

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050622\
 Data File : VX028551.D
 Acq On : 06 May 2022 15:45
 Operator : JC/MD
 Sample : PB144610ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144610ZHE#08

Quant Time: May 07 06:03:10 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)

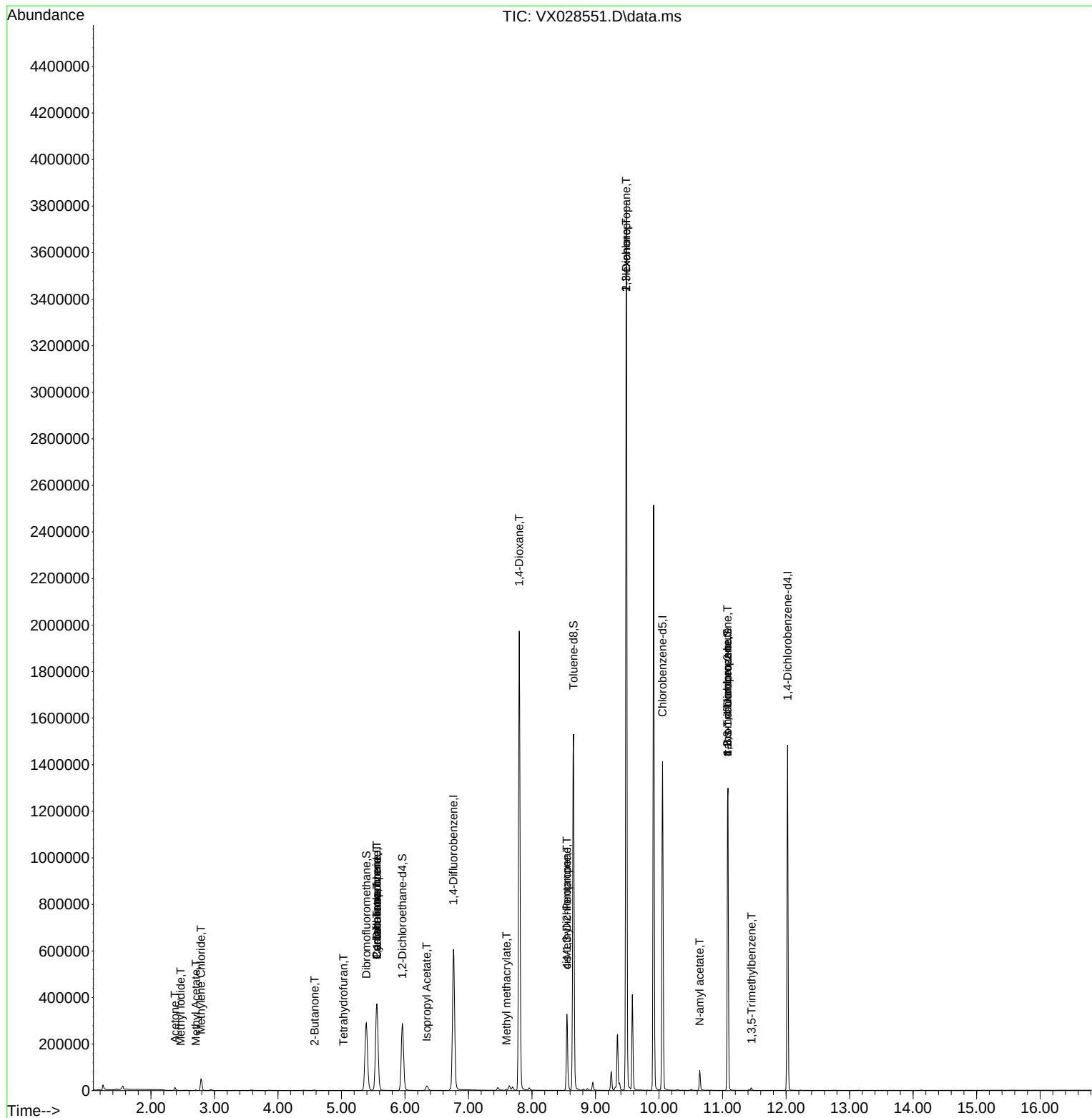
Internal Standards						
1) Pentafluorobenzene	5.556	168	368877	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	640016	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	652264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	301789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	270826	56.308	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 112.620%	
35) Dibromofluoromethane	5.391	113	251483	56.030	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 112.060%	
50) Toluene-d8	8.653	98	926785	53.761	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 107.520%	
62) 4-Bromofluorobenzene	11.079	95	337779	51.245	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 102.480%	
Target Compounds						Qvalue
3) Chloromethane	1.288	50	439	Below Cal	#	86
5) Bromomethane	1.618	94	918	Below Cal		98
6) Chloroethane	1.691	64	236	Below Cal	#	83
8) Diethyl Ether	2.148	74	41	Below Cal	#	1
10) Methyl Iodide	2.465	142	314	5.303	ug/l #	88
11) Tert butyl alcohol	2.941	59	2569	Below Cal	#	72
16) Acetone	2.380	43	12841	7.386	ug/l	94
18) Methyl Acetate	2.709	43	2348	0.549	ug/l	95
20) Methylene Chloride	2.788	84	23875	6.690	ug/l	98
25) 2-Butanone	4.574	43	2270	0.797	ug/l	94
29) Tetrahydrofuran	5.032	42	713	0.384	ug/l #	54
31) Cyclohexane	5.556	56	6930	1.183	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	26479	4.523	ug/l #	50
38) Carbon Tetrachloride	5.556	117	36984	5.596	ug/l #	16
43) Isopropyl Acetate	6.342	43	28400	2.937	ug/l	96
48) Methyl methacrylate	7.598	41	8008	1.804	ug/l #	7
49) 1,4-Dioxane	7.799	88	416	3.503	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	103311	16.651	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	54047	7.488	ug/l #	71
57) 1,3-Dichloropropane	9.482	76	37774	4.838	ug/l #	43
59) 2-Hexanone	9.482	43	415602	86.476	ug/l #	45
74) N-amyl acetate	10.640	43	18433	2.571	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	170670	28.735	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	5153	0.293	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	170670	85.393	ug/l #	15

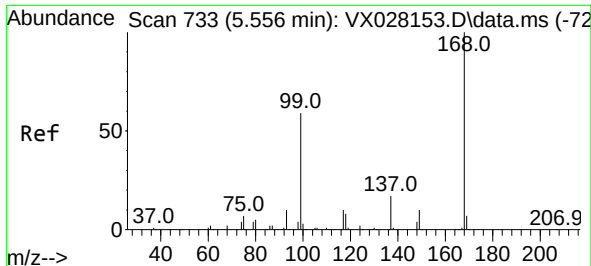
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: May 07 06:03:10 2022
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Response via : Initial Calibration

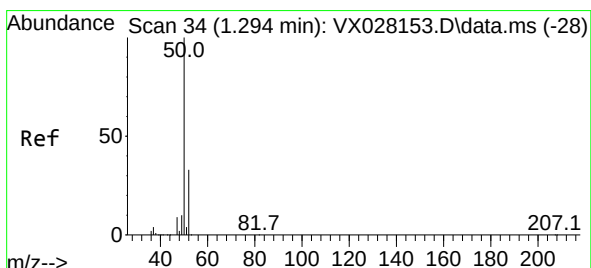
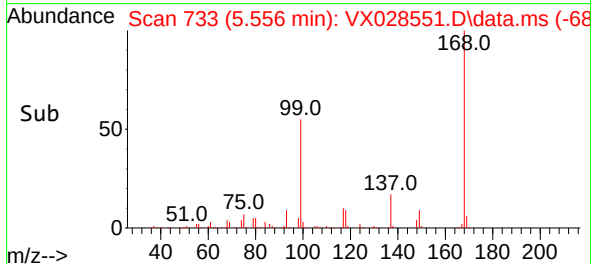
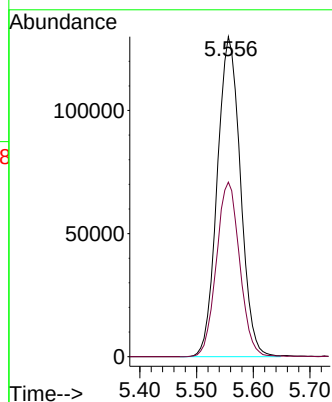
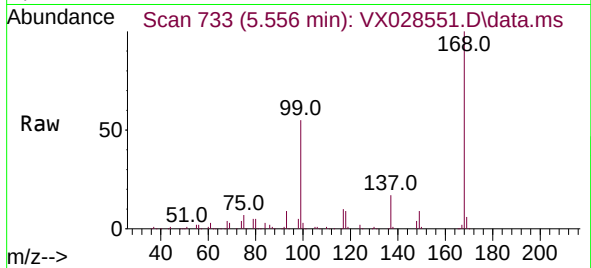




