

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042622\
 Data File : VX028359.D
 Acq On : 26 Apr 2022 18:55
 Operator : JC/MD
 Sample : PB144366TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144366TB

Quant Time: Apr 27 02:07:39 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)

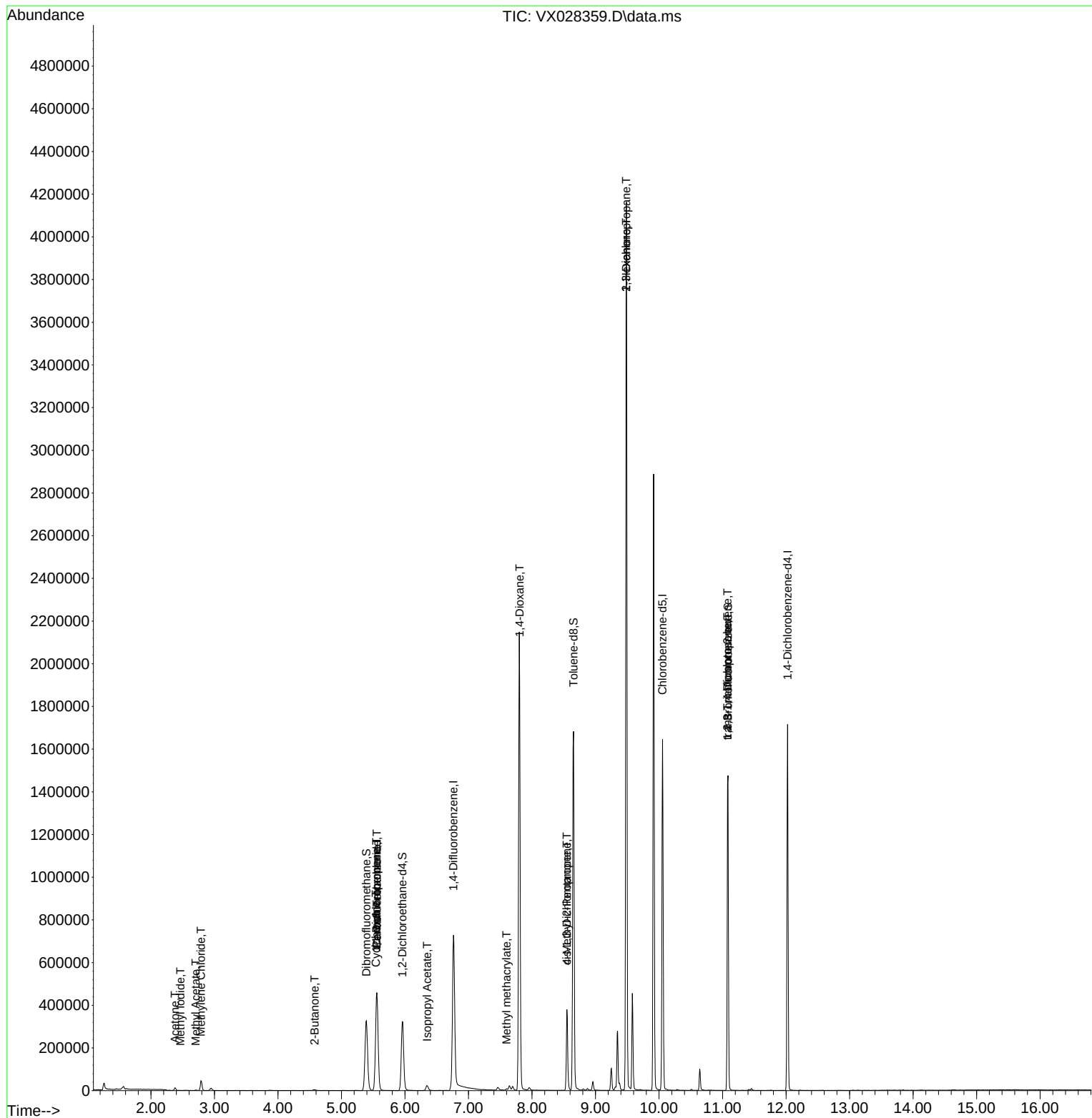
Internal Standards						
1) Pentafluorobenzene	5.556	168	454837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	763903	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	759687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	365028	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	308089	51.949	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.900%			
35) Dibromofluoromethane	5.391	113	282303	52.696	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.400%			
50) Toluene-d8	8.653	98	1058931	51.465	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.920%			
62) 4-Bromofluorobenzene	11.085	95	395875	50.319	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.640%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	413	Below Cal	#	76
5) Bromomethane	1.617	94	1091	Below Cal		89
6) Chloroethane	1.697	64	278	Below Cal	#	43
8) Diethyl Ether	2.154	74	46	Below Cal	#	1
10) Methyl Iodide	2.465	142	552	5.333	ug/l #	80
11) Tert butyl alcohol	2.946	59	5985	Below Cal	#	73
16) Acetone	2.380	43	13100	5.869	ug/l	93
18) Methyl Acetate	2.703	43	2283	0.433	ug/l	97
20) Methylene Chloride	2.788	84	21617	4.913	ug/l	98
25) 2-Butanone	4.574	43	2907	0.828	ug/l	94
31) Cyclohexane	5.544	56	8690	1.203	ug/l #	37
36) 1,1-Dichloropropene	5.550	75	32249	4.615	ug/l #	49
38) Carbon Tetrachloride	5.556	117	43488	5.513	ug/l #	15
43) Isopropyl Acetate	6.348	43	32809	2.843	ug/l	97
48) Methyl methacrylate	7.598	41	8488	1.602	ug/l #	7
49) 1,4-Dioxane	7.805	88	385	2.716	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	120880	16.323	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	65552	7.609	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	41593	4.463	ug/l #	43
59) 2-Hexanone	9.482	43	459803	80.157	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	192760	26.832	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	192760	79.737	ug/l #	15

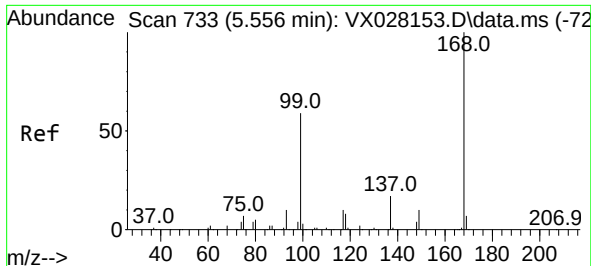
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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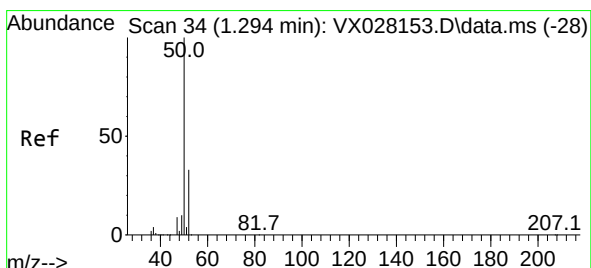
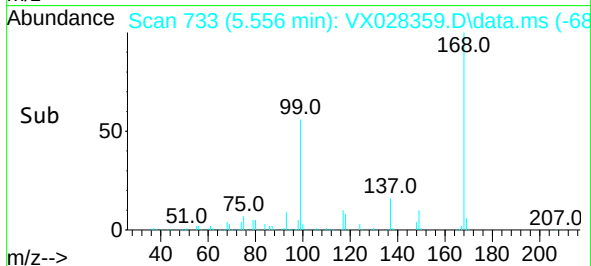
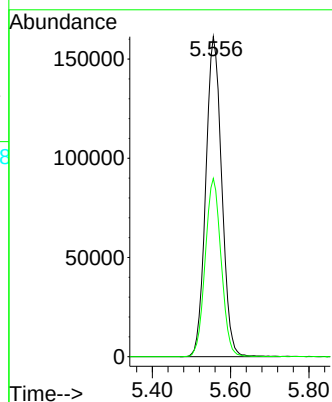
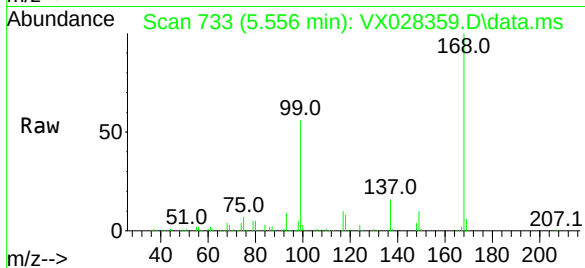




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028359.D
Acq: 26 Apr 2022 18:55

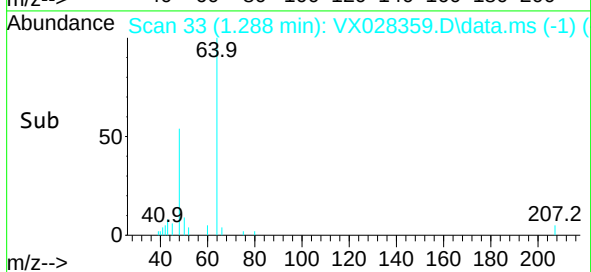
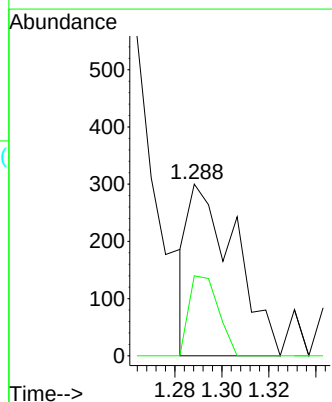
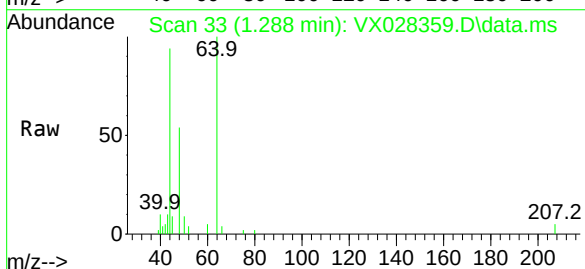
Instrument :
MSVOA_X
ClientSampleId :
PB144366TB

