

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042622\
 Data File : VX028358.D
 Acq On : 26 Apr 2022 18:32
 Operator : JC/MD
 Sample : PB144365ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144365ZHE#03

Quant Time: Apr 27 02:07:24 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)

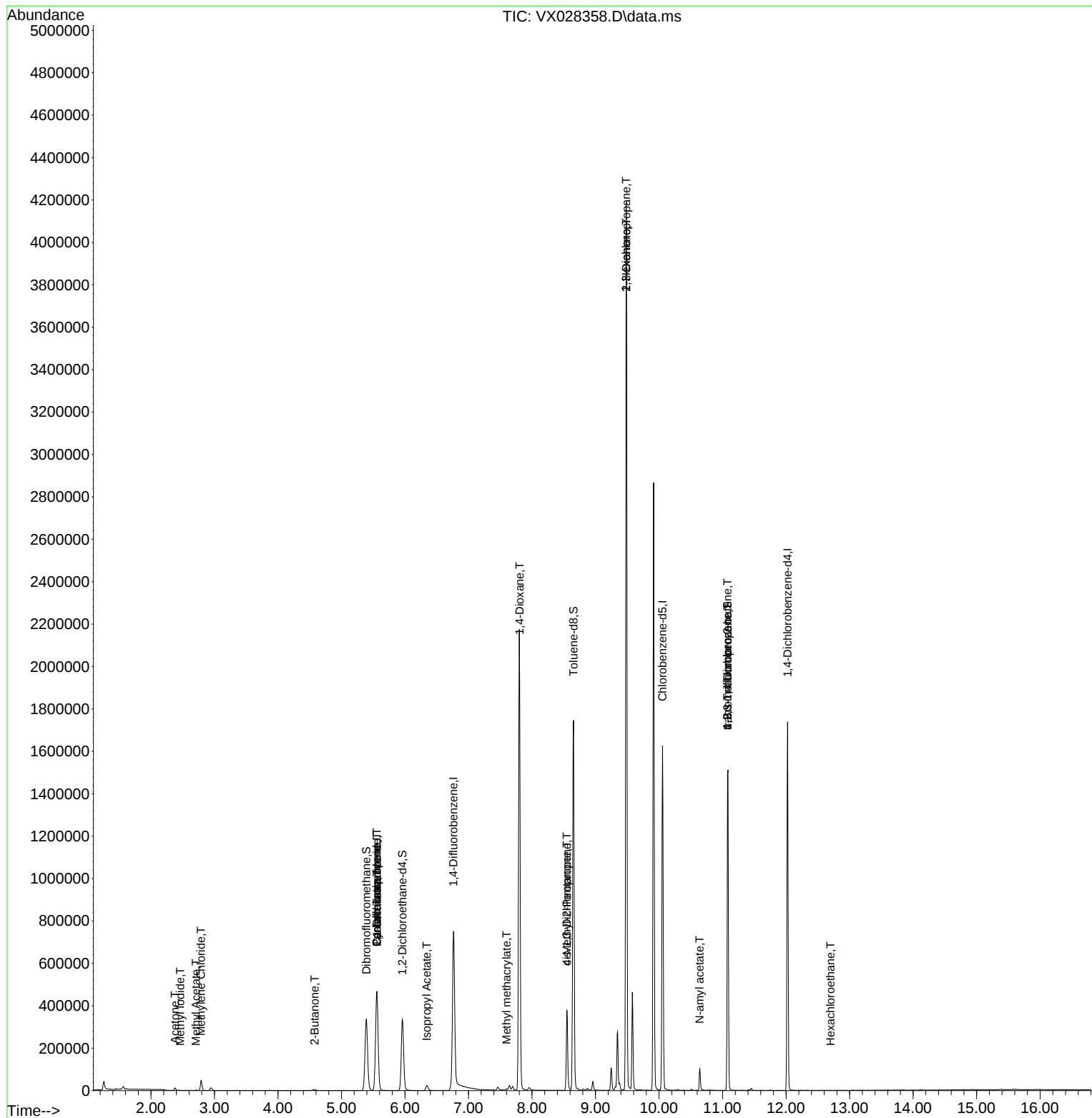
Internal Standards						
1) Pentafluorobenzene	5.556	168	463747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	786690	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	781848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	373725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	316257	52.302	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.600%			
35) Dibromofluoromethane	5.391	113	291199	52.782	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.560%			
50) Toluene-d8	8.653	98	1079248	50.933	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.860%			
62) 4-Bromofluorobenzene	11.079	95	405996	50.110	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.220%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.264	50	1060	Below Cal	#	42
5) Bromomethane	1.611	94	987	Below Cal	#	78
6) Chloroethane	1.672	64	611	Below Cal	#	84
8) Diethyl Ether	2.032	74	23	Below Cal	#	7
10) Methyl Iodide	2.459	142	417	5.307	ug/l #	86
11) Tert butyl alcohol	2.947	59	6758	Below Cal	#	76
16) Acetone	2.380	43	12595	5.454	ug/l	94
18) Methyl Acetate	2.709	43	2593	0.482	ug/l	96
20) Methylene Chloride	2.788	84	21325	4.753	ug/l	97
25) 2-Butanone	4.574	43	2577	0.720	ug/l	95
31) Cyclohexane	5.556	56	8824	1.198	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	32639	4.535	ug/l #	45
38) Carbon Tetrachloride	5.556	117	45081	5.549	ug/l #	16
43) Isopropyl Acetate	6.342	43	32664	2.749	ug/l	98
48) Methyl methacrylate	7.598	41	9050	1.659	ug/l #	7
49) 1,4-Dioxane	7.805	88	420	2.877	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	121962	15.992	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	66438	7.488	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	41546	4.329	ug/l #	43
59) 2-Hexanone	9.482	43	460725	77.991	ug/l #	45
74) N-amyl acetate	10.640	43	22981	2.588	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	197553	26.859	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	197553	79.818	ug/l #	15
90) Hexachloroethane	12.701	117	84	1.833	ug/l #	10

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

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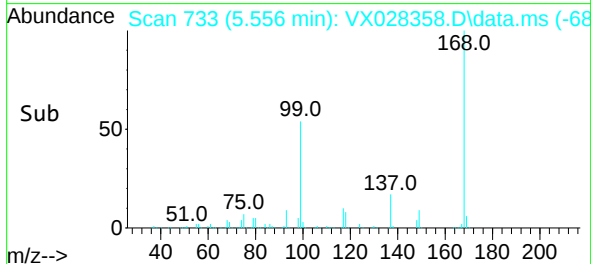
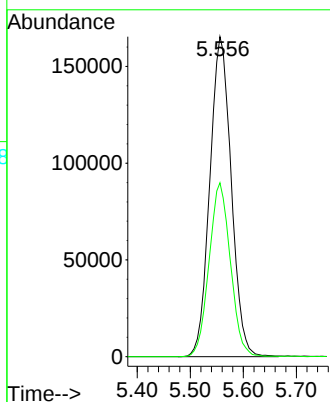
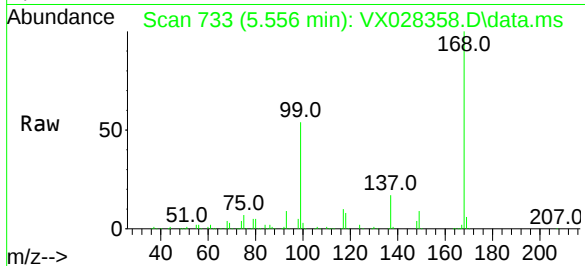




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

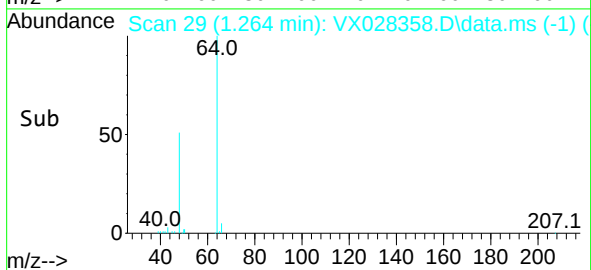
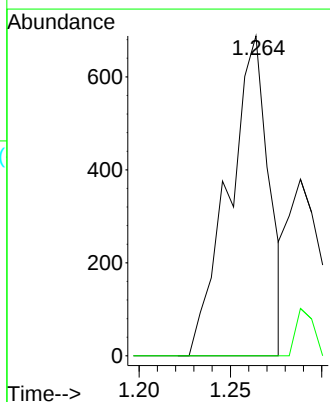
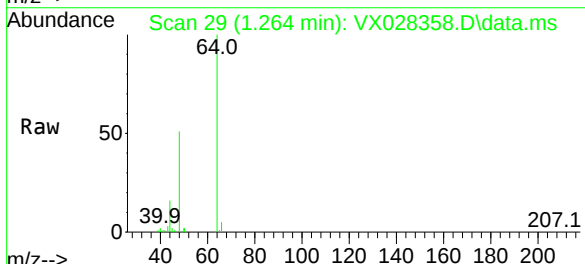
Instrument :
MSVOA_X
ClientSampleId :
PB144365ZHE#03

Tgt Ion:168 Resp: 463747
Ion Ratio Lower Upper
168 100
99 54.3 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.264 min Scan# 29
Delta R.T. -0.030 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

