

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028456.D
 Acq On : 30 Apr 2022 04:36
 Operator : JC/MD
 Sample : PB144452ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#11

Quant Time: Apr 30 09:23:40 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)

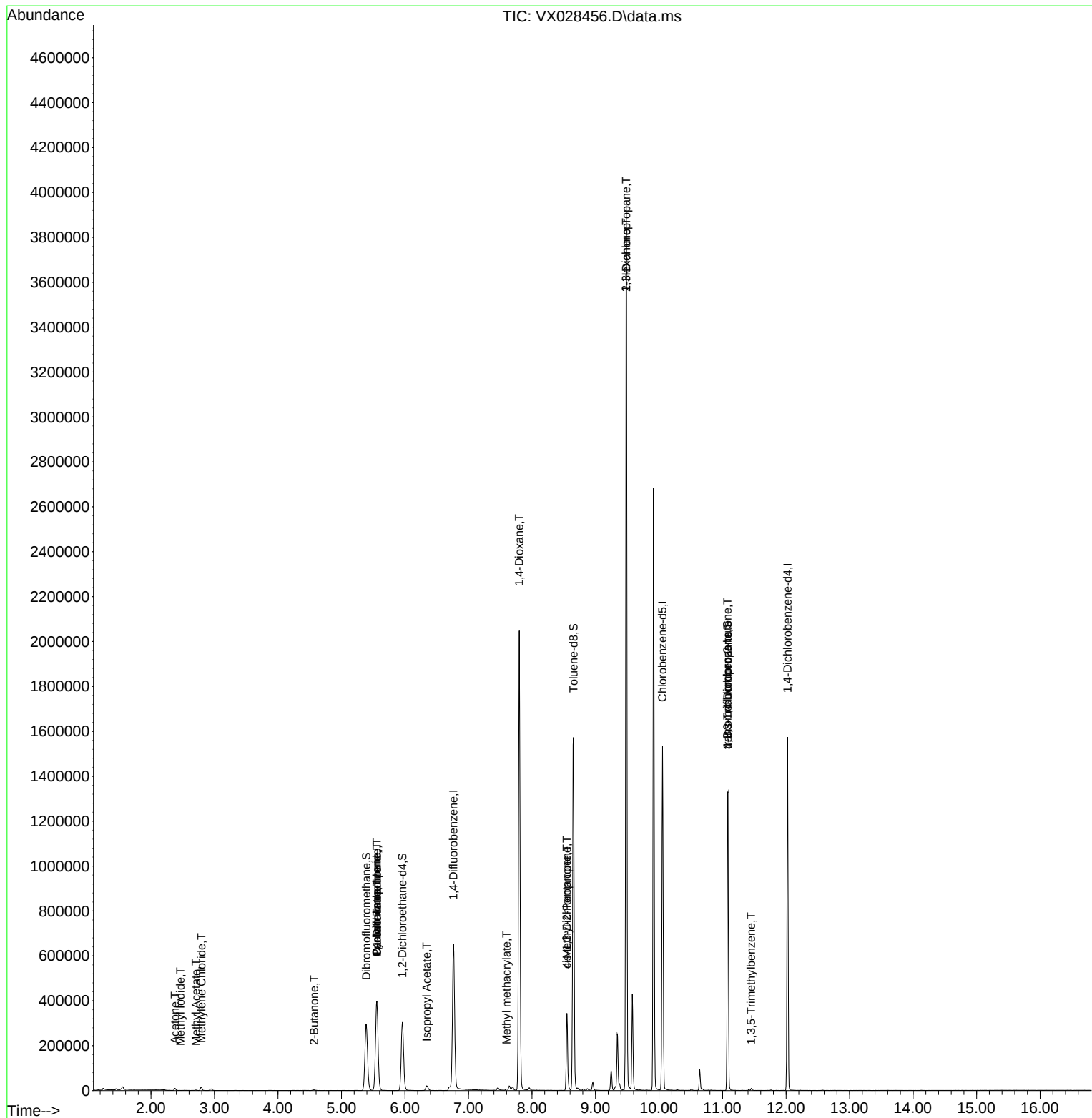
Internal Standards						
1) Pentafluorobenzene	5.556	168	386583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	680730	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	704008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	320745	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	289813	57.496	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 115.000%			
35) Dibromofluoromethane	5.391	113	259376	54.332	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 108.660%			
50) Toluene-d8	8.653	98	971864	53.004	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.000%			
62) 4-Bromofluorobenzene	11.079	95	358702	51.164	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 102.320%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	360	Below Cal		94
5) Bromomethane	1.617	94	960	Below Cal		94
6) Chloroethane	1.672	64	689	Below Cal	#	43
8) Diethyl Ether	2.135	74	56	Below Cal	#	1
10) Methyl Iodide	2.465	142	240	5.285 ug/l	#	52
11) Tert butyl alcohol	2.946	59	3720	Below Cal	#	72
16) Acetone	2.379	43	10144	5.222 ug/l		90
18) Methyl Acetate	2.708	43	2700	0.602 ug/l	#	87
20) Methylene Chloride	2.794	84	6946	1.857 ug/l		89
25) 2-Butanone	4.568	43	4044	1.355 ug/l	#	82
31) Cyclohexane	5.556	56	7836	1.276 ug/l	#	1
36) 1,1-Dichloropropene	5.556	75	28957	4.650 ug/l	#	46
38) Carbon Tetrachloride	5.556	117	38499	5.477 ug/l	#	16
43) Isopropyl Acetate	6.342	43	28614	2.783 ug/l		95
48) Methyl methacrylate	7.598	41	7730	1.637 ug/l	#	7
49) 1,4-Dioxane	7.799	88	403	3.191 ug/l	#	1
51) 4-Methyl-2-Pentanone	8.549	43	109007	16.519 ug/l	#	44
54) cis-1,3-Dichloropropene	8.549	75	57802	7.529 ug/l	#	70
57) 1,3-Dichloropropane	9.482	76	37686	4.538 ug/l	#	43
59) 2-Hexanone	9.482	43	427289	83.590 ug/l	#	45
76) 1,2,3-Trichloropropane	11.079	75	177637	28.141 ug/l	#	38
80) 1,3,5-Trimethylbenzene	11.451	105	3848	0.206 ug/l		92
81) trans-1,4-Dichloro-2-b...	11.079	75	177637	83.627 ug/l	#	15

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

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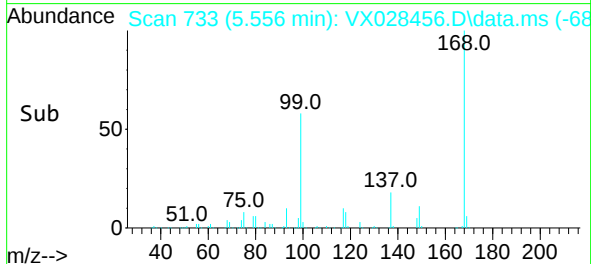
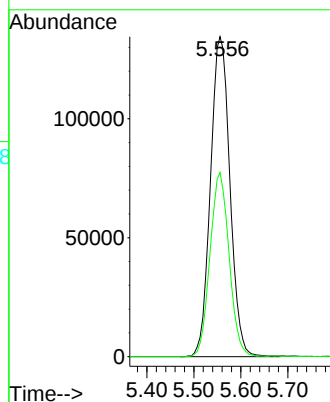
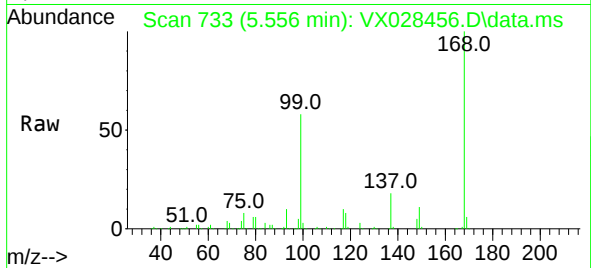




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028456.D
Acq: 30 Apr 2022 04:36

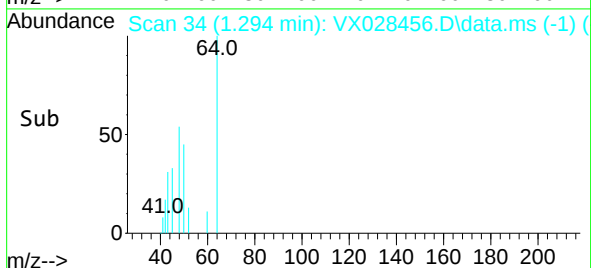
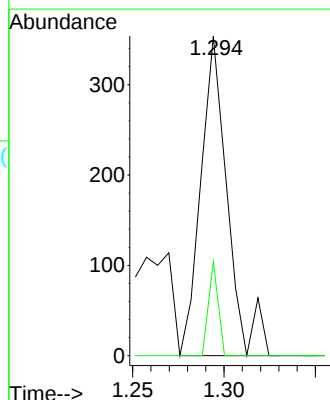
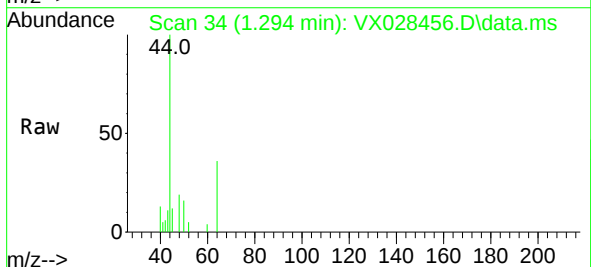
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#11

