

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082722\
 Data File : VX030875.D
 Acq On : 27 Aug 2022 17:03
 Operator : JC/MD
 Sample : N4383-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 252672-1

Quant Time: Aug 29 01:10:42 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)

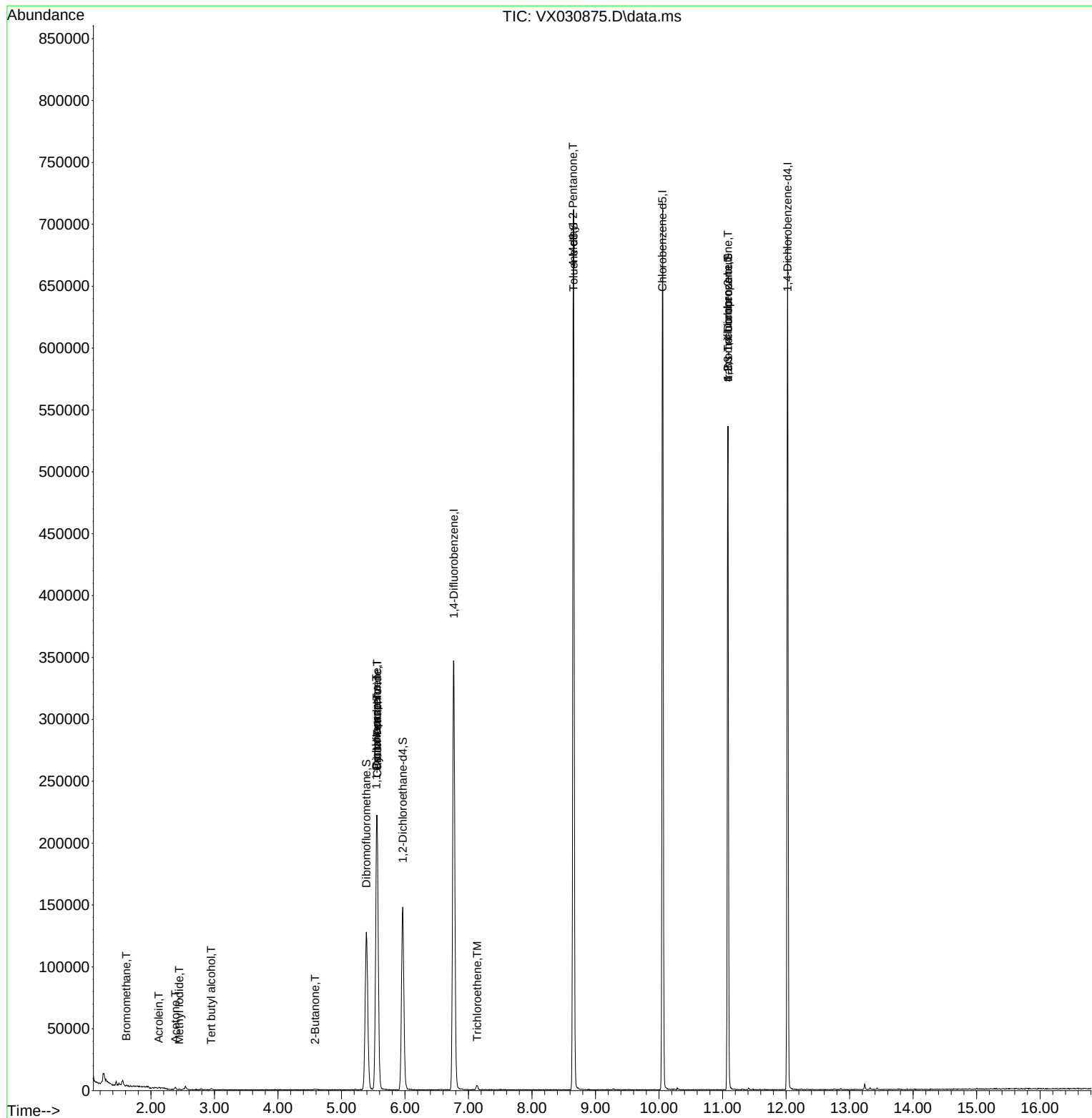
Internal Standards						
1) Pentafluorobenzene	5.556	168	207187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	357304	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	323597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	137440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	140201	57.528	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 115.060%	
35) Dibromofluoromethane	5.391	113	112362	51.168	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.340%	
50) Toluene-d8	8.653	98	422562	55.222	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.440%	
62) 4-Bromofluorobenzene	11.085	95	140782	49.417	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.840%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	402	Below Cal		91
4) Vinyl Chloride	1.361	62	27	Below Cal	#	43
5) Bromomethane	1.611	94	398	0.412	ug/l #	67
6) Chloroethane	1.660	64	312	Below Cal	#	41
10) Methyl Iodide	2.447	142	50	4.057	ug/l #	45
11) Tert butyl alcohol	2.947	59	643	1.215	ug/l #	74
13) Acrolein	2.124	56	53	10.161	ug/l #	14
16) Acetone	2.386	43	1725	1.532	ug/l	92
17) Carbon Disulfide	2.508	76	1031	Below Cal	#	74
20) Methylene Chloride	2.782	84	384	Below Cal	#	72
25) 2-Butanone	4.586	43	458	0.252	ug/l #	48
31) Cyclohexane	5.556	56	4510	1.447	ug/l #	22
36) 1,1-Dichloropropene	5.550	75	16781	5.612	ug/l #	48
38) Carbon Tetrachloride	5.562	117	21699	6.879	ug/l #	17
44) Trichloroethene	7.135	130	1606	0.621	ug/l	74
51) 4-Methyl-2-Pentanone	8.647	43	1890	0.525	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	71397	23.711	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	71397	76.502	ug/l #	13

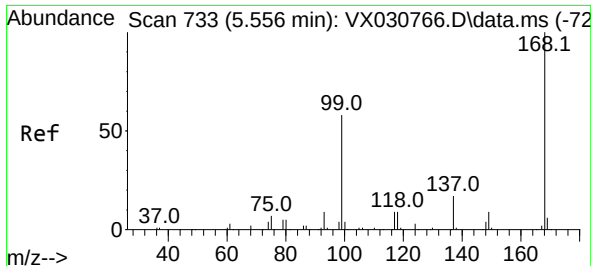
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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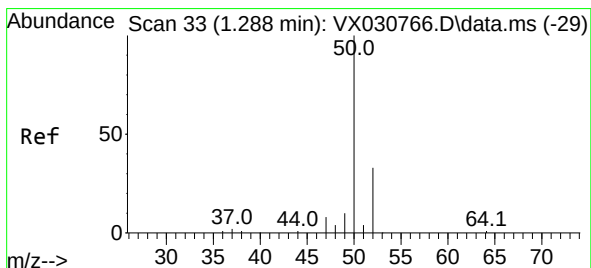
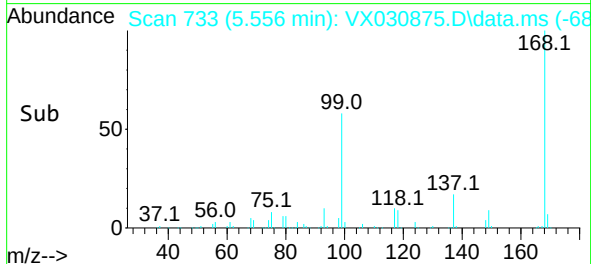
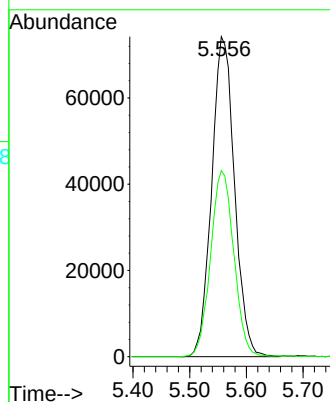
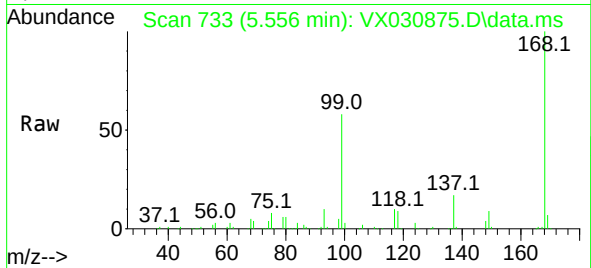