Tgt Ion: 50 Resp: 1060
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

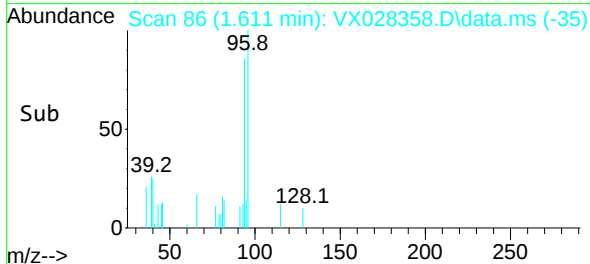
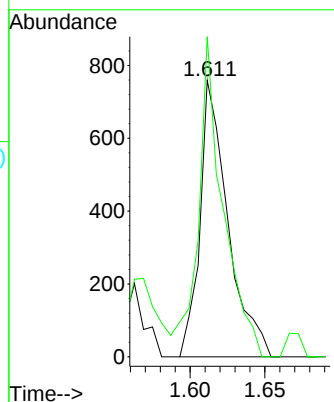
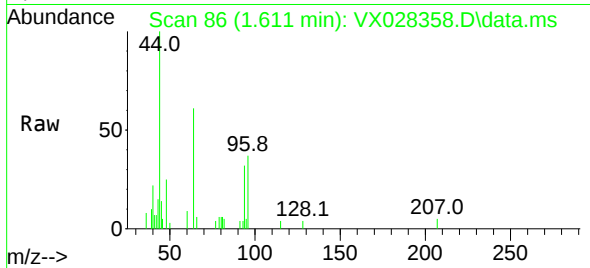




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

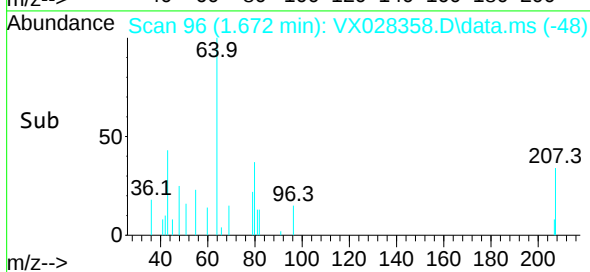
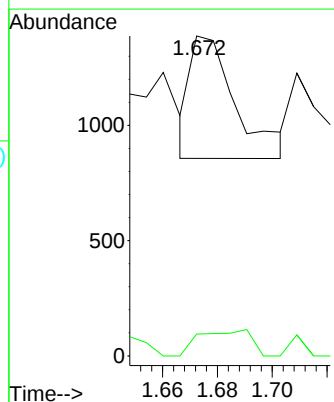
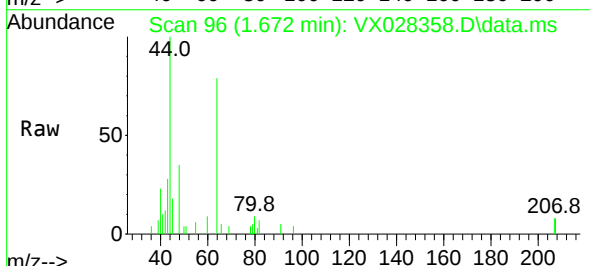
Instrument :
MSVOA_X
ClientSampleId :
PB144365ZHE#03

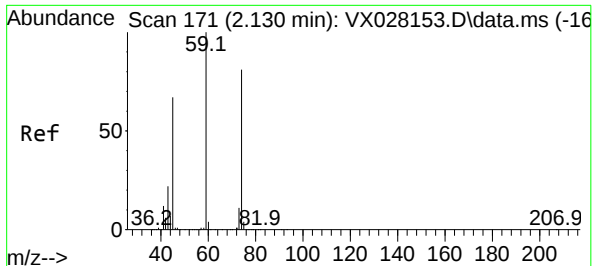
Tgt Ion: 94 Resp: 987
Ion Ratio Lower Upper
94 100
96 115.8 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

Tgt Ion: 64 Resp: 611
Ion Ratio Lower Upper
64 100
66 22.8 25.3 37.9#

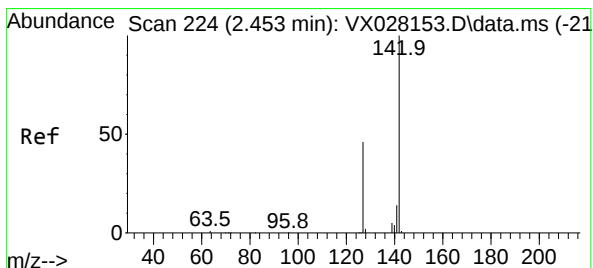
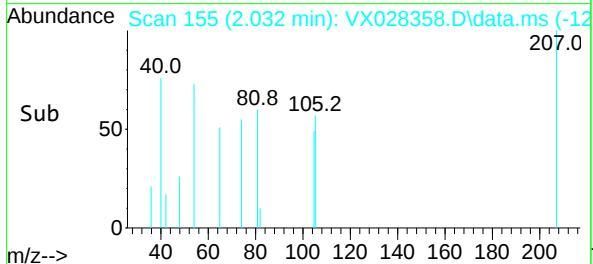
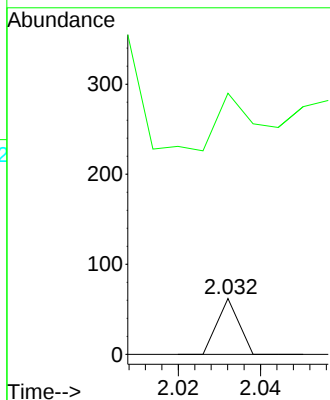
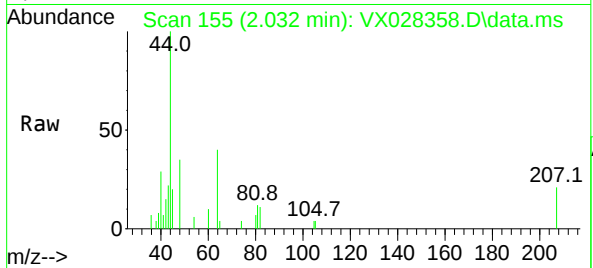




#8
Diethyl Ether
Concen: Below Cal
RT: 2.032 min Scan# 11
Delta R.T. -0.098 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

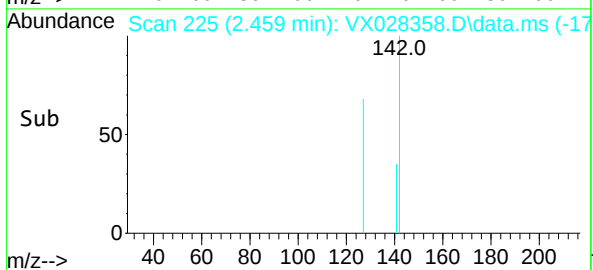
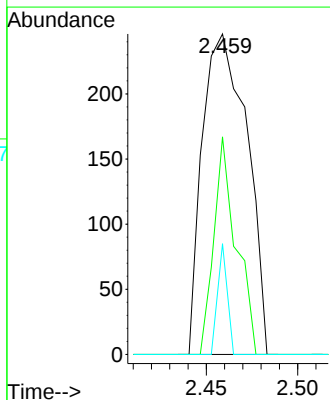
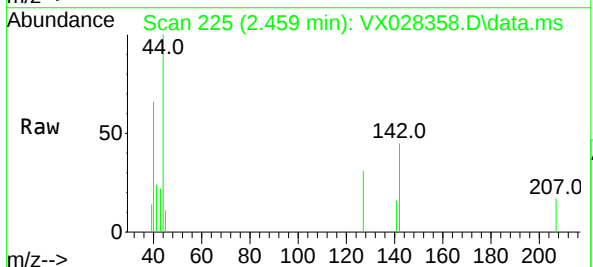
Instrument :
MSVOA_X
ClientSampleId :
PB144365ZHE#03

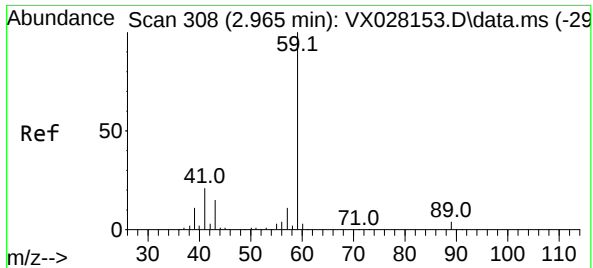
Tgt Ion: 74 Resp: 23
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.307 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

Tgt Ion: 142 Resp: 417
Ion Ratio Lower Upper
142 100
127 34.1 33.9 50.9
141 7.4 11.4 17.2#