Tgt Ion:168 Resp: 386583
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: VX028456.D
Acq: 30 Apr 2022 04:36

Tgt Ion: 50 Resp: 360
Ion Ratio Lower Upper
50 100
52 29.4 26.4 39.6

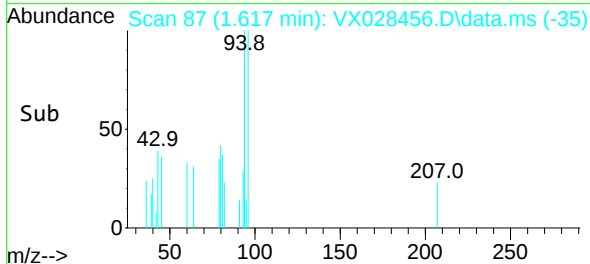
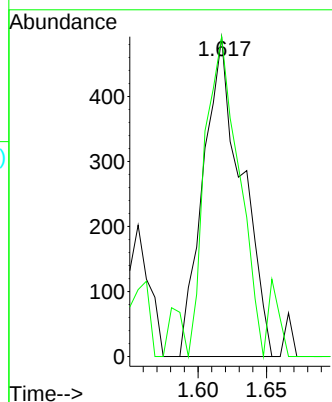
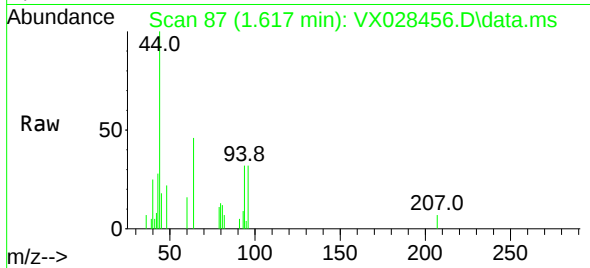




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028456.D
Acq: 30 Apr 2022 04:36

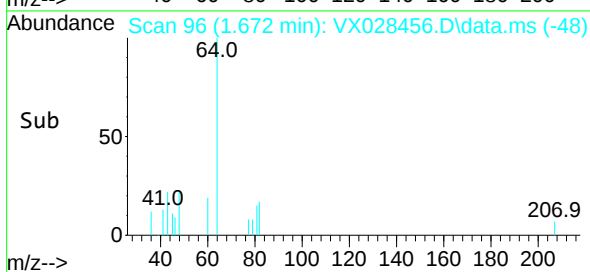
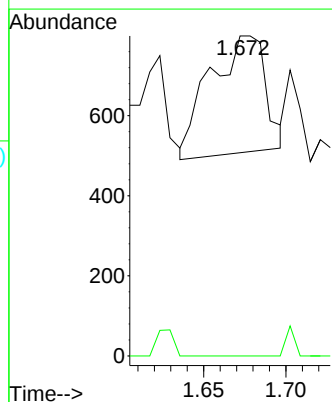
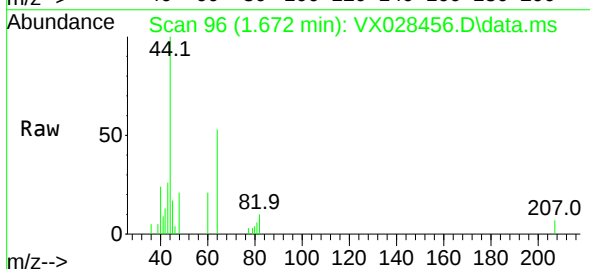
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#11

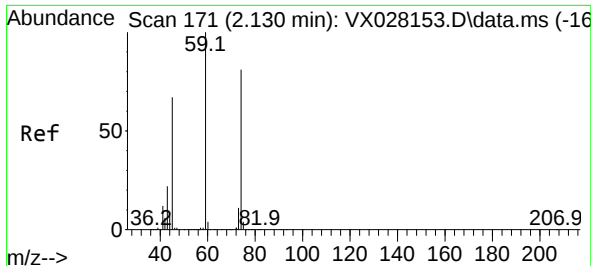
Tgt Ion: 94 Resp: 960
Ion Ratio Lower Upper
94 100
96 88.4 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX028456.D
Acq: 30 Apr 2022 04:36

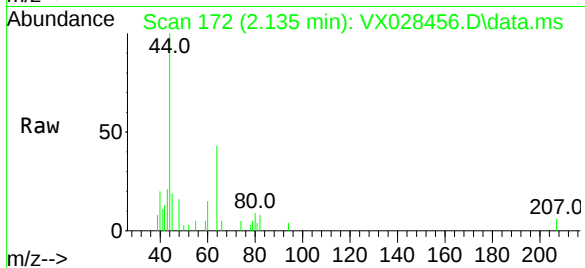
Tgt Ion: 64 Resp: 689
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



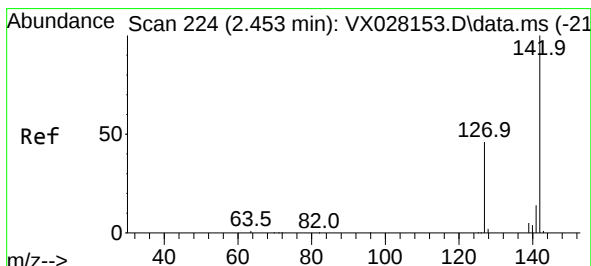
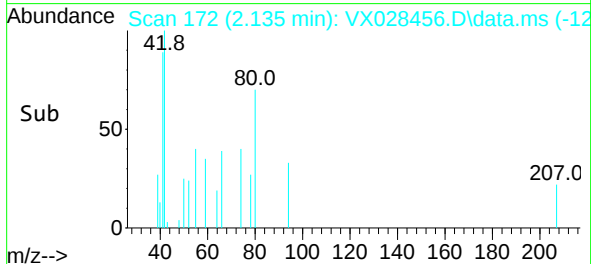
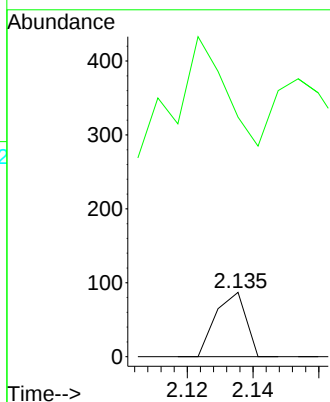


#8
Diethyl Ether
Concen: Below Cal
RT: 2.135 min Scan# 11
Delta R.T. 0.005 min
Lab File: VX028456.D
Acq: 30 Apr 2022 04:36

Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#11

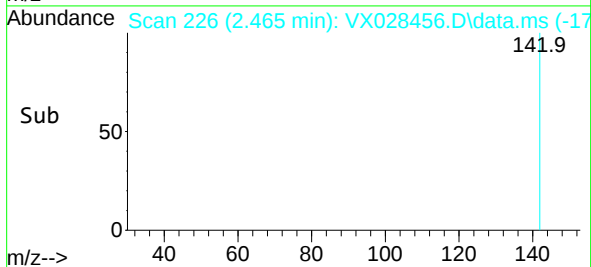
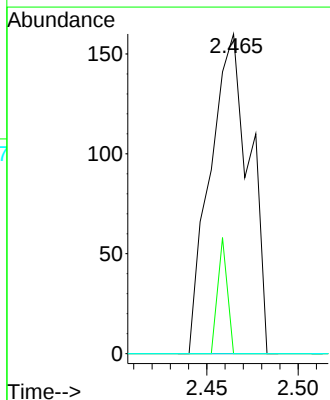
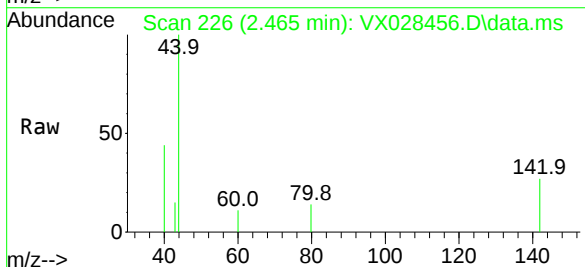


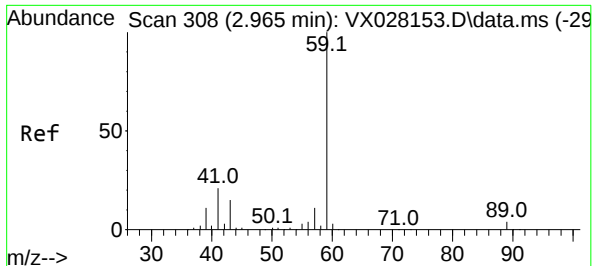
Tgt Ion: 74 Resp: 56
Ion Ratio Lower Upper
74 100
45 507.1 42.0 126.0#



#10
Methyl Iodide
Concen: 5.285 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028456.D
Acq: 30 Apr 2022 04:36

Tgt Ion: 142 Resp: 240
Ion Ratio Lower Upper
142 100
127 8.8 33.9 50.9#
141 0.0 11.4 17.2#