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030875.D
Acq: 27 Aug 2022 17:03

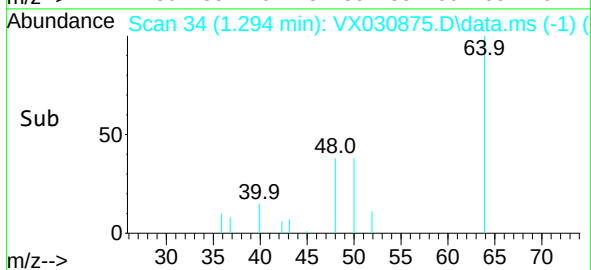
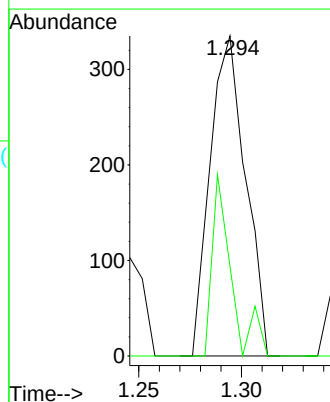
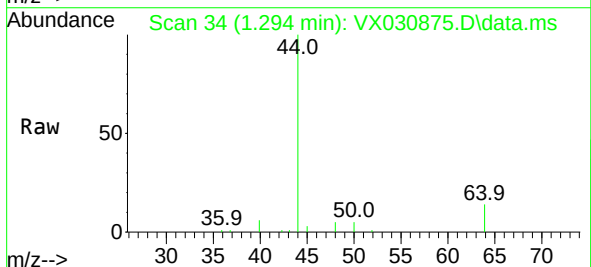
Instrument :
MSVOA_X
ClientSampleId :
252672-1

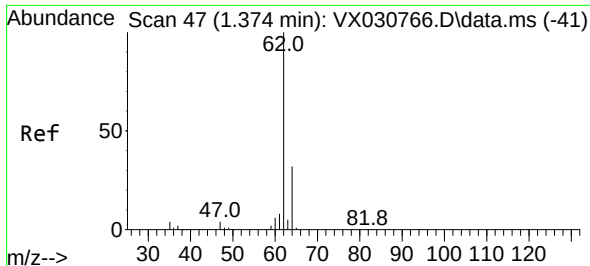
Tgt Ion:168 Resp: 207187
Ion Ratio Lower Upper
168 100
99 58.1 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX030875.D
Acq: 27 Aug 2022 17:03

Tgt Ion: 50 Resp: 402
Ion Ratio Lower Upper
50 100
52 28.1 26.3 39.5

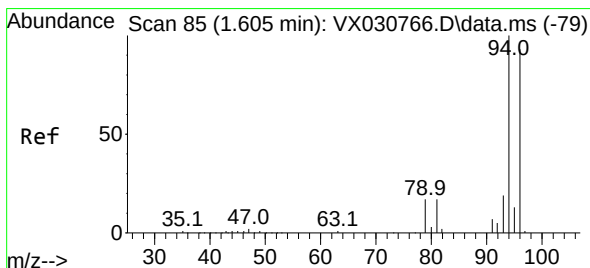
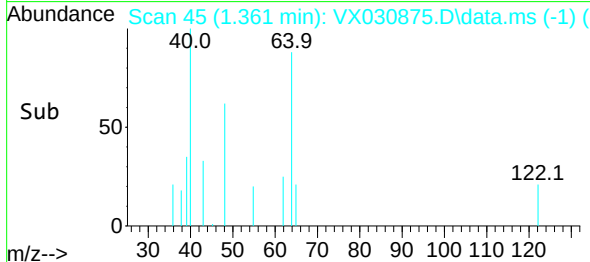
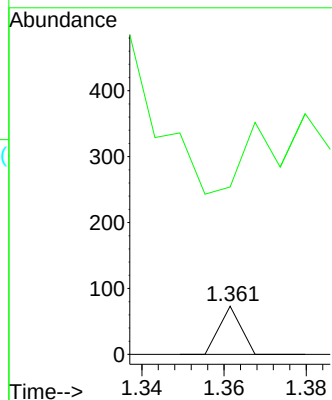
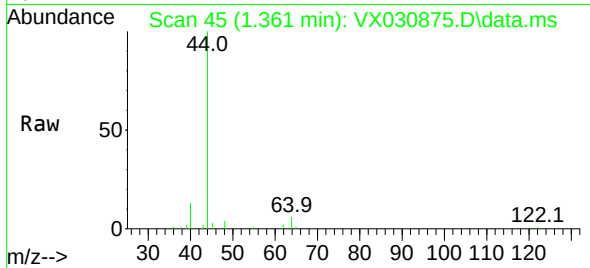




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 1.361 min Scan# 41
 Delta R.T. -0.013 min
 Lab File: VX030875.D
 Acq: 27 Aug 2022 17:03

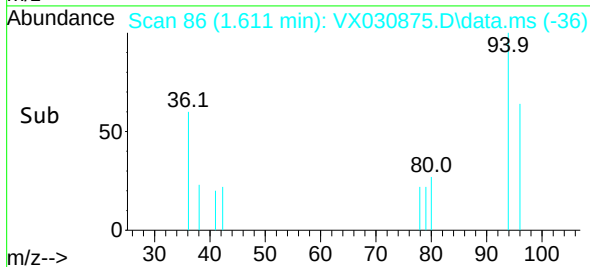
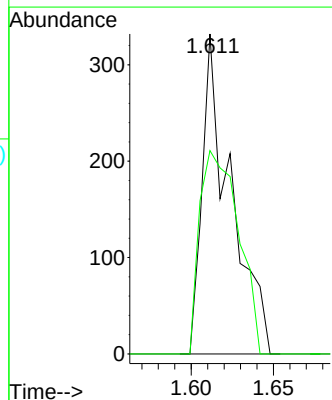
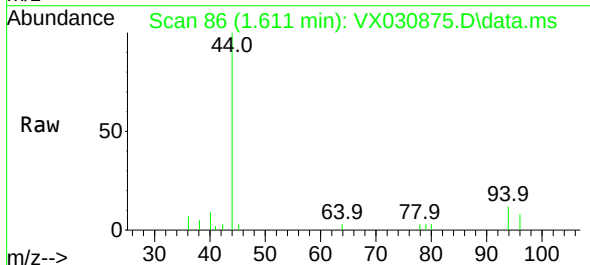
Instrument :
 MSVOA_X
 ClientSampleId :
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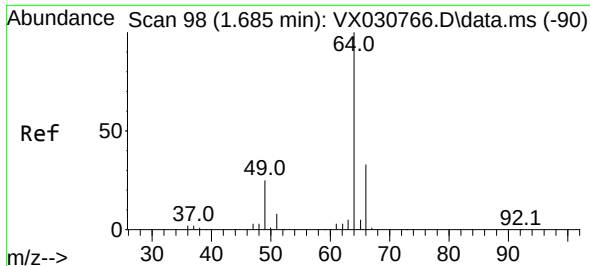
Tgt Ion: 62 Resp: 27
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.2 37.8#



#5
 Bromomethane
 Concen: 0.412 ug/l
 RT: 1.611 min Scan# 86
 Delta R.T. 0.006 min
 Lab File: VX030875.D
 Acq: 27 Aug 2022 17:03

