

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028437.D
 Acq On : 29 Apr 2022 20:28
 Operator : JC/MD
 Sample : N2609-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-4

Quant Time: Apr 30 09:18:34 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)

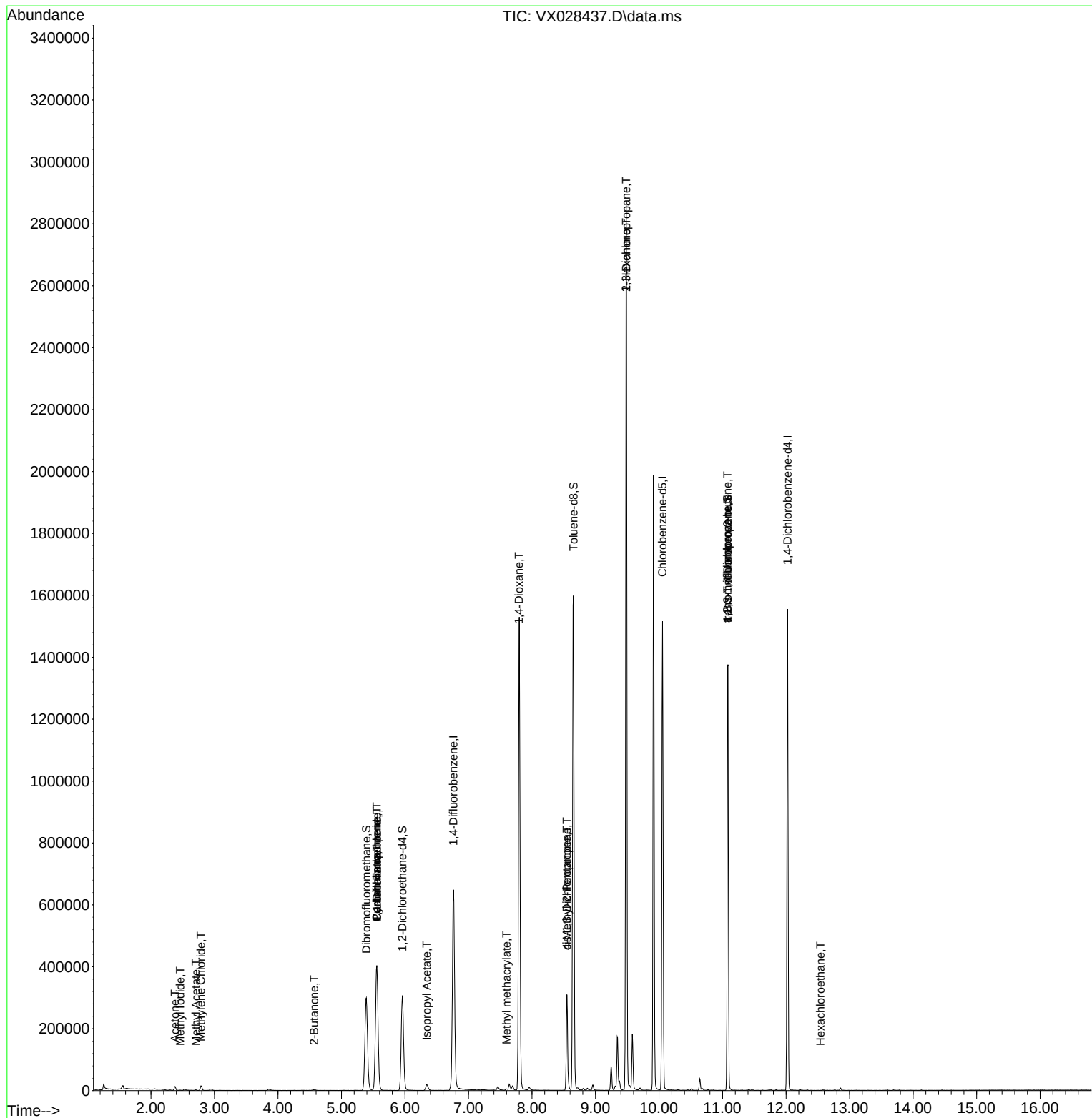
Internal Standards						
1) Pentafluorobenzene	5.556	168	392653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	687414	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	710369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	326478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	289748	56.594	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 113.180%			
35) Dibromofluoromethane	5.391	113	259956	53.924	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.840%			
50) Toluene-d8	8.653	98	988835	53.405	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.820%			
62) 4-Bromofluorobenzene	11.079	95	365837	51.675	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.340%			
Target Compounds						Qvalue
3) Chloromethane	1.288	50	559	Below Cal		89
5) Bromomethane	1.618	94	1150	Below Cal		90
6) Chloroethane	1.691	64	807	Below Cal		99
8) Diethyl Ether	2.142	74	157	Below Cal #		23
10) Methyl Iodide	2.459	142	774	5.394 ug/l #		79
11) Tert butyl alcohol	2.947	59	3035	Below Cal #		72
16) Acetone	2.380	43	13686	7.397 ug/l		95
18) Methyl Acetate	2.709	43	1804	0.396 ug/l		96
20) Methylene Chloride	2.788	84	7145	1.881 ug/l		95
25) 2-Butanone	4.568	43	4067	1.341 ug/l #		88
31) Cyclohexane	5.556	56	7953	1.275 ug/l #		1
36) 1,1-Dichloropropene	5.556	75	29273	4.655 ug/l #		50
38) Carbon Tetrachloride	5.556	117	38715	5.454 ug/l #		16
43) Isopropyl Acetate	6.342	43	25310	2.437 ug/l		97
48) Methyl methacrylate	7.598	41	5826	1.222 ug/l #		7
49) 1,4-Dioxane	7.793	88	230	1.803 ug/l #		1
51) 4-Methyl-2-Pentanone	8.549	43	96940	14.547 ug/l #		44
54) cis-1,3-Dichloropropene	8.549	75	50487	6.512 ug/l #		68
57) 1,3-Dichloropropane	9.482	76	27452	3.273 ug/l #		43
59) 2-Hexanone	9.482	43	308541	59.772 ug/l #		44
76) 1,2,3-Trichloropropane	11.079	75	180764	28.133 ug/l #		38
81) trans-1,4-Dichloro-2-b...	11.079	75	180764	83.604 ug/l #		15
90) Hexachloroethane	12.542	117	19	1.819 ug/l #		10

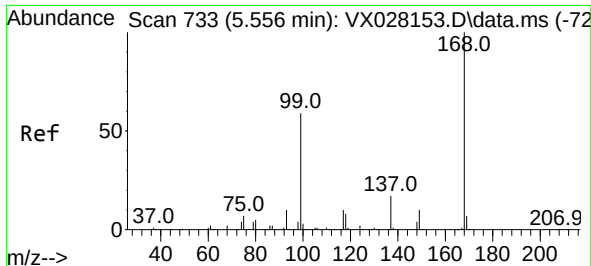
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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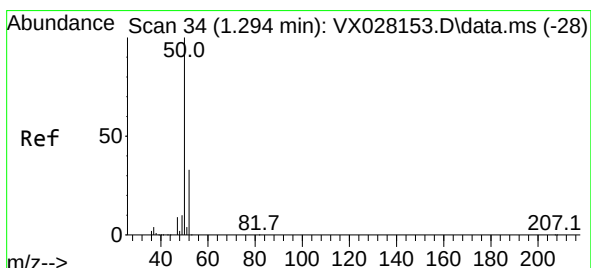
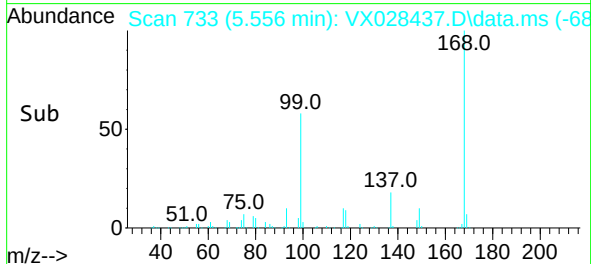
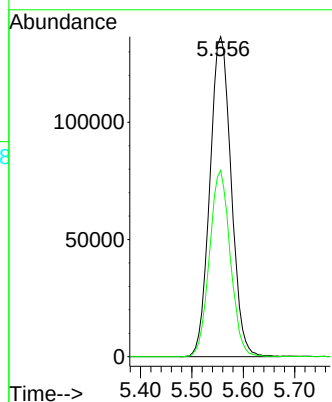
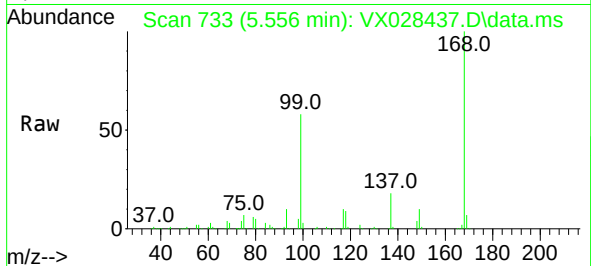




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028437.D
Acq: 29 Apr 2022 20:28

