

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082722\
 Data File : VX030880.D
 Acq On : 27 Aug 2022 19:01
 Operator : JC/MD
 Sample : N4385-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 265751-2

Quant Time: Aug 29 01:11:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 02:03:28 2022
 Response via : Initial Calibration

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

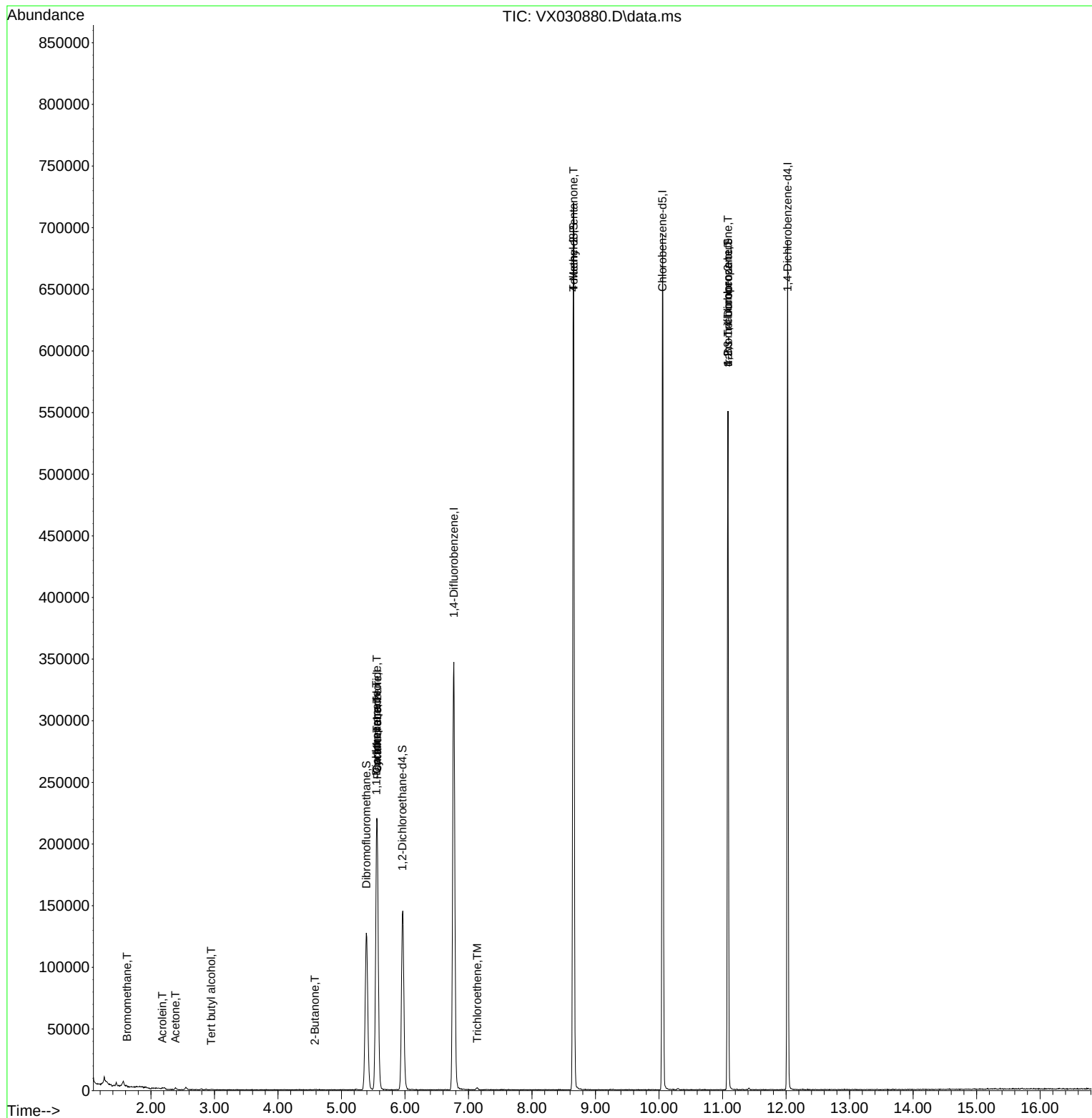
Internal Standards						
1) Pentafluorobenzene	5.562	168	205165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	355485	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	314705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	134696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	140408	58.181	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.360%			
35) Dibromofluoromethane	5.391	113	112407	51.451	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.900%			
50) Toluene-d8	8.653	98	420318	55.210	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.420%			
62) 4-Bromofluorobenzene	11.085	95	141704	49.995	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.980%			
Target Compounds						Qvalue
3) Chloromethane	1.294	50	323	Below Cal		92
4) Vinyl Chloride	1.557	62	23	Below Cal	#	5
5) Bromomethane	1.624	94	332	0.347	ug/l #	75
6) Chloroethane	1.703	64	355	Below Cal	#	41
11) Tert butyl alcohol	2.947	59	168	0.321	ug/l #	74
13) Acrolein	2.178	56	29	10.112	ug/l	94
16) Acetone	2.386	43	1804	1.618	ug/l	92
17) Carbon Disulfide	2.520	76	155	Below Cal	#	74
20) Methylene Chloride	2.800	84	432	Below Cal		87
25) 2-Butanone	4.580	43	517	0.288	ug/l #	48
31) Cyclohexane	5.556	56	4442	1.439	ug/l #	10
36) 1,1-Dichloropropene	5.550	75	16673	5.604	ug/l #	49
38) Carbon Tetrachloride	5.556	117	21216	6.761	ug/l #	19
44) Trichloroethene	7.135	130	685	0.266	ug/l	63
51) 4-Methyl-2-Pentanone	8.653	43	1846	0.516	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	70638	23.937	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	70638	77.231	ug/l #	13

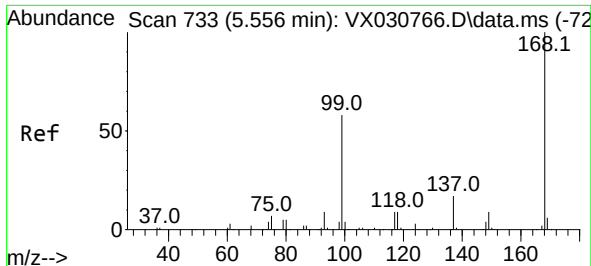
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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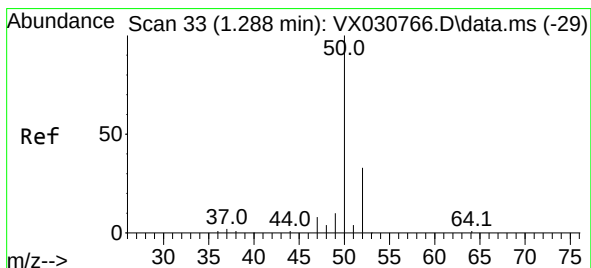
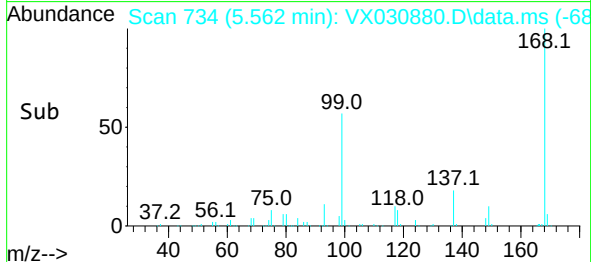
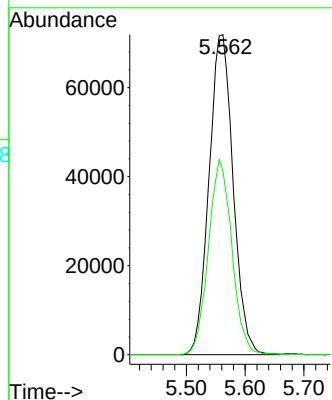
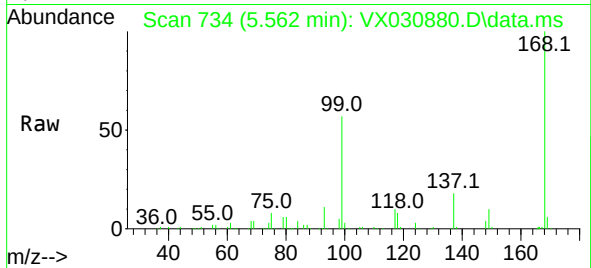