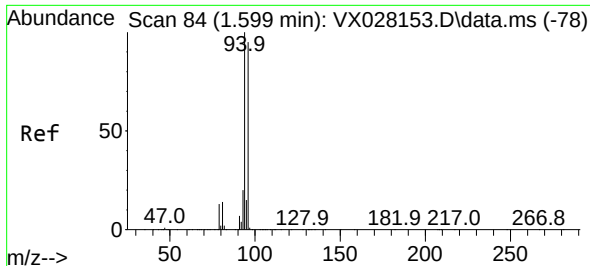
Tgt Ion:168 Resp: 454837
Ion Ratio Lower Upper
168 100
99 55.7 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028359.D
Acq: 26 Apr 2022 18:55

Tgt Ion: 50 Resp: 413
Ion Ratio Lower Upper
50 100
52 46.7 26.4 39.6#

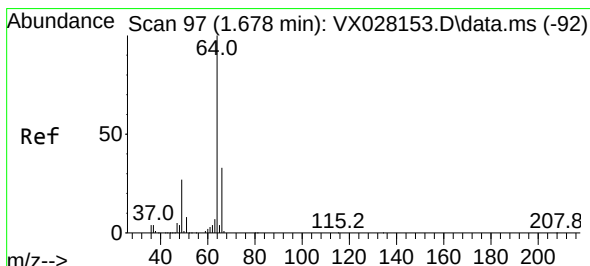
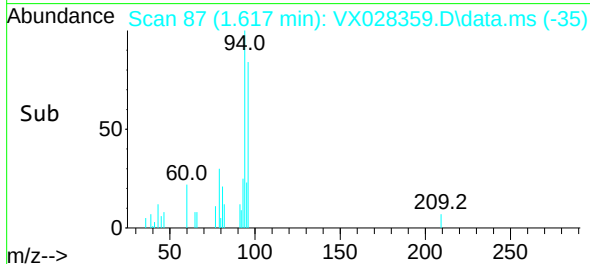
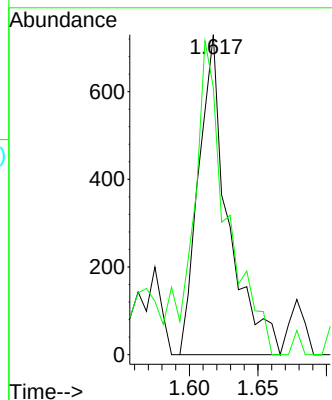
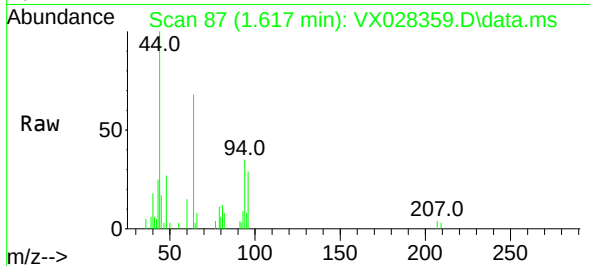




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028359.D
Acq: 26 Apr 2022 18:55

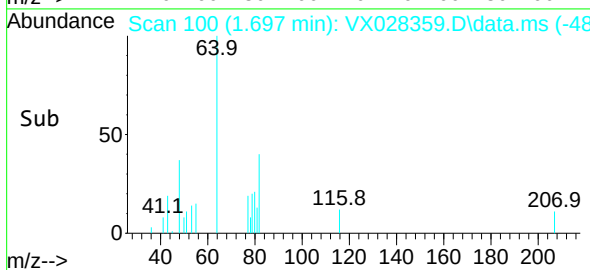
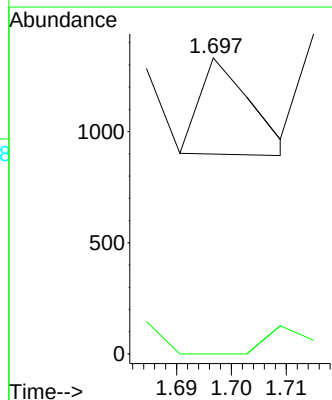
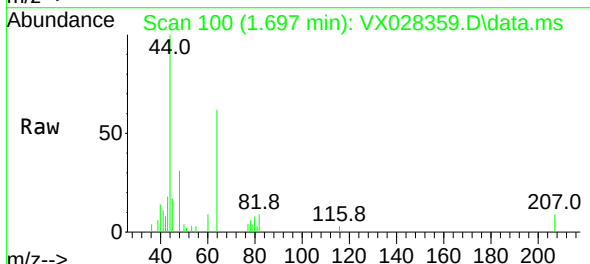
Instrument :
MSVOA_X
ClientSampleId :
PB144366TB

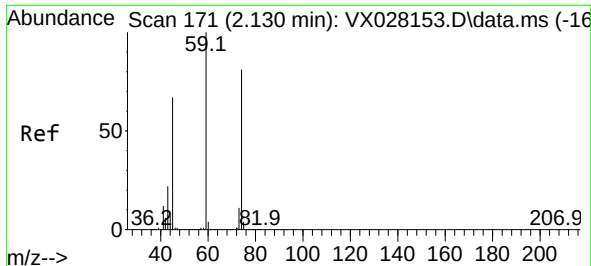
Tgt Ion: 94 Resp: 1091
Ion Ratio Lower Upper
94 100
96 83.6 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 100
Delta R.T. 0.019 min
Lab File: VX028359.D
Acq: 26 Apr 2022 18:55

Tgt Ion: 64 Resp: 278
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9

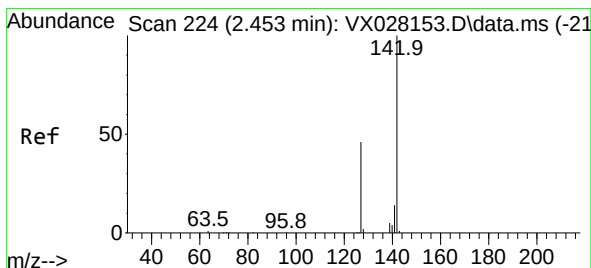
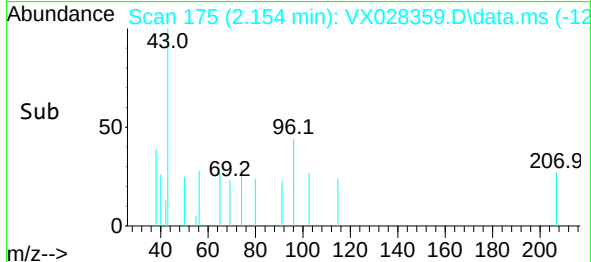
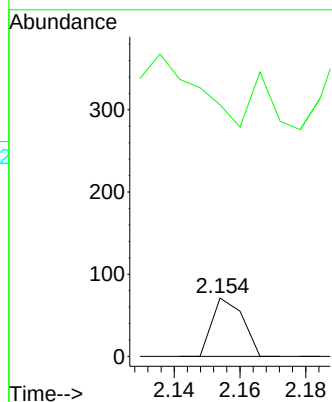
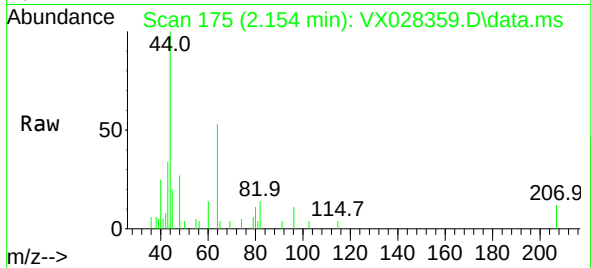




#8
Diethyl Ether
Concen: Below Cal
RT: 2.154 min Scan# 11
Delta R.T. 0.024 min
Lab File: VX028359.D
Acq: 26 Apr 2022 18:55

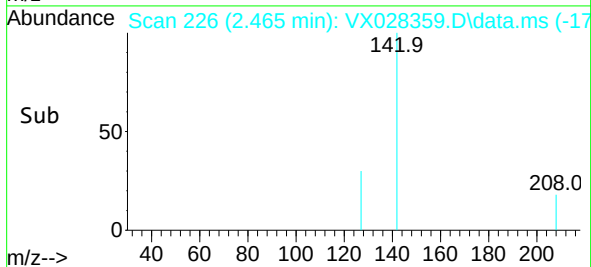
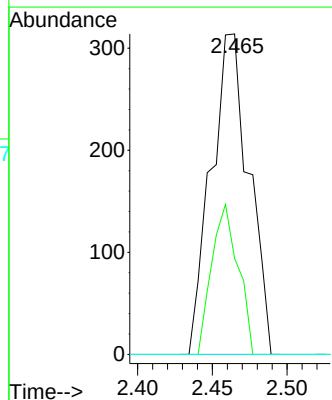
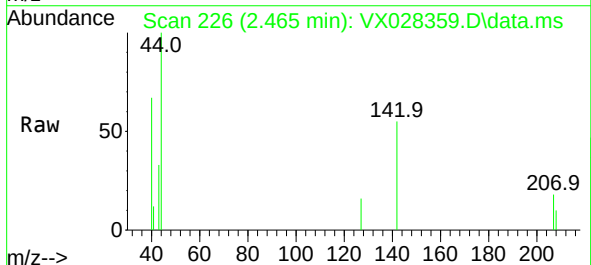
Instrument :
MSVOA_X
ClientSampleId :
PB144366TB

