

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028458.D
 Acq On : 30 Apr 2022 05:23
 Operator : JC/MD
 Sample : PB144452ZHE#13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#13

Quant Time: Apr 30 09:24:14 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

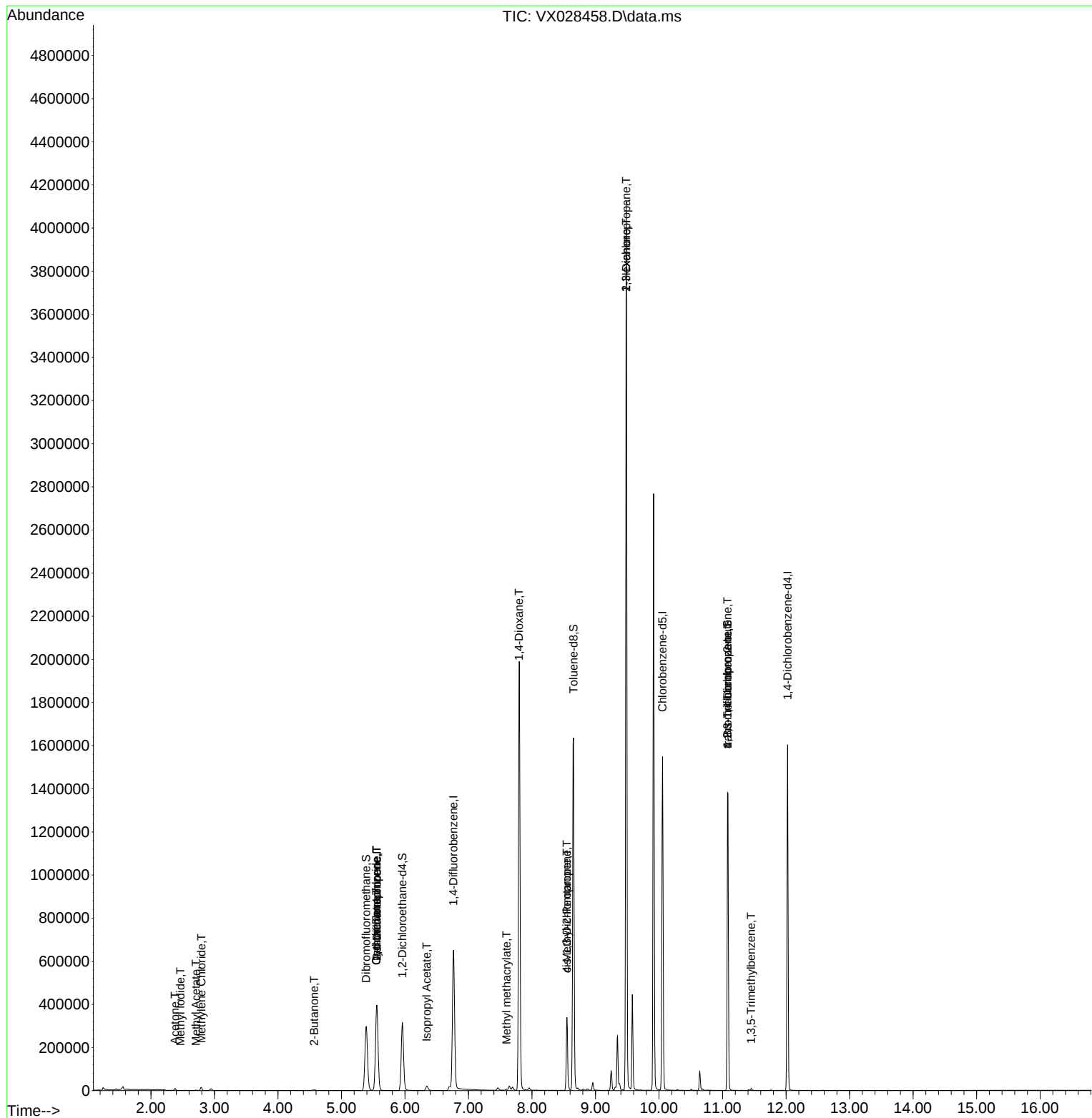
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	382384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	682569	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	714919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	333424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	289835	58.132	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	116.260%
35) Dibromofluoromethane	5.385	113	260914	54.507	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	109.020%
50) Toluene-d8	8.653	98	1000774	54.434	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	108.860%
62) 4-Bromofluorobenzene	11.079	95	370345	52.683	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	105.360%
Target Compounds						
						Qvalue
3) Chloromethane	1.288	50	328	Below Cal	#	81
5) Bromomethane	1.618	94	864	Below Cal	#	56
6) Chloroethane	1.660	64	180	Below Cal	#	43
8) Diethyl Ether	2.111	74	57	Below Cal	#	7
10) Methyl Iodide	2.465	142	196	5.276	ug/l #	86
11) Tert butyl alcohol	2.947	59	4464	Below Cal	#	74
16) Acetone	2.380	43	9565	4.912	ug/l	98
18) Methyl Acetate	2.709	43	2512	0.567	ug/l	94
20) Methylene Chloride	2.794	84	7122	1.925	ug/l #	86
25) 2-Butanone	4.568	43	3864	1.309	ug/l	92
31) Cyclohexane	5.550	56	7597	1.251	ug/l #	18
36) 1,1-Dichloropropene	5.556	75	28732	4.602	ug/l #	49
38) Carbon Tetrachloride	5.550	117	38268	5.429	ug/l #	15
43) Isopropyl Acetate	6.342	43	27628	2.679	ug/l	97
48) Methyl methacrylate	7.598	41	7829	1.654	ug/l #	7
49) 1,4-Dioxane	7.793	88	401	3.166	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	107974	16.318	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	57219	7.433	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	38267	4.595	ug/l #	43
59) 2-Hexanone	9.482	43	429646	83.824	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	183863	28.019	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	3938	0.202	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	183863	83.266	ug/l #	15

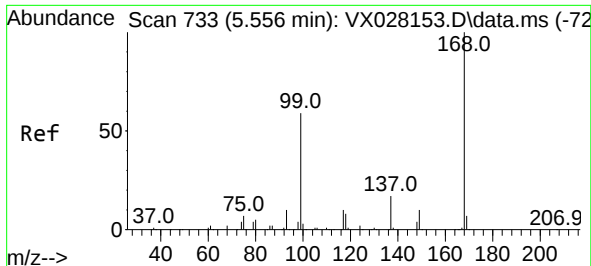
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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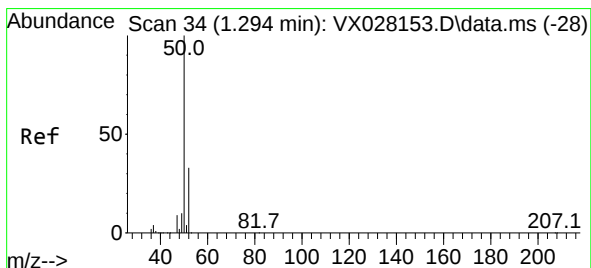
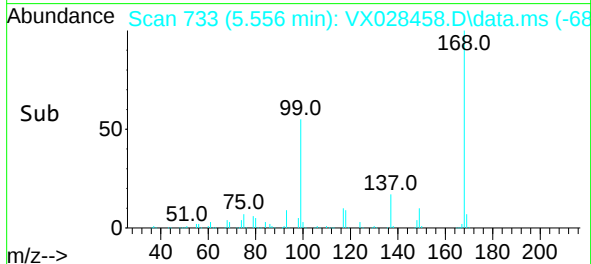
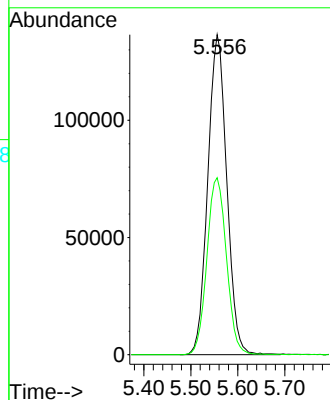
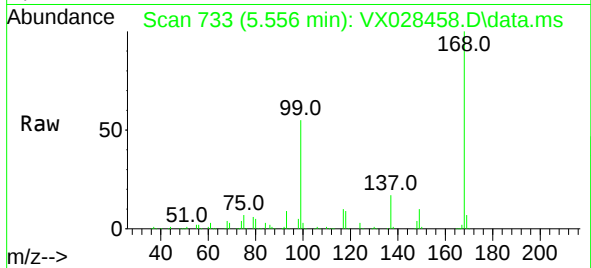




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028458.D
Acq: 30 Apr 2022 05:23

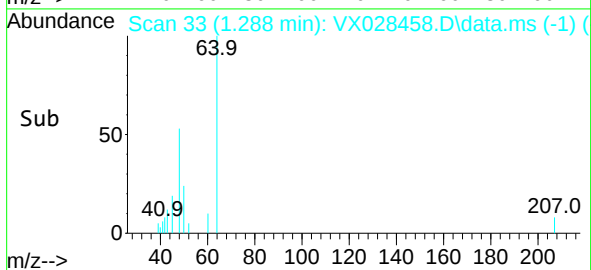
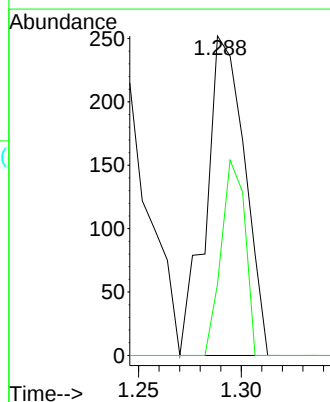
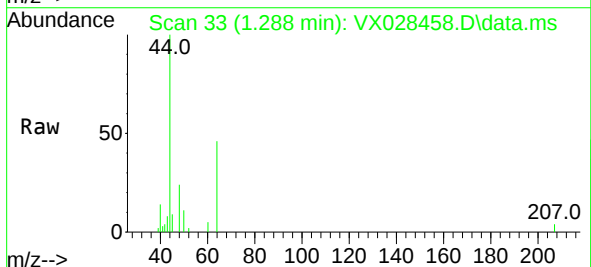
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#13