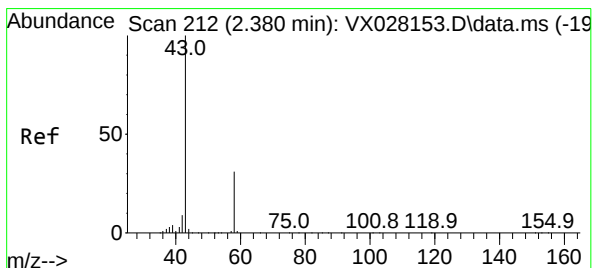
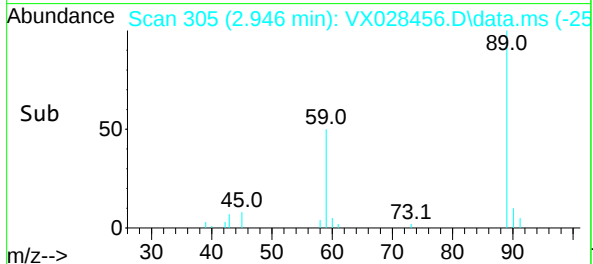
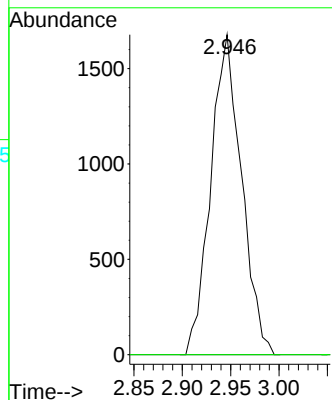
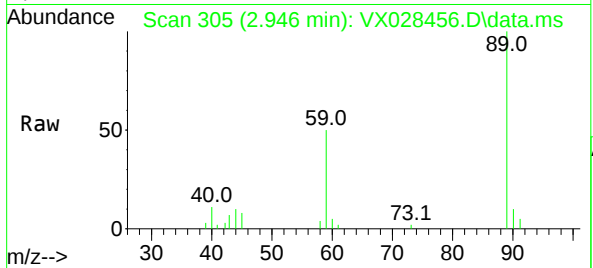




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 308
Delta R.T. -0.019 min
Lab File: VX028456.D
Acq: 30 Apr 2022 04:36

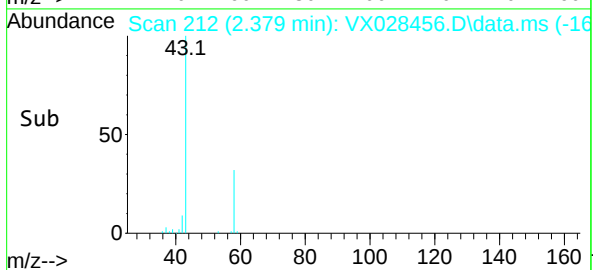
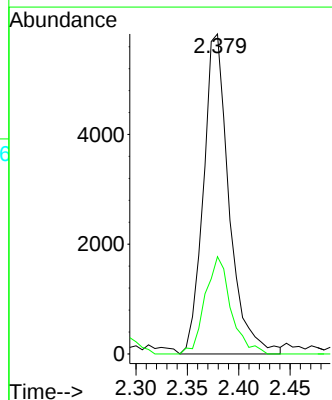
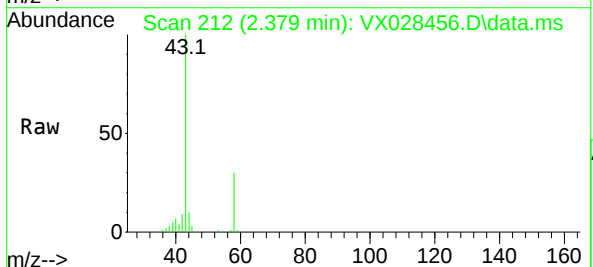
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#11

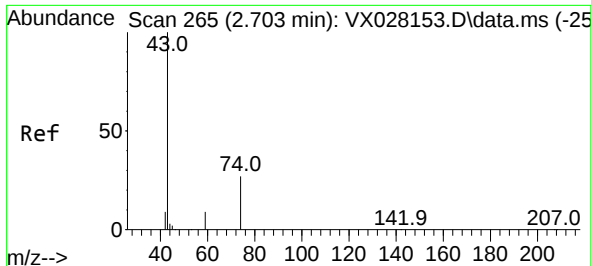
Tgt Ion: 59 Resp: 3720
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 5.222 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX028456.D
Acq: 30 Apr 2022 04:36

Tgt Ion: 43 Resp: 10144
Ion Ratio Lower Upper
43 100
58 30.4 28.8 43.2

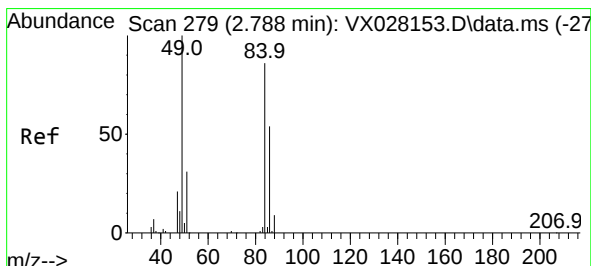
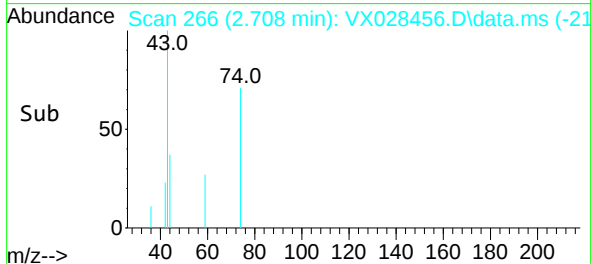
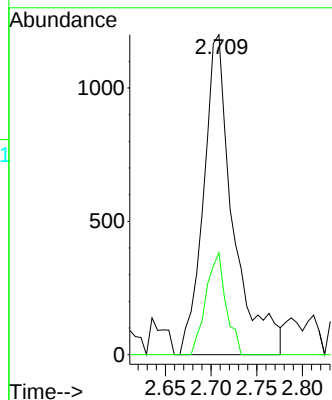
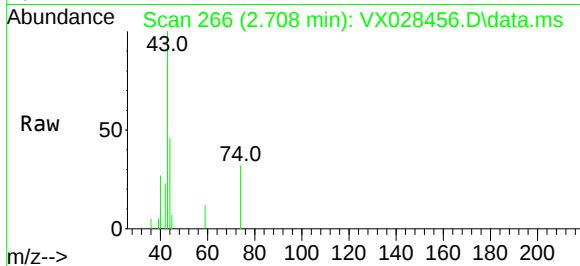




#18
Methyl Acetate
Concen: 0.602 ug/l
RT: 2.708 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX028456.D
Acq: 30 Apr 2022 04:36

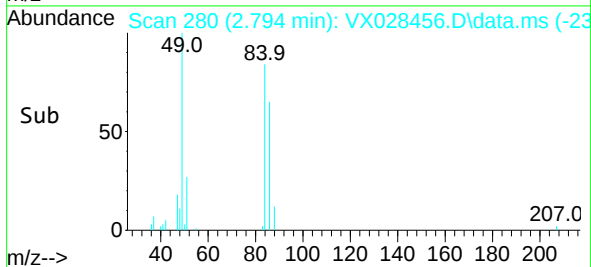
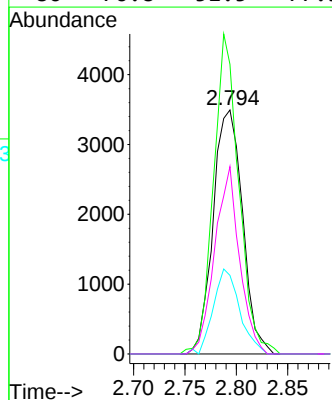
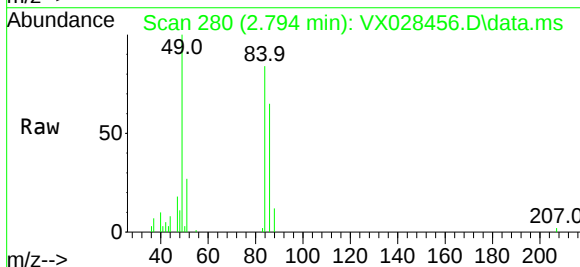
Instrument :
MSVOA_X
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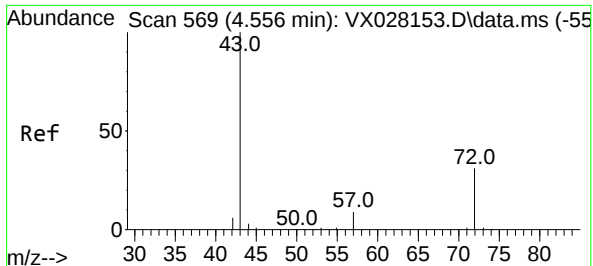
Tgt Ion: 43 Resp: 2700
Ion Ratio Lower Upper
43 100
74 21.6 22.8 34.2#



#20
Methylene Chloride
Concen: 1.857 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX028456.D
Acq: 30 Apr 2022 04:36

Tgt Ion: 84 Resp: 6946
Ion Ratio Lower Upper
84 100
49 118.7 85.5 128.3
51 32.2 26.6 39.8
86 76.8 51.5 77.3

