

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028436.D
 Acq On : 29 Apr 2022 20:05
 Operator : JC/MD
 Sample : N2609-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-3

Quant Time: Apr 30 09:18:19 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)

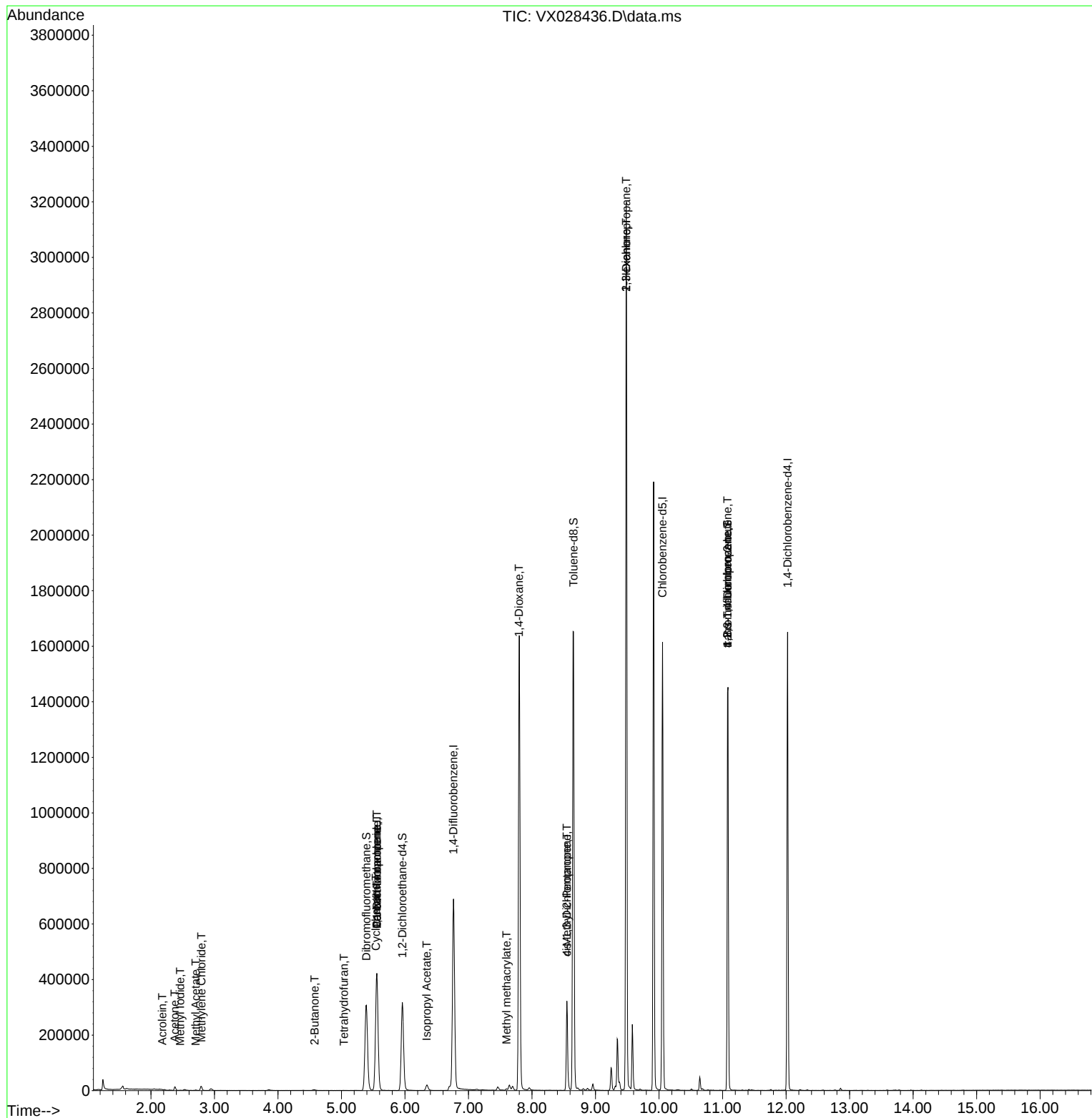
Internal Standards						
1) Pentafluorobenzene	5.556	168	408916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	717781	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	743573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	351596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	295776	55.474	ug/l	0.00
Spiked Amount 50.000	Range	61 - 141	Recovery	=	110.940%	
35) Dibromofluoromethane	5.391	113	267611	53.163	ug/l	0.00
Spiked Amount 50.000	Range	69 - 133	Recovery	=	106.320%	
50) Toluene-d8	8.653	98	1028214	53.183	ug/l	0.00
Spiked Amount 50.000	Range	65 - 126	Recovery	=	106.360%	
62) 4-Bromofluorobenzene	11.079	95	387695	52.445	ug/l	0.00
Spiked Amount 50.000	Range	58 - 135	Recovery	=	104.900%	
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	531	Below Cal		91
5) Bromomethane	1.617	94	1398	Below Cal	#	80
6) Chloroethane	1.672	64	1262	Below Cal	#	43
8) Diethyl Ether	2.135	74	132	Below Cal	#	1
10) Methyl Iodide	2.459	142	939	5.420	ug/l #	73
11) Tert butyl alcohol	2.940	59	3815	Below Cal	#	76
13) Acrolein	2.178	56	144	0.220	ug/l #	15
16) Acetone	2.373	43	13352	6.841	ug/l	99
18) Methyl Acetate	2.702	43	1901	0.401	ug/l	99
20) Methylene Chloride	2.794	84	6984	1.765	ug/l	97
25) 2-Butanone	4.574	43	3764	1.192	ug/l #	86
29) Tetrahydrofuran	5.037	42	566	0.275	ug/l #	41
31) Cyclohexane	5.543	56	8359	1.287	ug/l #	24
36) 1,1-Dichloropropene	5.556	75	30495	4.644	ug/l #	50
38) Carbon Tetrachloride	5.556	117	40531	5.468	ug/l #	15
43) Isopropyl Acetate	6.342	43	26339	2.429	ug/l	97
48) Methyl methacrylate	7.598	41	7607	1.528	ug/l #	7
49) 1,4-Dioxane	7.793	88	262	1.967	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	102394	14.716	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	54223	6.698	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	29797	3.403	ug/l #	43
59) 2-Hexanone	9.482	43	342846	63.608	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	192475	27.816	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	192475	82.661	ug/l #	15

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

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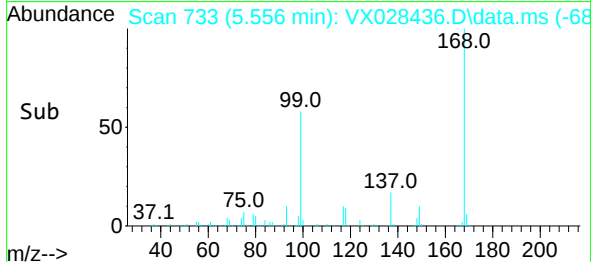
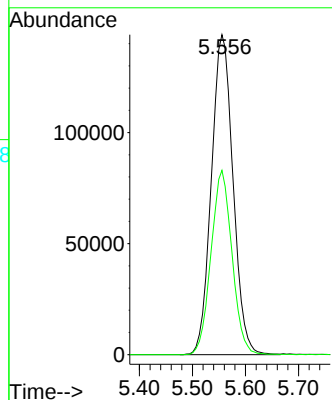
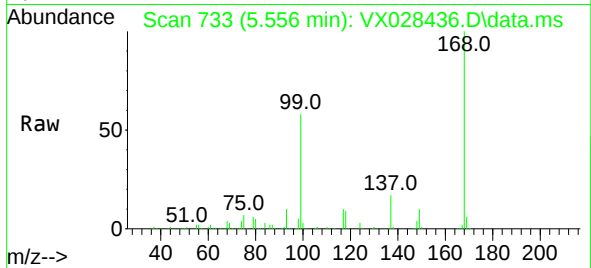




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028436.D
Acq: 29 Apr 2022 20:05

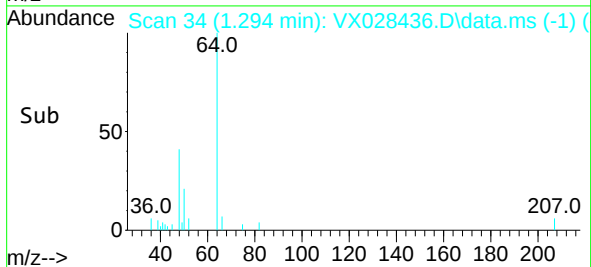
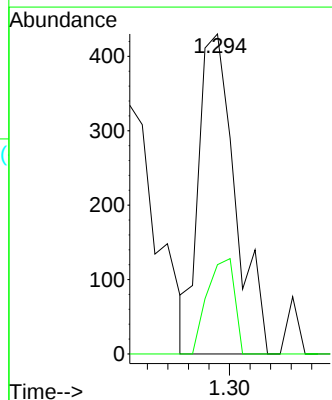
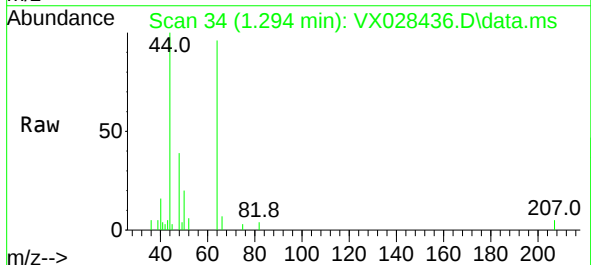
Instrument :
MSVOA_X
ClientSampleId :
WC-3

Tgt Ion:168 Resp: 408916
Ion Ratio Lower Upper
168 100
99 57.6 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028436.D
Acq: 29 Apr 2022 20:05