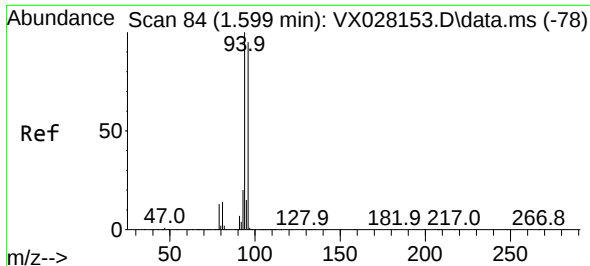
Tgt Ion:168 Resp: 382384
Ion Ratio Lower Upper
168 100
99 55.3 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028458.D
Acq: 30 Apr 2022 05:23

Tgt Ion: 50 Resp: 328
Ion Ratio Lower Upper
50 100
52 22.2 26.4 39.6#

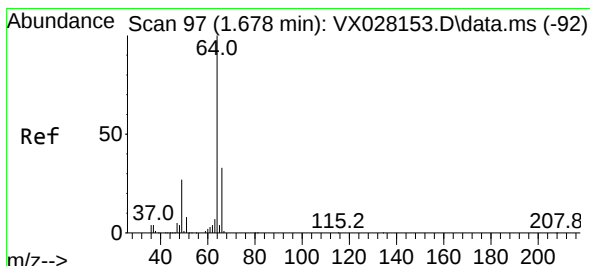
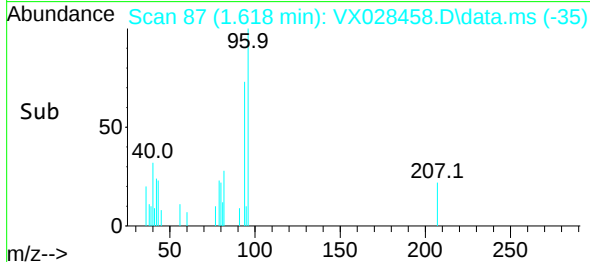
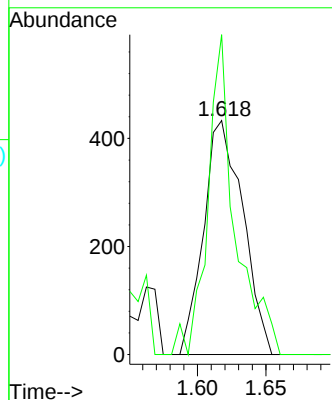
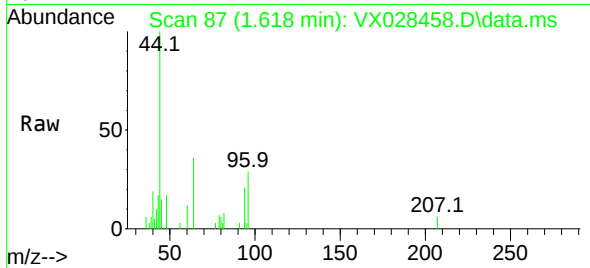




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028458.D
Acq: 30 Apr 2022 05:23

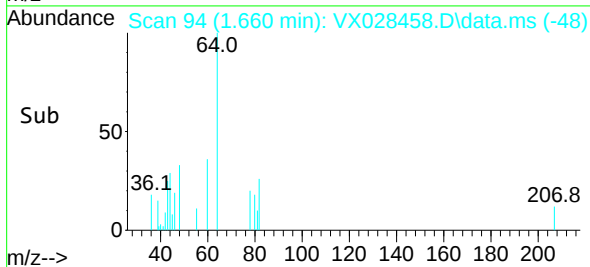
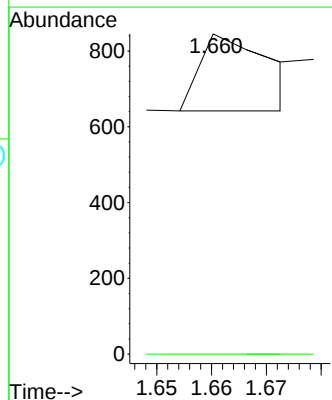
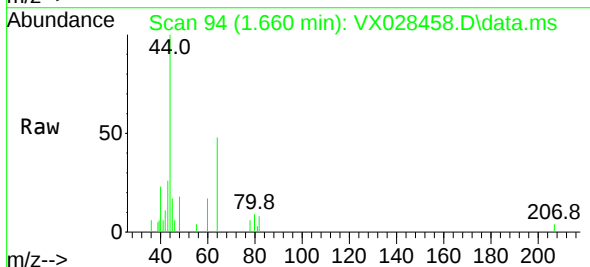
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#13

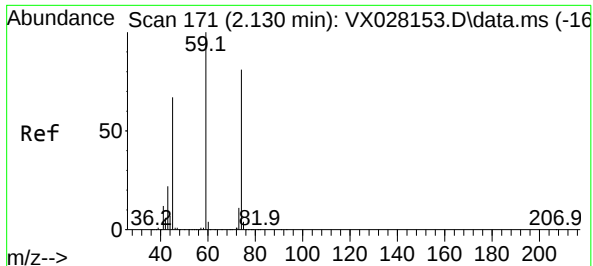
Tgt Ion: 94 Resp: 864
Ion Ratio Lower Upper
94 100
96 136.7 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX028458.D
Acq: 30 Apr 2022 05:23

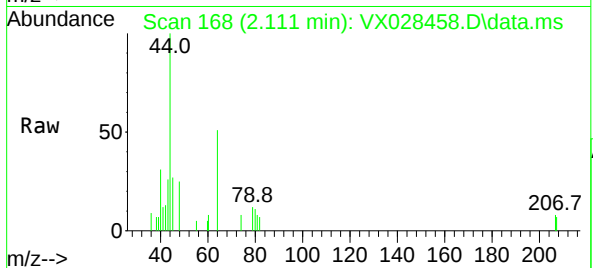
Tgt Ion: 64 Resp: 180
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



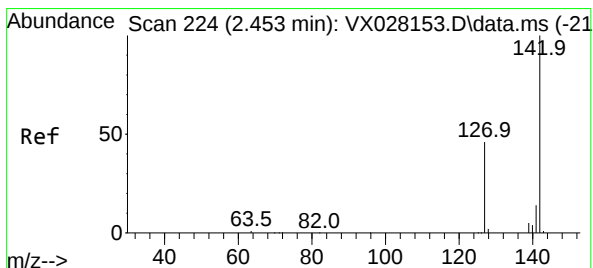
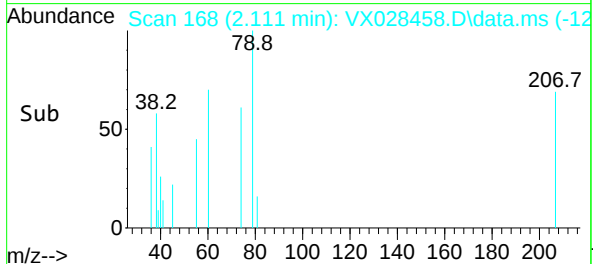
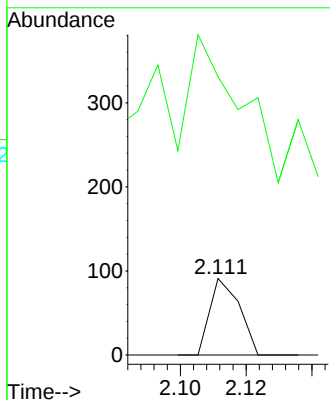


#8
Diethyl Ether
Concen: Below Cal
RT: 2.111 min Scan# 1
Delta R.T. -0.019 min
Lab File: VX028458.D
Acq: 30 Apr 2022 05:23

Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#13

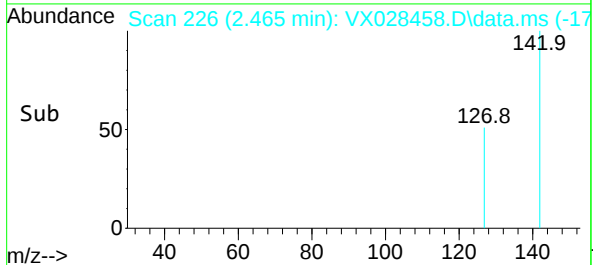
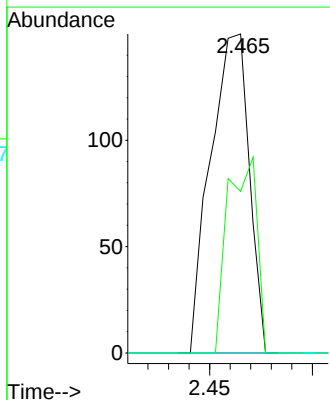
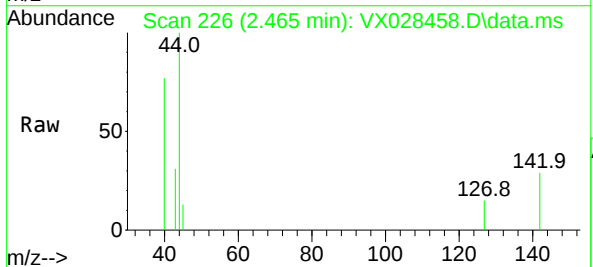