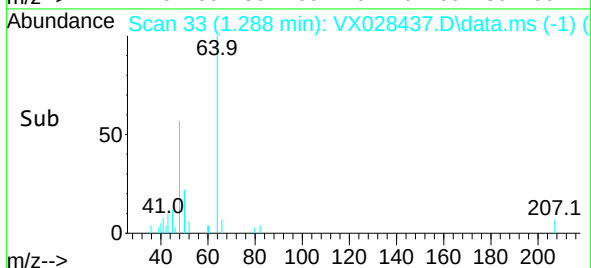
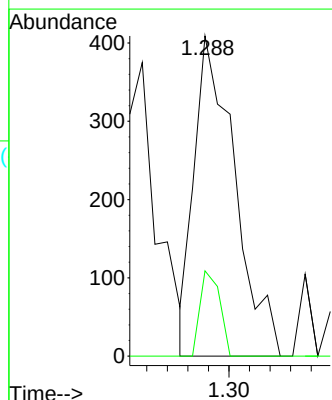
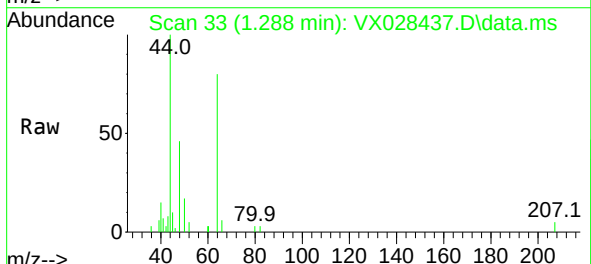
Instrument :
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WC-4

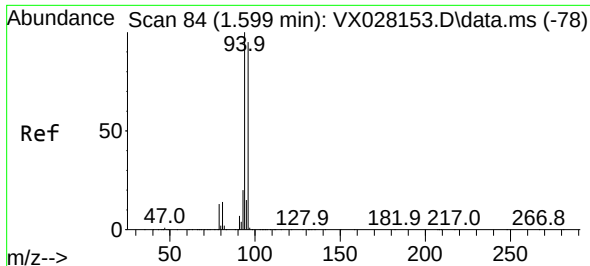
Tgt Ion:168 Resp: 392653
Ion Ratio Lower Upper
168 100
99 58.2 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028437.D
Acq: 29 Apr 2022 20:28

Tgt Ion: 50 Resp: 559
Ion Ratio Lower Upper
50 100
52 26.7 26.4 39.6

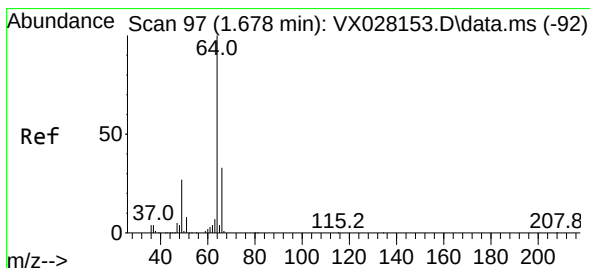
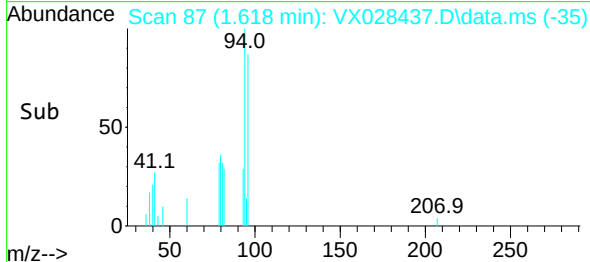
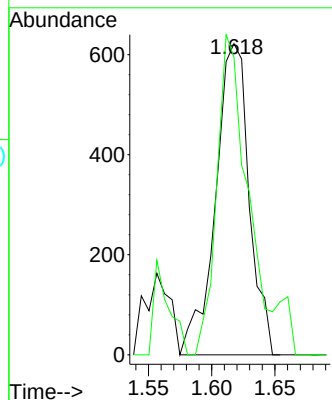
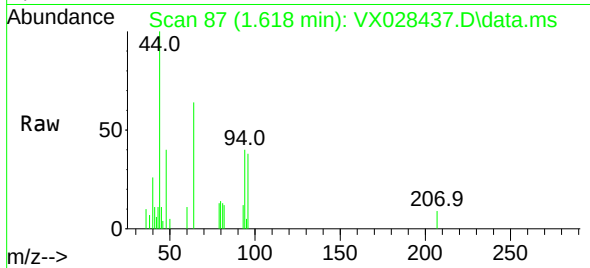




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028437.D
Acq: 29 Apr 2022 20:28

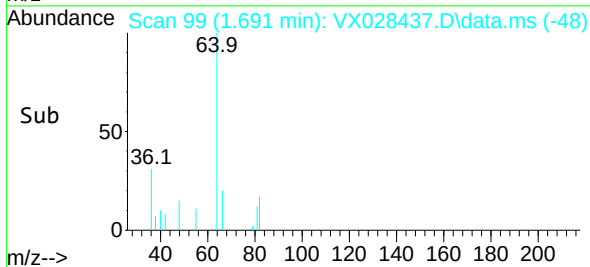
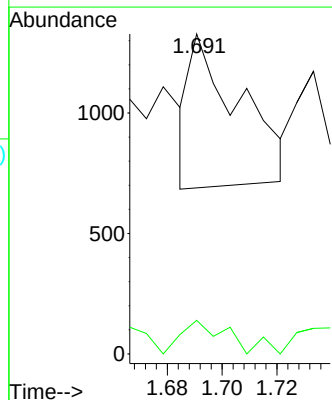
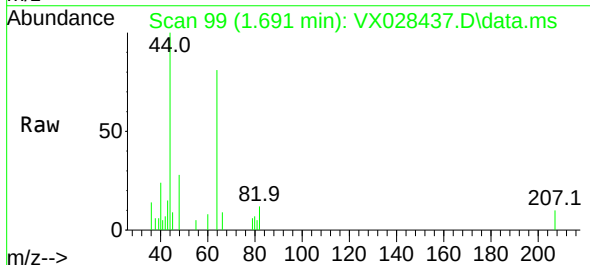
Instrument :
MSVOA_X
ClientSampleId :
WC-4

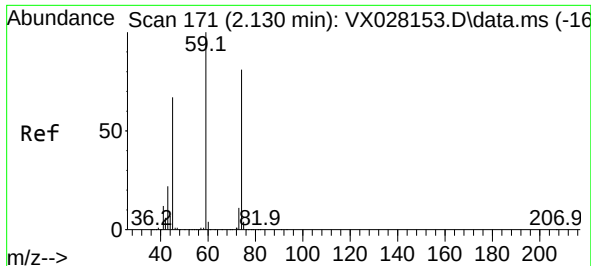
Tgt Ion: 94 Resp: 1150
Ion Ratio Lower Upper
94 100
96 84.9 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX028437.D
Acq: 29 Apr 2022 20:28

Tgt Ion: 64 Resp: 807
Ion Ratio Lower Upper
64 100
66 32.0 25.3 37.9

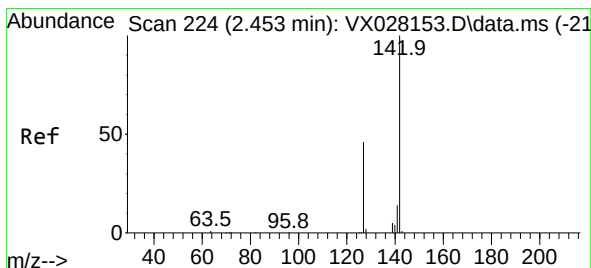
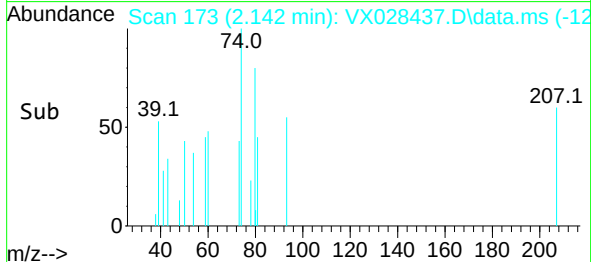
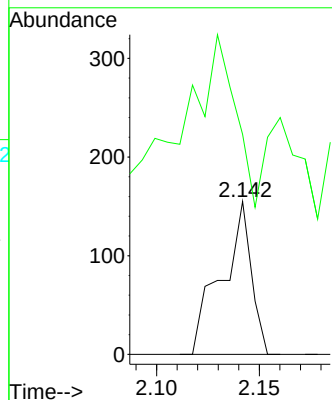
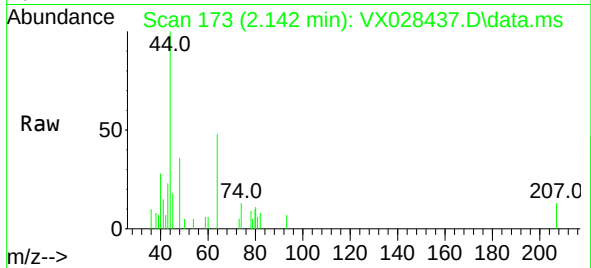




#8
Diethyl Ether
Concen: Below Cal
RT: 2.142 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX028437.D
Acq: 29 Apr 2022 20:28

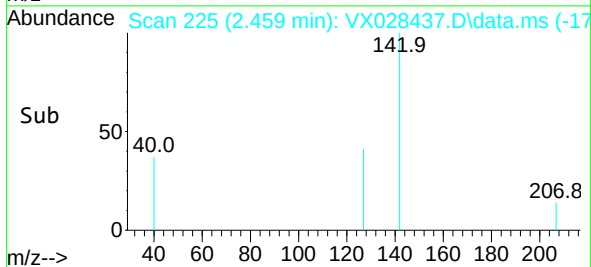
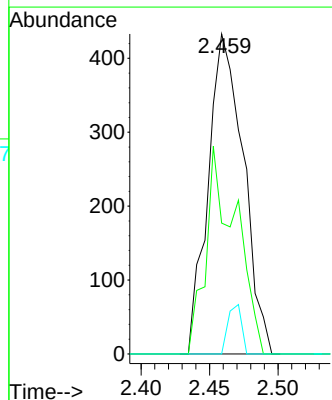
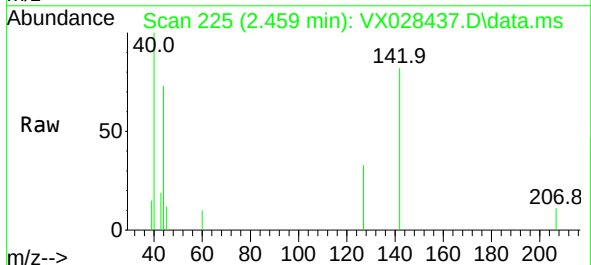
Instrument :
MSVOA_X
ClientSampleId :
WC-4