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028551.D
Acq: 06 May 2022 15:45

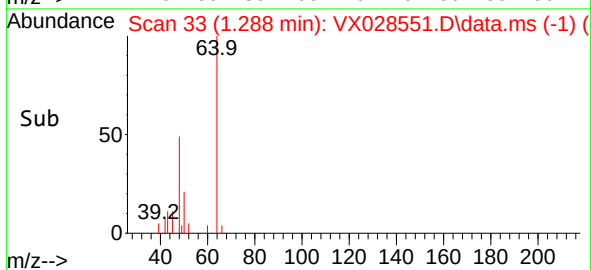
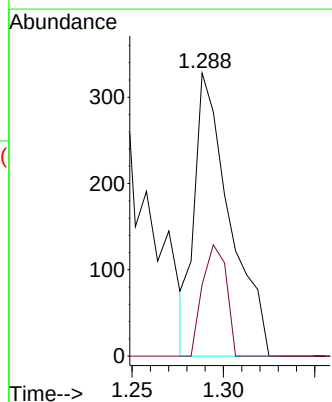
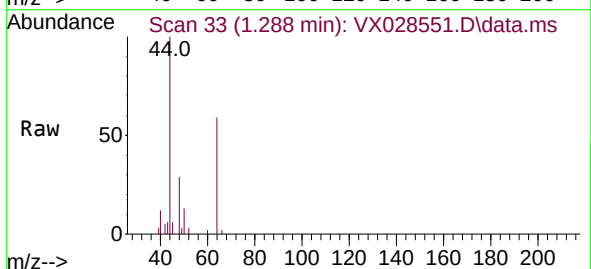
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#08

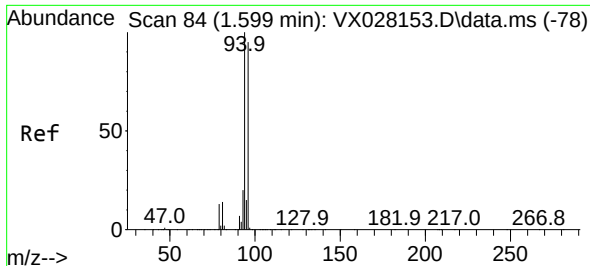
Tgt Ion:168 Resp: 368877
Ion Ratio Lower Upper
168 100
99 54.5 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028551.D
Acq: 06 May 2022 15:45

Tgt Ion: 50 Resp: 439
Ion Ratio Lower Upper
50 100
52 25.3 26.4 39.6#

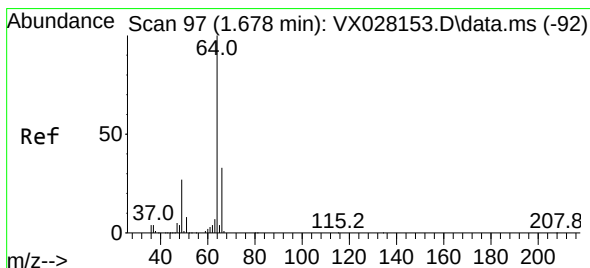
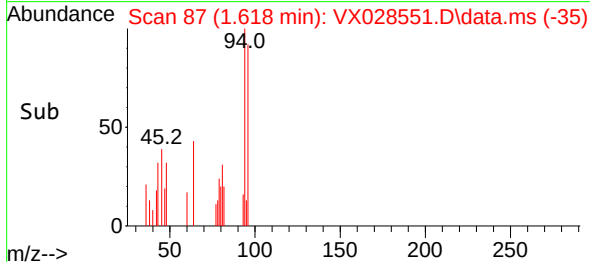
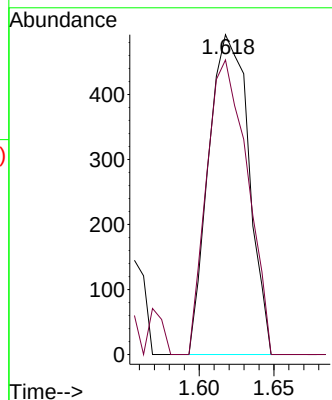
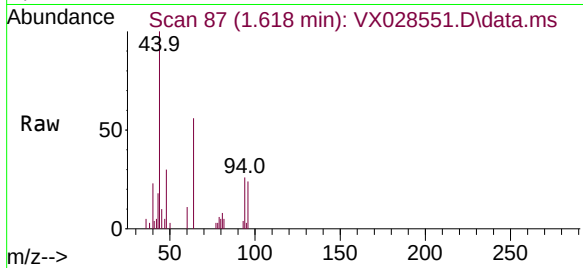




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028551.D
Acq: 06 May 2022 15:45

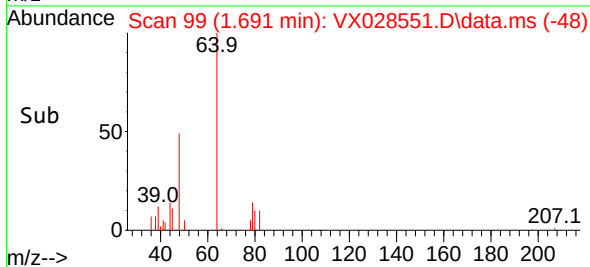
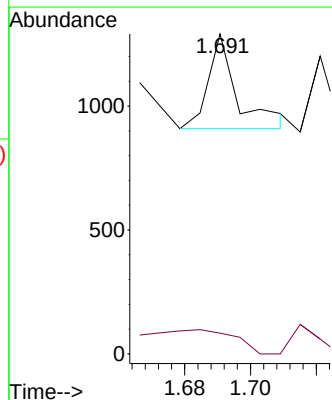
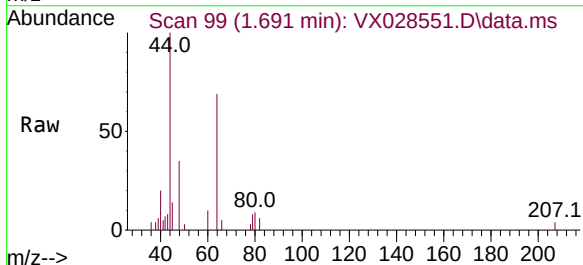
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#08

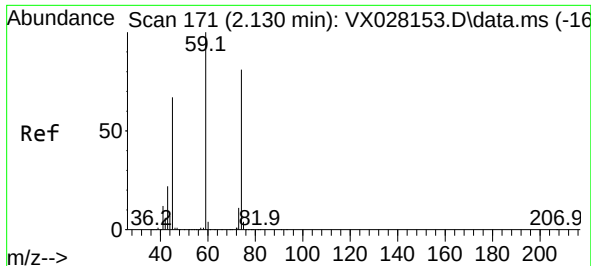
Tgt Ion: 94 Resp: 918
Ion Ratio Lower Upper
94 100
96 92.1 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX028551.D
Acq: 06 May 2022 15:45

Tgt Ion: 64 Resp: 236
Ion Ratio Lower Upper
64 100
66 22.0 25.3 37.9#

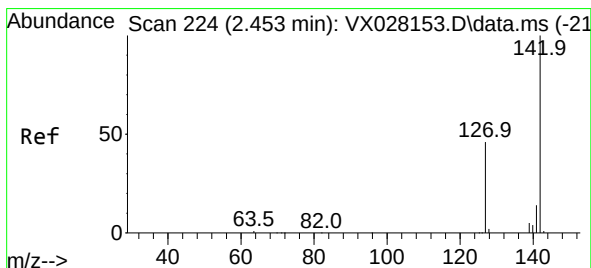
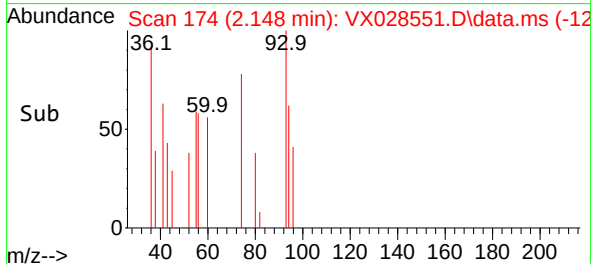
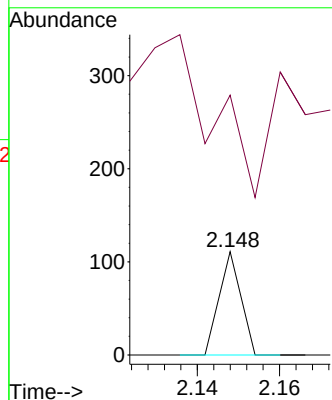
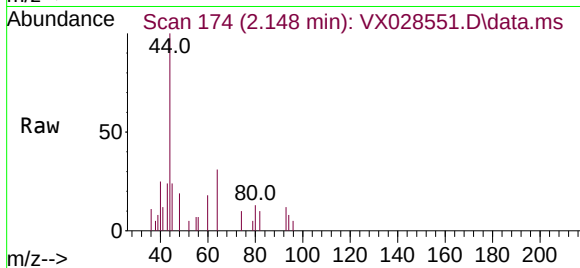




