

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072822\
 Data File : VX030284.D
 Acq On : 28 Jul 2022 20:53
 Operator : JC/MD
 Sample : N3898-05RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 61422-B

Quant Time: Jul 29 06:00:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

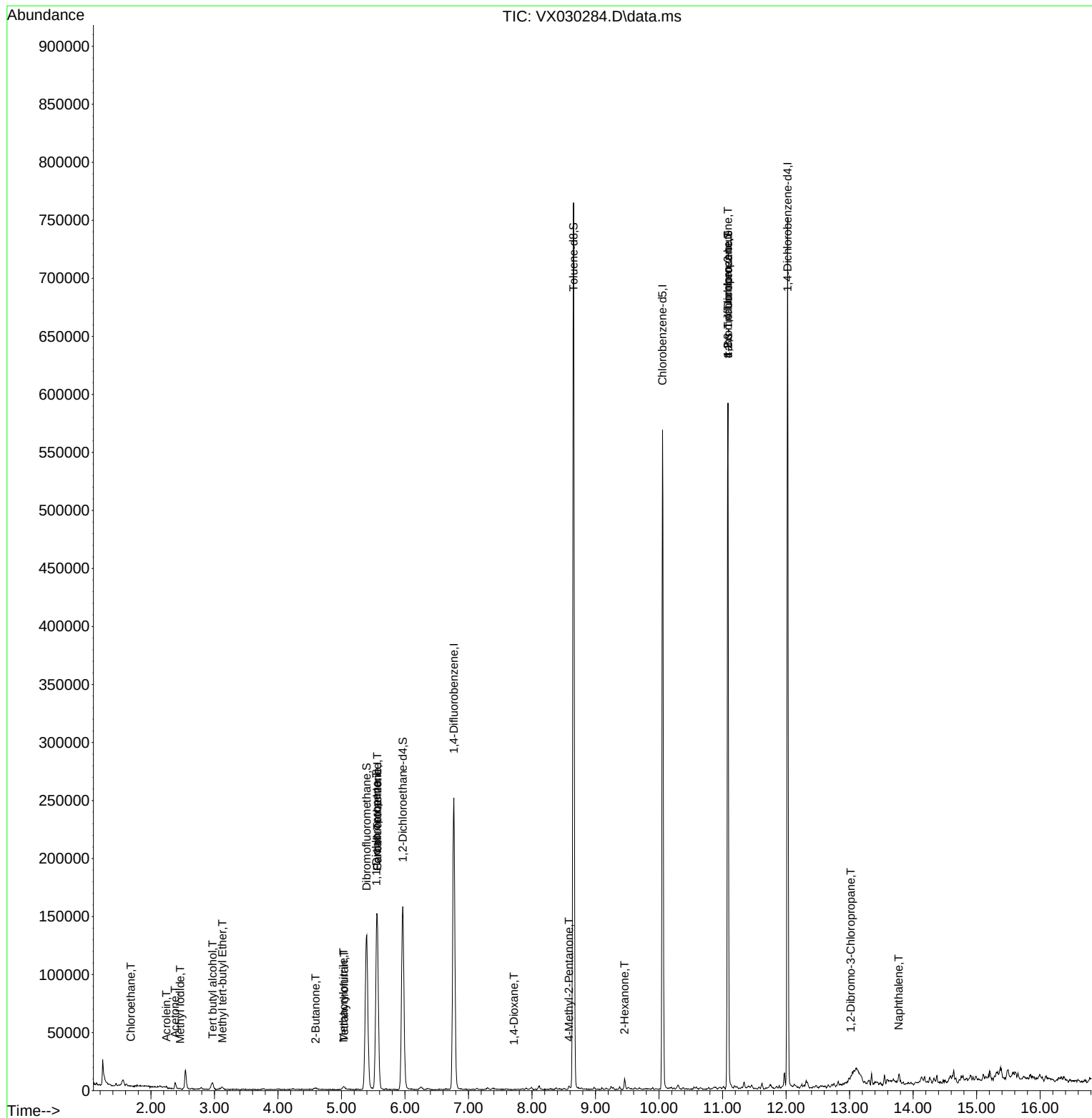
Internal Standards						
1) Pentafluorobenzene	5.562	168	143778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	257684	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	252658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	144949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	148756	51.475	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.960%			
35) Dibromofluoromethane	5.397	113	120168	48.783	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.560%			
50) Toluene-d8	8.653	98	452087	47.391	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.780%			
62) 4-Bromofluorobenzene	11.085	95	162288	45.839	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.680%			
Target Compounds					Qvalue	
5) Bromomethane	1.605	94	523	Below Cal		91
6) Chloroethane	1.685	64	301	0.223 ug/l #		41
10) Methyl Iodide	2.459	142	637	1.801 ug/l #		90
11) Tert butyl alcohol	2.971	59	6688	9.488 ug/l		98
13) Acrolein	2.239	56	152	0.877 ug/l		84
16) Acetone	2.380	43	5627	3.803 ug/l #		88
19) Methyl tert-butyl Ether	3.123	73	2274	0.296 ug/l #		89
20) Methylene Chloride	2.788	84	461	Below Cal #		69
25) 2-Butanone	4.593	43	1054	0.424 ug/l #		48
29) Tetrahydrofuran	5.044	42	2652	1.585 ug/l #		85
36) 1,1-Dichloropropene	5.550	75	12140	3.425 ug/l #		47
38) Carbon Tetrachloride	5.562	117	14314	4.325 ug/l #		18
41) Methacrylonitrile	5.032	41	1718	0.638 ug/l #		35
49) 1,4-Dioxane	7.714	88	44	0.526 ug/l #		1
51) 4-Methyl-2-Pentanone	8.580	43	1747	0.350 ug/l		98
59) 2-Hexanone	9.458	43	789	0.200 ug/l		99
67) Ethyl Benzene	10.201	91	616	Below Cal #		88
76) 1,2,3-Trichloropropane	11.085	75	78952	20.664 ug/l #		38
81) trans-1,4-Dichloro-2-b...	11.085	75	78952	61.990 ug/l #		13
92) 1,2-Dibromo-3-Chloropr...	13.018	75	1029	1.036 ug/l #		1
95) Naphthalene	13.774	128	6402	0.557 ug/l		98

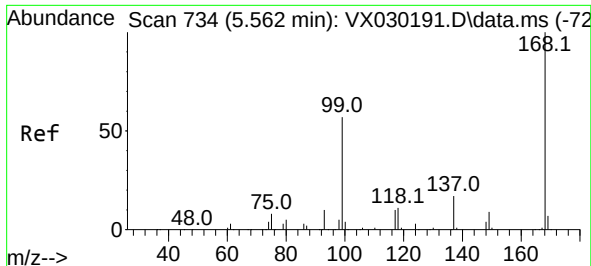
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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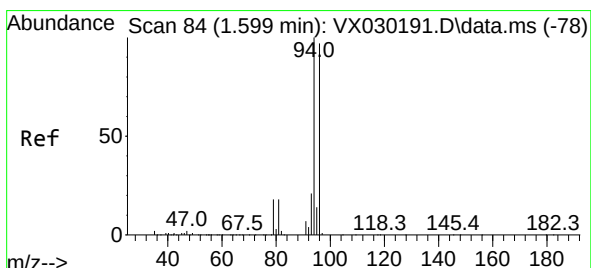
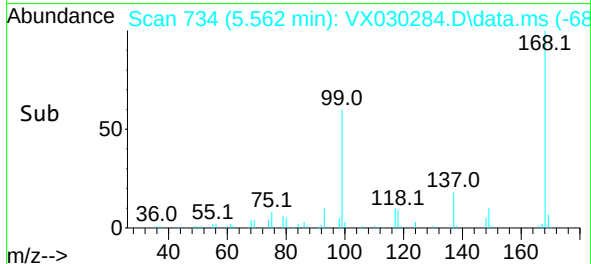
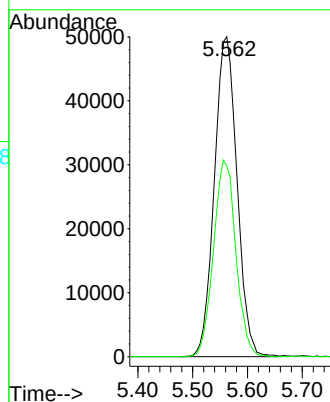
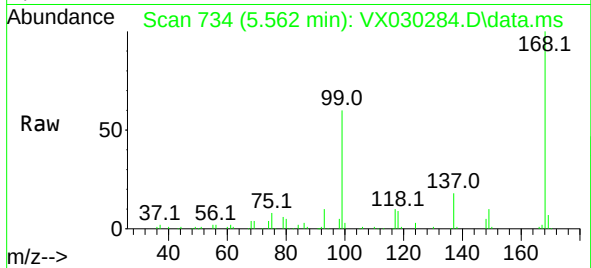




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX030284.D
Acq: 28 Jul 2022 20:53