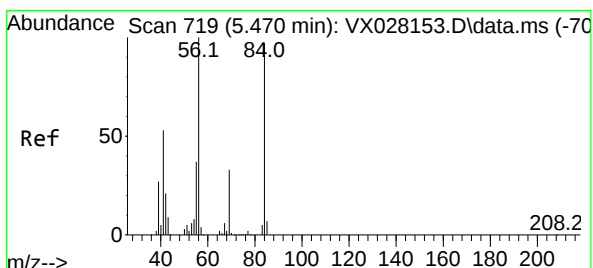
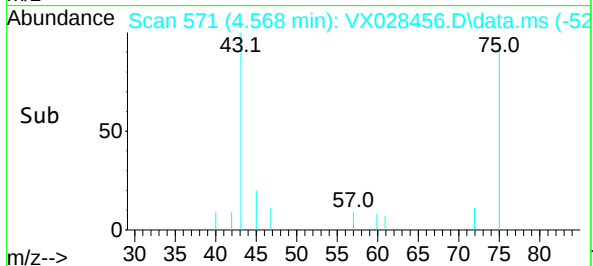
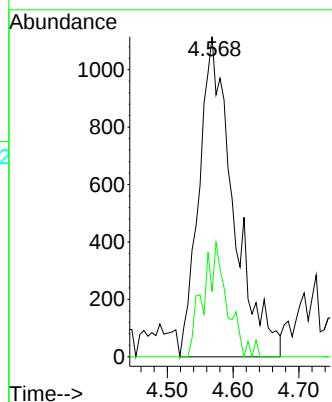
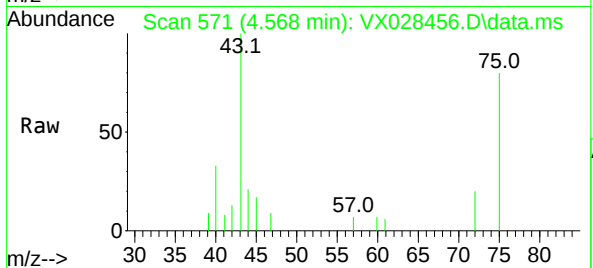




#25
2-Butanone
Concen: 1.355 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX028456.D
Acq: 30 Apr 2022 04:36

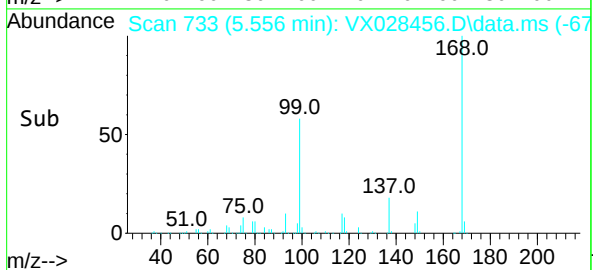
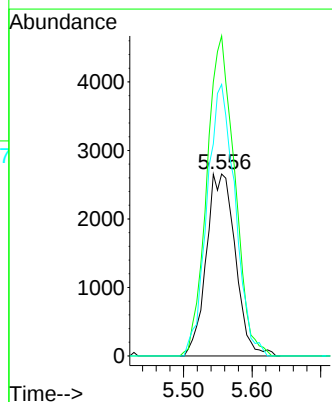
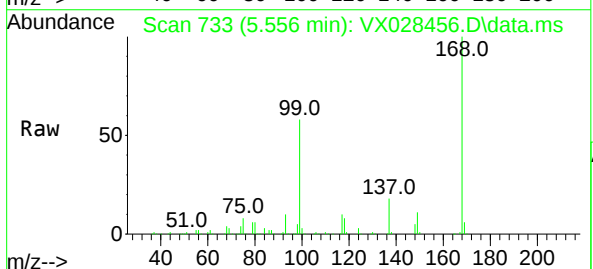
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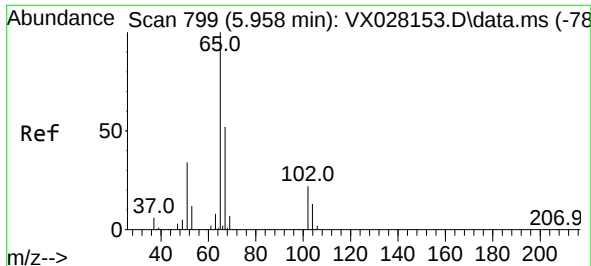
Tgt Ion: 43 Resp: 4044
Ion Ratio Lower Upper
43 100
72 20.4 24.4 36.6#



#31
Cyclohexane
Concen: 1.276 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX028456.D
Acq: 30 Apr 2022 04:36

Tgt Ion: 56 Resp: 7836
Ion Ratio Lower Upper
56 100
69 175.9 26.7 40.1#
84 149.3 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 57.496 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX028456.D

Acq: 30 Apr 2022 04:36

Instrument :

MSVOA_X

ClientSampleId :

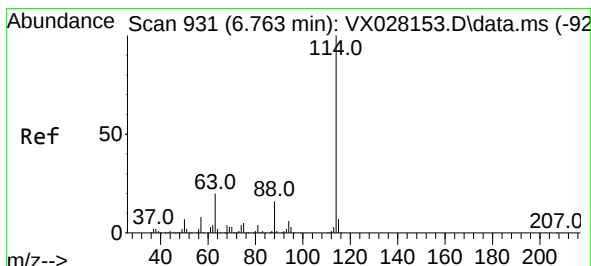
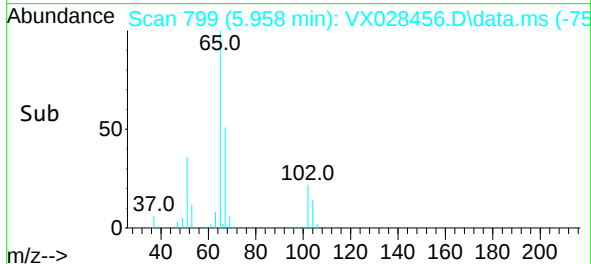
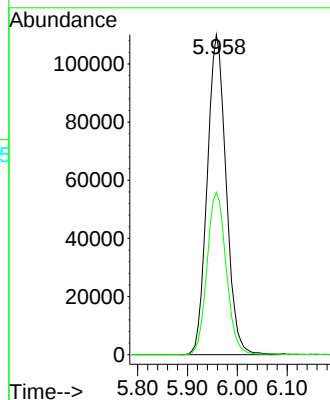
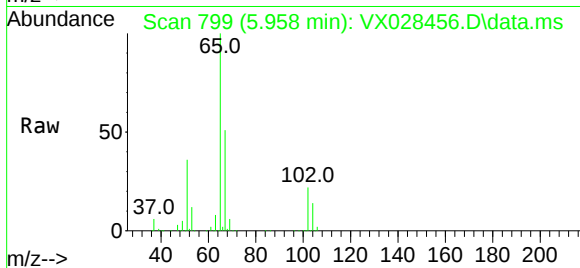
PB144452ZHE#11

Tgt Ion: 65 Resp: 289813

Ion Ratio Lower Upper

65 100

67 51.4 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: VX028456.D

Acq: 30 Apr 2022 04:36

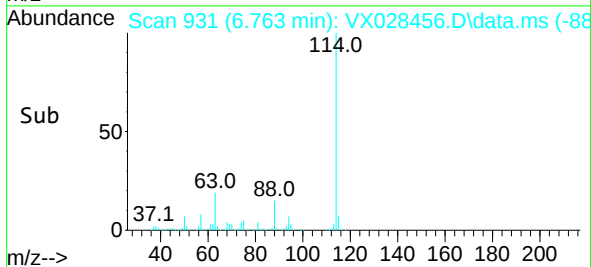
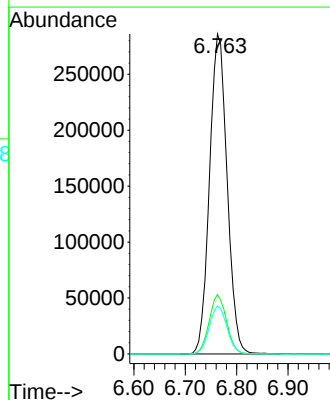
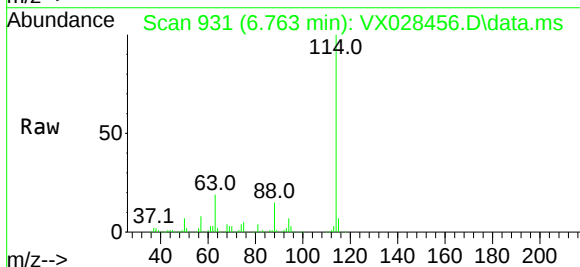
Tgt Ion: 114 Resp: 680730

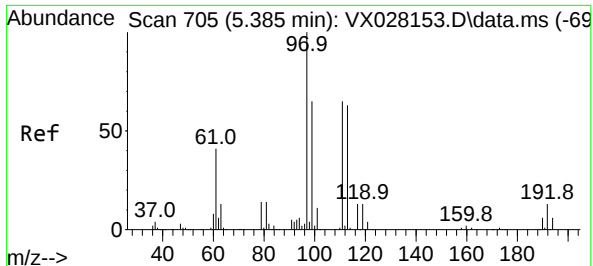
Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.8

88 15.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 54.332 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028456.D