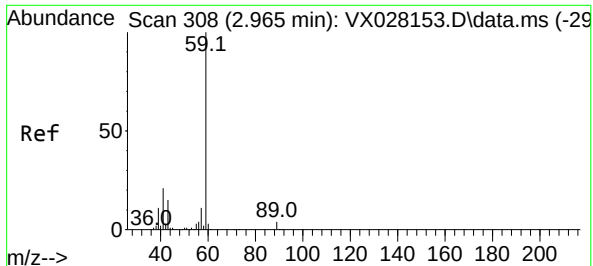
Tgt Ion: 74 Resp: 157
Ion Ratio Lower Upper
74 100
45 153.5 42.0 126.0#



#10
Methyl Iodide
Concen: 5.394 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028437.D
Acq: 29 Apr 2022 20:28

Tgt Ion:142 Resp: 774
Ion Ratio Lower Upper
142 100
127 55.8 33.9 50.9#
141 5.9 11.4 17.2#

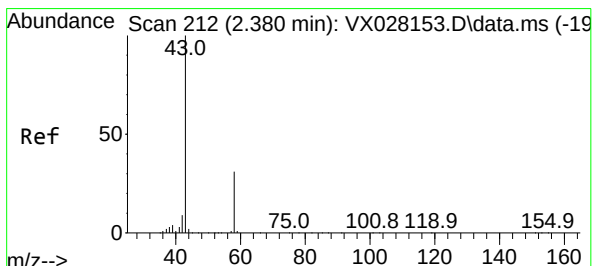
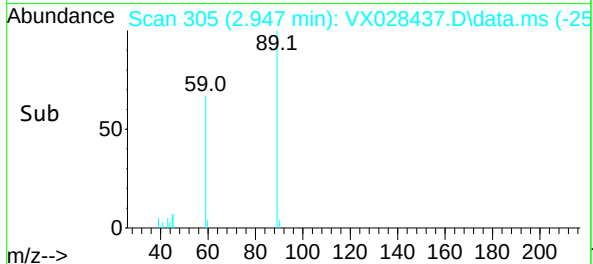
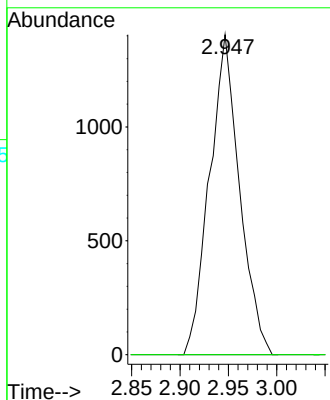
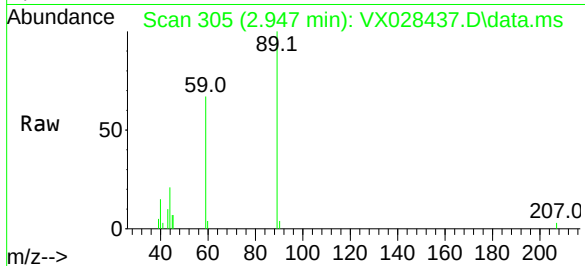




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX028437.D
Acq: 29 Apr 2022 20:28

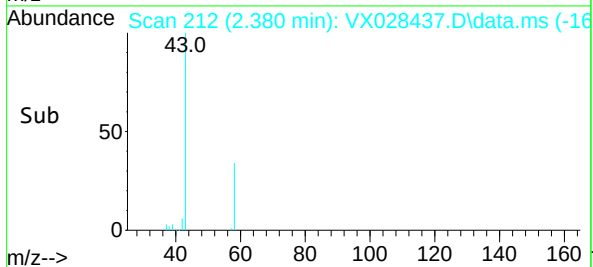
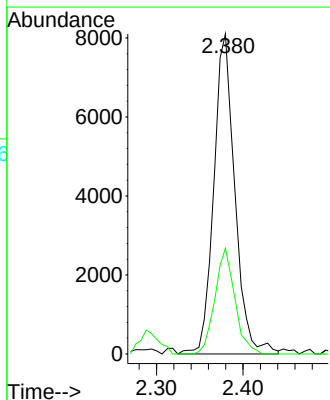
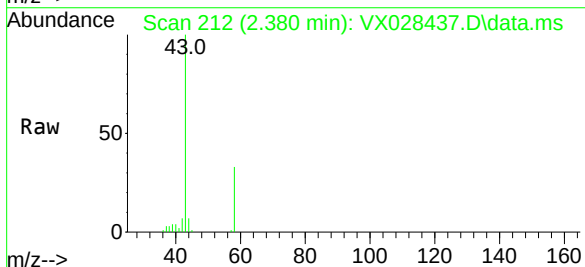
Instrument :
MSVOA_X
ClientSampleId :
WC-4

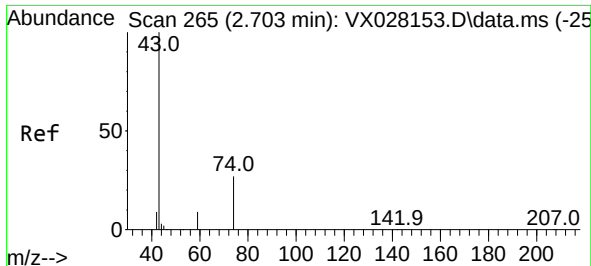
Tgt Ion: 59 Resp: 3035
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 7.397 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028437.D
Acq: 29 Apr 2022 20:28

Tgt Ion: 43 Resp: 13686
Ion Ratio Lower Upper
43 100
58 33.1 28.8 43.2

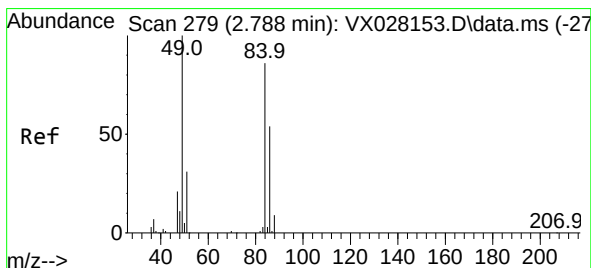
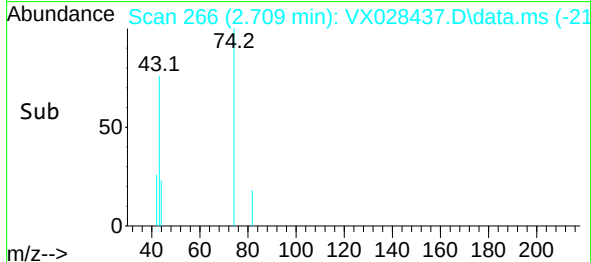
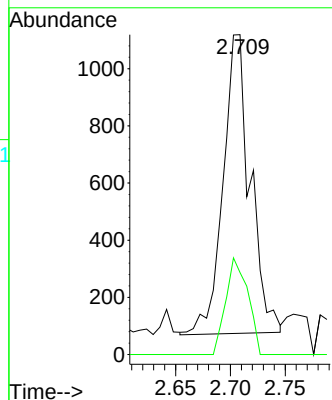
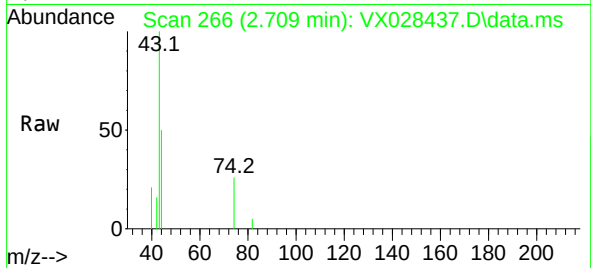




#18
Methyl Acetate
Concen: 0.396 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX028437.D
Acq: 29 Apr 2022 20:28

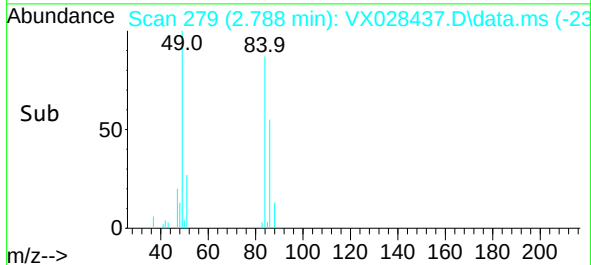
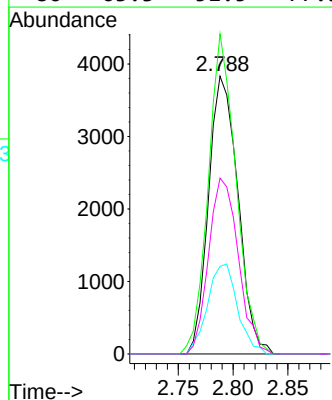
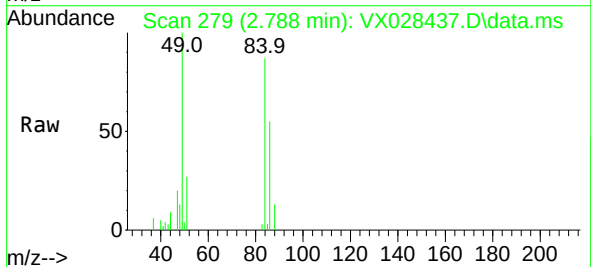
Instrument :
MSVOA_X
ClientSampleId :
WC-4