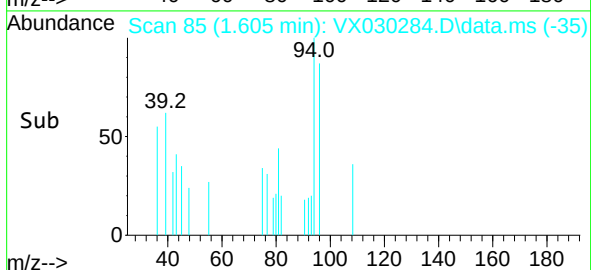
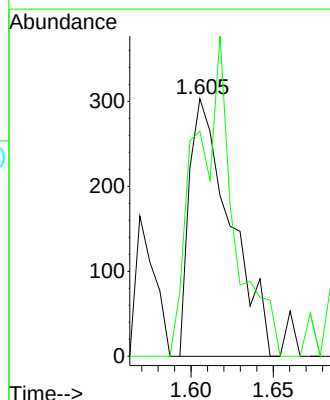
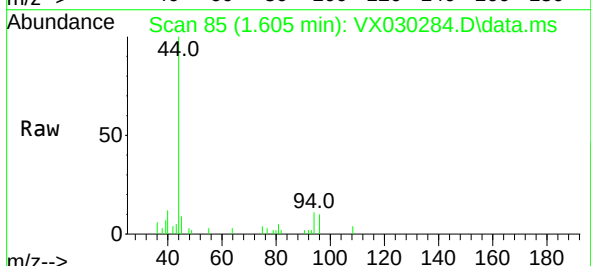
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MSVOA_X
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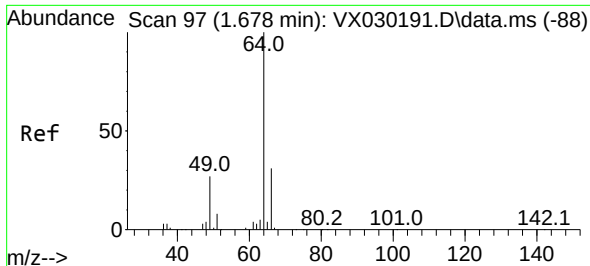
Tgt Ion:168 Resp: 143778
Ion Ratio Lower Upper
168 100
99 59.6 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX030284.D
Acq: 28 Jul 2022 20:53

Tgt Ion: 94 Resp: 523
Ion Ratio Lower Upper
94 100
96 87.5 76.9 115.3

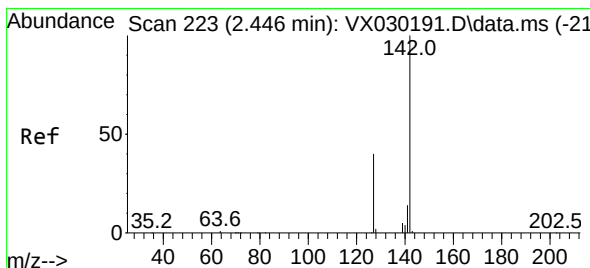
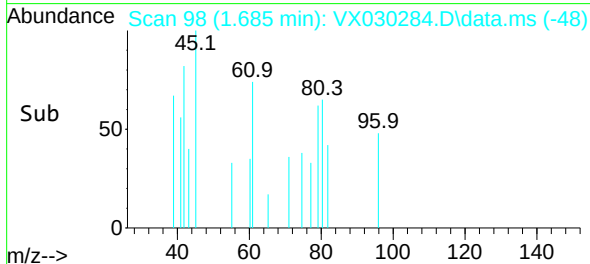
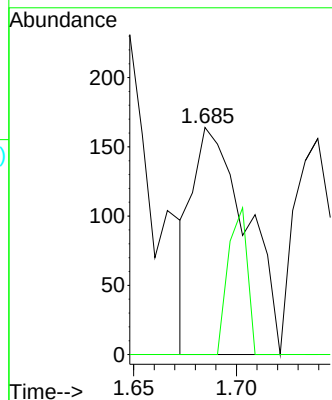
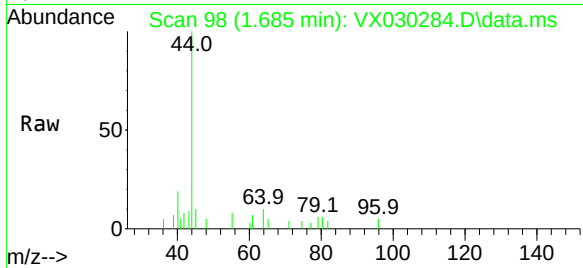




#6
Chloroethane
Concen: 0.223 ug/l
RT: 1.685 min Scan# 91
Delta R.T. 0.007 min
Lab File: VX030284.D
Acq: 28 Jul 2022 20:53

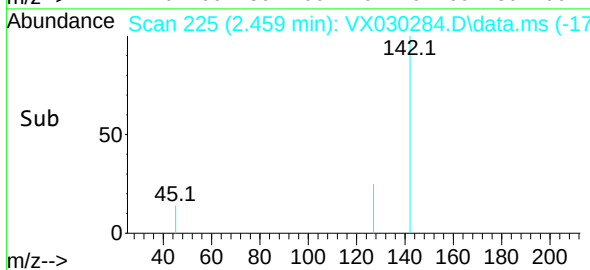
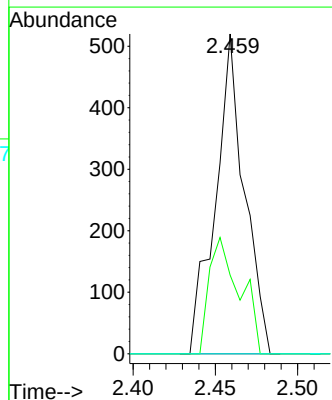
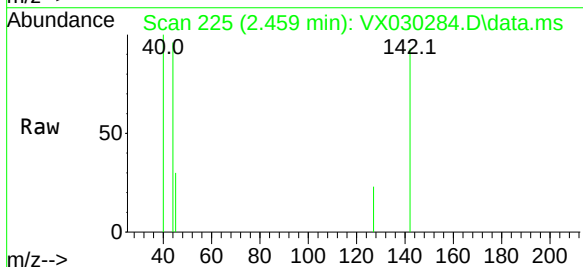
Instrument :
MSVOA_X
ClientSampleId :
61422-B

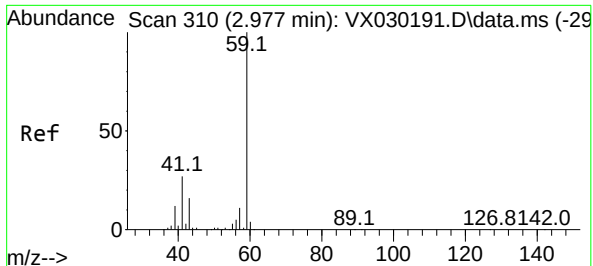
Tgt Ion: 64 Resp: 301
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 1.801 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.013 min
Lab File: VX030284.D
Acq: 28 Jul 2022 20:53

Tgt Ion: 142 Resp: 637
Ion Ratio Lower Upper
142 100
127 38.3 30.2 45.2
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 9.488 ug/l

RT: 2.971 min Scan# 30

Delta R.T. -0.006 min

Lab File: VX030284.D

Acq: 28 Jul 2022 20:53

Instrument :

MSVOA_X

ClientSampleId :

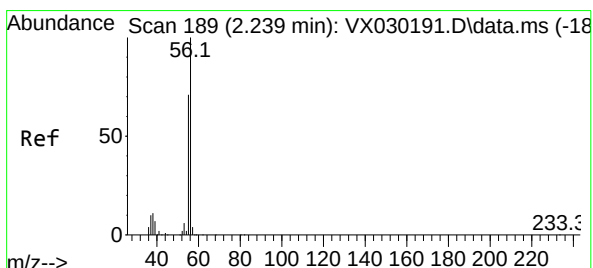
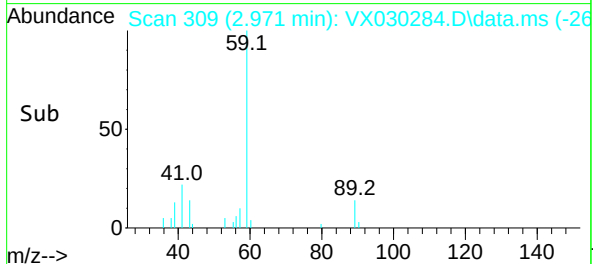
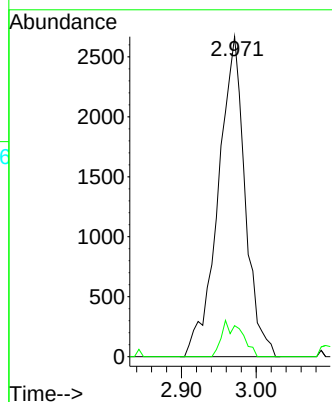
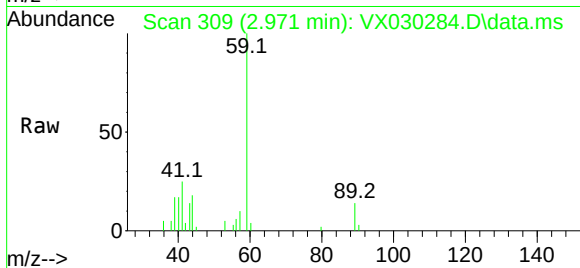
61422-B

