 Jul 2022 21:30

Instrument :

MSVOA_X

ClientSampleId :

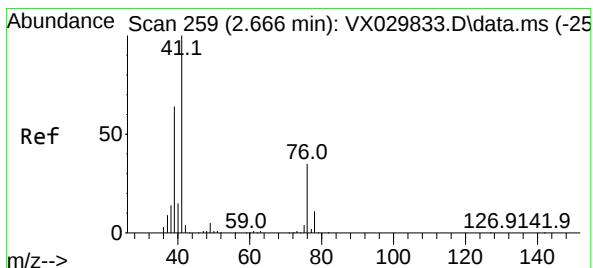
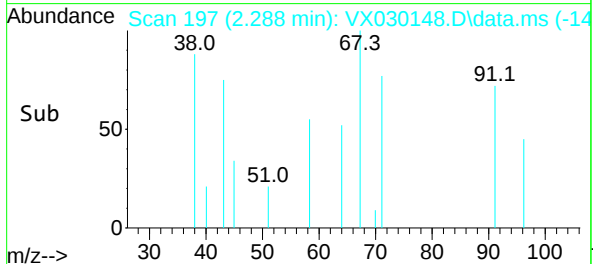
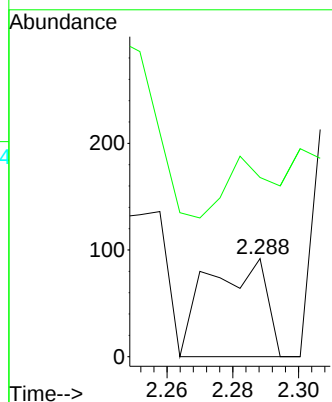
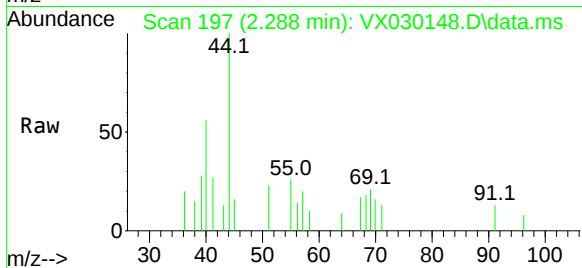
TANK-P

Tgt Ion: 56 Resp: 113

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#



#14

Allyl chloride

Concen: 0.255 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.012 min

Lab File: VX030148.D

Acq: 20 Jul 2022 21:30

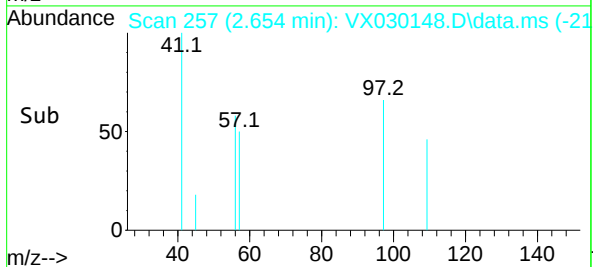
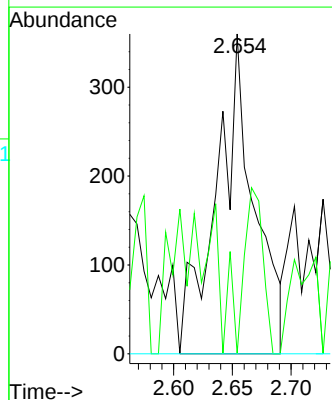
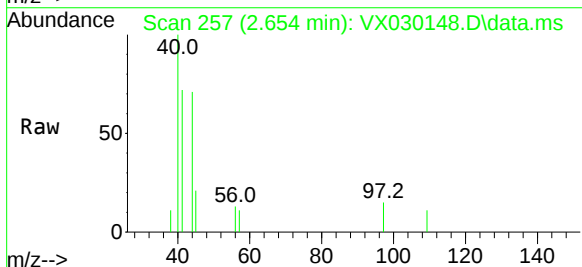
Tgt Ion: 41 Resp: 803