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030880.D
Acq: 27 Aug 2022 19:01

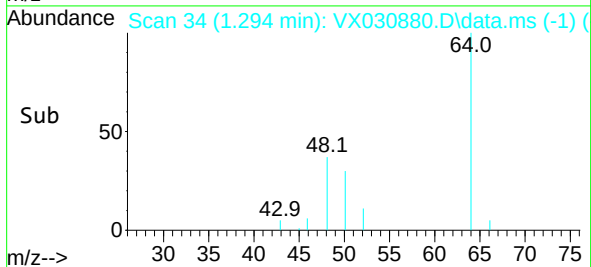
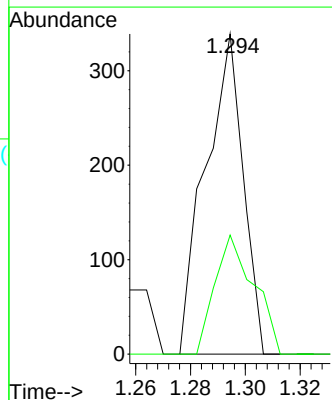
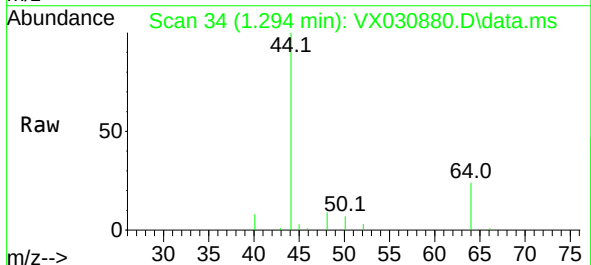
Instrument :
MSVOA_X
ClientSampleId :
265751-2

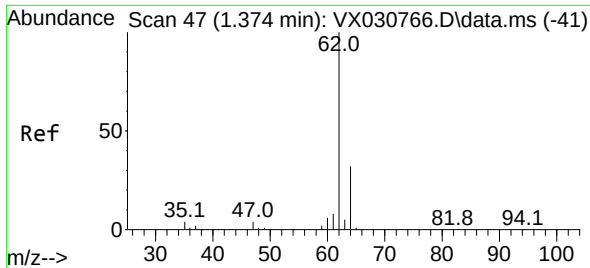
Tgt Ion:168 Resp: 205165
Ion Ratio Lower Upper
168 100
99 57.3 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX030880.D
Acq: 27 Aug 2022 19:01

Tgt Ion: 50 Resp: 323
Ion Ratio Lower Upper
50 100
52 37.2 26.3 39.5

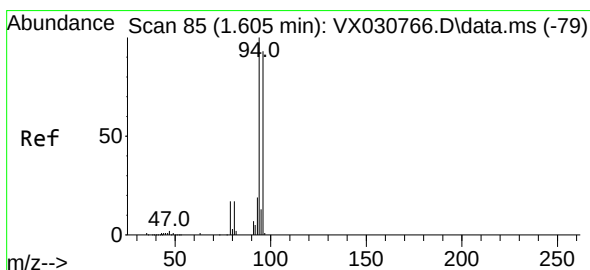
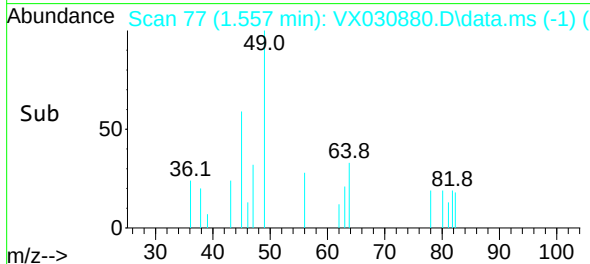
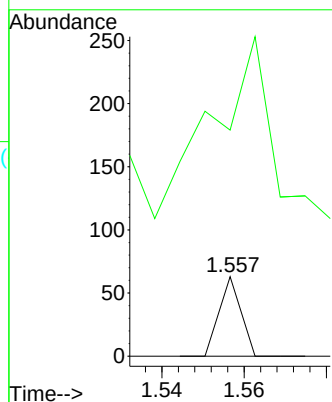
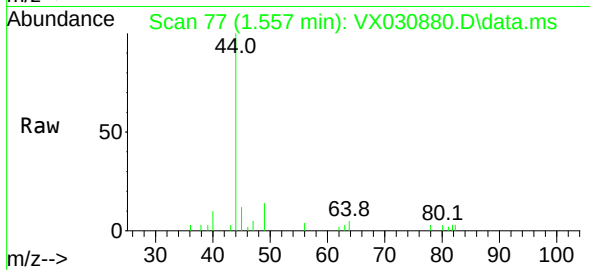




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 1.557 min Scan# 71
 Delta R.T. 0.183 min
 Lab File: VX030880.D
 Acq: 27 Aug 2022 19:01

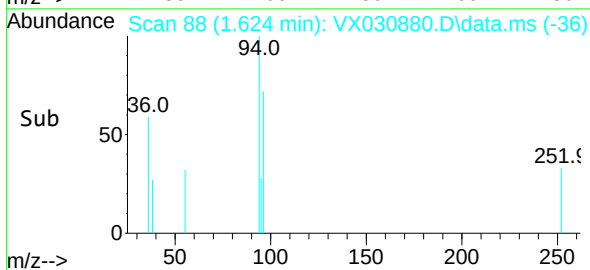
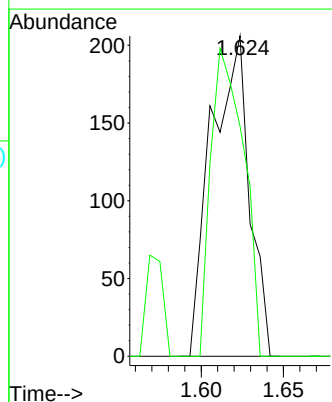
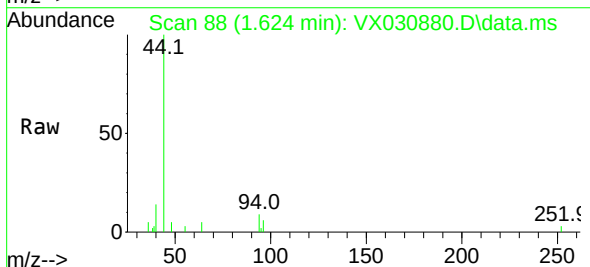
Instrument :
 MSVOA_X
 ClientSampleId :
 265751-2

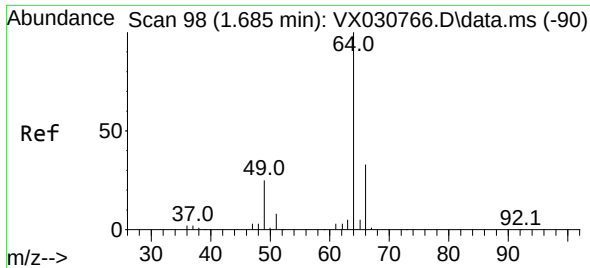
Tgt Ion: 62 Resp: 23
 Ion Ratio Lower Upper
 62 100
 64 84.1 25.2 37.8#



#5
 Bromomethane
 Concen: 0.347 ug/l
 RT: 1.624 min Scan# 88
 Delta R.T. 0.018 min
 Lab File: VX030880.D
 Acq: 27 Aug 2022 19:01