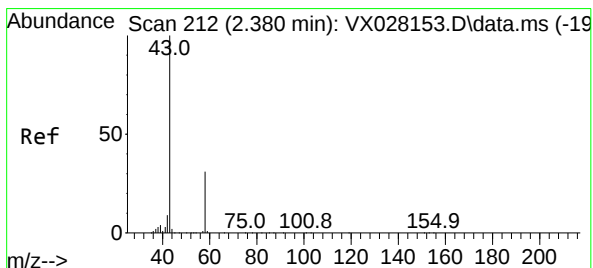
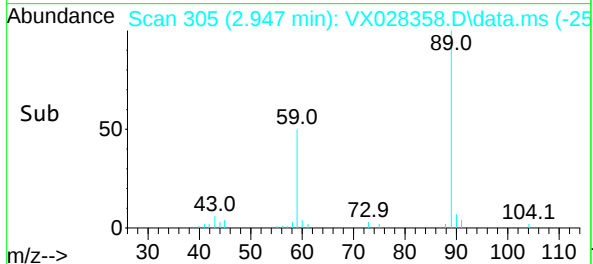
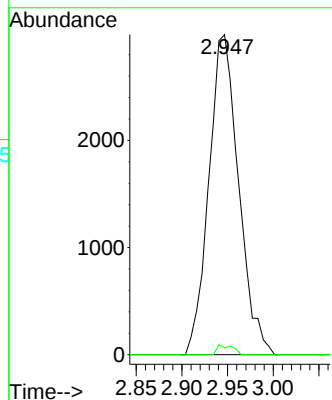
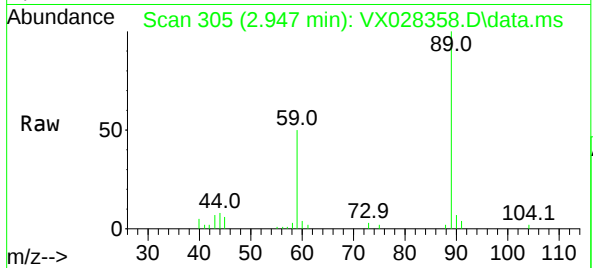




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

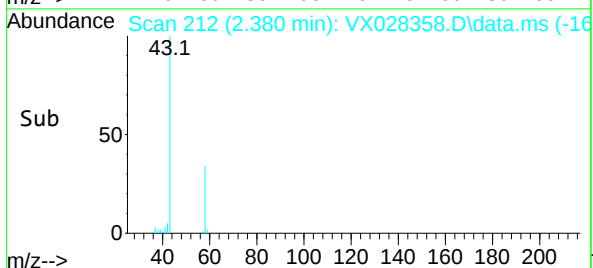
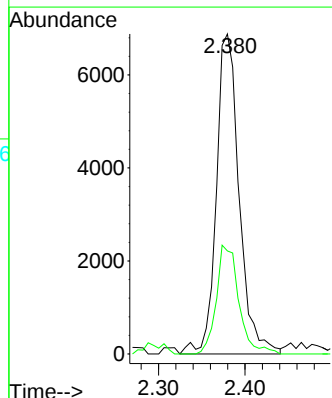
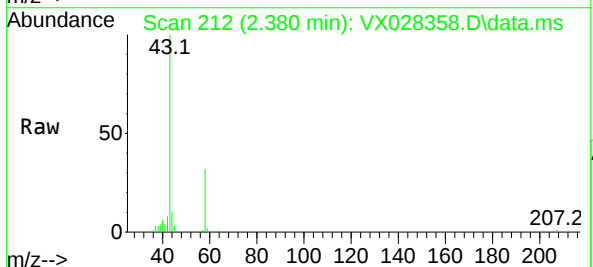
Instrument :
MSVOA_X
ClientSampleId :
PB144365ZHE#03

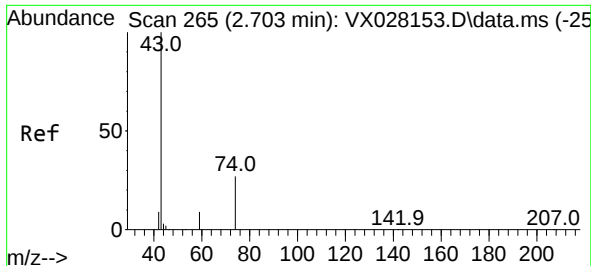
Tgt Ion: 59 Resp: 6758
Ion Ratio Lower Upper
59 100
57 1.6 8.3 12.5#



#16
Acetone
Concen: 5.454 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

Tgt Ion: 43 Resp: 12595
Ion Ratio Lower Upper
43 100
58 32.2 28.8 43.2

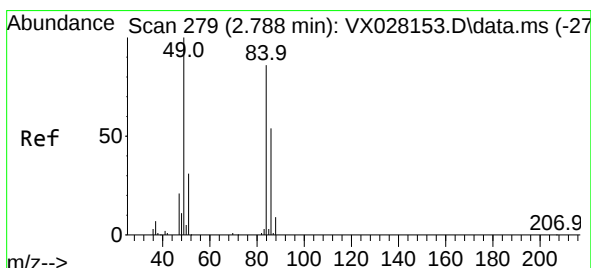
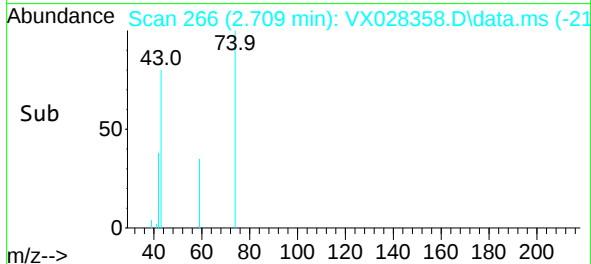
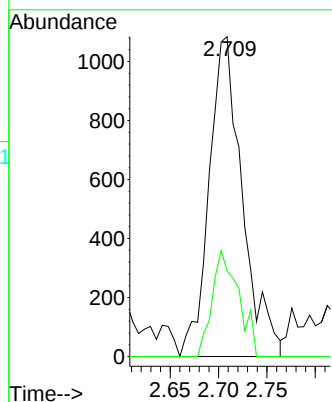
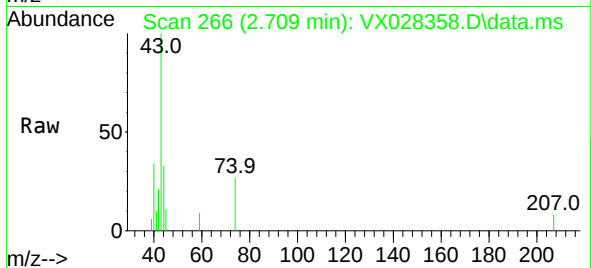




#18
Methyl Acetate
Concen: 0.482 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

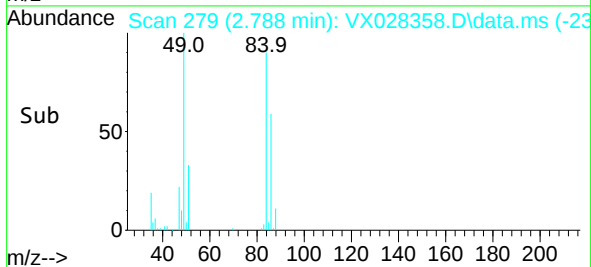
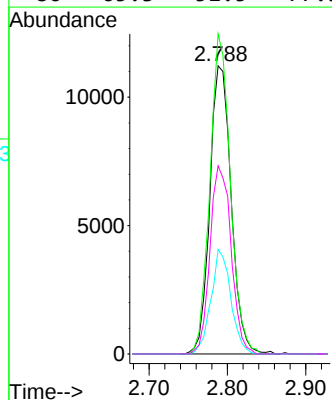
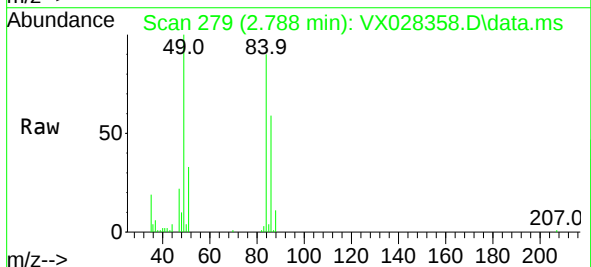
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MSVOA_X
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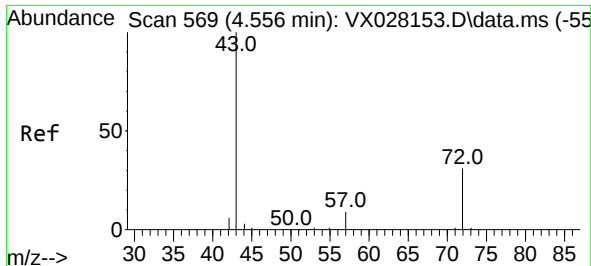
Tgt Ion: 43 Resp: 2593
Ion Ratio Lower Upper
43 100
74 26.3 22.8 34.2



#20
Methylene Chloride
Concen: 4.753 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

Tgt Ion: 84 Resp: 21325
Ion Ratio Lower Upper
84 100
49 111.1 85.5 128.3
51 36.2 26.6 39.8
86 65.3 51.5 77.3

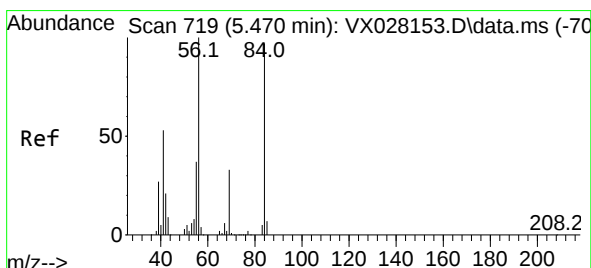
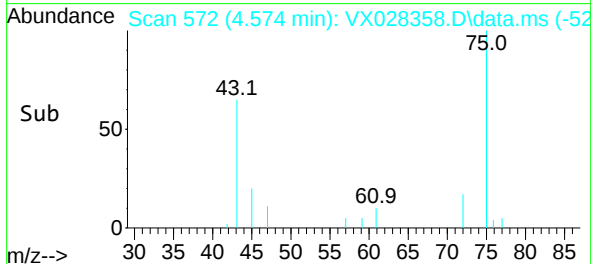
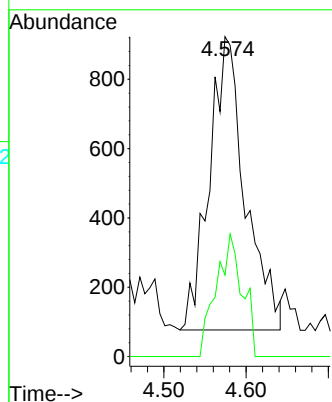
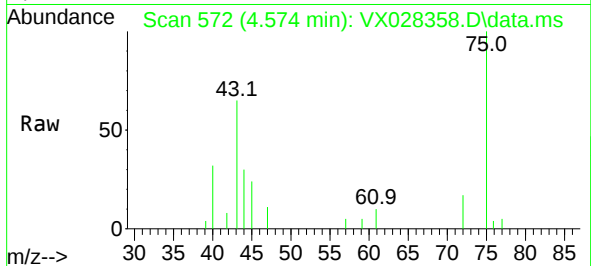