Tgt Ion: 94 Resp: 398
 Ion Ratio Lower Upper
 94 100
 96 63.6 76.9 115.3#

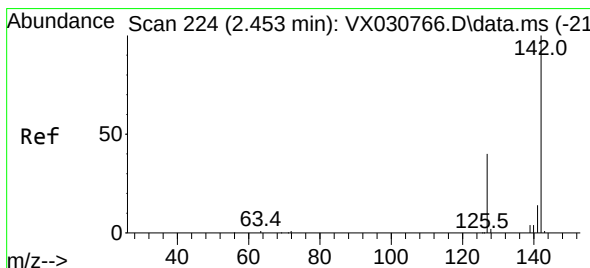
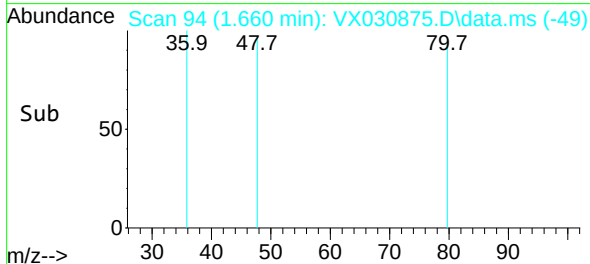
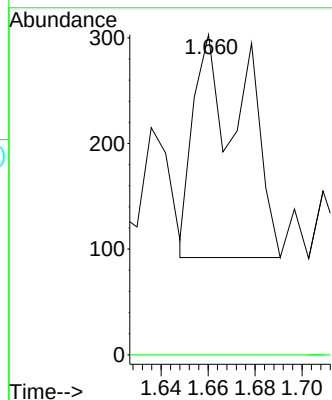
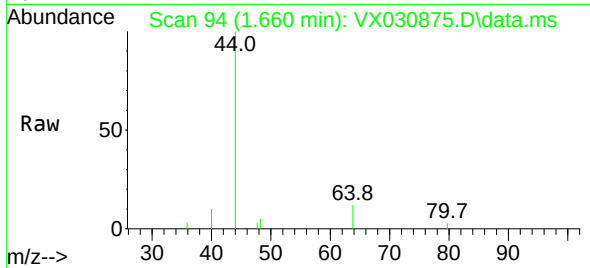




#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. -0.025 min
Lab File: VX030875.D
Acq: 27 Aug 2022 17:03

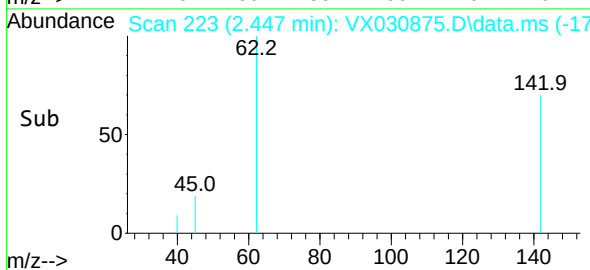
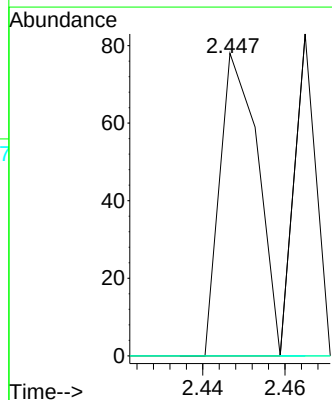
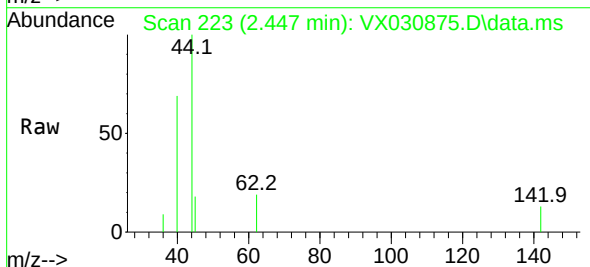
Instrument :
MSVOA_X
ClientSampleId :
252672-1

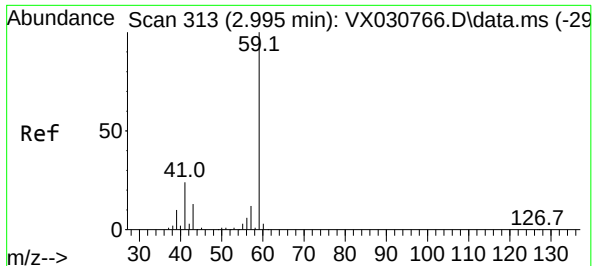
Tgt Ion: 64 Resp: 312
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 4.057 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.006 min
Lab File: VX030875.D
Acq: 27 Aug 2022 17:03

Tgt Ion: 142 Resp: 50
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#

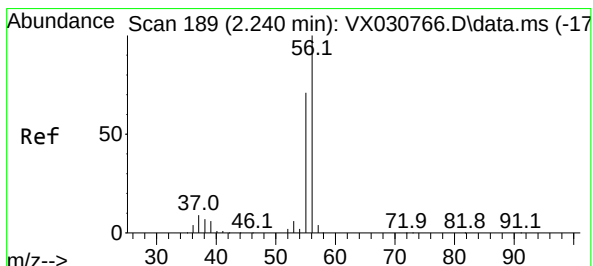
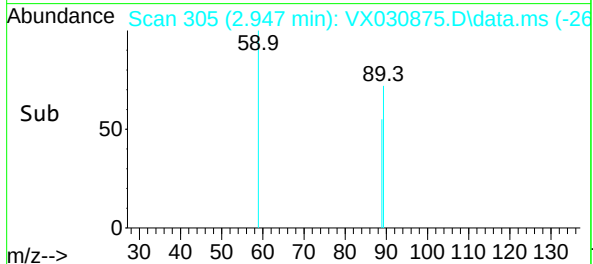
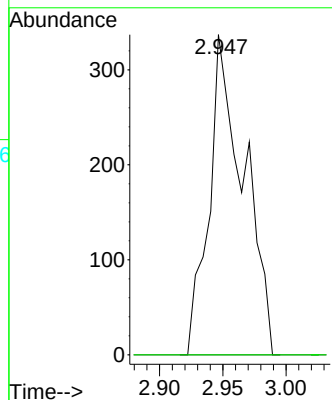
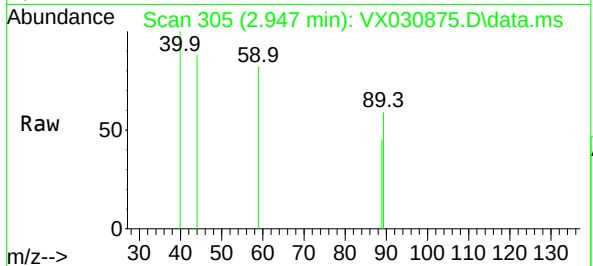




#11
Tert butyl alcohol
Concen: 1.215 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX030875.D
Acq: 27 Aug 2022 17:03

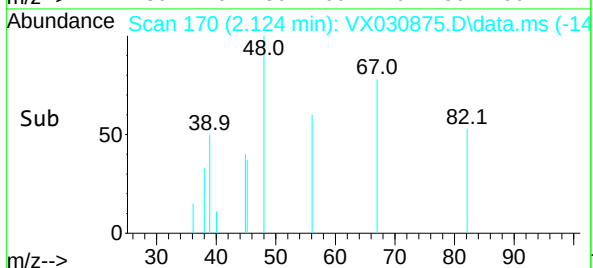
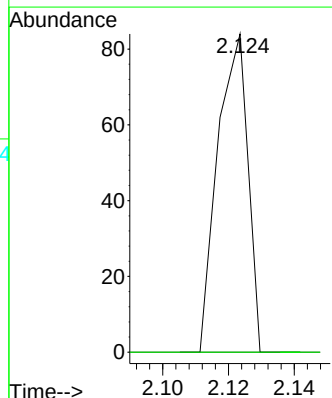
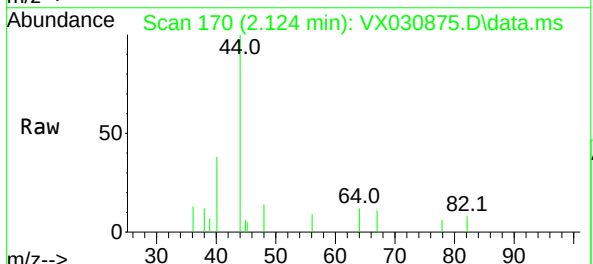
Instrument :
MSVOA_X
ClientSampleId :
252672-1