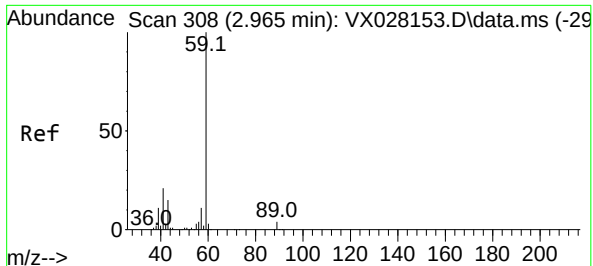
Tgt Ion: 74 Resp: 46
Ion Ratio Lower Upper
74 100
45 743.5 42.0 126.0#



#10
Methyl Iodide
Concen: 5.333 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028359.D
Acq: 26 Apr 2022 18:55

Tgt Ion: 142 Resp: 552
Ion Ratio Lower Upper
142 100
127 32.6 33.9 50.9#
141 0.0 11.4 17.2#

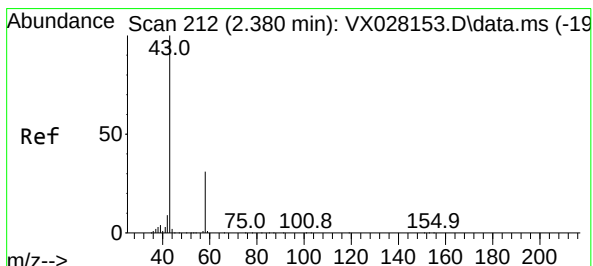
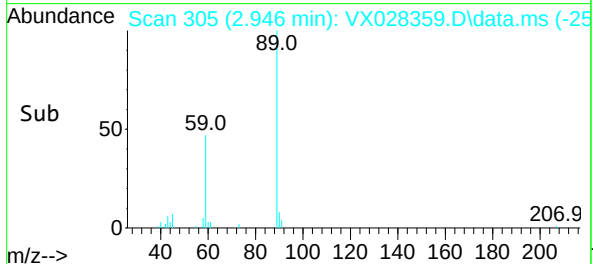
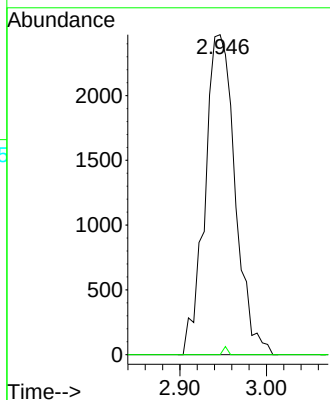
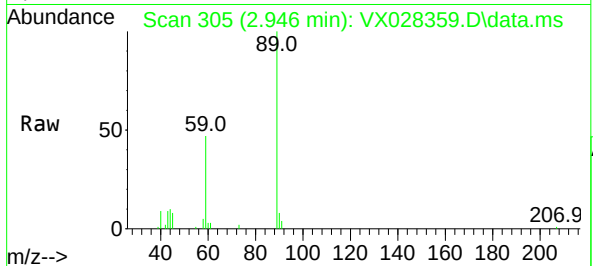




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 308
Delta R.T. -0.019 min
Lab File: VX028359.D
Acq: 26 Apr 2022 18:55

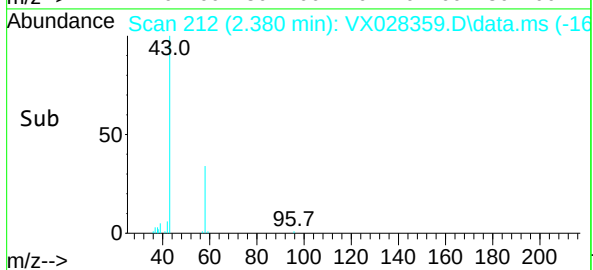
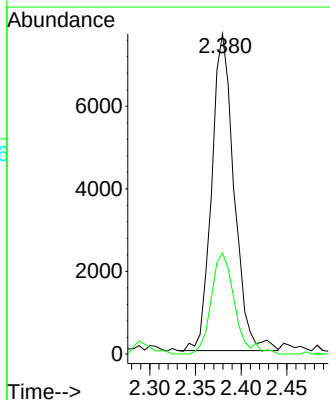
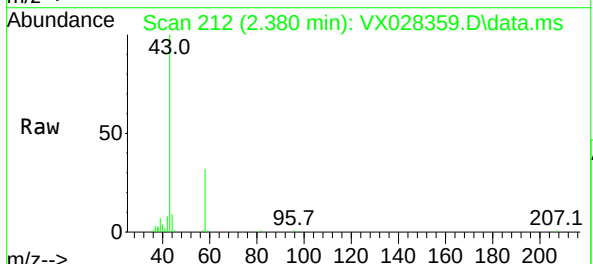
Instrument :
MSVOA_X
ClientSampleId :
PB144366TB

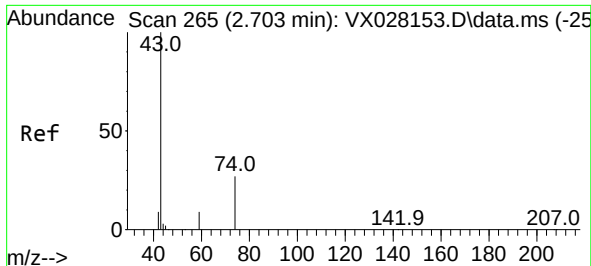
Tgt Ion: 59 Resp: 5985
Ion Ratio Lower Upper
59 100
57 0.4 8.3 12.5#



#16
Acetone
Concen: 5.869 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028359.D
Acq: 26 Apr 2022 18:55

Tgt Ion: 43 Resp: 13100
Ion Ratio Lower Upper
43 100
58 31.9 28.8 43.2

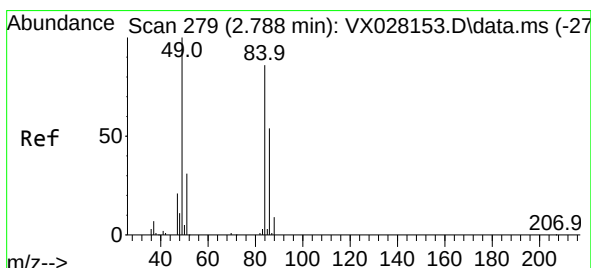
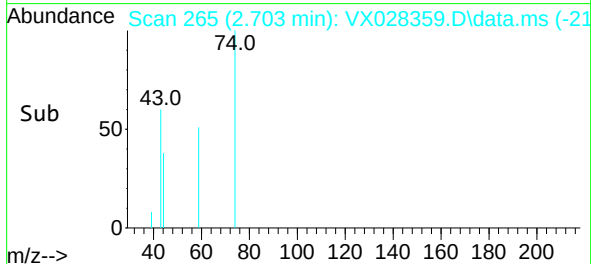
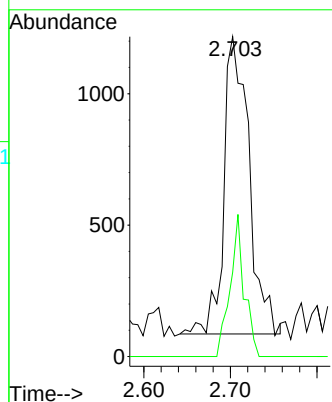
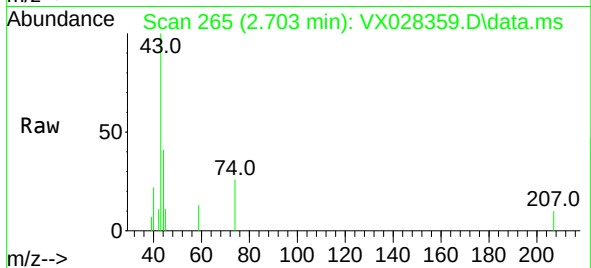




#18
Methyl Acetate
Concen: 0.433 ug/l
RT: 2.703 min Scan# 207
Delta R.T. -0.000 min
Lab File: VX028359.D
Acq: 26 Apr 2022 18:55