#25
2-Butanone
Concen: 0.720 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

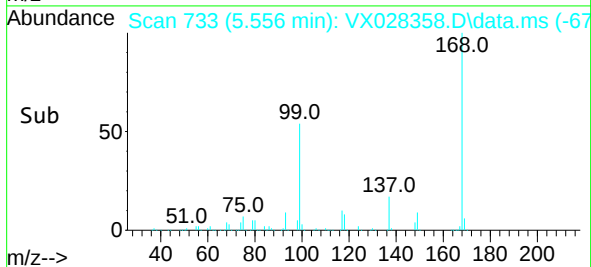
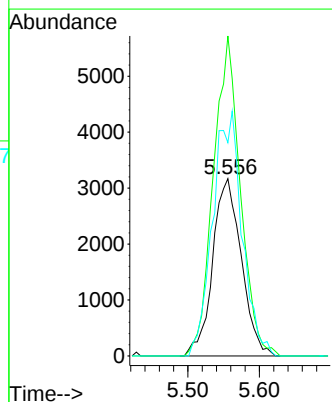
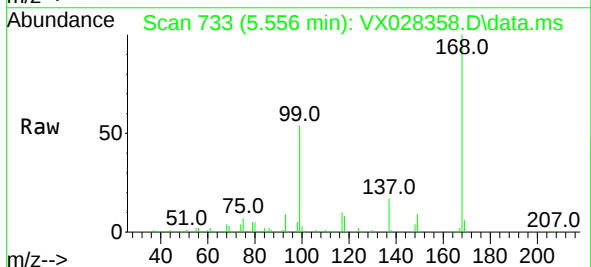
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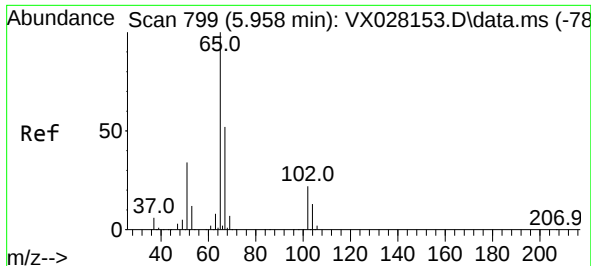
Tgt Ion: 43 Resp: 2577
Ion Ratio Lower Upper
43 100
72 27.8 24.4 36.6



#31
Cyclohexane
Concen: 1.198 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

Tgt Ion: 56 Resp: 8824
Ion Ratio Lower Upper
56 100
69 180.6 26.7 40.1#
84 120.4 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 52.302 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028358.D

Acq: 26 Apr 2022 18:32

Instrument :

MSVOA_X

ClientSampleId :

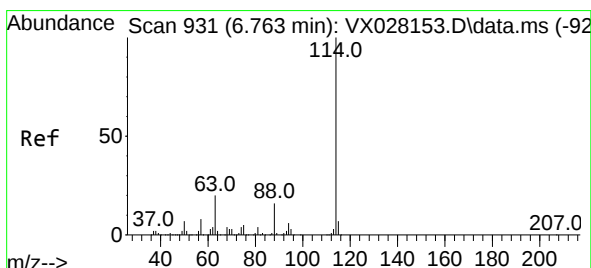
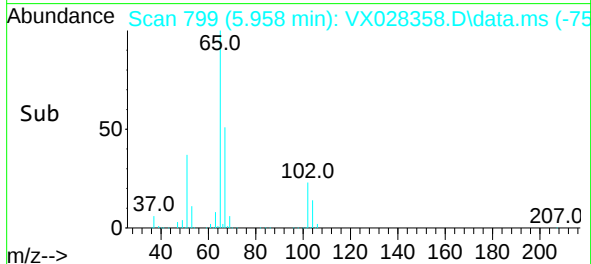
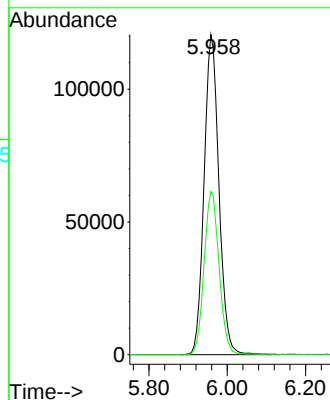
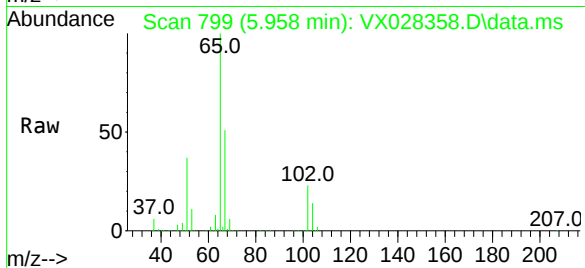
PB144365ZHE#03

Tgt Ion: 65 Resp: 316257

Ion Ratio Lower Upper

65 100

67 51.5 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: VX028358.D

Acq: 26 Apr 2022 18:32

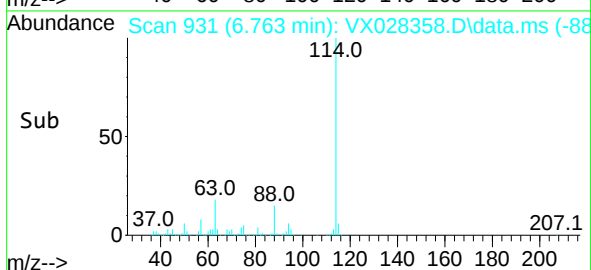
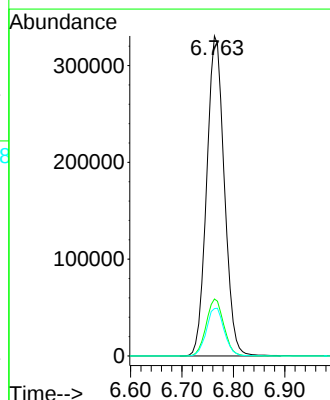
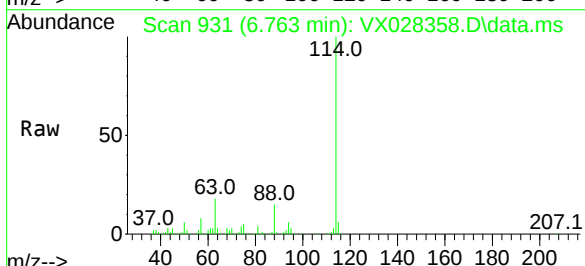
Tgt Ion: 114 Resp: 786690

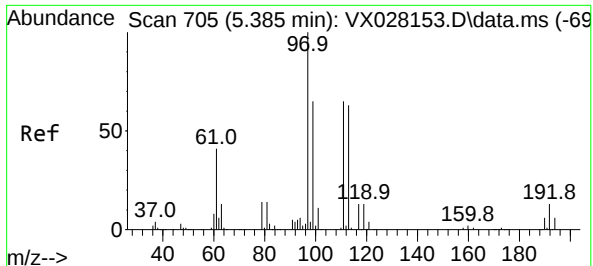
Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.8

88 14.8 0.0 32.4

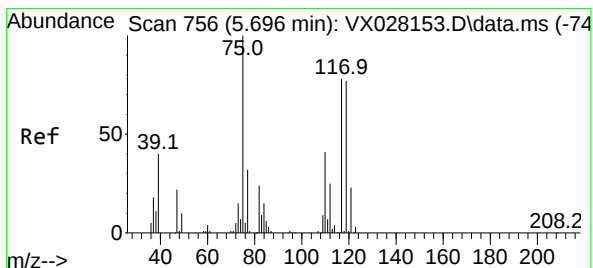
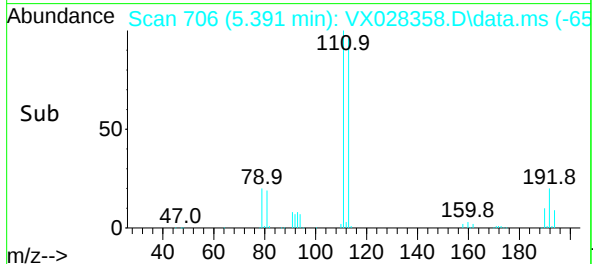
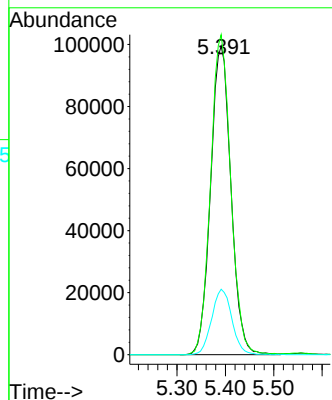
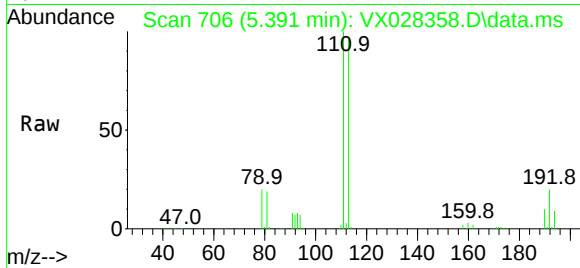




