

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051022\
 Data File : VX028602.D
 Acq On : 10 May 2022 18:18
 Operator : JC/MD
 Sample : N2749-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

Quant Time: May 11 07:03:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

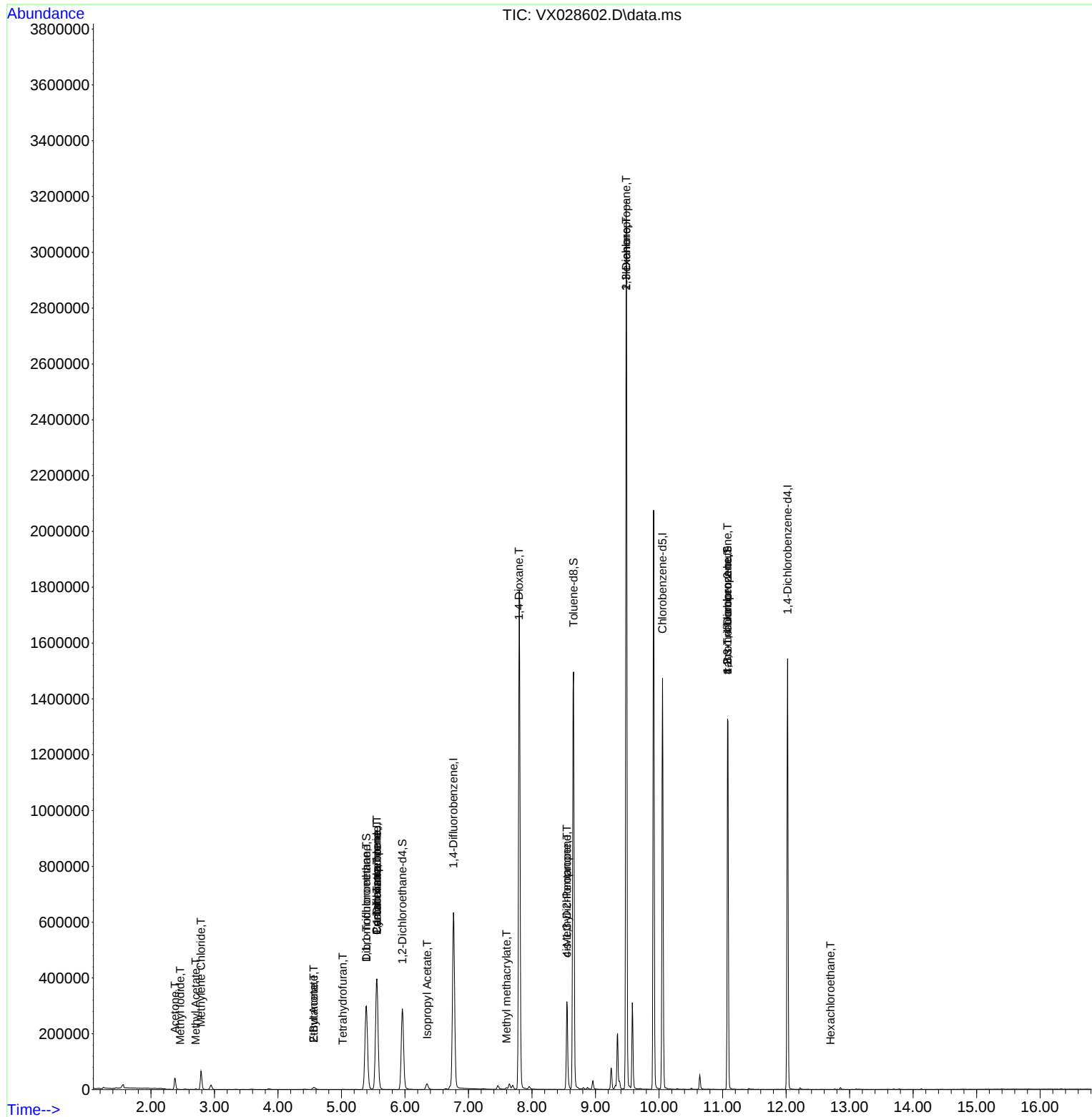
Internal Standards						
1) Pentafluorobenzene	5.556	168	399395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	675153	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	670974	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	323286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	273174	52.456	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.920%			
35) Dibromofluoromethane	5.391	113	256229	54.116	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 108.240%			
50) Toluene-d8	8.653	98	929998	51.140	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.280%			
62) 4-Bromofluorobenzene	11.079	95	346714	49.863	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 99.720%			
Target Compounds					Qvalue	
3) Chloromethane	1.288	50	305	Below Cal	#	42
5) Bromomethane	1.611	94	701	Below Cal	#	67
6) Chloroethane	1.672	64	334	Below Cal	#	43
8) Diethyl Ether	2.215	74	23	Below Cal	#	7
10) Methyl Iodide	2.459	142	252	5.285 ug/l	#	41
11) Tert butyl alcohol	2.947	59	8628	Below Cal	#	72
16) Acetone	2.380	43	43360	26.010 ug/l		93
18) Methyl Acetate	2.703	43	2538	0.548 ug/l		95
20) Methylene Chloride	2.788	84	29306	7.584 ug/l		98
25) 2-Butanone	4.562	43	8887	2.881 ug/l		97
29) Tetrahydrofuran	5.019	42	439	0.218 ug/l	#	79
31) Cyclohexane	5.556	56	7707	1.215 ug/l	#	23
32) 1,1,1-Trichloroethane	5.391	97	5166	0.686 ug/l	#	49
36) 1,1-Dichloropropene	5.556	75	27600	4.469 ug/l	#	50
37) Ethyl Acetate	4.562	43	8887	1.418 ug/l	#	66
38) Carbon Tetrachloride	5.556	117	38177	5.476 ug/l	#	14
43) Isopropyl Acetate	6.348	43	28659	2.810 ug/l		97
48) Methyl methacrylate	7.598	41	8392	1.792 ug/l	#	7
49) 1,4-Dioxane	7.793	88	327	2.610 ug/l	#	1
51) 4-Methyl-2-Pentanone	8.549	43	103246	15.775 ug/l	#	45
54) cis-1,3-Dichloropropene	8.549	75	53653	7.046 ug/l	#	68
57) 1,3-Dichloropropane	9.482	76	29961	3.637 ug/l	#	43
59) 2-Hexanone	9.482	43	339335	66.932 ug/l	#	45
76) 1,2,3-Trichloropropane	11.079	75	173649	27.293 ug/l	#	38
81) trans-1,4-Dichloro-2-b...	11.079	75	173649	81.107 ug/l	#	15
90) Hexachloroethane	12.701	117	25	1.820 ug/l	#	10

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

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TP-2

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Quant Title : SW846 8260
QLast Update : Tue Apr 19 13:38:04 2022
Response via : Initial Calibration

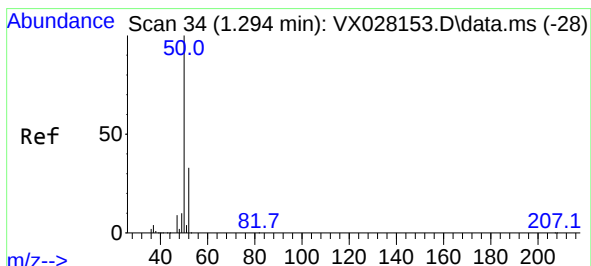
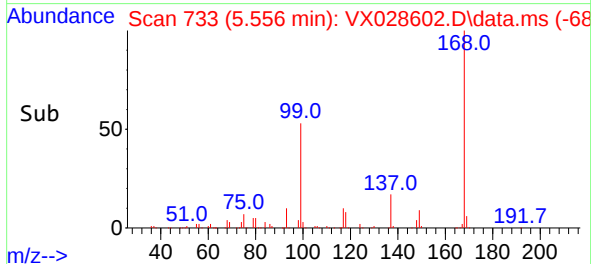
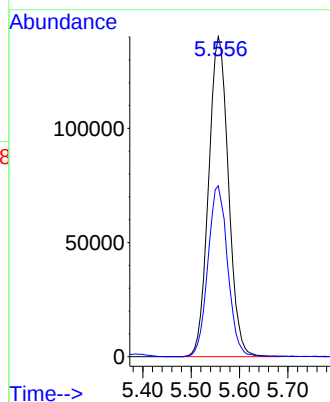
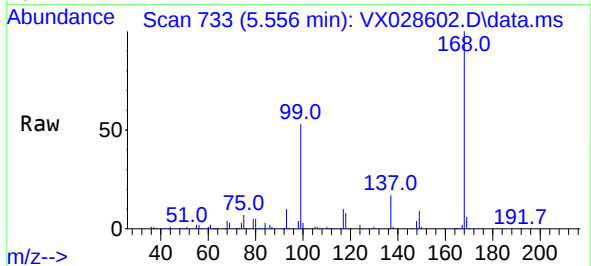




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

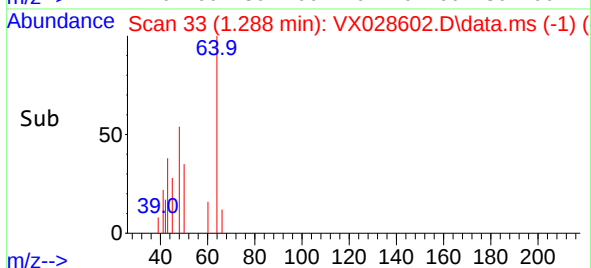
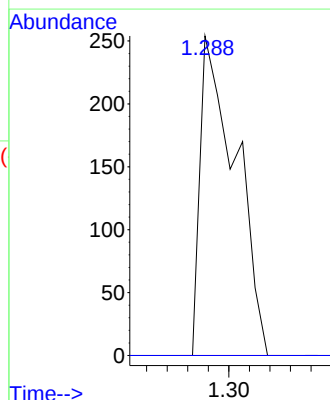
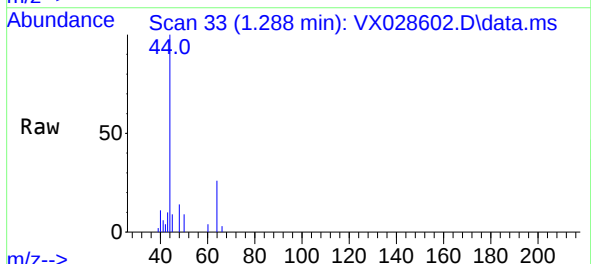
Instrument :
MSVOA_X
ClientSampleId :
TP-2