Tgt Ion: 59 Resp: 6688

Ion Ratio Lower Upper

59 100

57 8.4 7.4 11.2



#13

Acrolein

Concen: 0.877 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX030284.D

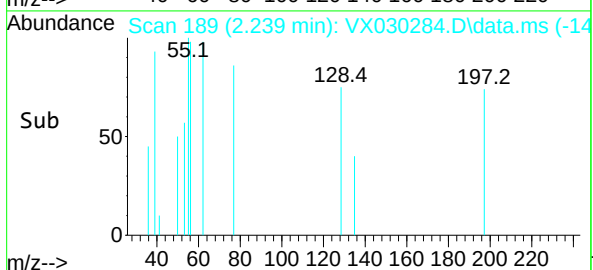
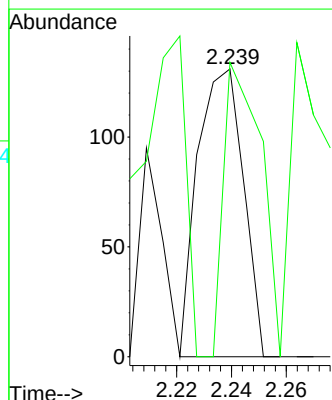
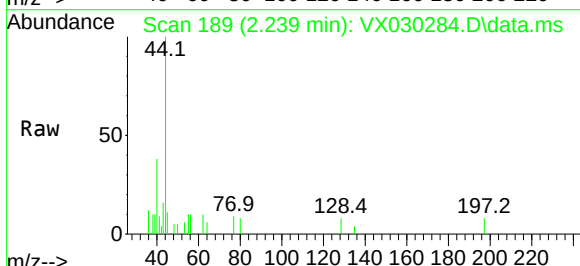
Acq: 28 Jul 2022 20:53

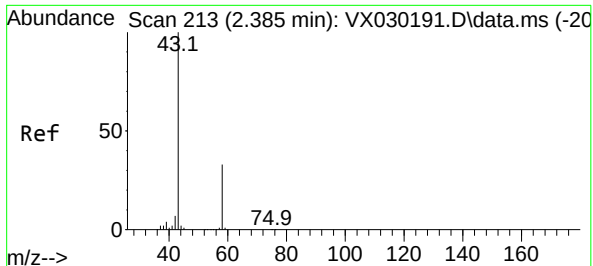
Tgt Ion: 56 Resp: 152

Ion Ratio Lower Upper

56 100

55 83.6 56.6 84.8

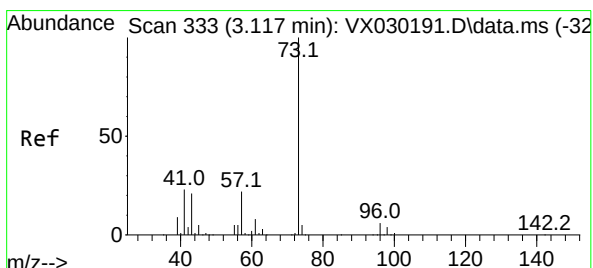
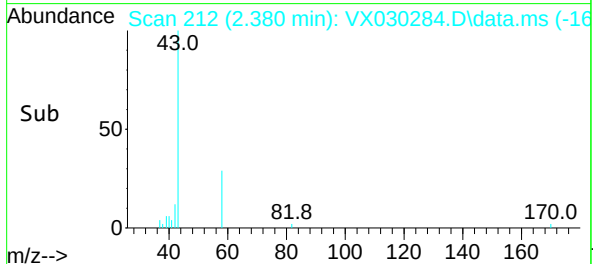
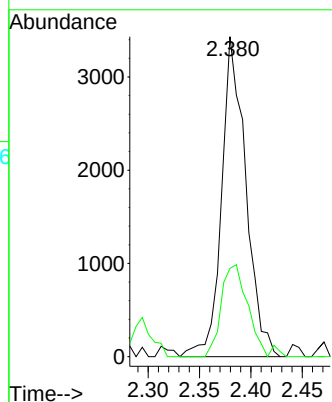
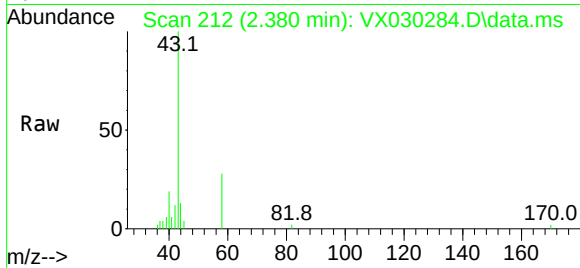




#16
Acetone
Concen: 3.803 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.005 min
Lab File: VX030284.D
Acq: 28 Jul 2022 20:53

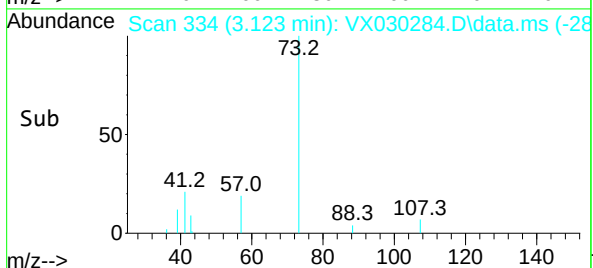
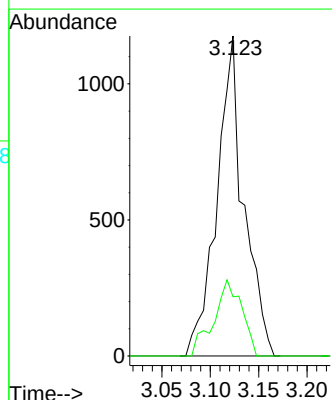
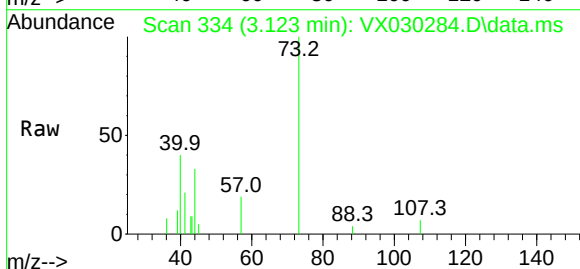
Instrument :
MSVOA_X
ClientSampleId :
61422-B

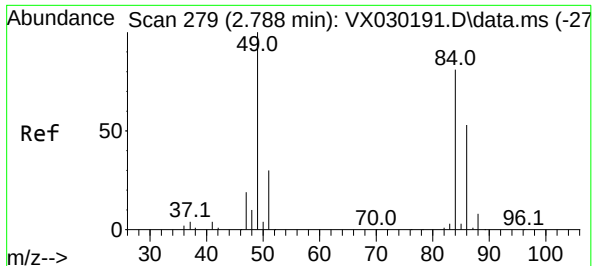
Tgt Ion: 43 Resp: 5627
Ion Ratio Lower Upper
43 100
58 27.6 27.7 41.5#



#19
Methyl tert-butyl Ether
Concen: 0.296 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.006 min
Lab File: VX030284.D
Acq: 28 Jul 2022 20:53

Tgt Ion: 73 Resp: 2274
Ion Ratio Lower Upper
73 100
57 18.5 19.0 28.6#

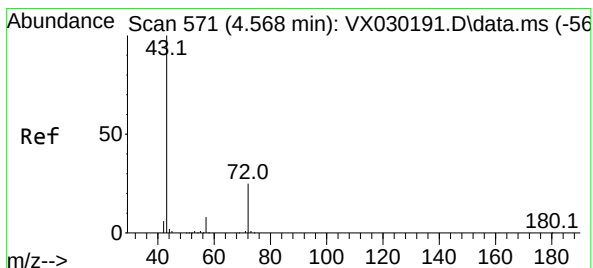
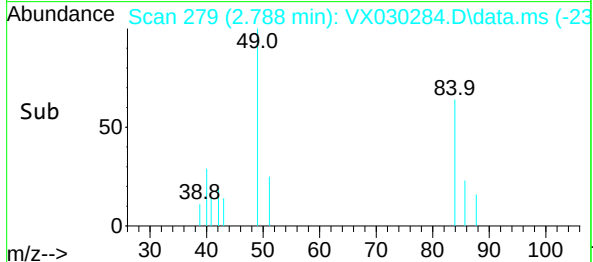
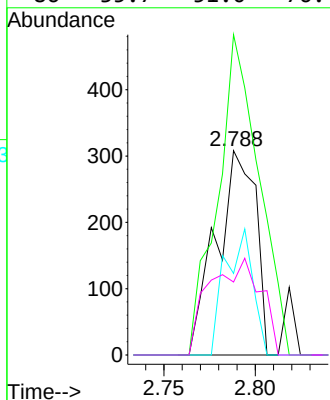
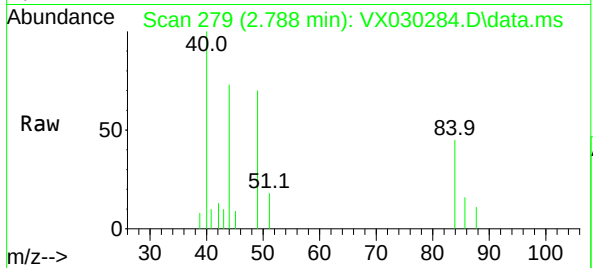




#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX030284.D
Acq: 28 Jul 2022 20:53