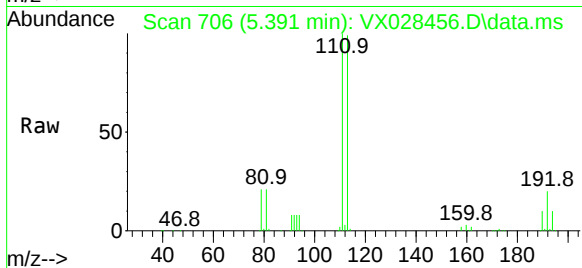
Acq: 30 Apr 2022 04:36

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#11



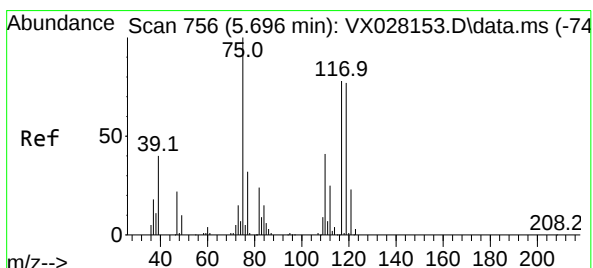
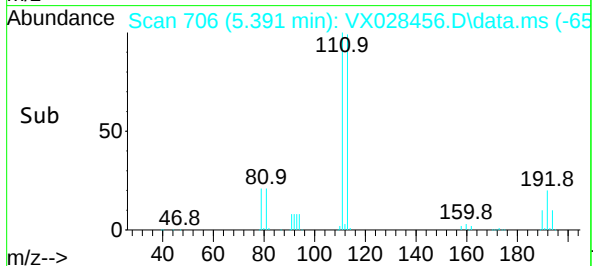
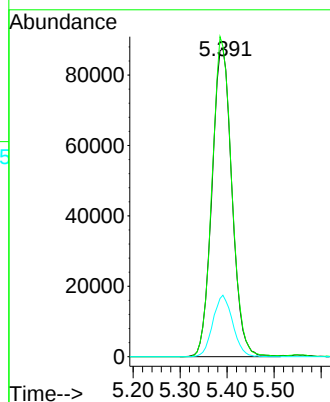
Tgt Ion:113 Resp: 259376

Ion Ratio Lower Upper

113 100

111 101.3 82.8 124.2

192 19.7 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.650 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX028456.D

Acq: 30 Apr 2022 04:36

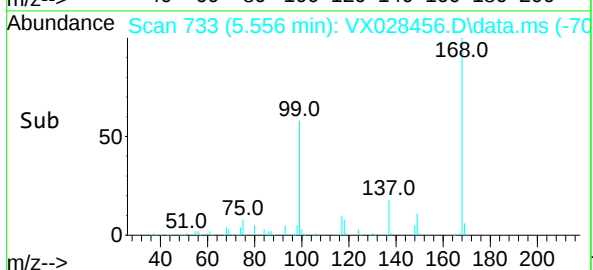
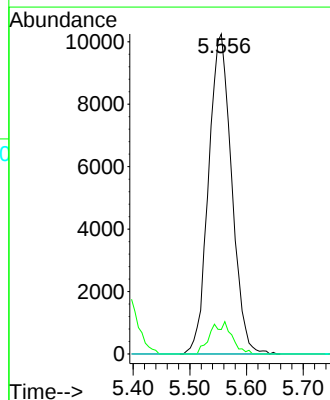
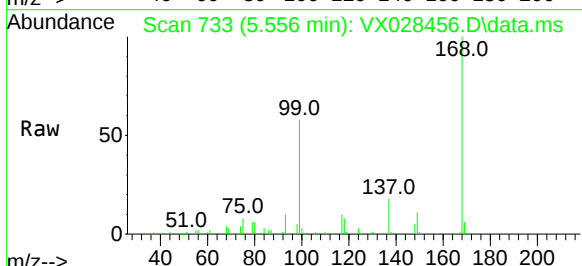
Tgt Ion: 75 Resp: 28957

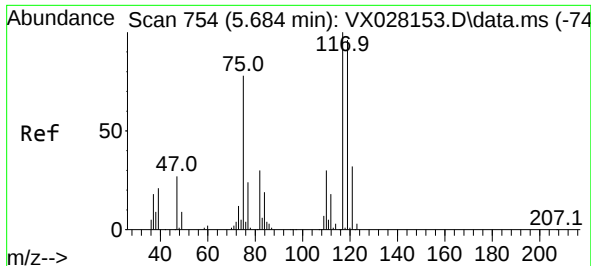
Ion Ratio Lower Upper

75 100

110 5.3 18.3 54.8#

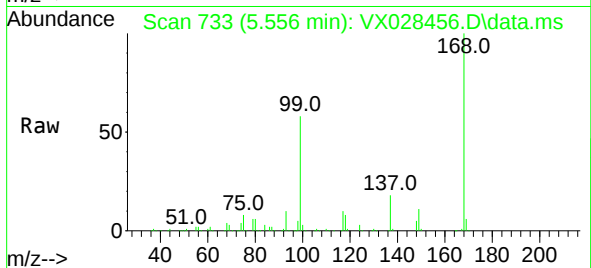
77 0.0 24.8 37.2#



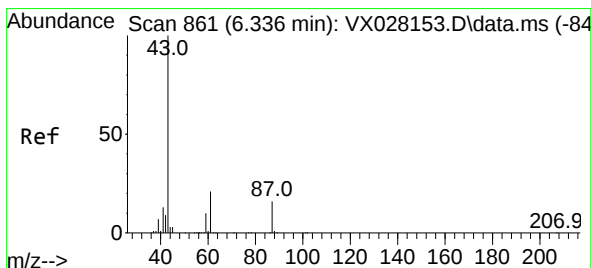
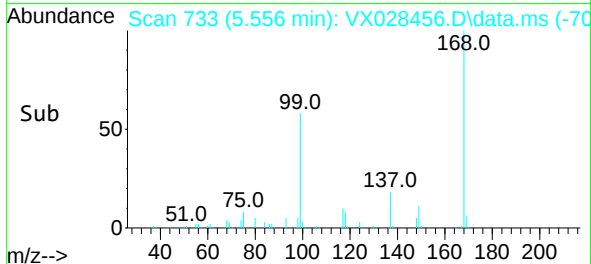
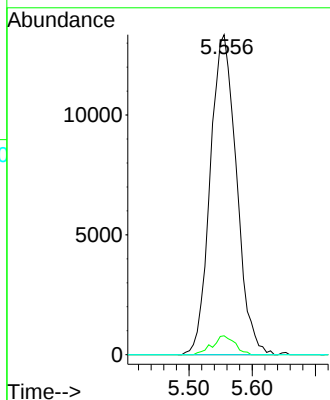


#38
Carbon Tetrachloride
Concen: 5.477 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX028456.D
Acq: 30 Apr 2022 04:36

Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#11

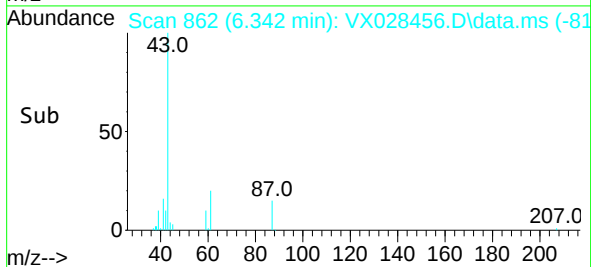
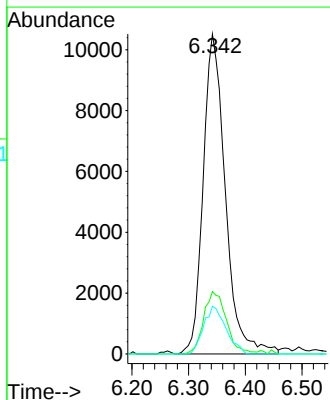
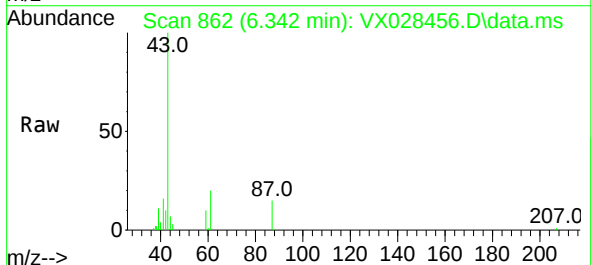


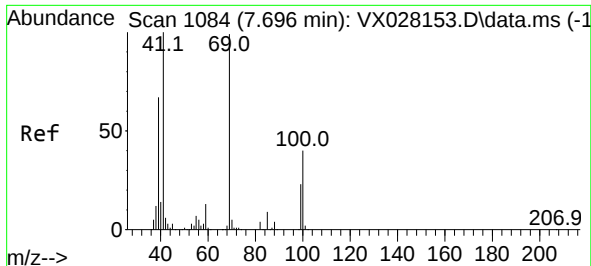
Tgt Ion:117 Resp: 38499
Ion Ratio Lower Upper
117 100
119 5.9 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.783 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028456.D
Acq: 30 Apr 2022 04:36

Tgt Ion: 43 Resp: 28614
Ion Ratio Lower Upper
43 100
61 20.0 18.5 27.7
87 15.0 13.0 19.6