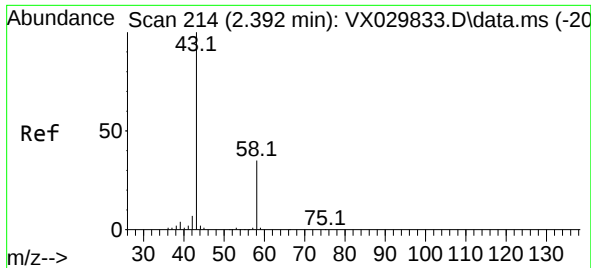
Ion Ratio Lower Upper

41 100

39 24.8 48.9 73.3#

76 0.0 26.9 40.3#

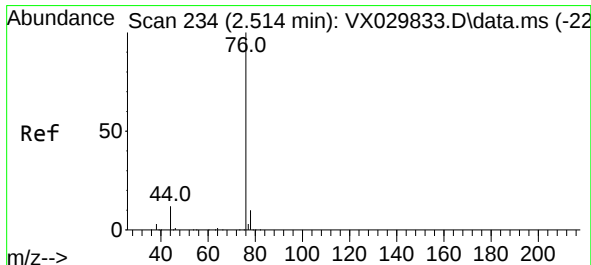
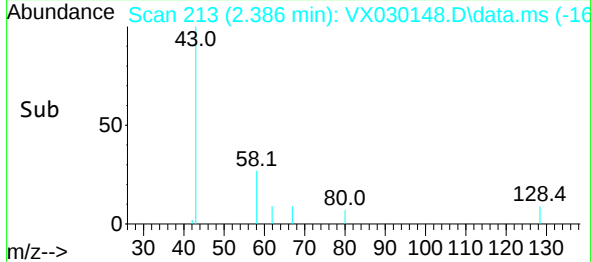
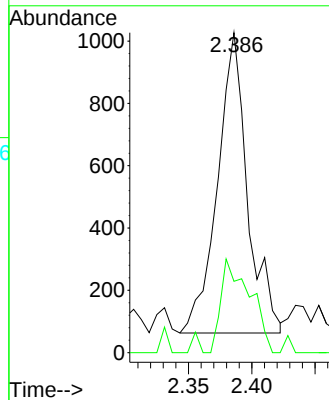
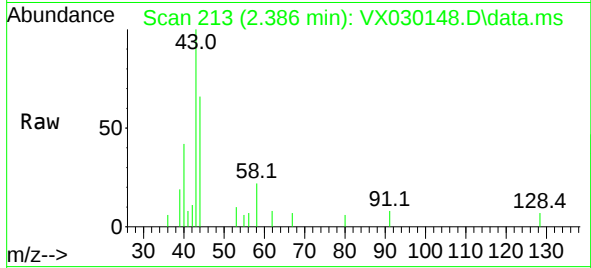




#16
Acetone
Concen: 1.572 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX030148.D
Acq: 20 Jul 2022 21:30

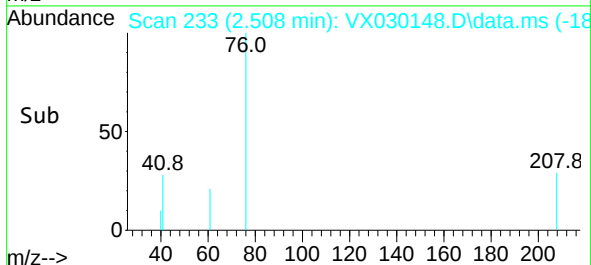
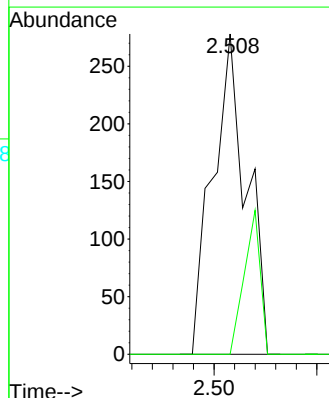
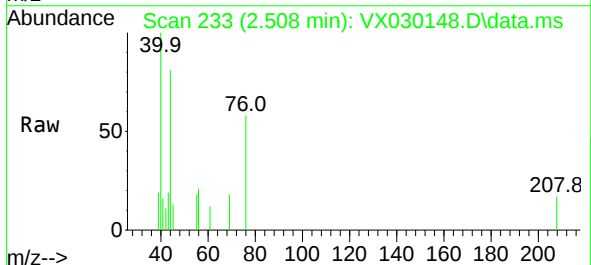
Instrument :
MSVOA_X
ClientSampleId :
TANK-P

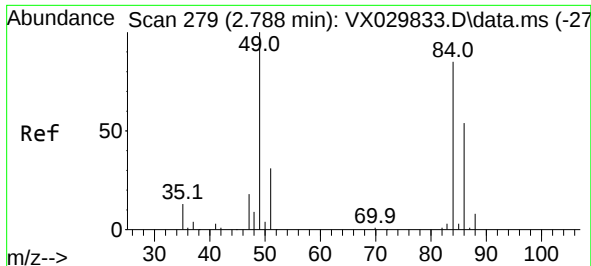
Tgt Ion: 43 Resp: 1596
Ion Ratio Lower Upper
43 100
58 23.8 27.7 41.5#



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX030148.D
Acq: 20 Jul 2022 21:30

Tgt Ion: 76 Resp: 317
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#

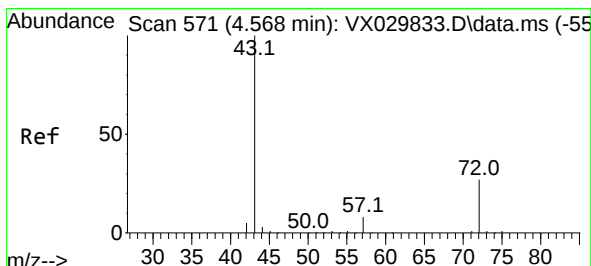
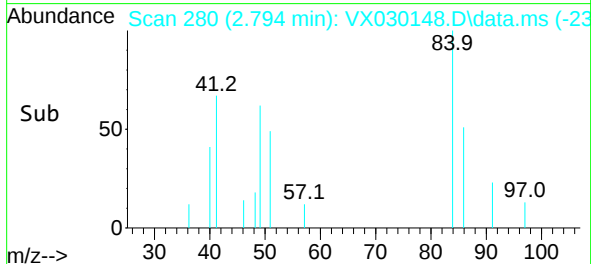
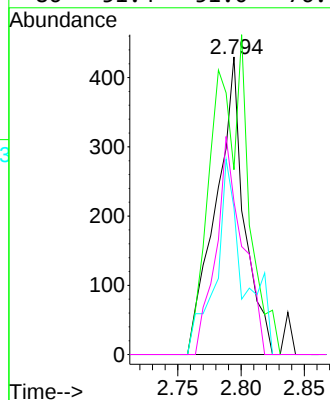
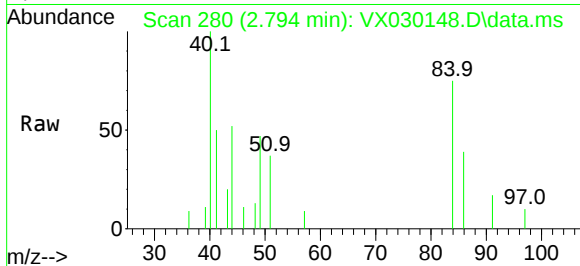