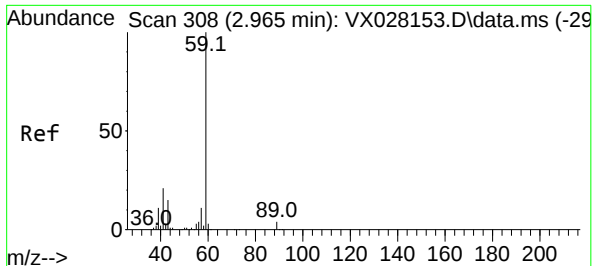
Tgt Ion: 74 Resp: 57
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.276 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028458.D
Acq: 30 Apr 2022 05:23

Tgt Ion: 142 Resp: 196
Ion Ratio Lower Upper
142 100
127 46.4 33.9 50.9
141 0.0 11.4 17.2#

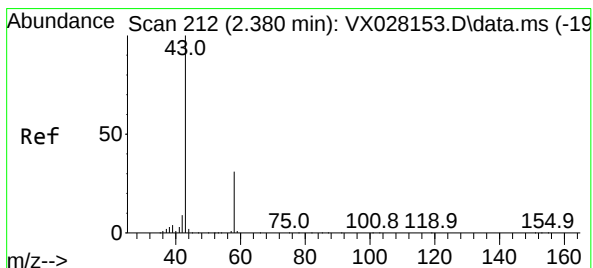
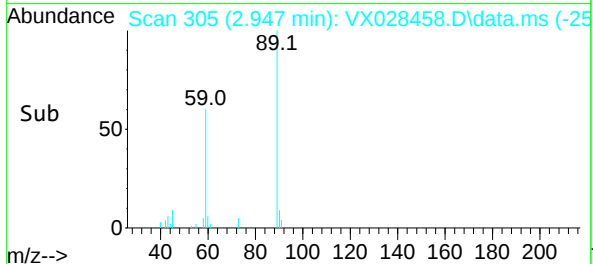
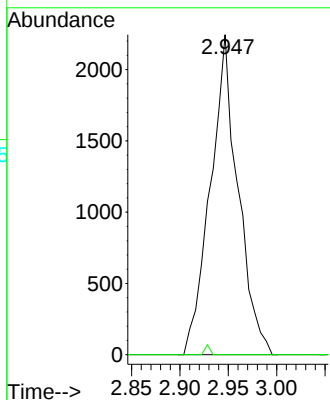
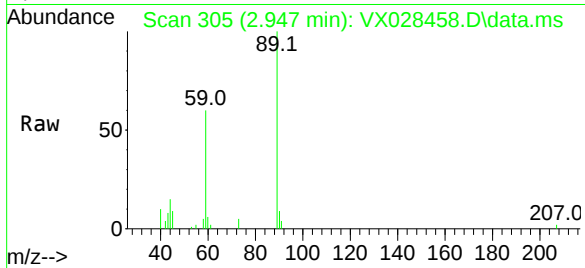




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX028458.D
Acq: 30 Apr 2022 05:23

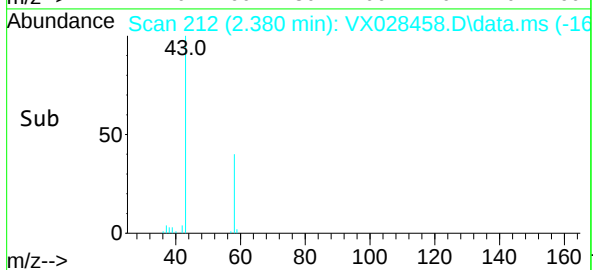
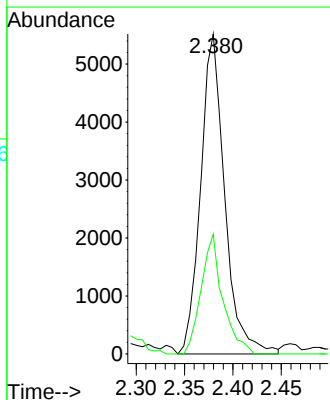
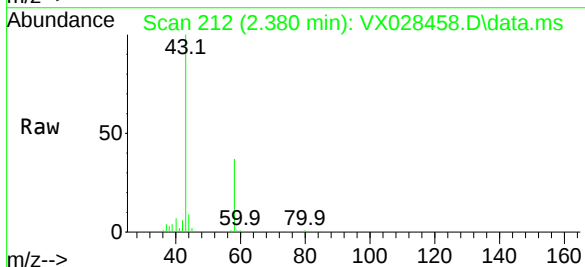
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#13

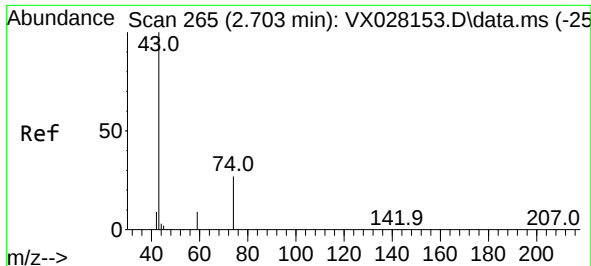
Tgt Ion: 59 Resp: 4464
Ion Ratio Lower Upper
59 100
57 0.6 8.3 12.5#



#16
Acetone
Concen: 4.912 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028458.D
Acq: 30 Apr 2022 05:23

Tgt Ion: 43 Resp: 9565
Ion Ratio Lower Upper
43 100
58 37.4 28.8 43.2

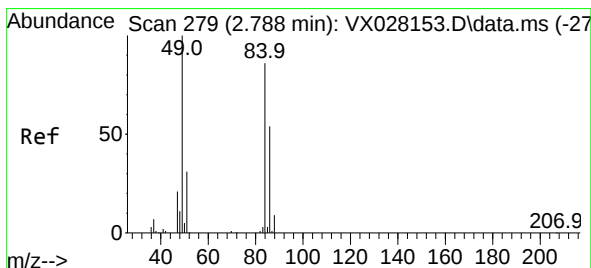
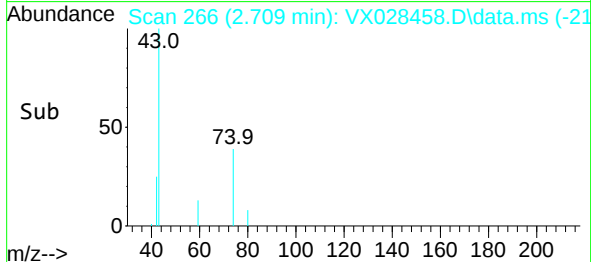
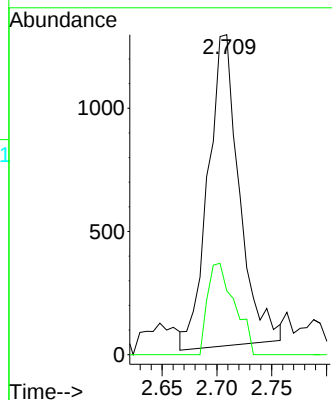
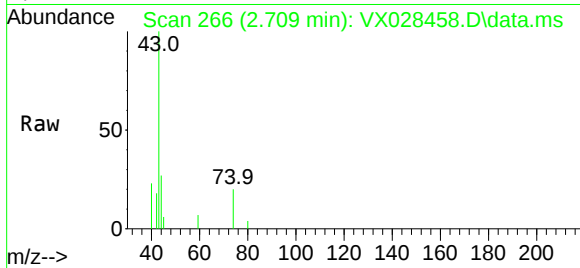




#18
Methyl Acetate
Concen: 0.567 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX028458.D
Acq: 30 Apr 2022 05:23

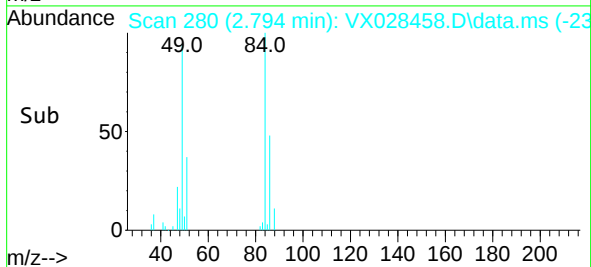
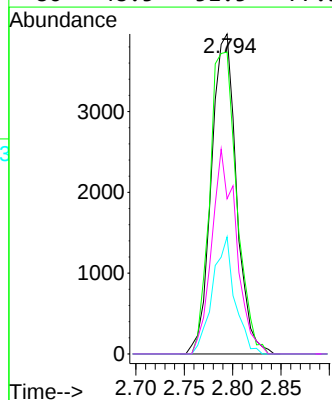
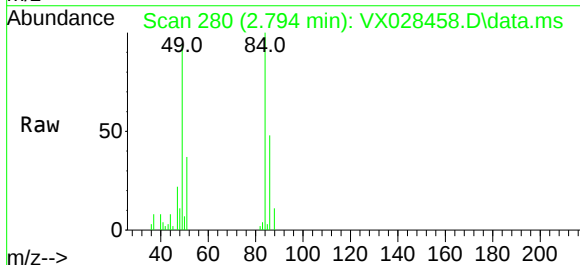
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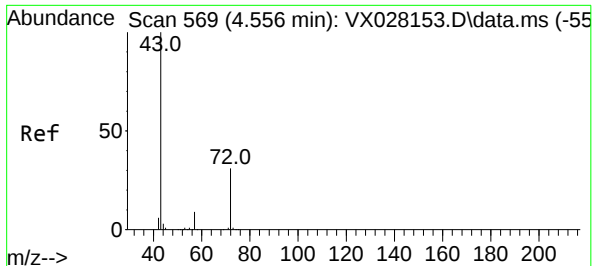
Tgt Ion: 43 Resp: 2512
Ion Ratio Lower Upper
43 100
74 25.2 22.8 34.2