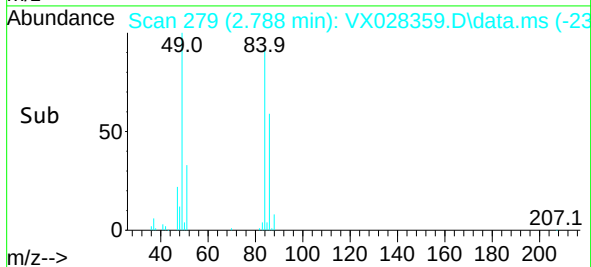
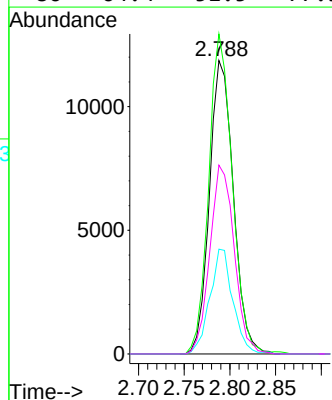
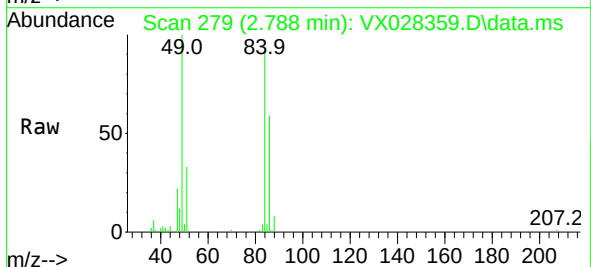
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ClientSampleId :
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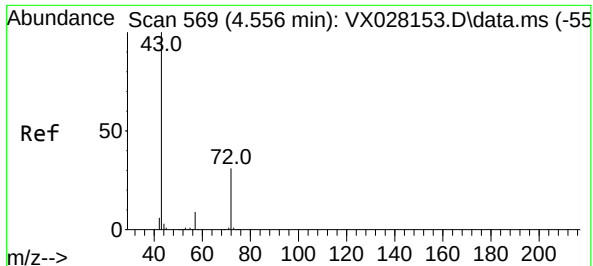
Tgt Ion: 43 Resp: 2283
Ion Ratio Lower Upper
43 100
74 26.8 22.8 34.2



#20
Methylene Chloride
Concen: 4.913 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX028359.D
Acq: 26 Apr 2022 18:55

Tgt Ion: 84 Resp: 21617
Ion Ratio Lower Upper
84 100
49 109.1 85.5 128.3
51 35.7 26.6 39.8
86 64.4 51.5 77.3





#25

2-Butanone

Concen: 0.828 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX028359.D

Acq: 26 Apr 2022 18:55

Instrument :

MSVOA_X

ClientSampleId :

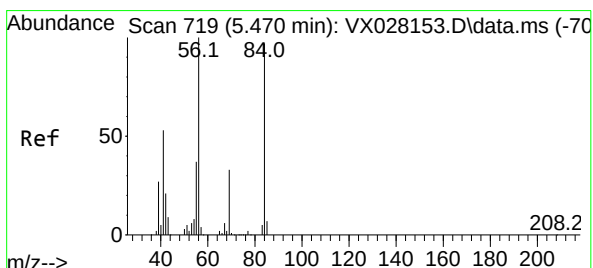
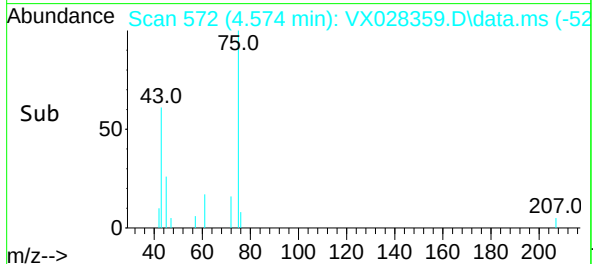
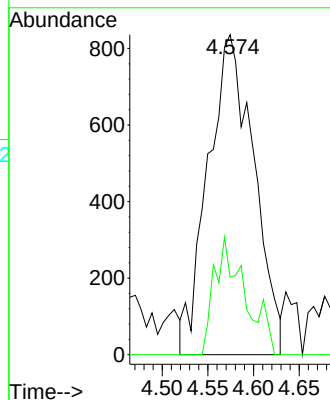
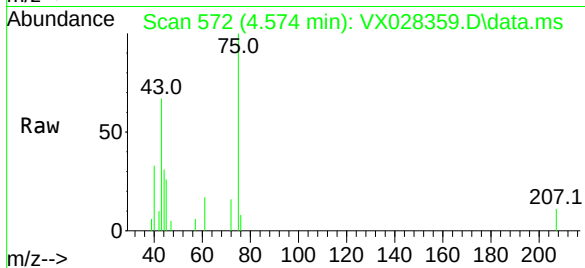
PB144366TB

Tgt Ion: 43 Resp: 2907

Ion Ratio Lower Upper

43 100

72 27.2 24.4 36.6



#31

Cyclohexane

Concen: 1.203 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.074 min

Lab File: VX028359.D

Acq: 26 Apr 2022 18:55

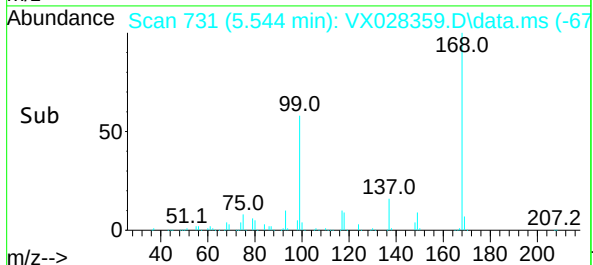
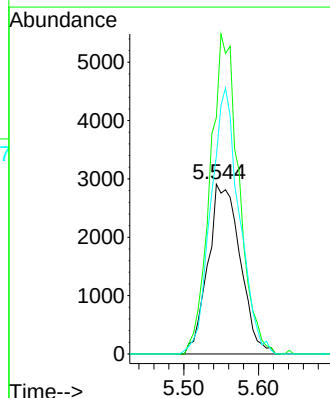
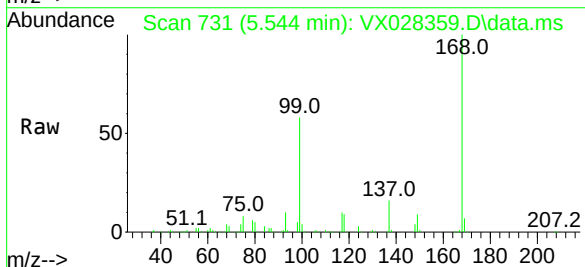
Tgt Ion: 56 Resp: 8690

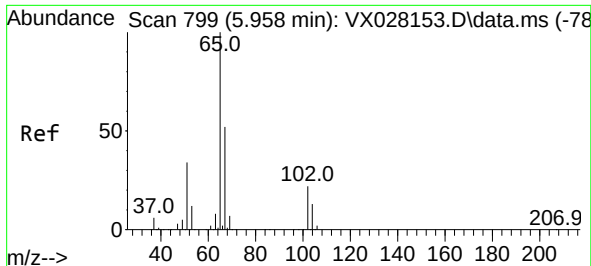
Ion Ratio Lower Upper

56 100

69 139.2 26.7 40.1#

84 116.7 77.2 115.8#

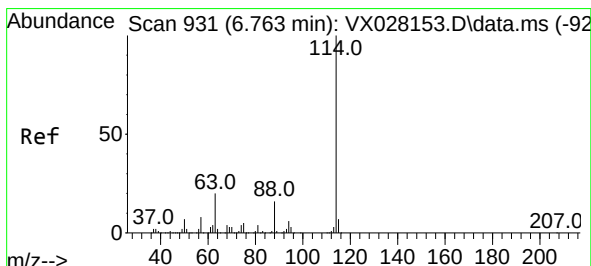
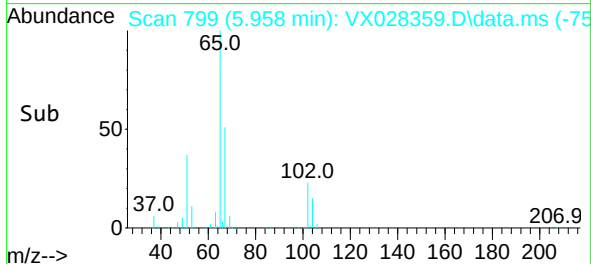
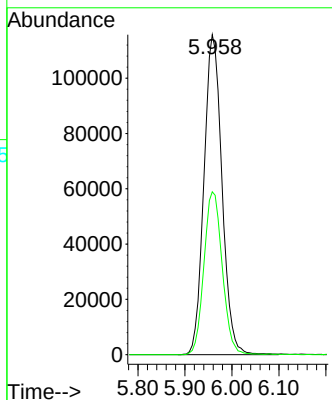
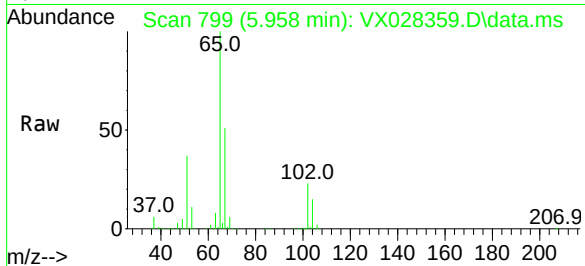




#33
 1,2-Dichloroethane-d4
 Concen: 51.949 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX028359.D
 Acq: 26 Apr 2022 18:55

