

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082722\
 Data File : VX030878.D
 Acq On : 27 Aug 2022 18:14
 Operator : JC/MD
 Sample : N4387-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 251563-2

Quant Time: Aug 29 01:11:10 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)

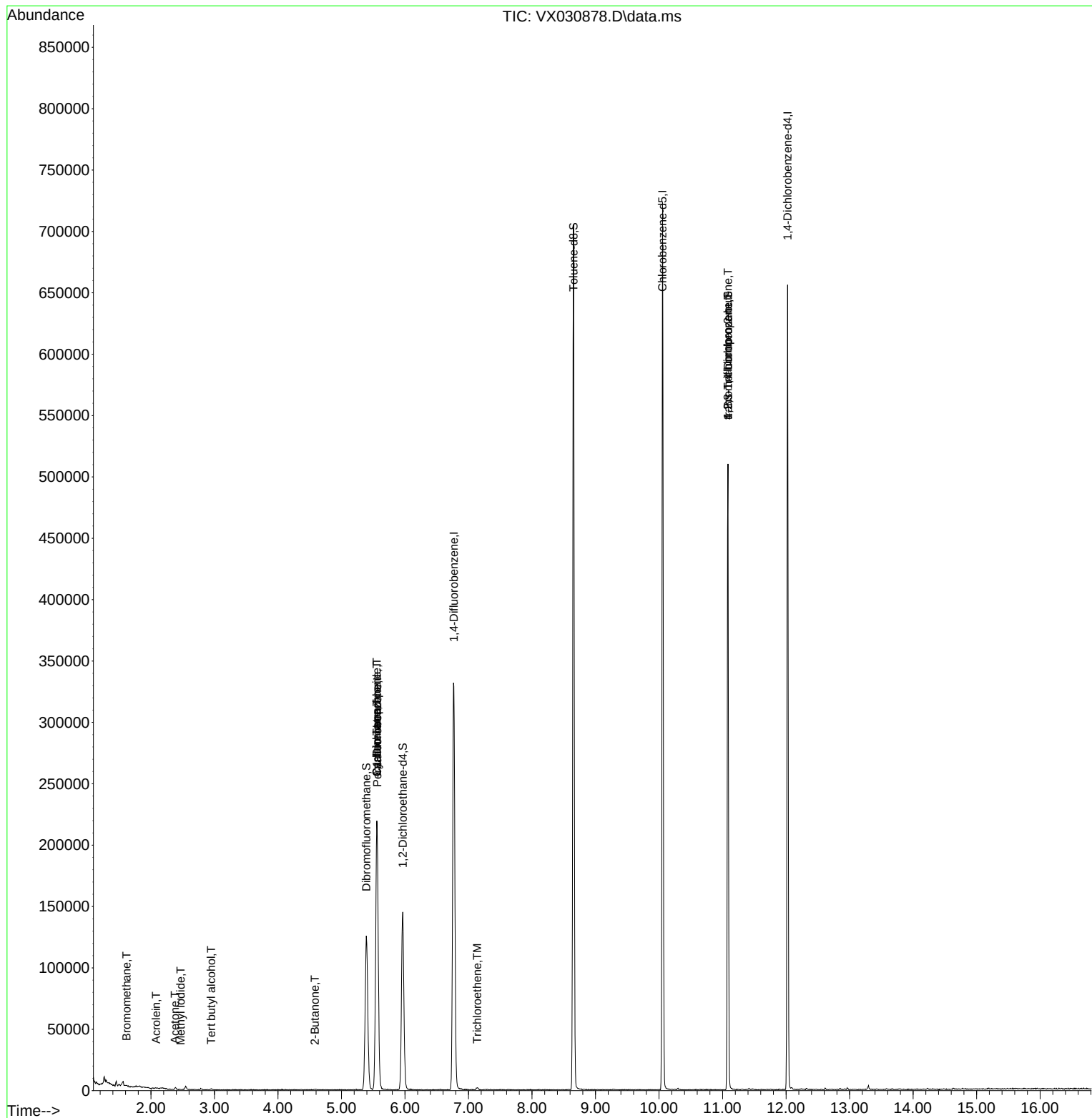
Internal Standards						
1) Pentafluorobenzene	5.562	168	202439	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	344130	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	307804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	128908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	138518	58.171	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.340%	
35) Dibromofluoromethane	5.391	113	110631	52.309	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.620%	
50) Toluene-d8	8.653	98	410340	55.677	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.360%	
62) 4-Bromofluorobenzene	11.085	95	136638	49.798	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.600%	
Target Compounds						Qvalue
3) Chloromethane	1.288	50	435	Below Cal	#	73
5) Bromomethane	1.618	94	384	0.407	ug/l #	70
6) Chloroethane	1.727	64	250	Below Cal	#	41
10) Methyl Iodide	2.465	142	27	4.045	ug/l #	45
11) Tert butyl alcohol	2.947	59	370	0.716	ug/l #	74
13) Acrolein	2.081	56	52	10.161	ug/l #	68
16) Acetone	2.380	43	1803	1.639	ug/l #	80
17) Carbon Disulfide	2.514	76	383	Below Cal	#	74
20) Methylene Chloride	2.788	84	394	Below Cal	#	78
25) 2-Butanone	4.580	43	538	0.304	ug/l #	48
31) Cyclohexane	5.556	56	4280	1.406	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	17078	5.930	ug/l #	48
38) Carbon Tetrachloride	5.556	117	20671	6.804	ug/l #	19
44) Trichloroethene	7.135	130	823	0.331	ug/l	59
76) 1,2,3-Trichloropropane	11.085	75	68757	24.346	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	68757	78.549	ug/l #	13

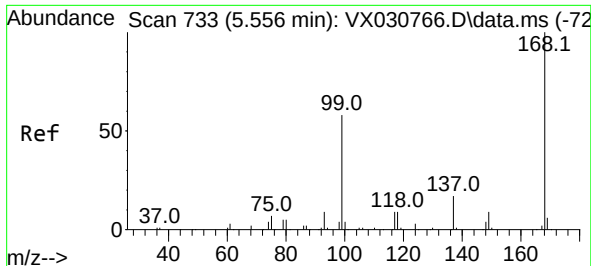
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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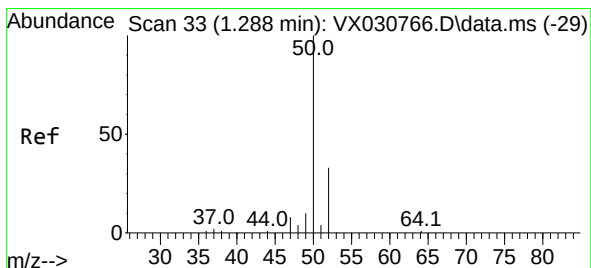
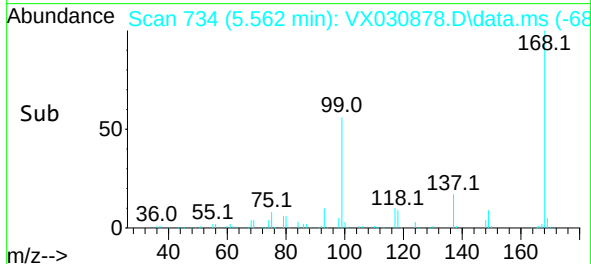
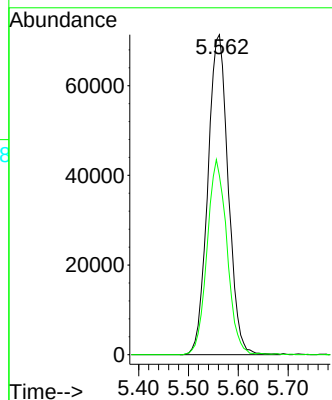
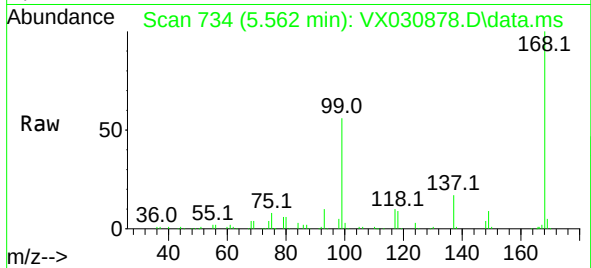