Tgt Ion: 94 Resp: 332
 Ion Ratio Lower Upper
 94 100
 96 71.8 76.9 115.3#

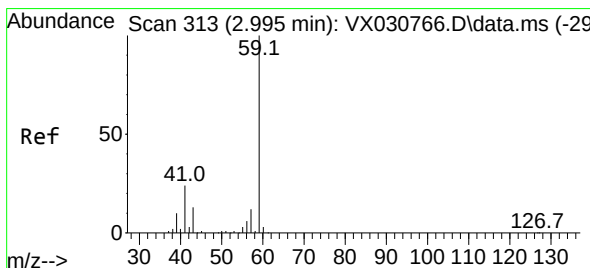
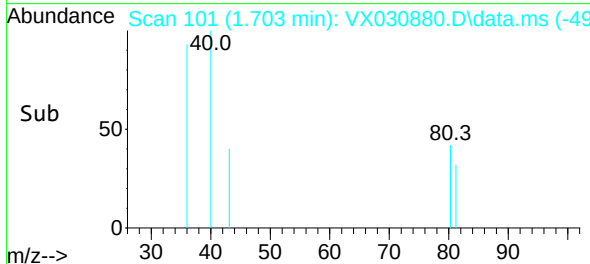
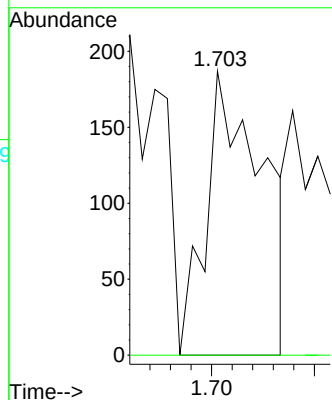
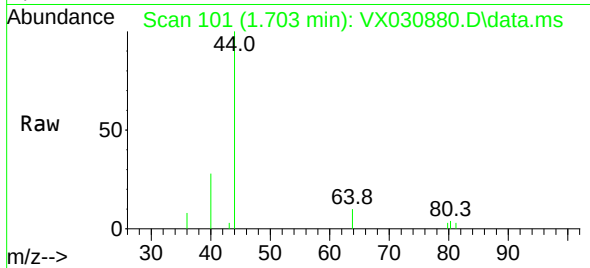




#6
Chloroethane
Concen: Below Cal
RT: 1.703 min Scan# 101
Delta R.T. 0.018 min
Lab File: VX030880.D
Acq: 27 Aug 2022 19:01

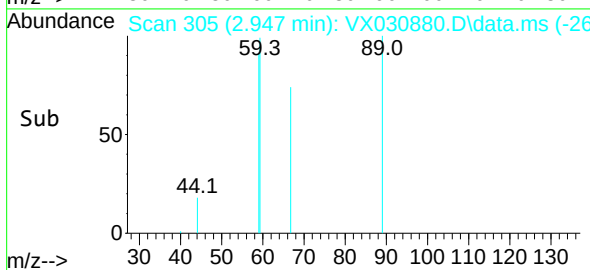
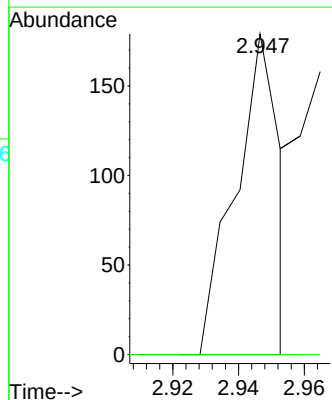
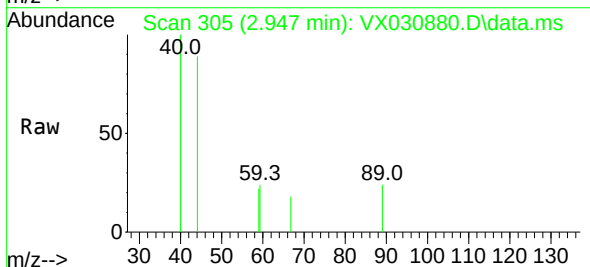
Instrument :
MSVOA_X
ClientSampleId :
265751-2

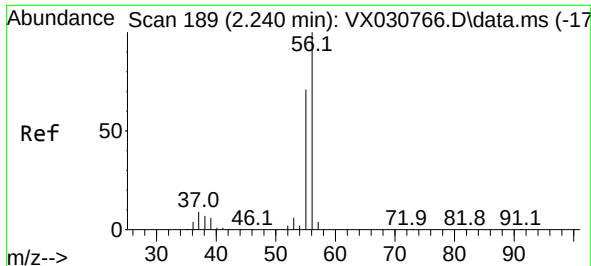
Tgt Ion: 64 Resp: 355
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#11
Tert butyl alcohol
Concen: 0.321 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX030880.D
Acq: 27 Aug 2022 19:01

Tgt Ion: 59 Resp: 168
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

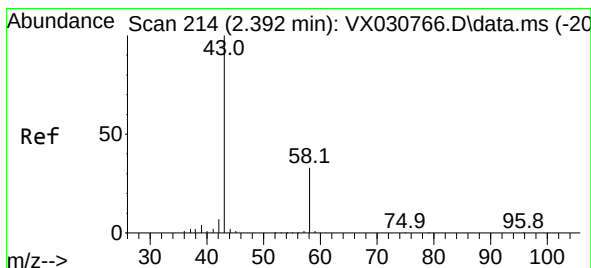
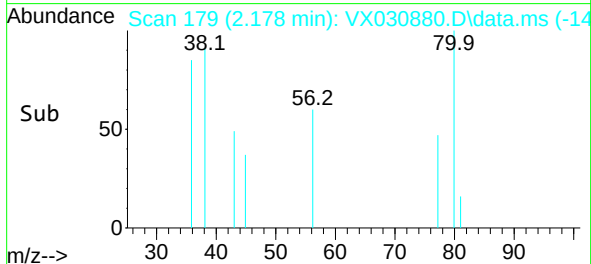
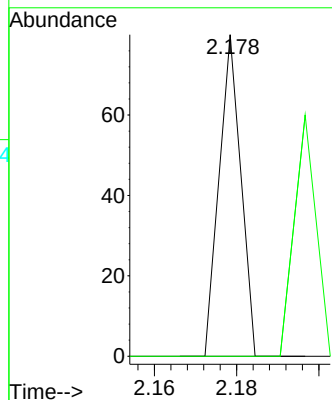
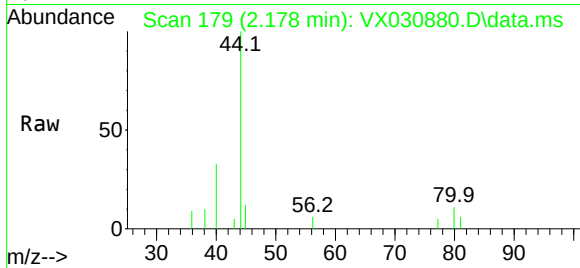




#13
Acrolein
Concen: 10.112 ug/l
RT: 2.178 min Scan# 11
Delta R.T. -0.062 min
Lab File: VX030880.D
Acq: 27 Aug 2022 19:01

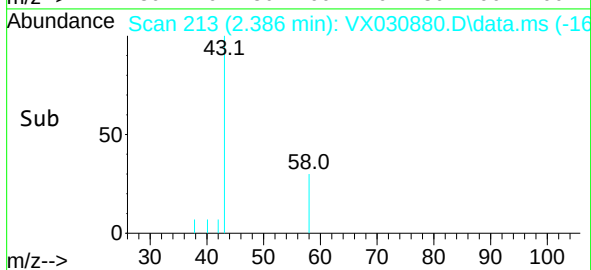
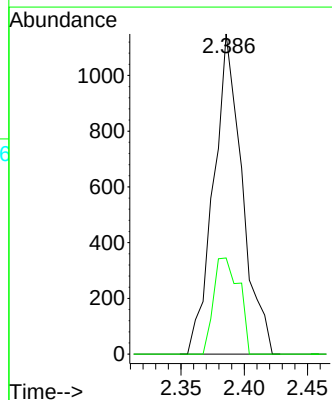
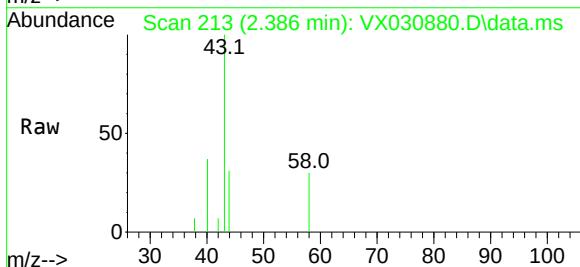
Instrument :
MSVOA_X
ClientSampleId :
265751-2