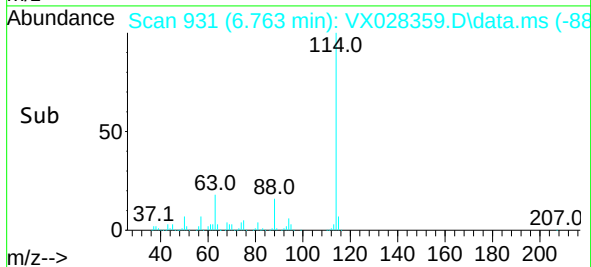
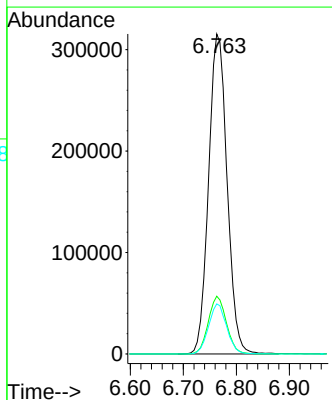
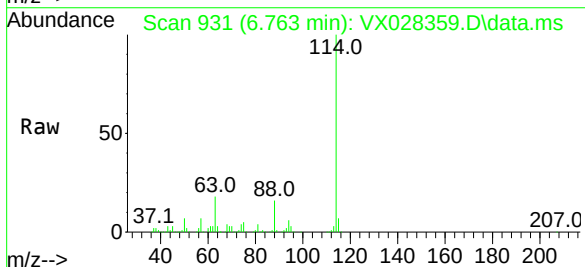
Instrument :
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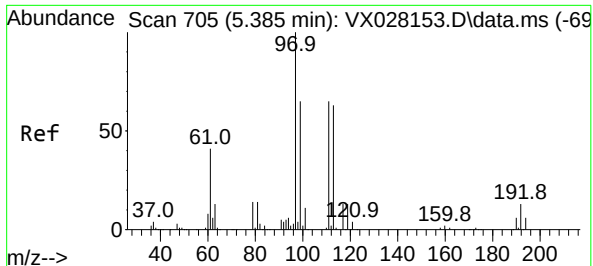
Tgt Ion: 65 Resp: 308089
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX028359.D
 Acq: 26 Apr 2022 18:55

Tgt Ion: 114 Resp: 763903
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.8
 88 15.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 52.696 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028359.D

Acq: 26 Apr 2022 18:55

Instrument :

MSVOA_X

ClientSampleId :

PB144366TB

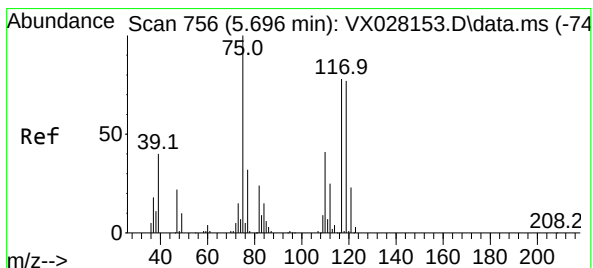
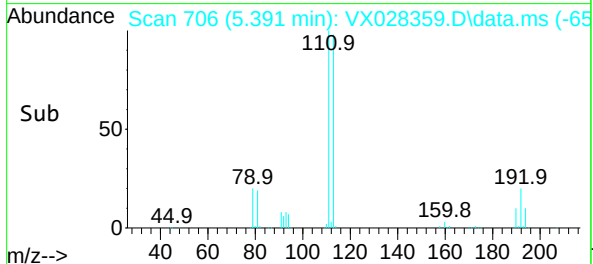
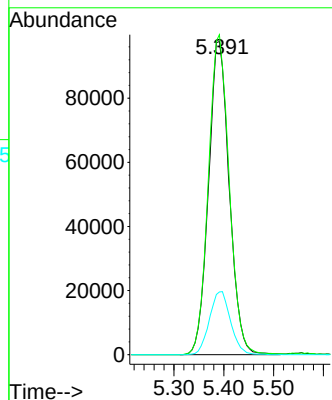
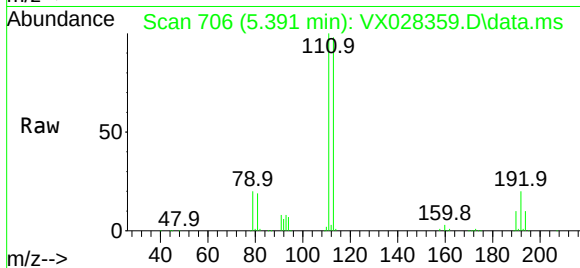
Tgt Ion:113 Resp: 282303

Ion Ratio Lower Upper

113 100

111 102.6 82.8 124.2

192 20.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.615 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX028359.D

Acq: 26 Apr 2022 18:55

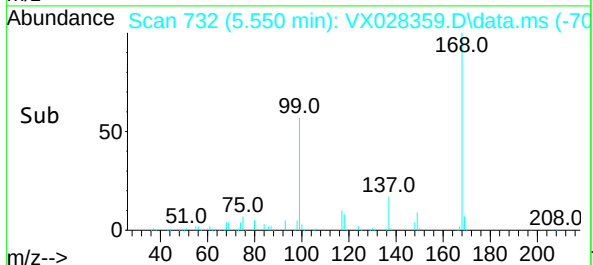
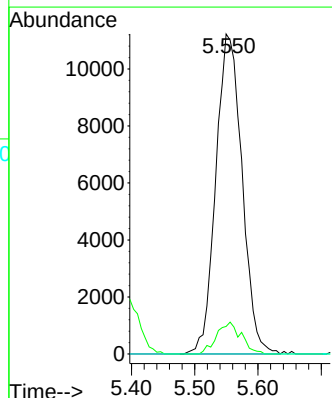
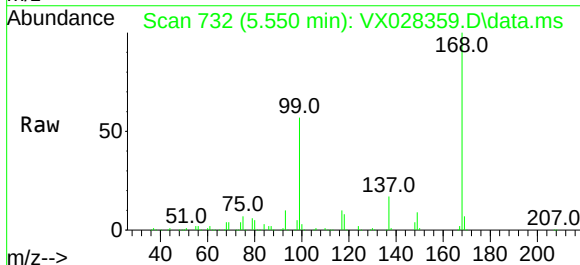
Tgt Ion: 75 Resp: 32249

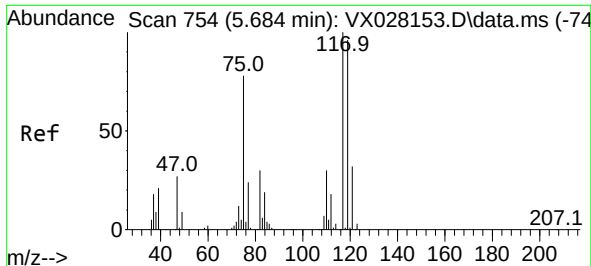
Ion Ratio Lower Upper

75 100

110 9.3 18.3 54.8#

77 0.0 24.8 37.2#

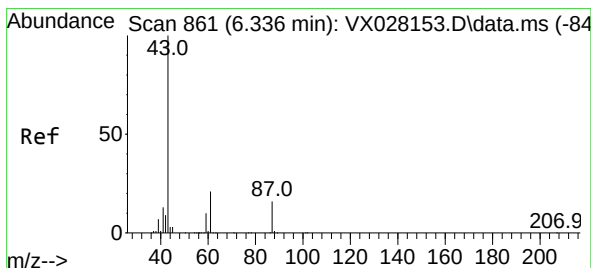
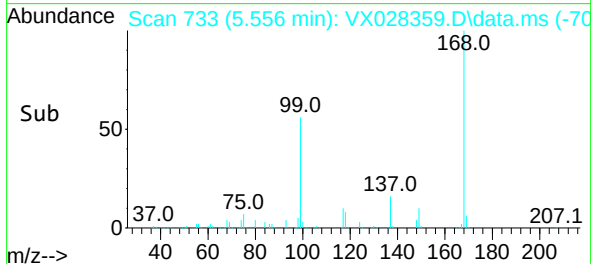
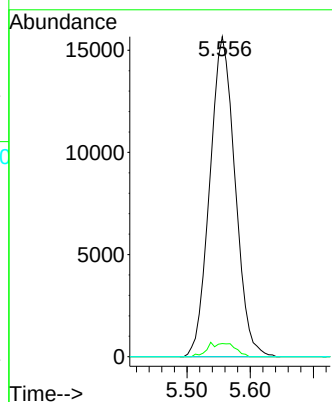
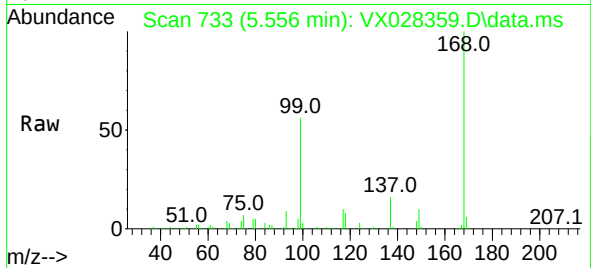




#38
Carbon Tetrachloride
Concen: 5.513 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX028359.D
Acq: 26 Apr 2022 18:55