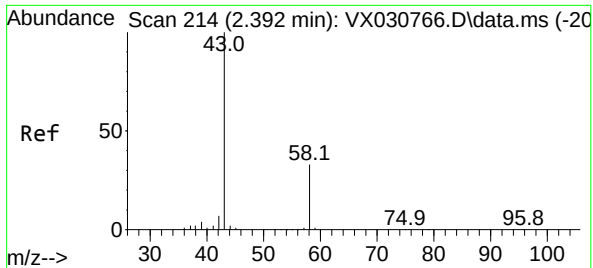
Tgt Ion: 59 Resp: 643
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#13
Acrolein
Concen: 10.161 ug/l
RT: 2.124 min Scan# 170
Delta R.T. -0.116 min
Lab File: VX030875.D
Acq: 27 Aug 2022 17:03

Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#

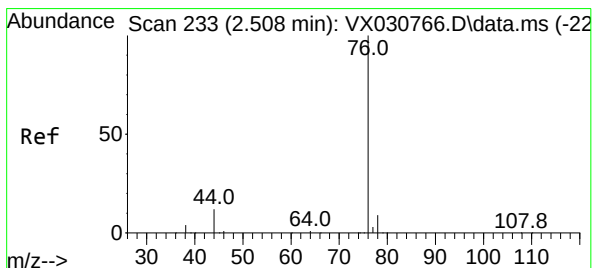
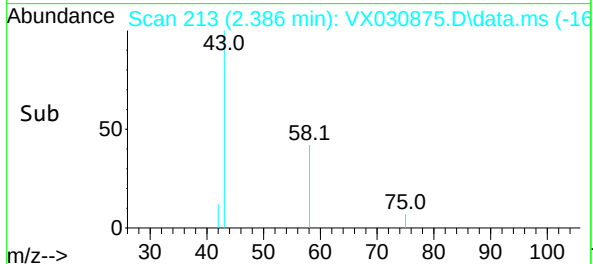
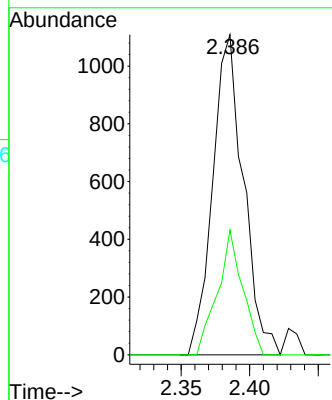
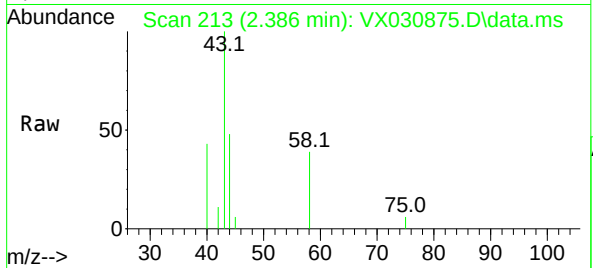




#16
Acetone
Concen: 1.532 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX030875.D
Acq: 27 Aug 2022 17:03

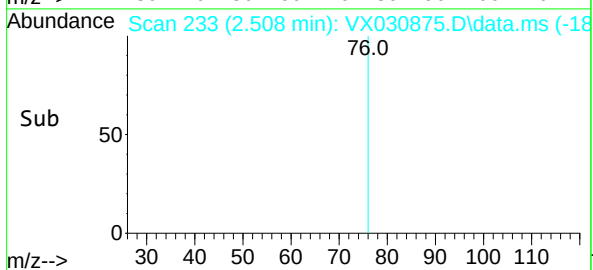
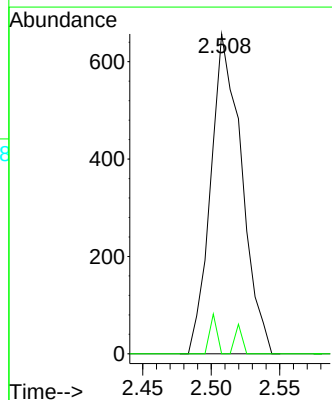
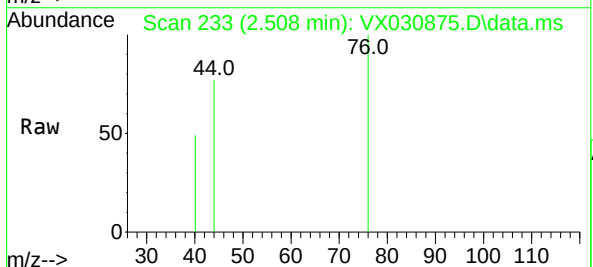
Instrument :
MSVOA_X
ClientSampleId :
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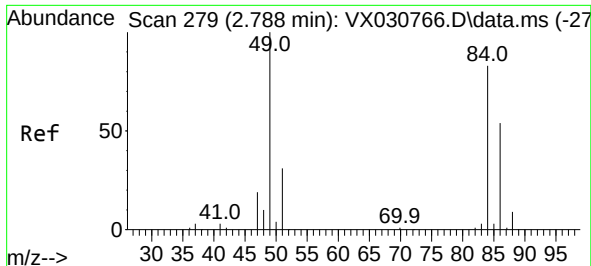
Tgt Ion: 43 Resp: 1725
Ion Ratio Lower Upper
43 100
58 39.0 27.7 41.5



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX030875.D
Acq: 27 Aug 2022 17:03

Tgt Ion: 76 Resp: 1031
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX030875.D

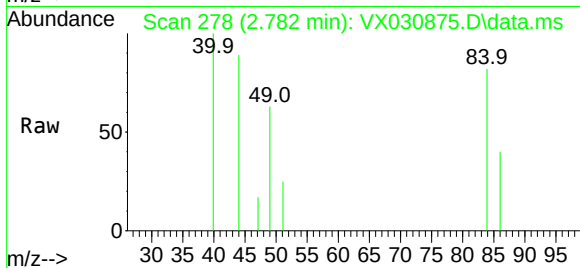
Acq: 27 Aug 2022 17:03

Instrument :

MSVOA_X

ClientSampleId :

252672-1



Tgt Ion: 84 Resp: 384

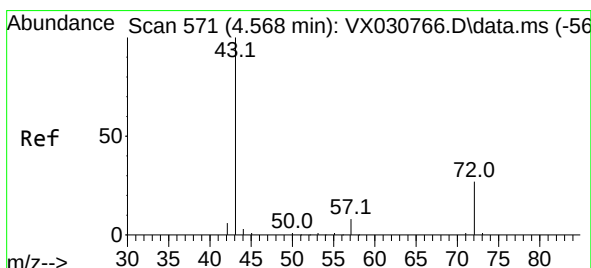
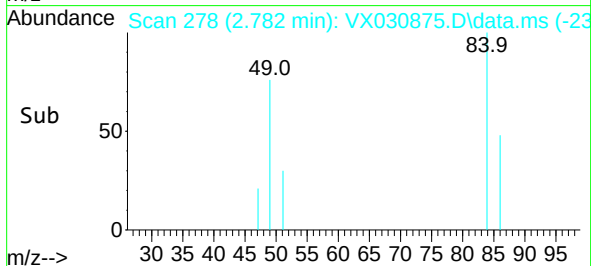
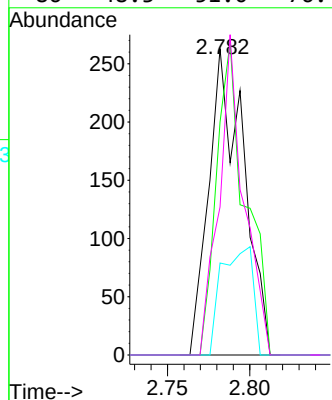
Ion Ratio Lower Upper