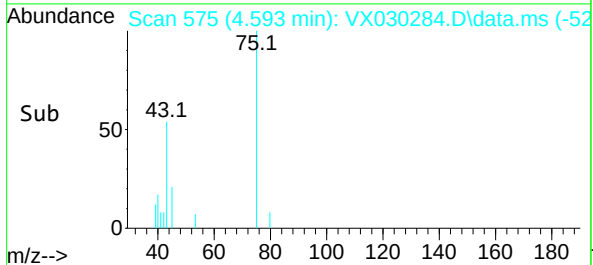
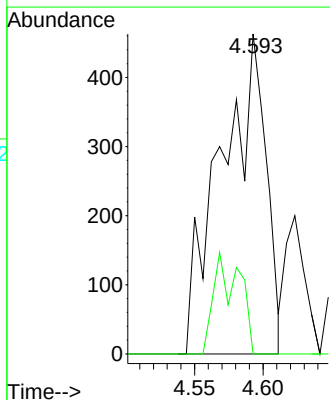
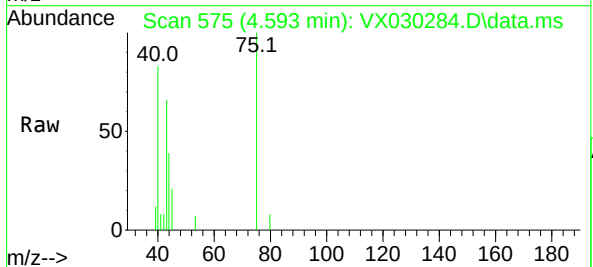
Instrument :
MSVOA_X
ClientSampleId :
61422-B

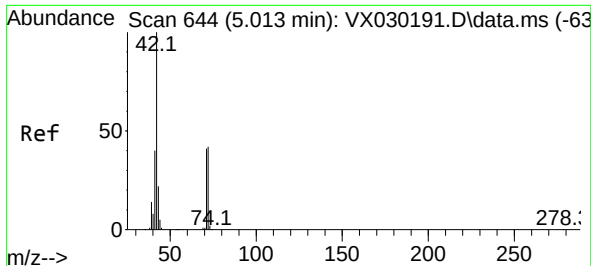
Tgt Ion:	84	Resp:	461
Ion	Ratio	Lower	Upper
84	100		
49	156.8	93.8	140.6#
51	39.9	29.4	44.0
86	35.7	51.0	76.4#



#25
2-Butanone
Concen: 0.424 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.025 min
Lab File: VX030284.D
Acq: 28 Jul 2022 20:53

Tgt Ion:	43	Resp:	1054
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.7	32.5#





#29

Tetrahydrofuran

Concen: 1.585 ug/l

RT: 5.044 min Scan# 644

Delta R.T. 0.031 min

Lab File: VX030284.D

Acq: 28 Jul 2022 20:53

Instrument :

MSVOA_X

ClientSampleId :

61422-B

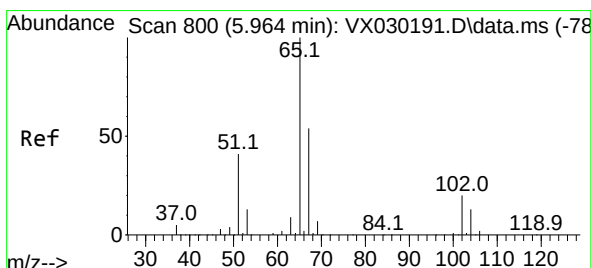
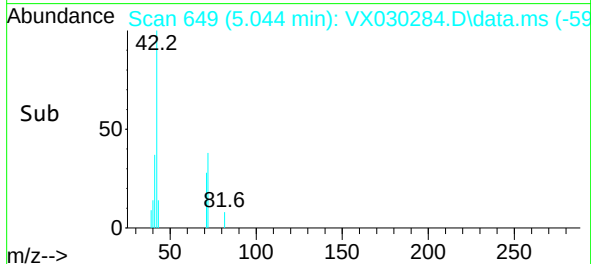
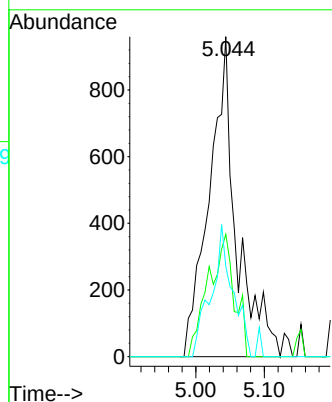
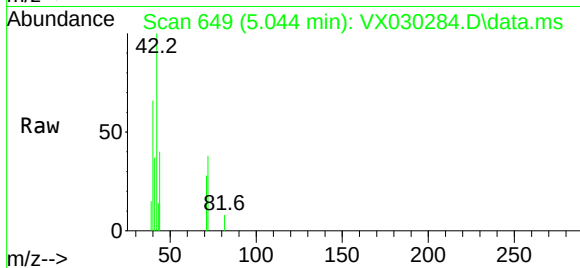
Tgt Ion: 42 Resp: 2652

Ion Ratio Lower Upper

42 100

72 36.5 36.5 54.7

71 32.6 33.9 50.9#



#33

1,2-Dichloroethane-d4

Concen: 51.475 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX030284.D

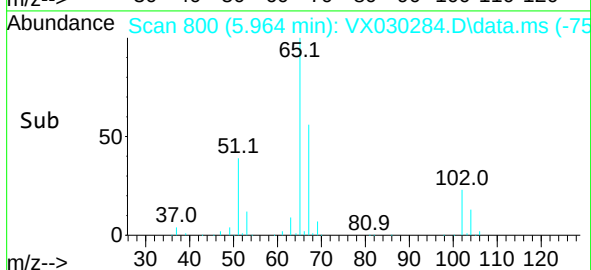
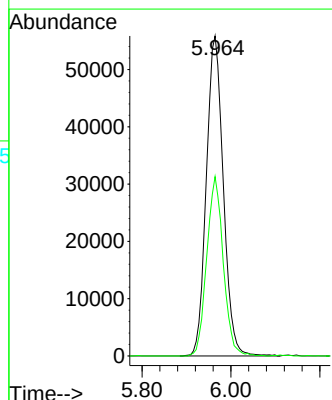
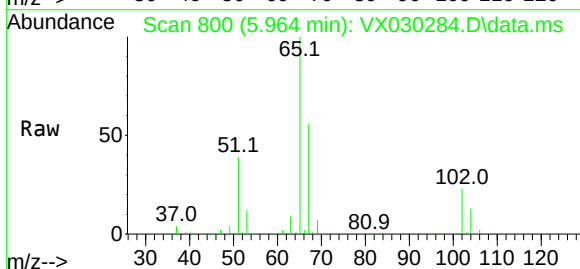
Acq: 28 Jul 2022 20:53

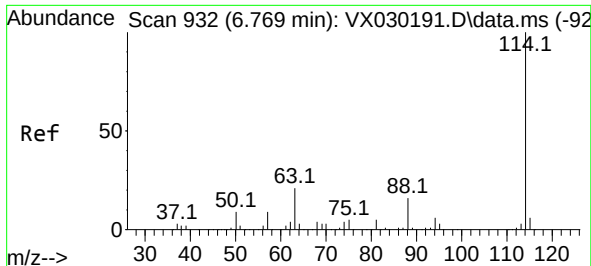
Tgt Ion: 65 Resp: 148756

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.6

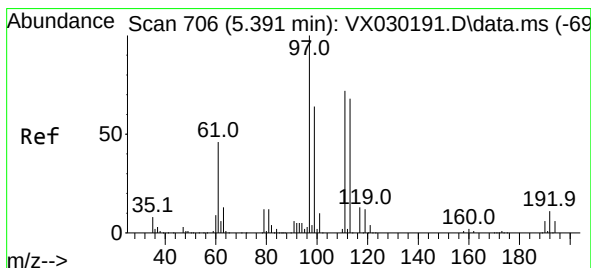
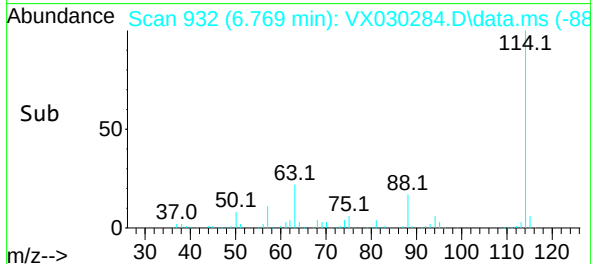
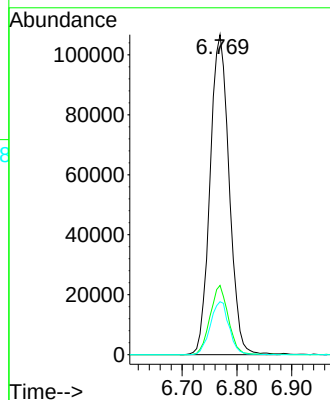
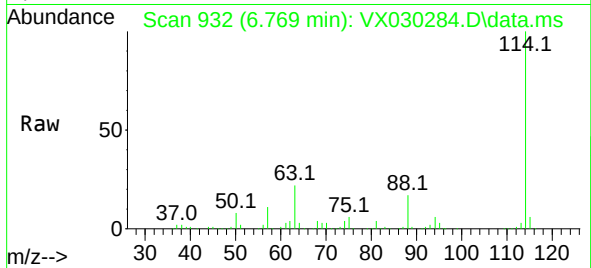