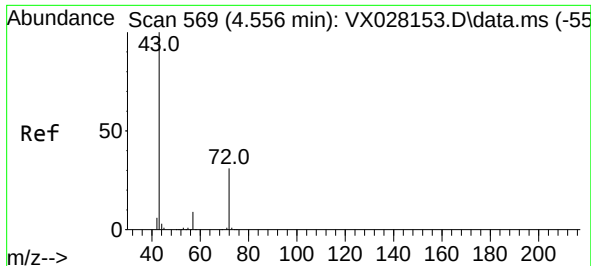
Tgt Ion: 43 Resp: 1804
Ion Ratio Lower Upper
43 100
74 26.2 22.8 34.2



#20
Methylene Chloride
Concen: 1.881 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028437.D
Acq: 29 Apr 2022 20:28

Tgt Ion: 84 Resp: 7145
Ion Ratio Lower Upper
84 100
49 115.2 85.5 128.3
51 31.5 26.6 39.8
86 63.3 51.5 77.3





#25

2-Butanone

Concen: 1.341 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX028437.D

Acq: 29 Apr 2022 20:28

Instrument :

MSVOA_X

ClientSampleId :

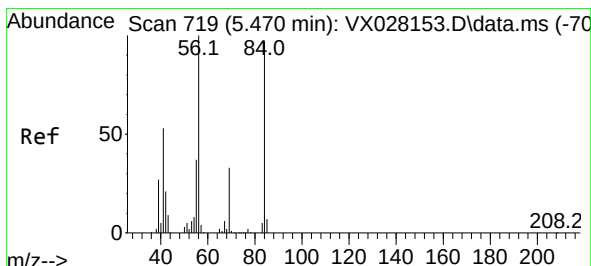
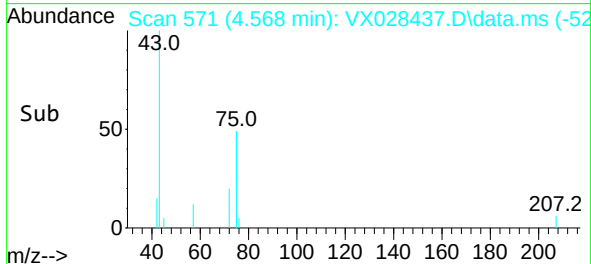
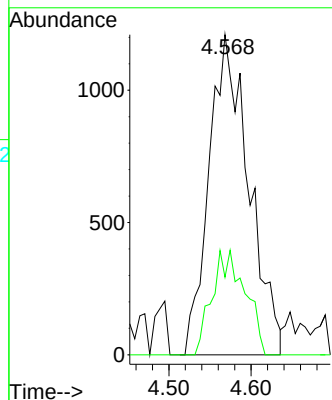
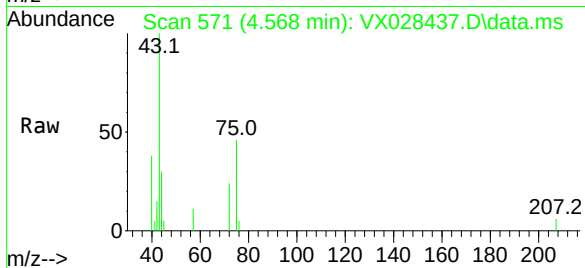
WC-4

Tgt Ion: 43 Resp: 4067

Ion Ratio Lower Upper

43 100

72 24.2 24.4 36.6#



#31

Cyclohexane

Concen: 1.275 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX028437.D

Acq: 29 Apr 2022 20:28

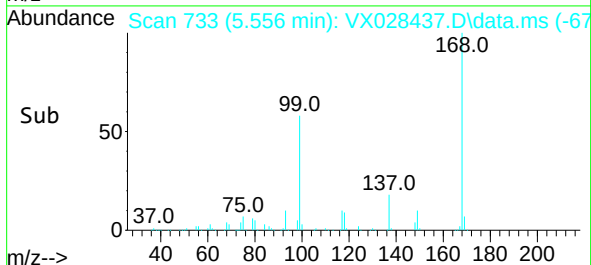
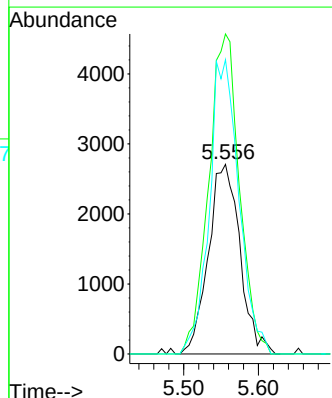
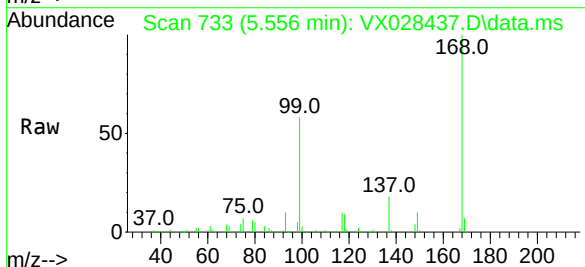
Tgt Ion: 56 Resp: 7953

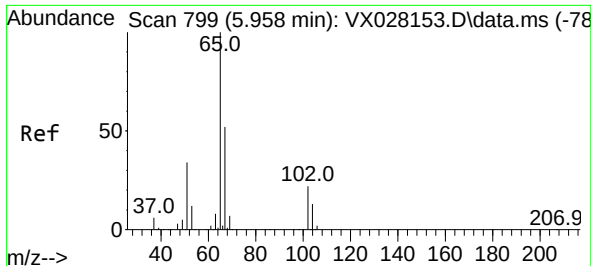
Ion Ratio Lower Upper

56 100

69 168.7 26.7 40.1#

84 155.1 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 56.594 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028437.D

Acq: 29 Apr 2022 20:28

Instrument :

MSVOA_X

ClientSampleId :

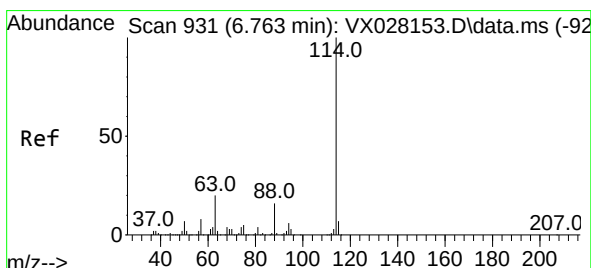
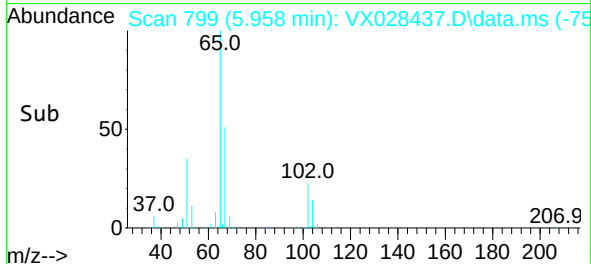
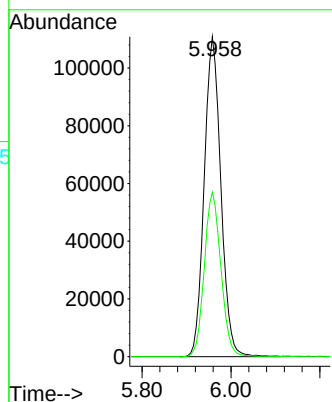
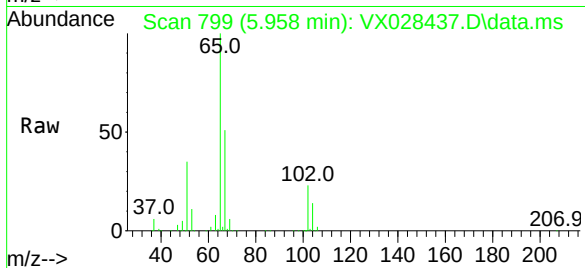
WC-4

Tgt Ion: 65 Resp: 289748

Ion Ratio Lower Upper

65 100

67 51.2 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: VX028437.D

Acq: 29 Apr 2022 20:28

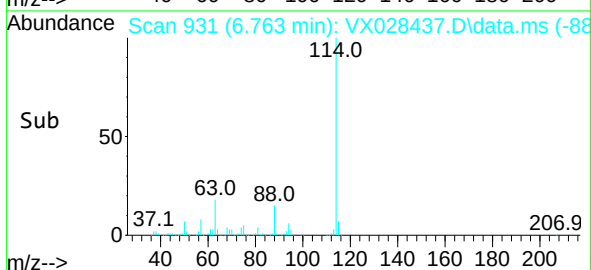
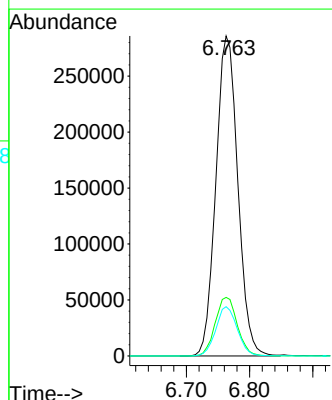
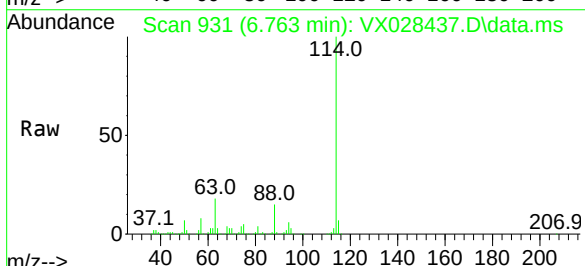
Tgt Ion: 114 Resp: 687414