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030878.D
Acq: 27 Aug 2022 18:14

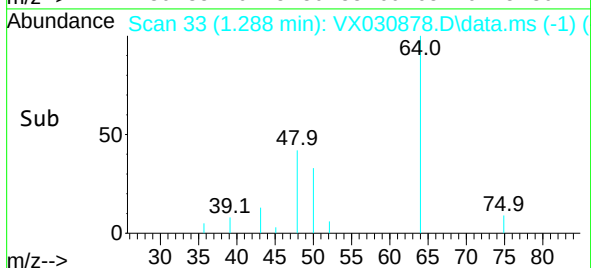
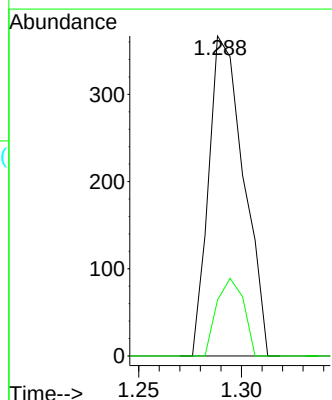
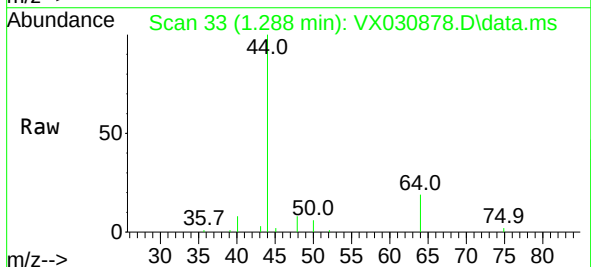
Instrument :
MSVOA_X
ClientSampleId :
251563-2

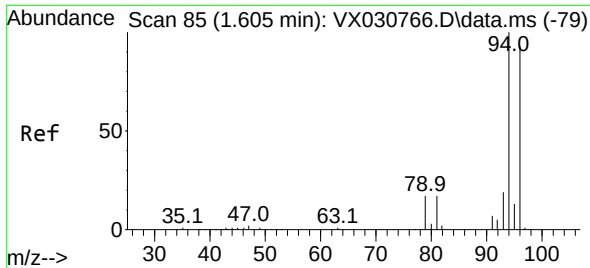
Tgt Ion:168 Resp: 202439
Ion Ratio Lower Upper
168 100
99 55.9 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030878.D
Acq: 27 Aug 2022 18:14

Tgt Ion: 50 Resp: 435
Ion Ratio Lower Upper
50 100
52 17.4 26.3 39.5

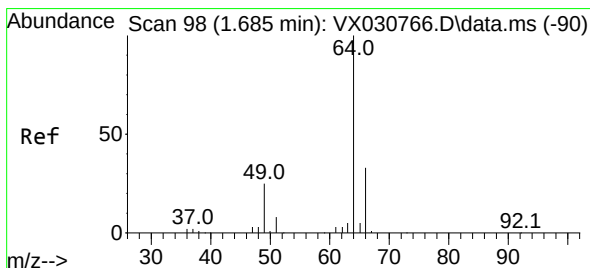
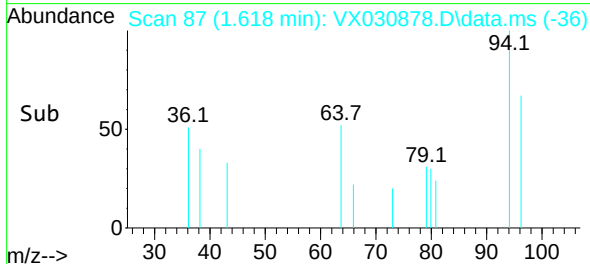
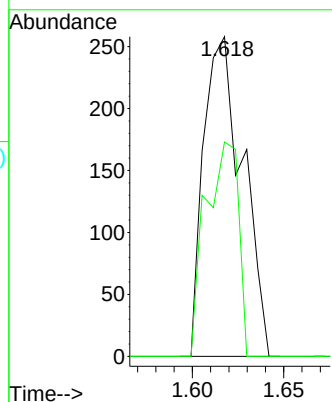
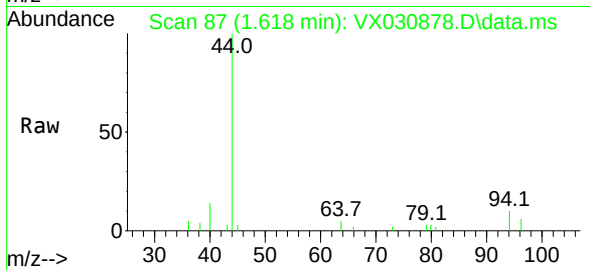




#5
Bromomethane
Concen: 0.407 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX030878.D
Acq: 27 Aug 2022 18:14

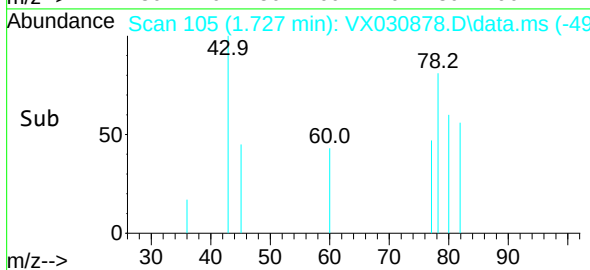
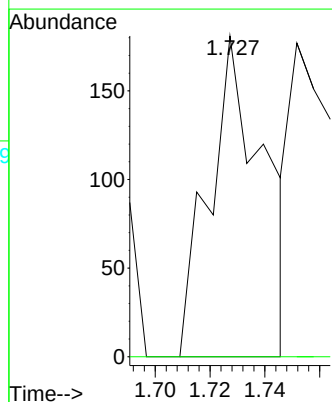
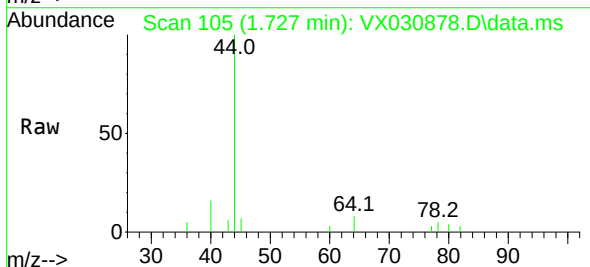
Instrument :
MSVOA_X
ClientSampleId :
251563-2

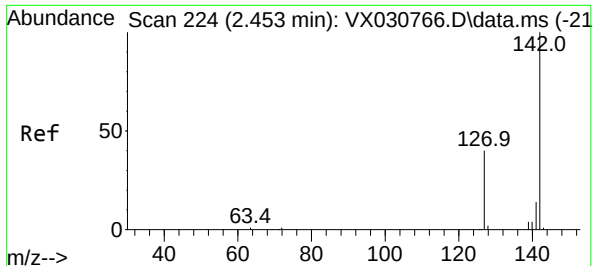
Tgt Ion: 94 Resp: 384
Ion Ratio Lower Upper
94 100
96 67.1 76.9 115.3#