#35
Dibromofluoromethane
Concen: 52.782 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

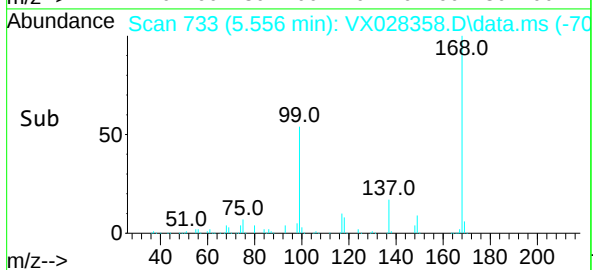
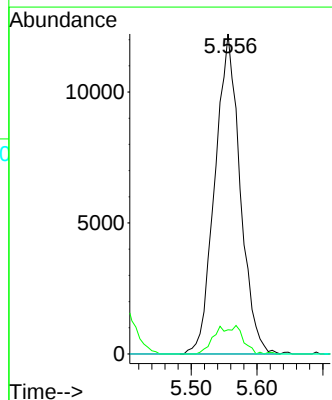
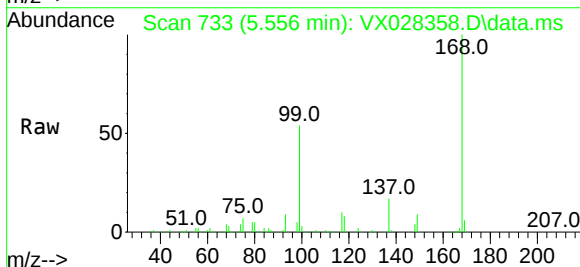
Instrument :
MSVOA_X
ClientSampleId :
PB144365ZHE#03

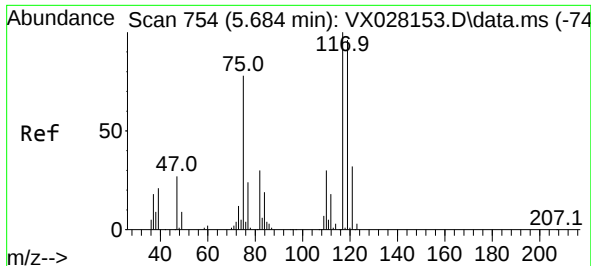
Tgt Ion:113 Resp: 291199
Ion Ratio Lower Upper
113 100
111 102.4 82.8 124.2
192 21.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.535 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

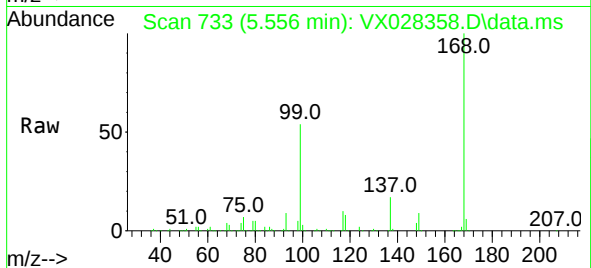
Tgt Ion: 75 Resp: 32639
Ion Ratio Lower Upper
75 100
110 4.3 18.3 54.8#
77 0.0 24.8 37.2#



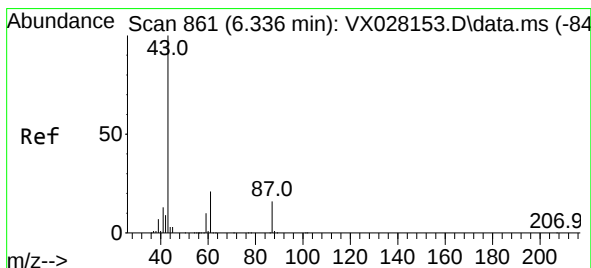
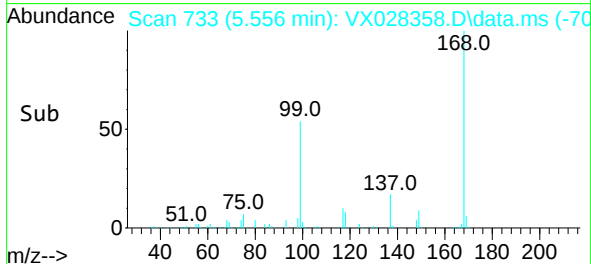
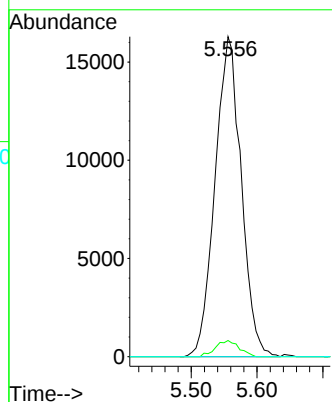


#38
Carbon Tetrachloride
Concen: 5.549 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

Instrument :
MSVOA_X
ClientSampleId :
PB144365ZHE#03

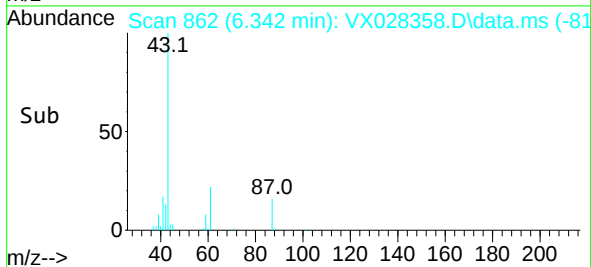
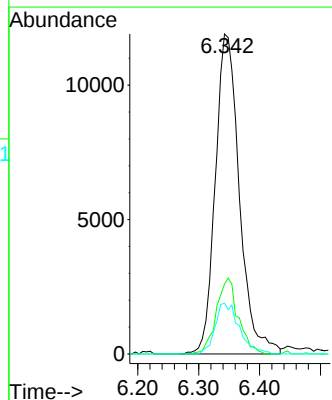
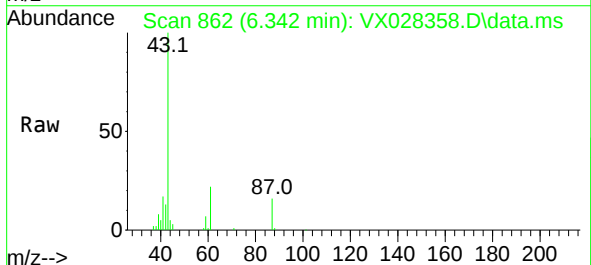


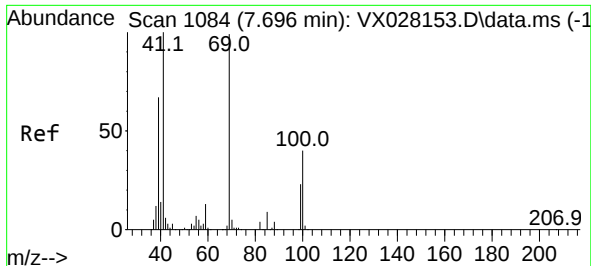
Tgt Ion:117 Resp: 45081
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.749 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

Tgt Ion: 43 Resp: 32664
Ion Ratio Lower Upper
43 100
61 21.5 18.5 27.7
87 15.9 13.0 19.6

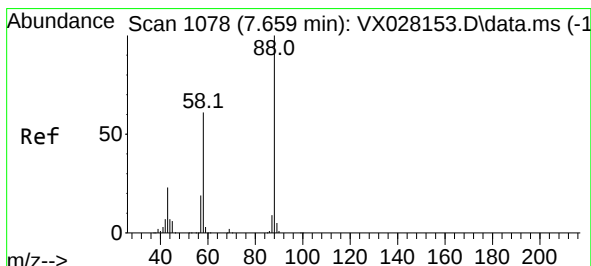
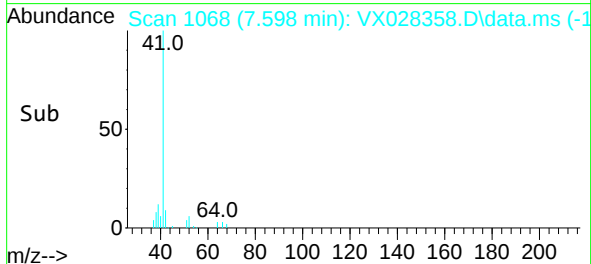
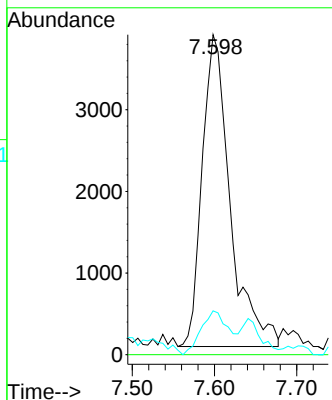
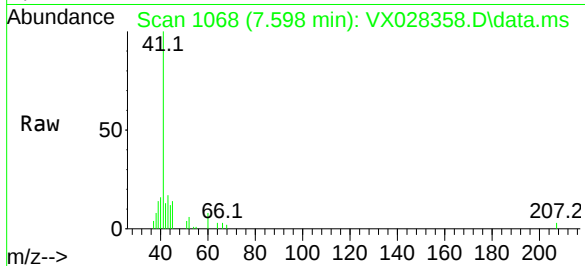