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030148.D
Acq: 20 Jul 2022 21:30

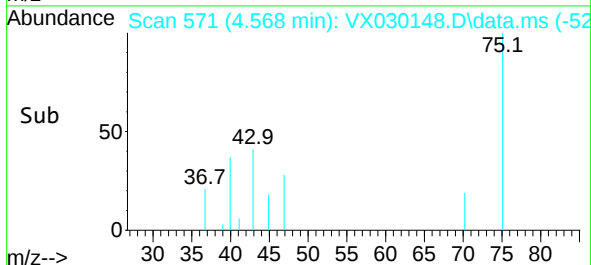
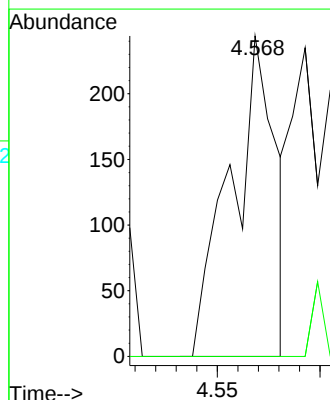
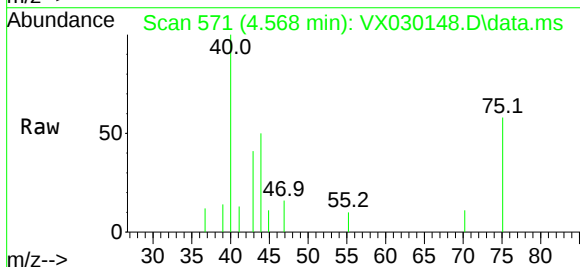
Instrument :
MSVOA_X
ClientSampleId :
TANK-P

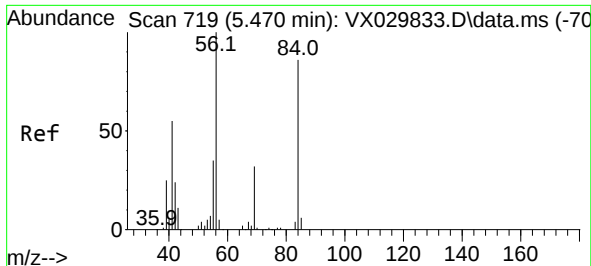
Tgt Ion: 84	Resp: 669
Ion Ratio	Lower Upper
84 100	
49 62.1	93.8 140.6#
51 49.3	29.4 44.0#
86 51.4	51.0 76.4



#25
2-Butanone
Concen: 0.213 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX030148.D
Acq: 20 Jul 2022 21:30

Tgt Ion: 43	Resp: 368
Ion Ratio	Lower Upper
43 100	
72 0.0	21.7 32.5#

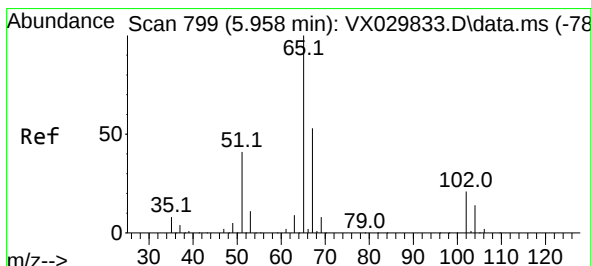
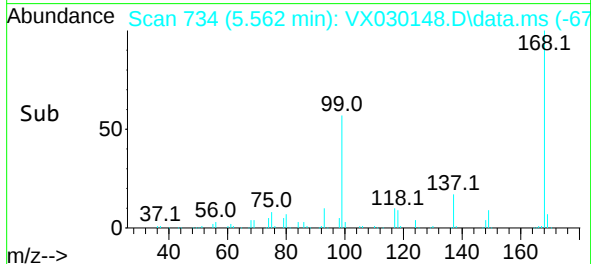
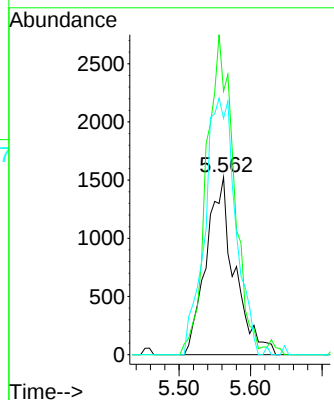
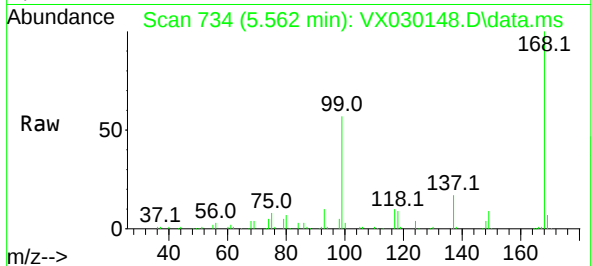




#31
Cyclohexane
Concen: 1.346 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX030148.D
Acq: 20 Jul 2022 21:30