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX030284.D
 Acq: 28 Jul 2022 20:53

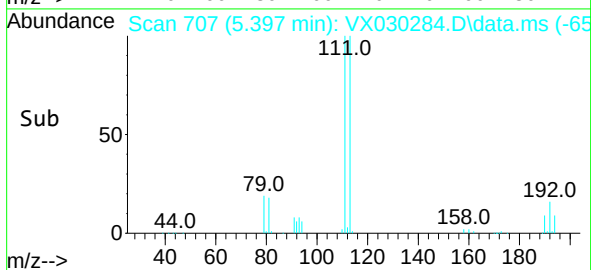
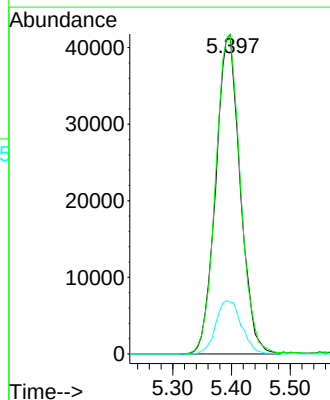
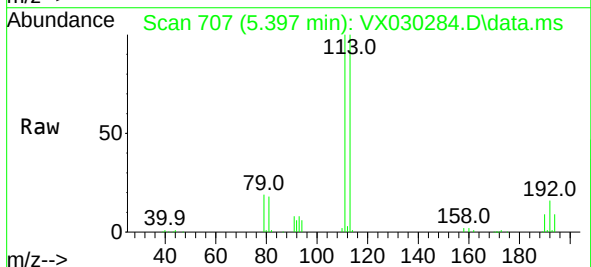
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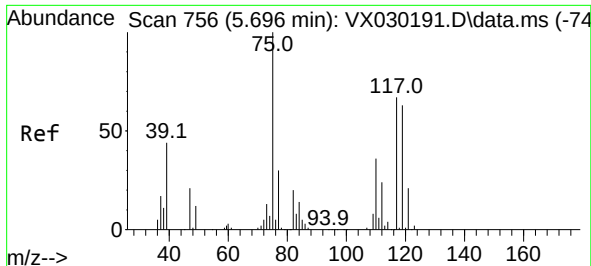
Tgt Ion:114 Resp: 257684
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 38.4
 88 16.6 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 48.783 ug/l
 RT: 5.397 min Scan# 707
 Delta R.T. 0.006 min
 Lab File: VX030284.D
 Acq: 28 Jul 2022 20:53

Tgt Ion:113 Resp: 120168
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.2 124.8
 192 17.6 14.8 22.2

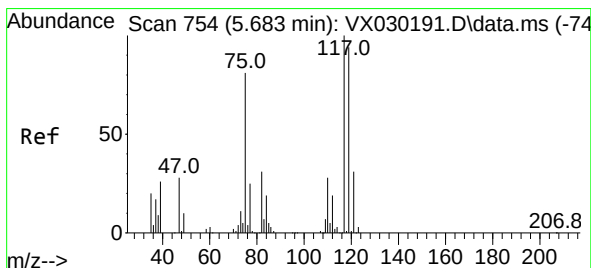
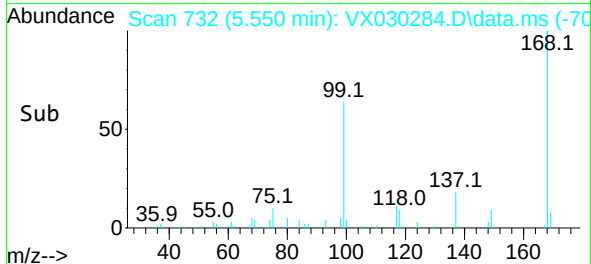
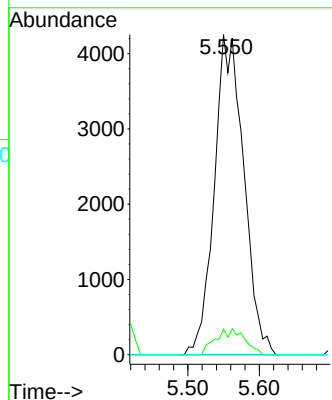
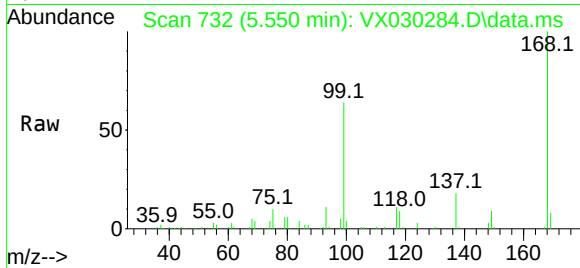




#36
1,1-Dichloropropene
Concen: 3.425 ug/l
RT: 5.550 min Scan# 714
Delta R.T. -0.146 min
Lab File: VX030284.D
Acq: 28 Jul 2022 20:53

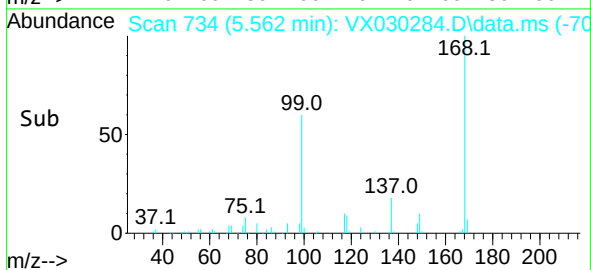
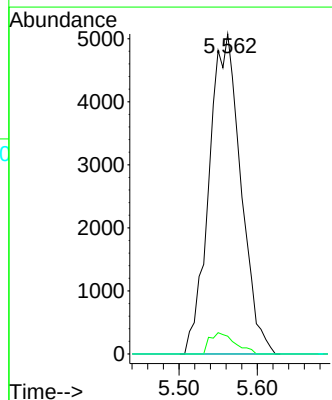
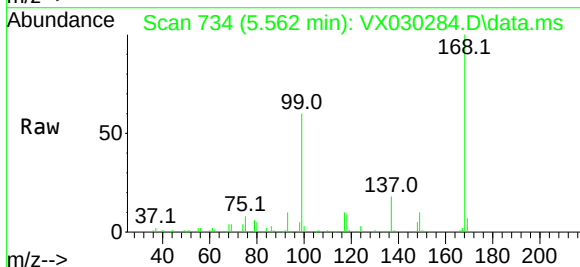
Instrument :
MSVOA_X
ClientSampleId :
61422-B

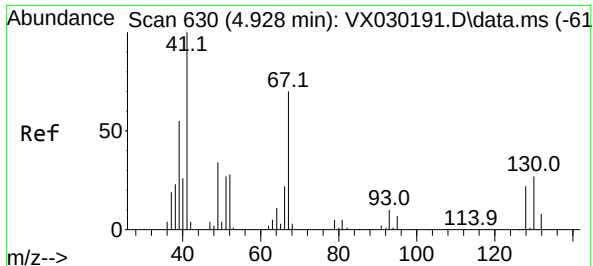
Tgt Ion: 75 Resp: 12140
Ion Ratio Lower Upper
75 100
110 8.0 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.325 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.121 min
Lab File: VX030284.D
Acq: 28 Jul 2022 20:53

Tgt Ion: 117 Resp: 14314
Ion Ratio Lower Upper
117 100
119 5.5 74.1 111.1#
121 0.0 25.8 38.8#

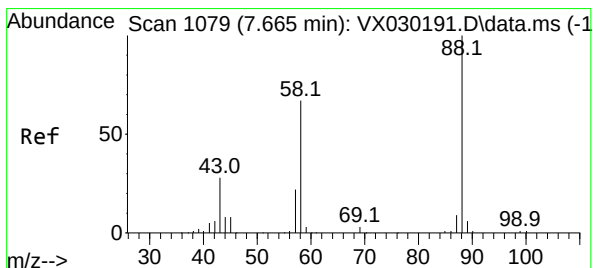
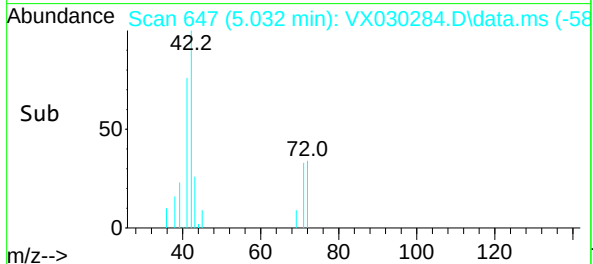
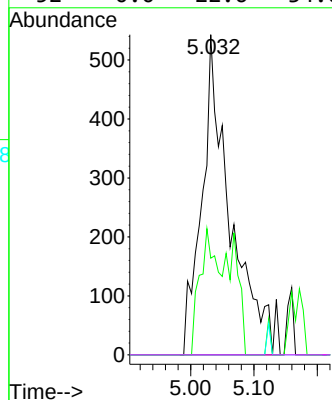
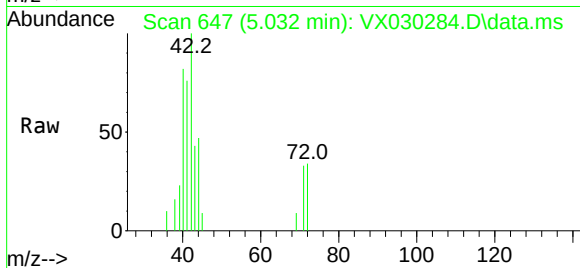