Tgt Ion: 50 Resp: 531
Ion Ratio Lower Upper
50 100
52 27.9 26.4 39.6

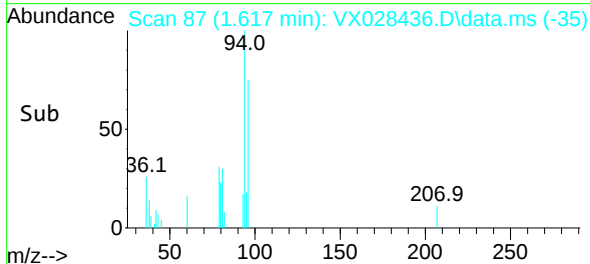
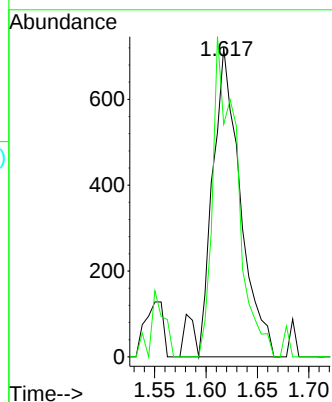
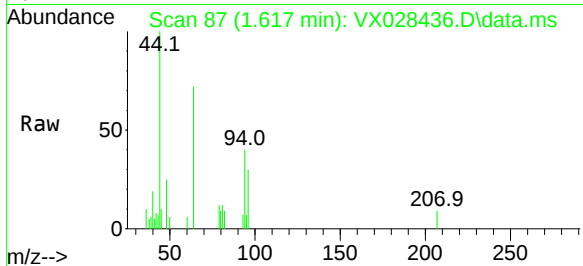




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028436.D
Acq: 29 Apr 2022 20:05

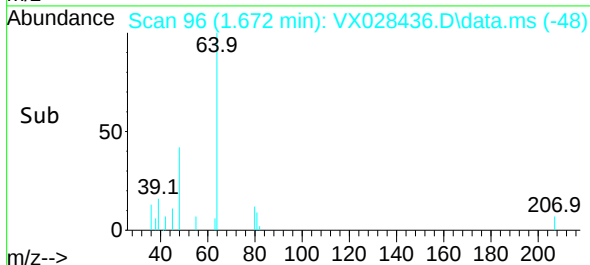
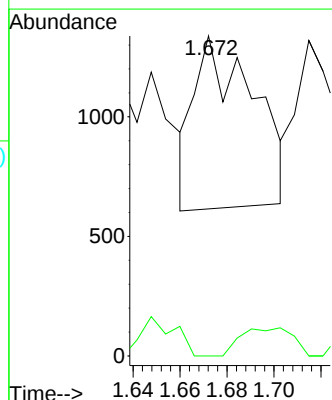
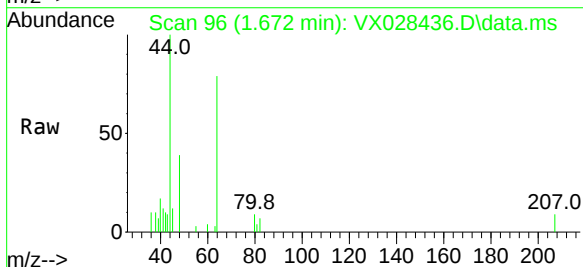
Instrument :
MSVOA_X
ClientSampleId :
WC-3

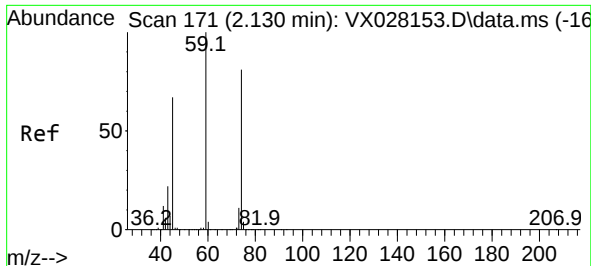
Tgt Ion: 94 Resp: 1398
Ion Ratio Lower Upper
94 100
96 75.2 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX028436.D
Acq: 29 Apr 2022 20:05

Tgt Ion: 64 Resp: 1262
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

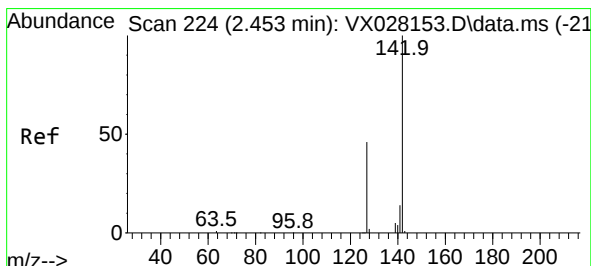
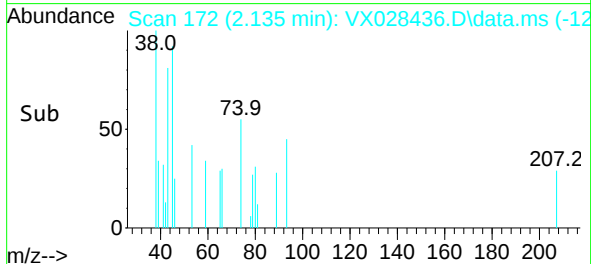
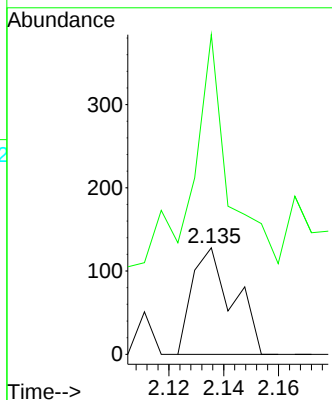
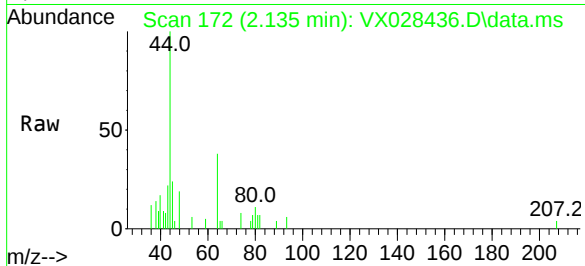




#8
Diethyl Ether
Concen: Below Cal
RT: 2.135 min Scan# 11
Delta R.T. 0.005 min
Lab File: VX028436.D
Acq: 29 Apr 2022 20:05

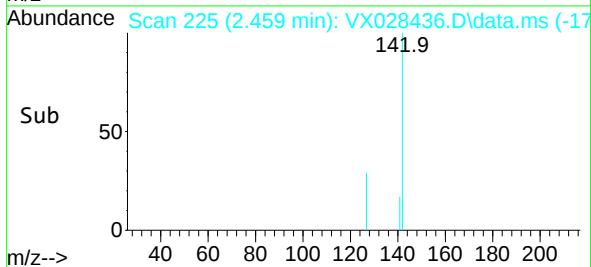
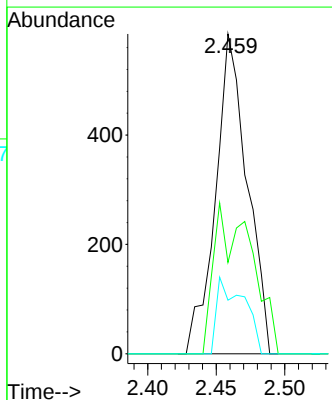
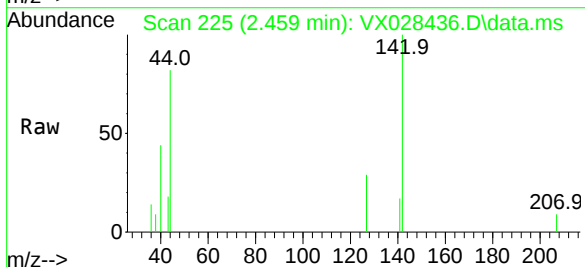
Instrument :
MSVOA_X
ClientSampleId :
WC-3

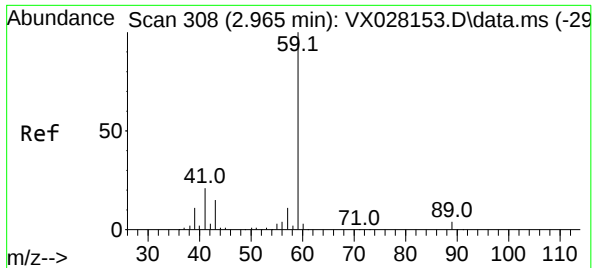
Tgt Ion: 74 Resp: 132
Ion Ratio Lower Upper
74 100
45 347.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.420 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028436.D
Acq: 29 Apr 2022 20:05

Tgt Ion:142 Resp: 939
Ion Ratio Lower Upper
142 100
127 22.8 33.9 50.9#
141 20.2 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.940 min Scan# 308

Delta R.T. -0.025 min

Lab File: VX028436.D

Acq: 29 Apr 2022 20:05

Instrument :

MSVOA_X

ClientSampleId :