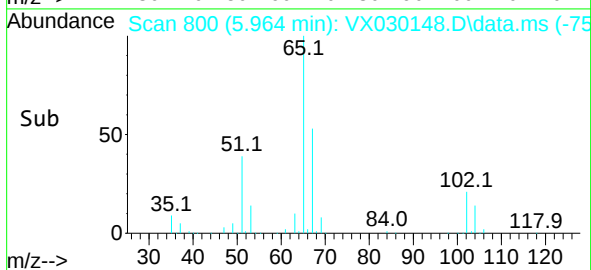
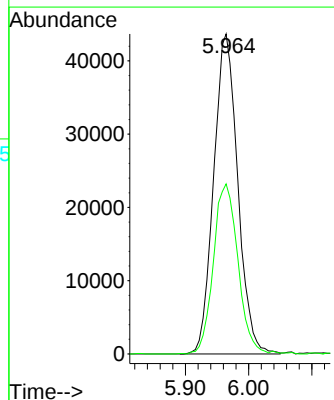
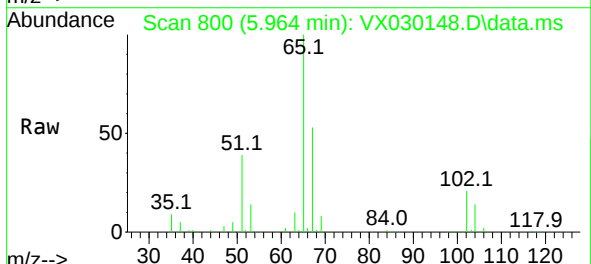
Instrument :
MSVOA_X
ClientSampleId :
TANK-P

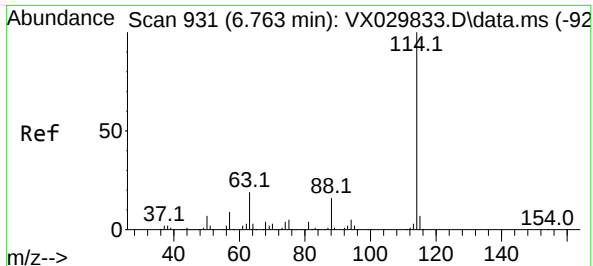
Tgt Ion: 56 Resp: 4204
Ion Ratio Lower Upper
56 100
69 148.5 25.4 38.0#
84 133.2 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 53.546 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX030148.D
Acq: 20 Jul 2022 21:30

Tgt Ion: 65 Resp: 115393
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.6

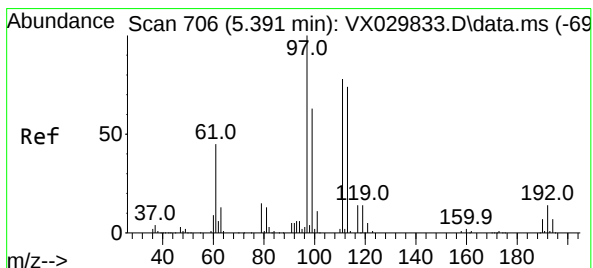
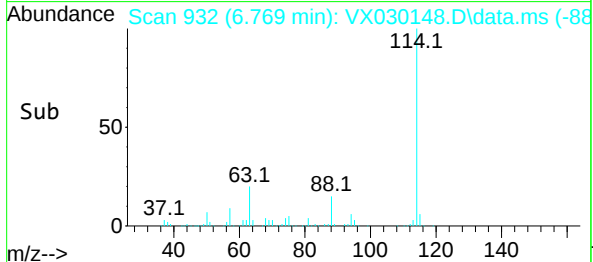
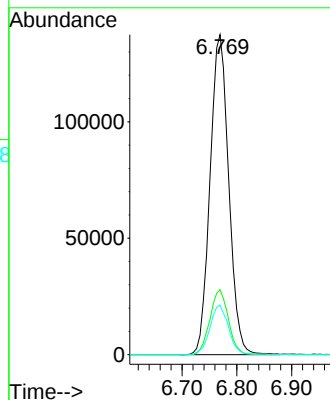
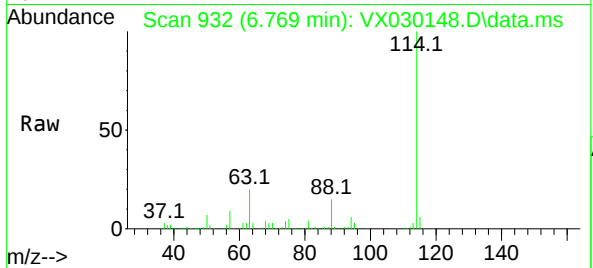




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX030148.D
Acq: 20 Jul 2022 21:30

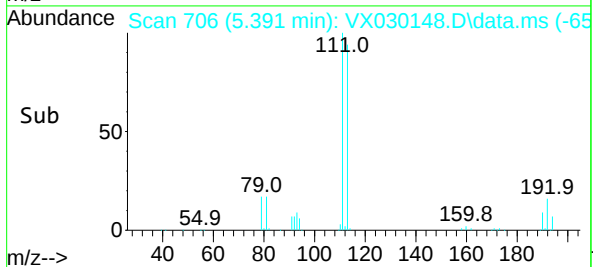
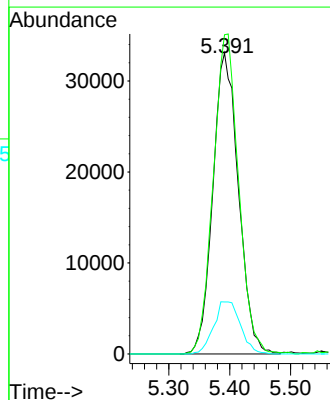
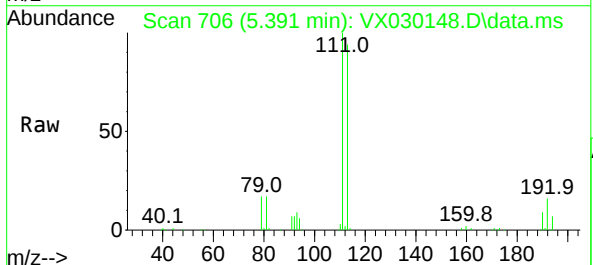
Instrument :
MSVOA_X
ClientSampleId :
TANK-P