#20
Methylene Chloride
Concen: 1.925 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX028458.D
Acq: 30 Apr 2022 05:23

Tgt Ion: 84 Resp: 7122
Ion Ratio Lower Upper
84 100
49 94.4 85.5 128.3
51 36.6 26.6 39.8
86 48.5 51.5 77.3#





#25

2-Butanone

Concen: 1.309 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX028458.D

Acq: 30 Apr 2022 05:23

Instrument :

MSVOA_X

ClientSampleId :

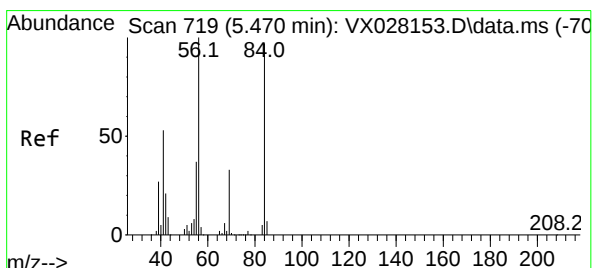
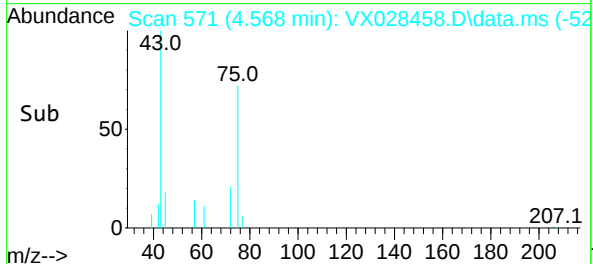
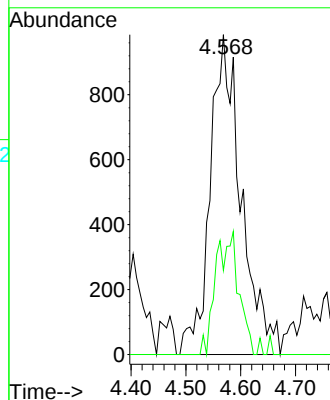
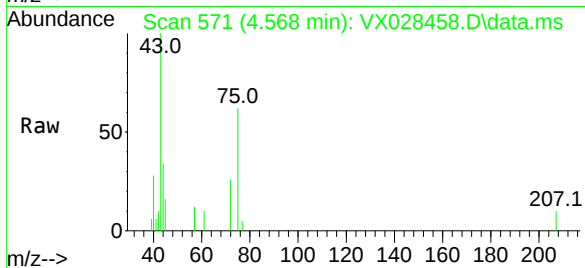
PB144452ZHE#13

Tgt Ion: 43 Resp: 3864

Ion Ratio Lower Upper

43 100

72 26.3 24.4 36.6



#31

Cyclohexane

Concen: 1.251 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX028458.D

Acq: 30 Apr 2022 05:23

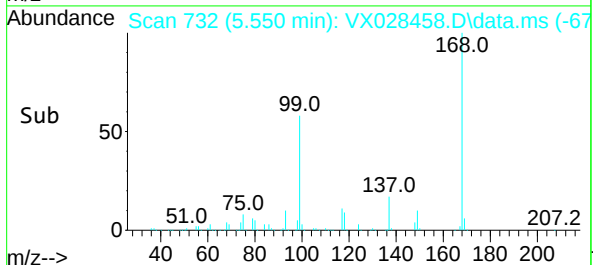
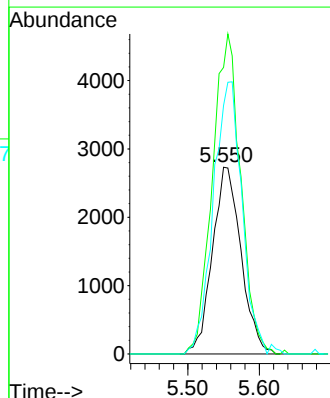
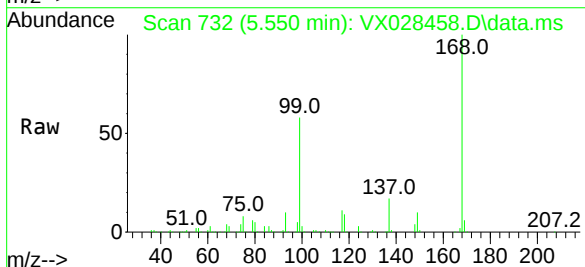
Tgt Ion: 56 Resp: 7597

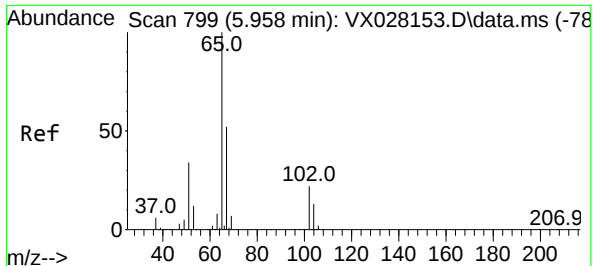
Ion Ratio Lower Upper

56 100

69 153.4 26.7 40.1#

84 133.0 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 58.132 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028458.D

Acq: 30 Apr 2022 05:23

Instrument :

MSVOA_X

ClientSampleId :

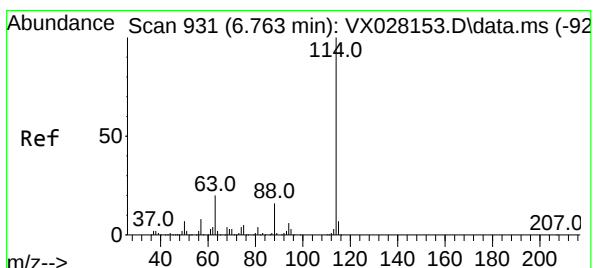
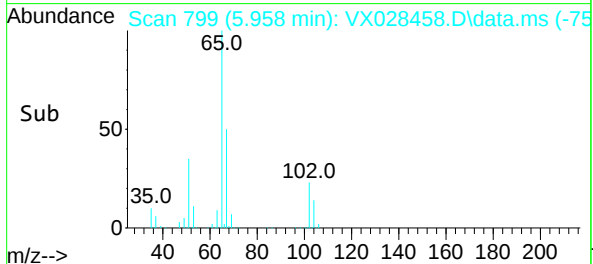
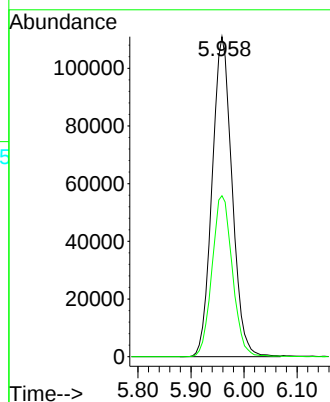
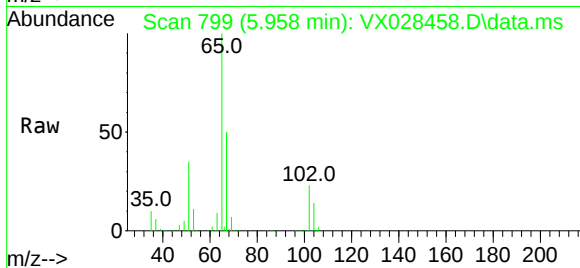
PB144452ZHE#13

Tgt Ion: 65 Resp: 289835

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: VX028458.D

Acq: 30 Apr 2022 05:23

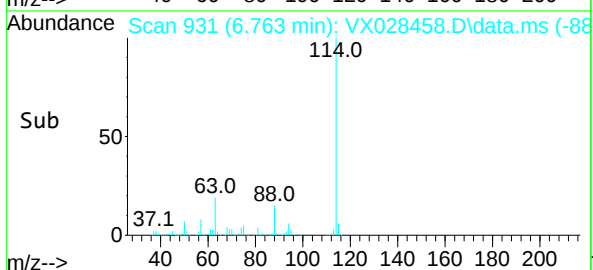
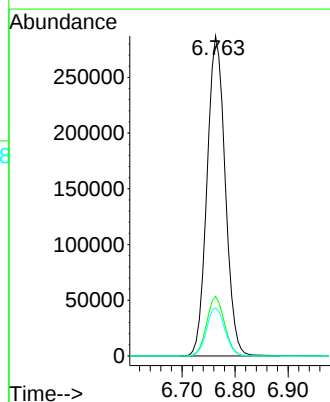
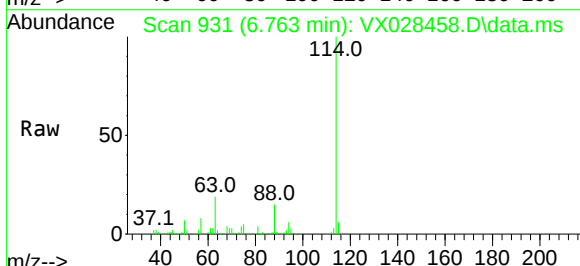
Tgt Ion: 114 Resp: 682569