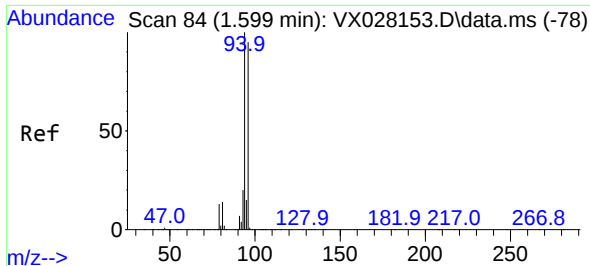
Tgt Ion:168 Resp: 399395
Ion Ratio Lower Upper
168 100
99 53.4 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

Tgt Ion: 50 Resp: 305
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

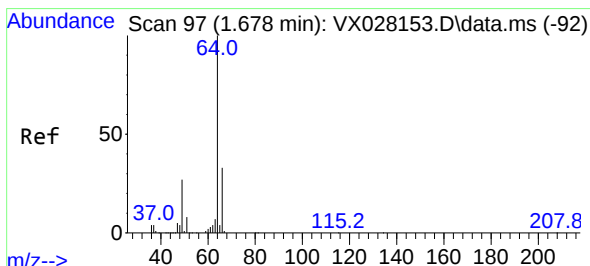
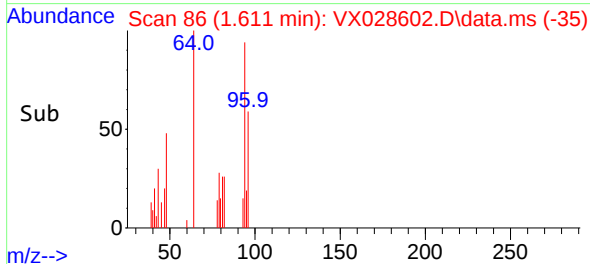
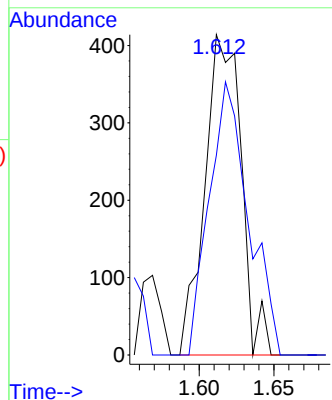
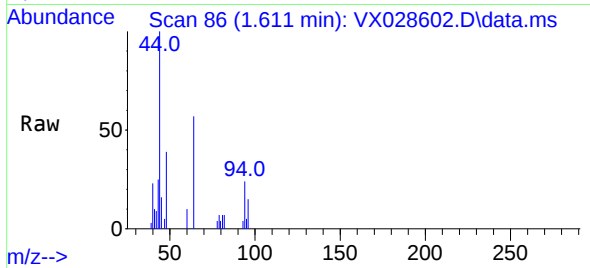




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

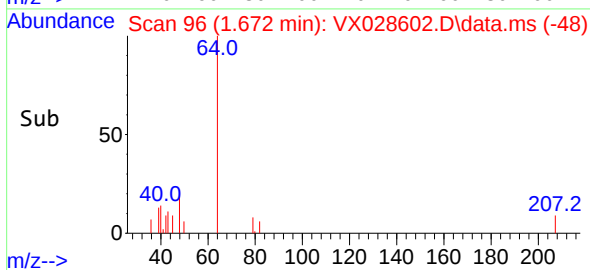
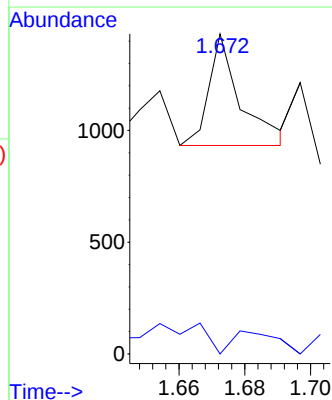
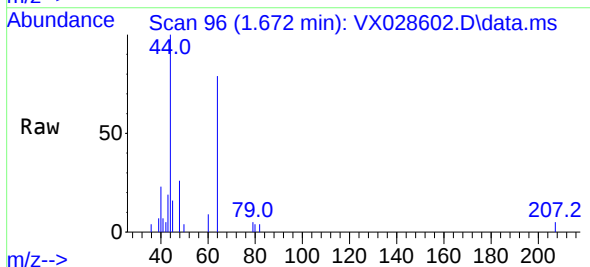
Instrument :
MSVOA_X
ClientSampleId :
TP-2

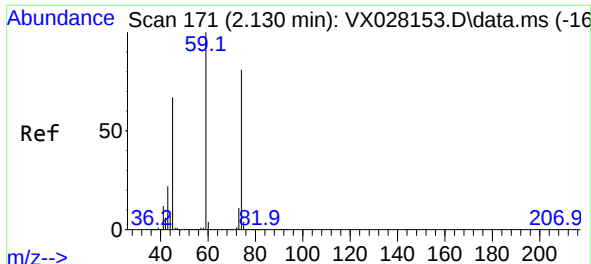
Tgt Ion: 94 Resp: 701
Ion Ratio Lower Upper
94 100
96 62.3 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

Tgt Ion: 64 Resp: 334
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

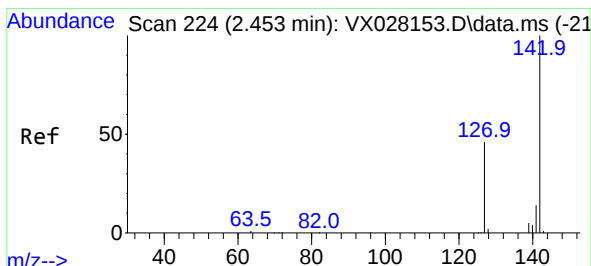
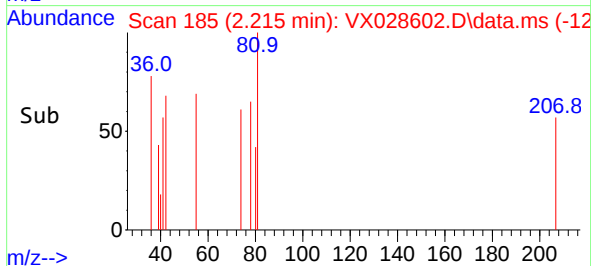
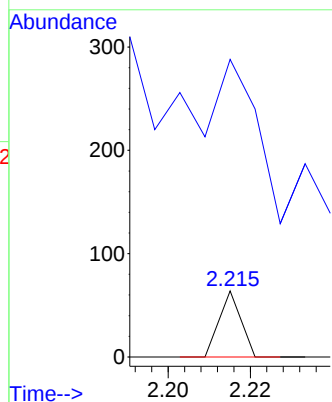
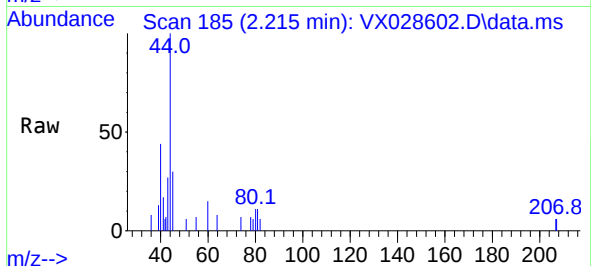




#8
Diethyl Ether
Concen: Below Cal
RT: 2.215 min Scan# 11
Delta R.T. 0.085 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

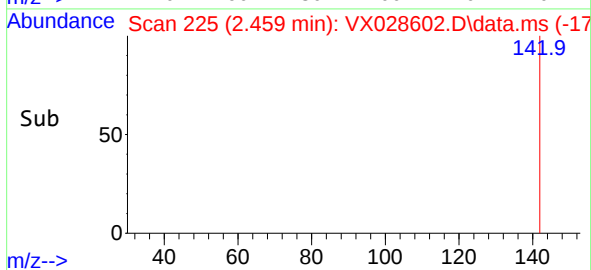
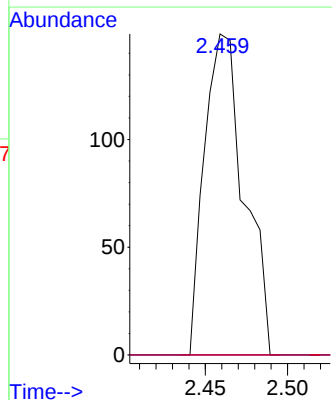
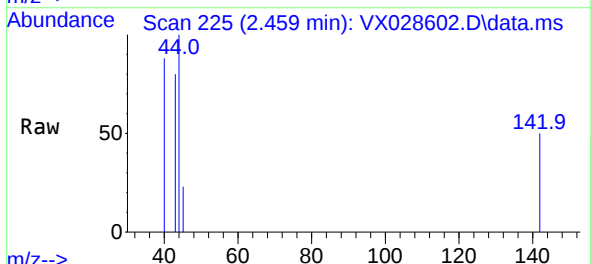
Instrument :
MSVOA_X
ClientSampleId :
TP-2

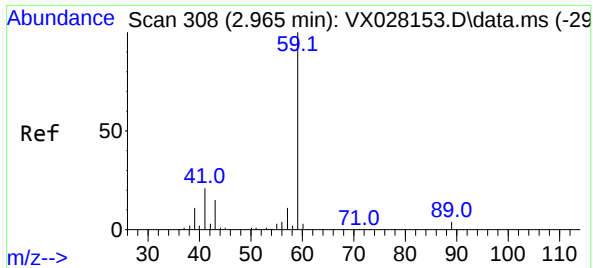
Tgt Ion: 74 Resp: 23
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.285 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

Tgt Ion: 142 Resp: 252
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 308

Delta R.T. -0.018 min

Lab File: VX028602.D

Acq: 10 May 2022 18:18

Instrument :

MSVOA_X

ClientSampleId :