#8
Diethyl Ether
Concen: Below Cal
RT: 2.148 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX028551.D
Acq: 06 May 2022 15:45

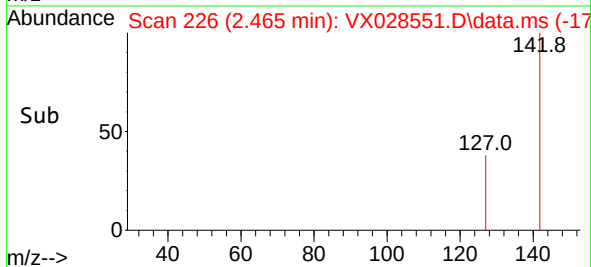
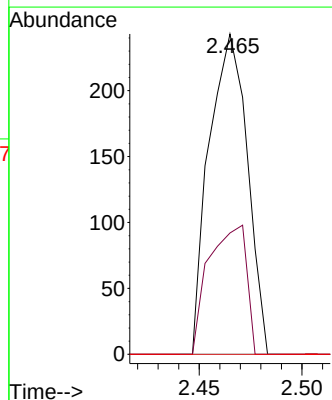
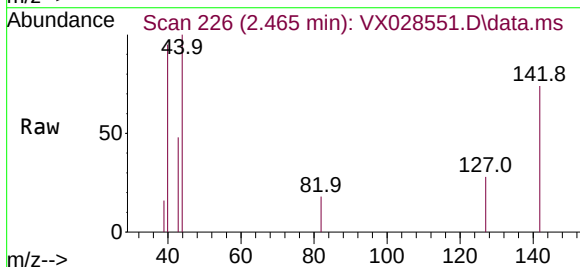
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#08

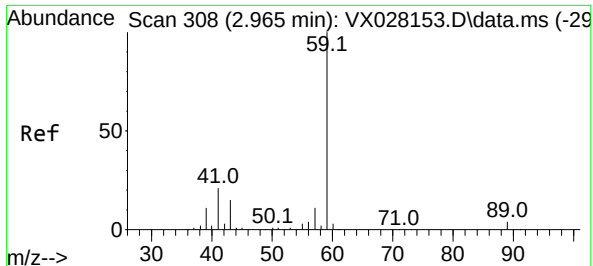
Tgt Ion: 74 Resp: 41
Ion Ratio Lower Upper
74 100
45 295.1 42.0 126.0#



#10
Methyl Iodide
Concen: 5.303 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028551.D
Acq: 06 May 2022 15:45

Tgt Ion: 142 Resp: 314
Ion Ratio Lower Upper
142 100
127 39.8 33.9 50.9
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.941 min Scan# 308

Delta R.T. -0.024 min

Lab File: VX028551.D

Acq: 06 May 2022 15:45

Instrument :

MSVOA_X

ClientSampleId :

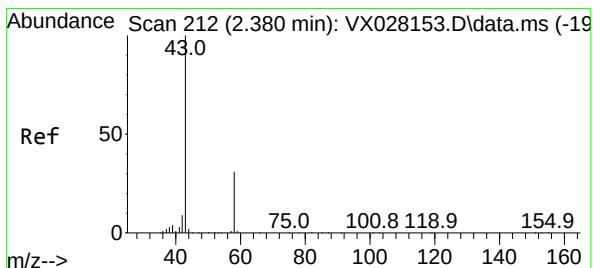
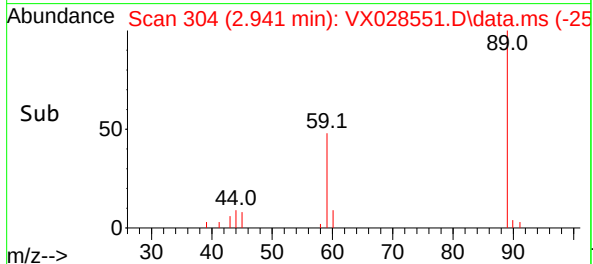
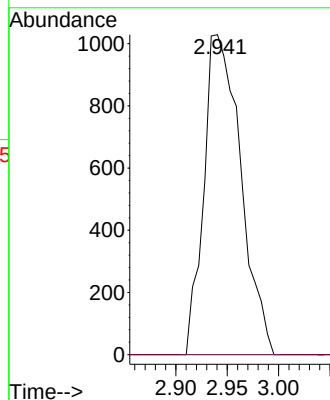
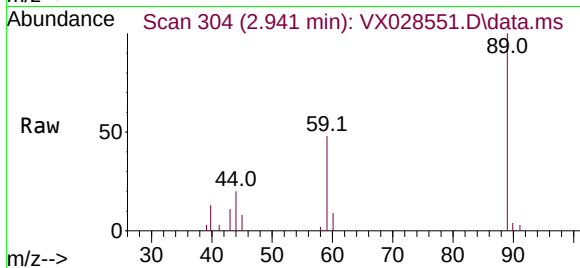
PB144610ZHE#08

Tgt Ion: 59 Resp: 2569

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 7.386 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX028551.D

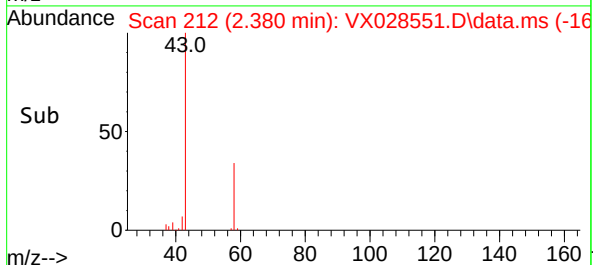
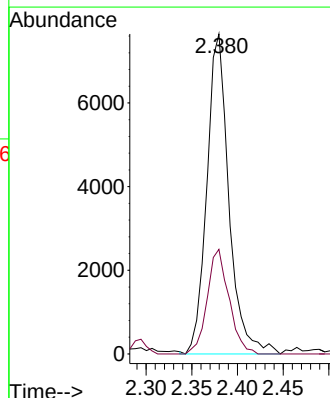
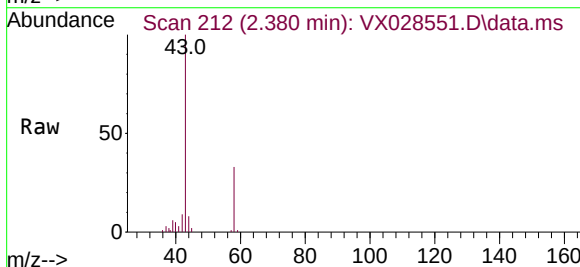
Acq: 06 May 2022 15:45

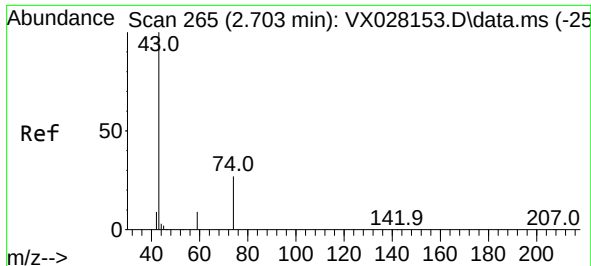
Tgt Ion: 43 Resp: 12841

Ion Ratio Lower Upper

43 100

58 32.7 28.8 43.2

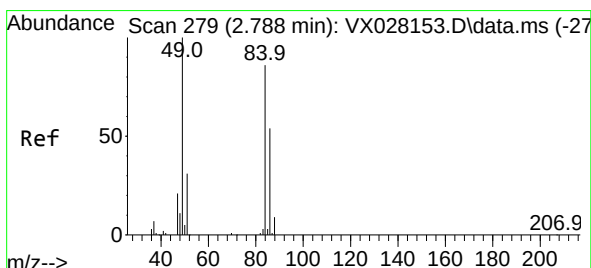
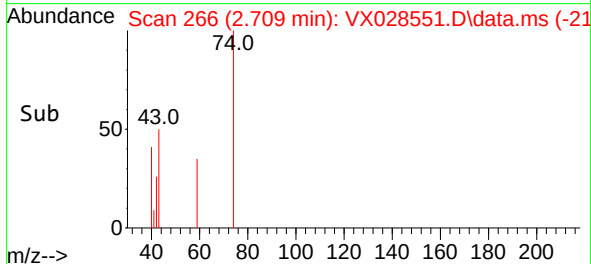
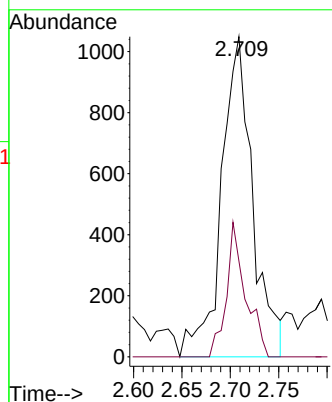
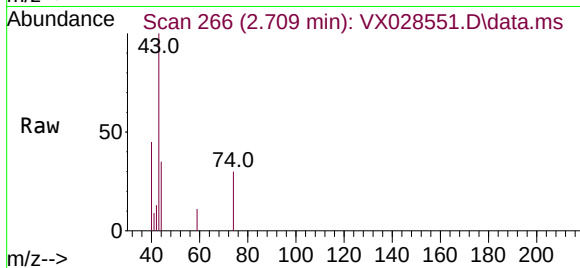