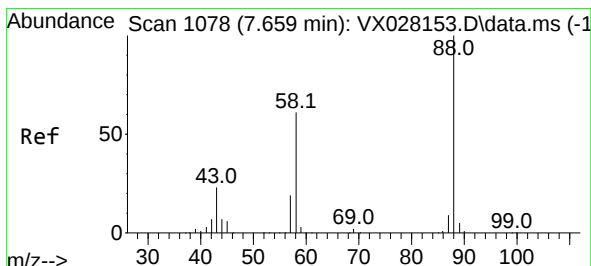
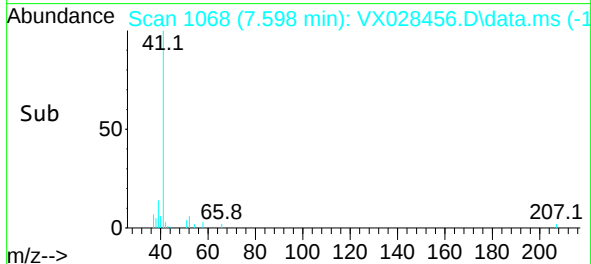
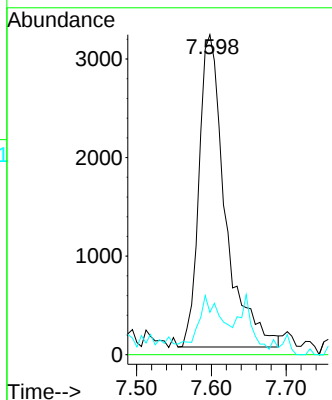
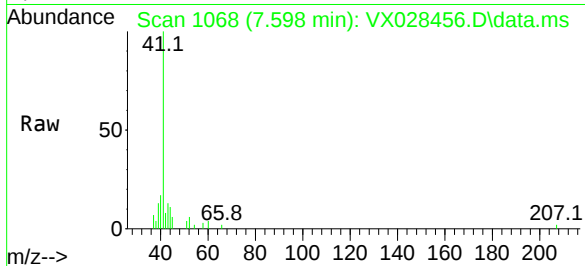




#48
Methyl methacrylate
Concen: 1.637 ug/l
RT: 7.598 min Scan# 1100
Delta R.T. -0.098 min
Lab File: VX028456.D
Acq: 30 Apr 2022 04:36

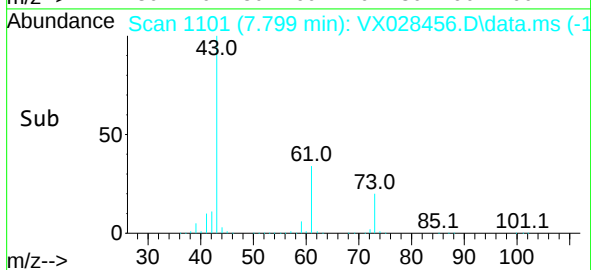
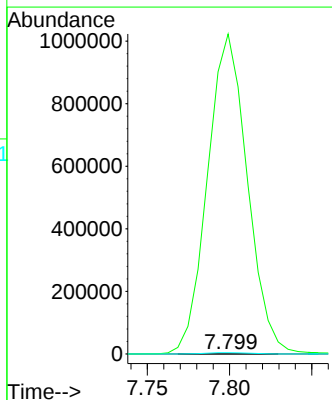
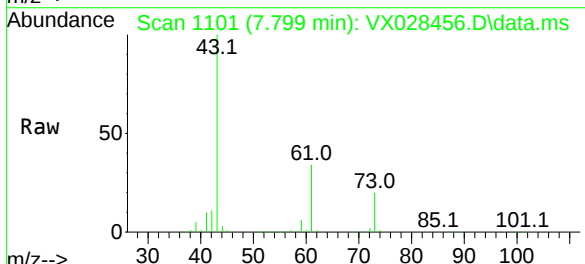
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#11

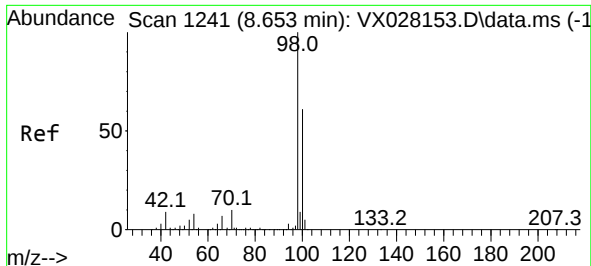
Tgt Ion: 41 Resp: 7730
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 3.191 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX028456.D
Acq: 30 Apr 2022 04:36

Tgt Ion: 88 Resp: 403
Ion Ratio Lower Upper
88 100
43 430011.7 21.9 32.9#
58 1978.2 53.7 80.5#

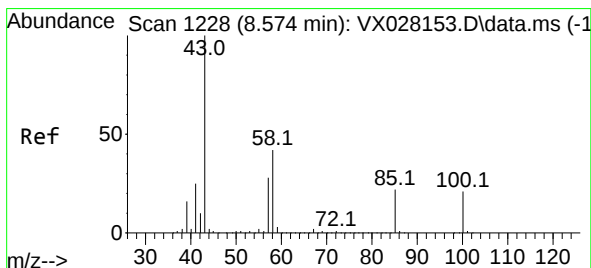
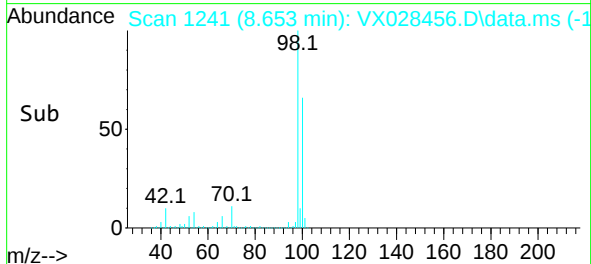
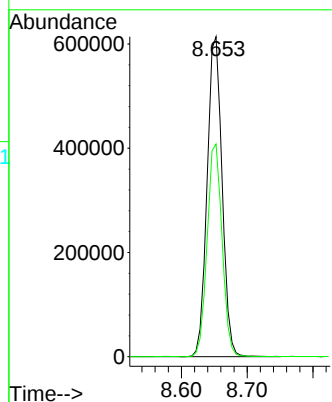
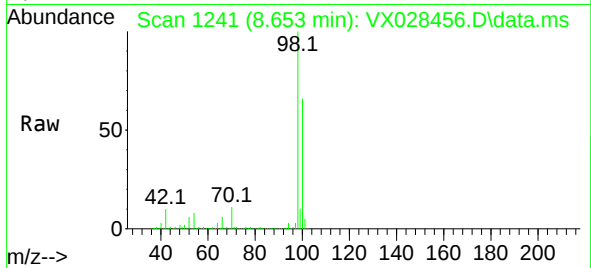




#50
Toluene-d8
Concen: 53.004 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028456.D
Acq: 30 Apr 2022 04:36

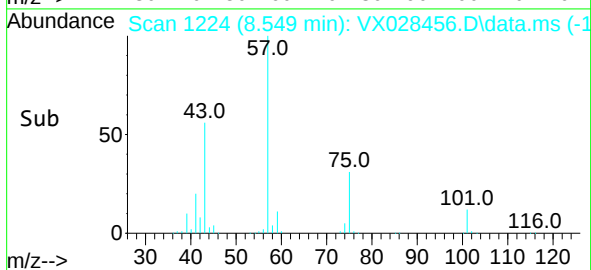
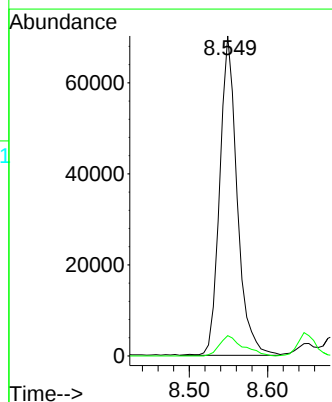
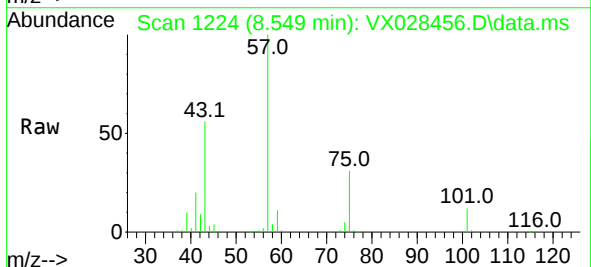
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#11

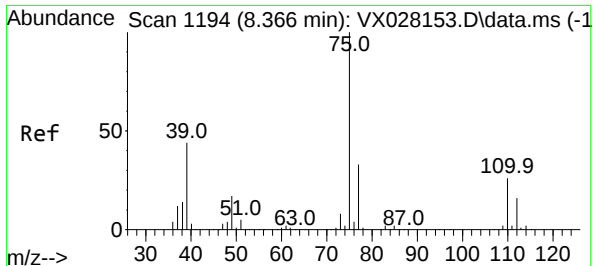
Tgt Ion: 98 Resp: 971864
Ion Ratio Lower Upper
98 100
100 66.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 16.519 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028456.D
Acq: 30 Apr 2022 04:36