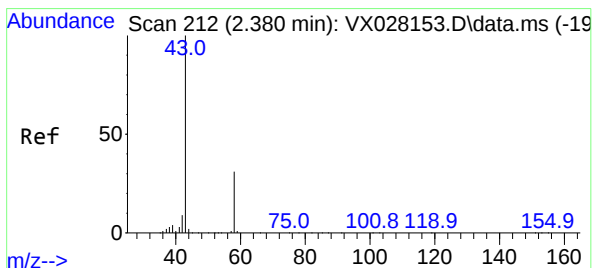
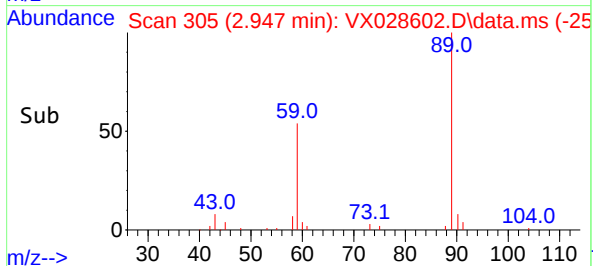
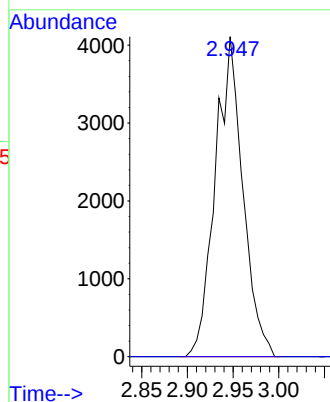
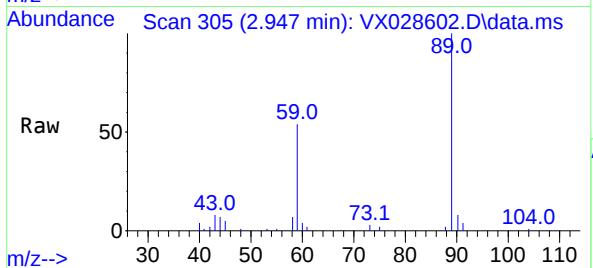
TP-2

Tgt Ion: 59 Resp: 8628

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 26.010 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX028602.D

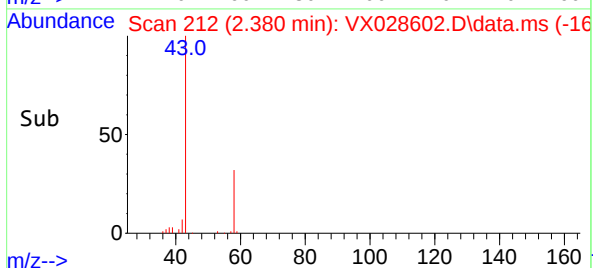
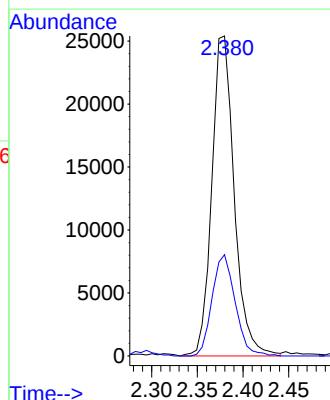
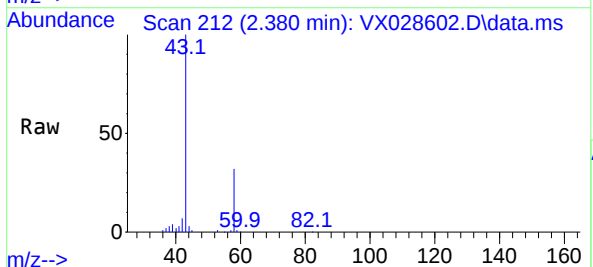
Acq: 10 May 2022 18:18

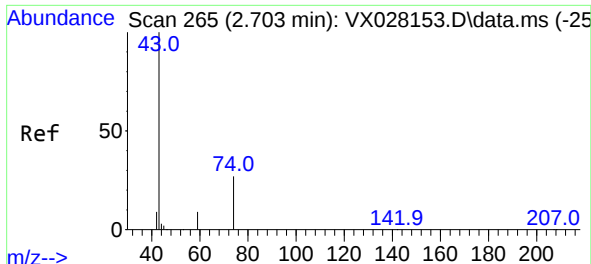
Tgt Ion: 43 Resp: 43360

Ion Ratio Lower Upper

43 100

58 31.7 28.8 43.2





#18

Methyl Acetate

Concen: 0.548 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.000 min

Lab File: VX028602.D

Acq: 10 May 2022 18:18

Instrument :

MSVOA_X

ClientSampleId :

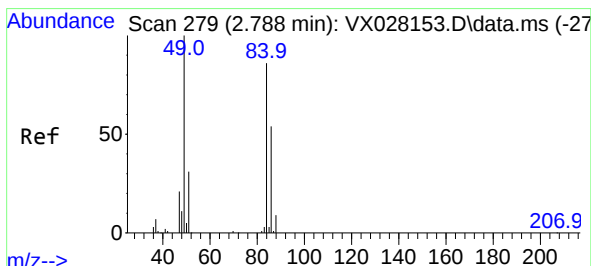
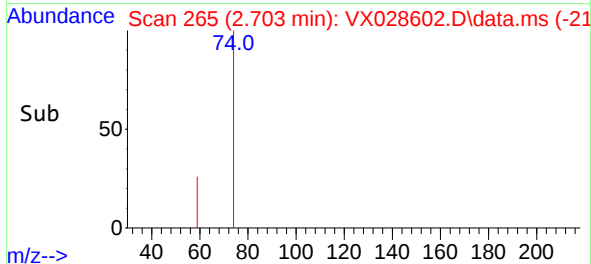
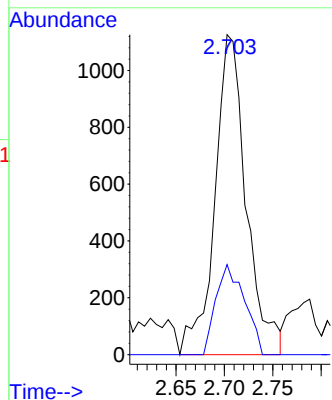
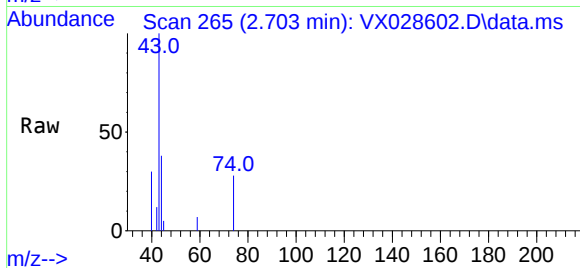
TP-2

Tgt Ion: 43 Resp: 2538

Ion Ratio Lower Upper

43 100

74 25.7 22.8 34.2



#20

Methylene Chloride

Concen: 7.584 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX028602.D

Acq: 10 May 2022 18:18

Tgt Ion: 84 Resp: 29306

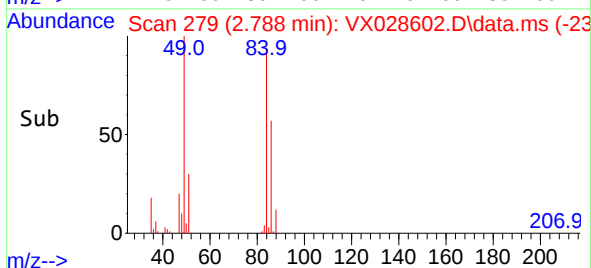
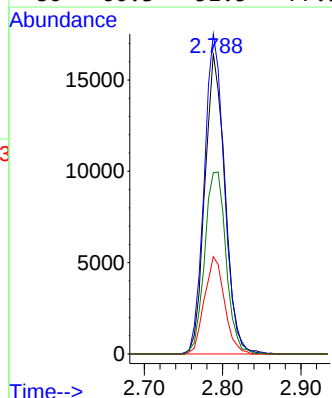
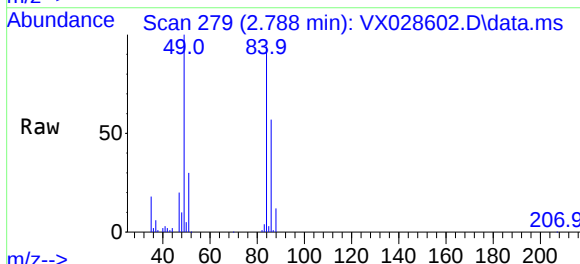
Ion Ratio Lower Upper

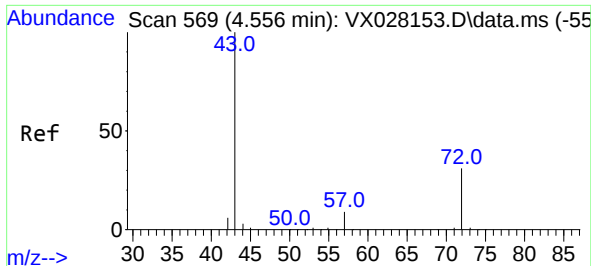
84 100

49 106.5 85.5 128.3

51 32.4 26.6 39.8

86 60.3 51.5 77.3





#25

2-Butanone

Concen: 2.881 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX028602.D

Acq: 10 May 2022 18:18

Instrument :

MSVOA_X

ClientSampleId :

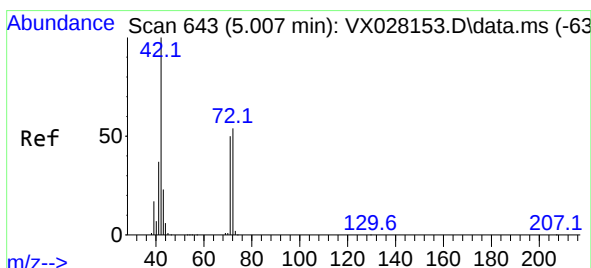
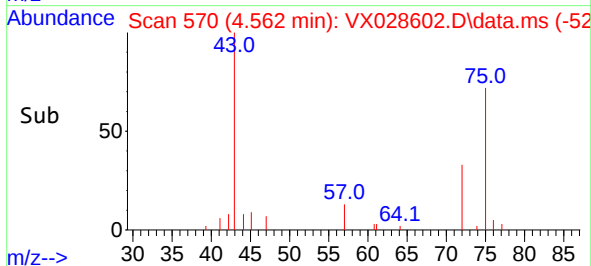
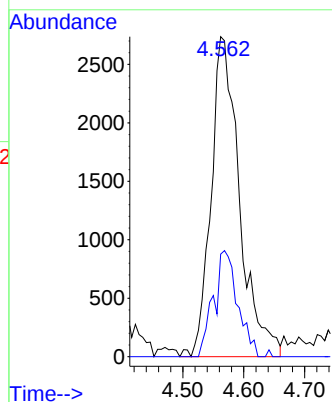
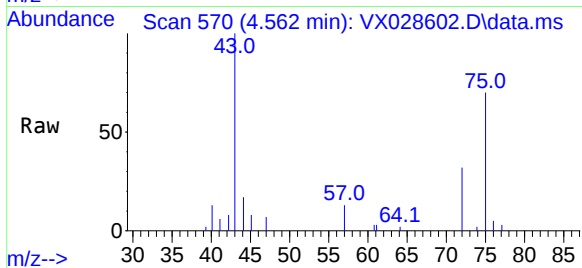
TP-2