84 100

49 76.0 93.8 140.6#

51 30.0 29.4 44.0

86 48.3 51.0 76.4#



#25

2-Butanone

Concen: 0.252 ug/l

RT: 4.586 min Scan# 574

Delta R.T. 0.018 min

Lab File: VX030875.D

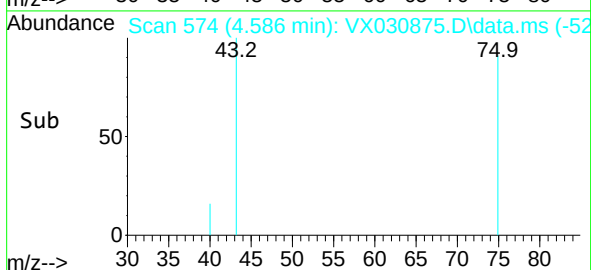
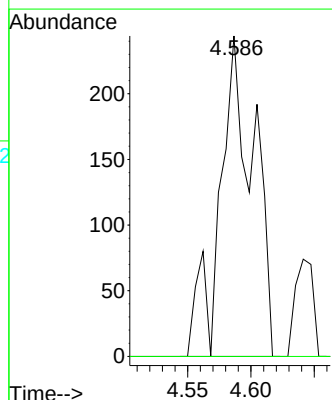
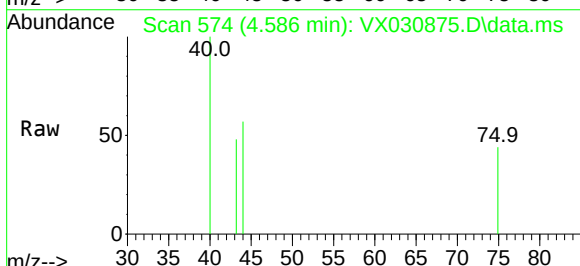
Acq: 27 Aug 2022 17:03

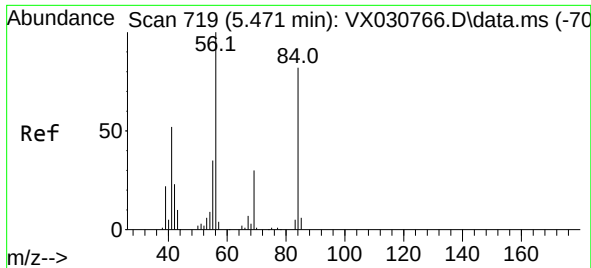
Tgt Ion: 43 Resp: 458

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#

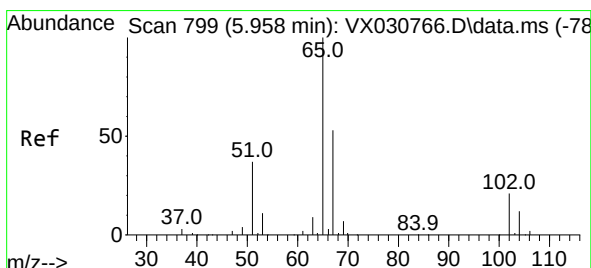
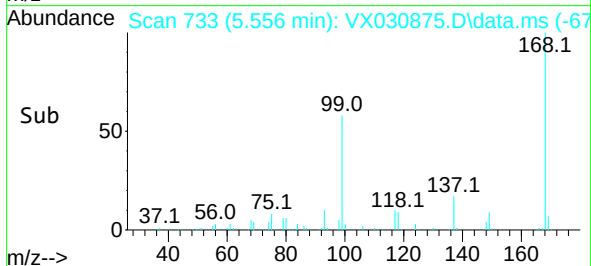
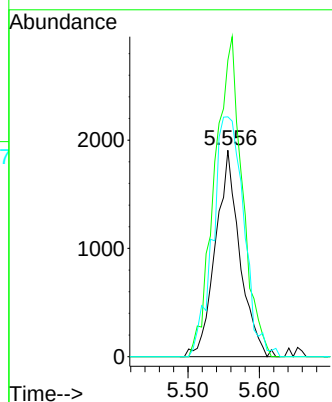
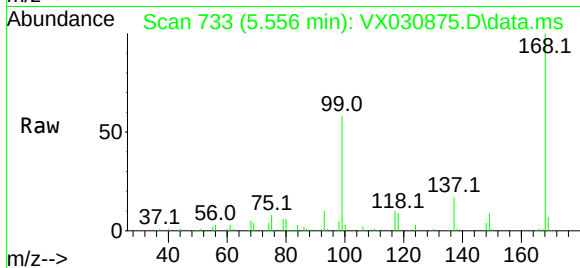




#31
Cyclohexane
Concen: 1.447 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX030875.D
Acq: 27 Aug 2022 17:03

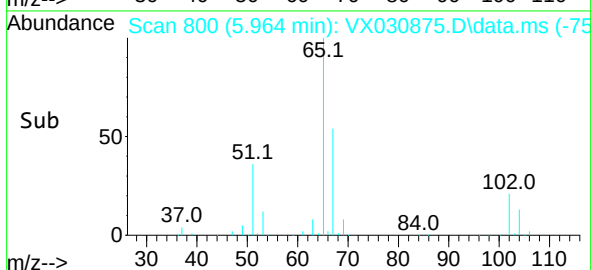
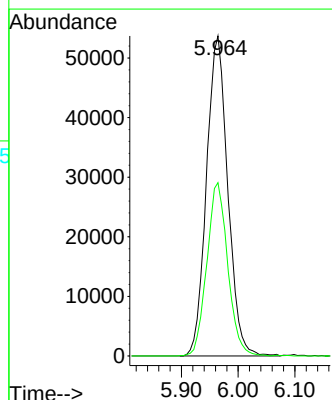
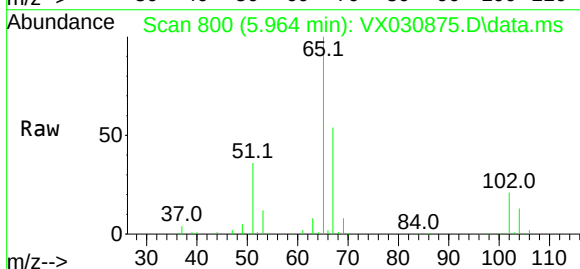
Instrument :
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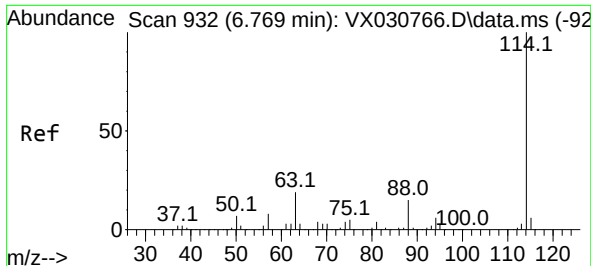
Tgt Ion: 56 Resp: 4510
Ion Ratio Lower Upper
56 100
69 143.7 25.4 38.0#
84 116.3 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 57.528 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX030875.D
Acq: 27 Aug 2022 17:03

Tgt Ion: 65 Resp: 140201
Ion Ratio Lower Upper
65 100
67 53.1 0.0 109.6

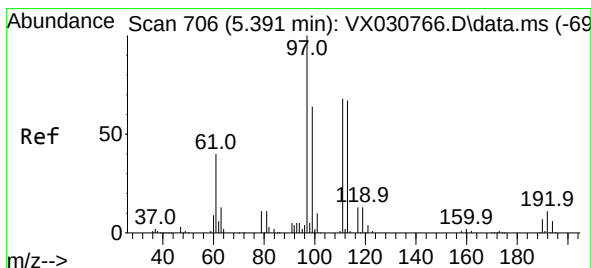
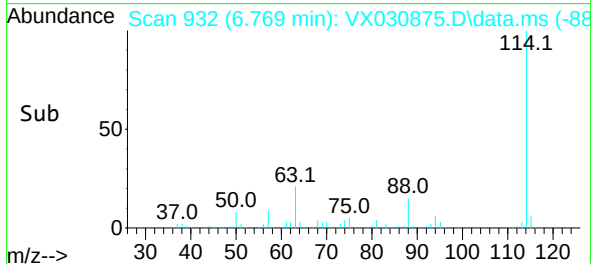
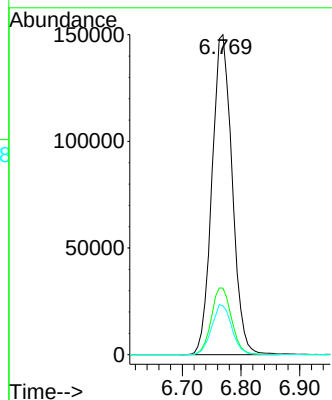
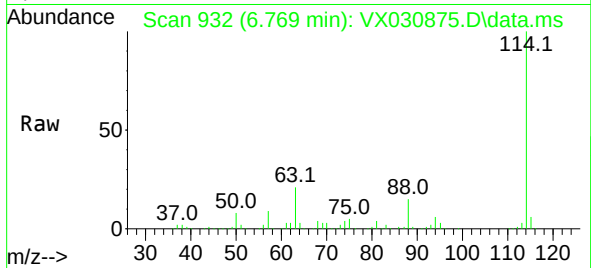