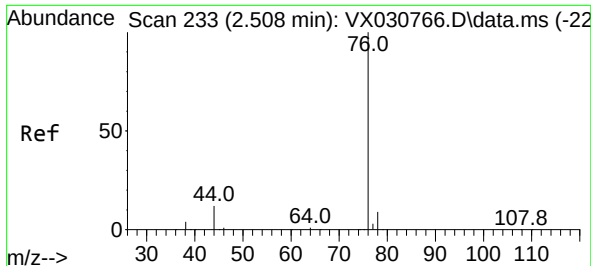
Tgt Ion: 56 Resp: 29
Ion Ratio Lower Upper
56 100
55 75.9 56.6 84.8



#16
Acetone
Concen: 1.618 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX030880.D
Acq: 27 Aug 2022 19:01

Tgt Ion: 43 Resp: 1804
Ion Ratio Lower Upper
43 100
58 30.0 27.7 41.5

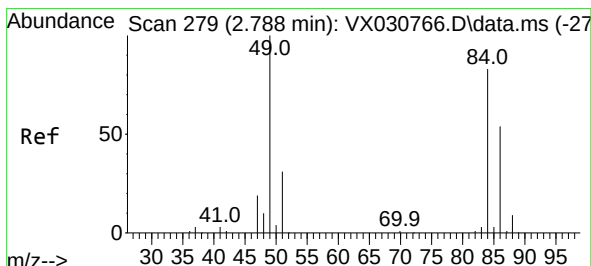
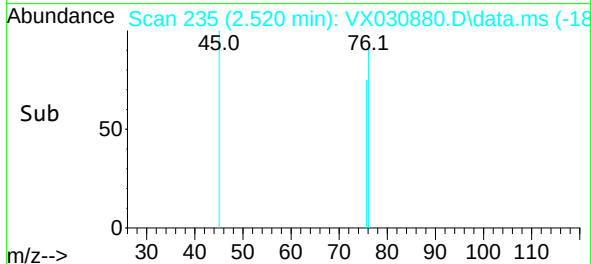
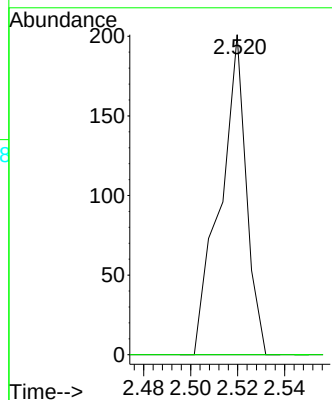
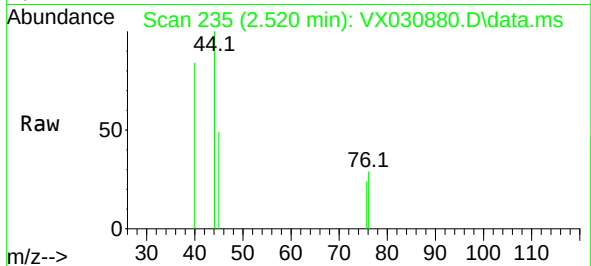




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.520 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX030880.D
Acq: 27 Aug 2022 19:01

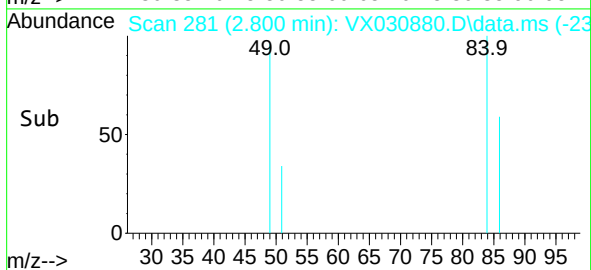
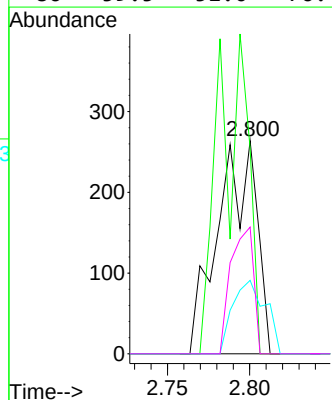
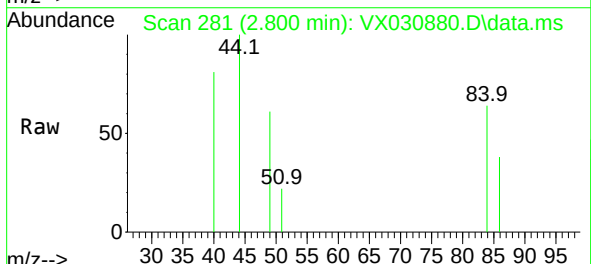
Instrument :
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ClientSampleId :
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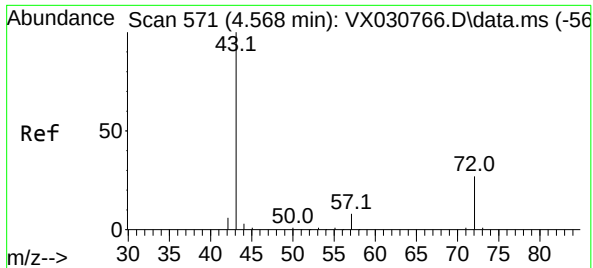
Tgt Ion: 76 Resp: 155
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX030880.D
Acq: 27 Aug 2022 19:01

Tgt Ion: 84 Resp: 432
Ion Ratio Lower Upper
84 100
49 96.2 93.8 140.6
51 34.5 29.4 44.0
86 59.5 51.0 76.4

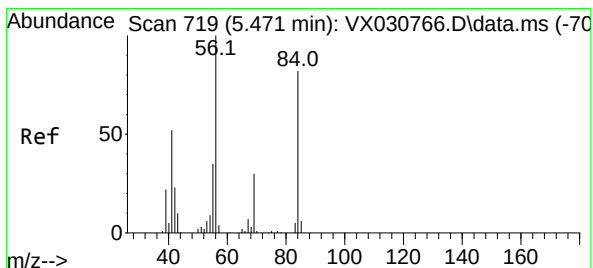
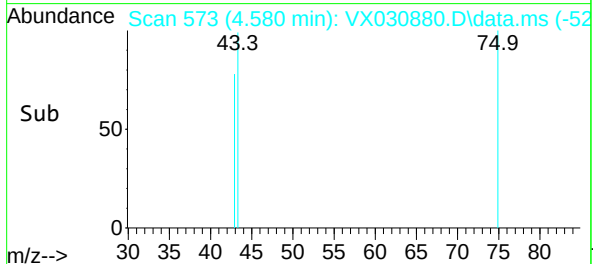
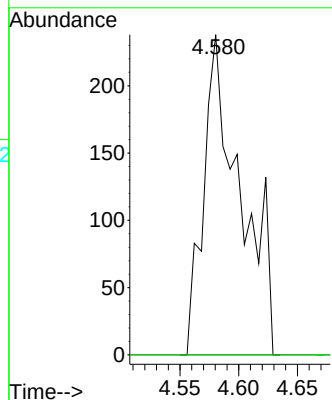
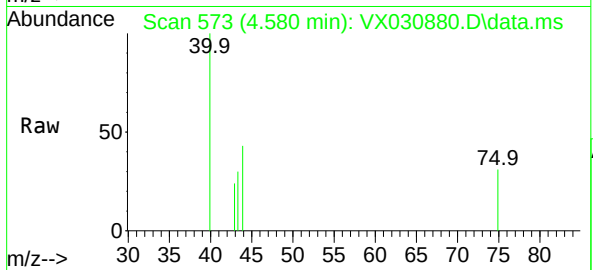