#48
Methyl methacrylate
Concen: 1.659 ug/l
RT: 7.598 min Scan# 1102
Delta R.T. -0.098 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

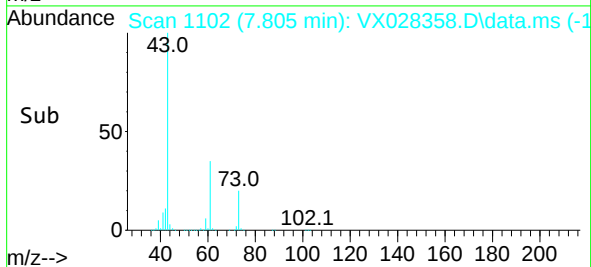
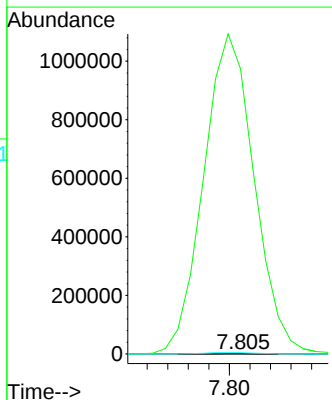
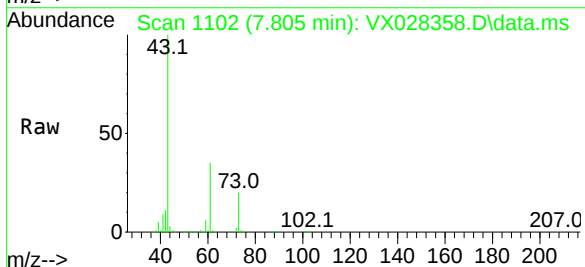
Instrument :
MSVOA_X
ClientSampleId :
PB144365ZHE#03

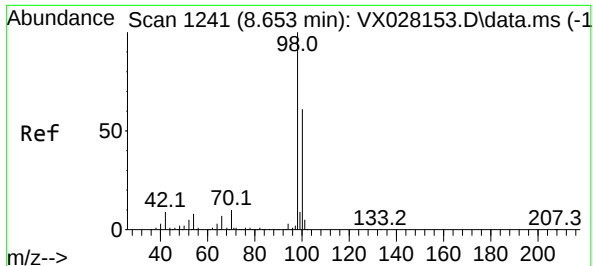
Tgt Ion: 41 Resp: 9050
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 2.877 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.146 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

Tgt Ion: 88 Resp: 420
Ion Ratio Lower Upper
88 100
43 447709.3 21.9 32.9#
58 1984.8 53.7 80.5#

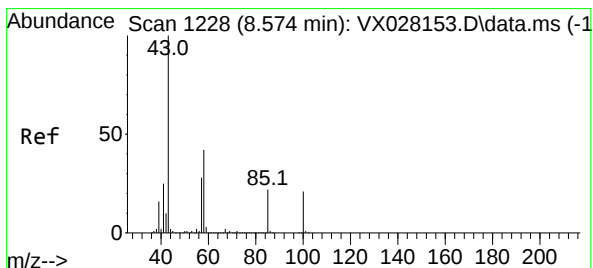
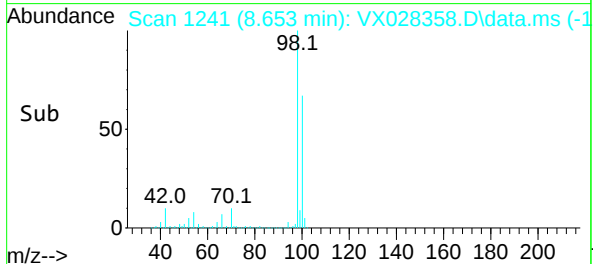
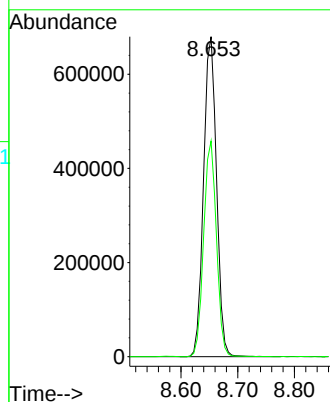
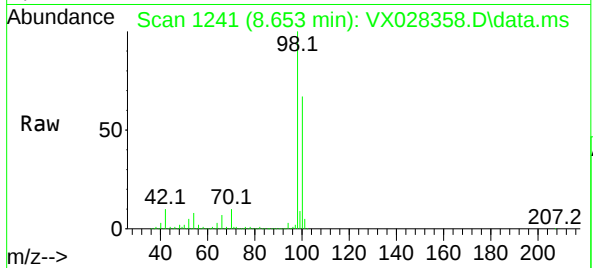




#50
Toluene-d8
Concen: 50.933 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

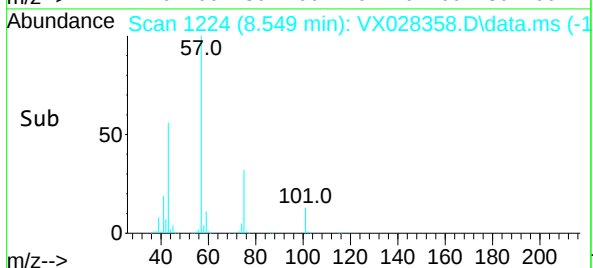
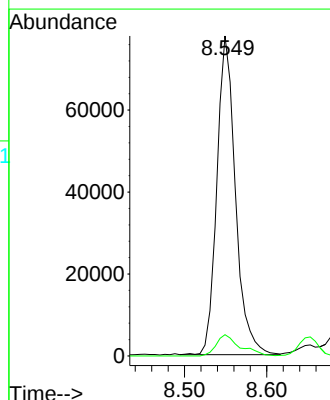
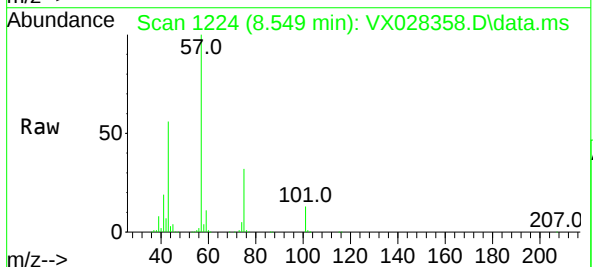
Instrument :
MSVOA_X
ClientSampleId :
PB144365ZHE#03

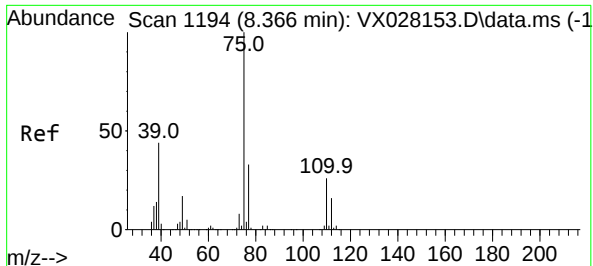
Tgt Ion: 98 Resp: 1079248
Ion Ratio Lower Upper
98 100
100 66.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 15.992 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

Tgt Ion: 43 Resp: 121962
Ion Ratio Lower Upper
43 100
58 8.6 36.1 54.1#

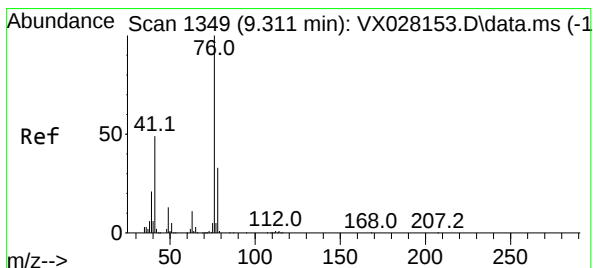
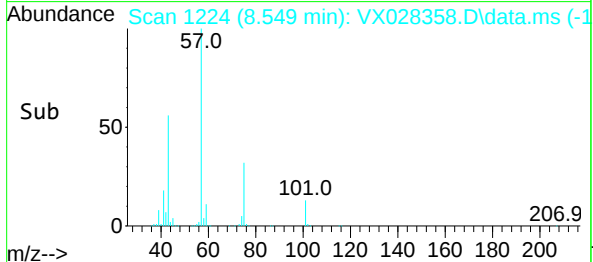
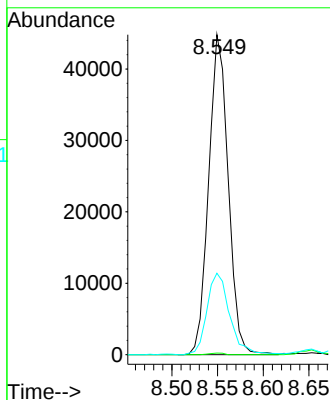
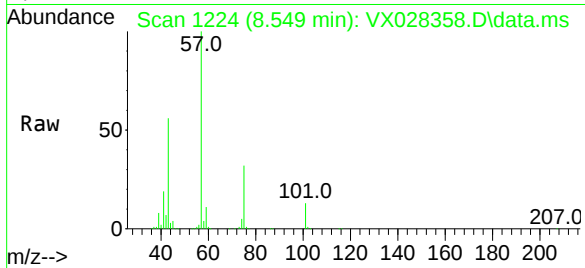