Tgt Ion: 43 Resp: 109007
Ion Ratio Lower Upper
43 100
58 8.5 36.1 54.1#

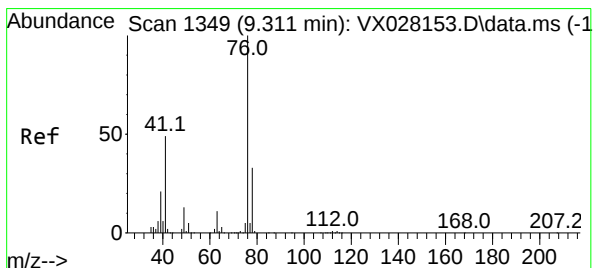
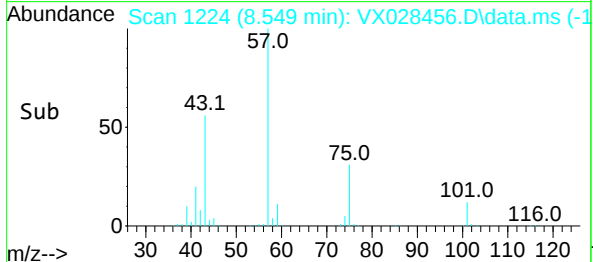
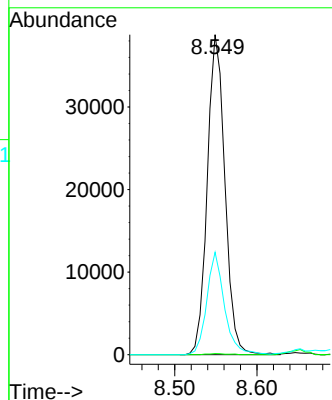
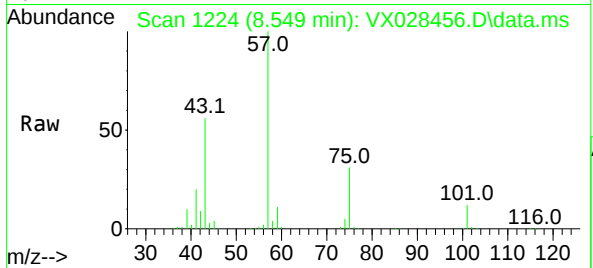




#54
 cis-1,3-Dichloropropene
 Concen: 7.529 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028456.D
 Acq: 30 Apr 2022 04:36

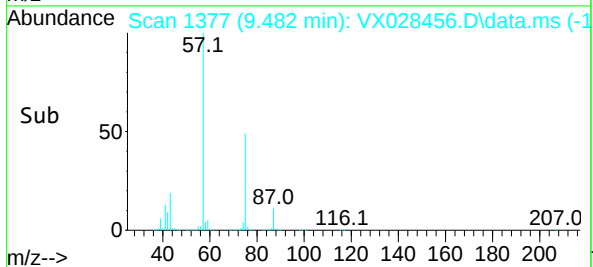
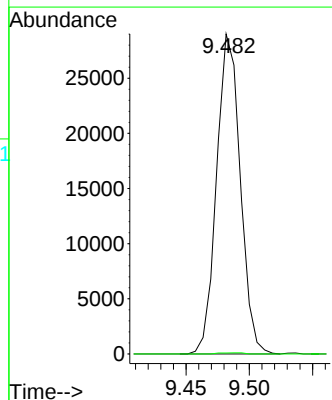
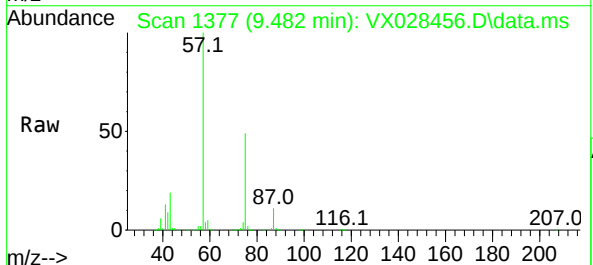
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#11

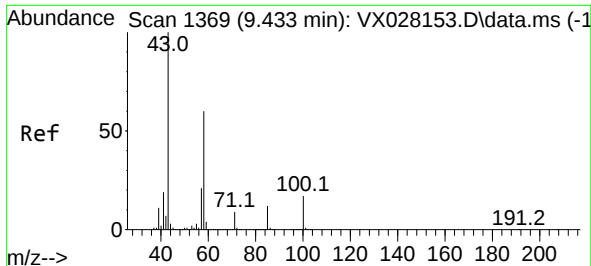
Tgt Ion: 75 Resp: 57802
 Ion Ratio Lower Upper
 75 100
 77 0.4 24.8 37.2#
 39 32.0 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 4.538 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028456.D
 Acq: 30 Apr 2022 04:36

Tgt Ion: 76 Resp: 37686
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.8 38.8#





#59

2-Hexanone

Concen: 83.590 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028456.D

Acq: 30 Apr 2022 04:36

Instrument :

MSVOA_X

ClientSampleId :

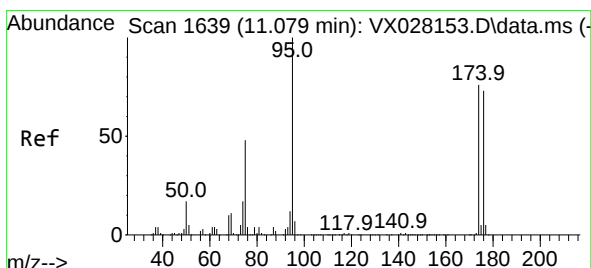
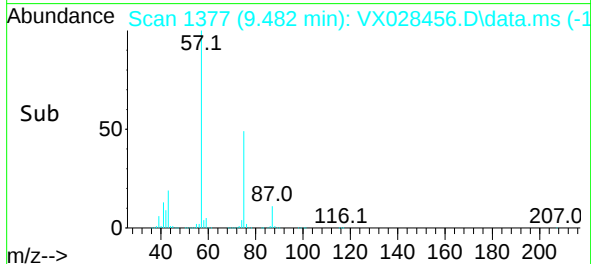
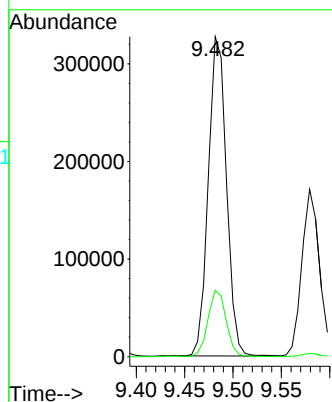
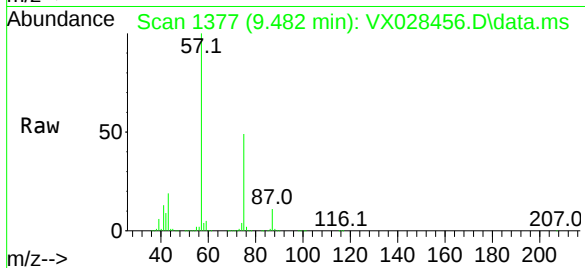
PB144452ZHE#11

Tgt Ion: 43 Resp: 427289

Ion Ratio Lower Upper

43 100

58 20.8 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 51.164 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX028456.D

Acq: 30 Apr 2022 04:36

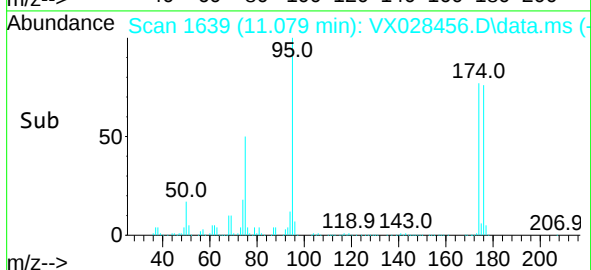
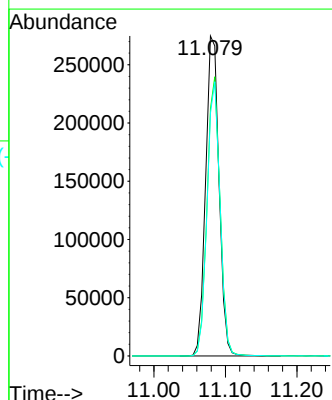
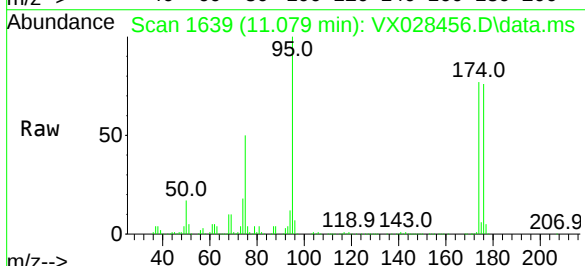
Tgt Ion: 95 Resp: 358702