#25
2-Butanone
Concen: 0.288 ug/l
RT: 4.580 min Scan# 517
Delta R.T. 0.012 min
Lab File: VX030880.D
Acq: 27 Aug 2022 19:01

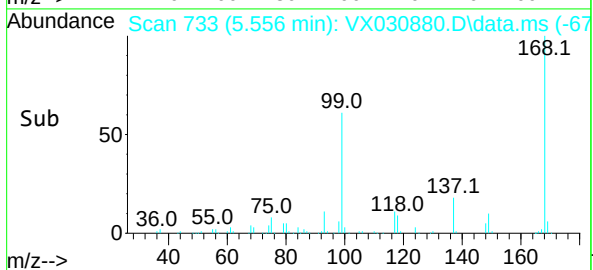
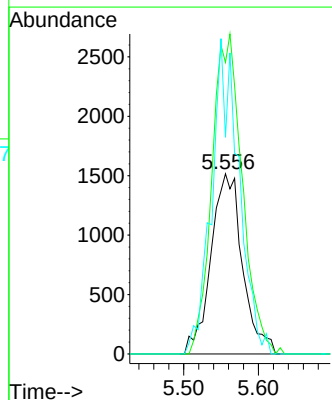
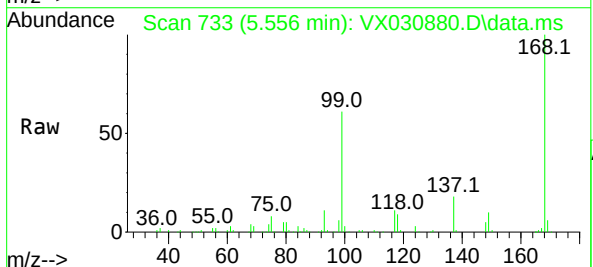
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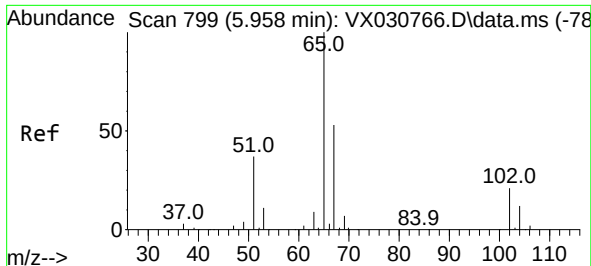
Tgt Ion: 43 Resp: 517
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#31
Cyclohexane
Concen: 1.439 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX030880.D
Acq: 27 Aug 2022 19:01

Tgt Ion: 56 Resp: 4442
Ion Ratio Lower Upper
56 100
69 161.8 25.4 38.0#
84 120.3 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 58.181 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX030880.D

Acq: 27 Aug 2022 19:01

Instrument :

MSVOA_X

ClientSampleId :

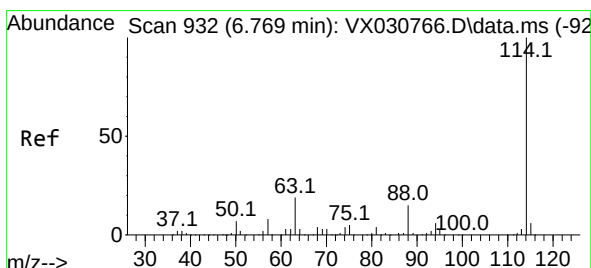
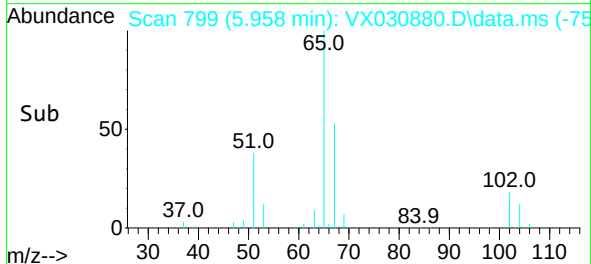
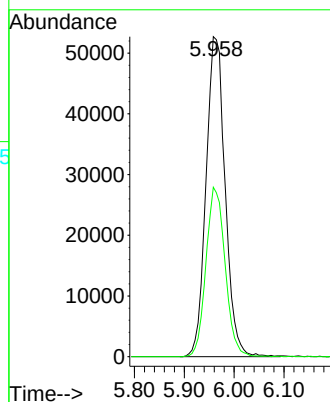
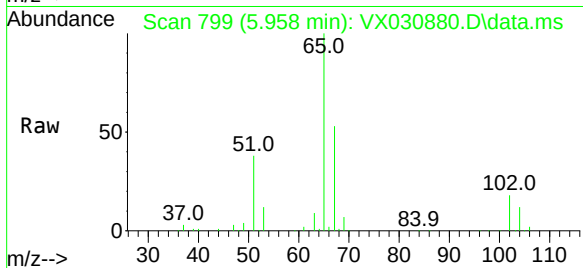
265751-2

Tgt Ion: 65 Resp: 140408

Ion Ratio Lower Upper

65 100

67 53.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX030880.D

Acq: 27 Aug 2022 19:01

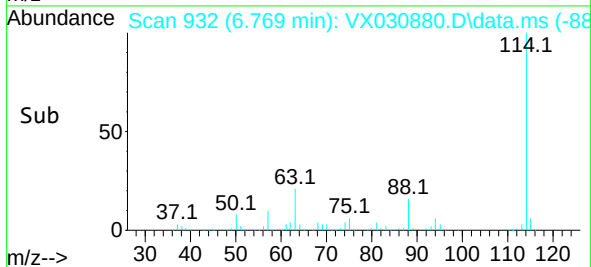
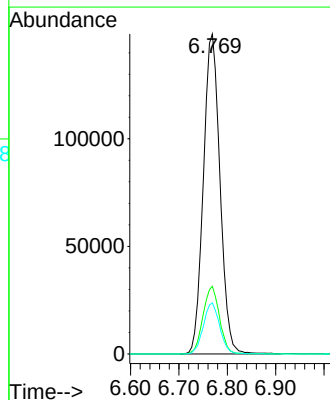
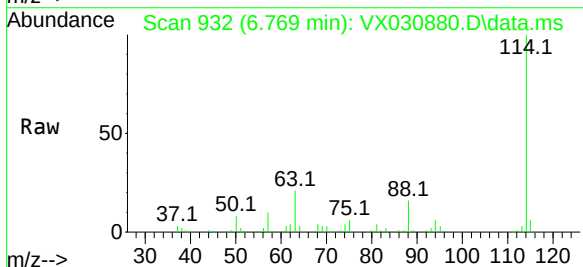
Tgt Ion: 114 Resp: 355485