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX030875.D
 Acq: 27 Aug 2022 17:03

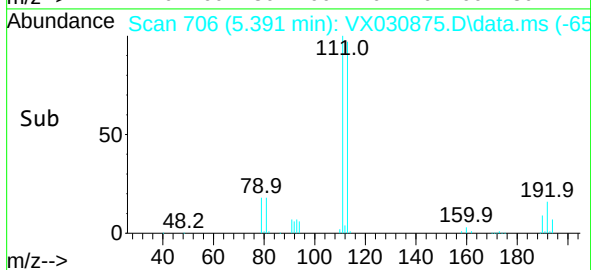
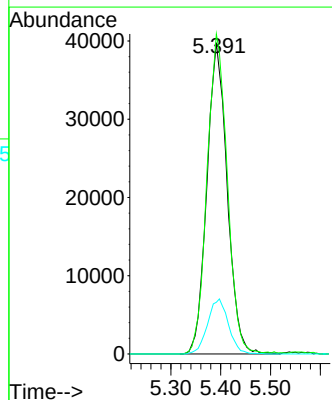
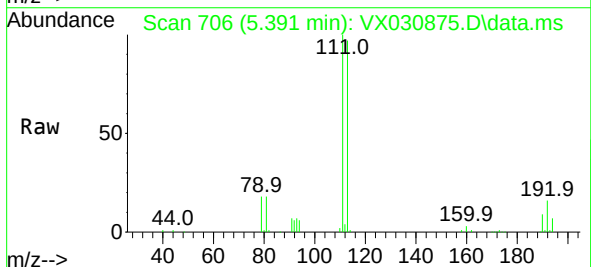
Instrument :
 MSVOA_X
 ClientSampleId :
 252672-1

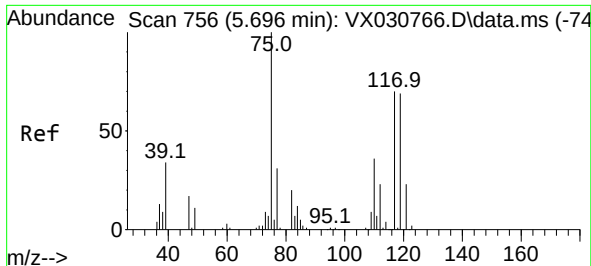
Tgt Ion:114 Resp: 357304
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 38.4
 88 15.3 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 51.168 ug/l
 RT: 5.391 min Scan# 706
 Delta R.T. 0.000 min
 Lab File: VX030875.D
 Acq: 27 Aug 2022 17:03

Tgt Ion:113 Resp: 112362
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.2 124.8
 192 18.1 14.8 22.2

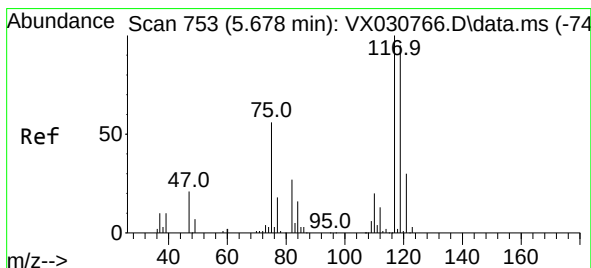
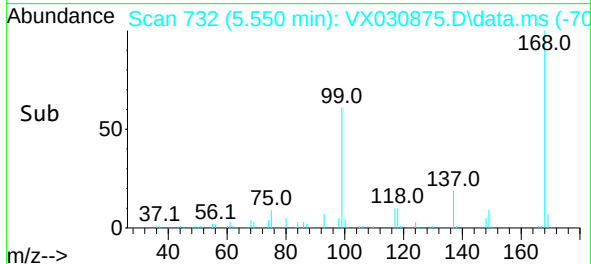
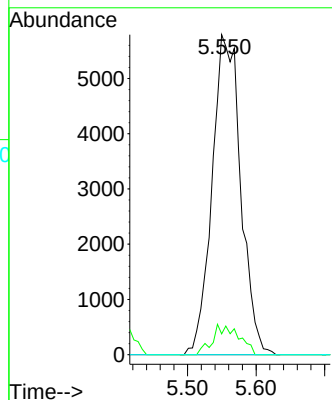
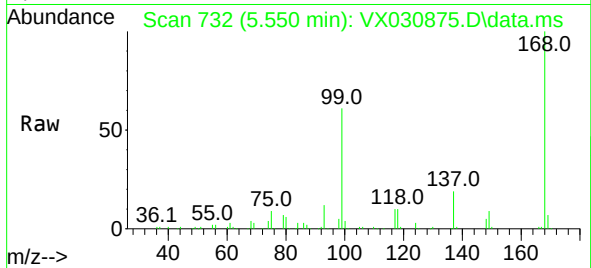




#36
1,1-Dichloropropene
Concen: 5.612 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX030875.D
Acq: 27 Aug 2022 17:03

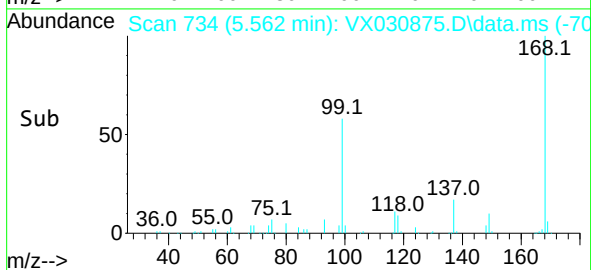
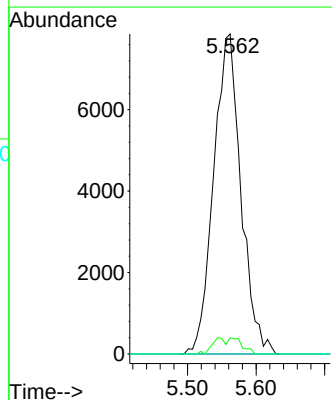
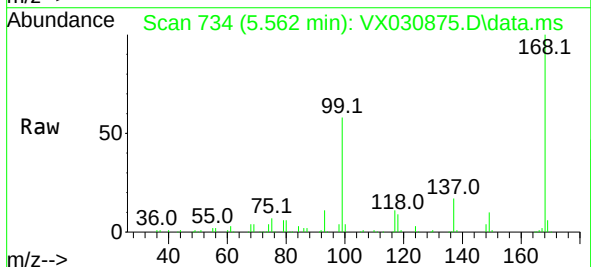
Instrument :
MSVOA_X
ClientSampleId :
252672-1

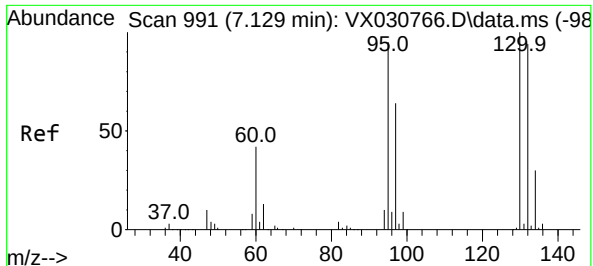
Tgt Ion: 75 Resp: 16781
Ion Ratio Lower Upper
75 100
110 8.6 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.879 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.116 min
Lab File: VX030875.D
Acq: 27 Aug 2022 17:03

Tgt Ion: 117 Resp: 21699
Ion Ratio Lower Upper
117 100
119 5.0 74.1 111.1#
121 0.0 25.8 38.8#