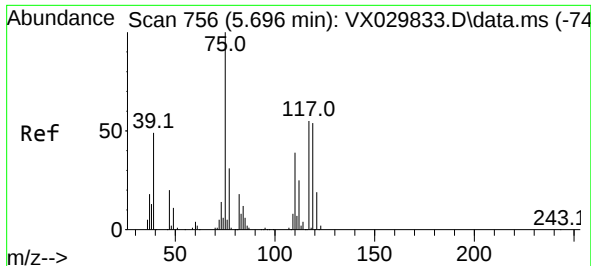
Tgt Ion:114 Resp: 324755
Ion Ratio Lower Upper
114 100
63 20.3 0.0 38.4
88 15.5 0.0 31.8



#35
Dibromofluoromethane
Concen: 46.558 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030148.D
Acq: 20 Jul 2022 21:30

Tgt Ion:113 Resp: 96592
Ion Ratio Lower Upper
113 100
111 105.1 83.2 124.8
192 18.1 14.8 22.2

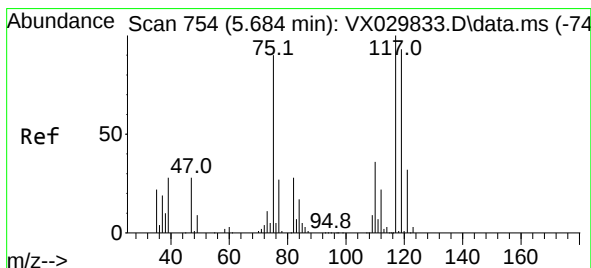
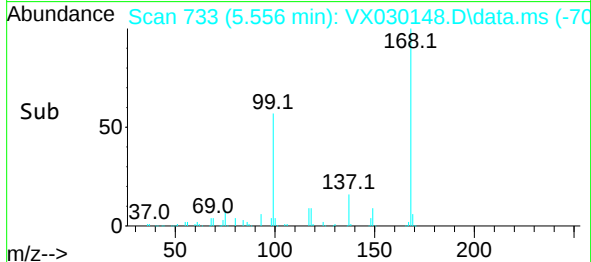
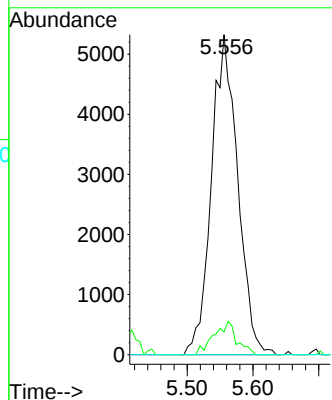
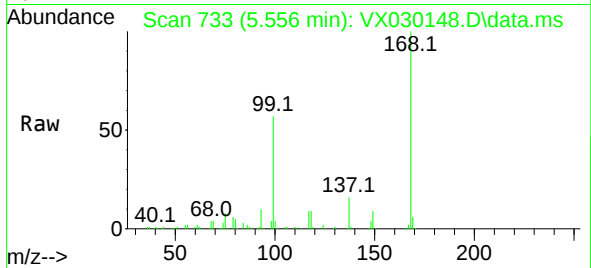




#36
1,1-Dichloropropene
Concen: 5.532 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX030148.D
Acq: 20 Jul 2022 21:30

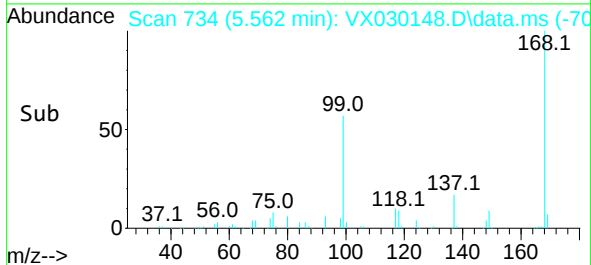
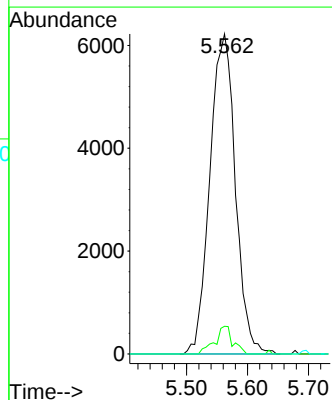
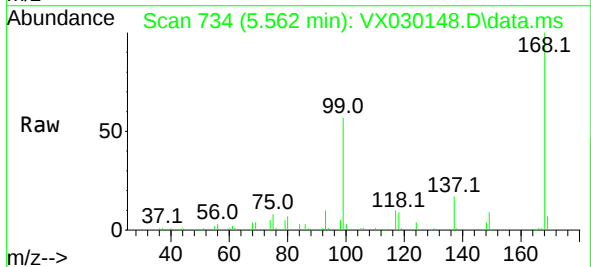
Instrument :
MSVOA_X
ClientSampleId :
TANK-P

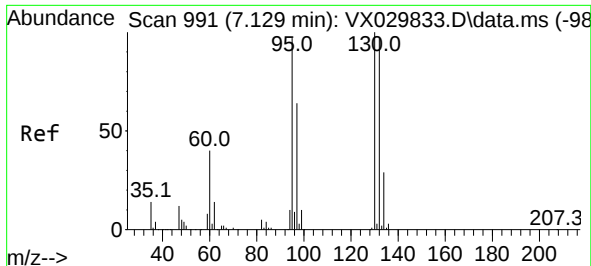
Tgt Ion: 75 Resp: 14825
Ion Ratio Lower Upper
75 100
110 9.0 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.244 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX030148.D
Acq: 20 Jul 2022 21:30

Tgt Ion: 117 Resp: 18102
Ion Ratio Lower Upper
117 100
119 8.6 74.1 111.1#
121 0.0 25.8 38.8#