#6
Chloroethane
Concen: Below Cal
RT: 1.727 min Scan# 105
Delta R.T. 0.042 min
Lab File: VX030878.D
Acq: 27 Aug 2022 18:14

Tgt Ion: 64 Resp: 250
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

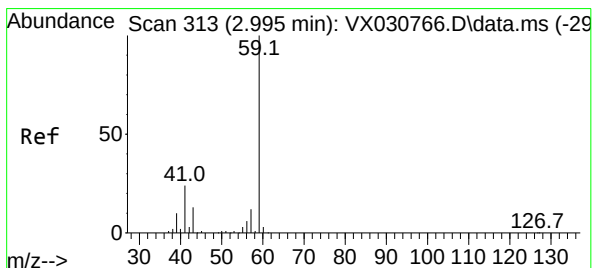
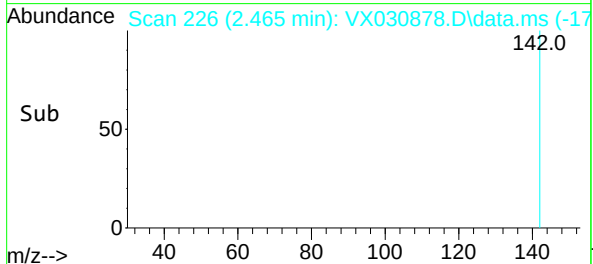
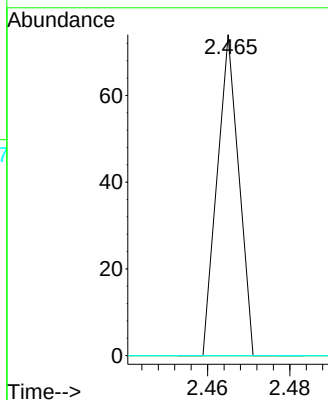
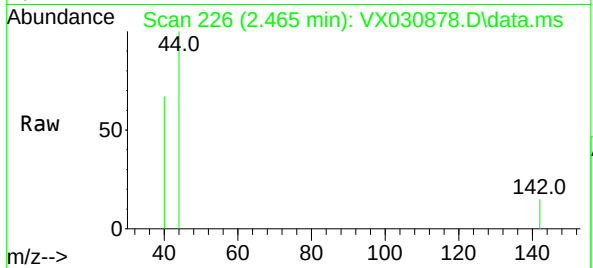




#10
Methyl Iodide
Concen: 4.045 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX030878.D
Acq: 27 Aug 2022 18:14

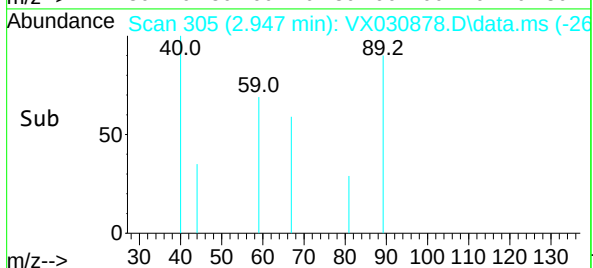
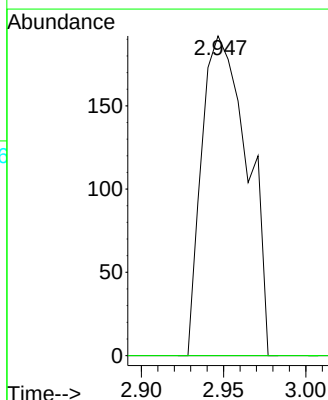
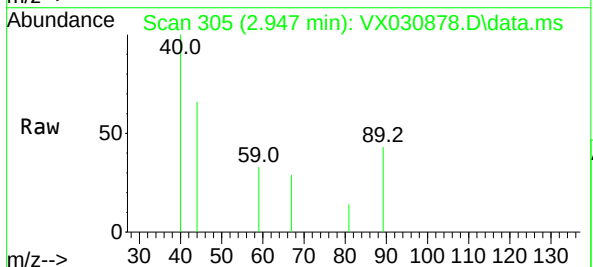
Instrument :
MSVOA_X
ClientSampleId :
251563-2

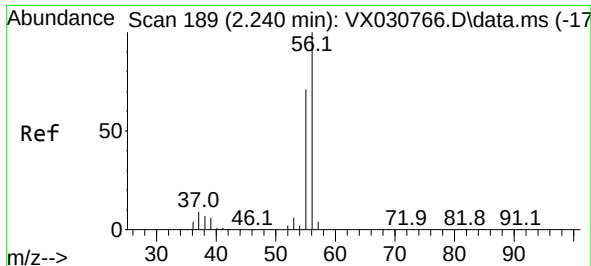
Tgt Ion:142 Resp: 27
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.716 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX030878.D
Acq: 27 Aug 2022 18:14

Tgt Ion: 59 Resp: 370
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

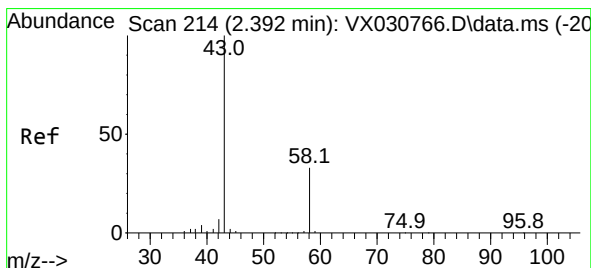
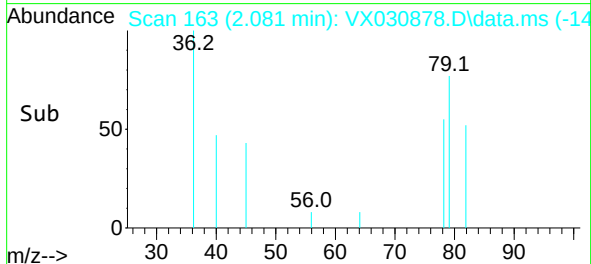
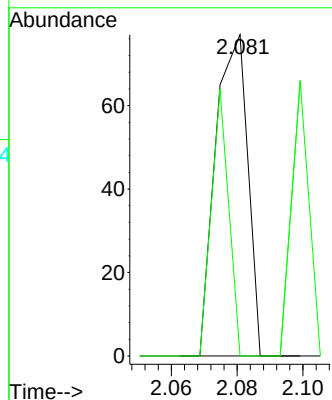
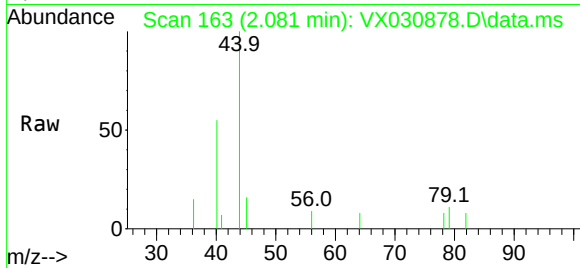




#13
Acrolein
Concen: 10.161 ug/l
RT: 2.081 min Scan# 11
Delta R.T. -0.159 min
Lab File: VX030878.D
Acq: 27 Aug 2022 18:14