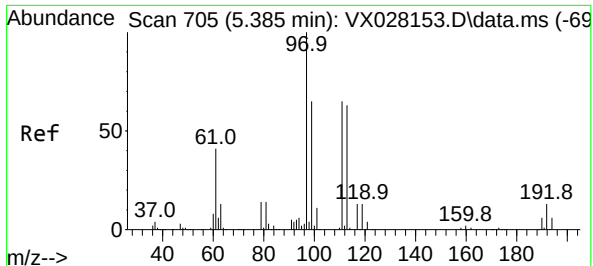
Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.8

88 15.4 0.0 32.4





#35

Dibromofluoromethane

Concen: 53.924 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028437.D

Acq: 29 Apr 2022 20:28

Instrument :

MSVOA_X

ClientSampleId :

WC-4

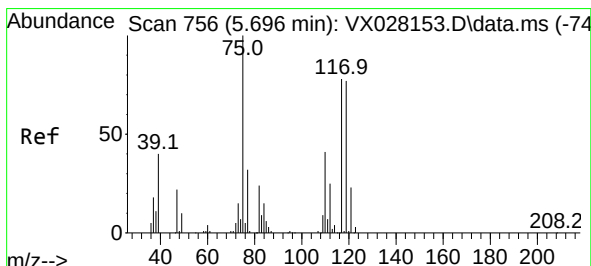
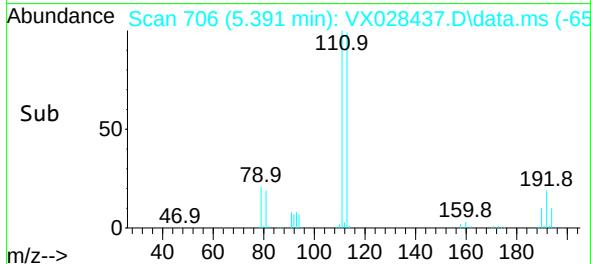
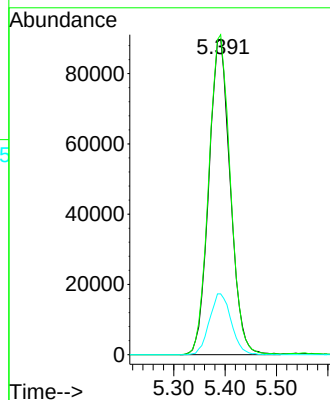
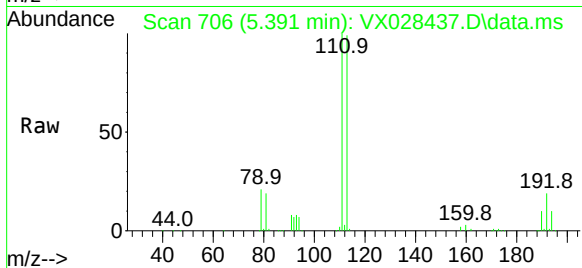
Tgt Ion:113 Resp: 259956

Ion Ratio Lower Upper

113 100

111 102.3 82.8 124.2

192 19.6 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.655 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX028437.D

Acq: 29 Apr 2022 20:28

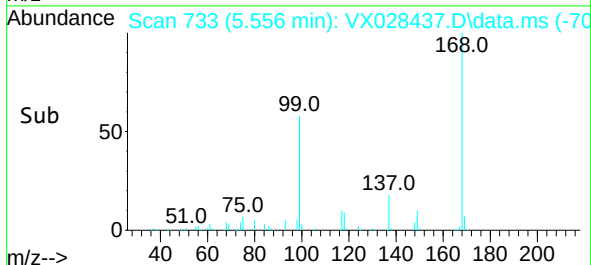
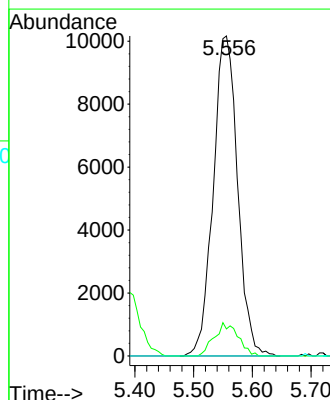
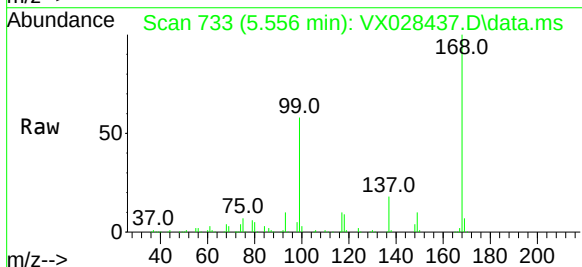
Tgt Ion: 75 Resp: 29273

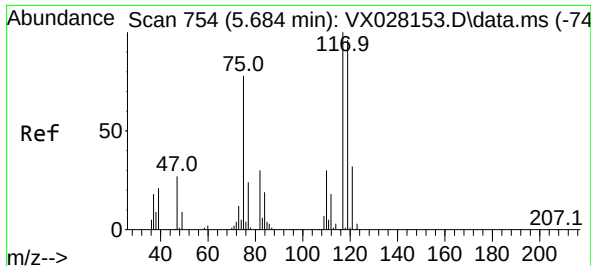
Ion Ratio Lower Upper

75 100

110 10.2 18.3 54.8#

77 0.0 24.8 37.2#

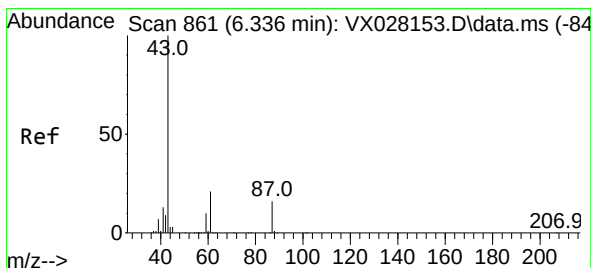
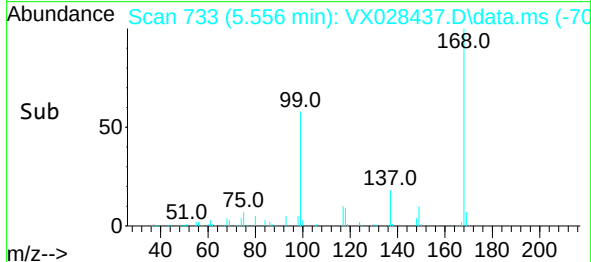
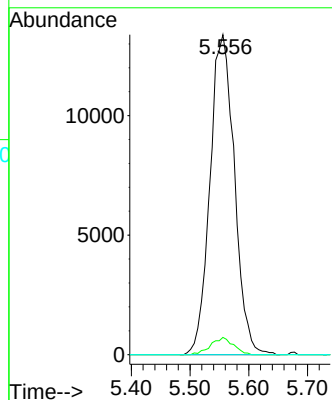
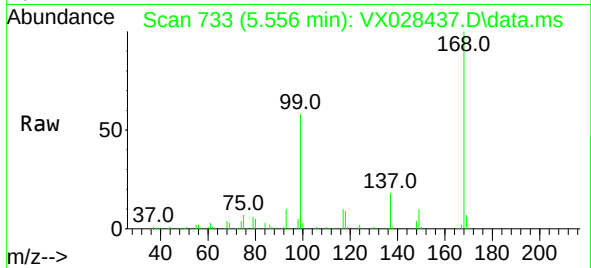




#38
Carbon Tetrachloride
Concen: 5.454 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028437.D
Acq: 29 Apr 2022 20:28

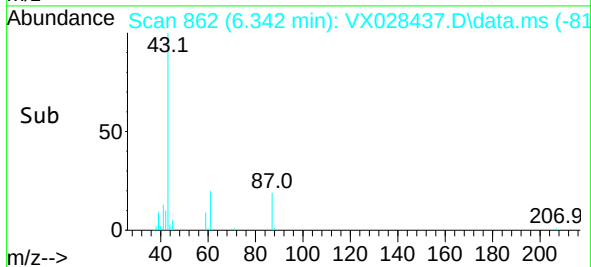
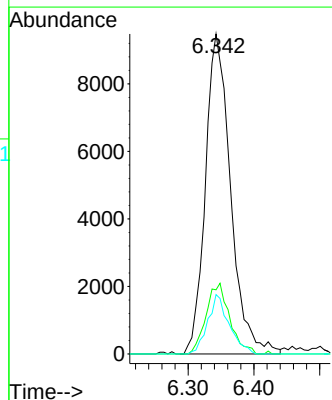
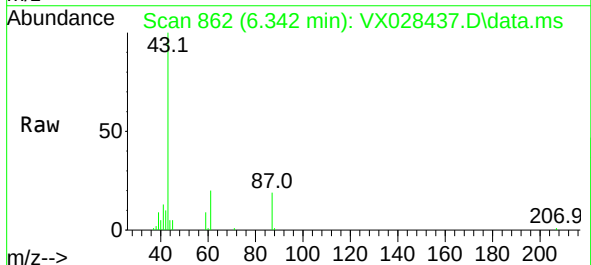
Instrument :
MSVOA_X
ClientSampleId :
WC-4

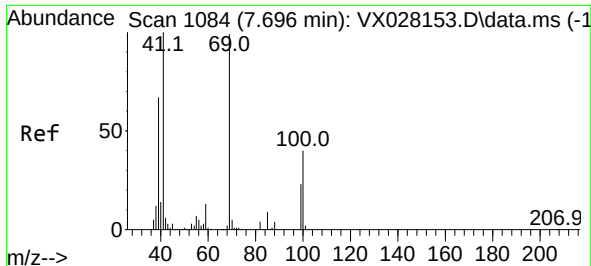
Tgt Ion:117 Resp: 38715
Ion Ratio Lower Upper
117 100
119 5.4 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.437 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028437.D
Acq: 29 Apr 2022 20:28