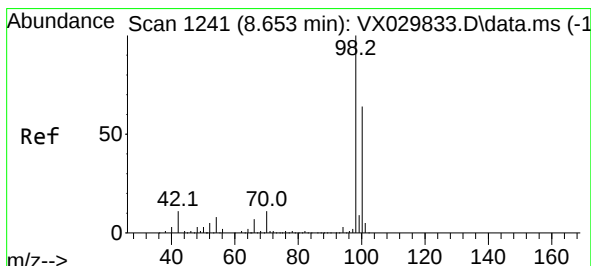
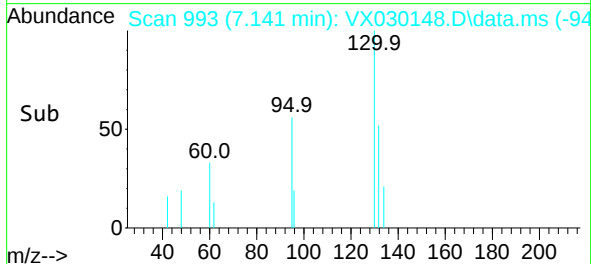
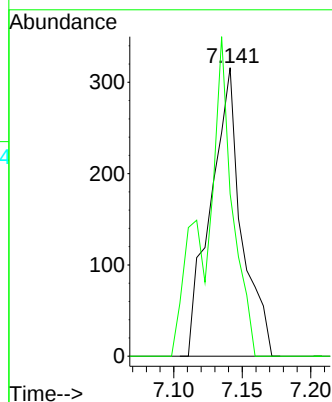
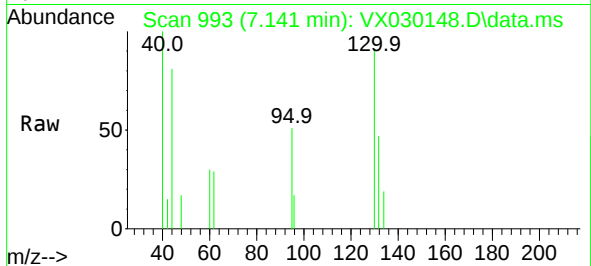




#44
 Trichloroethene
 Concen: 0.201 ug/l
 RT: 7.141 min Scan# 94
 Delta R.T. 0.012 min
 Lab File: VX030148.D
 Acq: 20 Jul 2022 21:30

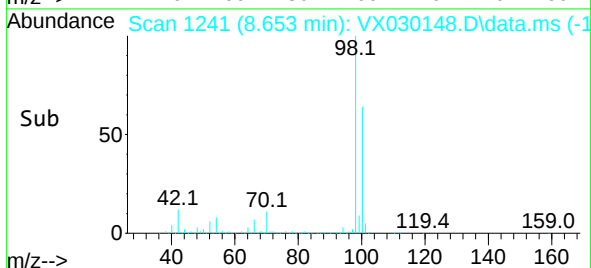
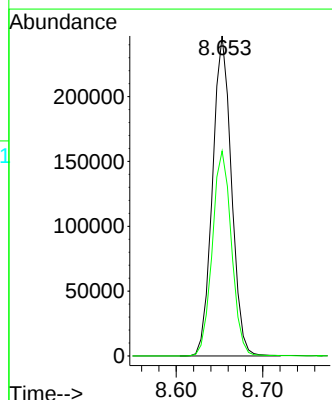
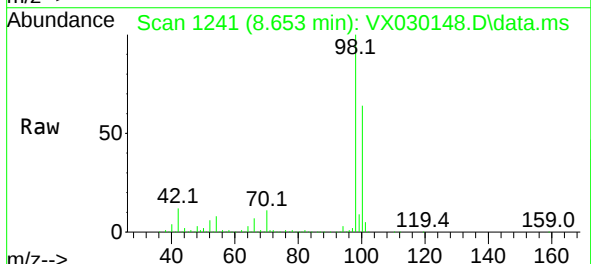
Instrument :
 MSVOA_X
 ClientSampleId :
 TANK-P

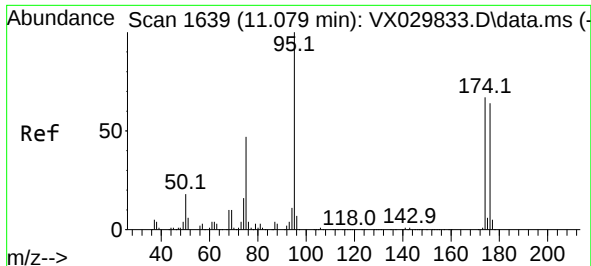
Tgt Ion:130 Resp: 495
 Ion Ratio Lower Upper
 130 100
 95 56.3 0.0 194.8



#50
 Toluene-d8
 Concen: 48.048 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. 0.000 min
 Lab File: VX030148.D
 Acq: 20 Jul 2022 21:30