#18
Methyl Acetate
Concen: 0.549 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX028551.D
Acq: 06 May 2022 15:45

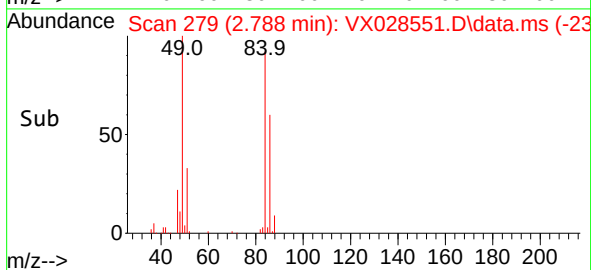
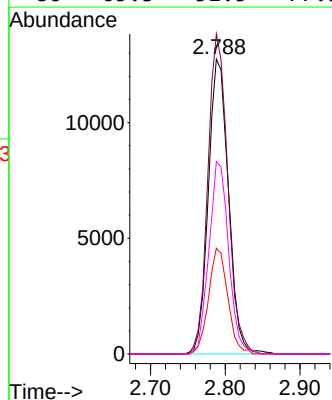
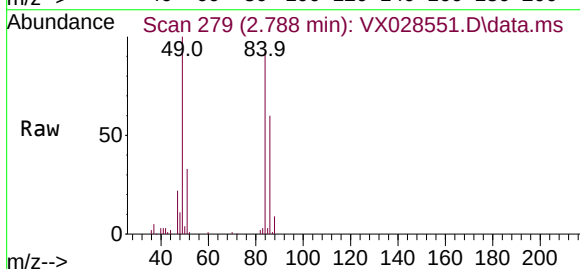
Instrument :
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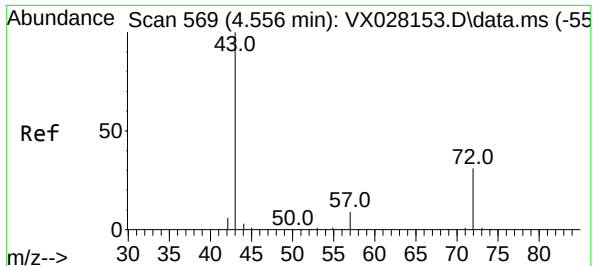
Tgt Ion: 43 Resp: 2348
Ion Ratio Lower Upper
43 100
74 25.8 22.8 34.2



#20
Methylene Chloride
Concen: 6.690 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028551.D
Acq: 06 May 2022 15:45

Tgt Ion: 84 Resp: 23875
Ion Ratio Lower Upper
84 100
49 108.6 85.5 128.3
51 35.9 26.6 39.8
86 65.3 51.5 77.3





#25

2-Butanone

Concen: 0.797 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX028551.D

Acq: 06 May 2022 15:45

Instrument :

MSVOA_X

ClientSampleId :

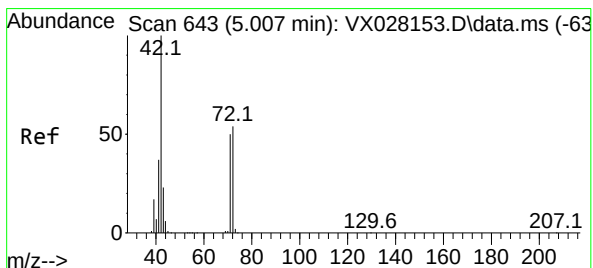
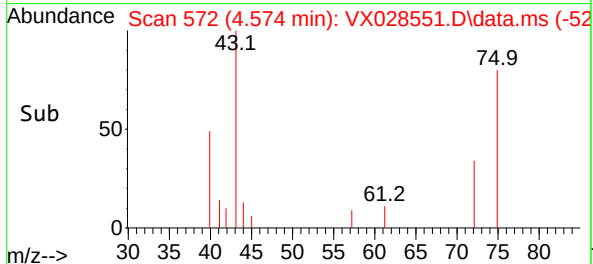
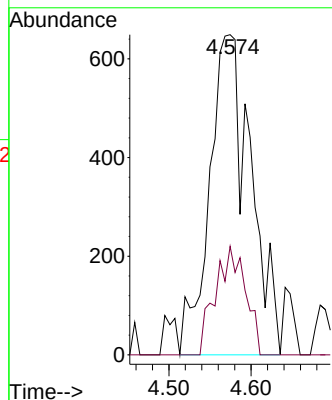
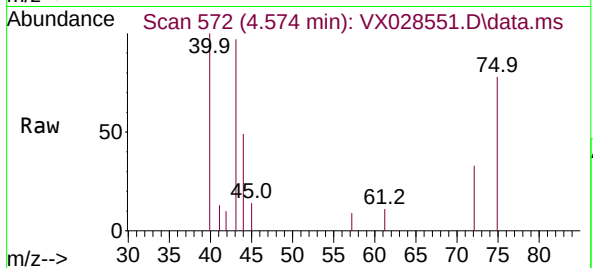
PB144610ZHE#08

Tgt Ion: 43 Resp: 2270

Ion Ratio Lower Upper

43 100

72 33.9 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.384 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.025 min

Lab File: VX028551.D

Acq: 06 May 2022 15:45

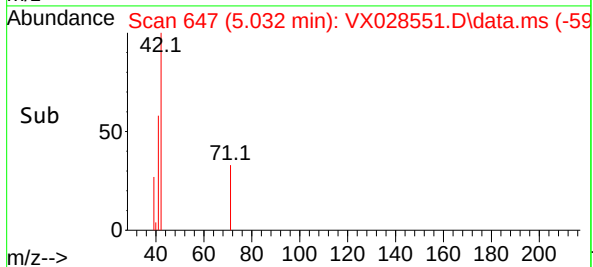
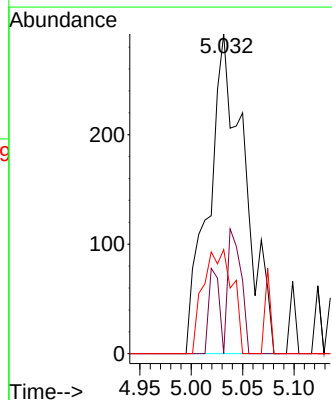
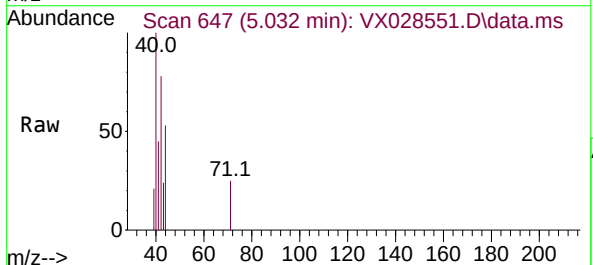
Tgt Ion: 42 Resp: 713

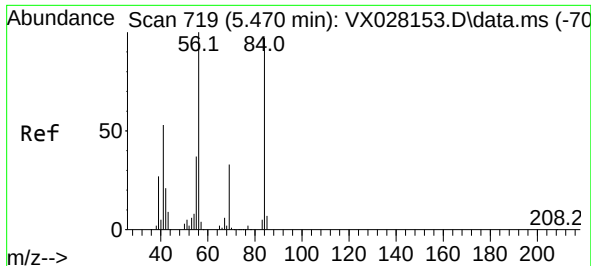
Ion Ratio Lower Upper

42 100

72 14.3 44.1 66.1#

71 26.5 40.5 60.7#

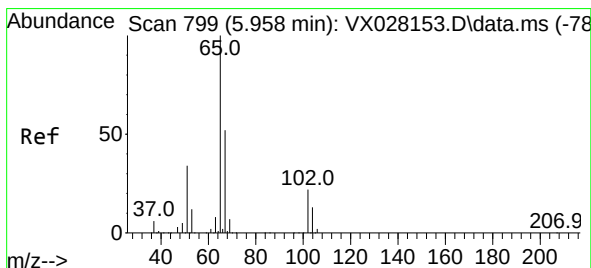
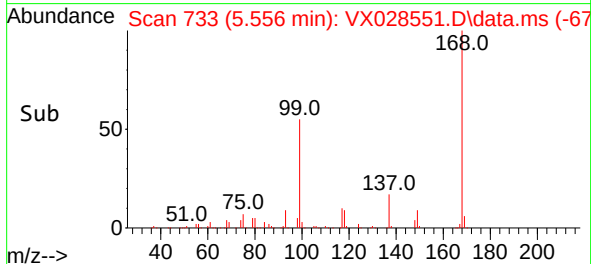
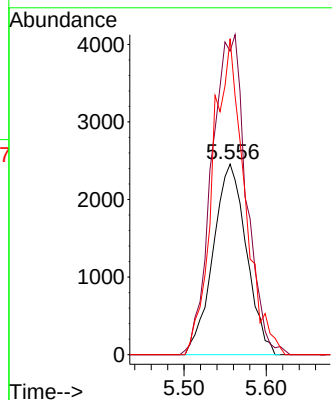
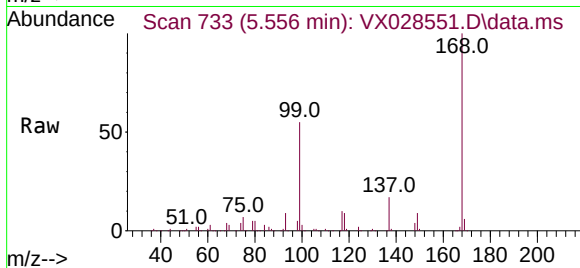