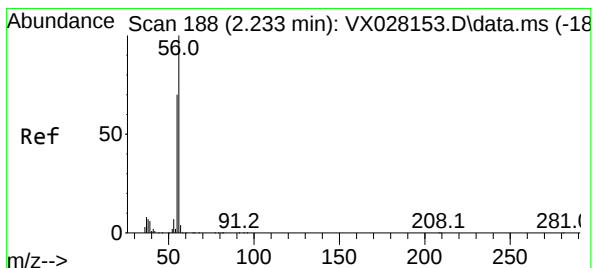
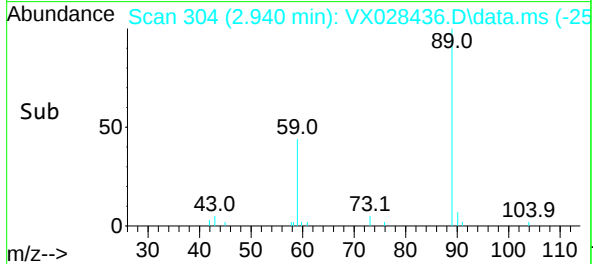
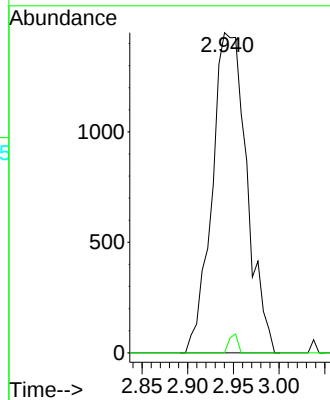
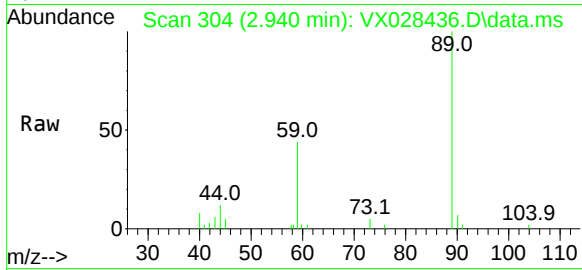
WC-3

Tgt Ion: 59 Resp: 3815

Ion Ratio Lower Upper

59 100

57 1.5 8.3 12.5#



#13

Acrolein

Concen: 0.220 ug/l

RT: 2.178 min Scan# 179

Delta R.T. -0.055 min

Lab File: VX028436.D

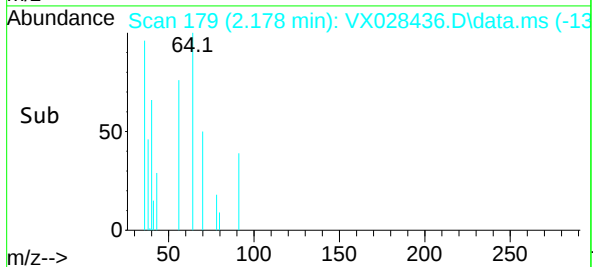
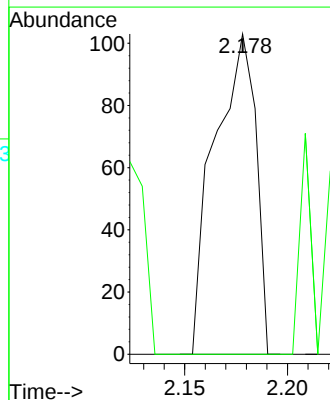
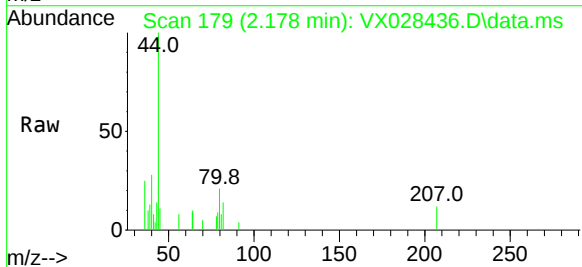
Acq: 29 Apr 2022 20:05

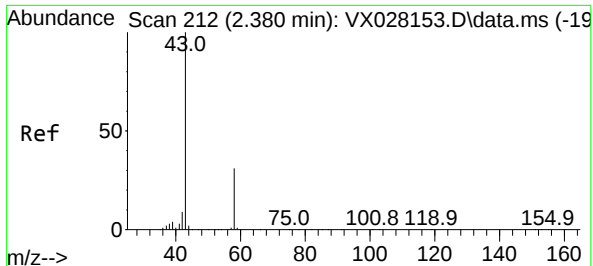
Tgt Ion: 56 Resp: 144

Ion Ratio Lower Upper

56 100

55 0.0 55.0 82.6#

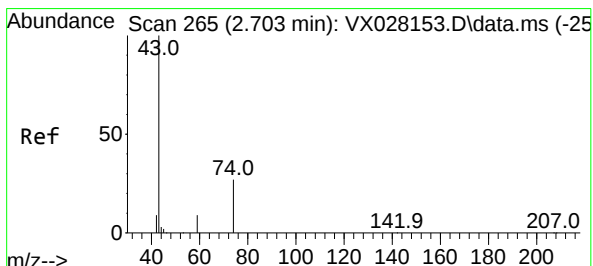
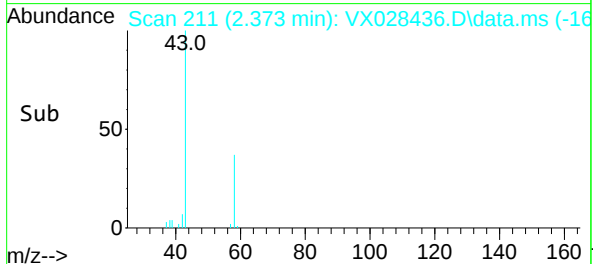
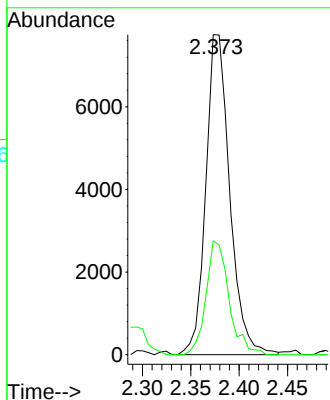
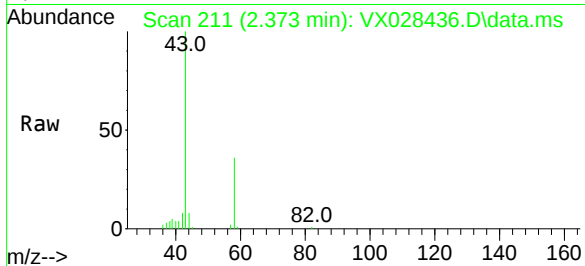




#16
Acetone
Concen: 6.841 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX028436.D
Acq: 29 Apr 2022 20:05

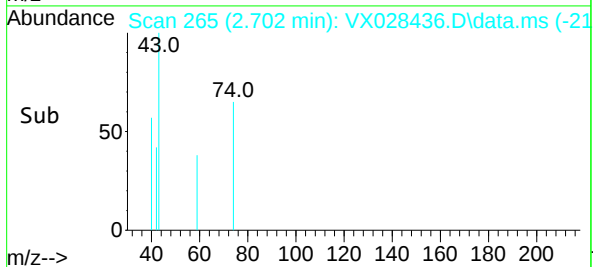
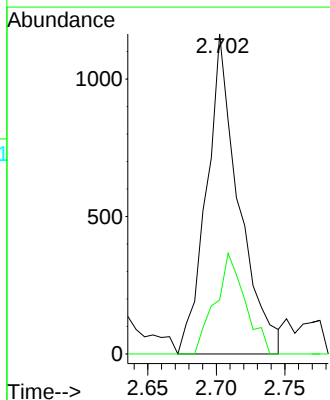
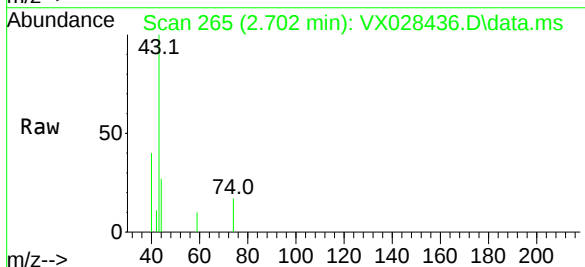
Instrument :
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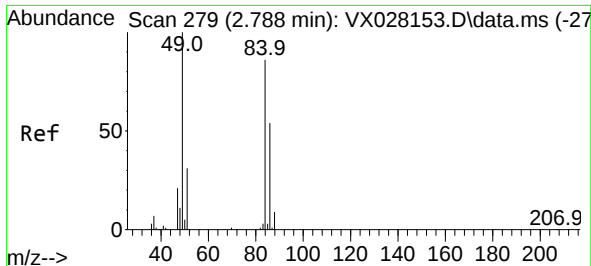
Tgt Ion: 43 Resp: 13352
Ion Ratio Lower Upper
43 100
58 35.5 28.8 43.2



#18
Methyl Acetate
Concen: 0.401 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.001 min
Lab File: VX028436.D
Acq: 29 Apr 2022 20:05

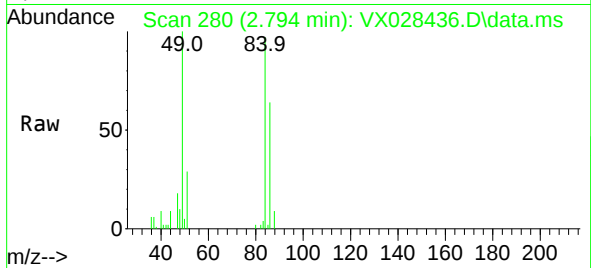
Tgt Ion: 43 Resp: 1901
Ion Ratio Lower Upper
43 100
74 28.9 22.8 34.2