Tgt Ion: 98 Resp: 374902
 Ion Ratio Lower Upper
 98 100
 100 64.9 52.3 78.5

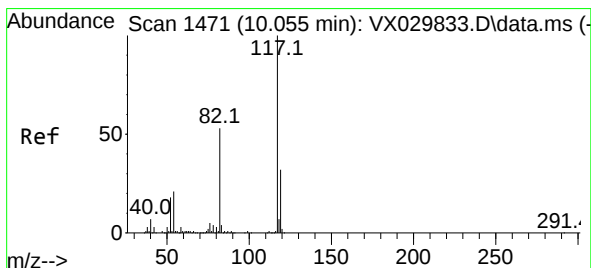
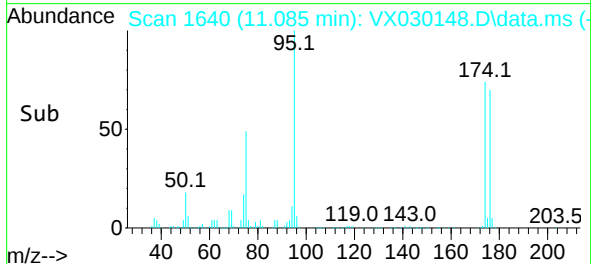
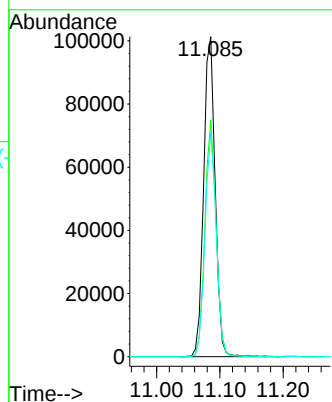
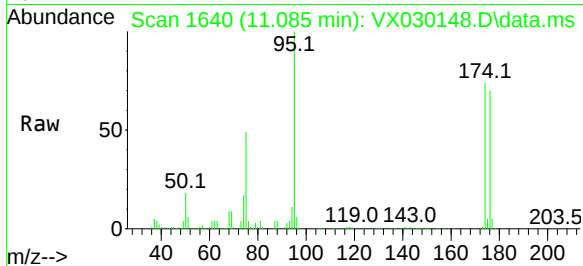




#62
4-Bromofluorobenzene
Concen: 47.355 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX030148.D
Acq: 20 Jul 2022 21:30

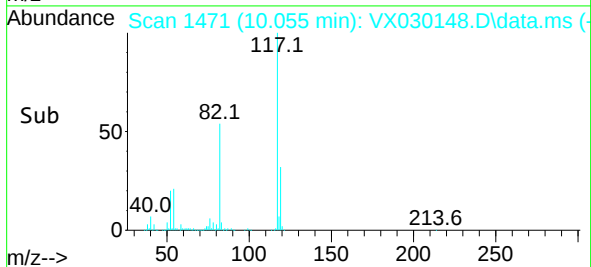
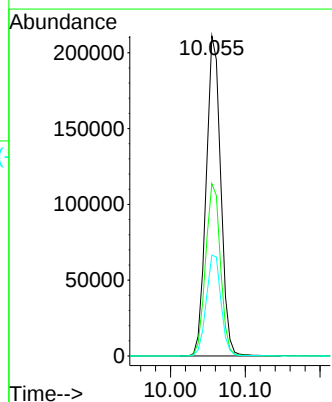
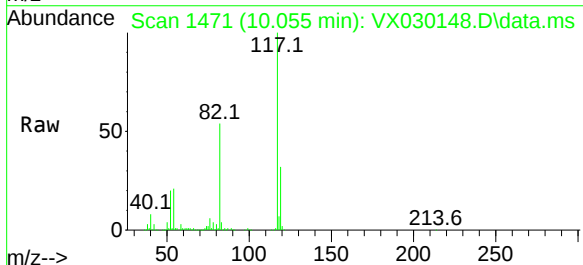
Instrument :
MSVOA_X
ClientSampleId :
TANK-P

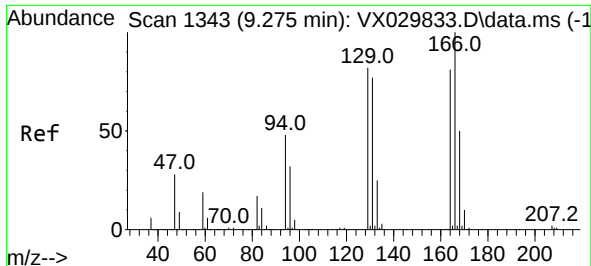
Tgt Ion: 95 Resp: 128225
Ion Ratio Lower Upper
95 100
174 72.4 0.0 149.0
176 68.8 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030148.D
Acq: 20 Jul 2022 21:30

Tgt Ion: 117 Resp: 285908
Ion Ratio Lower Upper
117 100
82 53.9 42.7 64.1
119 31.5 25.4 38.2

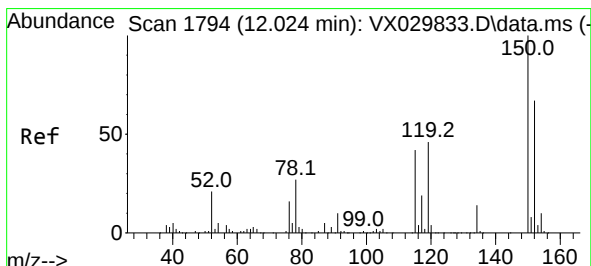
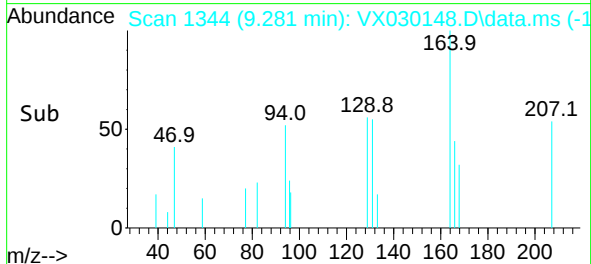
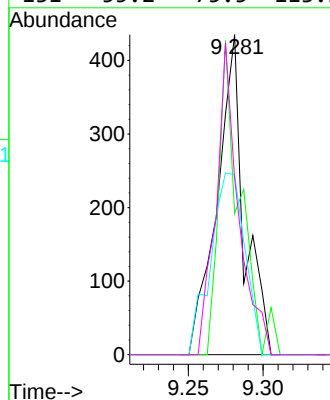
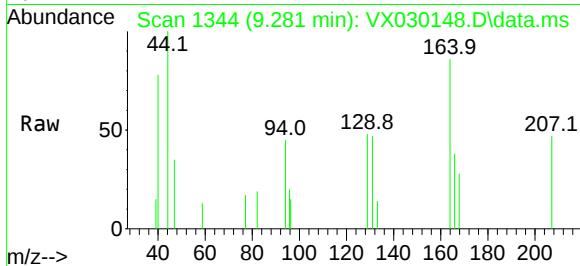