#31
Cyclohexane
Concen: 1.183 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028551.D
Acq: 06 May 2022 15:45

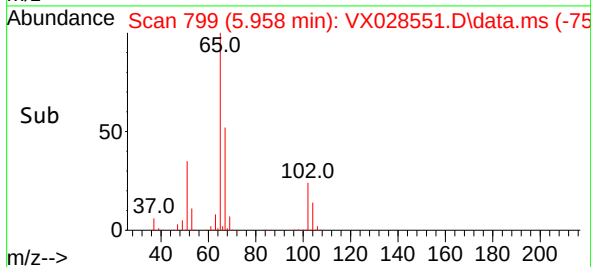
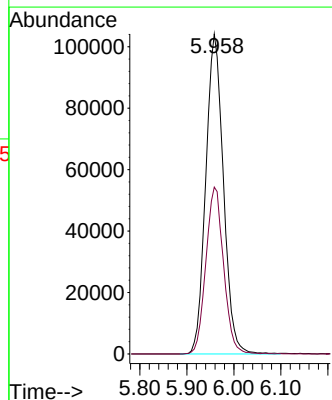
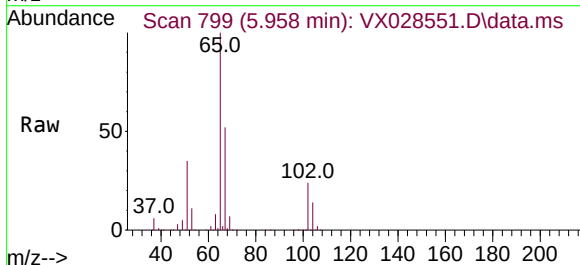
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#08

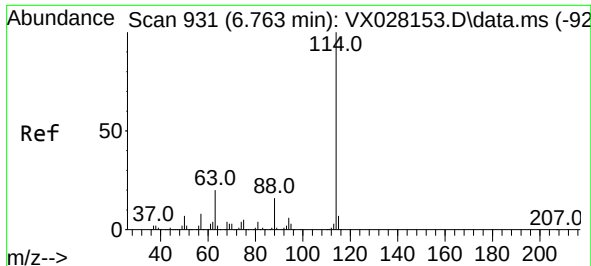
Tgt Ion: 56 Resp: 6930
Ion Ratio Lower Upper
56 100
69 159.2 26.7 40.1#
84 165.8 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 56.308 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028551.D
Acq: 06 May 2022 15:45

Tgt Ion: 65 Resp: 270826
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.4

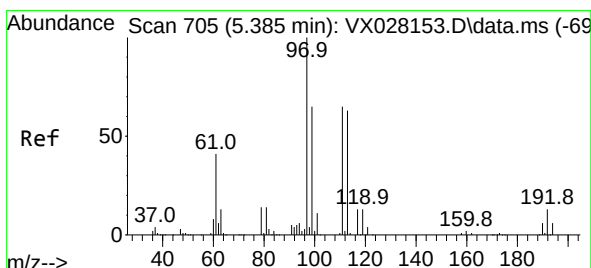
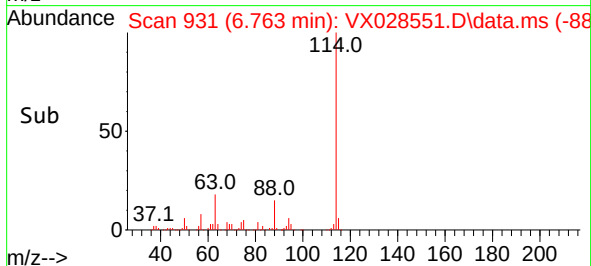
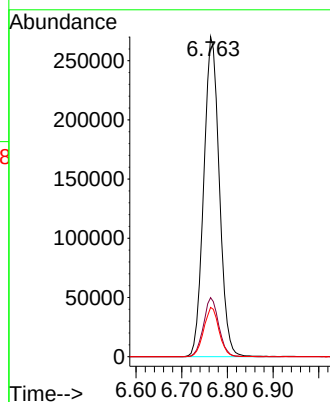
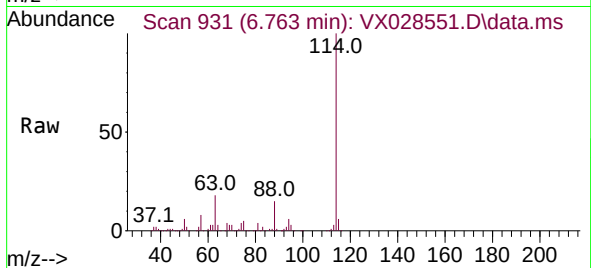




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028551.D
Acq: 06 May 2022 15:45

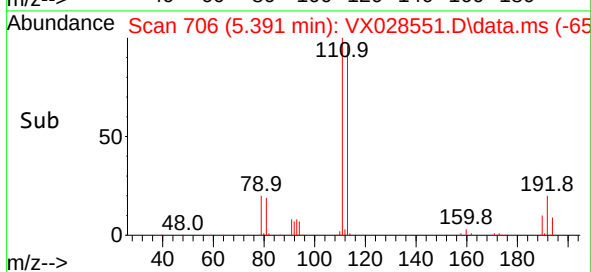
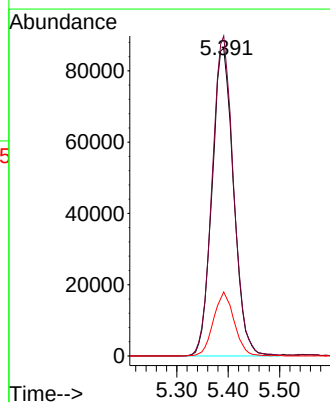
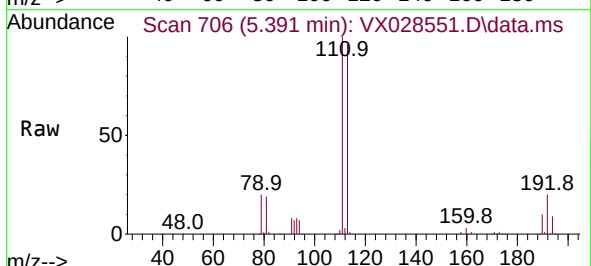
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#08

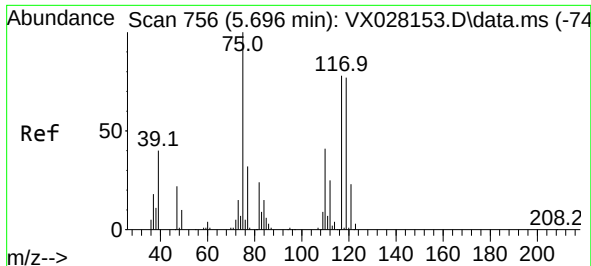
Tgt Ion:114 Resp: 640016
Ion Ratio Lower Upper
114 100
63 18.5 0.0 36.8
88 15.4 0.0 32.4



#35
Dibromofluoromethane
Concen: 56.030 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028551.D
Acq: 06 May 2022 15:45

Tgt Ion:113 Resp: 251483
Ion Ratio Lower Upper
113 100
111 103.1 82.8 124.2
192 20.0 16.9 25.3