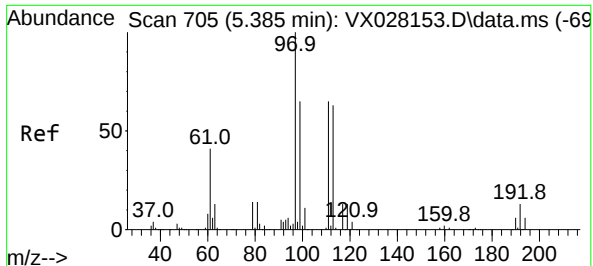
Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.8

88 15.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 54.507 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX028458.D

Acq: 30 Apr 2022 05:23

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#13

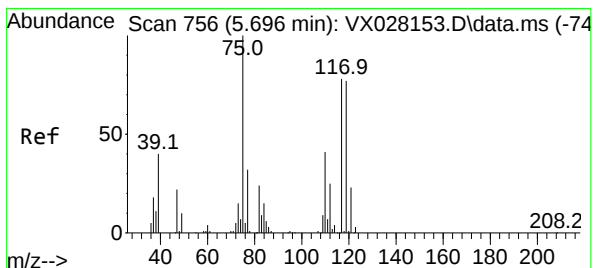
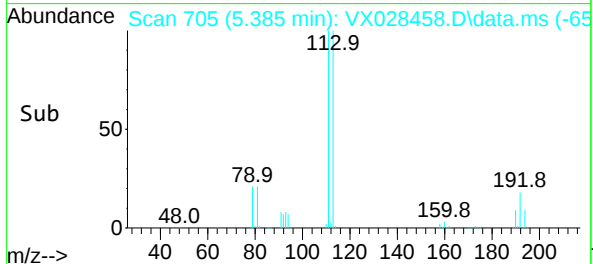
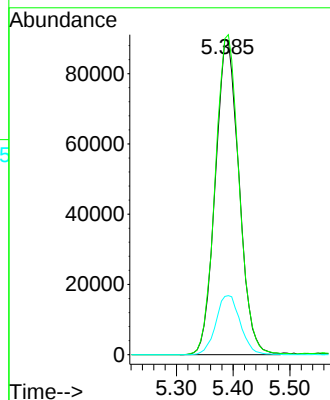
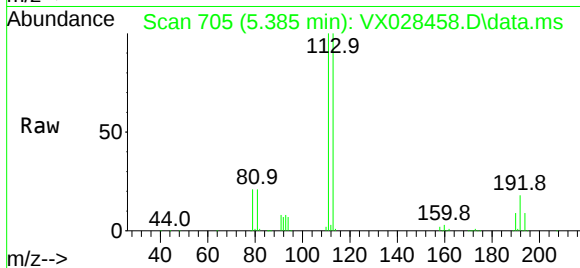
Tgt Ion:113 Resp: 260914

Ion Ratio Lower Upper

113 100

111 102.2 82.8 124.2

192 19.3 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.602 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX028458.D

Acq: 30 Apr 2022 05:23

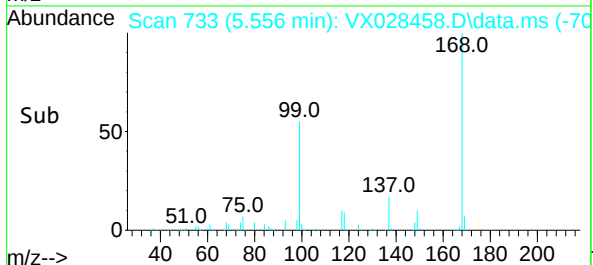
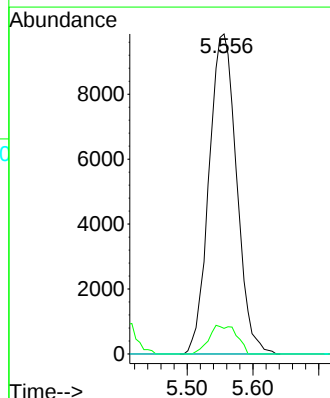
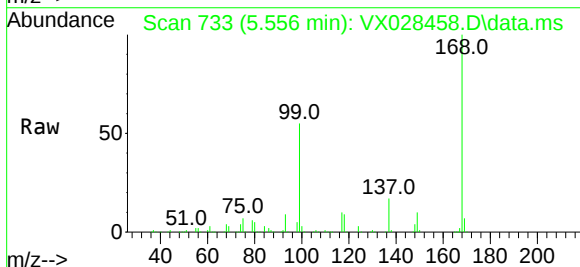
Tgt Ion: 75 Resp: 28732

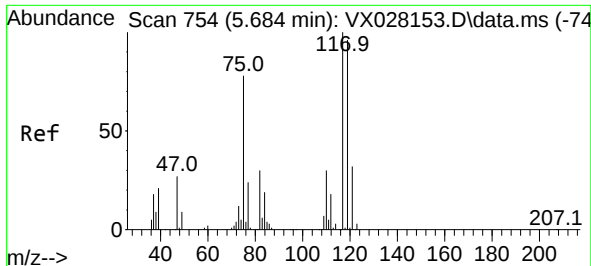
Ion Ratio Lower Upper

75 100

110 9.0 18.3 54.8#

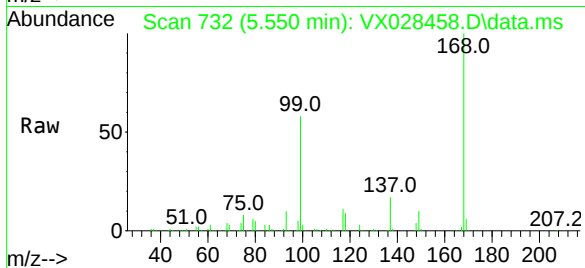
77 0.0 24.8 37.2#



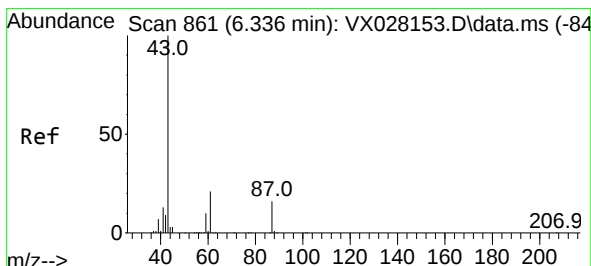
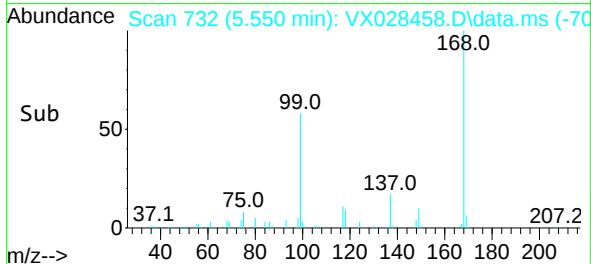
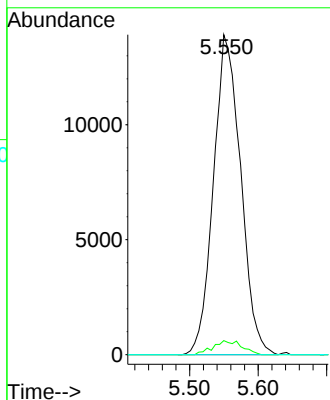


#38
Carbon Tetrachloride
Concen: 5.429 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX028458.D
Acq: 30 Apr 2022 05:23

Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#13

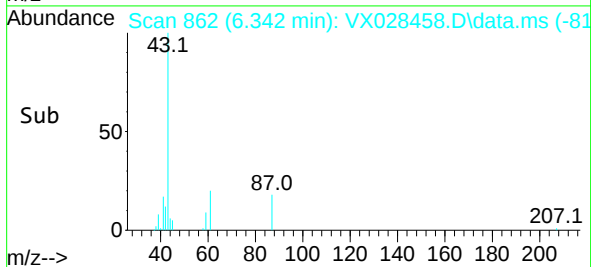
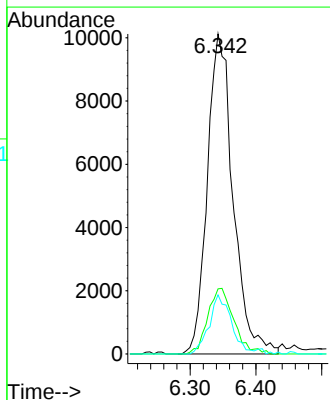
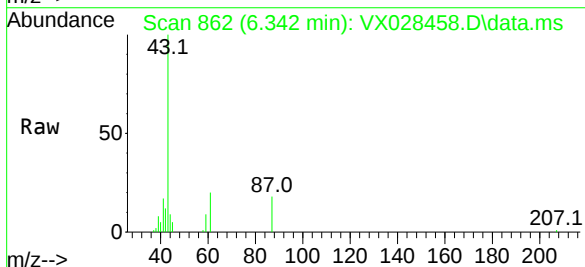


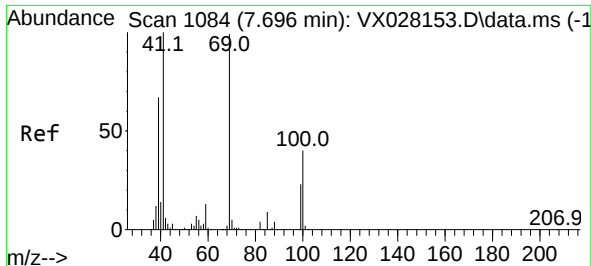
Tgt Ion: 117 Resp: 38268
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.679 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028458.D
Acq: 30 Apr 2022 05:23