#64
Tetrachloroethene
Concen: 0.238 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX030148.D
Acq: 20 Jul 2022 21:30

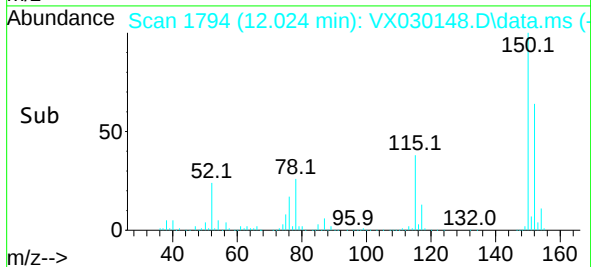
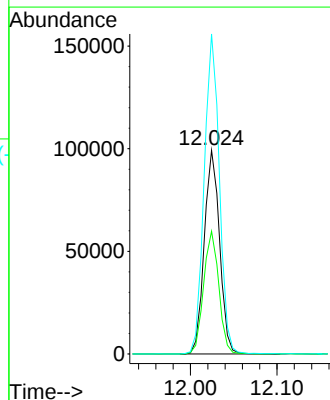
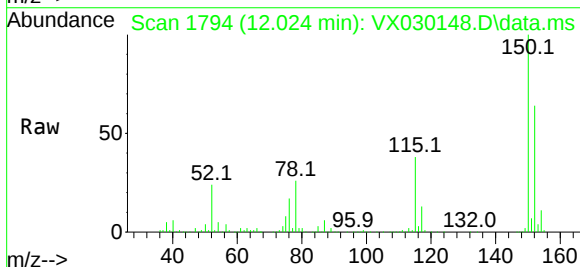
Instrument :
MSVOA_X
ClientSampleId :
TANK-P

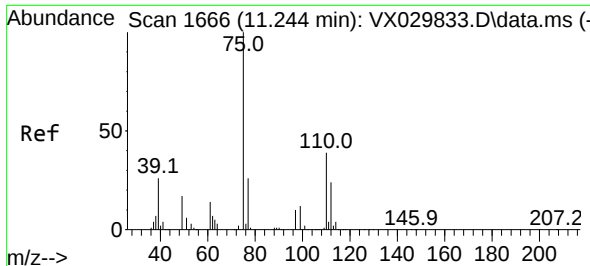
Tgt Ion:164	Resp:	547
Ion Ratio	Lower	Upper
164	100	
166	44.1	98.2 147.4#
129	56.3	80.8 121.2#
131	55.2	75.5 113.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030148.D
Acq: 20 Jul 2022 21:30

Tgt Ion:152	Resp:	121688
Ion Ratio	Lower	Upper
152	100	
115	59.9	40.5 121.5
150	155.9	0.0 347.0

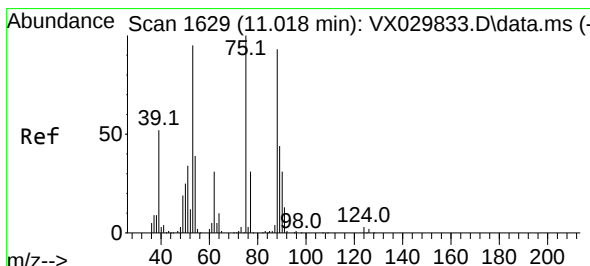
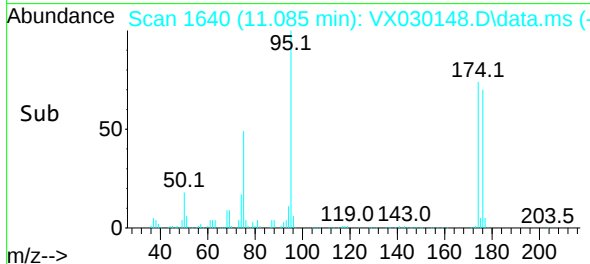
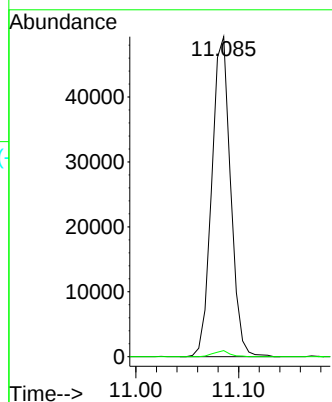
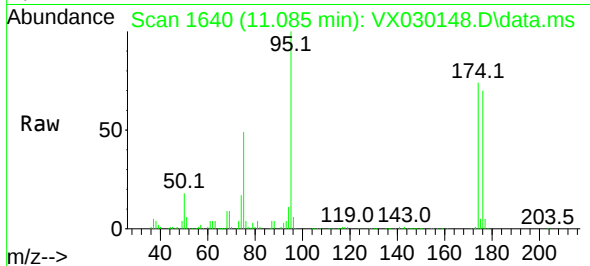




#76
1,2,3-Trichloropropane
Concen: 22.364 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030148.D
Acq: 20 Jul 2022 21:30

Instrument :
MSVOA_X
ClientSampleId :
TANK-P

Tgt Ion: 75 Resp: 62571
Ion Ratio Lower Upper
75 100
77 1.6 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.541 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX030148.D
Acq: 20 Jul 2022 21:30

Tgt Ion: 75 Resp: 62571
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