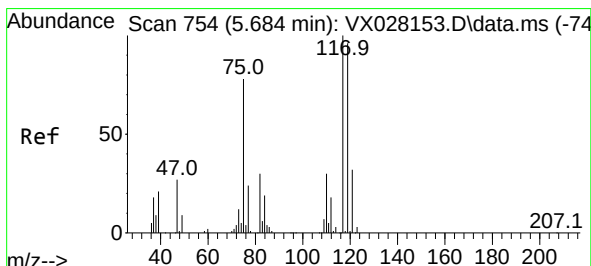
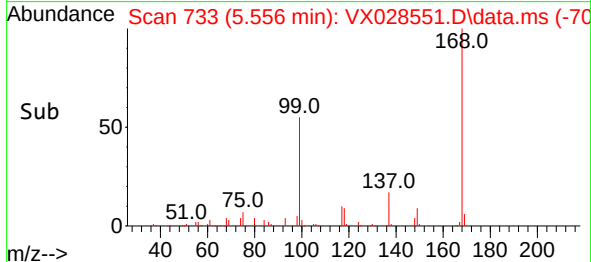
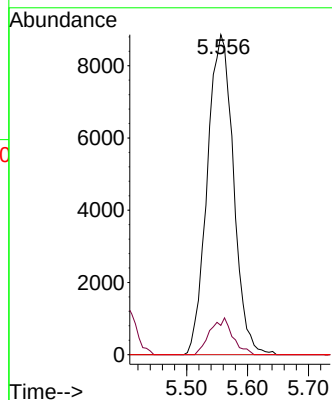
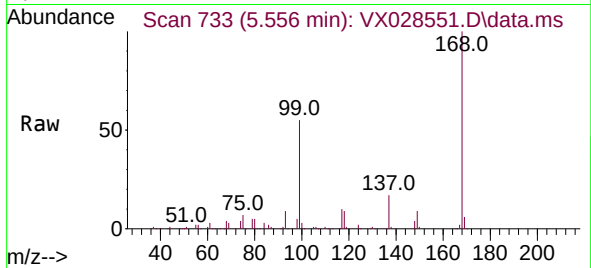




#36
1,1-Dichloropropene
Concen: 4.523 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX028551.D
Acq: 06 May 2022 15:45

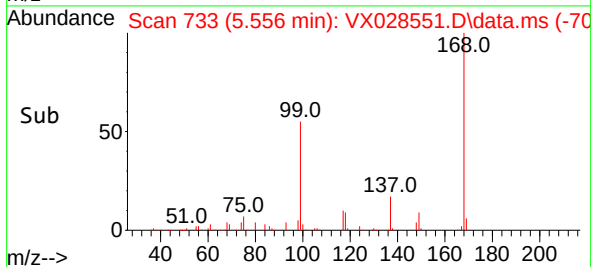
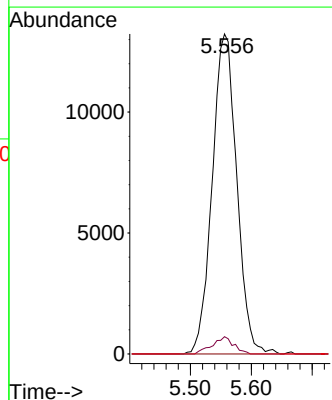
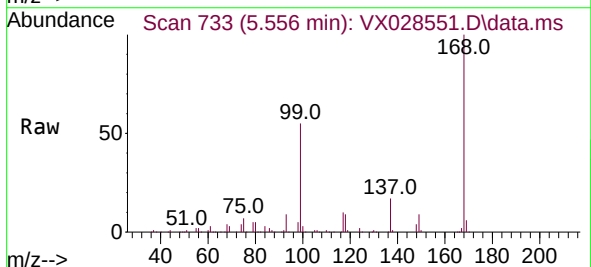
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#08

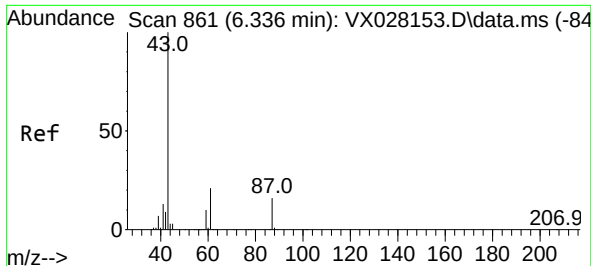
Tgt Ion: 75 Resp: 26479
Ion Ratio Lower Upper
75 100
110 10.0 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.596 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028551.D
Acq: 06 May 2022 15:45

Tgt Ion: 117 Resp: 36984
Ion Ratio Lower Upper
117 100
119 5.4 77.3 115.9#
121 0.0 24.2 36.2#

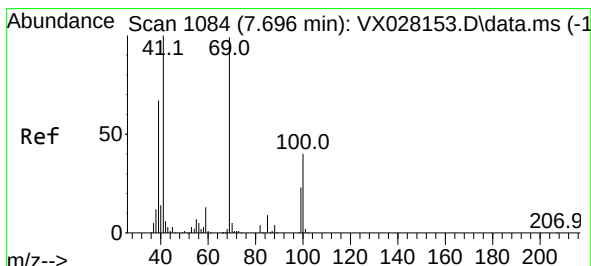
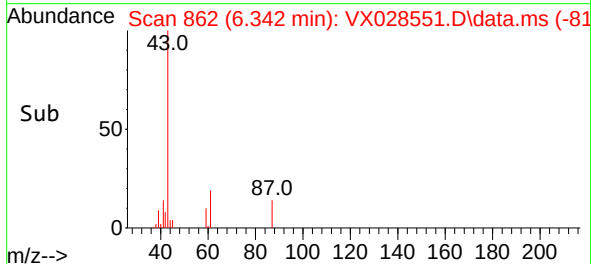
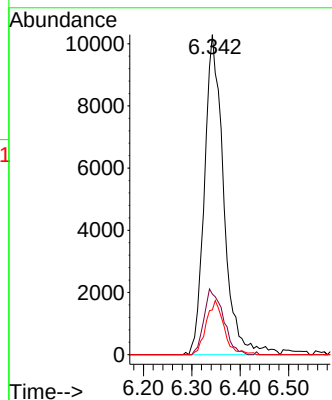
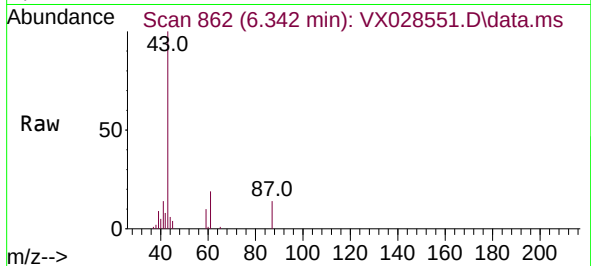




#43
Isopropyl Acetate
Concen: 2.937 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX028551.D
Acq: 06 May 2022 15:45

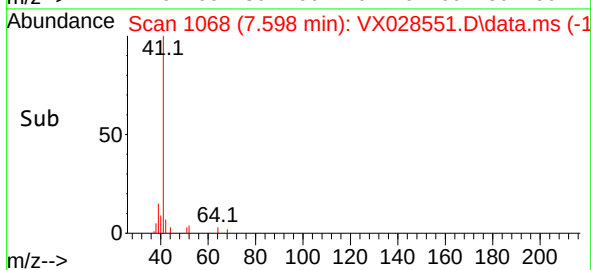
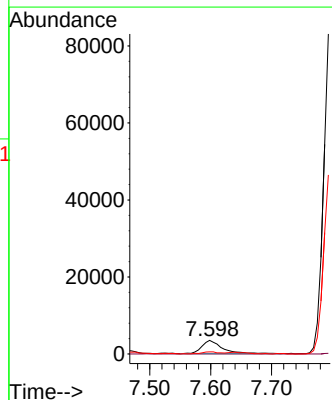
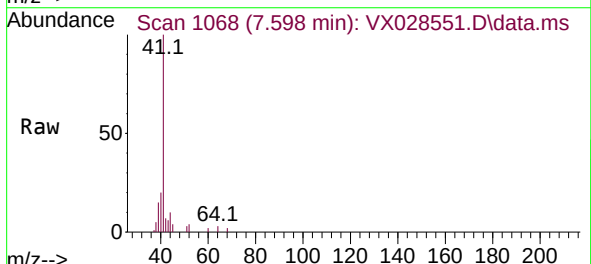
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#08

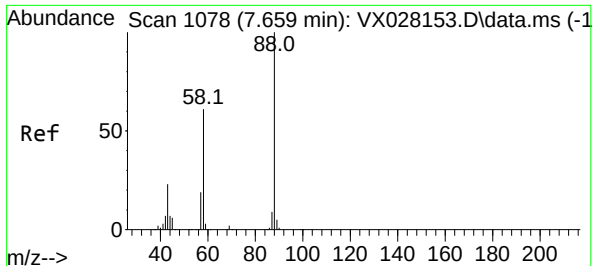
Tgt Ion: 43 Resp: 28400
Ion Ratio Lower Upper
43 100
61 20.6 18.5 27.7
87 15.6 13.0 19.6



#48
Methyl methacrylate
Concen: 1.804 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028551.D
Acq: 06 May 2022 15:45