#54
 cis-1,3-Dichloropropene
 Concen: 7.488 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028358.D
 Acq: 26 Apr 2022 18:32

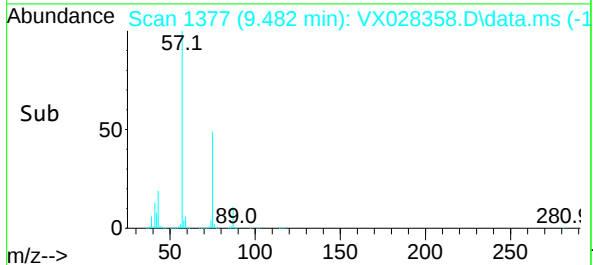
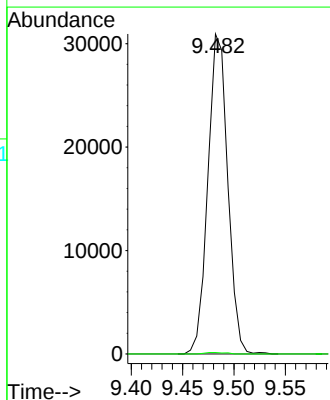
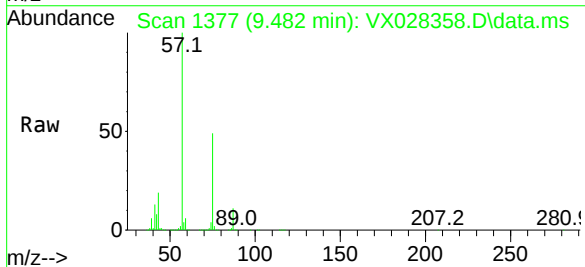
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144365ZHE#03

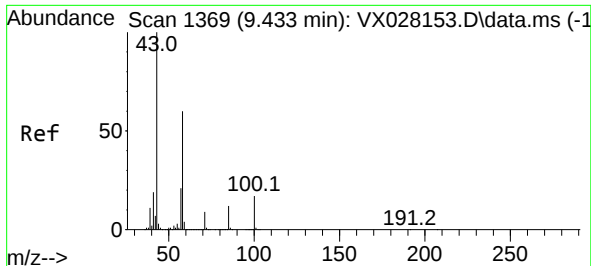
Tgt Ion: 75 Resp: 66438
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 25.4 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 4.329 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028358.D
 Acq: 26 Apr 2022 18:32

Tgt Ion: 76 Resp: 41546
 Ion Ratio Lower Upper
 76 100
 78 0.5 25.8 38.8#

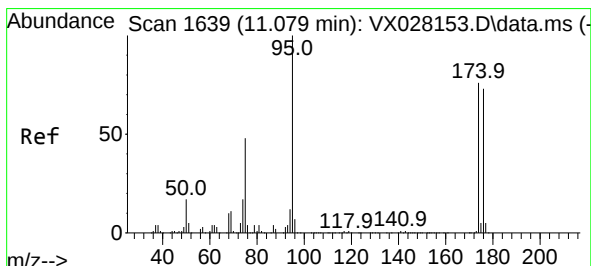
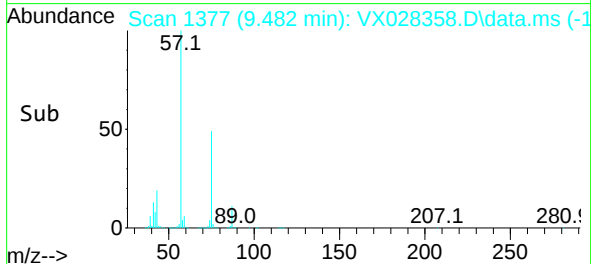
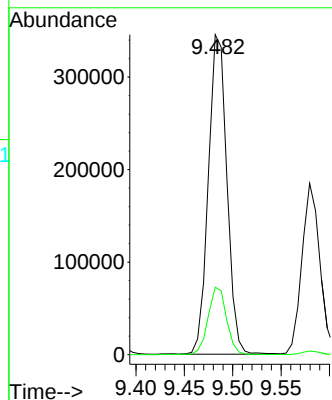
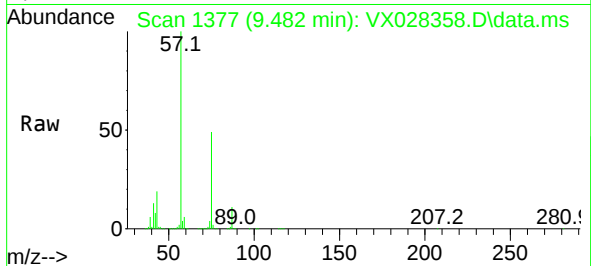




#59
2-Hexanone
Concen: 77.991 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

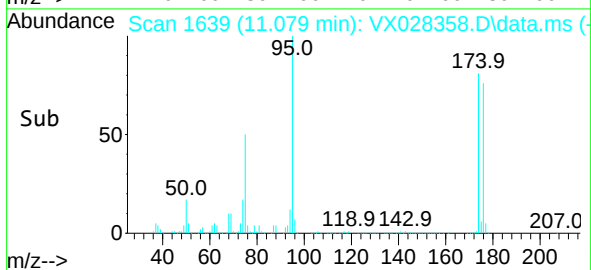
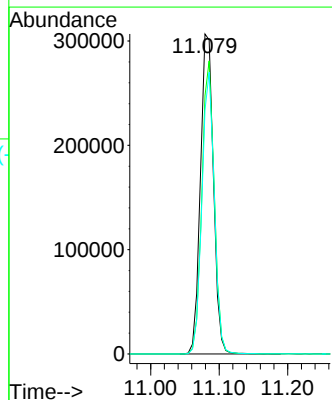
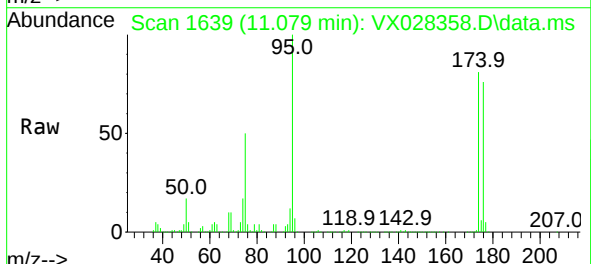
Instrument :
MSVOA_X
ClientSampleId :
PB144365ZHE#03

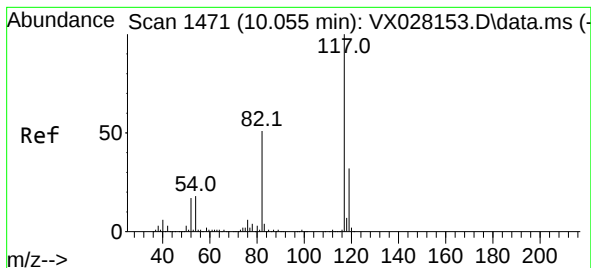
Tgt Ion: 43 Resp: 460725
Ion Ratio Lower Upper
43 100
58 21.1 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 50.110 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

Tgt Ion: 95 Resp: 405996
Ion Ratio Lower Upper
95 100
174 87.3 0.0 163.0
176 84.2 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: VX028358.D

Acq: 26 Apr 2022 18:32

Instrument :

MSVOA_X

ClientSampleId :

PB144365ZHE#03

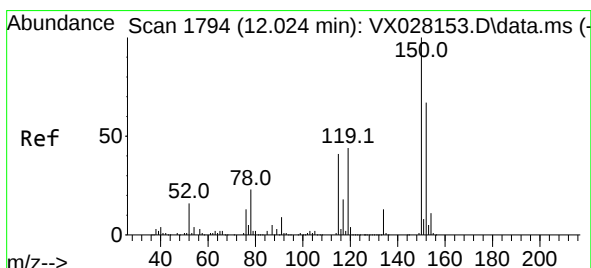
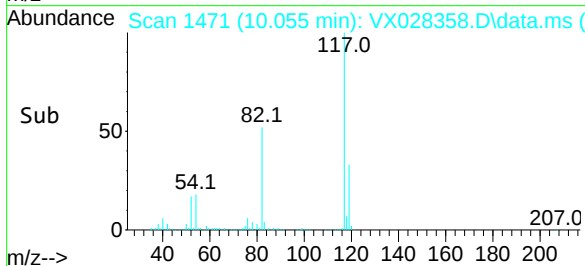
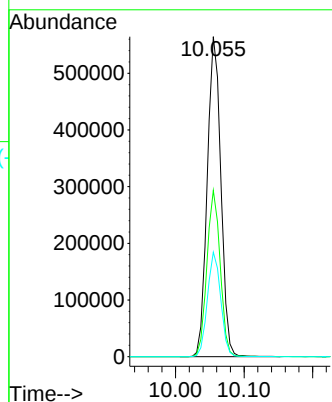
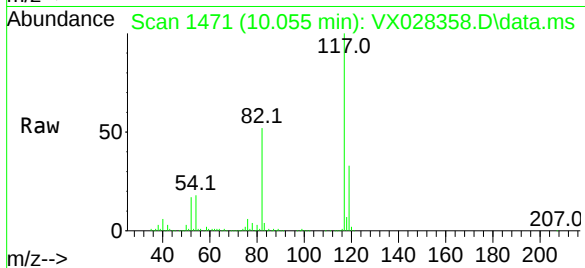
Tgt Ion:117 Resp: 781848