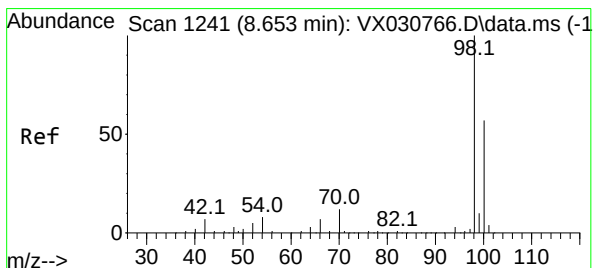
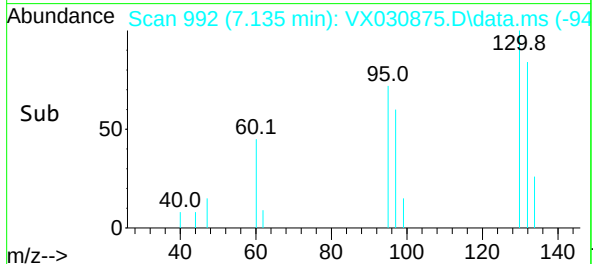
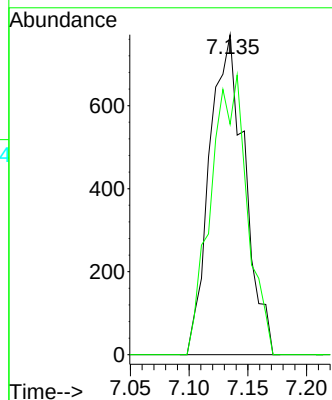
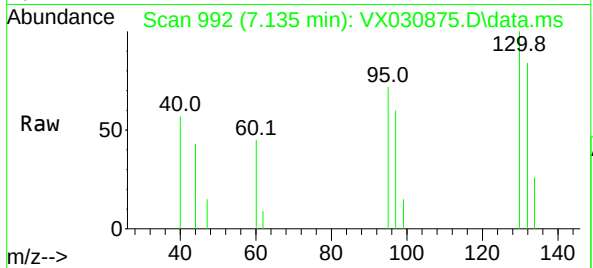




#44
 Trichloroethene
 Concen: 0.621 ug/l
 RT: 7.135 min Scan# 991
 Delta R.T. 0.006 min
 Lab File: VX030875.D
 Acq: 27 Aug 2022 17:03

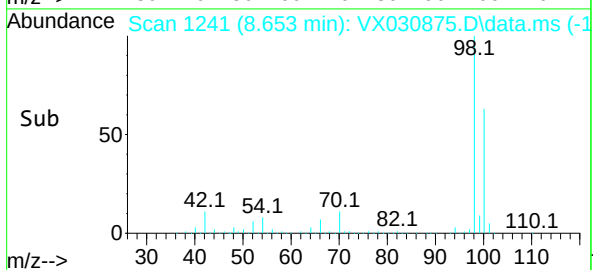
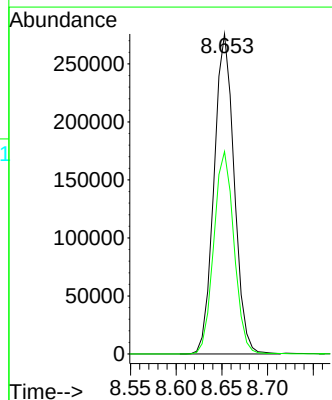
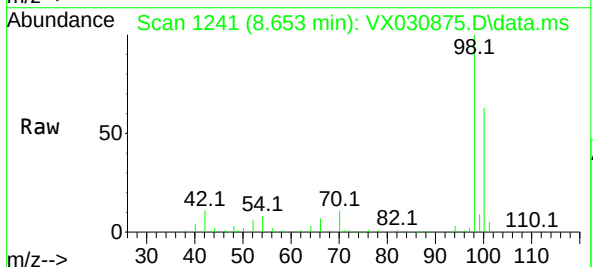
Instrument :
 MSVOA_X
 ClientSampleId :
 252672-1

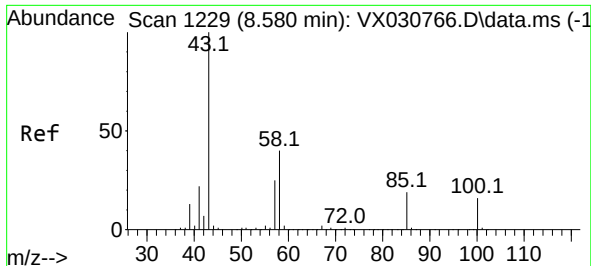
Tgt Ion:130 Resp: 1606
 Ion Ratio Lower Upper
 130 100
 95 72.0 0.0 194.8



#50
 Toluene-d8
 Concen: 55.222 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. -0.000 min
 Lab File: VX030875.D
 Acq: 27 Aug 2022 17:03

Tgt Ion: 98 Resp: 422562
 Ion Ratio Lower Upper
 98 100
 100 63.5 52.3 78.5

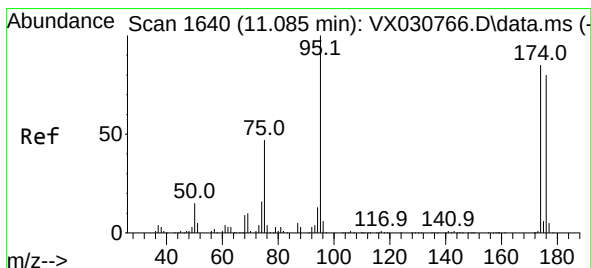
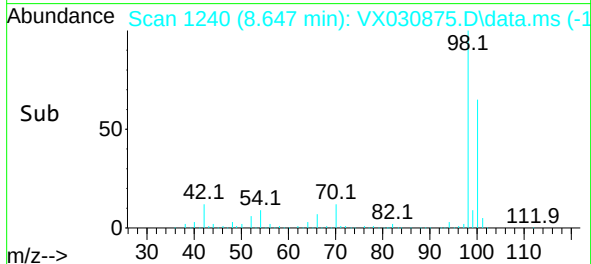
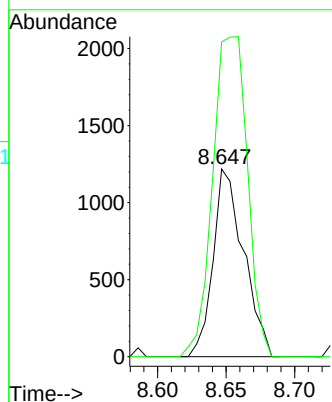
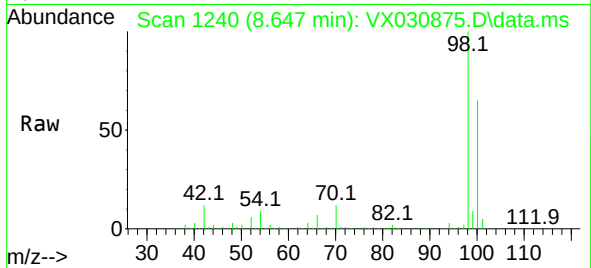




#51
4-Methyl-2-Pentanone
Concen: 0.525 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX030875.D
Acq: 27 Aug 2022 17:03

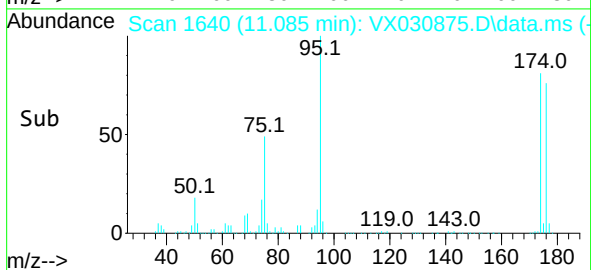
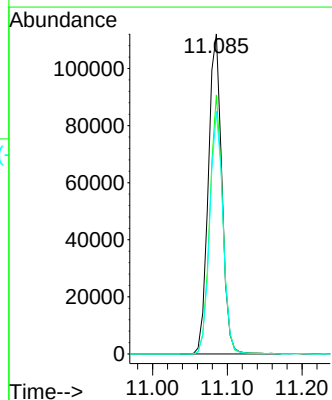
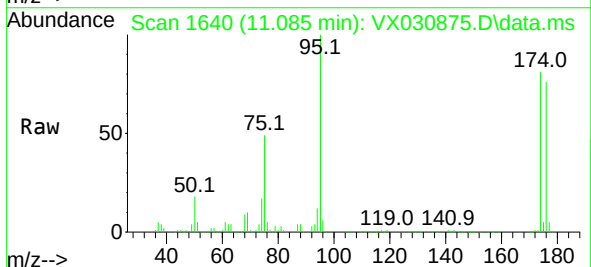
Instrument :
MSVOA_X
ClientSampleId :
252672-1