Tgt Ion: 43 Resp: 27628
Ion Ratio Lower Upper
43 100
61 20.7 18.5 27.7
87 15.8 13.0 19.6

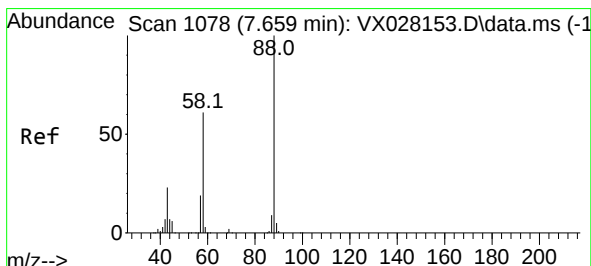
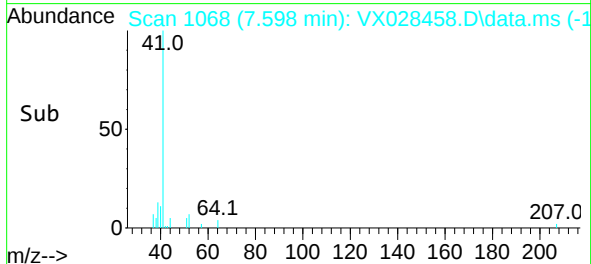
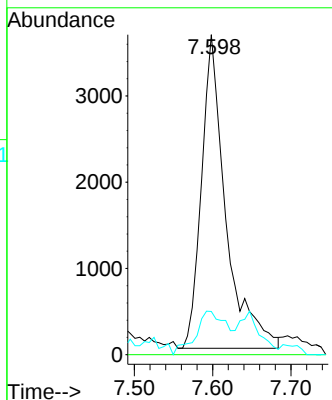
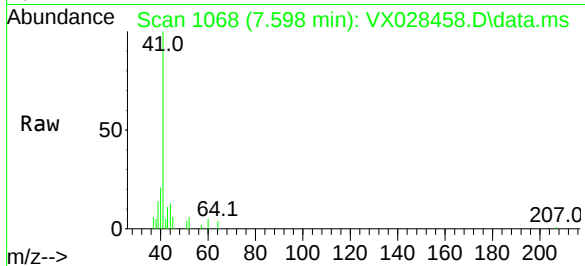




#48
Methyl methacrylate
Concen: 1.654 ug/l
RT: 7.598 min Scan# 1084
Delta R.T. -0.098 min
Lab File: VX028458.D
Acq: 30 Apr 2022 05:23

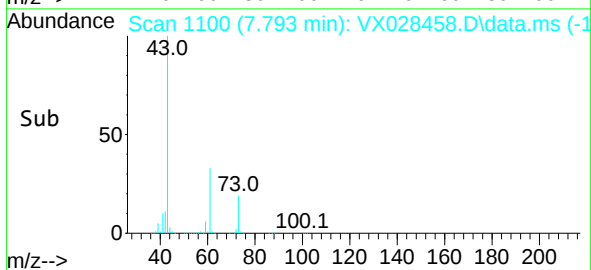
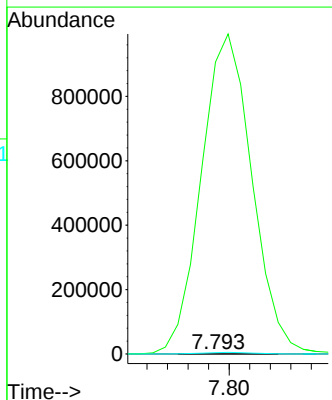
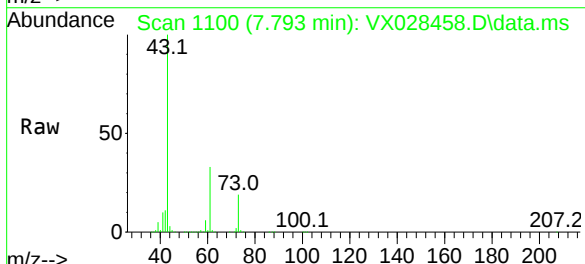
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#13

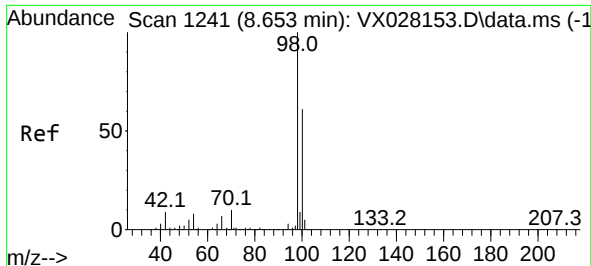
Tgt Ion: 41 Resp: 7829
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 3.166 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX028458.D
Acq: 30 Apr 2022 05:23

Tgt Ion: 88 Resp: 401
Ion Ratio Lower Upper
88 100
43 427599.3 21.9 32.9#
58 2040.6 53.7 80.5#

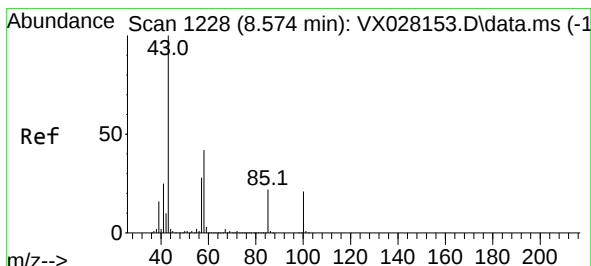
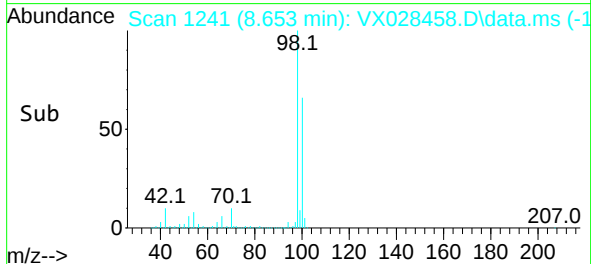
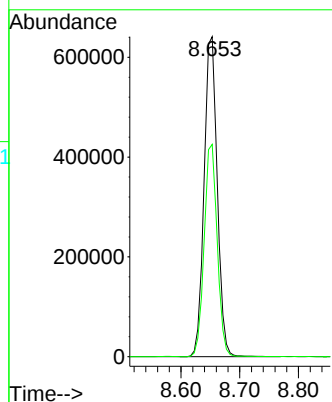
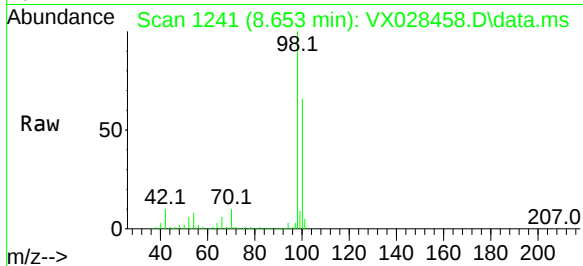




#50
Toluene-d8
Concen: 54.434 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028458.D
Acq: 30 Apr 2022 05:23

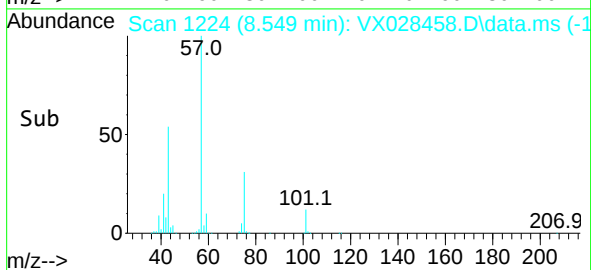
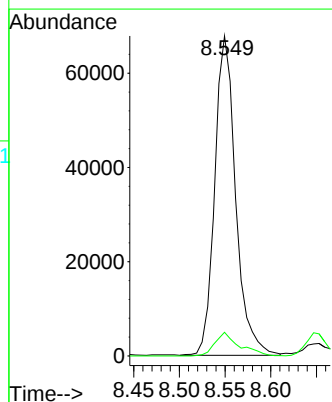
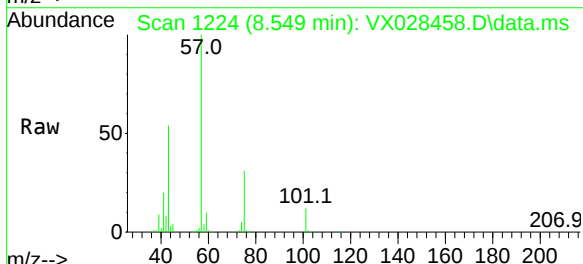
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#13

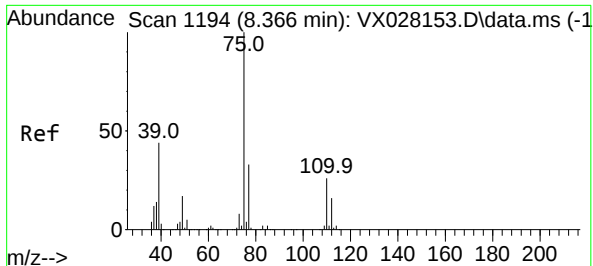
Tgt Ion: 98 Resp: 1000774
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 16.318 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028458.D
Acq: 30 Apr 2022 05:23