Tgt Ion: 41 Resp: 8008
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: 3.503 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX028551.D

Acq: 06 May 2022 15:45

Instrument :

MSVOA_X

ClientSampleId :

PB144610ZHE#08

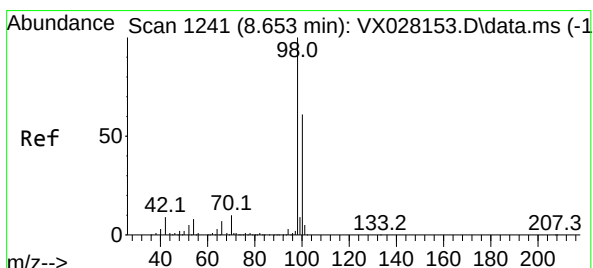
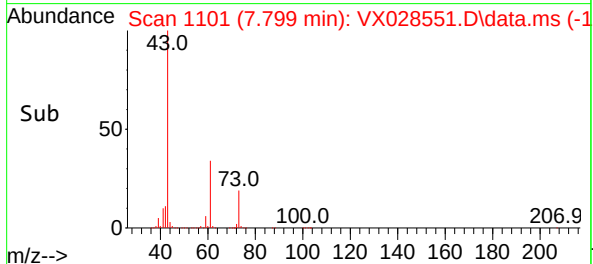
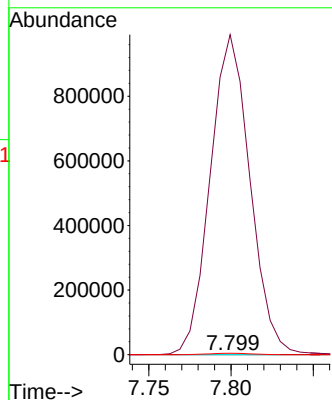
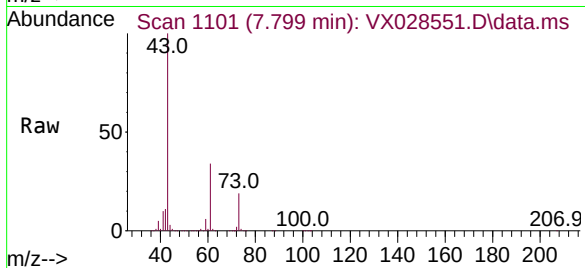
Tgt Ion: 88 Resp: 416

Ion Ratio Lower Upper

88 100

43 403534.6 21.9 32.9#

58 1945.4 53.7 80.5#



#50

Toluene-d8

Concen: 53.761 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028551.D

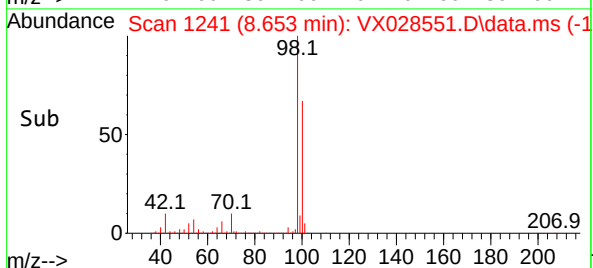
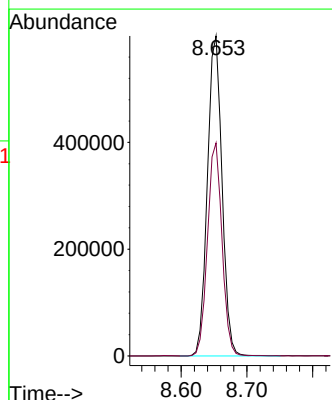
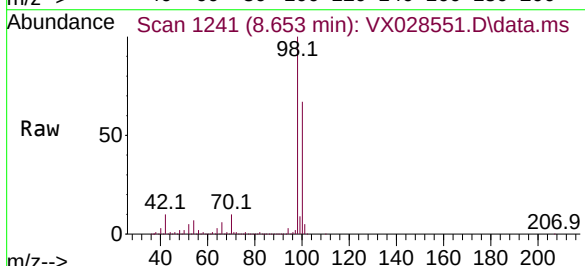
Acq: 06 May 2022 15:45

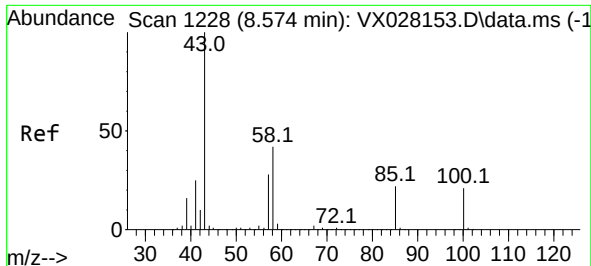
Tgt Ion: 98 Resp: 926785

Ion Ratio Lower Upper

98 100

100 66.1 52.6 78.8

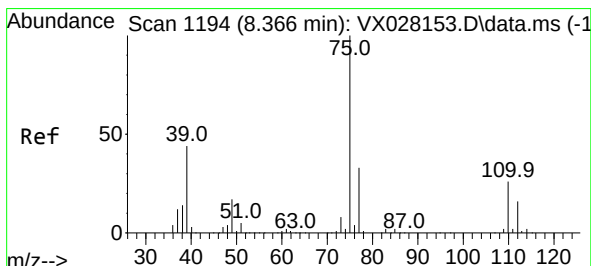
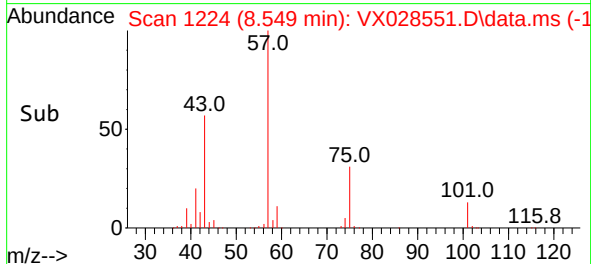
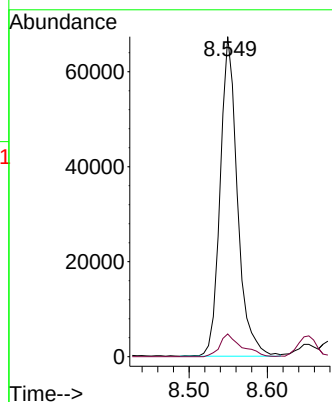
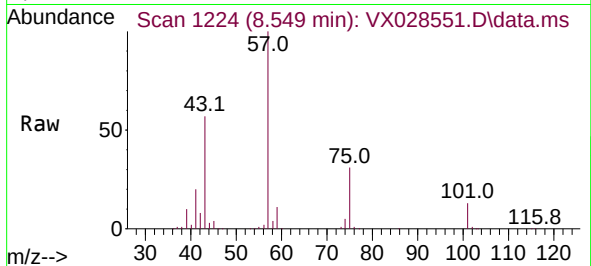




#51
4-Methyl-2-Pentanone
Concen: 16.651 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX028551.D
Acq: 06 May 2022 15:45

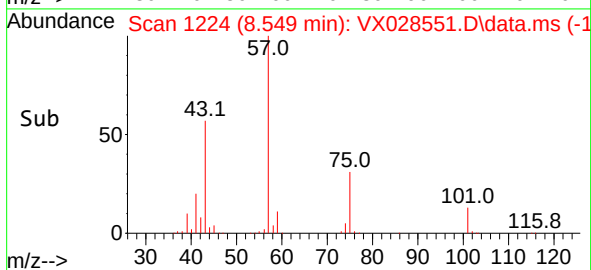
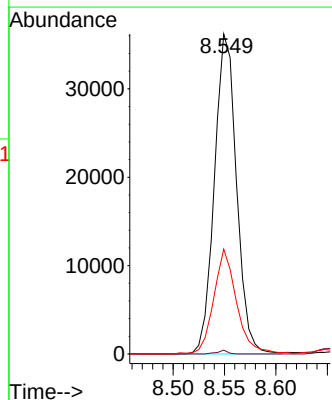
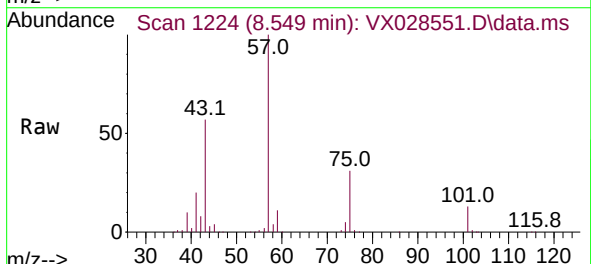
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#08