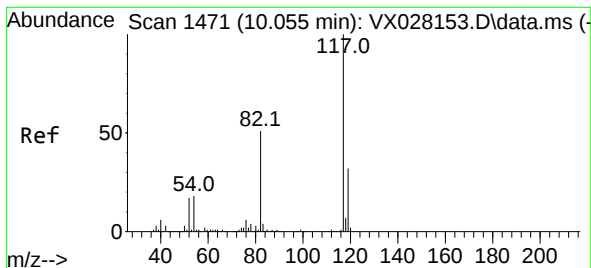
Ion Ratio Lower Upper

95 100

174 84.5 0.0 163.0

176 83.0 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: VX028456.D

Acq: 30 Apr 2022 04:36

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#11

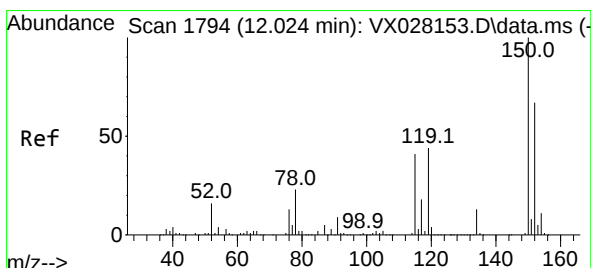
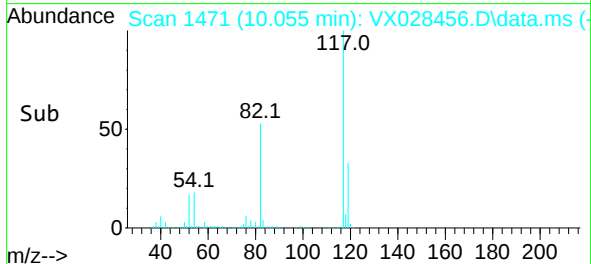
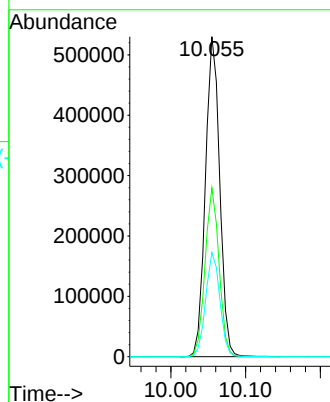
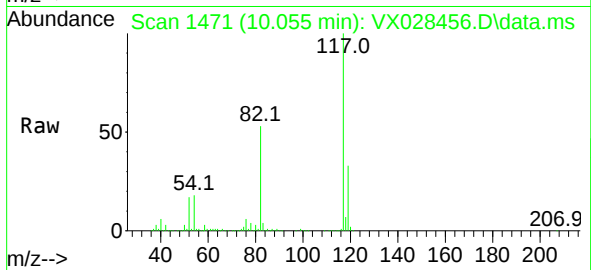
Tgt Ion:117 Resp: 704008

Ion Ratio Lower Upper

117 100

82 52.8 41.8 62.8

119 32.5 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: VX028456.D

Acq: 30 Apr 2022 04:36

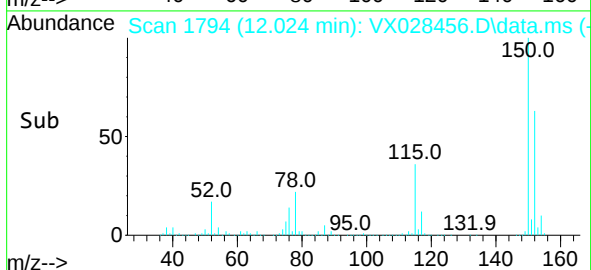
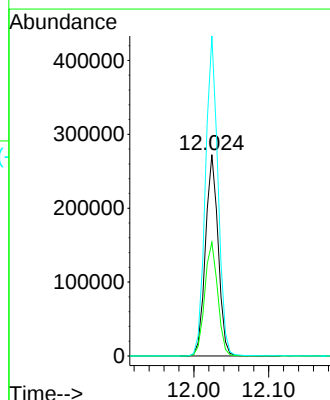
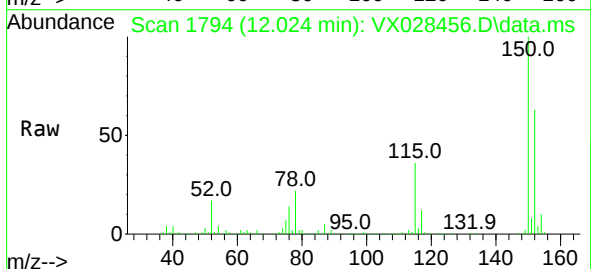
Tgt Ion:152 Resp: 320745

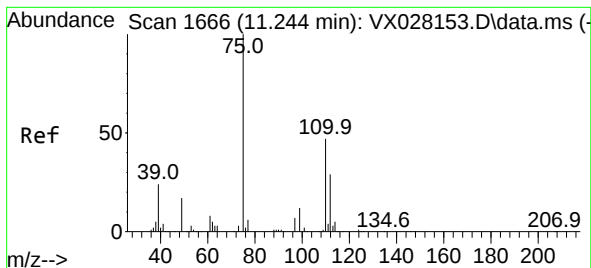
Ion Ratio Lower Upper

152 100

115 57.7 37.5 112.7

150 157.6 0.0 338.2





#76

1,2,3-Trichloropropane

Concen: 28.141 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.165 min

Lab File: VX028456.D

Acq: 30 Apr 2022 04:36

Instrument :

MSVOA_X

ClientSampleId :

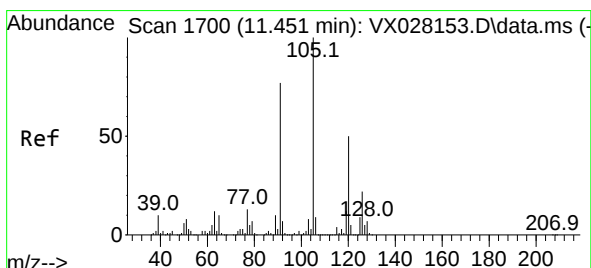
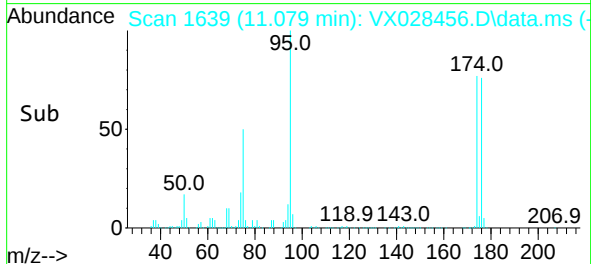
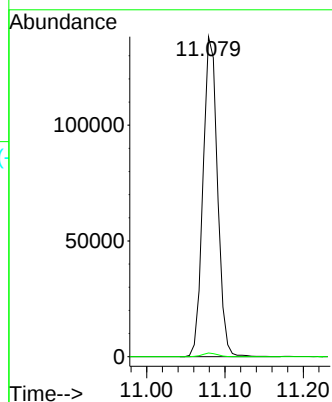
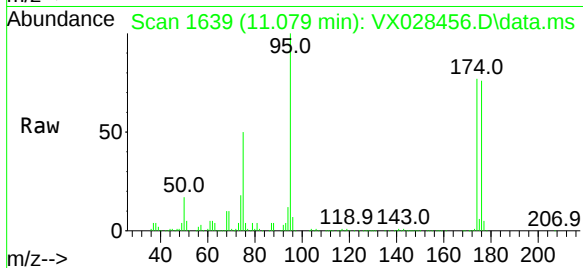
PB144452ZHE#11

Tgt Ion: 75 Resp: 177637

Ion Ratio Lower Upper

75 100

77 1.2 19.4 58.2#



#80

1,3,5-Trimethylbenzene

Concen: 0.206 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX028456.D

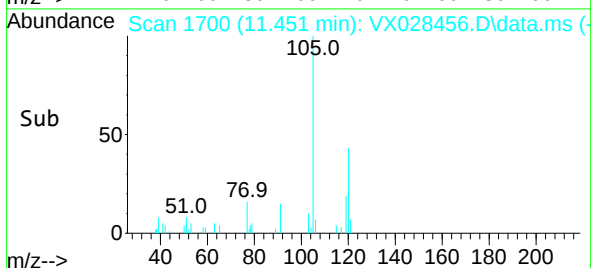
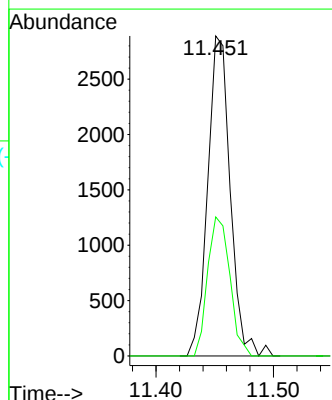
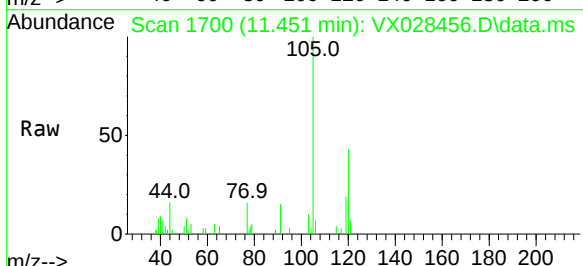
Acq: 30 Apr 2022 04:36

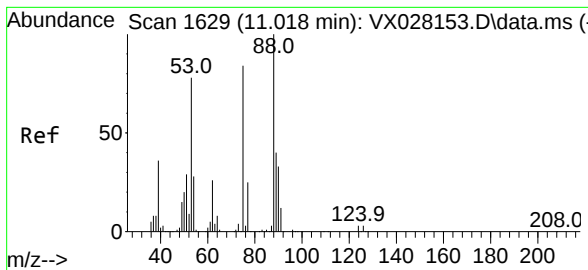
Tgt Ion: 105 Resp: 3848

Ion Ratio Lower Upper

105 100

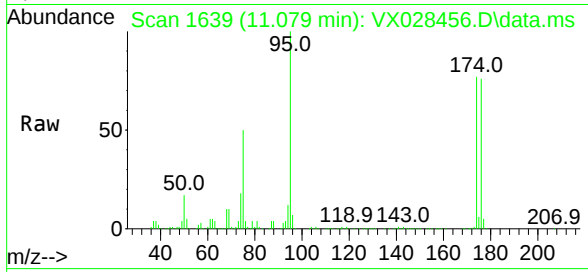
120 42.8 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.627 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028456.D
 Acq: 30 Apr 2022 04:36

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#11



Tgt Ion: 75 Resp: 177637
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