Tgt Ion: 43 Resp: 8887

Ion Ratio Lower Upper

43 100

72 32.0 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.218 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.012 min

Lab File: VX028602.D

Acq: 10 May 2022 18:18

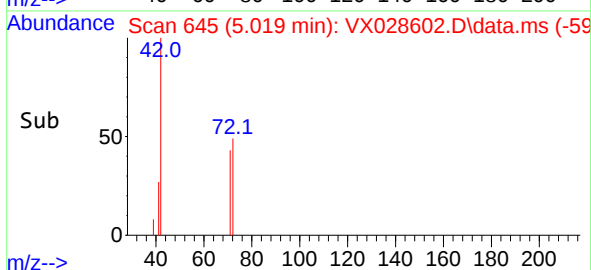
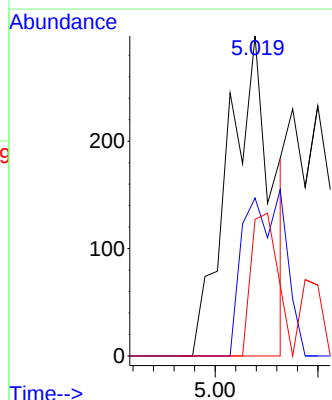
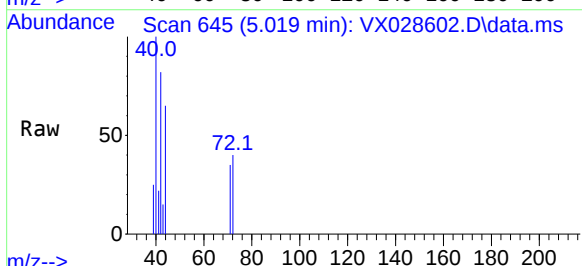
Tgt Ion: 42 Resp: 439

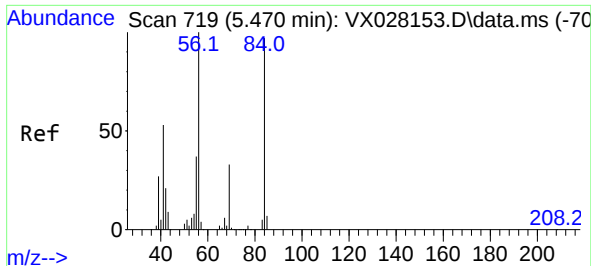
Ion Ratio Lower Upper

42 100

72 49.0 44.1 66.1

71 27.1 40.5 60.7#

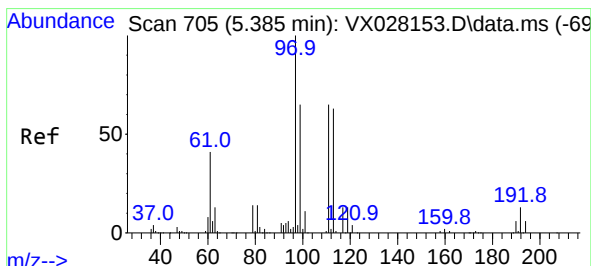
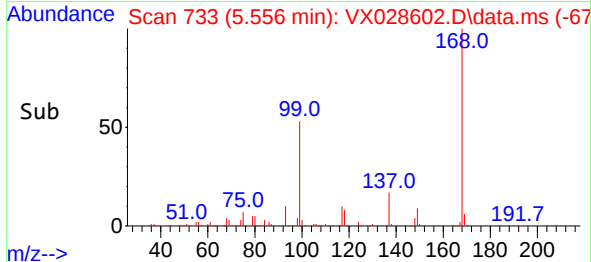
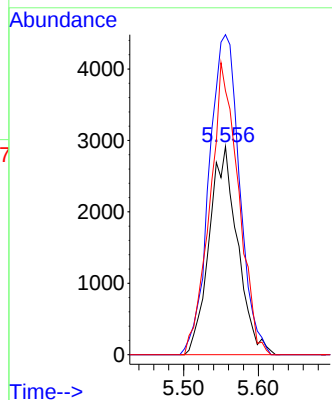
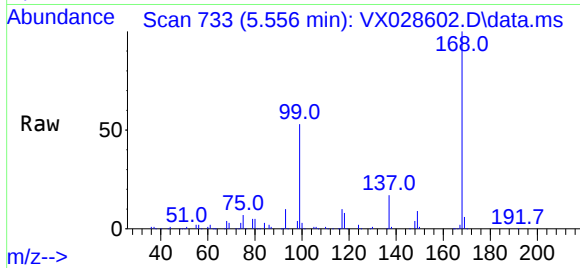




#31
Cyclohexane
Concen: 1.215 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

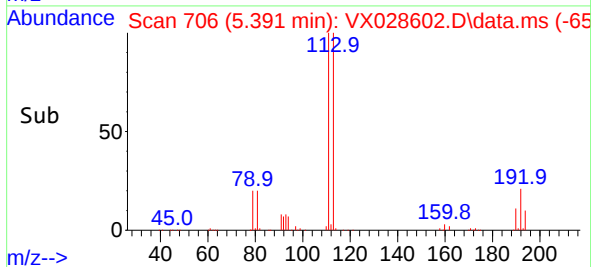
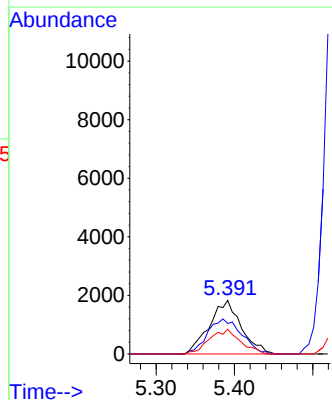
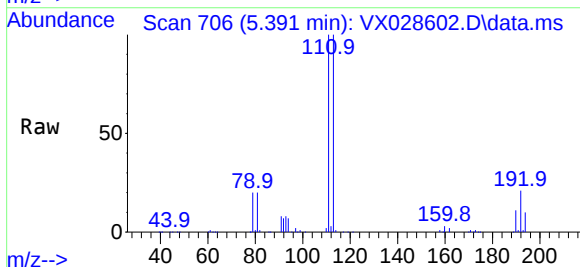
Instrument :
MSVOA_X
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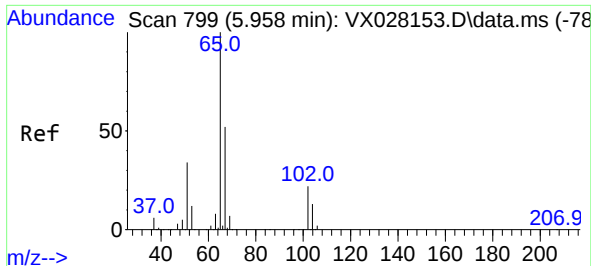
Tgt Ion: 56 Resp: 7707
Ion Ratio Lower Upper
56 100
69 153.7 26.7 40.1#
84 126.7 77.2 115.8#



#32
1,1,1-Trichloroethane
Concen: 0.686 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

Tgt Ion: 97 Resp: 5166
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6#
61 44.7 34.0 51.0

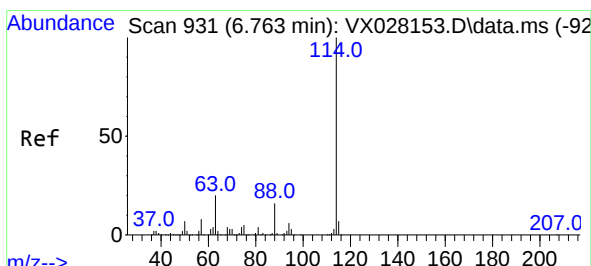
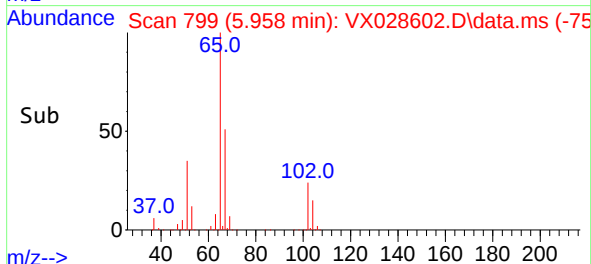
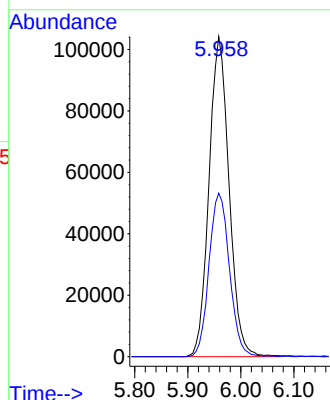
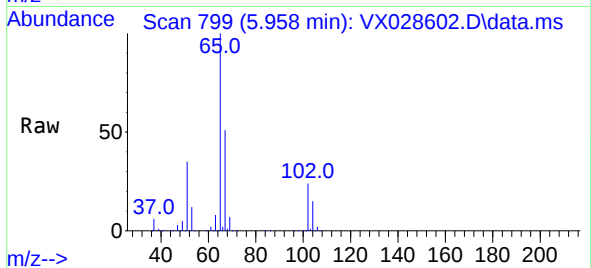




#33
1,2-Dichloroethane-d4
Concen: 52.456 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