Tgt Ion: 43 Resp: 25310
Ion Ratio Lower Upper
43 100
61 20.6 18.5 27.7
87 15.8 13.0 19.6

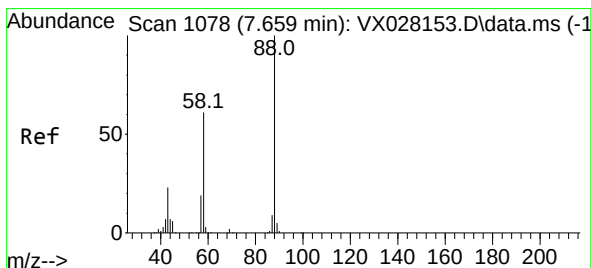
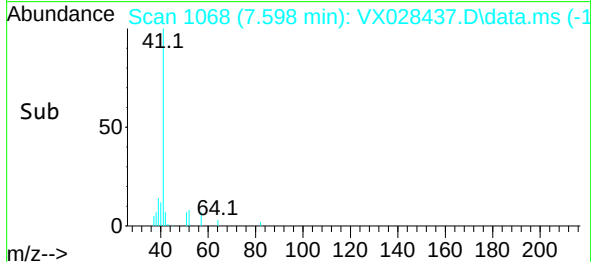
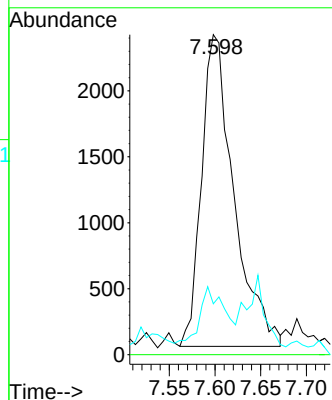
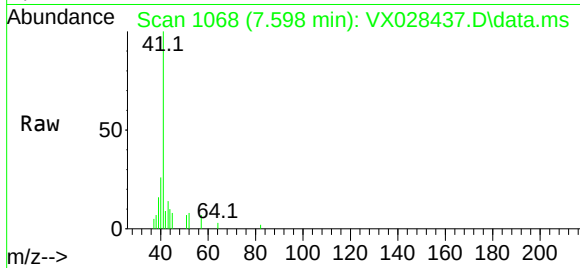




#48
Methyl methacrylate
Concen: 1.222 ug/l
RT: 7.598 min Scan# 1100
Delta R.T. -0.098 min
Lab File: VX028437.D
Acq: 29 Apr 2022 20:28

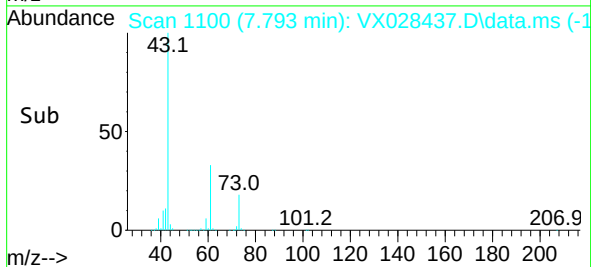
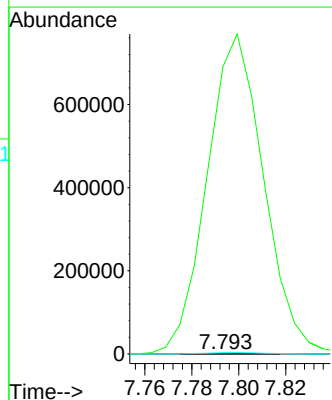
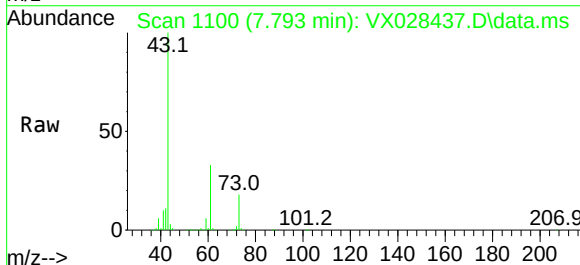
Instrument :
MSVOA_X
ClientSampleId :
WC-4

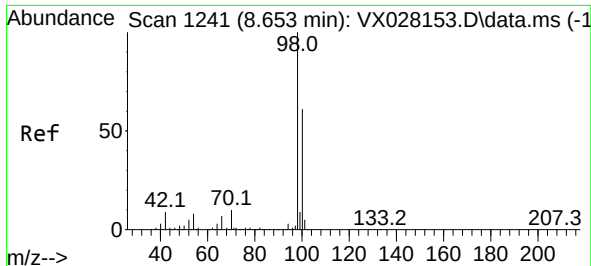
Tgt Ion: 41 Resp: 5826
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 1.803 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX028437.D
Acq: 29 Apr 2022 20:28

Tgt Ion: 88 Resp: 230
Ion Ratio Lower Upper
88 100
43 564531.7 21.9 32.9#
58 2610.0 53.7 80.5#

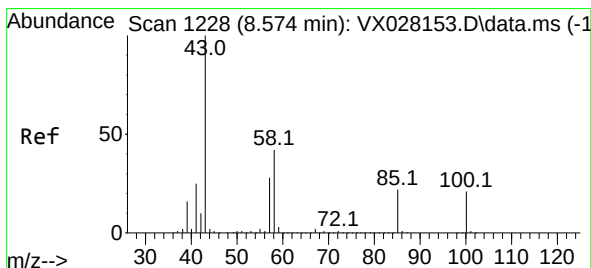
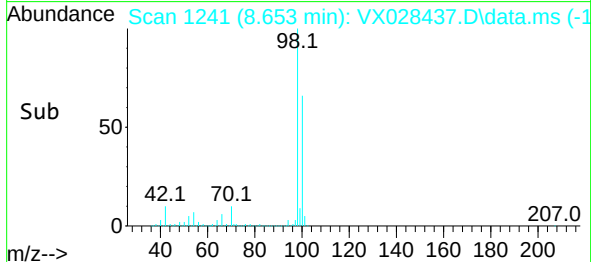
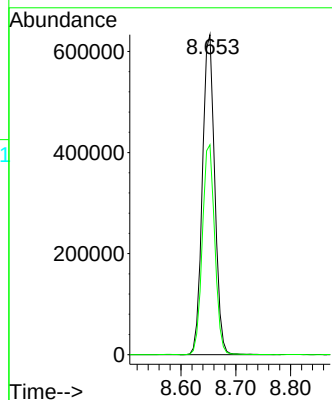
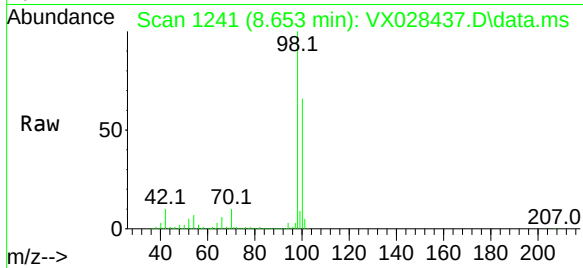




#50
Toluene-d8
Concen: 53.405 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028437.D
Acq: 29 Apr 2022 20:28

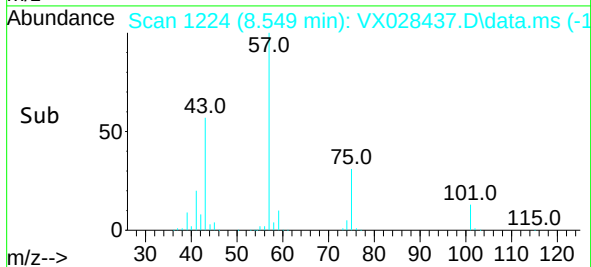
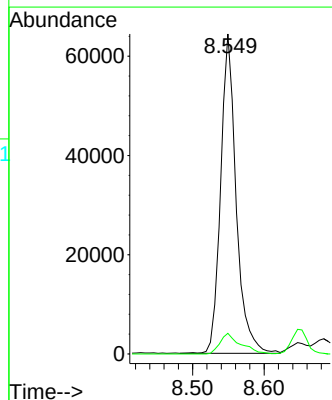
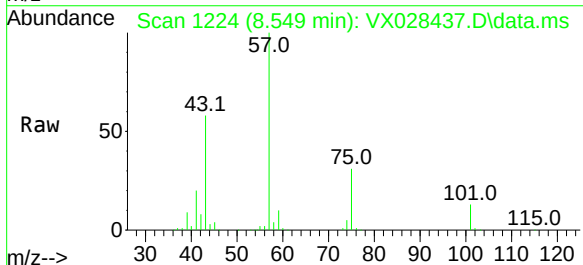
Instrument :
MSVOA_X
ClientSampleId :
WC-4

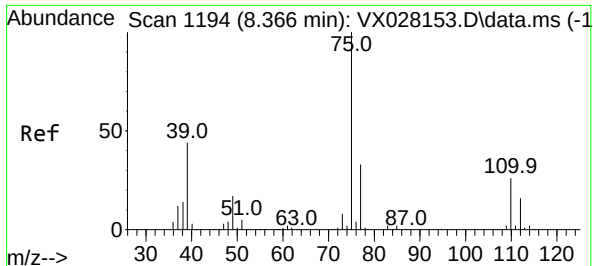
Tgt Ion: 98 Resp: 988835
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 14.547 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028437.D
Acq: 29 Apr 2022 20:28