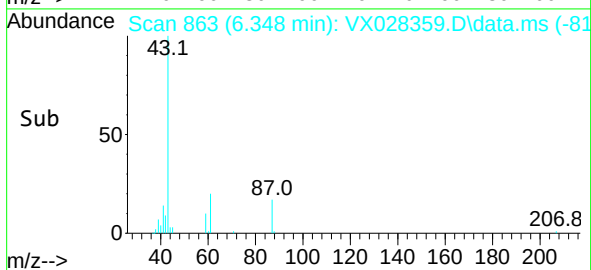
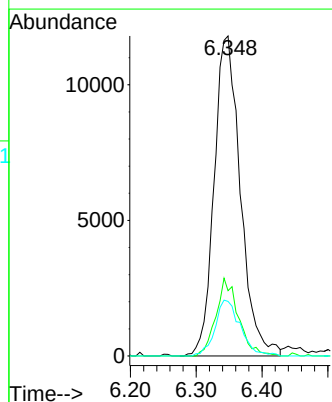
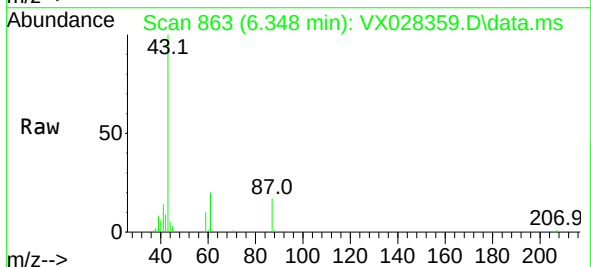
Instrument :
MSVOA_X
ClientSampleId :
PB144366TB

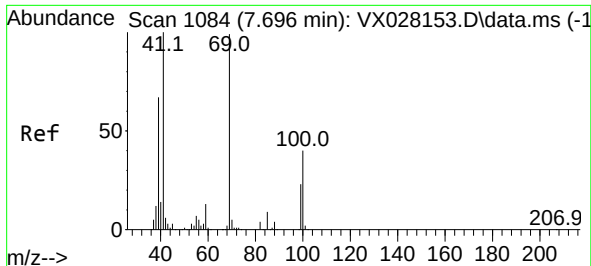
Tgt Ion:117 Resp: 43488
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.843 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028359.D
Acq: 26 Apr 2022 18:55

Tgt Ion: 43 Resp: 32809
Ion Ratio Lower Upper
43 100
61 20.8 18.5 27.7
87 16.8 13.0 19.6

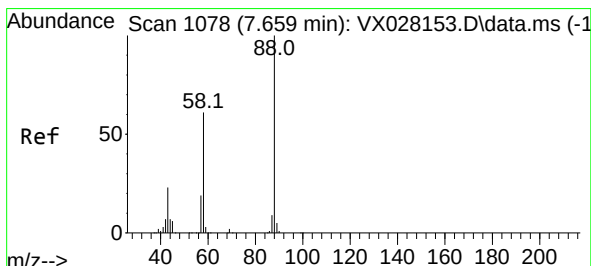
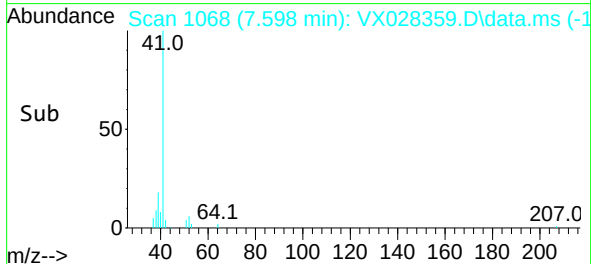
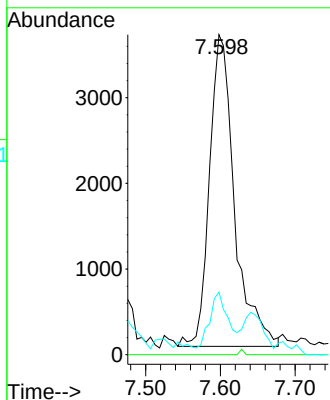
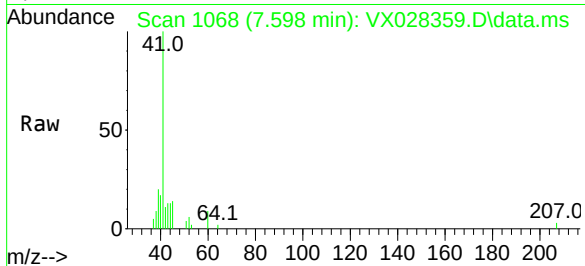




#48
Methyl methacrylate
Concen: 1.602 ug/l
RT: 7.598 min Scan# 1102
Delta R.T. -0.098 min
Lab File: VX028359.D
Acq: 26 Apr 2022 18:55

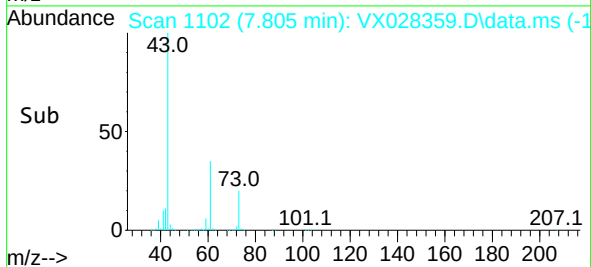
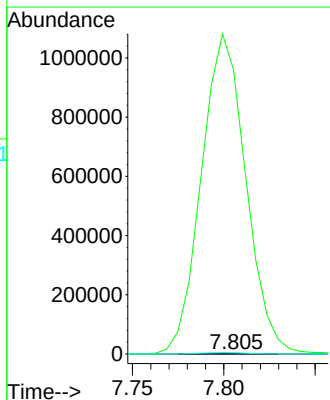
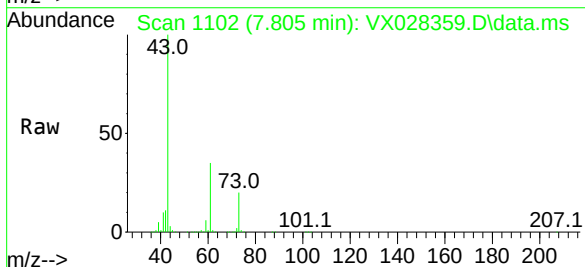
Instrument :
MSVOA_X
ClientSampleId :
PB144366TB

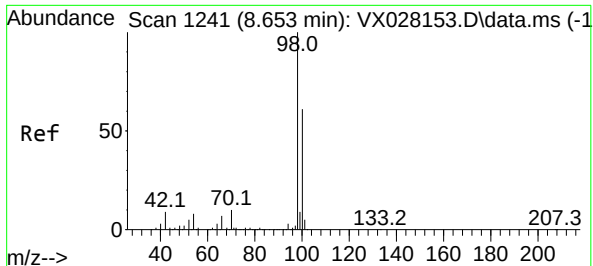
Tgt Ion: 41 Resp: 8488
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 2.716 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.146 min
Lab File: VX028359.D
Acq: 26 Apr 2022 18:55

Tgt Ion: 88 Resp: 385
Ion Ratio Lower Upper
88 100
43 478155.6 21.9 32.9#
58 2089.6 53.7 80.5#

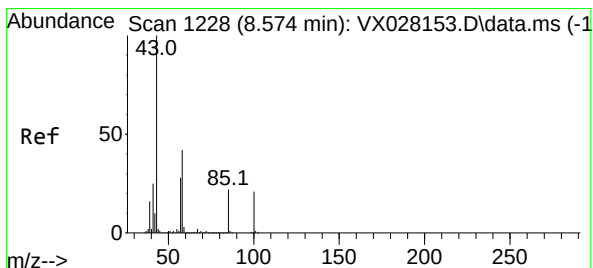
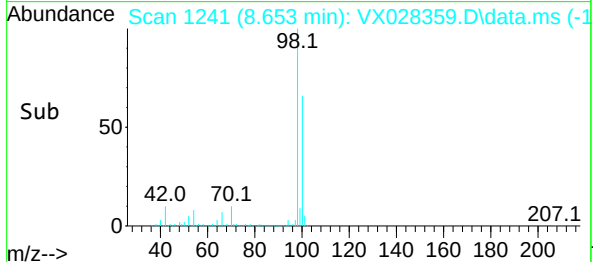
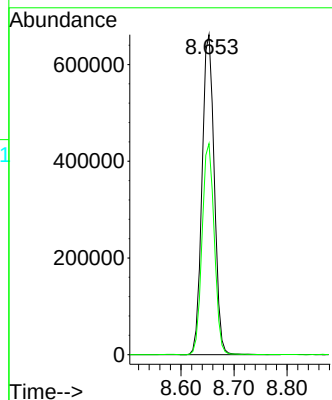
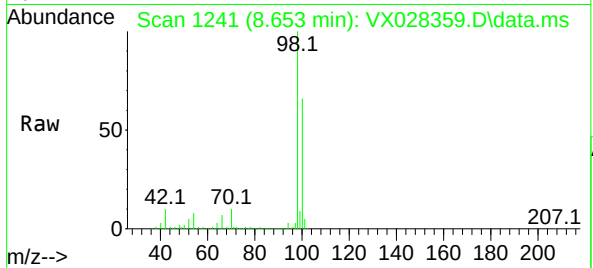




#50
Toluene-d8
Concen: 51.465 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028359.D
Acq: 26 Apr 2022 18:55