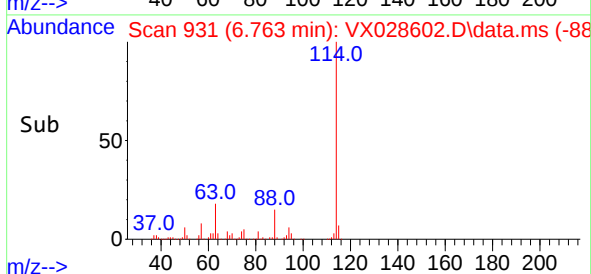
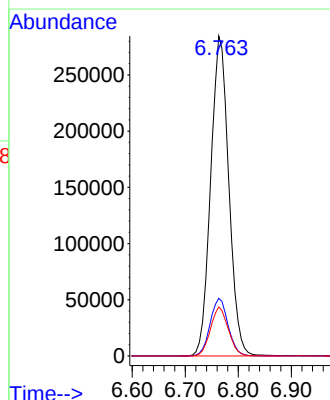
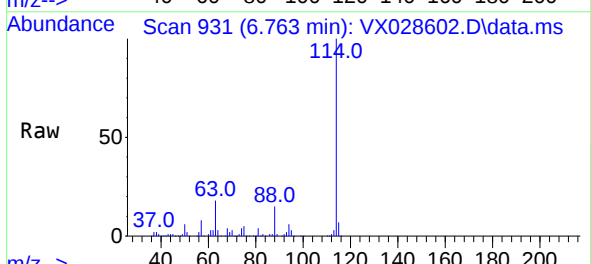
Instrument :
MSVOA_X
ClientSampleId :
TP-2

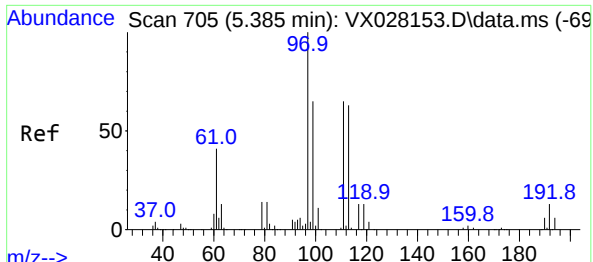
Tgt Ion: 65 Resp: 273174
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

Tgt Ion: 114 Resp: 675153
Ion Ratio Lower Upper
114 100
63 18.0 0.0 36.8
88 15.3 0.0 32.4

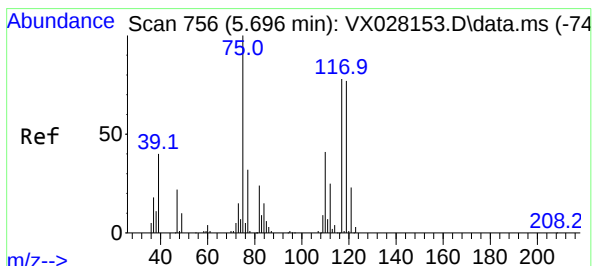
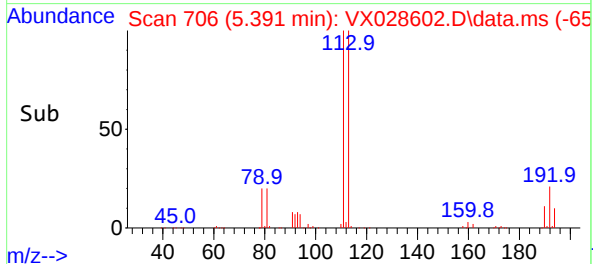
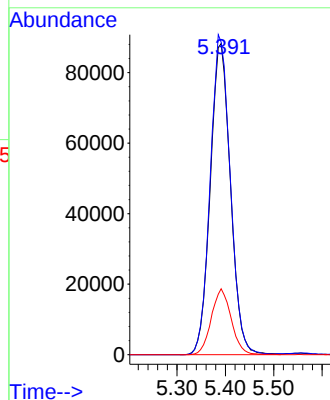
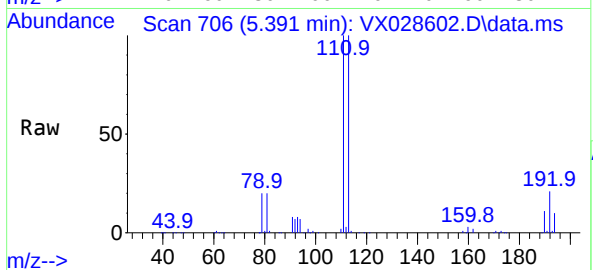




#35
Dibromofluoromethane
Concen: 54.116 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

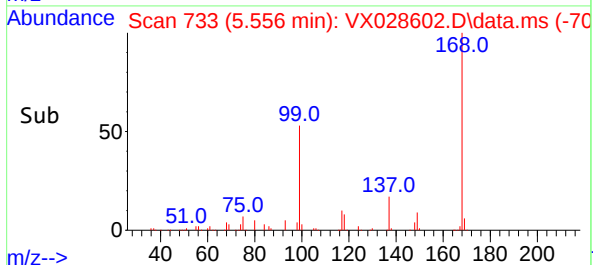
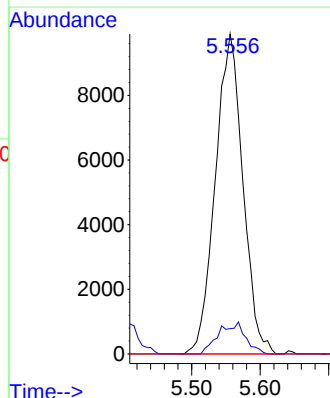
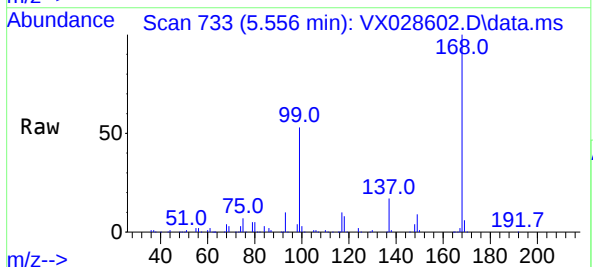
Instrument :
MSVOA_X
ClientSampleId :
TP-2

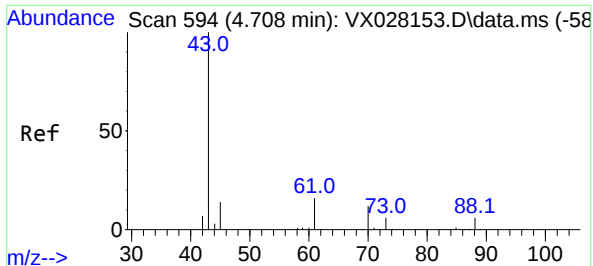
Tgt Ion:113 Resp: 256229
Ion Ratio Lower Upper
113 100
111 102.0 82.8 124.2
192 20.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.469 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

Tgt Ion: 75 Resp: 27600
Ion Ratio Lower Upper
75 100
110 9.7 18.3 54.8#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.418 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.146 min

Lab File: VX028602.D

Acq: 10 May 2022 18:18

Instrument :

MSVOA_X

ClientSampleId :

TP-2

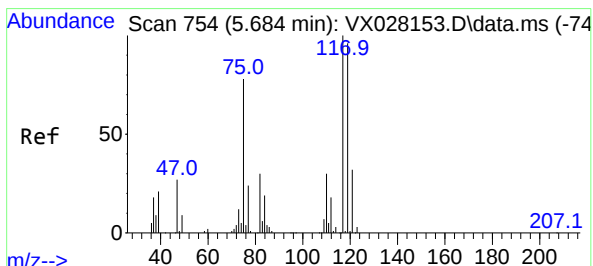
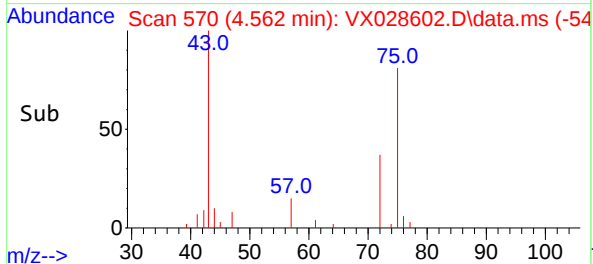
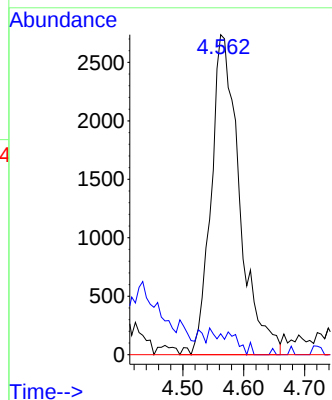
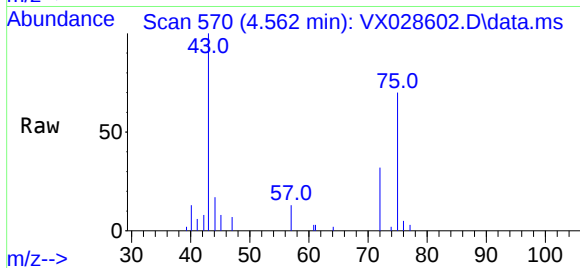
Tgt Ion: 43 Resp: 8887

Ion Ratio Lower Upper

43 100

61 1.0 12.6 19.0#

70 0.0 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 5.476 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX028602.D

Acq: 10 May 2022 18:18

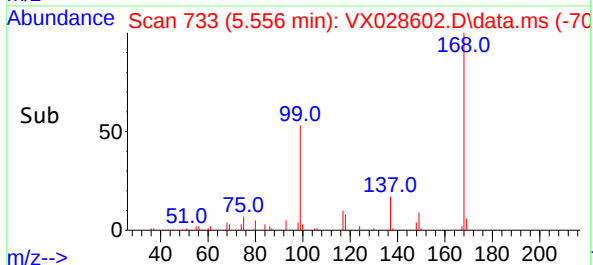
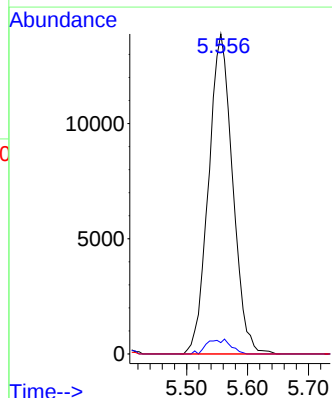
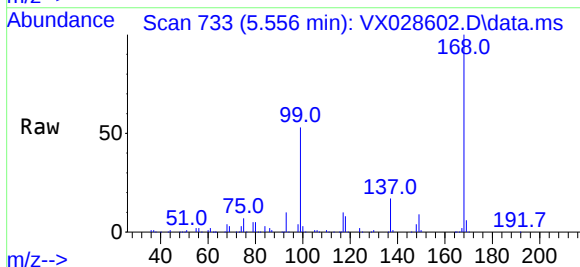
Tgt Ion: 117 Resp: 38177