#41
Methacrylonitrile
Concen: 0.638 ug/l
RT: 5.032 min Scan# 641
Delta R.T. 0.104 min
Lab File: VX030284.D
Acq: 28 Jul 2022 20:53

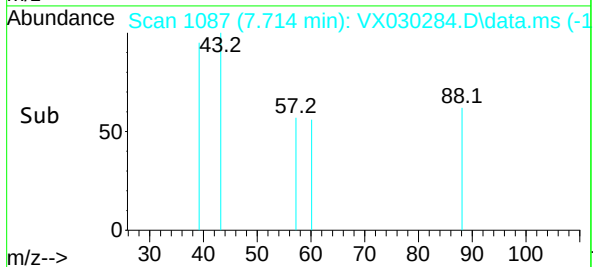
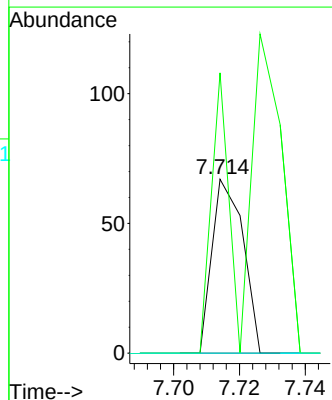
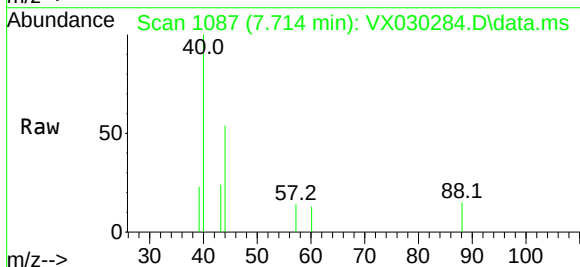
Instrument :
MSVOA_X
ClientSampleId :
61422-B

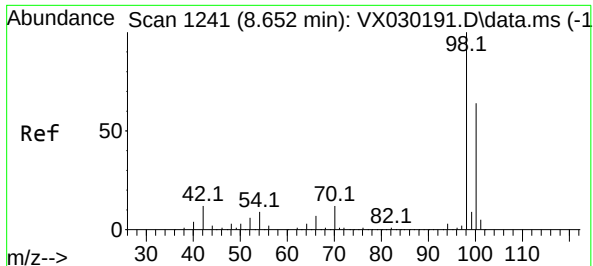
Tgt Ion:	41	Resp:	1718
Ion	Ratio	Lower	Upper
41	100		
39	25.5	42.9	64.3#
67	0.0	60.1	90.1#
52	0.0	22.6	34.0#



#49
1,4-Dioxane
Concen: 0.526 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.049 min
Lab File: VX030284.D
Acq: 28 Jul 2022 20:53

Tgt Ion:	88	Resp:	44
Ion	Ratio	Lower	Upper
88	100		
43	265.9	23.8	35.8#
58	0.0	53.8	80.6#

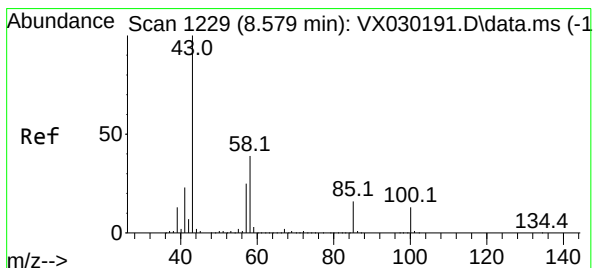
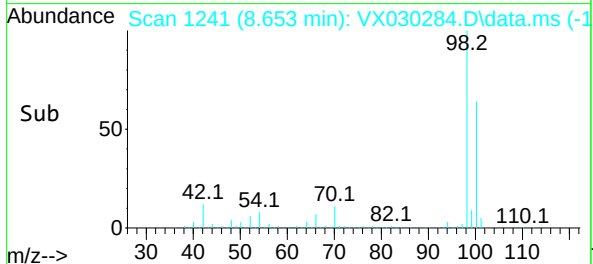
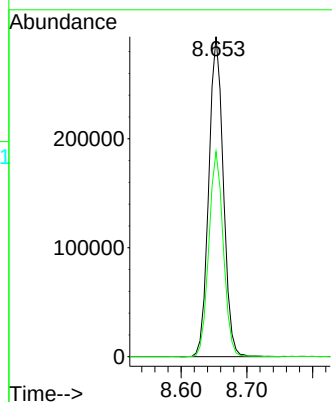
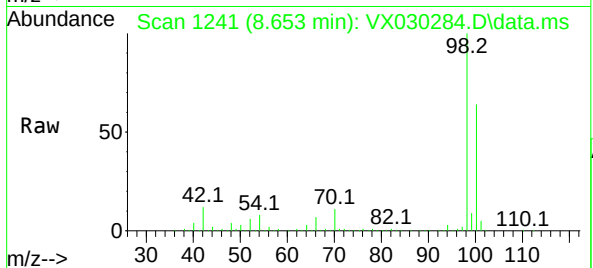




#50
Toluene-d8
Concen: 47.391 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX030284.D
Acq: 28 Jul 2022 20:53

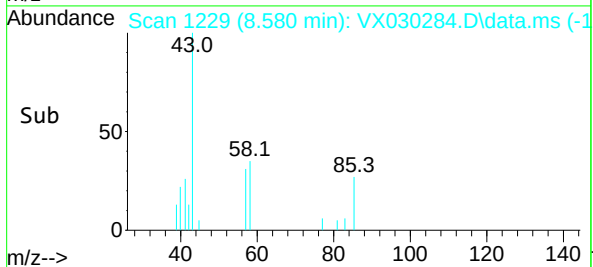
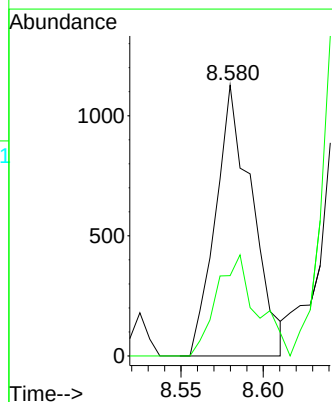
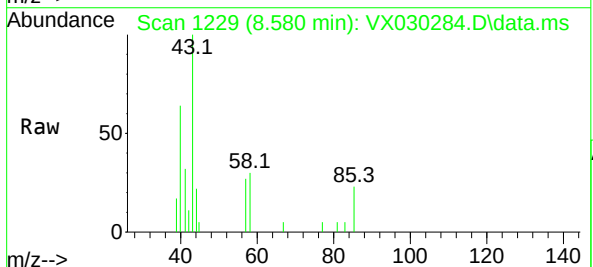
Instrument :
MSVOA_X
ClientSampleId :
61422-B

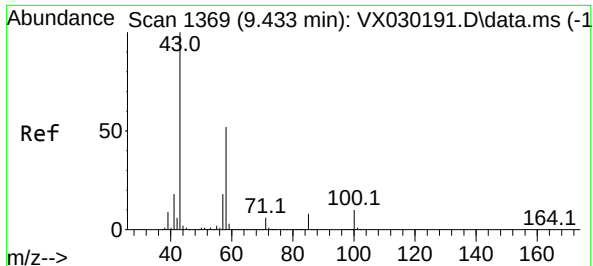
Tgt Ion: 98 Resp: 452087
Ion Ratio Lower Upper
98 100
100 63.6 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.350 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.001 min
Lab File: VX030284.D
Acq: 28 Jul 2022 20:53

Tgt Ion: 43 Resp: 1747
Ion Ratio Lower Upper
43 100
58 40.8 31.4 47.2





#59

2-Hexanone

Concen: 0.200 ug/l

RT: 9.458 min Scan# 11

Delta R.T. 0.025 min

Lab File: VX030284.D

Acq: 28 Jul 2022 20:53

Instrument :

MSVOA_X

ClientSampleId :

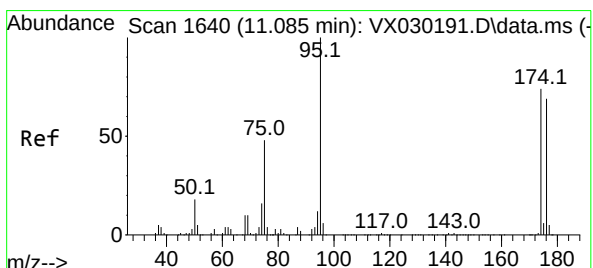
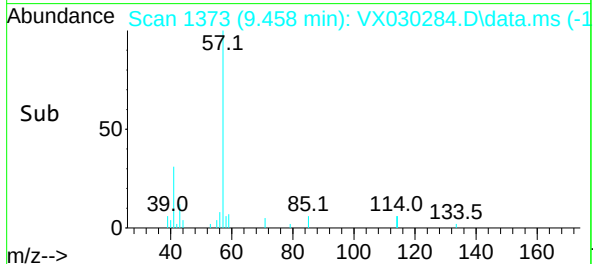
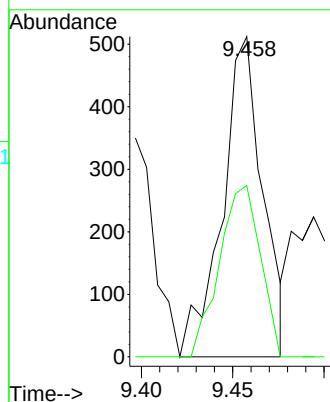
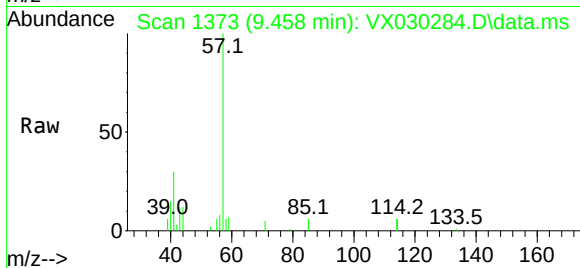
61422-B