Tgt Ion: 43 Resp: 96940
Ion Ratio Lower Upper
43 100
58 8.6 36.1 54.1#

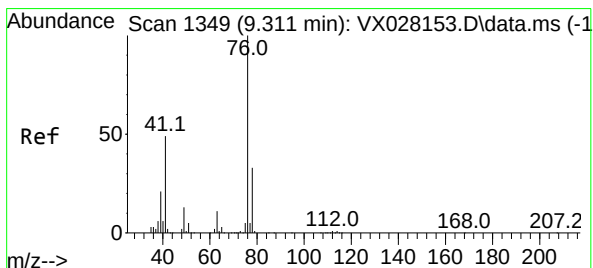
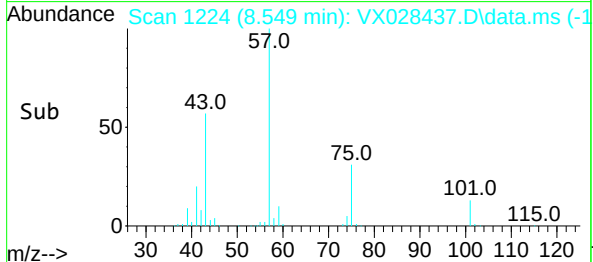
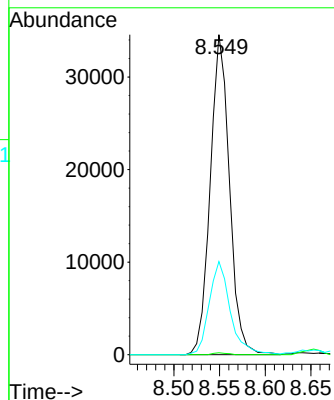
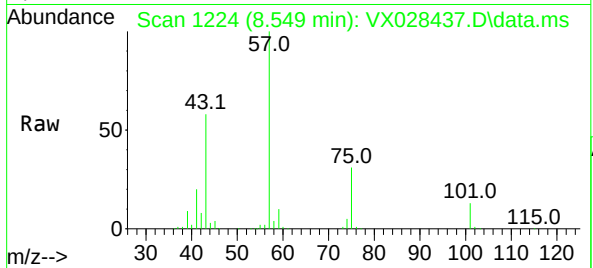




#54
 cis-1,3-Dichloropropene
 Concen: 6.512 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028437.D
 Acq: 29 Apr 2022 20:28

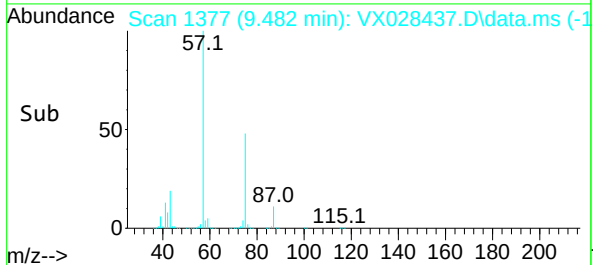
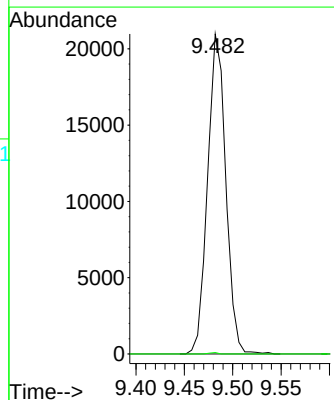
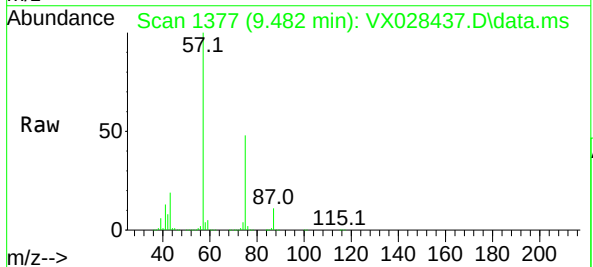
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-4

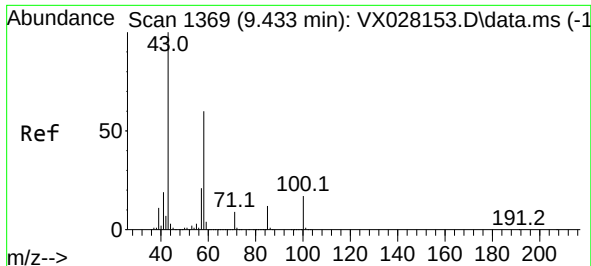
Tgt Ion: 75 Resp: 50487
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.8 37.2#
 39 29.1 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 3.273 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028437.D
 Acq: 29 Apr 2022 20:28

Tgt Ion: 76 Resp: 27452
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.8 38.8#

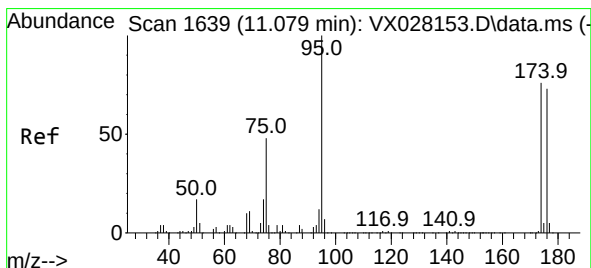
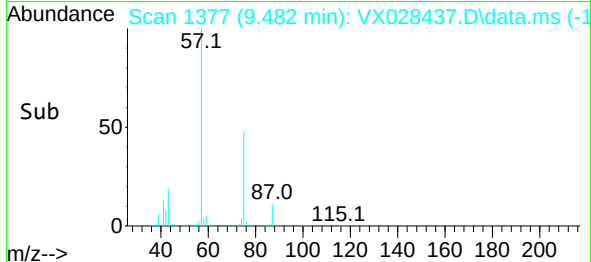
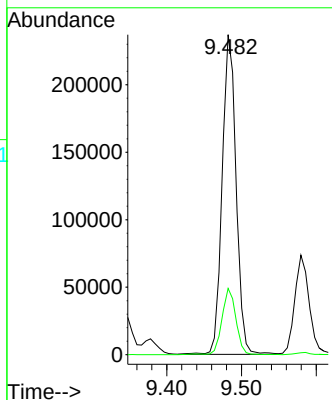
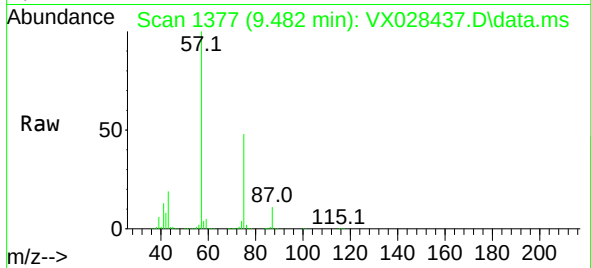




#59
2-Hexanone
Concen: 59.772 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX028437.D
Acq: 29 Apr 2022 20:28

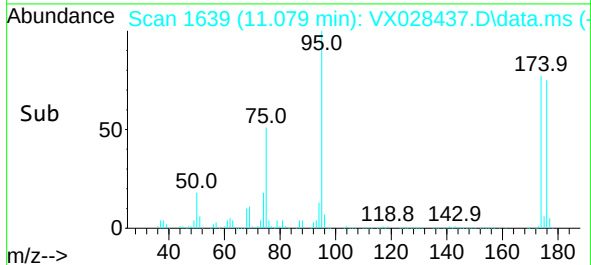
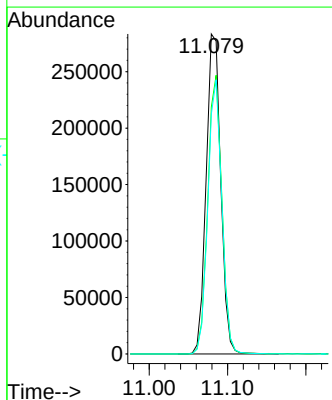
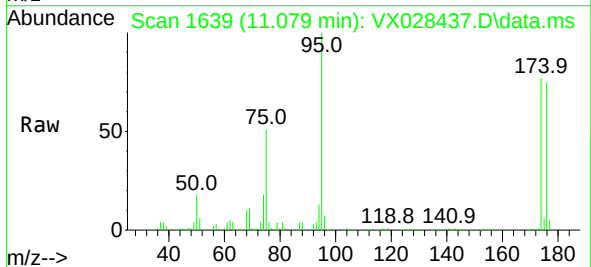
Instrument :
MSVOA_X
ClientSampleId :
WC-4

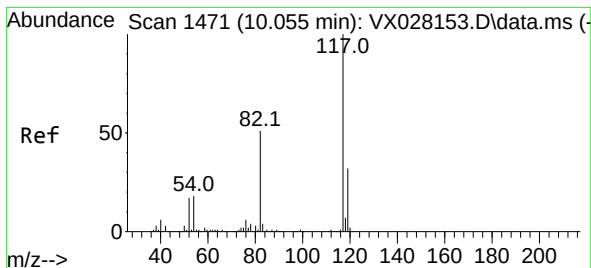
Tgt Ion: 43 Resp: 308541
Ion Ratio Lower Upper
43 100
58 20.2 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 51.675 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028437.D
Acq: 29 Apr 2022 20:28

Tgt Ion: 95 Resp: 365837
Ion Ratio Lower Upper
95 100
174 84.4 0.0 163.0
176 82.4 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: VX028437.D

Acq: 29 Apr 2022 20:28

Instrument :

MSVOA_X

ClientSampleId :