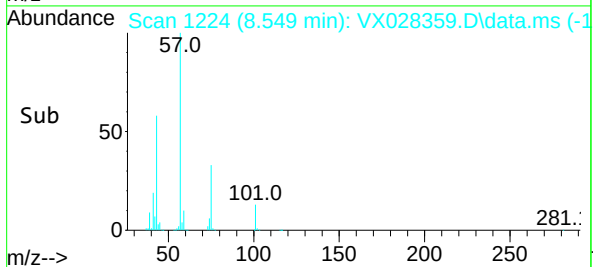
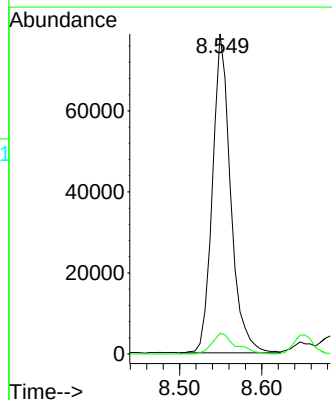
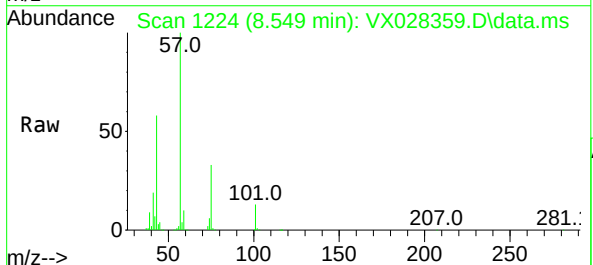
Instrument :
MSVOA_X
ClientSampleId :
PB144366TB

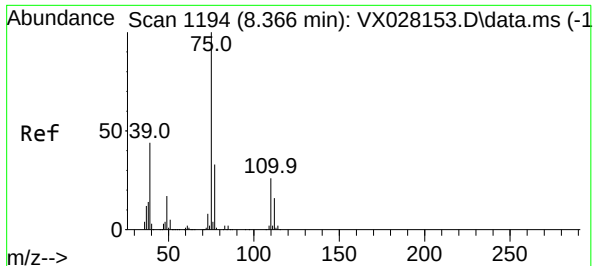
Tgt Ion: 98 Resp: 1058931
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 16.323 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028359.D
Acq: 26 Apr 2022 18:55

Tgt Ion: 43 Resp: 120880
Ion Ratio Lower Upper
43 100
58 8.3 36.1 54.1#





#54

cis-1,3-Dichloropropene

Concen: 7.609 ug/l

RT: 8.549 min Scan# 1194

Delta R.T. 0.183 min

Lab File: VX028359.D

Acq: 26 Apr 2022 18:55

Instrument :

MSVOA_X

ClientSampleId :

PB144366TB

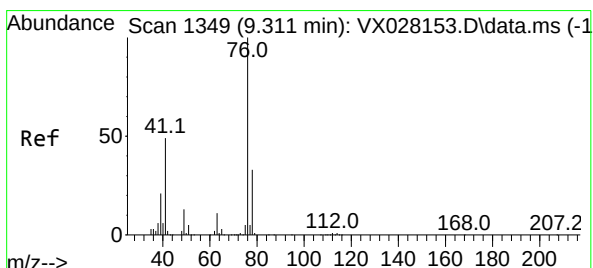
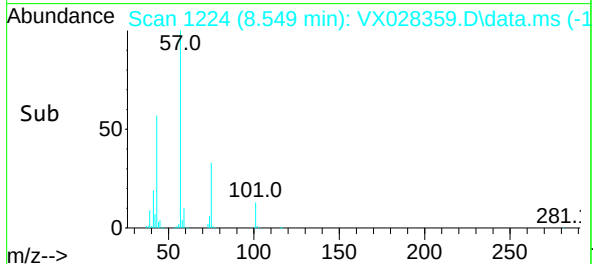
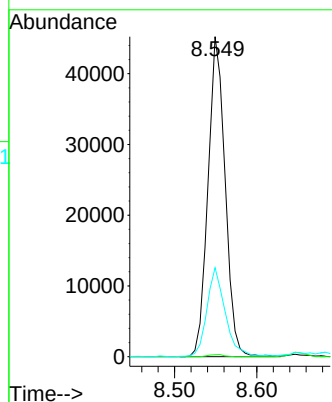
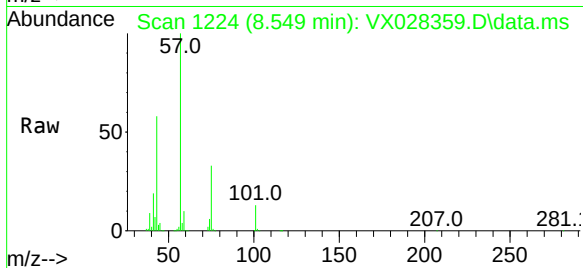
Tgt Ion: 75 Resp: 65552

Ion Ratio Lower Upper

75 100

77 0.6 24.8 37.2#

39 27.7 29.6 44.4#



#57

1,3-Dichloropropane

Concen: 4.463 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028359.D

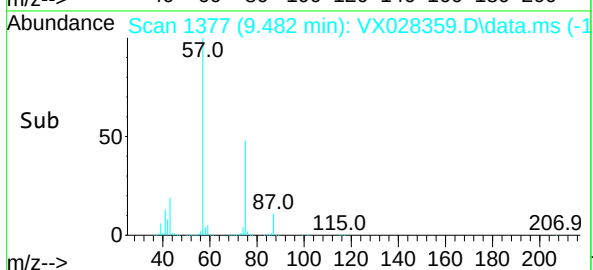
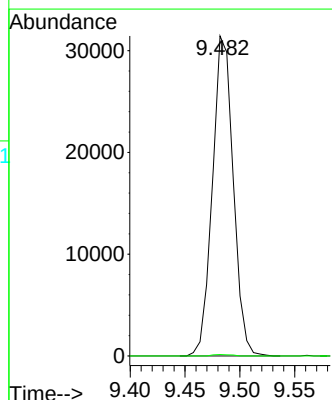
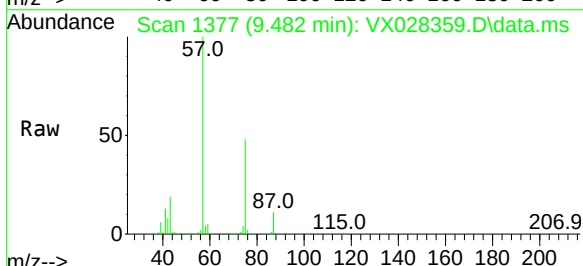
Acq: 26 Apr 2022 18:55

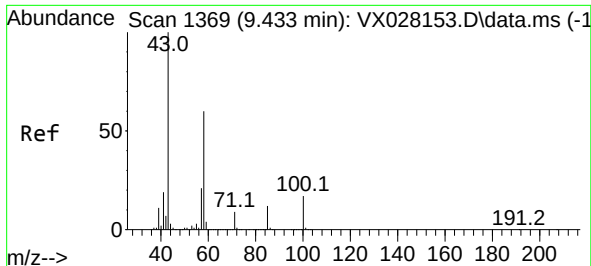
Tgt Ion: 76 Resp: 41593

Ion Ratio Lower Upper

76 100

78 0.4 25.8 38.8#

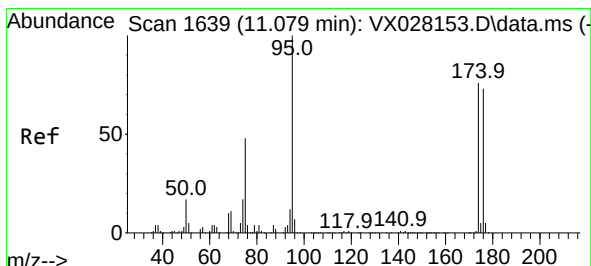
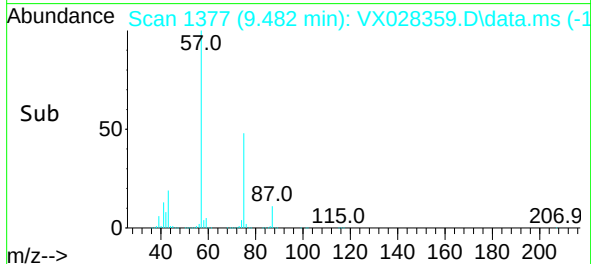
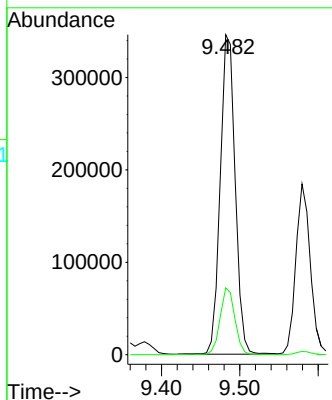
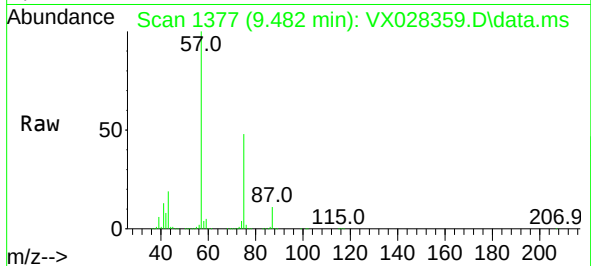




#59
2-Hexanone
Concen: 80.157 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX028359.D
Acq: 26 Apr 2022 18:55