Tgt Ion: 43 Resp: 107974
Ion Ratio Lower Upper
43 100
58 8.7 36.1 54.1#

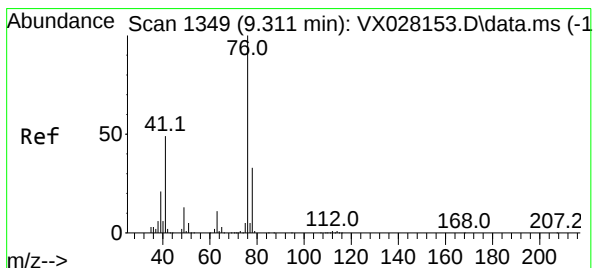
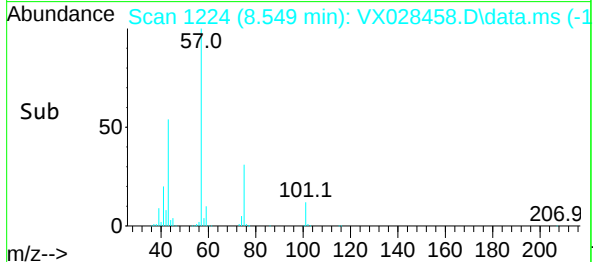
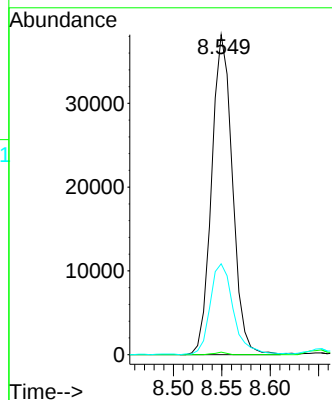
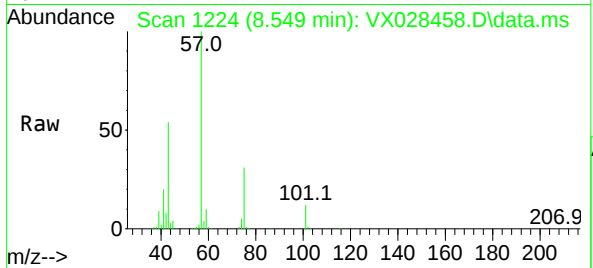




#54
 cis-1,3-Dichloropropene
 Concen: 7.433 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028458.D
 Acq: 30 Apr 2022 05:23

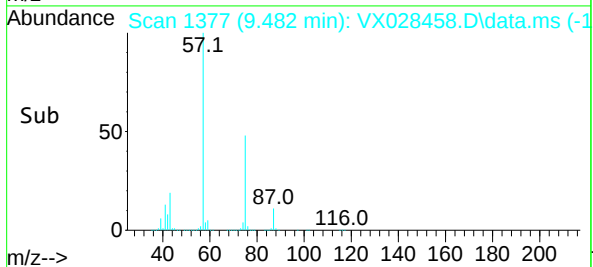
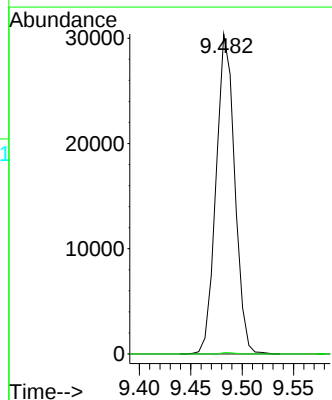
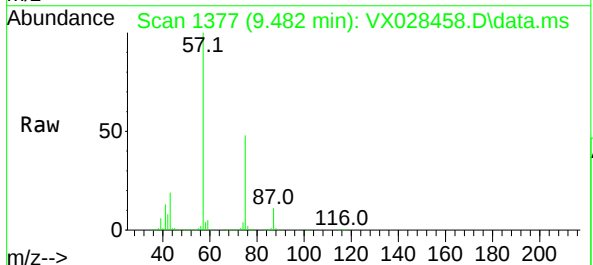
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#13

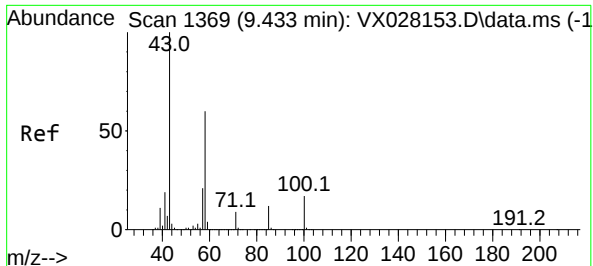
Tgt Ion: 75 Resp: 57219
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.8 37.2#
 39 28.4 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 4.595 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028458.D
 Acq: 30 Apr 2022 05:23

Tgt Ion: 76 Resp: 38267
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.8 38.8#

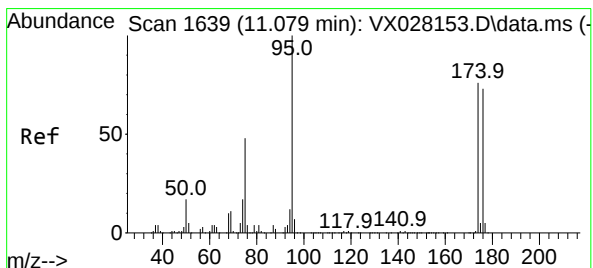
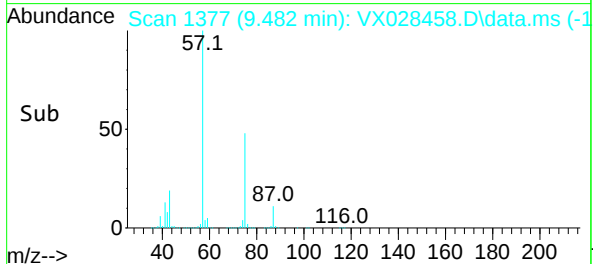
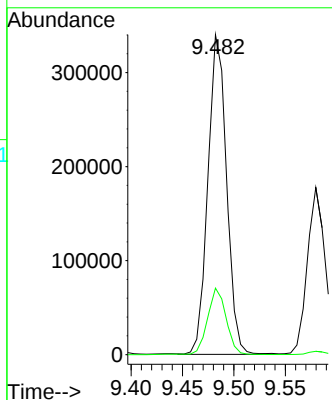
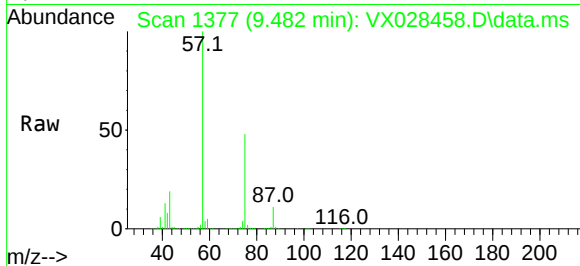




#59
2-Hexanone
Concen: 83.824 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX028458.D
Acq: 30 Apr 2022 05:23

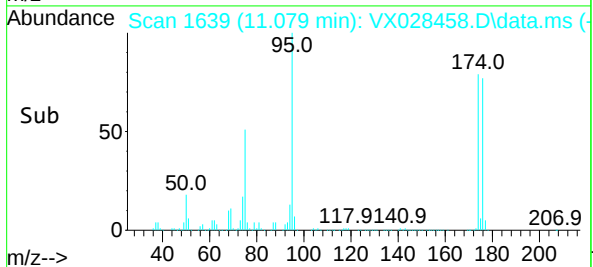
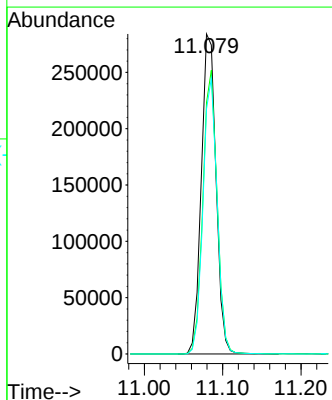
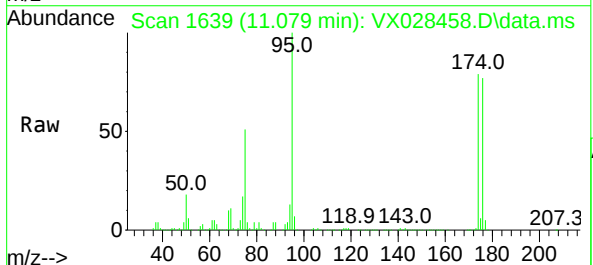
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#13

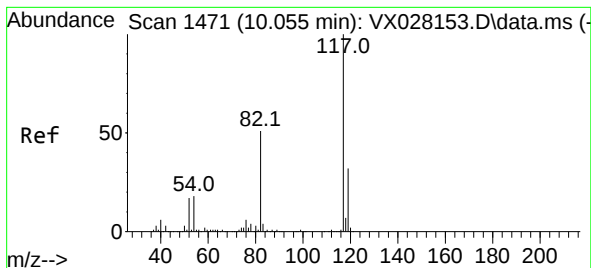
Tgt Ion: 43 Resp: 429646
Ion Ratio Lower Upper
43 100
58 20.6 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 52.683 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028458.D
Acq: 30 Apr 2022 05:23

Tgt Ion: 95 Resp: 370345
Ion Ratio Lower Upper
95 100
174 85.6 0.0 163.0
176 82.9 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: VX028458.D