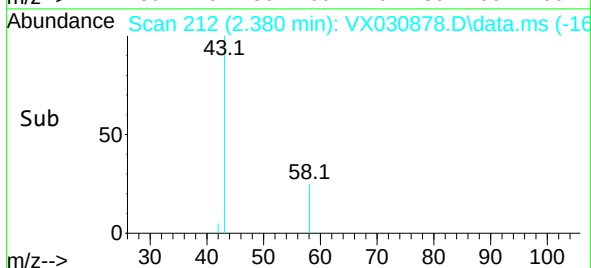
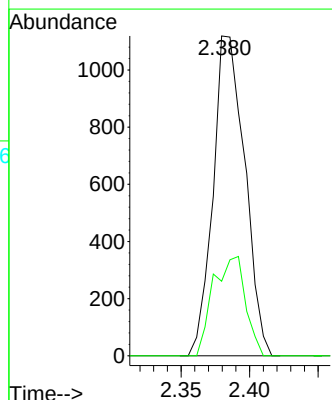
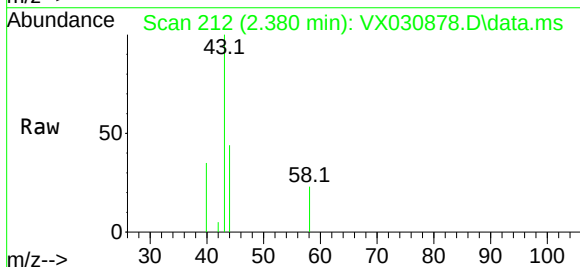
Instrument :
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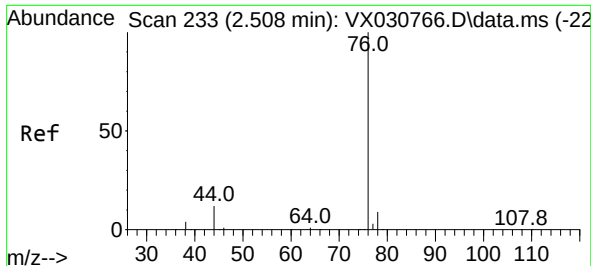
Tgt Ion: 56 Resp: 52
Ion Ratio Lower Upper
56 100
55 44.2 56.6 84.8#



#16
Acetone
Concen: 1.639 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX030878.D
Acq: 27 Aug 2022 18:14

Tgt Ion: 43 Resp: 1803
Ion Ratio Lower Upper
43 100
58 23.3 27.7 41.5#

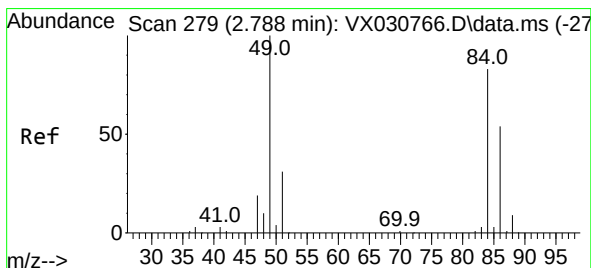
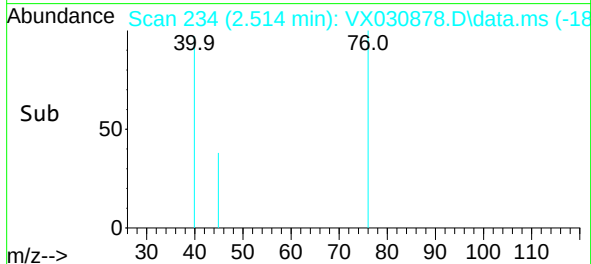
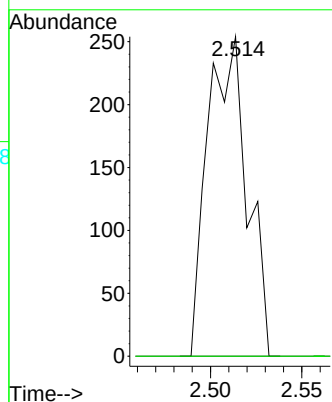
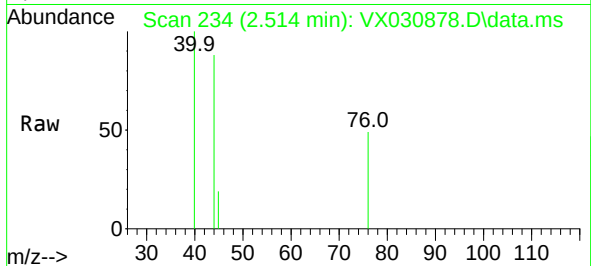




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030878.D
Acq: 27 Aug 2022 18:14

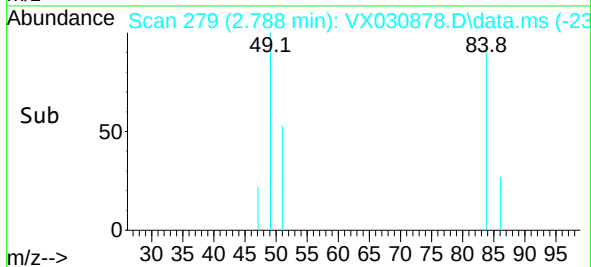
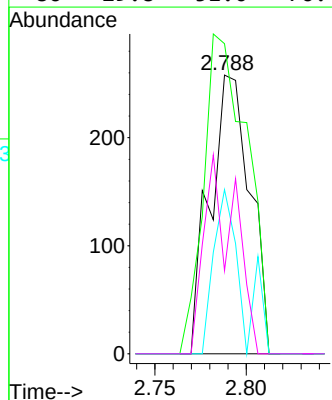
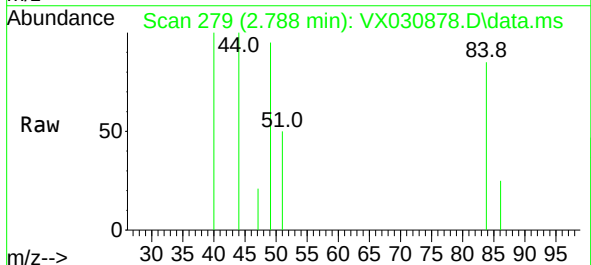
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ClientSampleId :
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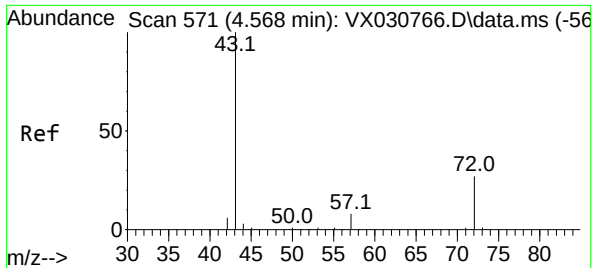
Tgt Ion: 76 Resp: 383
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX030878.D
Acq: 27 Aug 2022 18:14

Tgt Ion: 84 Resp: 394
Ion Ratio Lower Upper
84 100
49 111.2 93.8 140.6
51 58.9 29.4 44.0#
86 29.8 51.0 76.4#