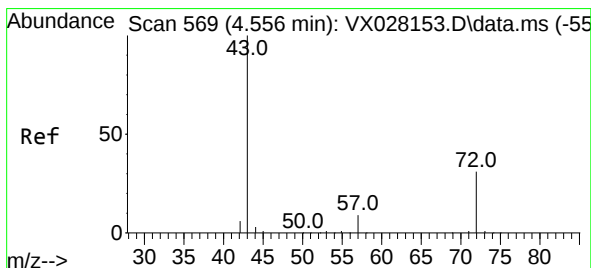
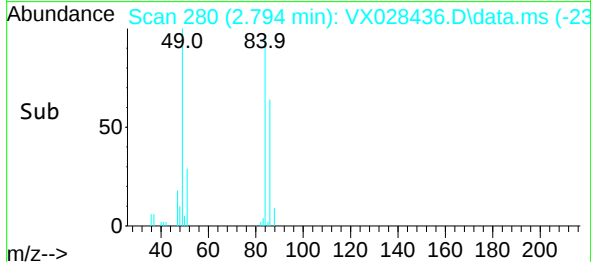
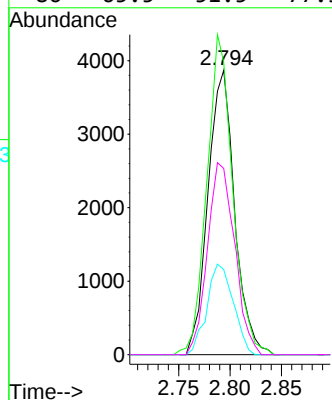


#20
Methylene Chloride
Concen: 1.765 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028436.D
Acq: 29 Apr 2022 20:05

Instrument :
MSVOA_X
ClientSampleId :
WC-3

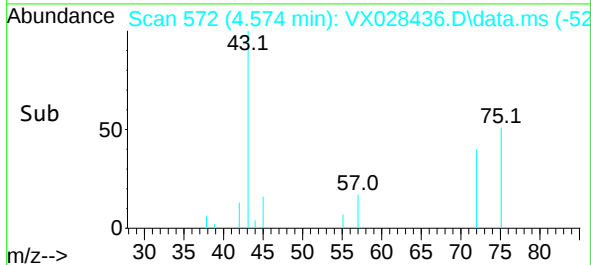
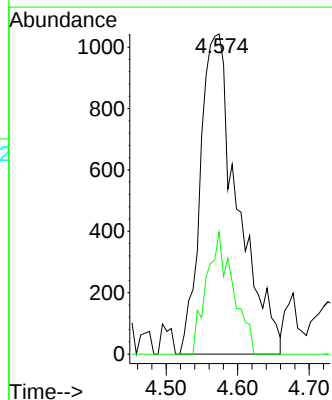
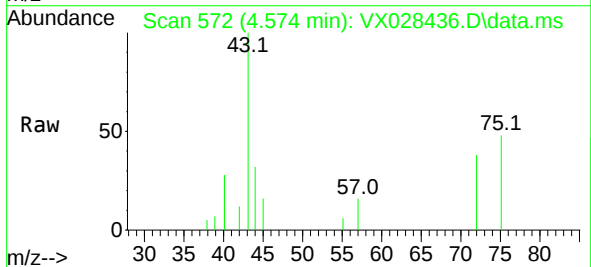


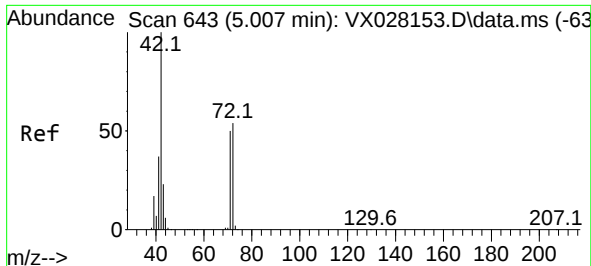
Tgt Ion: 84	Resp: 6984
Ion Ratio	Lower Upper
84 100	
49 102.8	85.5 128.3
51 29.9	26.6 39.8
86 65.5	51.5 77.3



#25
2-Butanone
Concen: 1.192 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX028436.D
Acq: 29 Apr 2022 20:05

Tgt Ion: 43	Resp: 3764
Ion Ratio	Lower Upper
43 100	
72 38.2	24.4 36.6#





#29

Tetrahydrofuran

Concen: 0.275 ug/l

RT: 5.037 min Scan# 643

Delta R.T. 0.030 min

Lab File: VX028436.D

Acq: 29 Apr 2022 20:05

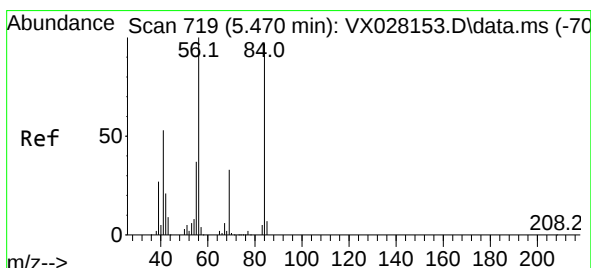
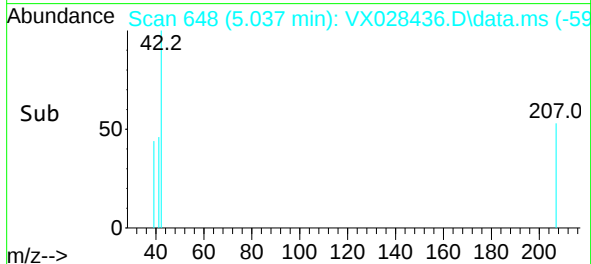
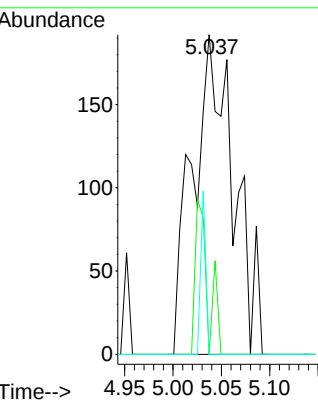
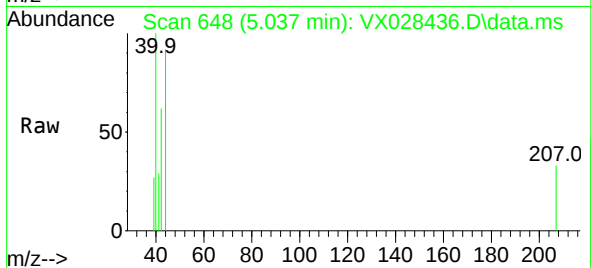
Instrument :

MSVOA_X

ClientSampleId :

WC-3

Tgt Ion: 42	Resp: 566
Ion Ratio	Lower Upper
42	100
72	15.0 44.1 66.1#
71	6.4 40.5 60.7#



#31

Cyclohexane

Concen: 1.287 ug/l

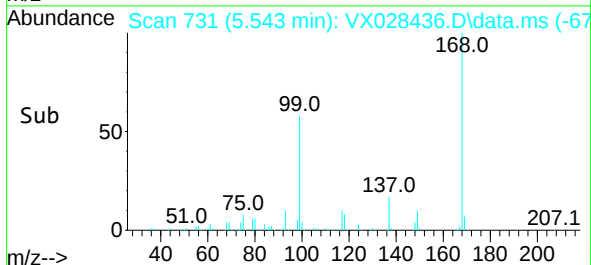
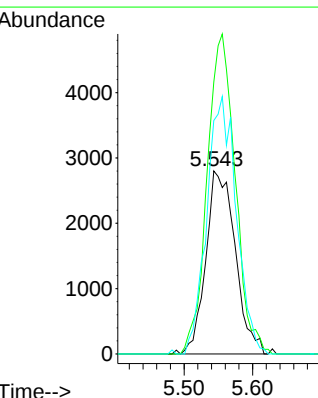
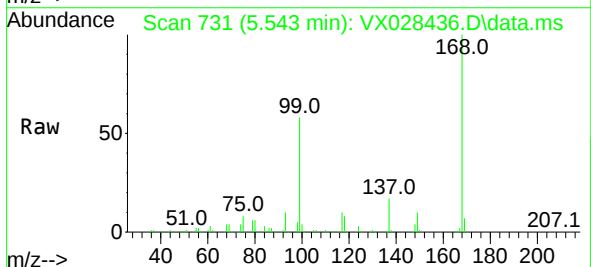
RT: 5.543 min Scan# 731

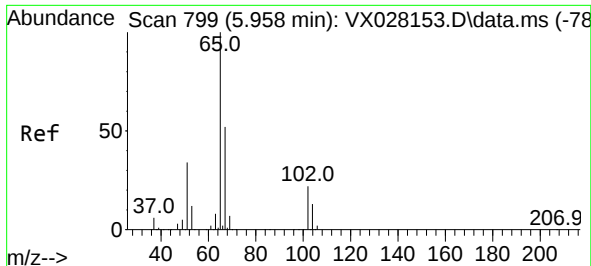
Delta R.T. 0.073 min

Lab File: VX028436.D

Acq: 29 Apr 2022 20:05

Tgt Ion: 56	Resp: 8359
Ion Ratio	Lower Upper
56	100
69	148.5 26.7 40.1#
84	127.6 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 55.474 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX028436.D

Acq: 29 Apr 2022 20:05

Instrument :

MSVOA_X

ClientSampleId :