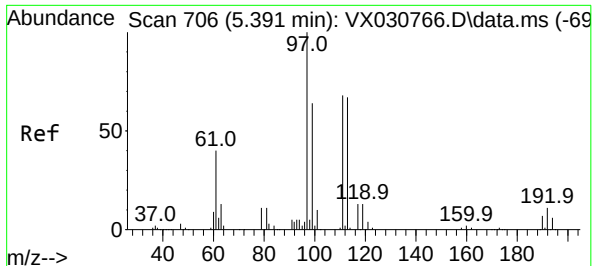
Ion Ratio Lower Upper

114 100

63 21.1 0.0 38.4

88 15.9 0.0 31.8

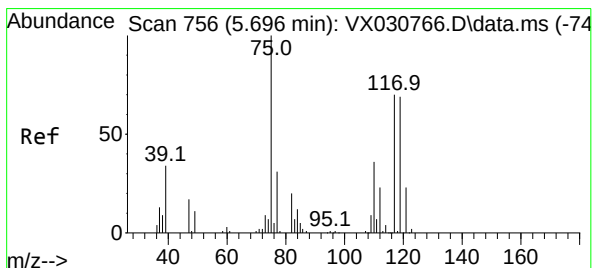
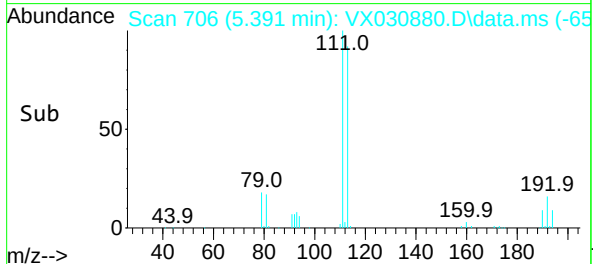
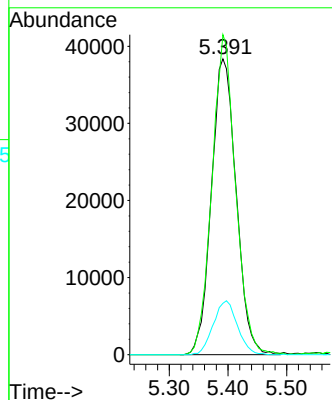
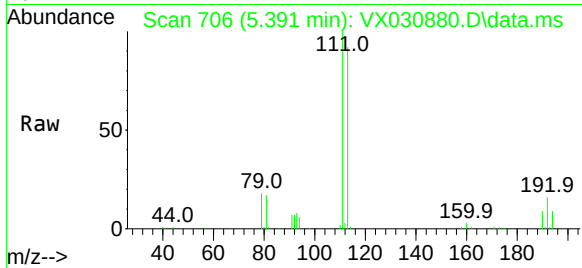




#35
Dibromofluoromethane
Concen: 51.451 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030880.D
Acq: 27 Aug 2022 19:01

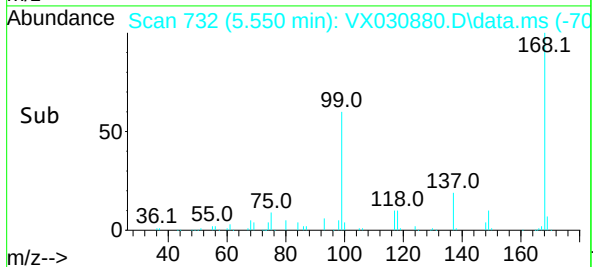
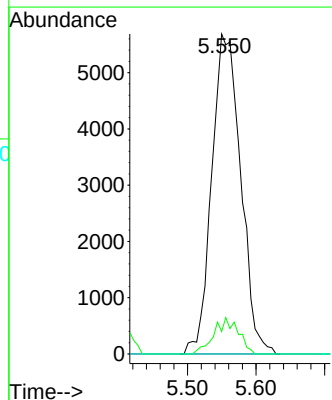
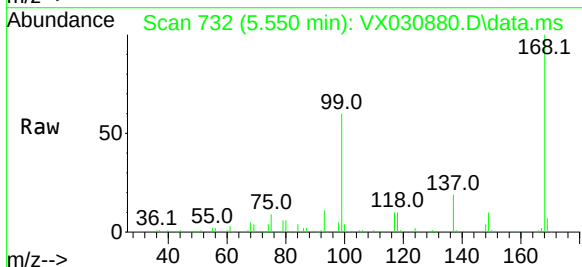
Instrument :
MSVOA_X
ClientSampleId :
265751-2

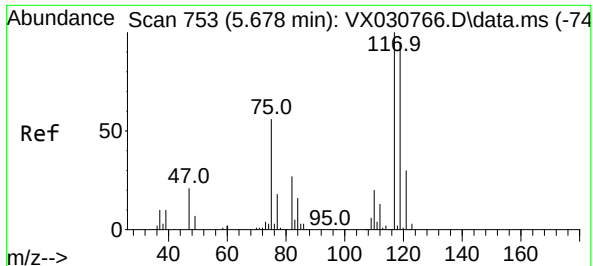
Tgt Ion:113 Resp: 112407
Ion Ratio Lower Upper
113 100
111 103.1 83.2 124.8
192 17.7 14.8 22.2



#36
1,1-Dichloropropene
Concen: 5.604 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX030880.D
Acq: 27 Aug 2022 19:01

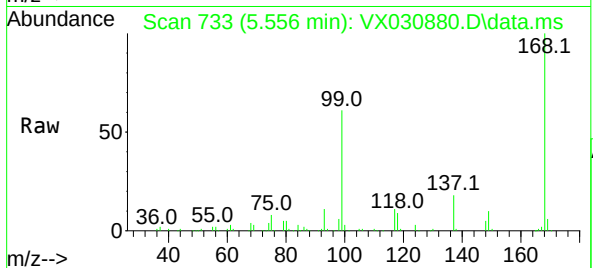
Tgt Ion: 75 Resp: 16673
Ion Ratio Lower Upper
75 100
110 9.6 19.3 57.9#
77 0.0 24.4 36.6#



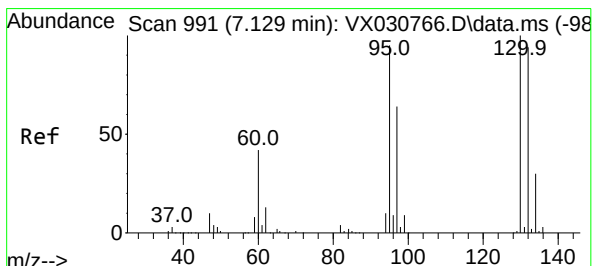
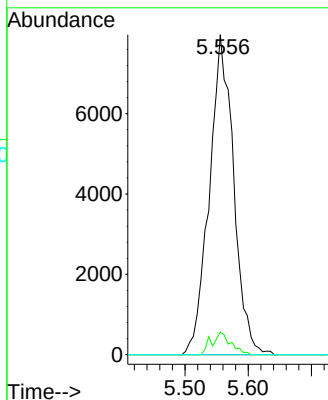
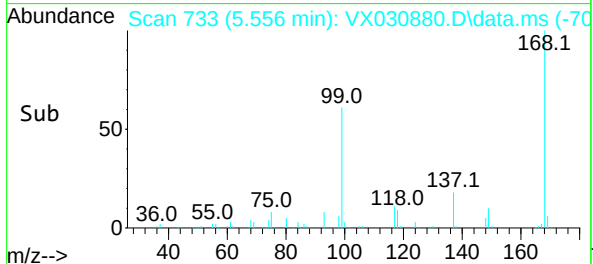


#38
Carbon Tetrachloride
Concen: 6.761 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX030880.D
Acq: 27 Aug 2022 19:01

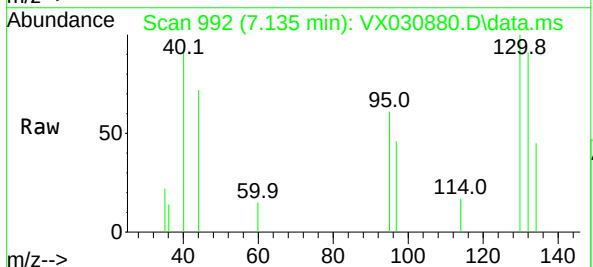
Instrument :
MSVOA_X
ClientSampleId :
265751-2



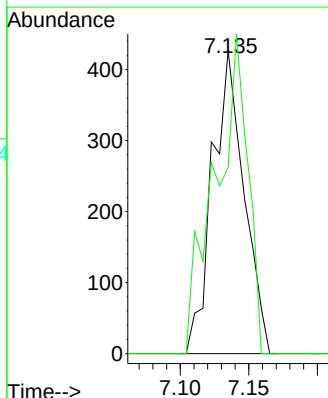
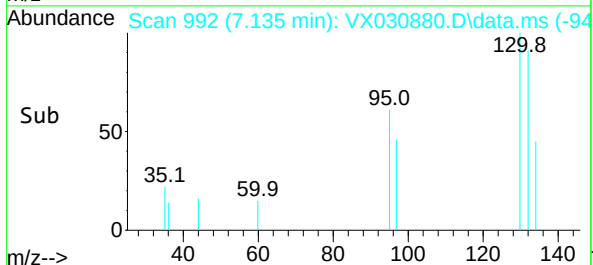
Tgt Ion:117 Resp: 21216
Ion Ratio Lower Upper
117 100
119 7.1 74.1 111.1#
121 0.0 25.8 38.8#