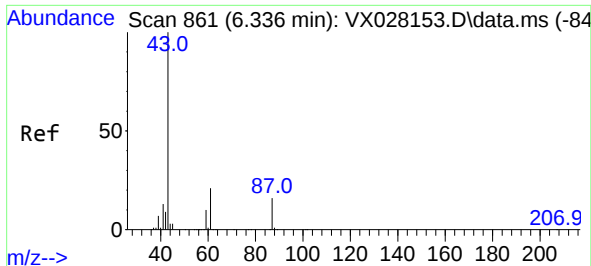
Ion Ratio Lower Upper

117 100

119 3.5 77.3 115.9#

121 0.0 24.2 36.2#

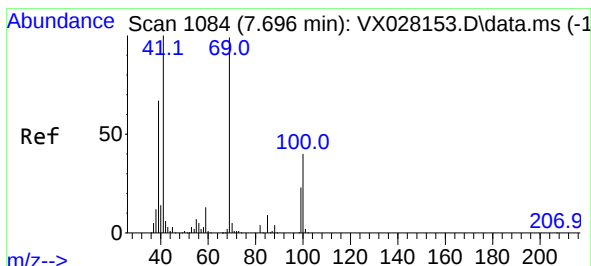
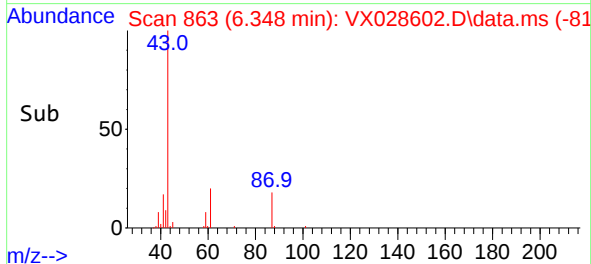
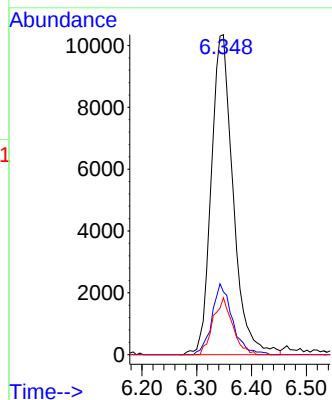
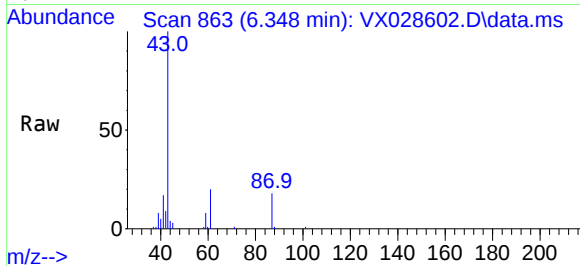




#43
Isopropyl Acetate
Concen: 2.810 ug/l
RT: 6.348 min Scan# 861
Delta R.T. 0.012 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

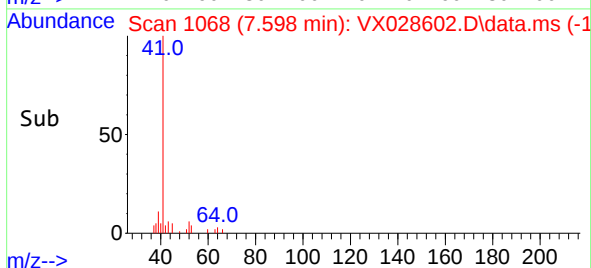
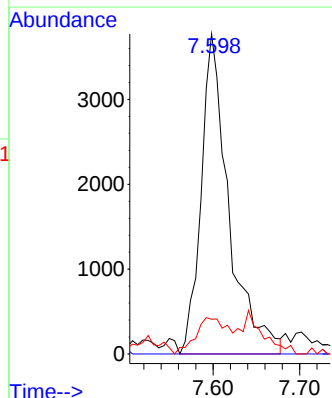
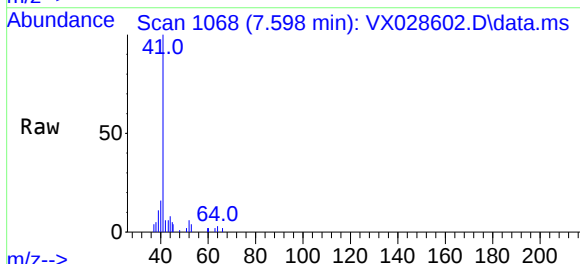
Instrument :
MSVOA_X
ClientSampleId :
TP-2

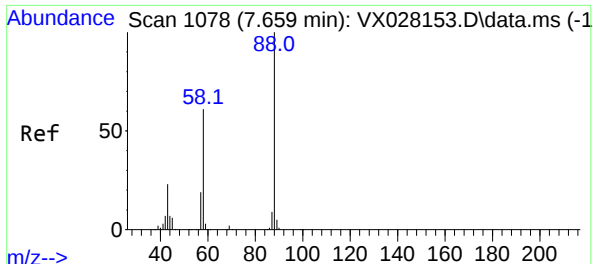
Tgt Ion: 43 Resp: 28659
Ion Ratio Lower Upper
43 100
61 20.7 18.5 27.7
87 15.7 13.0 19.6



#48
Methyl methacrylate
Concen: 1.792 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

Tgt Ion: 41 Resp: 8392
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#





#49

1,4-Dioxane

Concen: 2.610 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.134 min

Lab File: VX028602.D

Acq: 10 May 2022 18:18

Instrument :

MSVOA_X

ClientSampleId :

TP-2

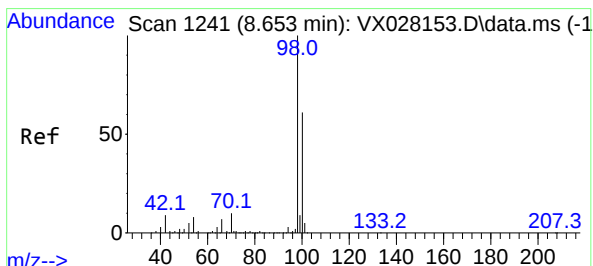
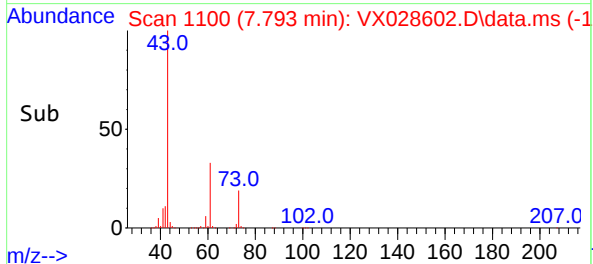
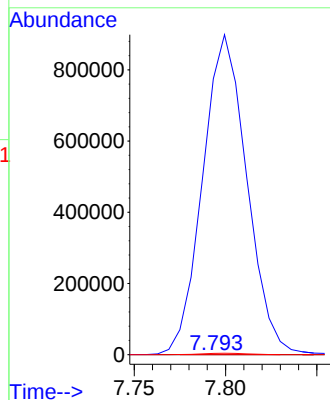
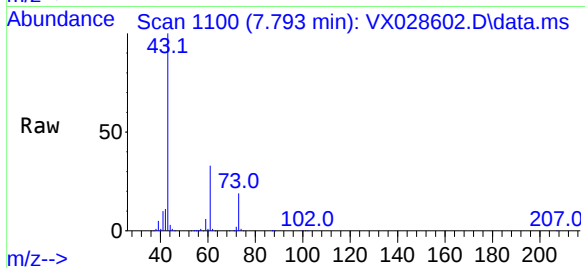
Tgt Ion: 88 Resp: 327

Ion Ratio Lower Upper

88 100

43 466197.9 21.9 32.9#

58 2223.2 53.7 80.5#



#50

Toluene-d8

Concen: 51.140 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028602.D

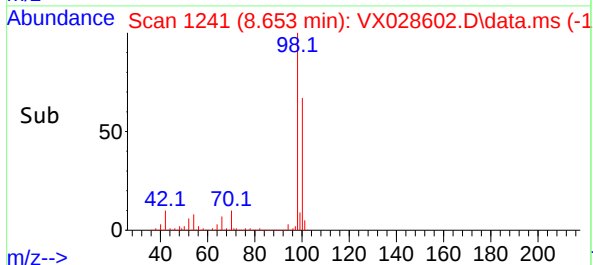
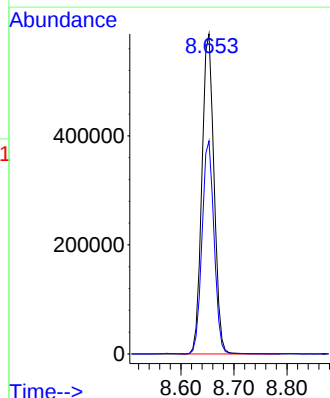
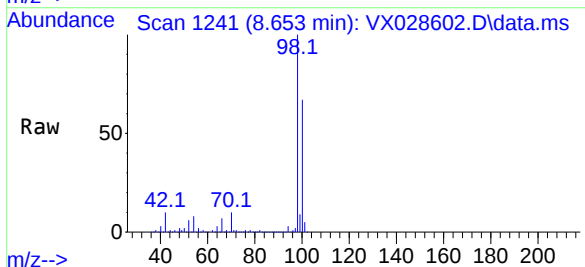
Acq: 10 May 2022 18:18