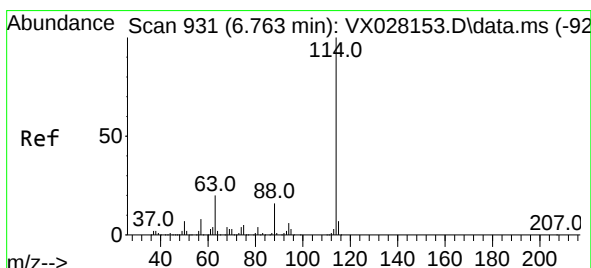
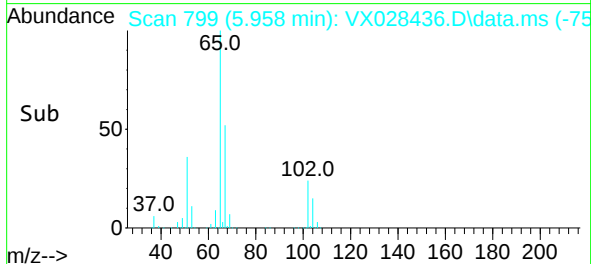
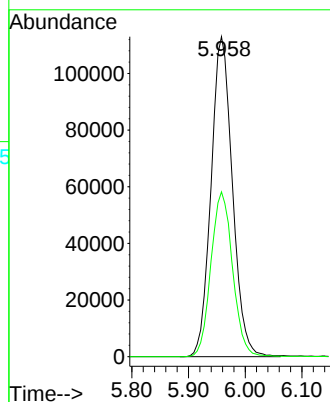
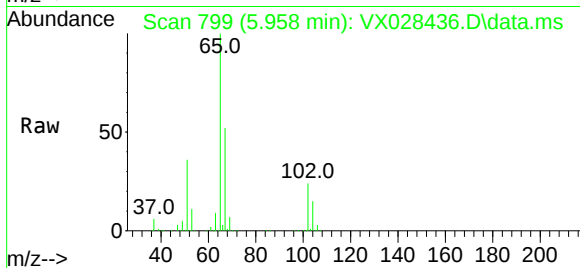
WC-3

Tgt Ion: 65 Resp: 295776

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: VX028436.D

Acq: 29 Apr 2022 20:05

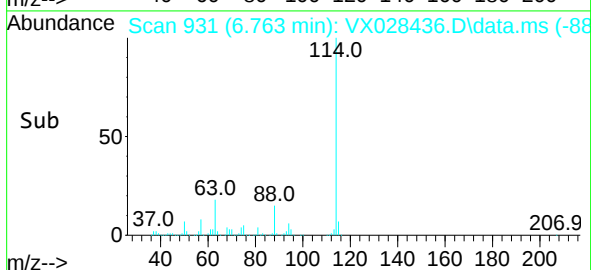
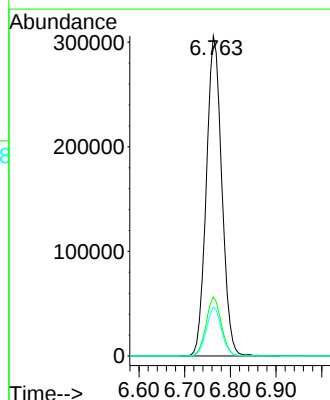
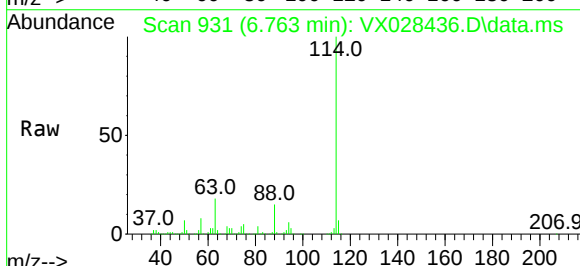
Tgt Ion: 114 Resp: 717781

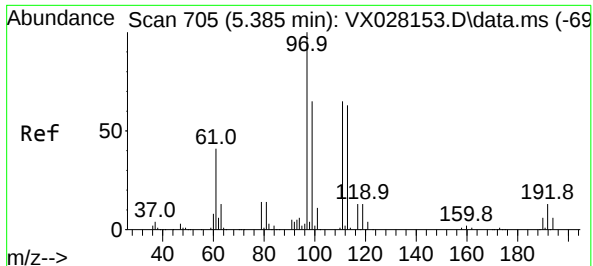
Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.8

88 15.3 0.0 32.4

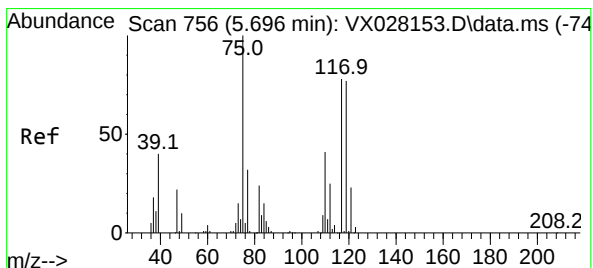
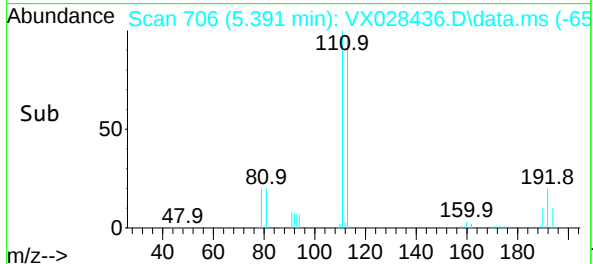
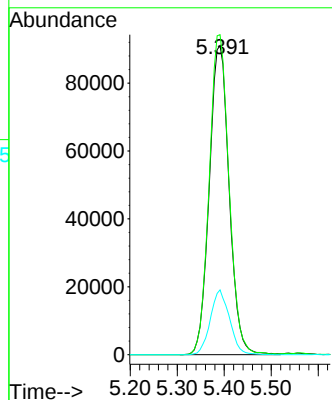
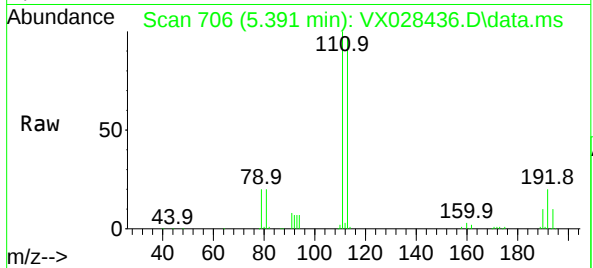




#35
Dibromofluoromethane
Concen: 53.163 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028436.D
Acq: 29 Apr 2022 20:05

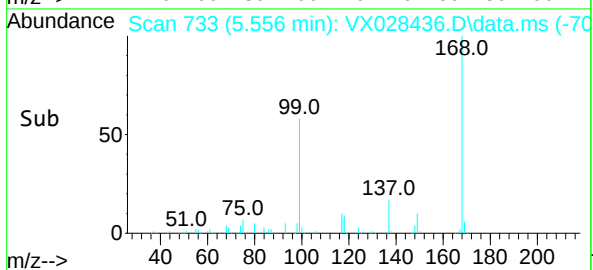
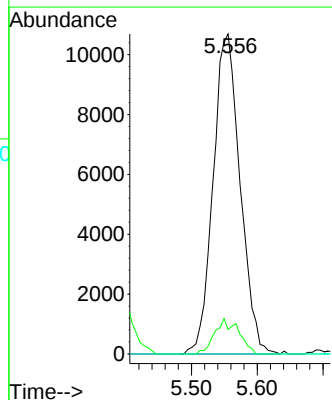
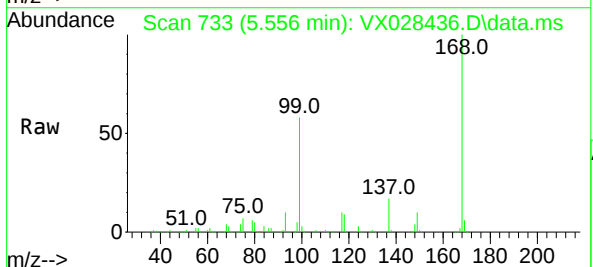
Instrument :
MSVOA_X
ClientSampleId :
WC-3

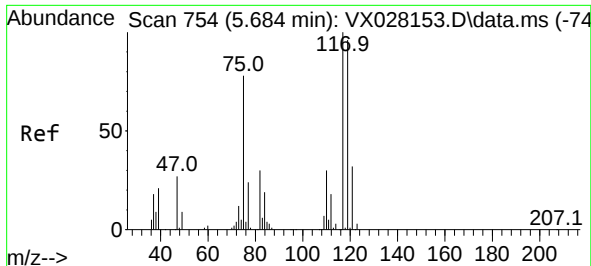
Tgt Ion:113 Resp: 267611
Ion Ratio Lower Upper
113 100
111 103.1 82.8 124.2
192 20.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.644 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX028436.D
Acq: 29 Apr 2022 20:05

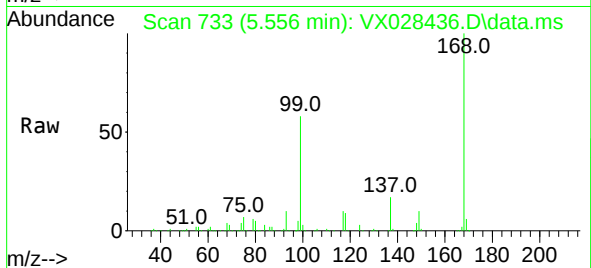
Tgt Ion: 75 Resp: 30495
Ion Ratio Lower Upper
75 100
110 9.9 18.3 54.8#
77 0.0 24.8 37.2#



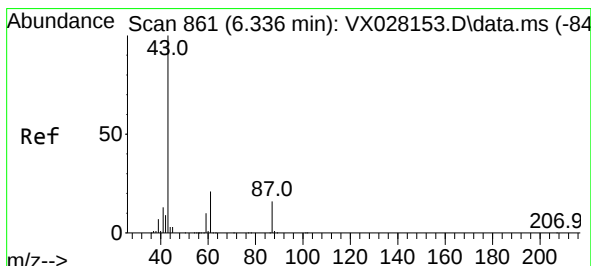
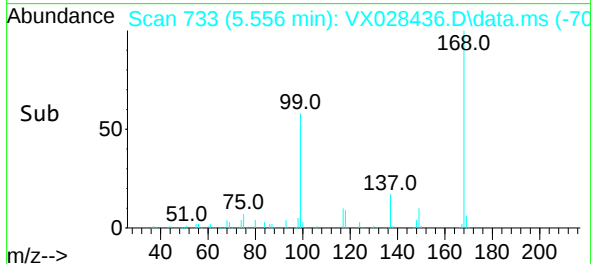
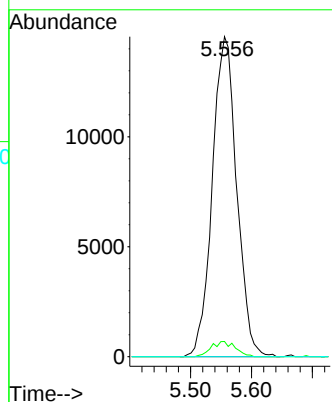