WC-4

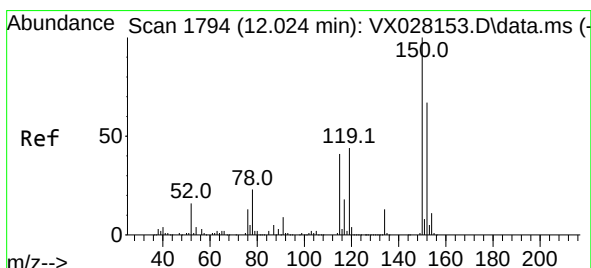
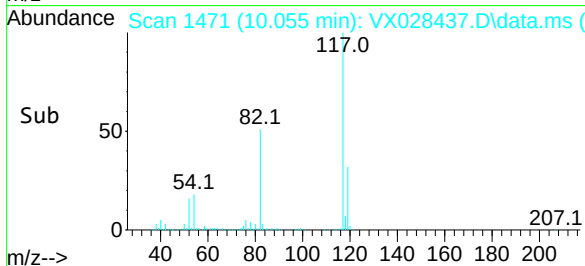
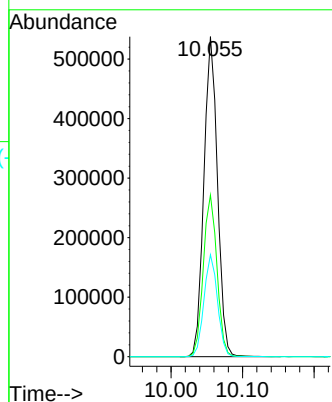
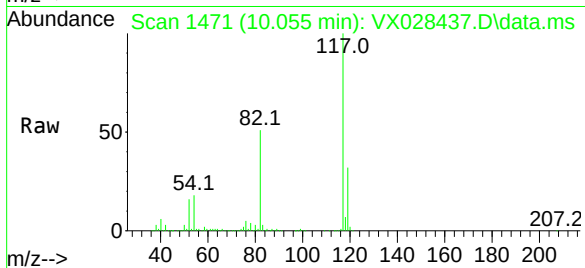
Tgt Ion:117 Resp: 710369

Ion Ratio Lower Upper

117 100

82 50.5 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# 1794

Delta R.T. 0.000 min

Lab File: VX028437.D

Acq: 29 Apr 2022 20:28

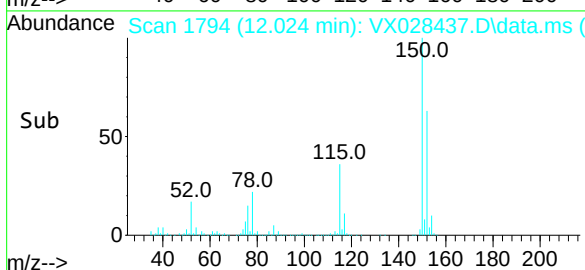
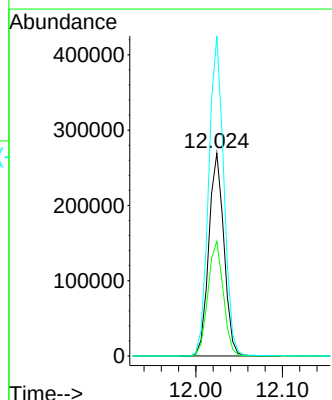
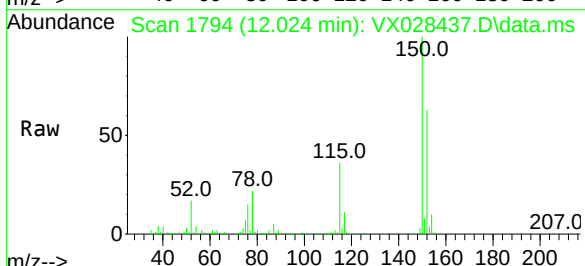
Tgt Ion:152 Resp: 326478

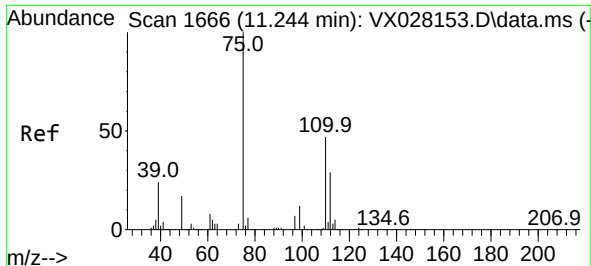
Ion Ratio Lower Upper

152 100

115 57.3 37.5 112.7

150 157.7 0.0 338.2

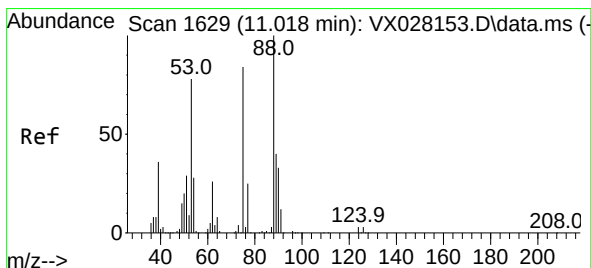
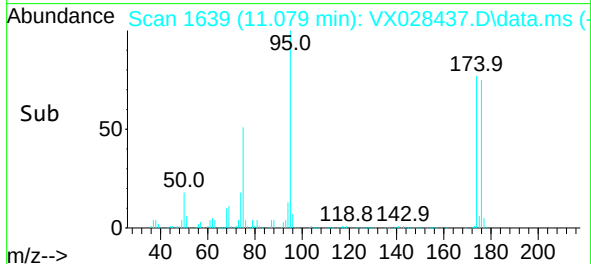
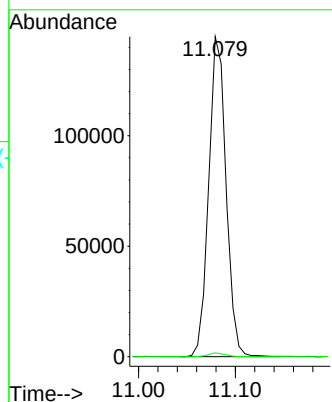
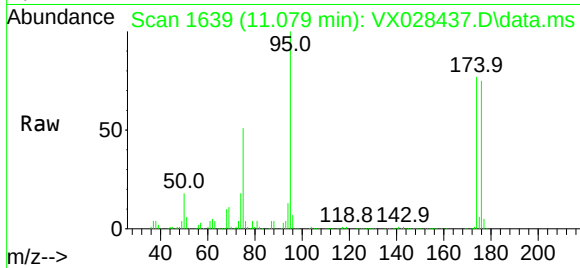




#76
1,2,3-Trichloropropane
Concen: 28.133 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028437.D
Acq: 29 Apr 2022 20:28

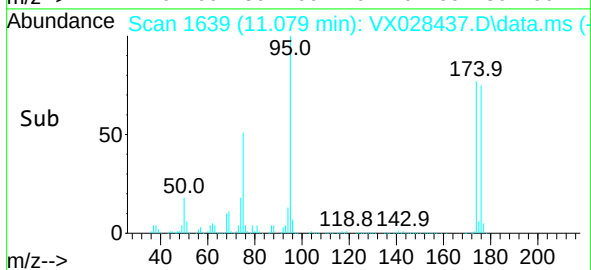
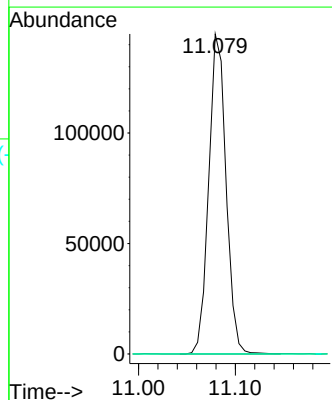
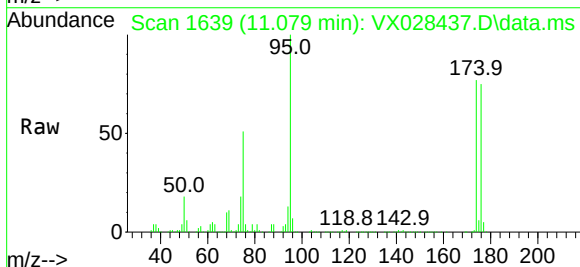
Instrument :
MSVOA_X
ClientSampleId :
WC-4

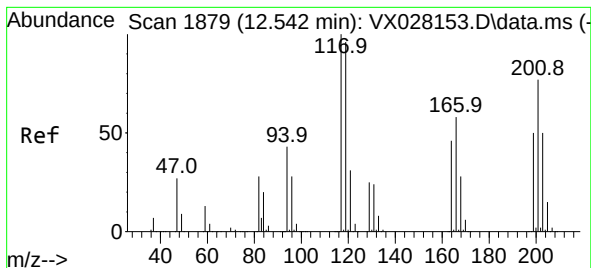
Tgt Ion: 75 Resp: 180764
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.604 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028437.D
Acq: 29 Apr 2022 20:28

Tgt Ion: 75 Resp: 180764
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#





#90

Hexachloroethane

Concen: 1.819 ug/l

RT: 12.542 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX028437.D

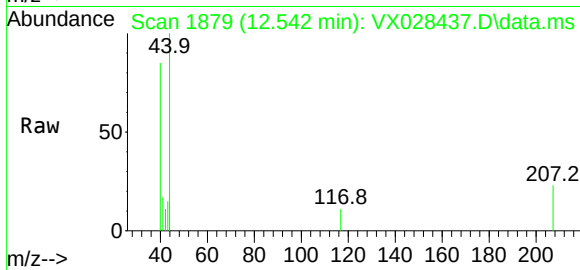
Acq: 29 Apr 2022 20:28

Instrument :

MSVOA_X

ClientSampleId :

WC-4



Tgt Ion:117 Resp: 19

Ion	Ratio	Lower	Upper
117	100		
201	0.0	39.5	118.5#