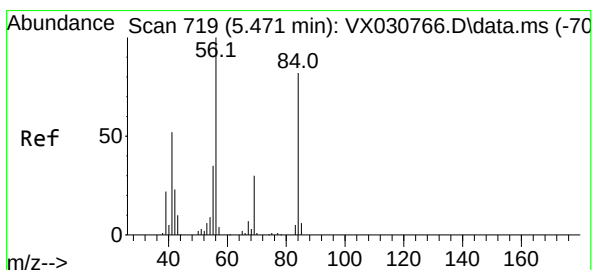
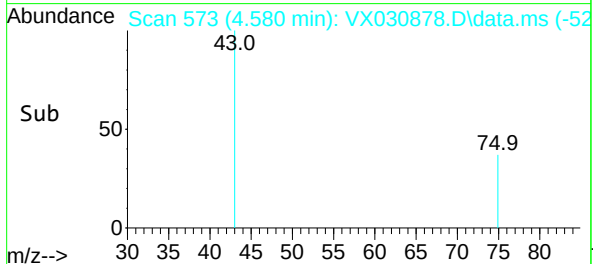
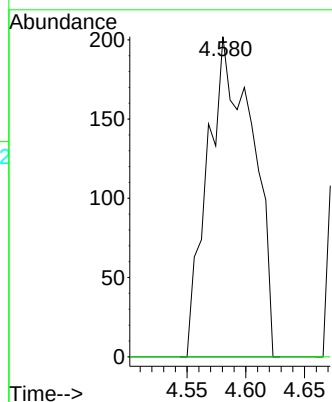
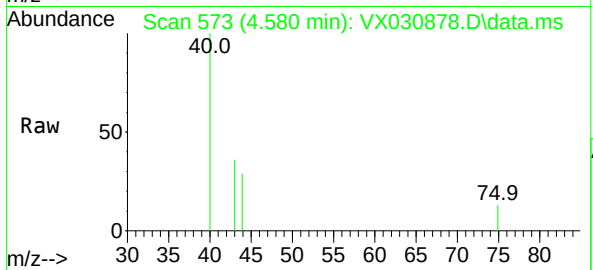




#25
2-Butanone
Concen: 0.304 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX030878.D
Acq: 27 Aug 2022 18:14

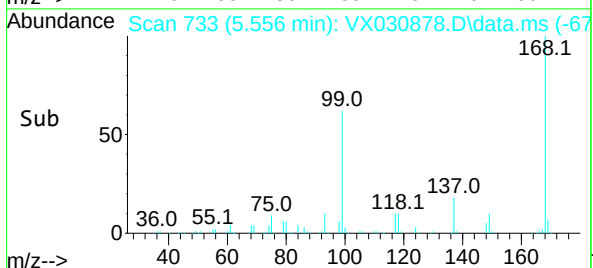
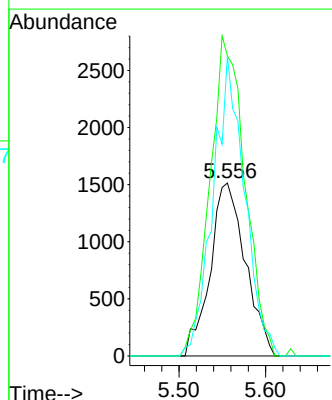
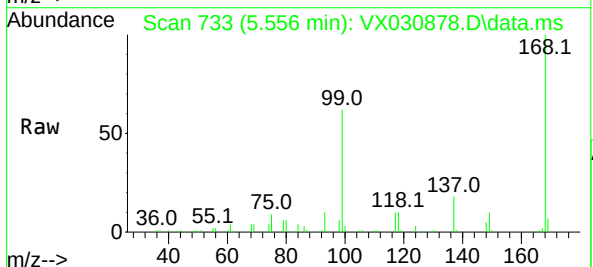
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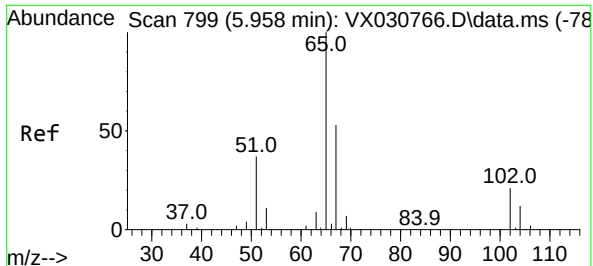
Tgt Ion: 43 Resp: 538
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#31
Cyclohexane
Concen: 1.406 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX030878.D
Acq: 27 Aug 2022 18:14

Tgt Ion: 56 Resp: 4280
Ion Ratio Lower Upper
56 100
69 173.5 25.4 38.0#
84 173.5 68.9 103.3#

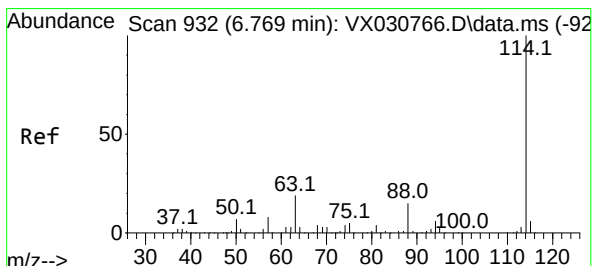
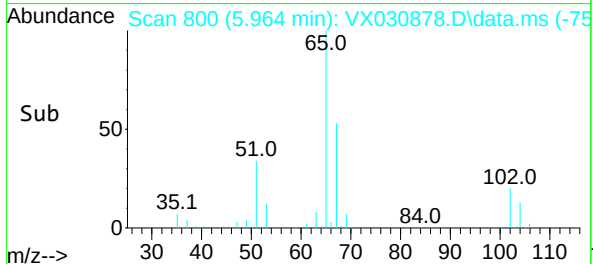
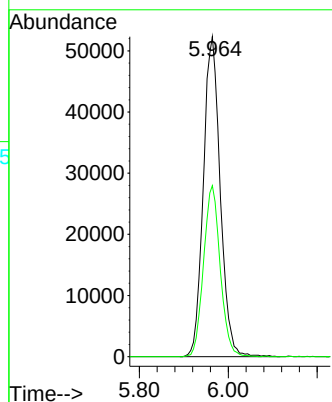
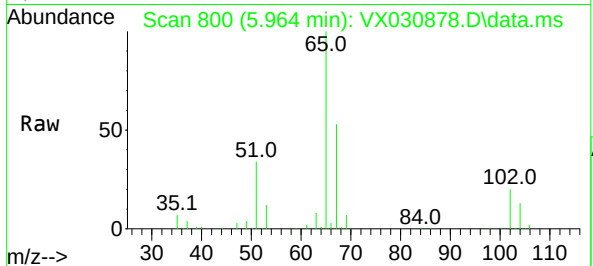




#33
 1,2-Dichloroethane-d4
 Concen: 58.171 ug/l
 RT: 5.964 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VX030878.D
 Acq: 27 Aug 2022 18:14

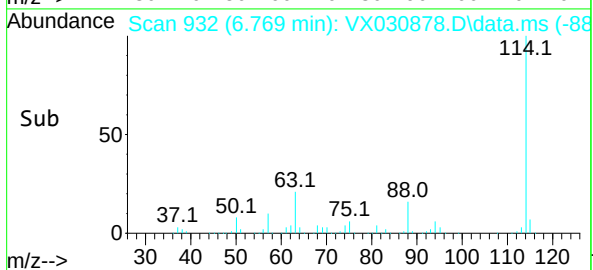
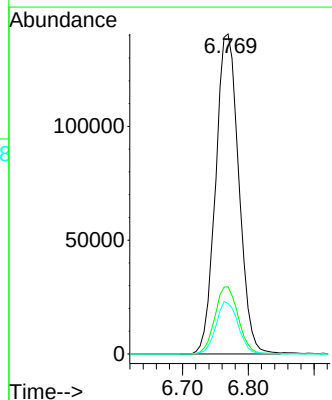
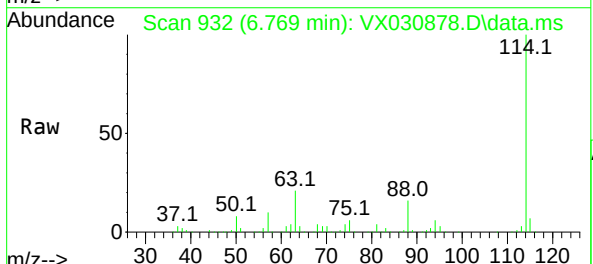
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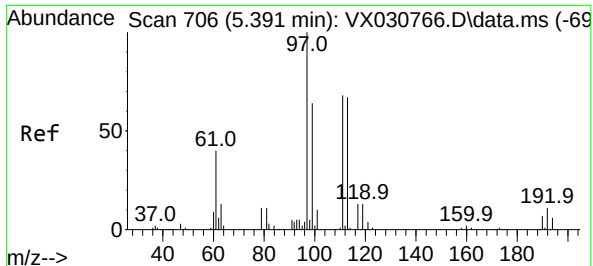
Tgt Ion: 65 Resp: 138518
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX030878.D
 Acq: 27 Aug 2022 18:14