#38
Carbon Tetrachloride
Concen: 5.468 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028436.D
Acq: 29 Apr 2022 20:05

Instrument :
MSVOA_X
ClientSampleId :
WC-3

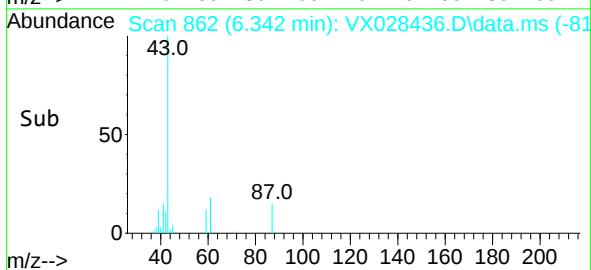
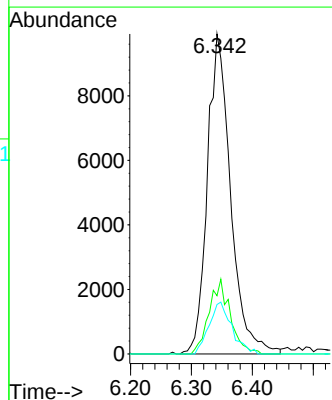
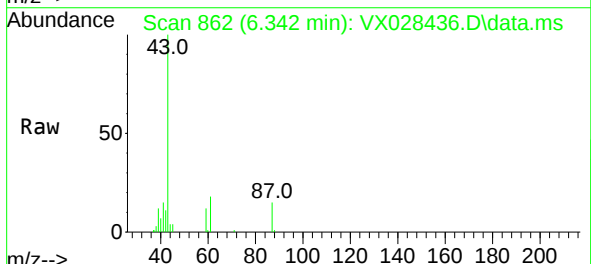


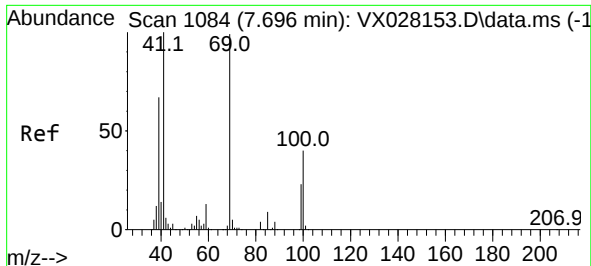
Tgt Ion:117 Resp: 40531
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.429 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028436.D
Acq: 29 Apr 2022 20:05

Tgt Ion: 43 Resp: 26339
Ion Ratio Lower Upper
43 100
61 21.3 18.5 27.7
87 15.8 13.0 19.6

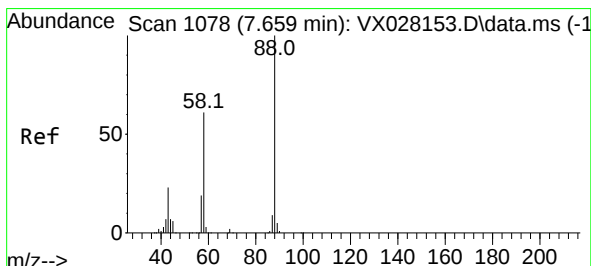
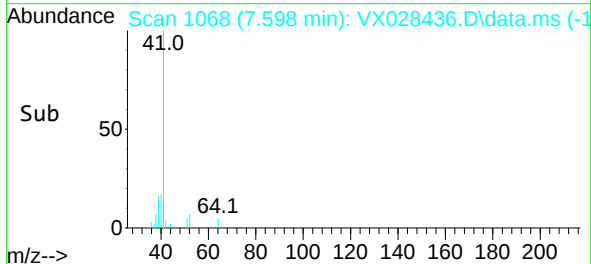
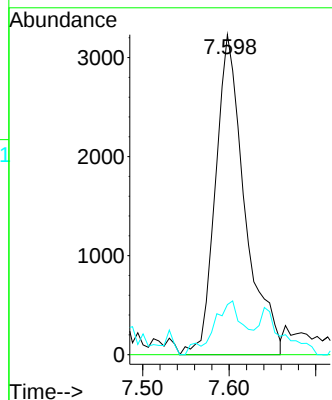
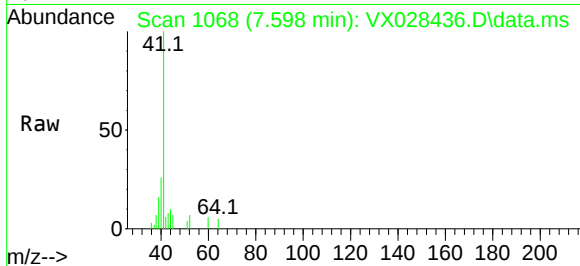




#48
Methyl methacrylate
Concen: 1.528 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028436.D
Acq: 29 Apr 2022 20:05

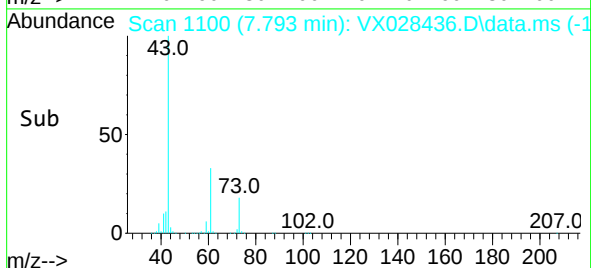
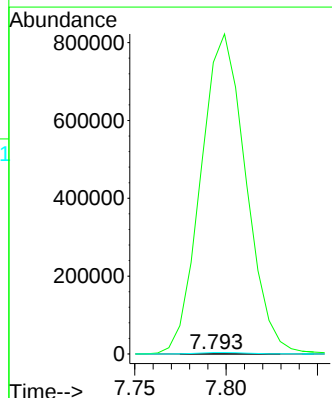
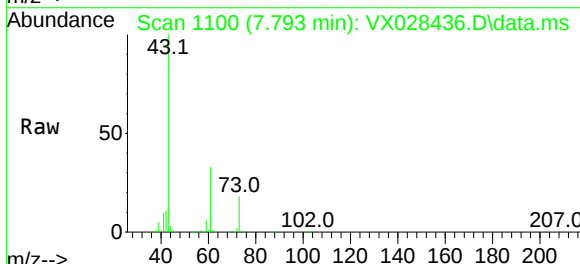
Instrument :
MSVOA_X
ClientSampleId :
WC-3

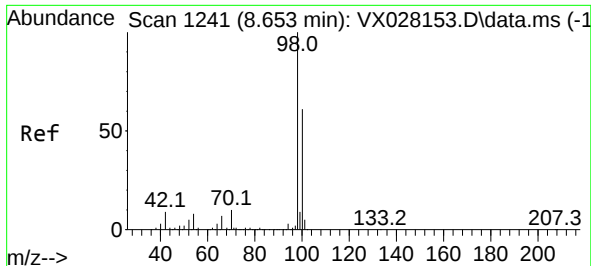
Tgt Ion: 41 Resp: 7607
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 1.967 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX028436.D
Acq: 29 Apr 2022 20:05

Tgt Ion: 88 Resp: 262
Ion Ratio Lower Upper
88 100
43 543101.1 21.9 32.9#
58 2666.0 53.7 80.5#

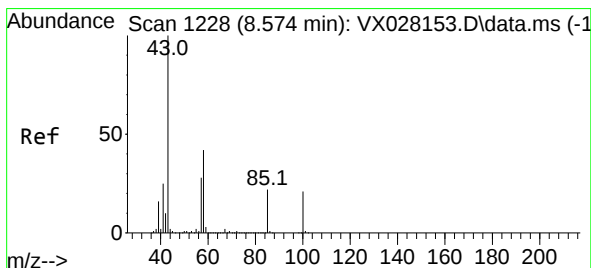
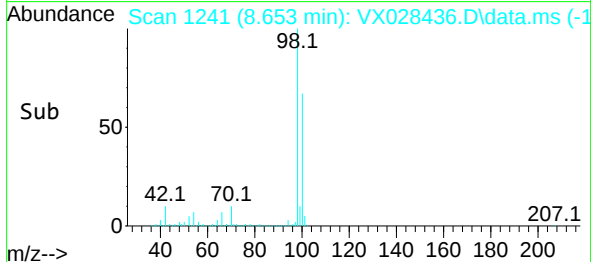
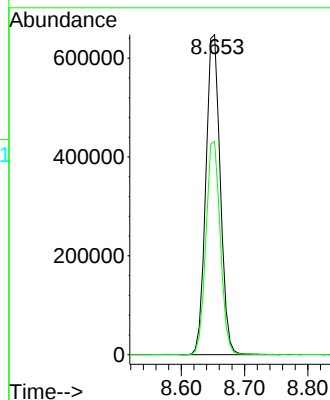
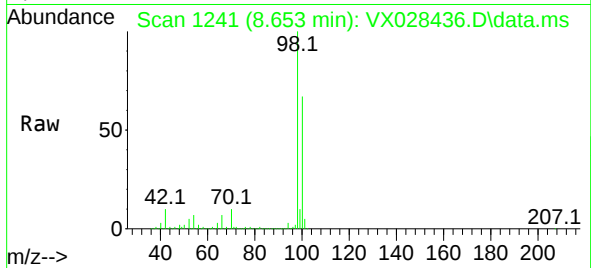