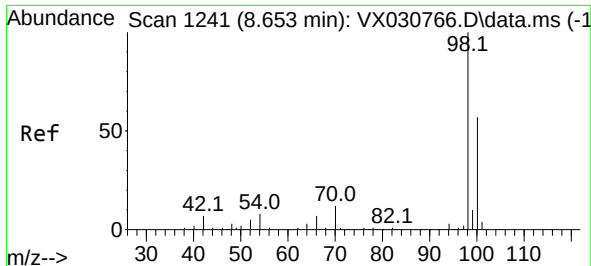


#44
Trichloroethene
Concen: 0.266 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX030880.D
Acq: 27 Aug 2022 19:01



Tgt Ion:130 Resp: 685
Ion Ratio Lower Upper
130 100
95 61.4 0.0 194.8

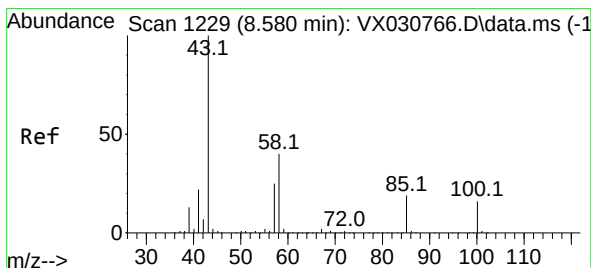
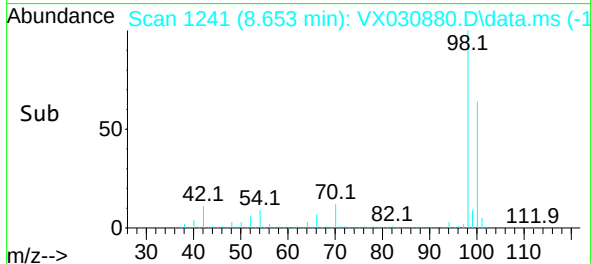
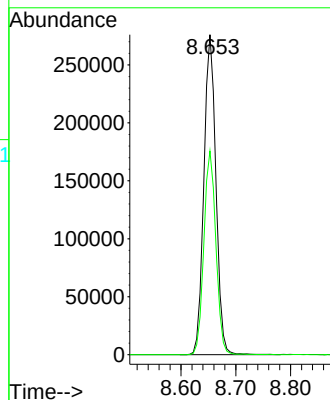
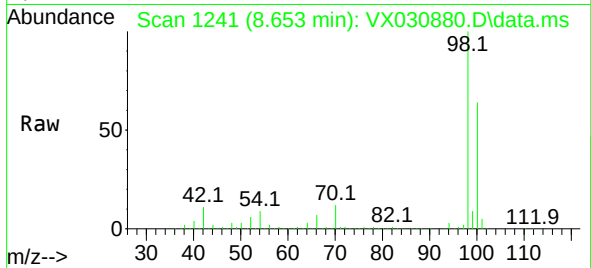




#50
Toluene-d8
Concen: 55.210 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX030880.D
Acq: 27 Aug 2022 19:01

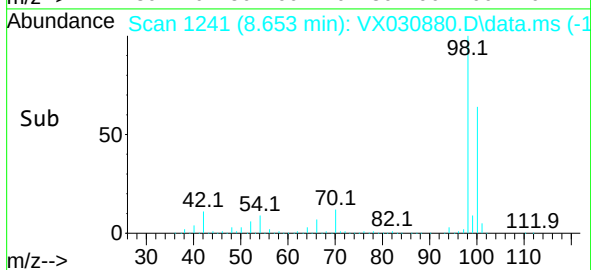
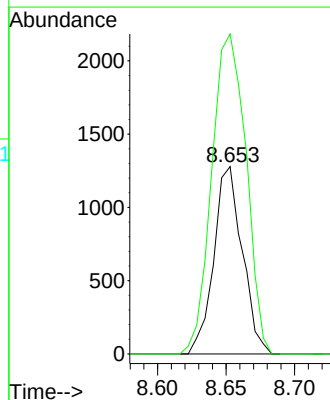
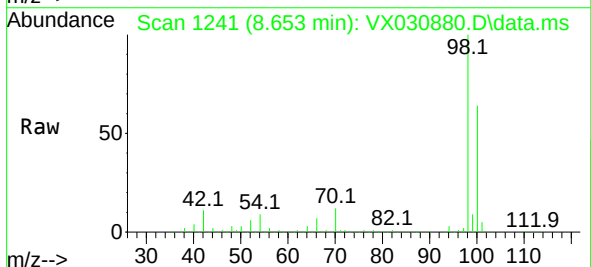
Instrument :
MSVOA_X
ClientSampleId :
265751-2

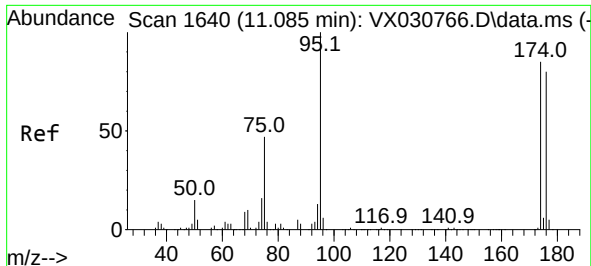
Tgt Ion: 98 Resp: 420318
Ion Ratio Lower Upper
98 100
100 63.6 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.516 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX030880.D
Acq: 27 Aug 2022 19:01

Tgt Ion: 43 Resp: 1846
Ion Ratio Lower Upper
43 100
58 205.8 31.4 47.2#

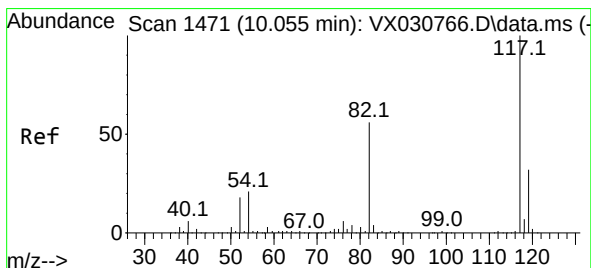
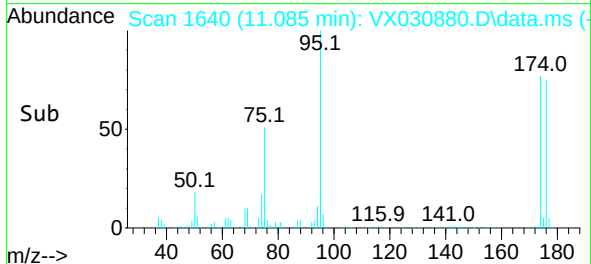
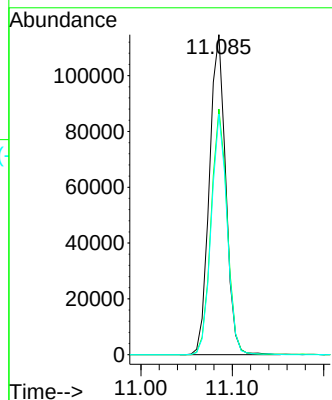
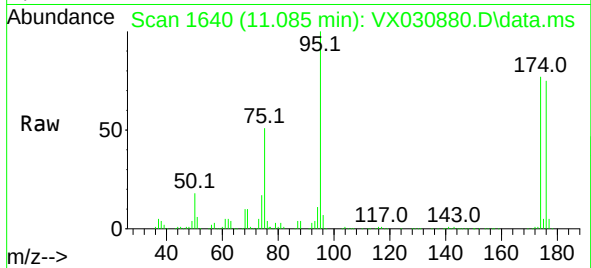




#62
4-Bromofluorobenzene
Concen: 49.995 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030880.D
Acq: 27 Aug 2022 19:01