Tgt Ion: 114 Resp: 344130
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 38.4
 88 15.8 0.0 31.8

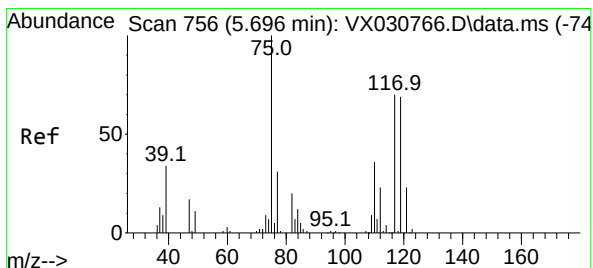
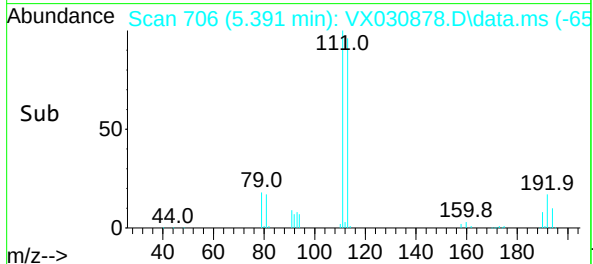
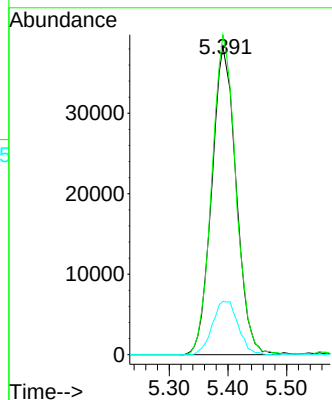
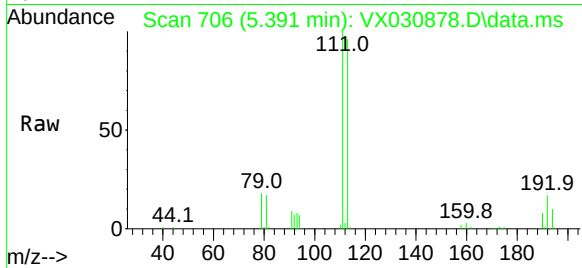




#35
Dibromofluoromethane
Concen: 52.309 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030878.D
Acq: 27 Aug 2022 18:14

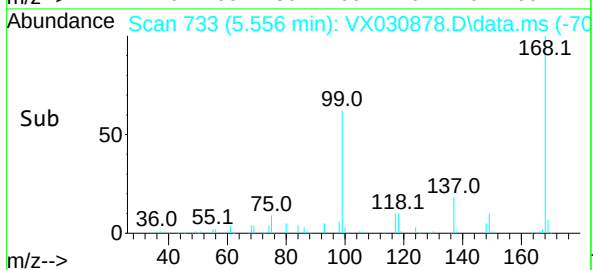
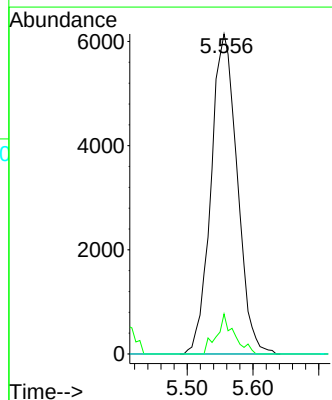
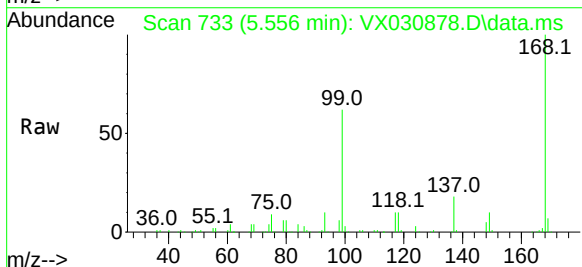
Instrument :
MSVOA_X
ClientSampleId :
251563-2

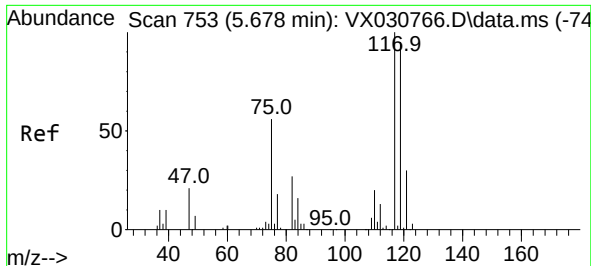
Tgt Ion:113 Resp: 110631
Ion Ratio Lower Upper
113 100
111 102.4 83.2 124.8
192 18.3 14.8 22.2



#36
1,1-Dichloropropene
Concen: 5.930 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX030878.D
Acq: 27 Aug 2022 18:14

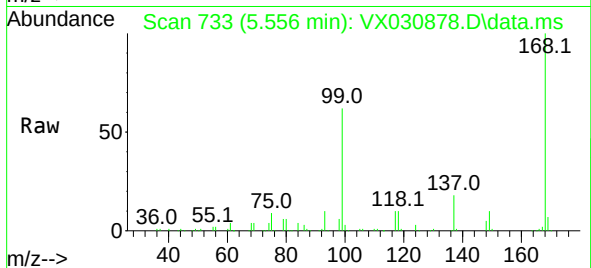
Tgt Ion: 75 Resp: 17078
Ion Ratio Lower Upper
75 100
110 8.3 19.3 57.9#
77 0.0 24.4 36.6#



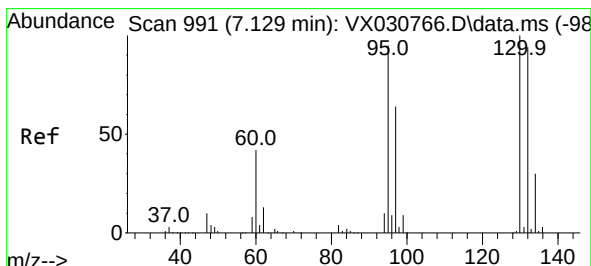
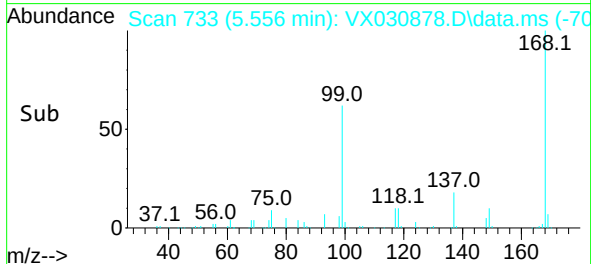
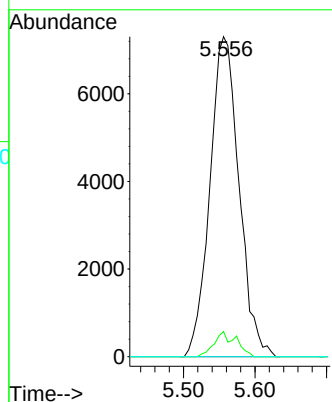