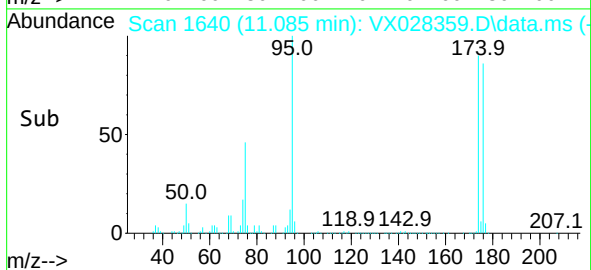
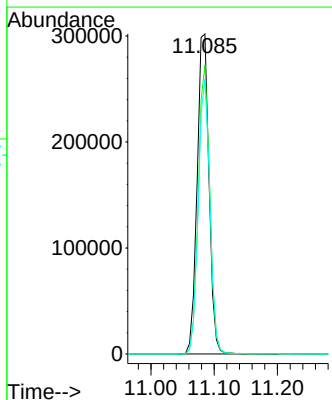
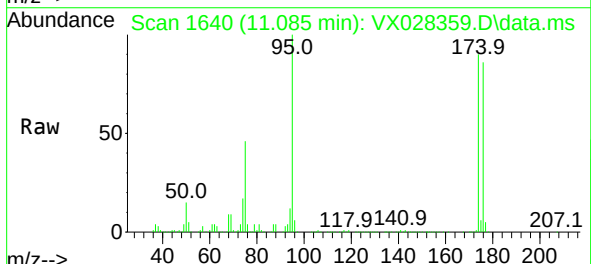
Instrument :
MSVOA_X
ClientSampleId :
PB144366TB

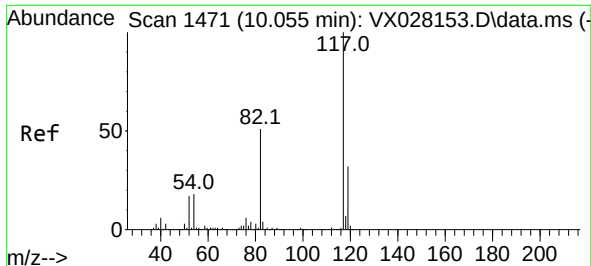
Tgt Ion: 43 Resp: 459803
Ion Ratio Lower Upper
43 100
58 20.6 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 50.319 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX028359.D
Acq: 26 Apr 2022 18:55

Tgt Ion: 95 Resp: 395875
Ion Ratio Lower Upper
95 100
174 87.4 0.0 163.0
176 83.8 0.0 155.0

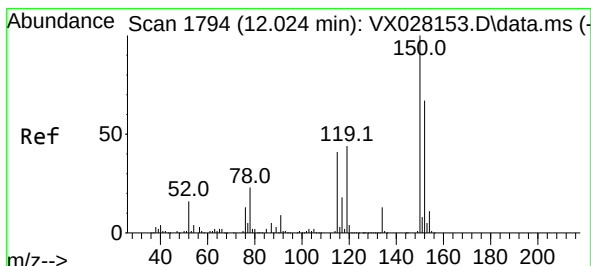
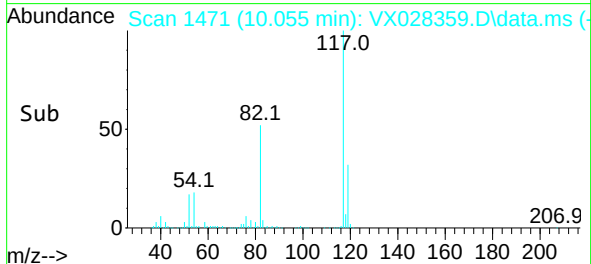
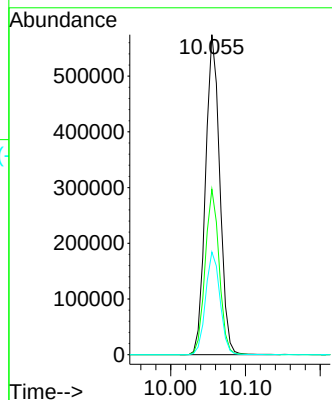
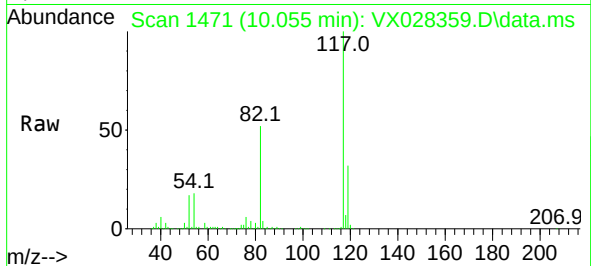




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028359.D
Acq: 26 Apr 2022 18:55

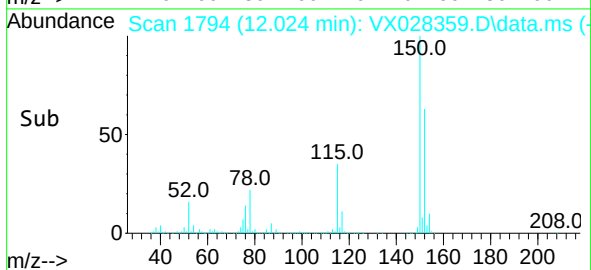
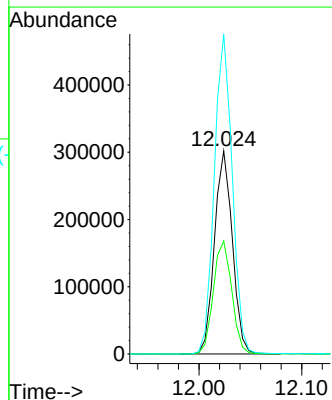
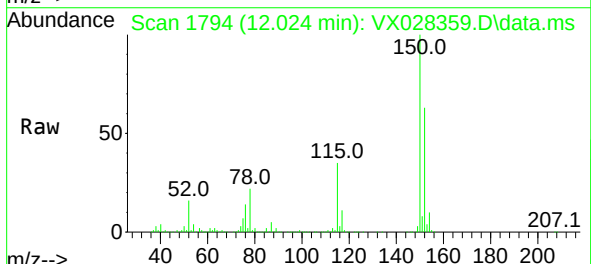
Instrument :
MSVOA_X
ClientSampleId :
PB144366TB

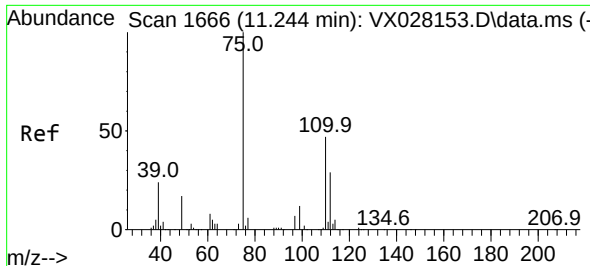
Tgt Ion:117 Resp: 759687
Ion Ratio Lower Upper
117 100
82 51.7 41.8 62.8
119 32.1 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028359.D
Acq: 26 Apr 2022 18:55

Tgt Ion:152 Resp: 365028
Ion Ratio Lower Upper
152 100
115 57.1 37.5 112.7
150 157.8 0.0 338.2

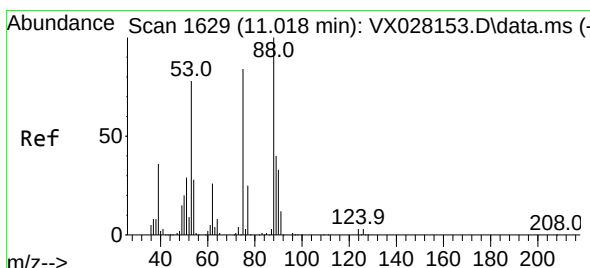
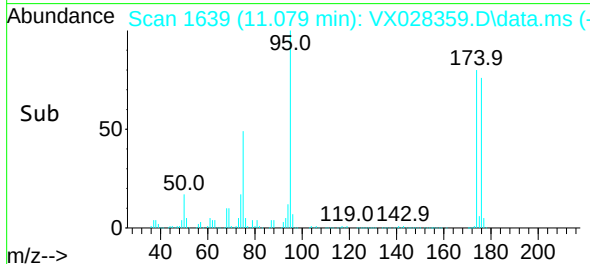
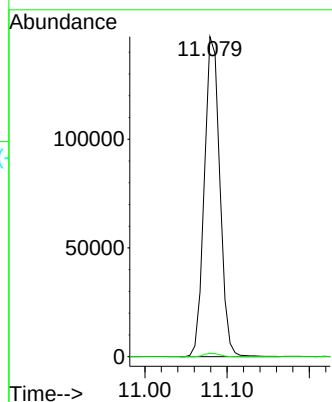
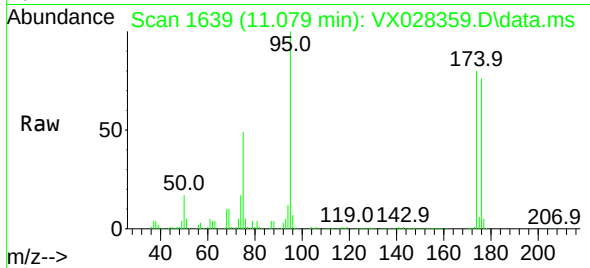




#76
1,2,3-Trichloropropane
Concen: 26.832 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028359.D
Acq: 26 Apr 2022 18:55

Instrument :
MSVOA_X
ClientSampleId :
PB144366TB

Tgt Ion: 75 Resp: 192760
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.737 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028359.D
Acq: 26 Apr 2022 18:55

Tgt Ion: 75 Resp: 192760
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