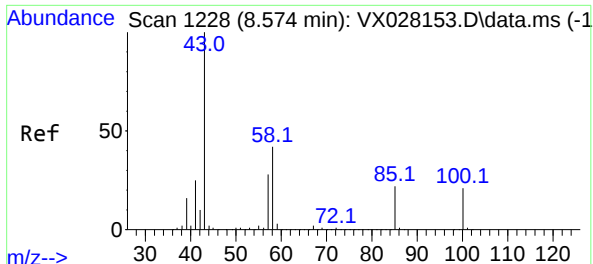
Tgt Ion: 98 Resp: 929998

Ion Ratio Lower Upper

98 100

100 66.2 52.6 78.8

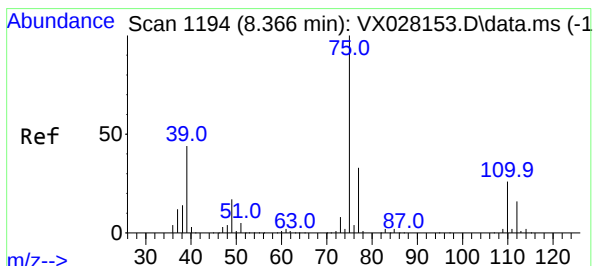
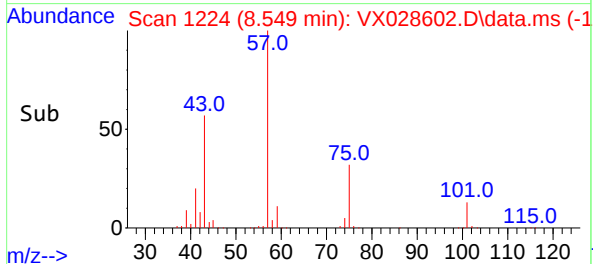
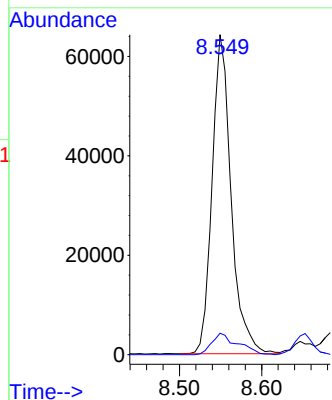
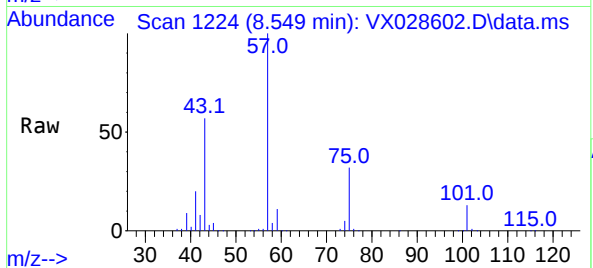




#51
4-Methyl-2-Pentanone
Concen: 15.775 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

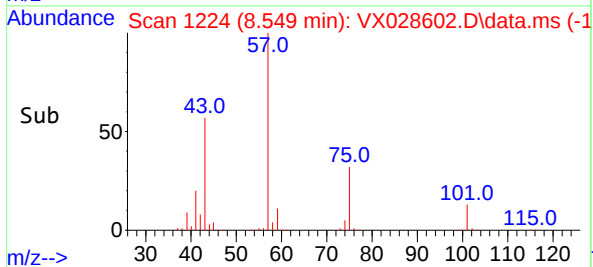
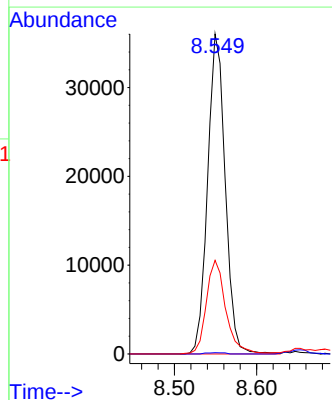
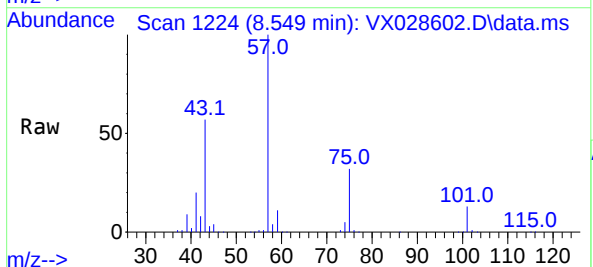
Instrument :
MSVOA_X
ClientSampleId :
TP-2

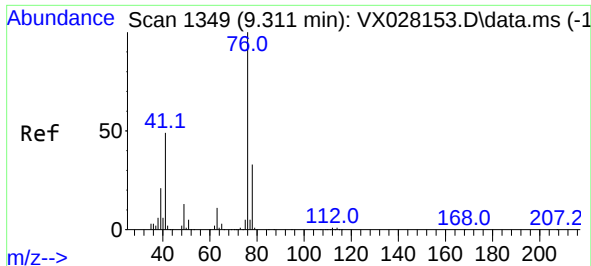
Tgt Ion: 43 Resp: 103246
Ion Ratio Lower Upper
43 100
58 9.1 36.1 54.1#



#54
cis-1,3-Dichloropropene
Concen: 7.046 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

Tgt Ion: 75 Resp: 53653
Ion Ratio Lower Upper
75 100
77 0.4 24.8 37.2#
39 29.2 29.6 44.4#

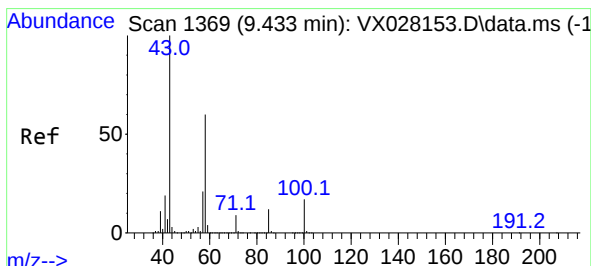
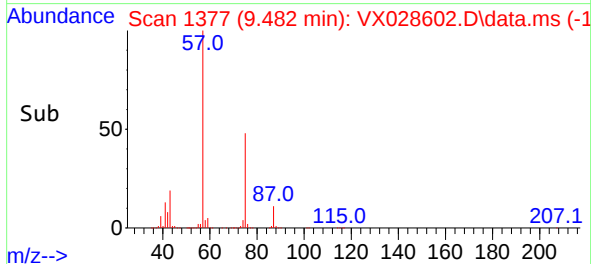
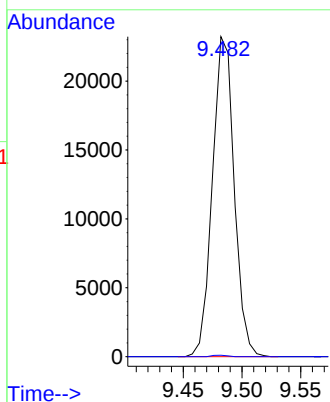
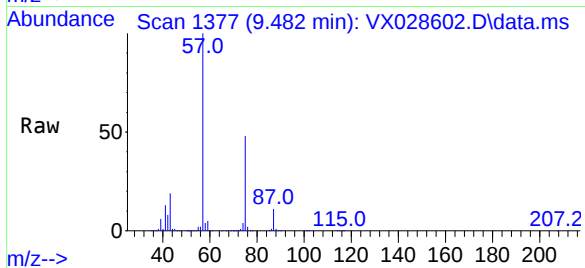




#57
1,3-Dichloropropane
Concen: 3.637 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

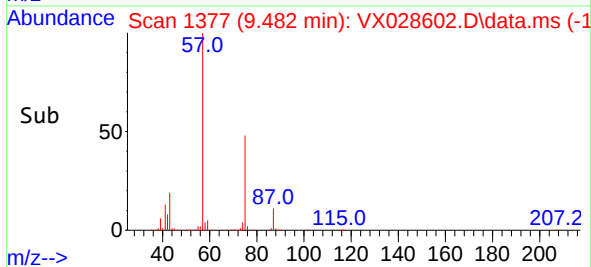
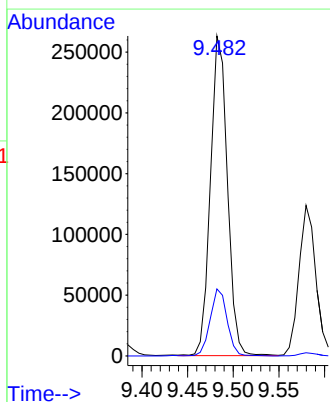
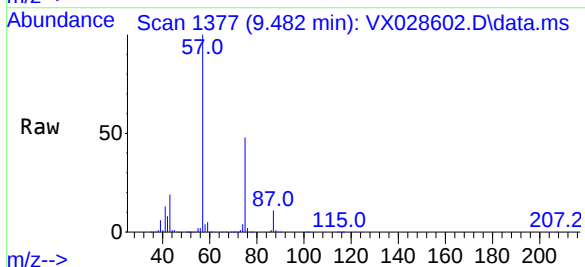
Instrument :
MSVOA_X
ClientSampleId :
TP-2

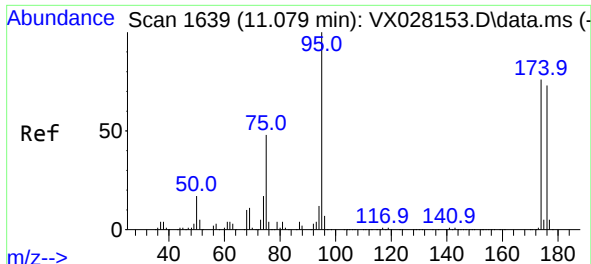
Tgt Ion: 76 Resp: 29961
Ion Ratio Lower Upper
76 100
78 0.3 25.8 38.8#



#59
2-Hexanone
Concen: 66.932 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

Tgt Ion: 43 Resp: 339335
Ion Ratio Lower Upper
43 100
58 21.0 31.9 95.7#

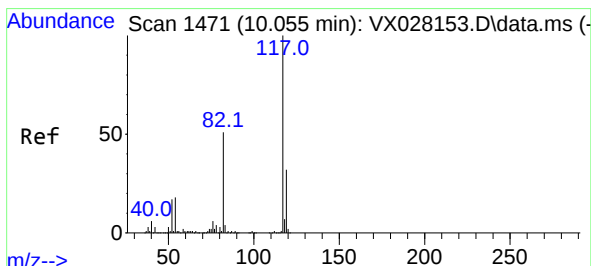
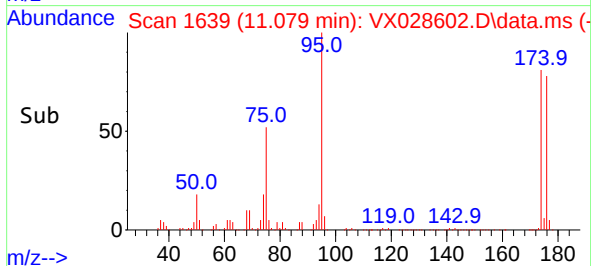
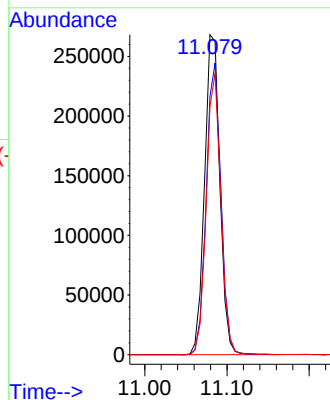
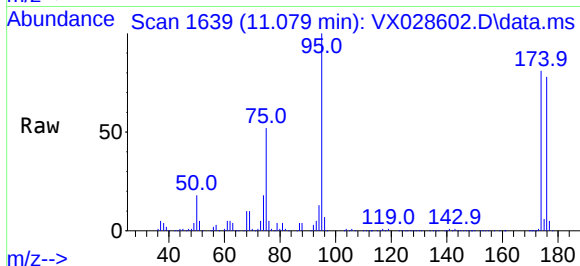