Acq: 30 Apr 2022 05:23

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#13

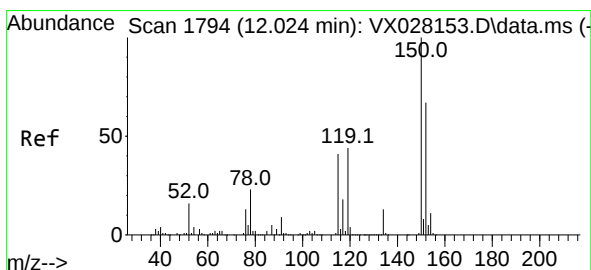
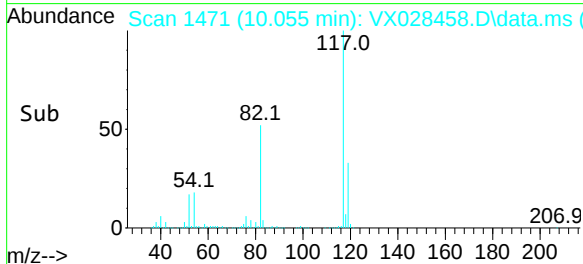
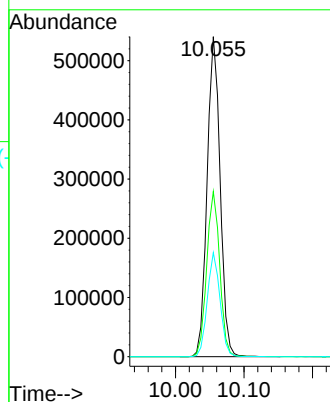
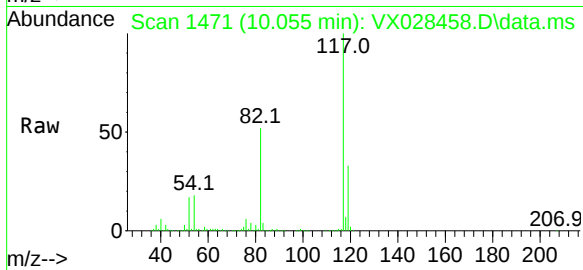
Tgt Ion:117 Resp: 714919

Ion Ratio Lower Upper

117 100

82 51.6 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: VX028458.D

Acq: 30 Apr 2022 05:23

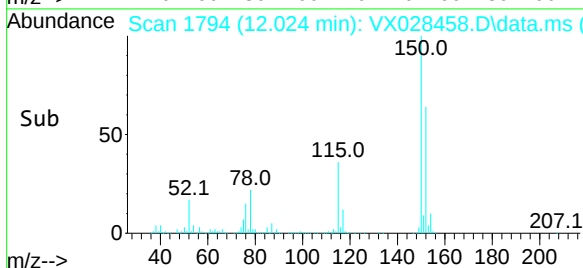
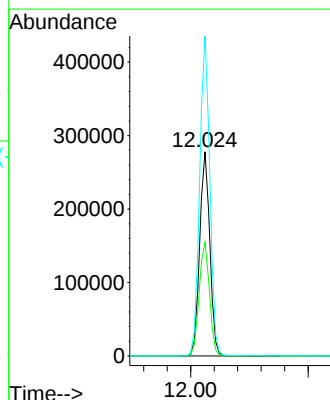
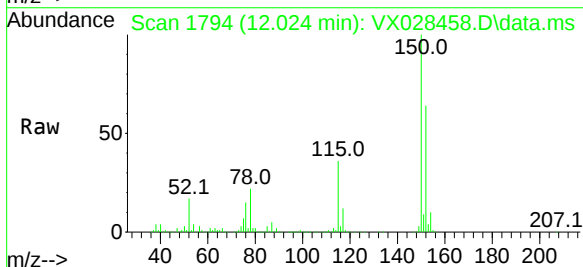
Tgt Ion:152 Resp: 333424

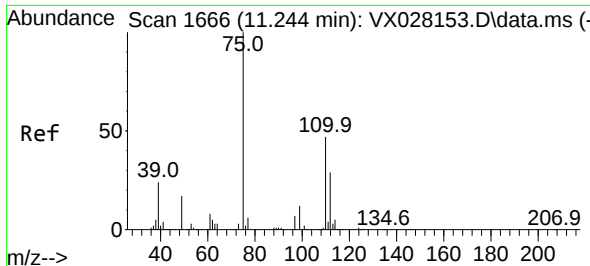
Ion Ratio Lower Upper

152 100

115 56.9 37.5 112.7

150 157.1 0.0 338.2

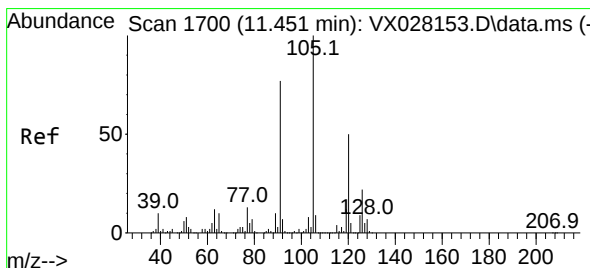
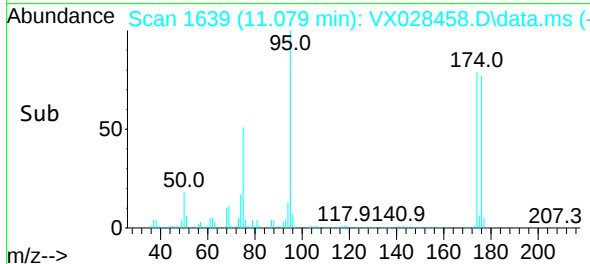
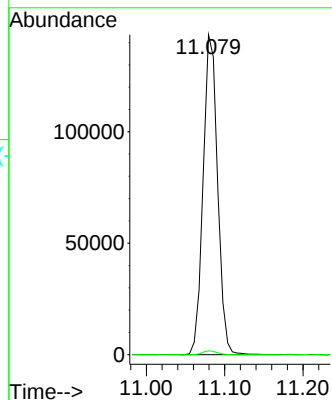
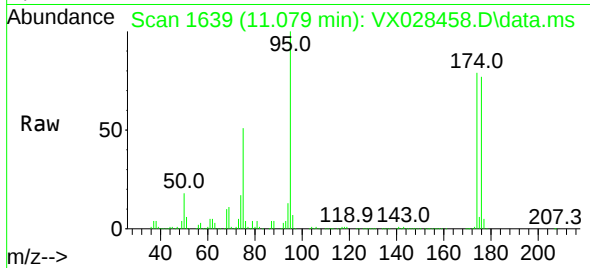




#76
1,2,3-Trichloropropane
Concen: 28.019 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.165 min
Lab File: VX028458.D
Acq: 30 Apr 2022 05:23

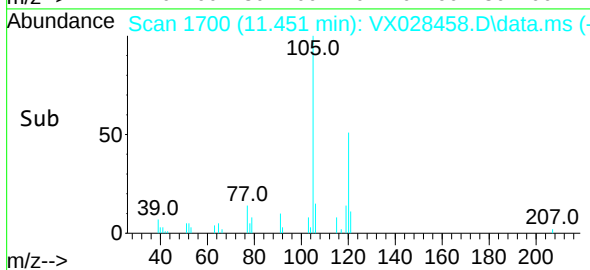
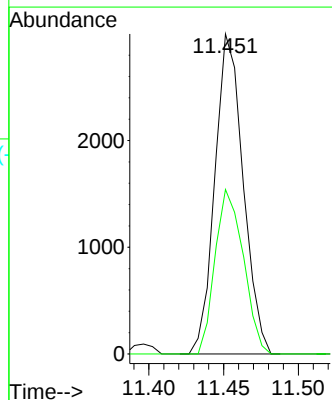
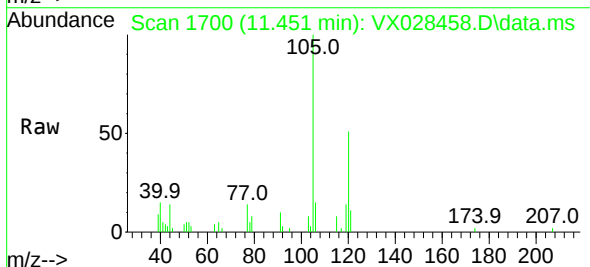
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#13

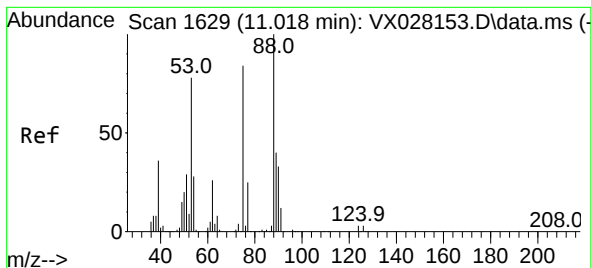
Tgt Ion: 75 Resp: 183863
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.202 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX028458.D
Acq: 30 Apr 2022 05:23

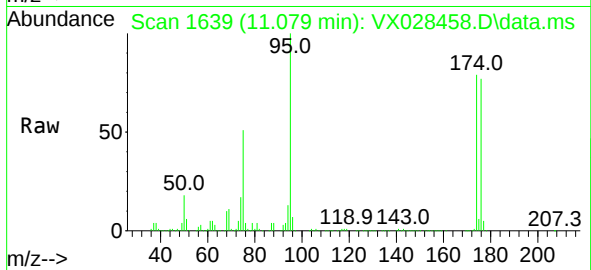
Tgt Ion:105 Resp: 3938
Ion Ratio Lower Upper
105 100
120 51.3 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.266 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028458.D
 Acq: 30 Apr 2022 05:23

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#13



Tgt Ion: 75 Resp: 183863
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