#38
Carbon Tetrachloride
Concen: 6.804 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX030878.D
Acq: 27 Aug 2022 18:14

Instrument :
MSVOA_X
ClientSampleId :
251563-2

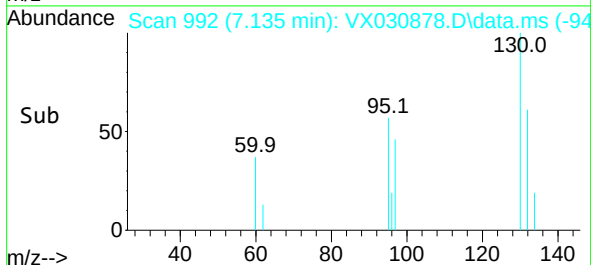
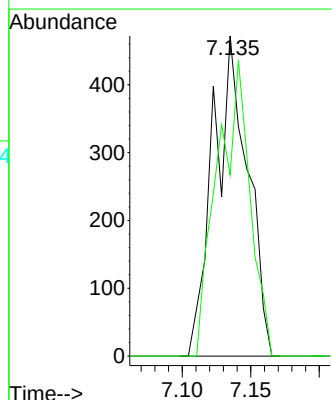
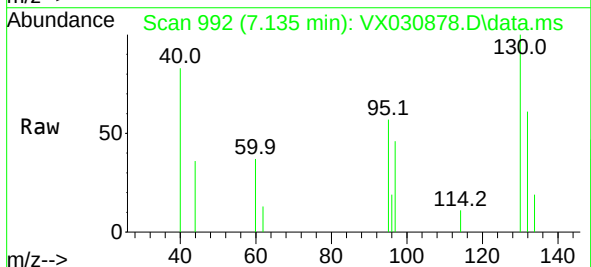


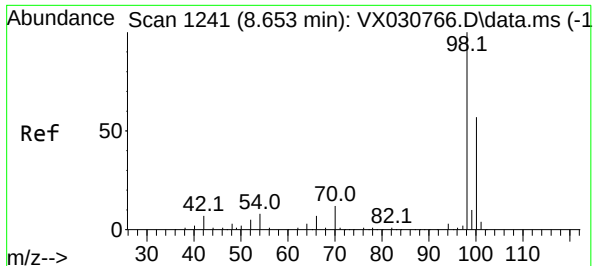
Tgt Ion:117 Resp: 20671
Ion Ratio Lower Upper
117 100
119 7.8 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.331 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX030878.D
Acq: 27 Aug 2022 18:14

Tgt Ion:130 Resp: 823
Ion Ratio Lower Upper
130 100
95 56.6 0.0 194.8

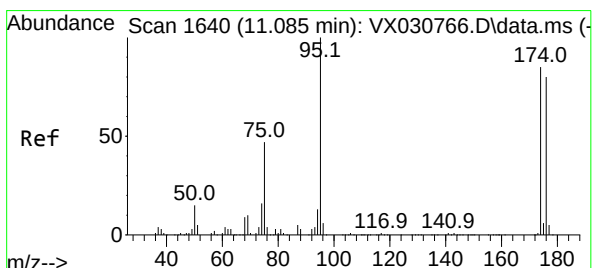
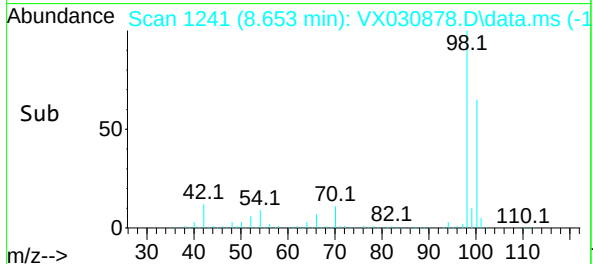
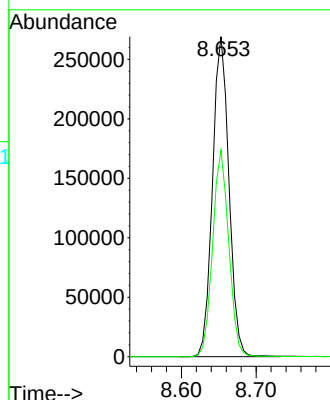
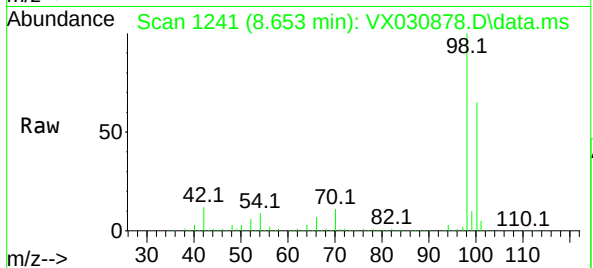




#50
Toluene-d8
Concen: 55.677 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX030878.D
Acq: 27 Aug 2022 18:14

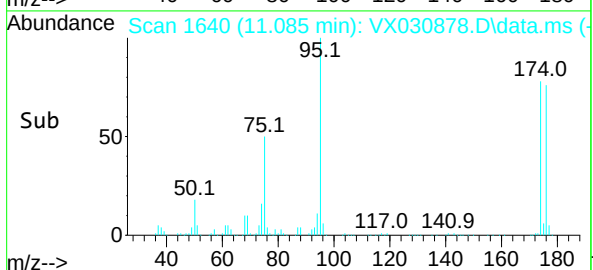
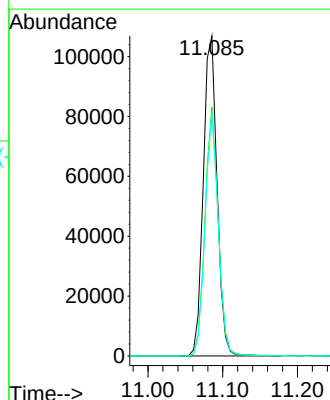
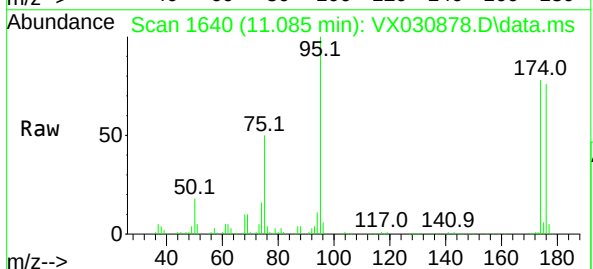
Instrument :
MSVOA_X
ClientSampleId :
251563-2

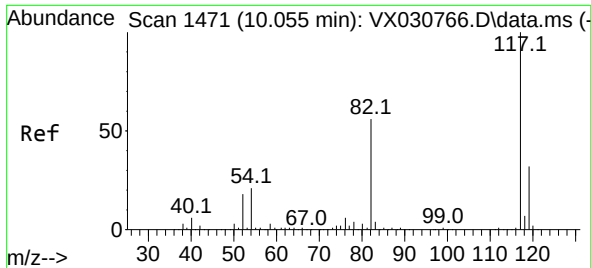
Tgt Ion: 98 Resp: 410340
Ion Ratio Lower Upper
98 100
100 63.4 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 49.798 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030878.D
Acq: 27 Aug 2022 18:14