#50
Toluene-d8
Concen: 53.183 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028436.D
Acq: 29 Apr 2022 20:05

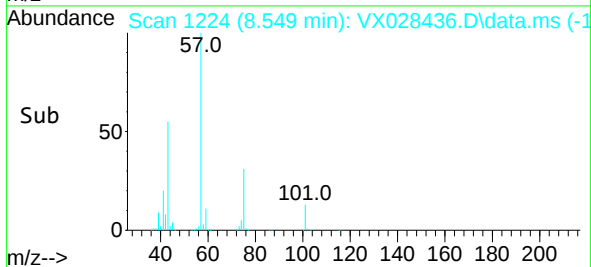
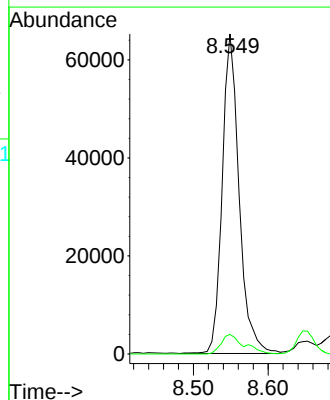
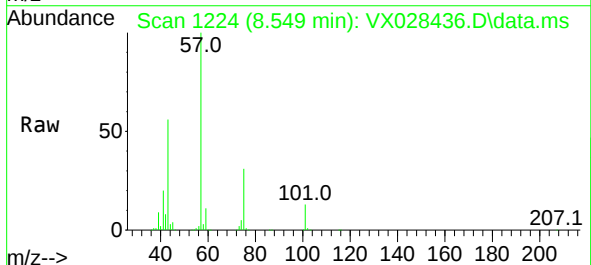
Instrument :
MSVOA_X
ClientSampleId :
WC-3

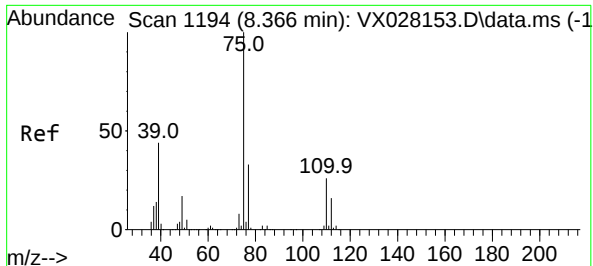
Tgt Ion: 98 Resp: 1028214
Ion Ratio Lower Upper
98 100
100 66.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 14.716 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028436.D
Acq: 29 Apr 2022 20:05

Tgt Ion: 43 Resp: 102394
Ion Ratio Lower Upper
43 100
58 8.3 36.1 54.1#

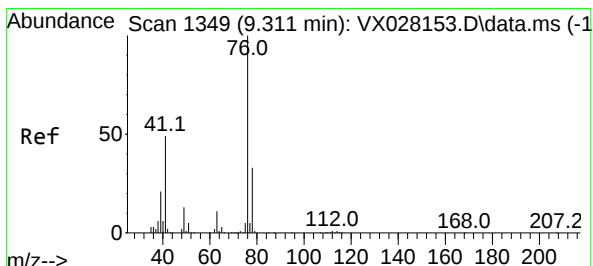
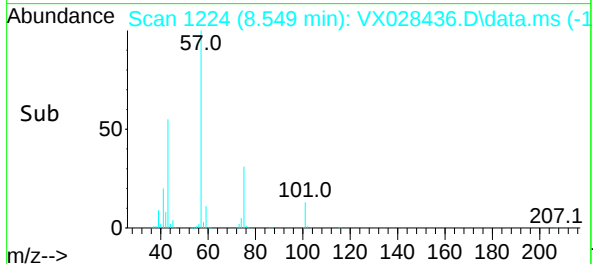
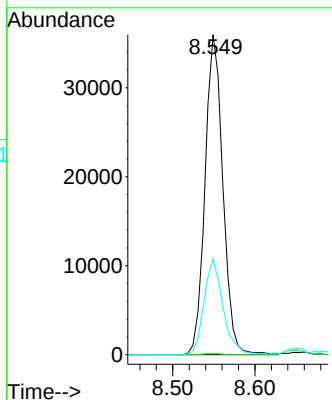
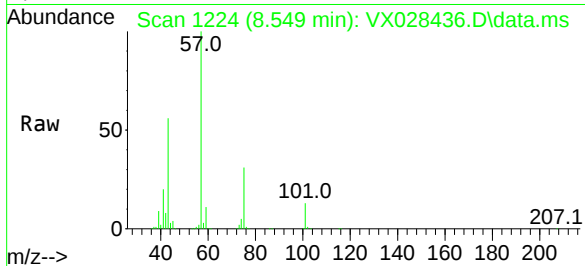




#54
cis-1,3-Dichloropropene
Concen: 6.698 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX028436.D
Acq: 29 Apr 2022 20:05

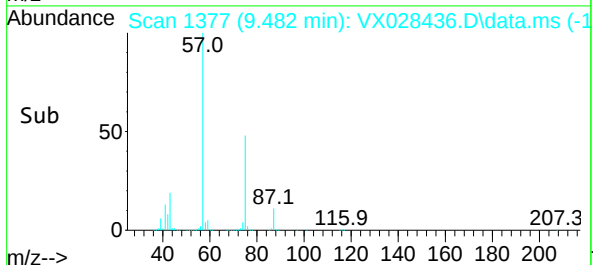
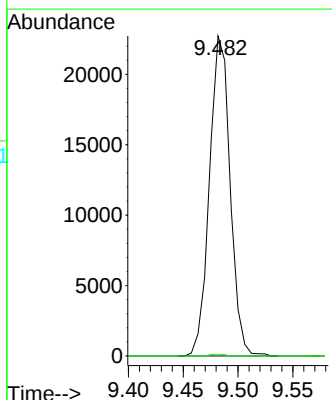
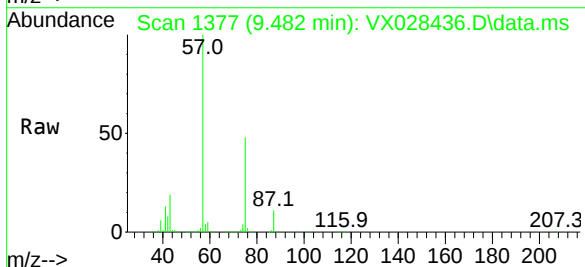
Instrument :
MSVOA_X
ClientSampleId :
WC-3

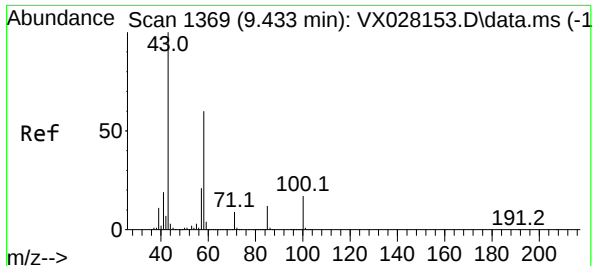
Tgt Ion: 75 Resp: 54223
Ion Ratio Lower Upper
75 100
77 0.3 24.8 37.2#
39 29.7 29.6 44.4



#57
1,3-Dichloropropane
Concen: 3.403 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028436.D
Acq: 29 Apr 2022 20:05

Tgt Ion: 76 Resp: 29797
Ion Ratio Lower Upper
76 100
78 0.4 25.8 38.8#





#59

2-Hexanone

Concen: 63.608 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX028436.D

Acq: 29 Apr 2022 20:05

Instrument :

MSVOA_X

ClientSampleId :

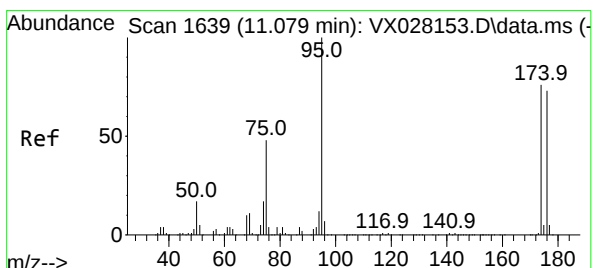
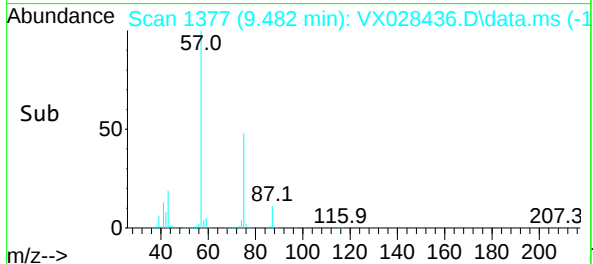
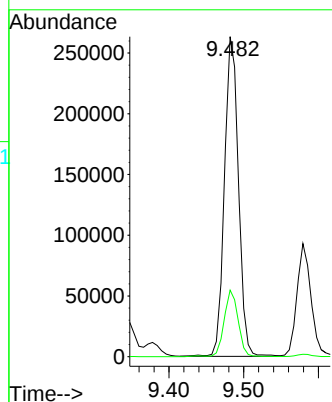
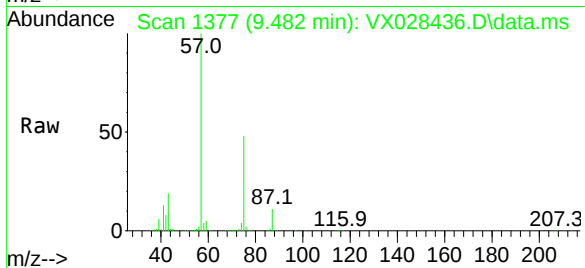
WC-3