#62
4-Bromofluorobenzene
Concen: 49.863 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

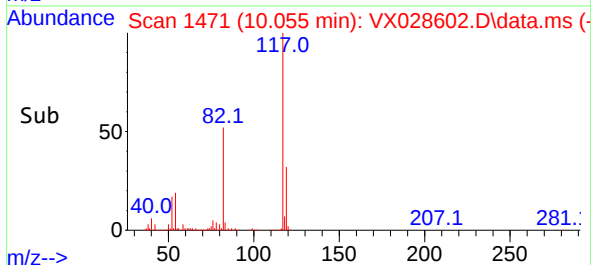
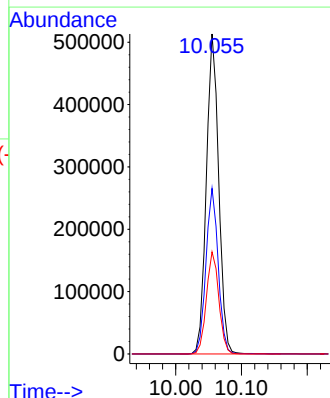
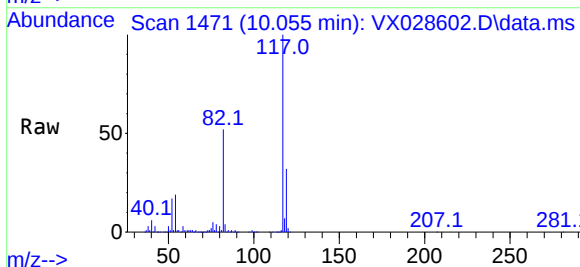
Instrument :
MSVOA_X
ClientSampleId :
TP-2

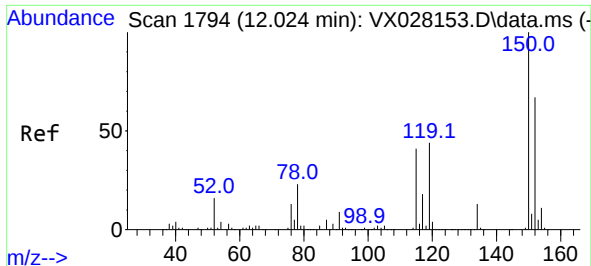
Tgt Ion: 95 Resp: 346714
Ion Ratio Lower Upper
95 100
174 88.0 0.0 163.0
176 83.9 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

Tgt Ion: 117 Resp: 670974
Ion Ratio Lower Upper
117 100
82 51.8 41.8 62.8
119 31.9 24.8 37.2

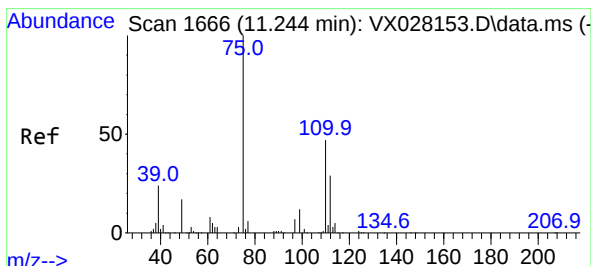
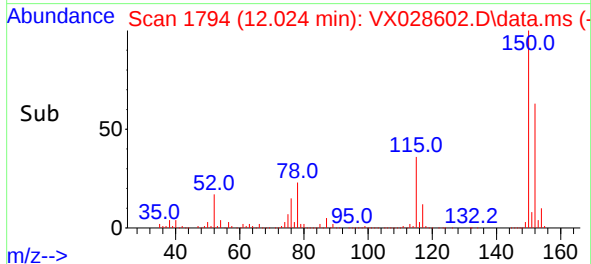
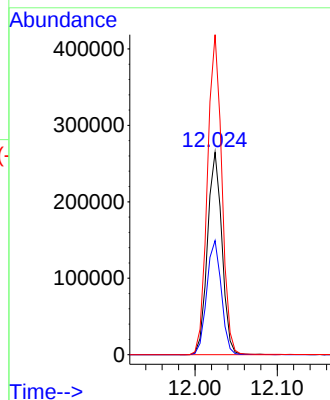
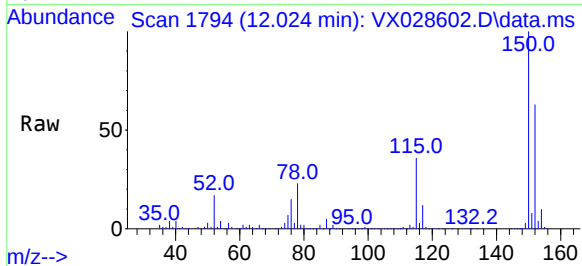




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

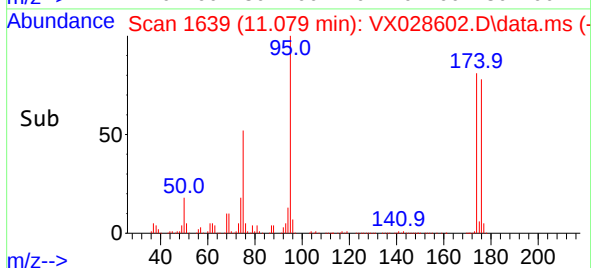
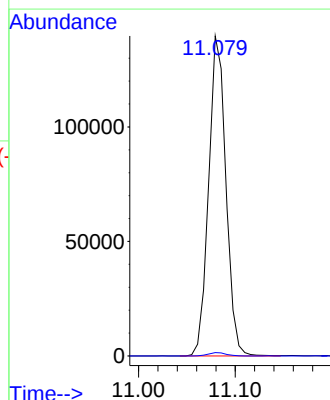
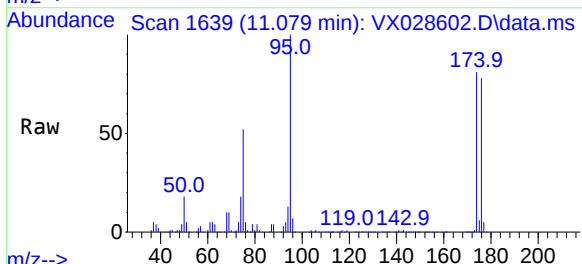
Instrument :
MSVOA_X
ClientSampleId :
TP-2

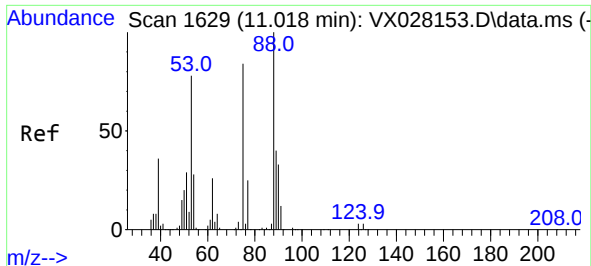
Tgt Ion:152 Resp: 323286
Ion Ratio Lower Upper
152 100
115 57.0 37.5 112.7
150 157.8 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 27.293 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

Tgt Ion: 75 Resp: 173649
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#

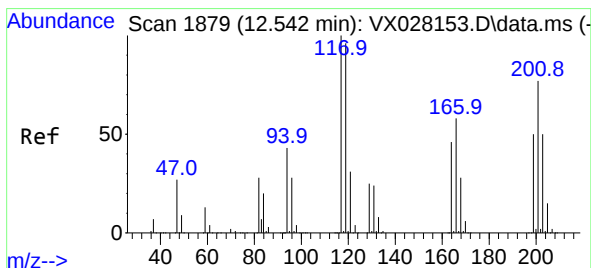
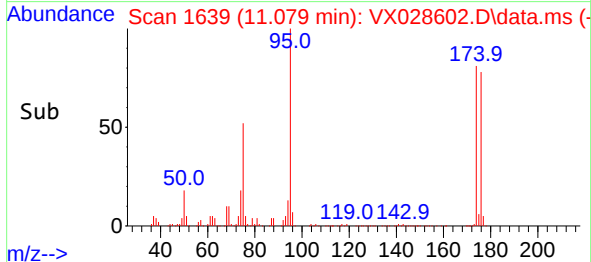
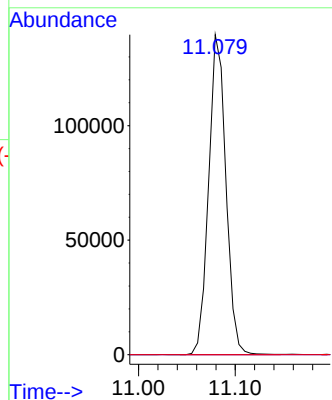
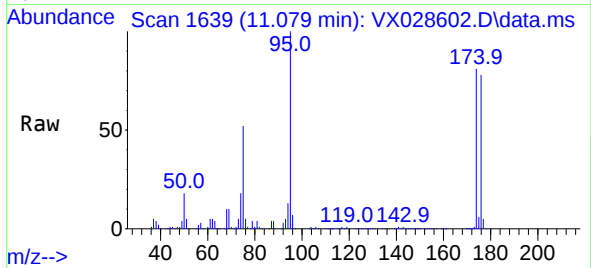




#81
trans-1,4-Dichloro-2-butene
Concen: 81.107 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

Instrument :
MSVOA_X
ClientSampleId :
TP-2

Tgt Ion: 75 Resp: 173649
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#90
Hexachloroethane
Concen: 1.820 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX028602.D
Acq: 10 May 2022 18:18

Tgt Ion: 117 Resp: 25
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#