Tgt Ion: 95 Resp: 136638
Ion Ratio Lower Upper
95 100
174 75.1 0.0 149.0
176 72.8 0.0 146.0

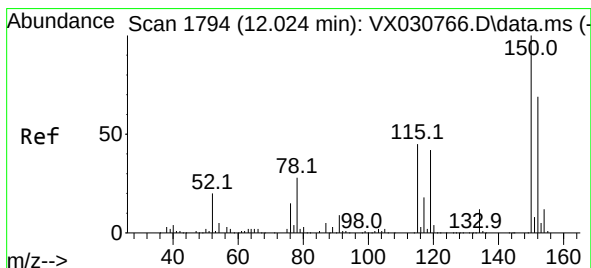
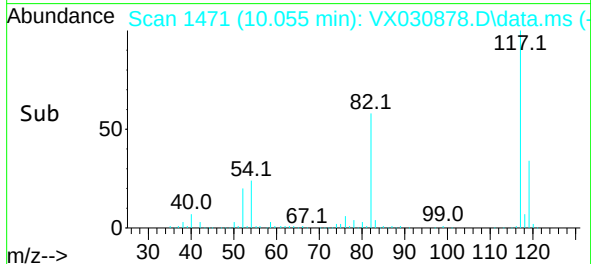
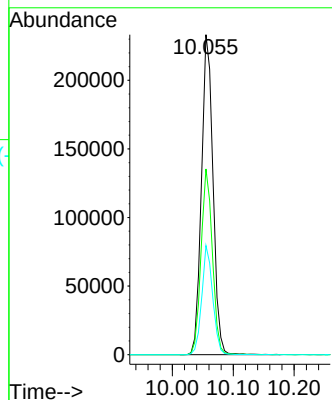
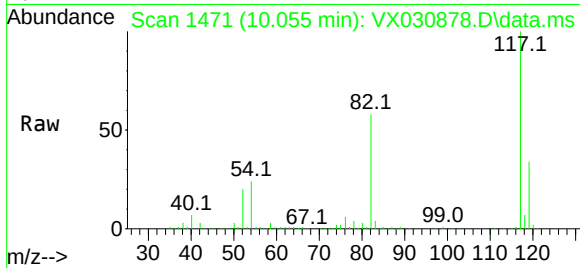




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030878.D
Acq: 27 Aug 2022 18:14

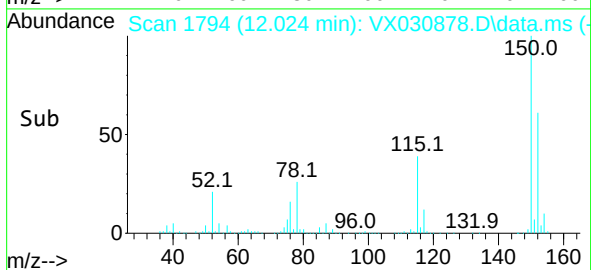
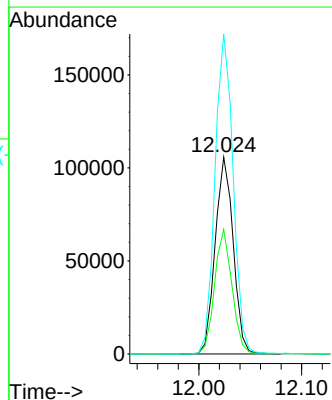
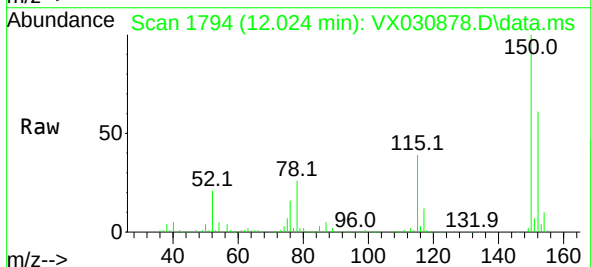
Instrument :
MSVOA_X
ClientSampleId :
251563-2

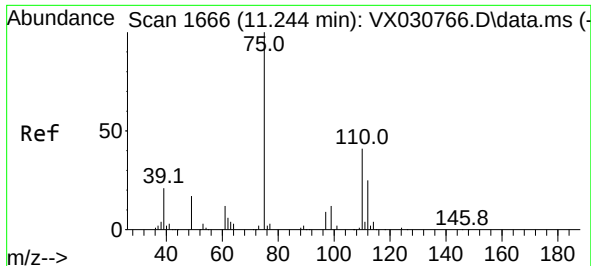
Tgt Ion:117 Resp: 307804
Ion Ratio Lower Upper
117 100
82 58.1 42.7 64.1
119 34.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030878.D
Acq: 27 Aug 2022 18:14

Tgt Ion:152 Resp: 128908
Ion Ratio Lower Upper
152 100
115 60.9 40.5 121.5
150 163.2 0.0 347.0

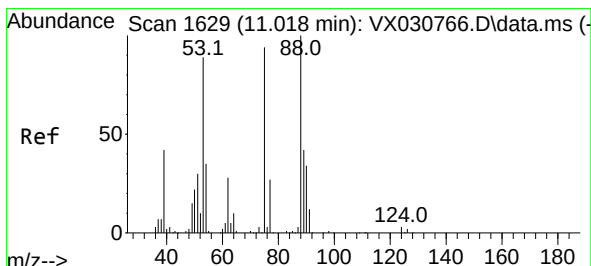
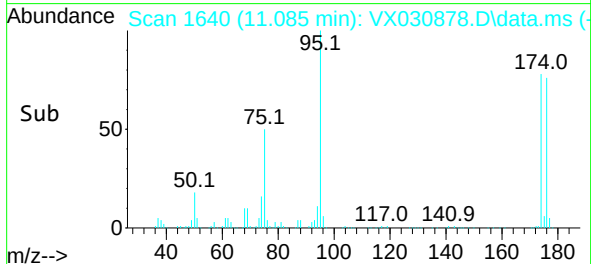
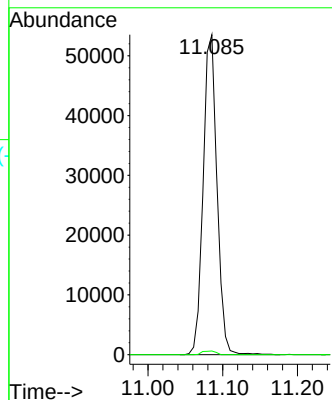
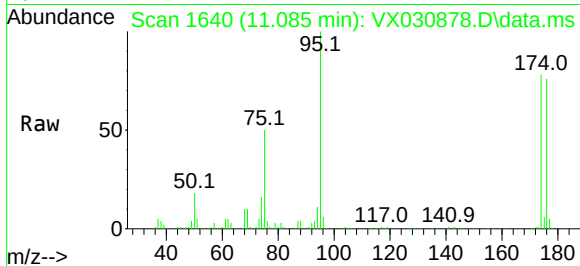




#76
1,2,3-Trichloropropane
Concen: 24.346 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030878.D
Acq: 27 Aug 2022 18:14

Instrument :
MSVOA_X
ClientSampleId :
251563-2

Tgt Ion: 75 Resp: 68757
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.549 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX030878.D
Acq: 27 Aug 2022 18:14

Tgt Ion: 75 Resp: 68757
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