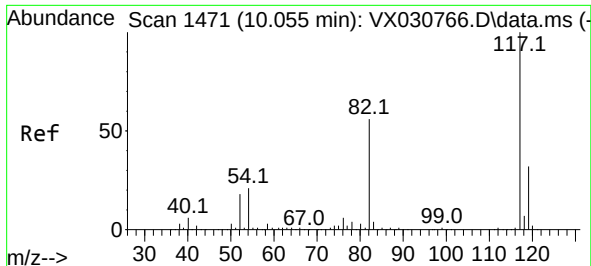
Tgt Ion: 43 Resp: 1890
Ion Ratio Lower Upper
43 100
58 194.4 31.4 47.2#



#62
4-Bromofluorobenzene
Concen: 49.417 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030875.D
Acq: 27 Aug 2022 17:03

Tgt Ion: 95 Resp: 140782
Ion Ratio Lower Upper
95 100
174 77.0 0.0 149.0
176 73.9 0.0 146.0

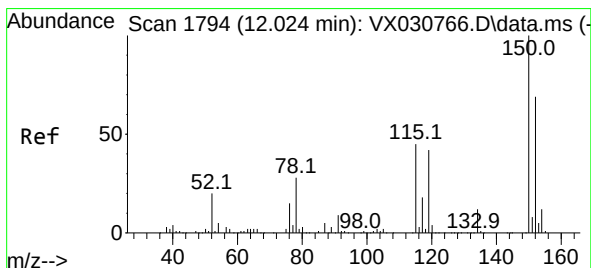
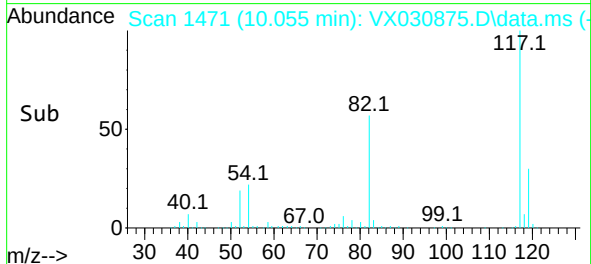
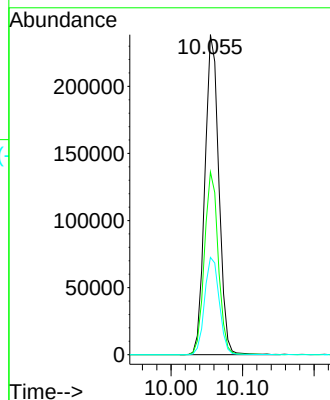
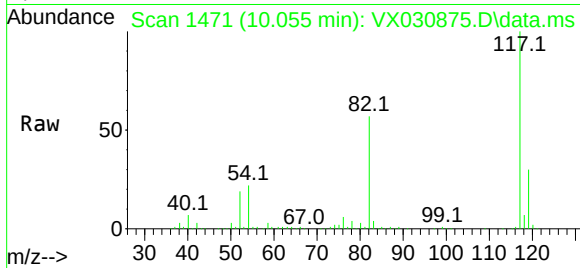




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030875.D
Acq: 27 Aug 2022 17:03

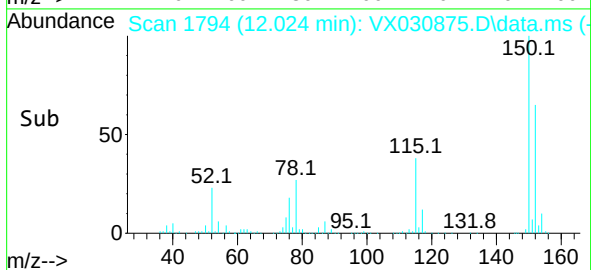
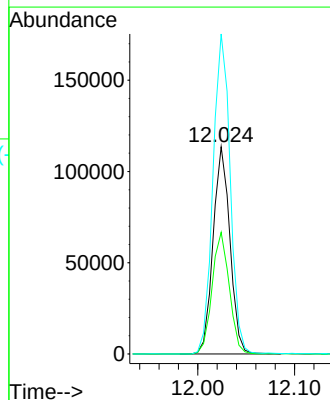
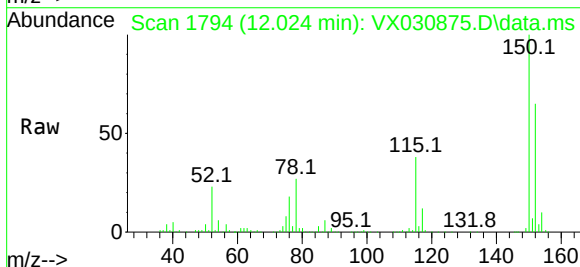
Instrument :
MSVOA_X
ClientSampleId :
252672-1

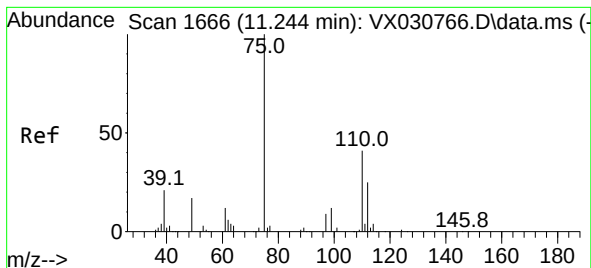
Tgt Ion:117 Resp: 323597
Ion Ratio Lower Upper
117 100
82 57.1 42.7 64.1
119 30.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030875.D
Acq: 27 Aug 2022 17:03

Tgt Ion:152 Resp: 137440
Ion Ratio Lower Upper
152 100
115 59.7 40.5 121.5
150 157.9 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 23.711 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX030875.D

Acq: 27 Aug 2022 17:03

Instrument :

MSVOA_X

ClientSampleId :

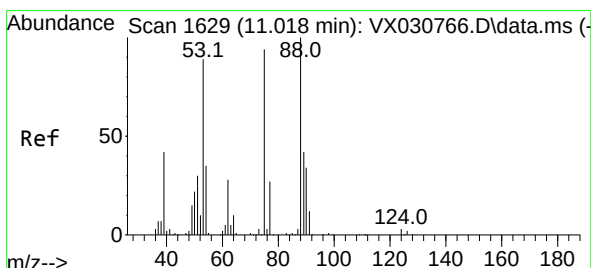
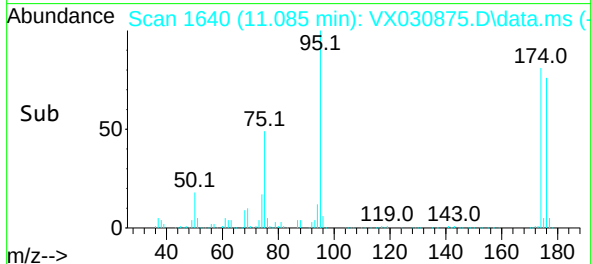
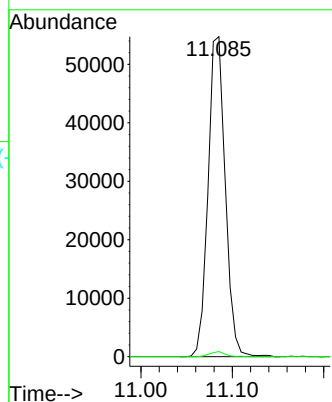
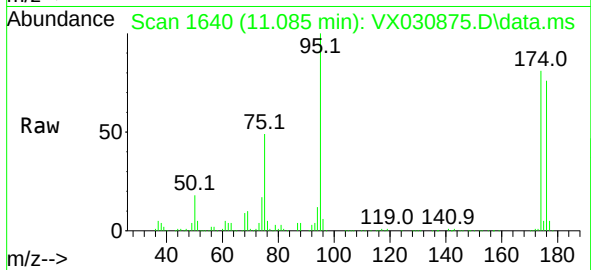
252672-1

Tgt Ion: 75 Resp: 71397

Ion Ratio Lower Upper

75 100

77 1.4 19.8 59.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.502 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.067 min

Lab File: VX030875.D

Acq: 27 Aug 2022 17:03

Tgt Ion: 75 Resp: 71397

Ion Ratio Lower Upper

75 100

53 0.1 74.2 111.4#

89 0.0 34.8 52.2#