Ion Ratio Lower Upper

117 100

82 51.9 41.8 62.8

119 32.6 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: VX028358.D

Acq: 26 Apr 2022 18:32

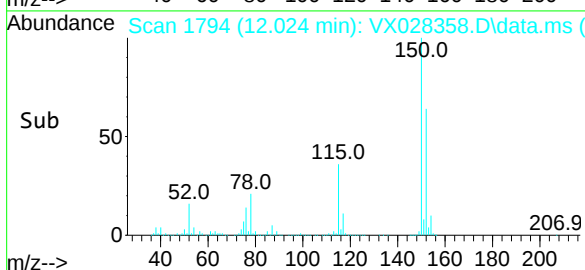
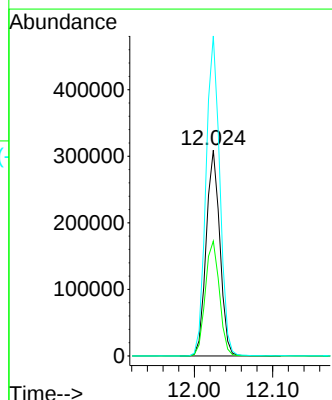
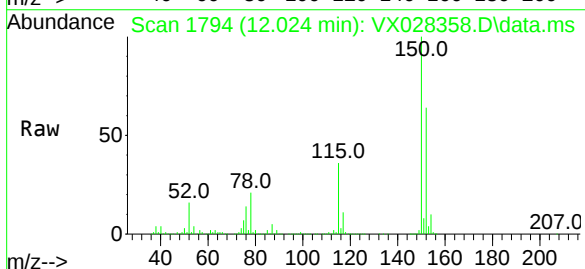
Tgt Ion:152 Resp: 373725

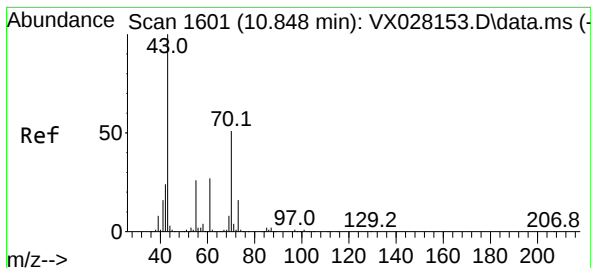
Ion Ratio Lower Upper

152 100

115 57.7 37.5 112.7

150 157.0 0.0 338.2





#74

N-amy1 acetate

Concen: 2.588 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.208 min

Lab File: VX028358.D

Acq: 26 Apr 2022 18:32

Instrument :

MSVOA_X

ClientSampleId :

PB144365ZHE#03

Tgt Ion: 43 Resp: 22981

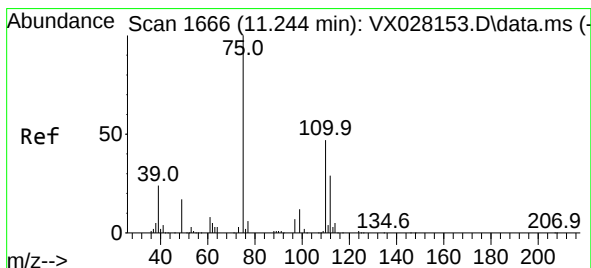
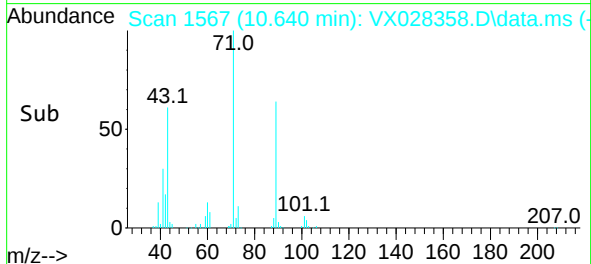
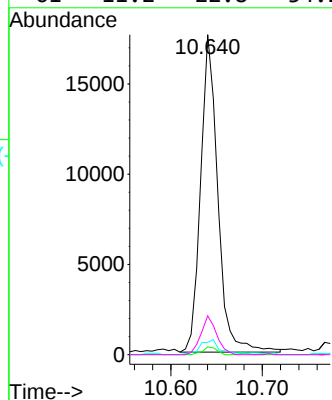
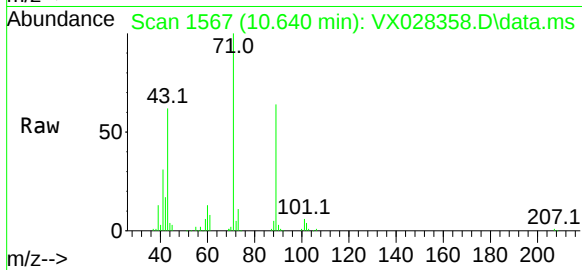
Ion Ratio Lower Upper

43 100

70 2.0 42.5 63.7#

55 6.2 23.1 34.7#

61 11.2 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 26.859 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX028358.D

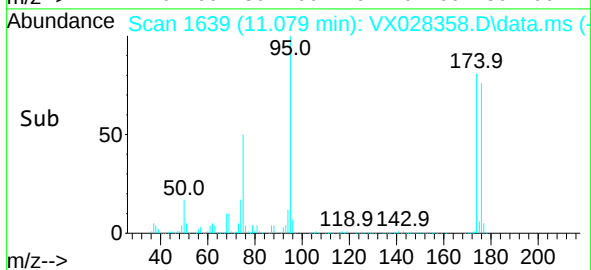
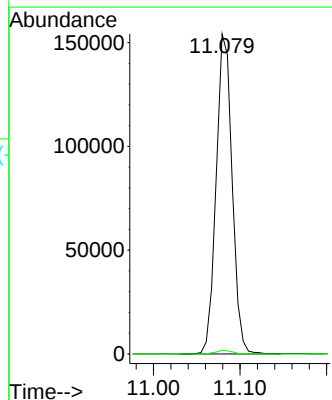
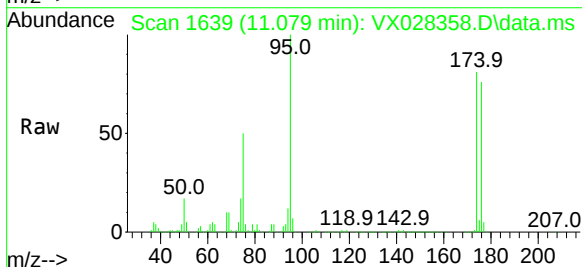
Acq: 26 Apr 2022 18:32

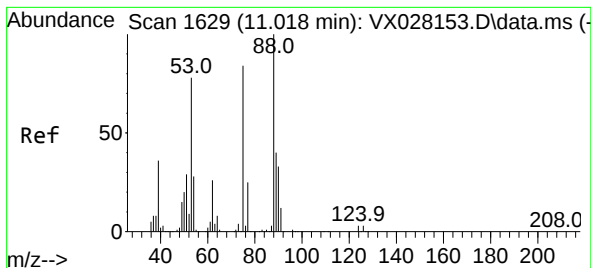
Tgt Ion: 75 Resp: 197553

Ion Ratio Lower Upper

75 100

77 1.2 19.4 58.2#

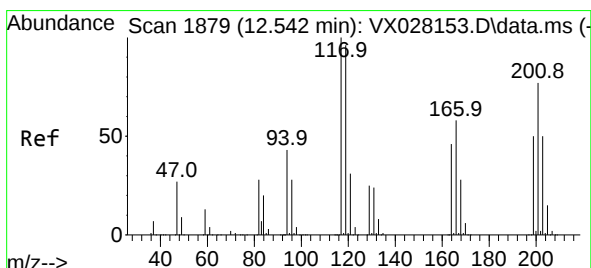
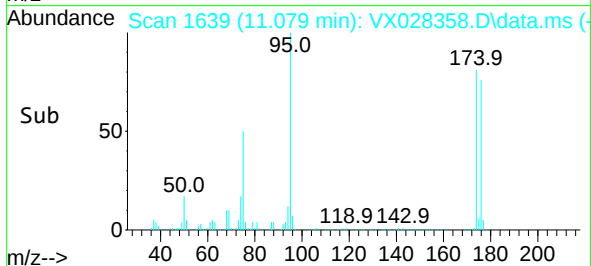
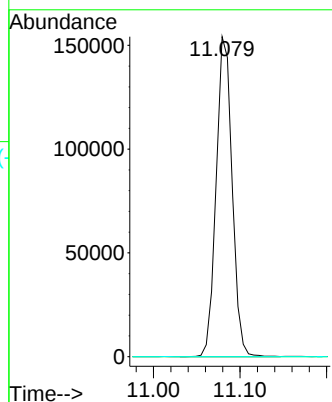
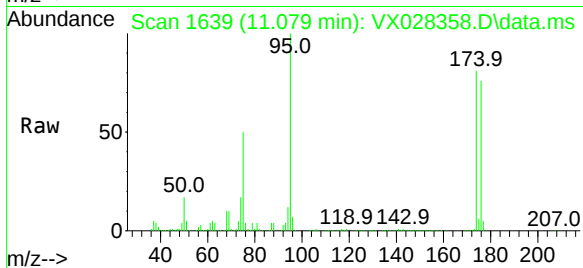




#81
trans-1,4-Dichloro-2-butene
Concen: 79.818 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

Instrument :
MSVOA_X
ClientSampleId :
PB144365ZHE#03

Tgt Ion: 75 Resp: 197553
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#90
Hexachloroethane
Concen: 1.833 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX028358.D
Acq: 26 Apr 2022 18:32

Tgt Ion: 117 Resp: 84
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#