Tgt Ion: 43 Resp: 342846

Ion Ratio Lower Upper

43 100

58 20.5 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 52.445 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX028436.D

Acq: 29 Apr 2022 20:05

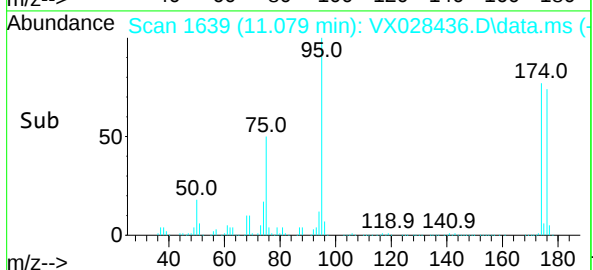
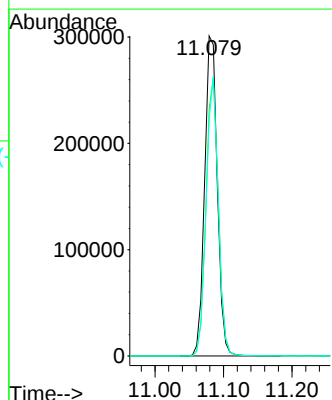
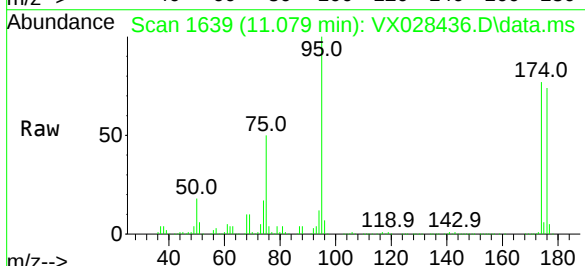
Tgt Ion: 95 Resp: 387695

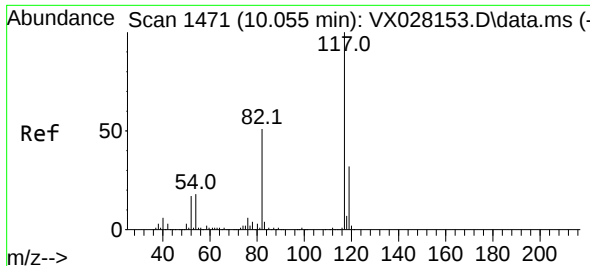
Ion Ratio Lower Upper

95 100

174 85.3 0.0 163.0

176 83.3 0.0 155.0

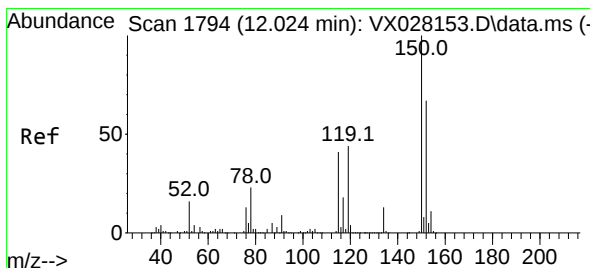
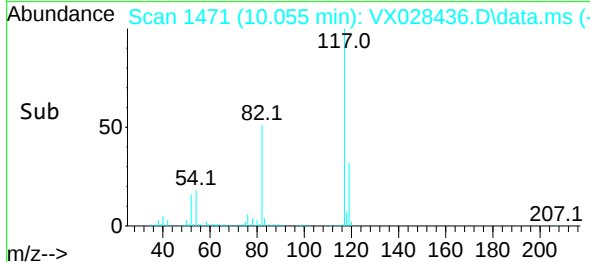
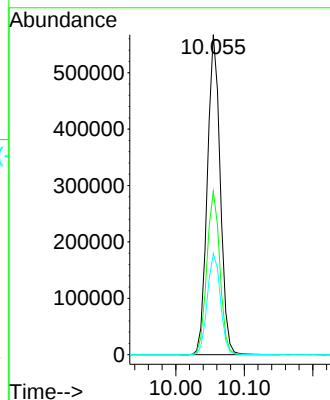
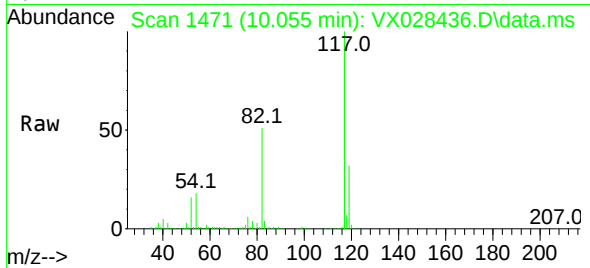




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028436.D
Acq: 29 Apr 2022 20:05

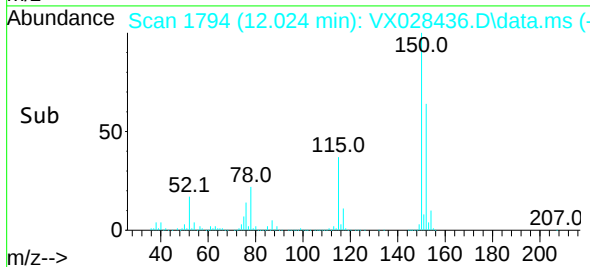
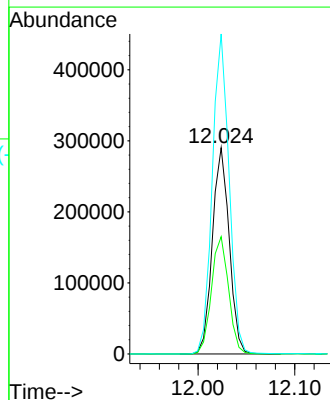
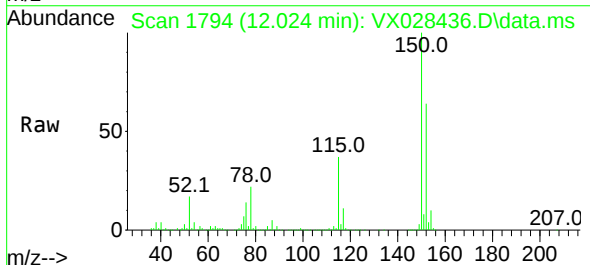
Instrument :
MSVOA_X
ClientSampleId :
WC-3

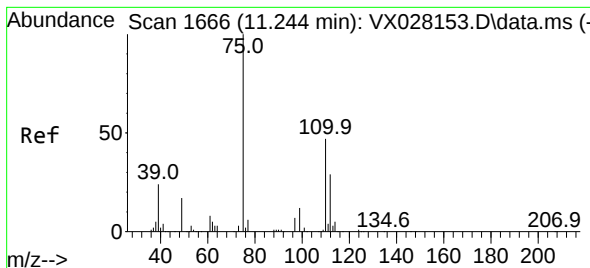
Tgt Ion:117 Resp: 743573
Ion Ratio Lower Upper
117 100
82 51.1 41.8 62.8
119 31.6 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX028436.D
Acq: 29 Apr 2022 20:05

Tgt Ion:152 Resp: 351596
Ion Ratio Lower Upper
152 100
115 57.9 37.5 112.7
150 154.6 0.0 338.2





#76

1,2,3-Trichloropropane

Concen: 27.816 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX028436.D

Acq: 29 Apr 2022 20:05

Instrument :

MSVOA_X

ClientSampleId :

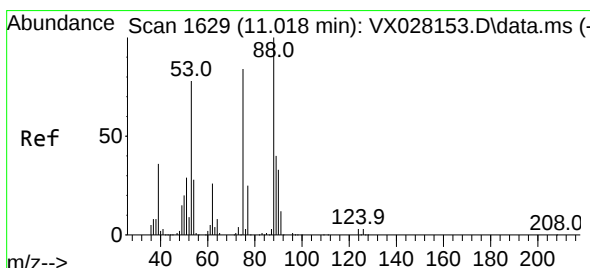
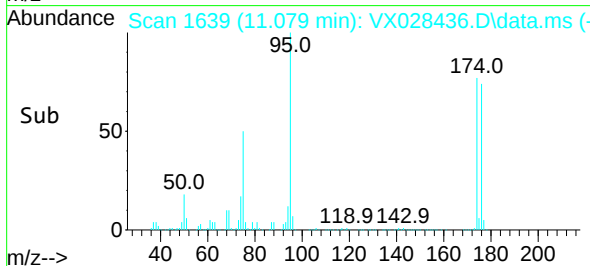
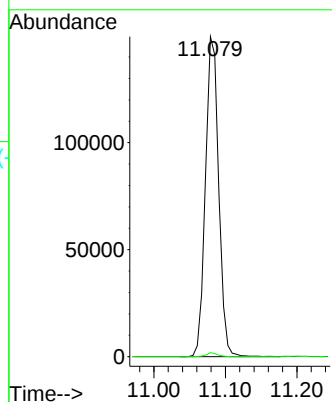
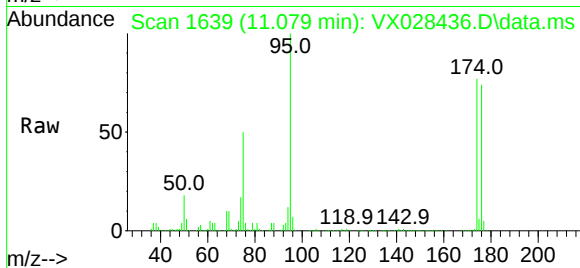
WC-3

Tgt Ion: 75 Resp: 192475

Ion Ratio Lower Upper

75 100

77 1.1 19.4 58.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.661 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028436.D

Acq: 29 Apr 2022 20:05

Tgt Ion: 75 Resp: 192475

Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.0 37.0 55.6#