Tgt Ion: 43 Resp: 789

Ion Ratio Lower Upper

43 100

58 54.1 27.6 82.8



#62

4-Bromofluorobenzene

Concen: 45.839 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX030284.D

Acq: 28 Jul 2022 20:53

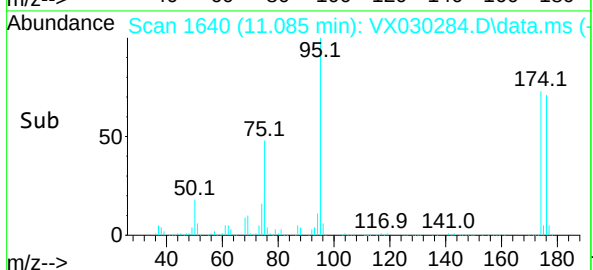
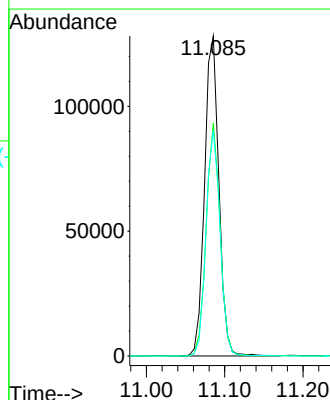
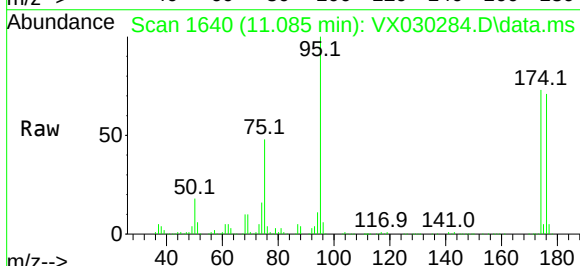
Tgt Ion: 95 Resp: 162288

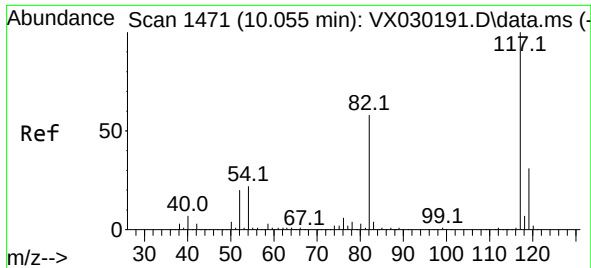
Ion Ratio Lower Upper

95 100

174 70.7 0.0 149.0

176 69.2 0.0 146.0

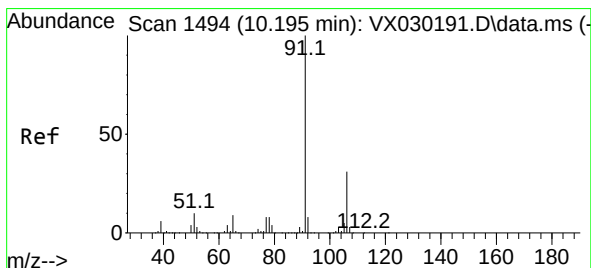
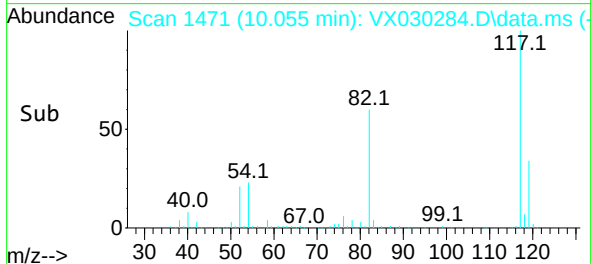
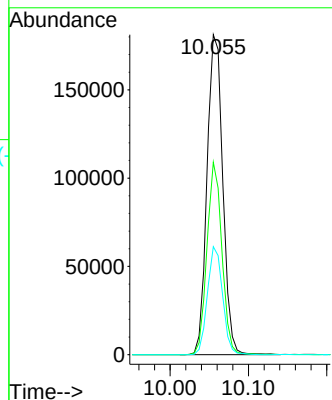
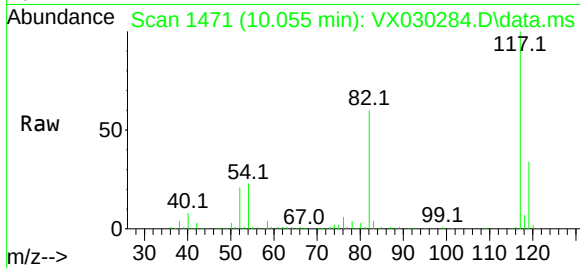




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030284.D
Acq: 28 Jul 2022 20:53

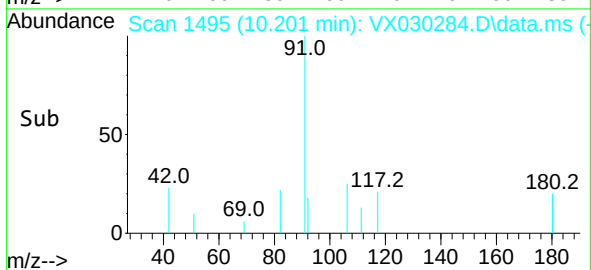
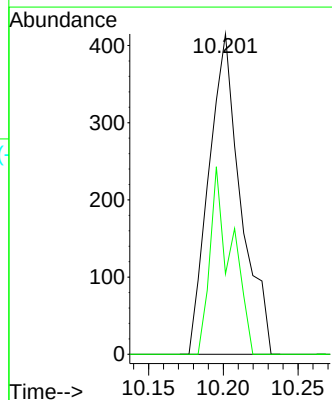
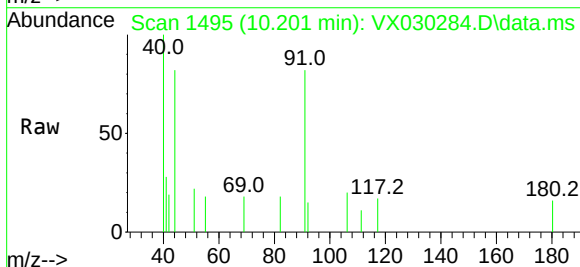
Instrument :
MSVOA_X
ClientSampleId :
61422-B

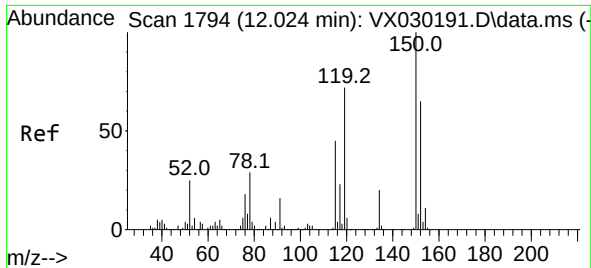
Tgt Ion:117 Resp: 252658
Ion Ratio Lower Upper
117 100
82 60.2 42.7 64.1
119 33.8 25.4 38.2



#67
Ethyl Benzene
Concen: Below Cal
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX030284.D
Acq: 28 Jul 2022 20:53

Tgt Ion: 91 Resp: 616
Ion Ratio Lower Upper
91 100
106 25.1 25.5 38.3#

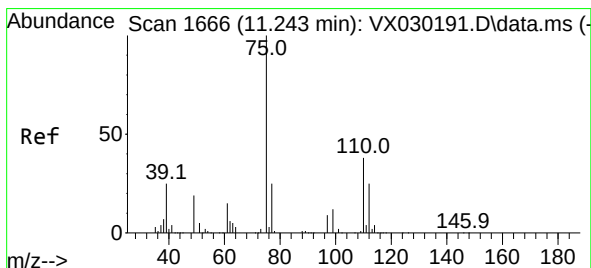
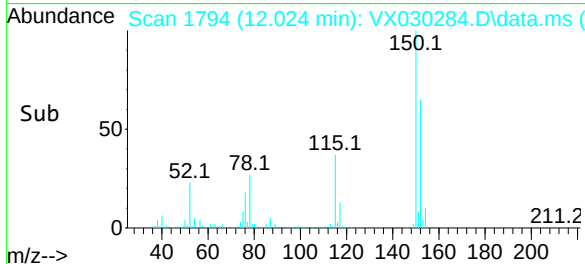
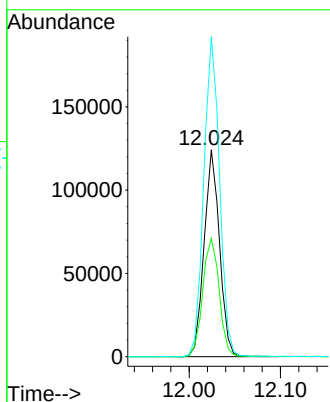
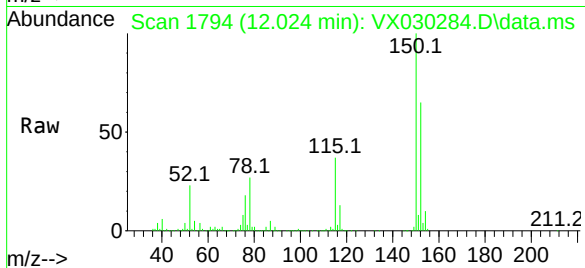