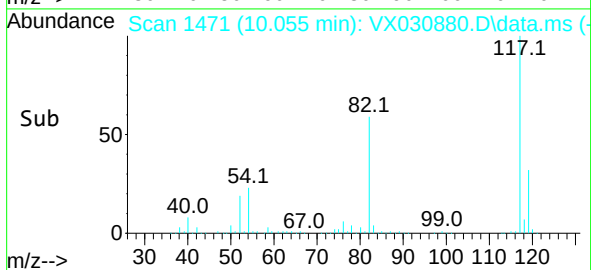
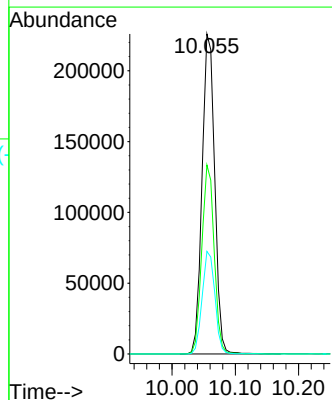
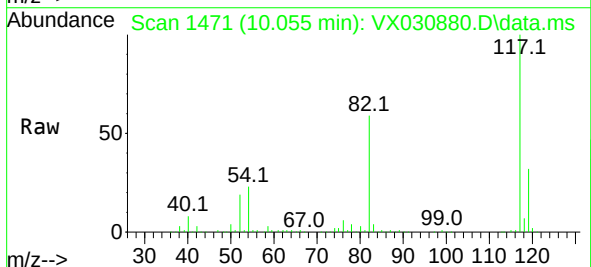
Instrument :
MSVOA_X
ClientSampleId :
265751-2

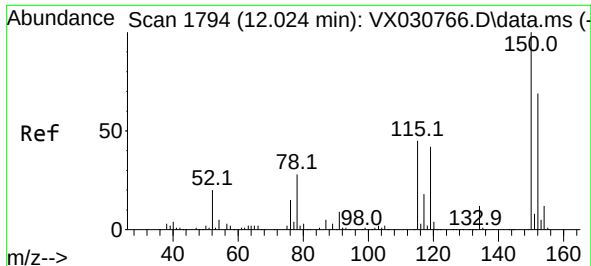
Tgt Ion: 95 Resp: 141704
Ion Ratio Lower Upper
95 100
174 75.7 0.0 149.0
176 73.0 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030880.D
Acq: 27 Aug 2022 19:01

Tgt Ion: 117 Resp: 314705
Ion Ratio Lower Upper
117 100
82 59.0 42.7 64.1
119 32.0 25.4 38.2

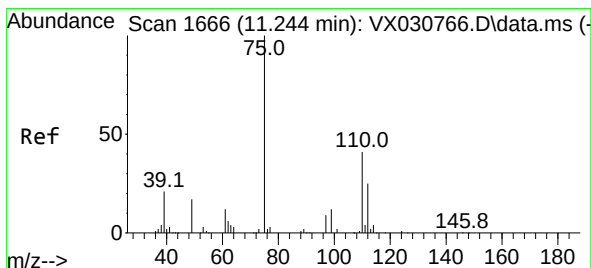
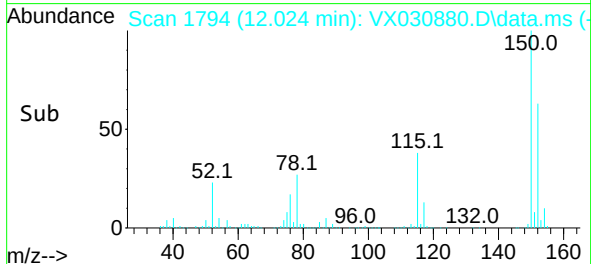
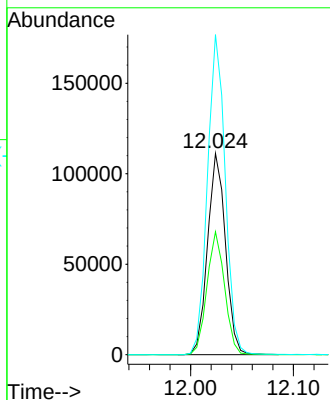
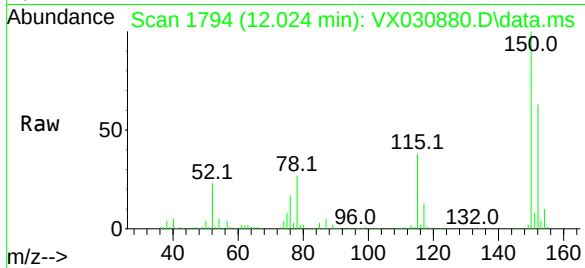




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030880.D
Acq: 27 Aug 2022 19:01

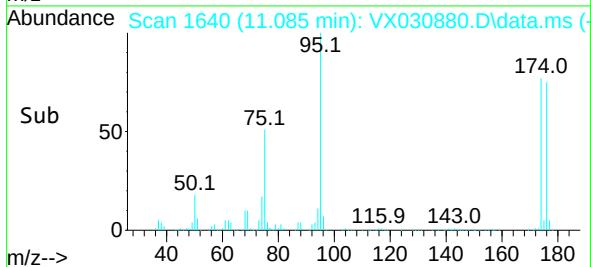
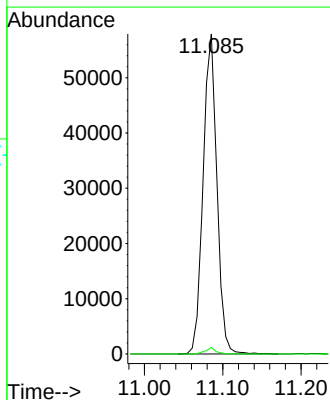
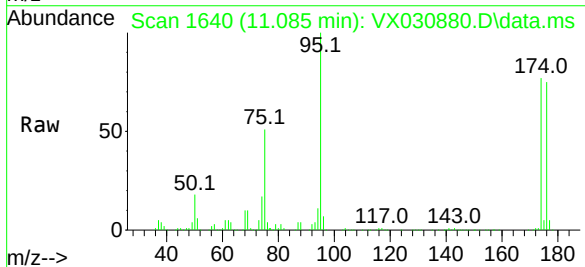
Instrument :
MSVOA_X
ClientSampleId :
265751-2

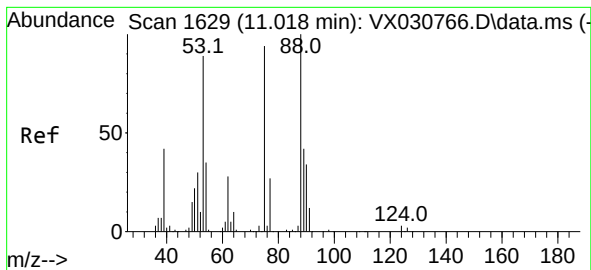
Tgt Ion:152 Resp: 134696
Ion Ratio Lower Upper
152 100
115 60.3 40.5 121.5
150 157.6 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 23.937 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030880.D
Acq: 27 Aug 2022 19:01

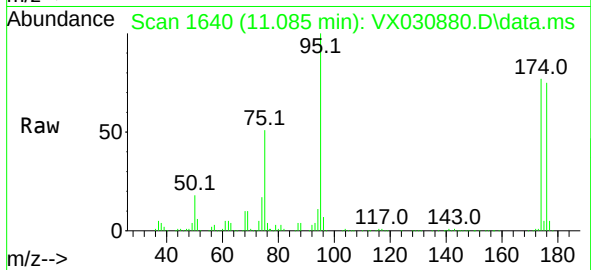
Tgt Ion: 75 Resp: 70638
Ion Ratio Lower Upper
75 100
77 1.5 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.231 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX030880.D
 Acq: 27 Aug 2022 19:01

Instrument :
 MSVOA_X
 ClientSampleId :
 265751-2



Tgt Ion: 75 Resp: 70638
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.1 34.8 52.2#