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030284.D
 Acq: 28 Jul 2022 20:53

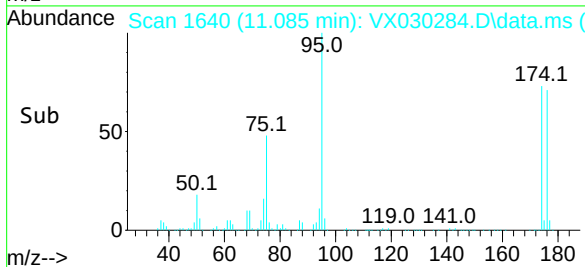
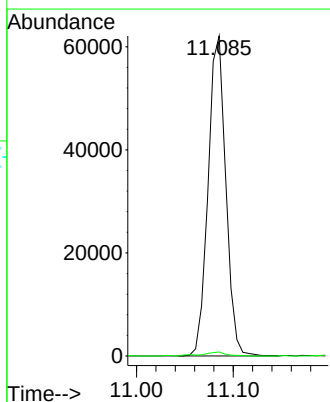
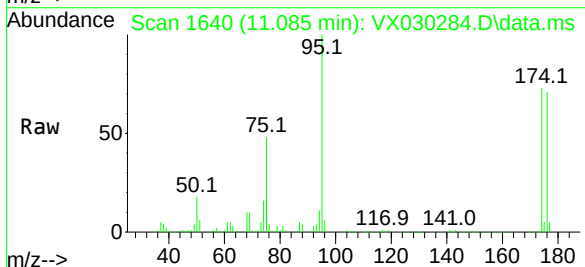
Instrument :
 MSVOA_X
 ClientSampleId :
 61422-B

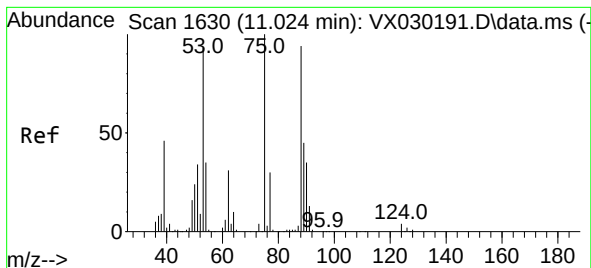
Tgt Ion:152 Resp: 144949
 Ion Ratio Lower Upper
 152 100
 115 60.8 40.5 121.5
 150 158.5 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 20.664 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.158 min
 Lab File: VX030284.D
 Acq: 28 Jul 2022 20:53

Tgt Ion: 75 Resp: 78952
 Ion Ratio Lower Upper
 75 100
 77 1.7 19.8 59.3#

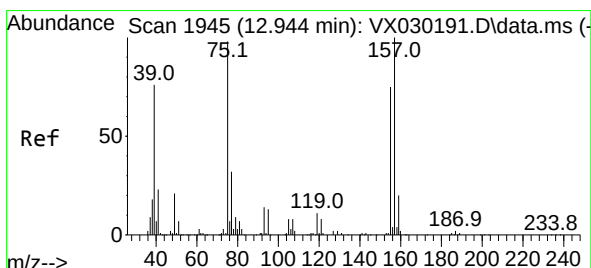
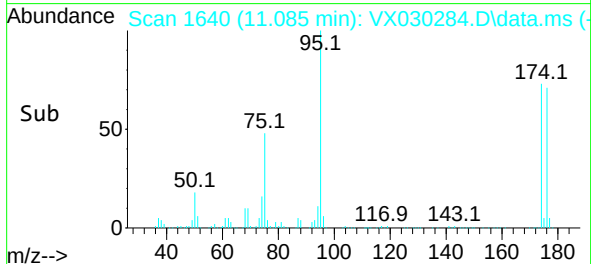
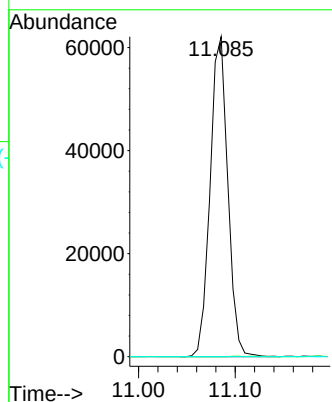
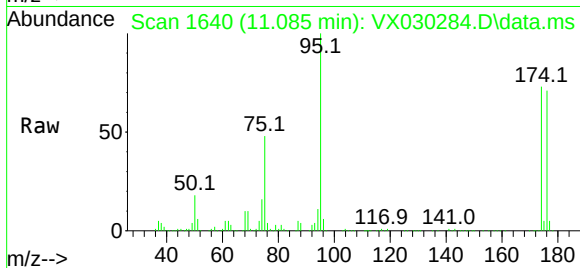




#81
trans-1,4-Dichloro-2-butene
Concen: 61.990 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX030284.D
Acq: 28 Jul 2022 20:53

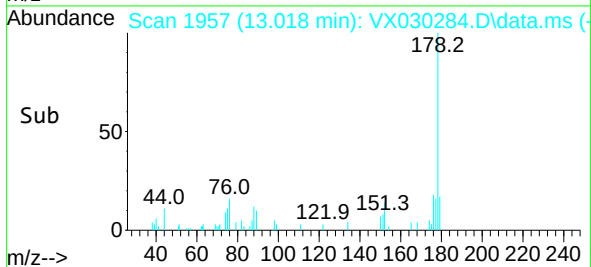
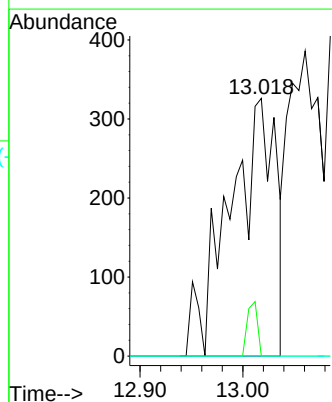
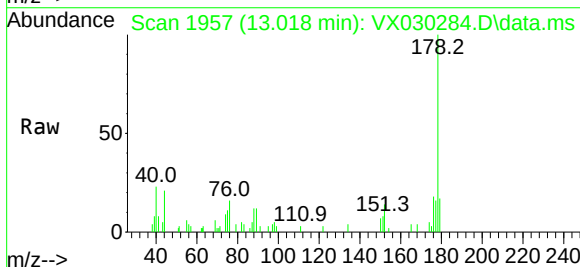
Instrument :
MSVOA_X
ClientSampleId :
61422-B

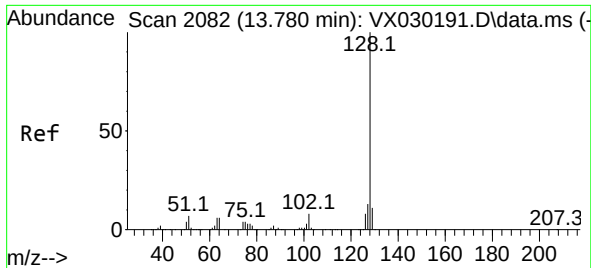
Tgt Ion: 75 Resp: 78952
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.8 52.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.036 ug/l
RT: 13.018 min Scan# 1957
Delta R.T. 0.074 min
Lab File: VX030284.D
Acq: 28 Jul 2022 20:53

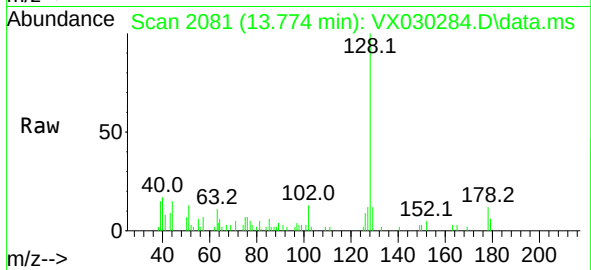
Tgt Ion: 75 Resp: 1029
Ion Ratio Lower Upper
75 100
155 4.6 45.0 134.8#
157 0.0 56.9 170.7#





#95
 Naphthalene
 Concen: 0.557 ug/l
 RT: 13.774 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VX030284.D
 Acq: 28 Jul 2022 20:53

Instrument :
 MSVOA_X
 ClientSampleId :
 61422-B



Tgt Ion:128 Resp: 6402
 Ion Ratio Lower Upper
 128 100
 127 12.4 10.2 15.2
 129 9.2 8.6 13.0