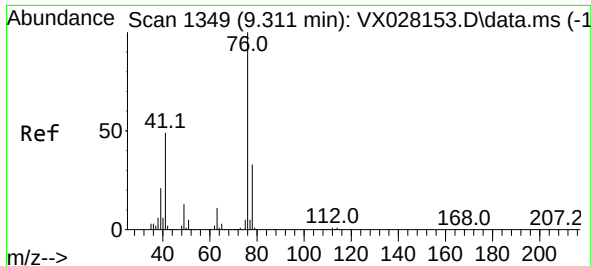
Tgt Ion: 43 Resp: 103311
Ion Ratio Lower Upper
43 100
58 8.9 36.1 54.1#



#54
cis-1,3-Dichloropropene
Concen: 7.488 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX028551.D
Acq: 06 May 2022 15:45

Tgt Ion: 75 Resp: 54047
Ion Ratio Lower Upper
75 100
77 1.2 24.8 37.2#
39 32.4 29.6 44.4





#57

1,3-Dichloropropane

Concen: 4.838 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028551.D

Acq: 06 May 2022 15:45

Instrument :

MSVOA_X

ClientSampleId :

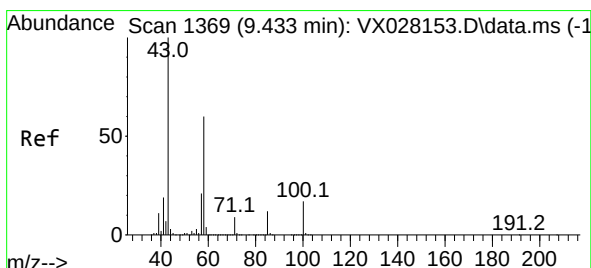
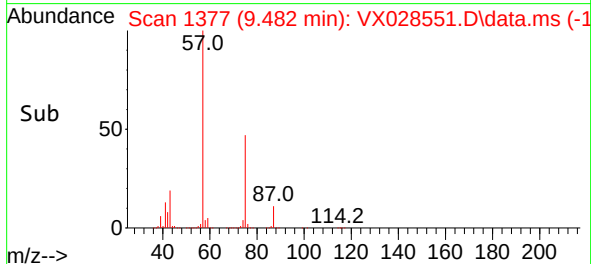
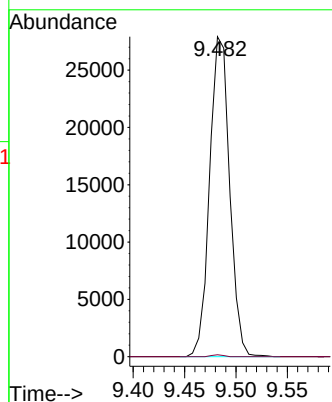
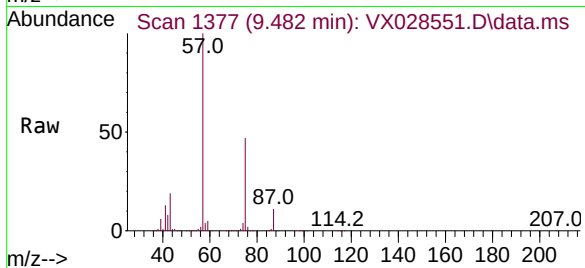
PB144610ZHE#08

Tgt Ion: 76 Resp: 37774

Ion Ratio Lower Upper

76 100

78 0.4 25.8 38.8#



#59

2-Hexanone

Concen: 86.476 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028551.D

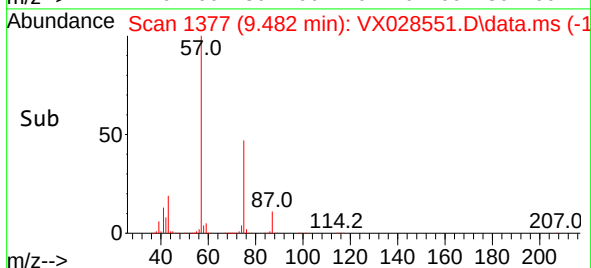
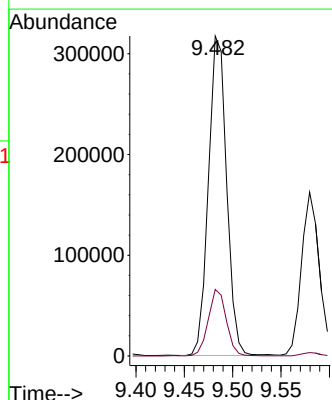
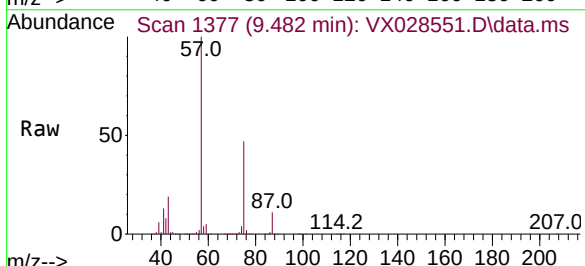
Acq: 06 May 2022 15:45

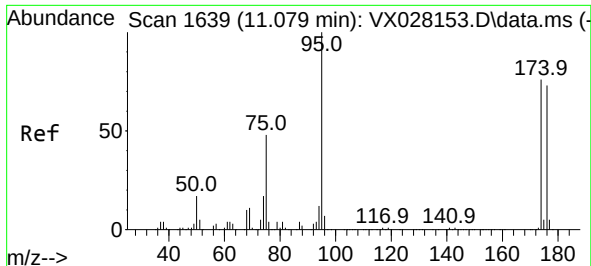
Tgt Ion: 43 Resp: 415602

Ion Ratio Lower Upper

43 100

58 20.8 31.9 95.7#





#62

4-Bromofluorobenzene

Concen: 51.245 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028551.D

Acq: 06 May 2022 15:45

Instrument :

MSVOA_X

ClientSampleId :

PB144610ZHE#08

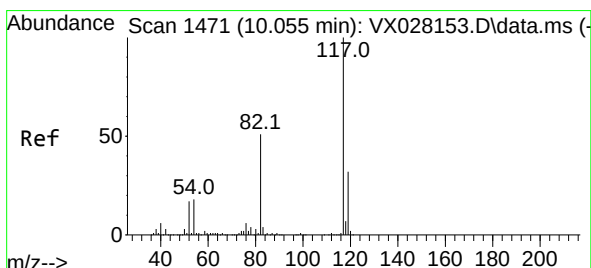
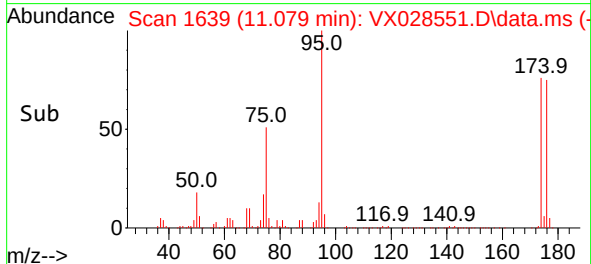
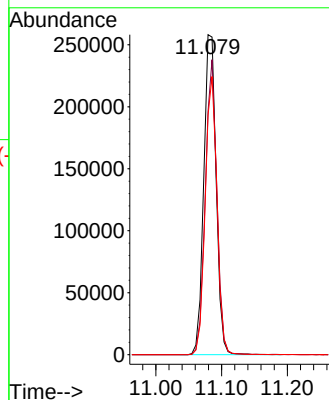
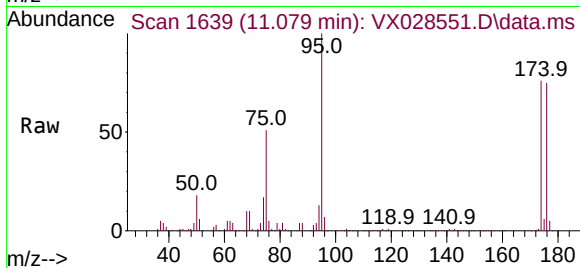
Tgt Ion: 95 Resp: 337779

Ion Ratio Lower Upper

95 100

174 86.1 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: VX028551.D

Acq: 06 May 2022 15:45

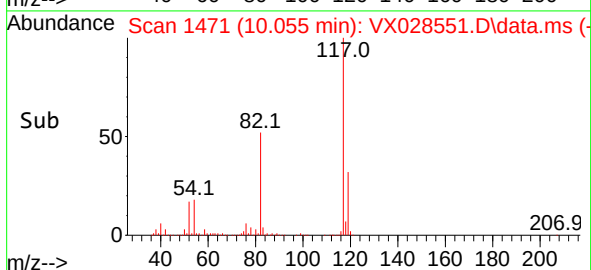
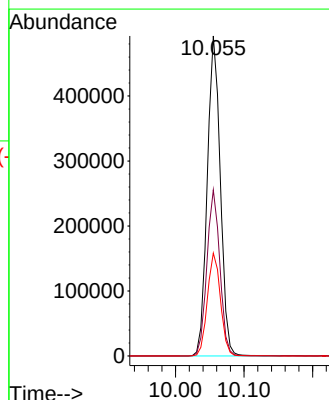
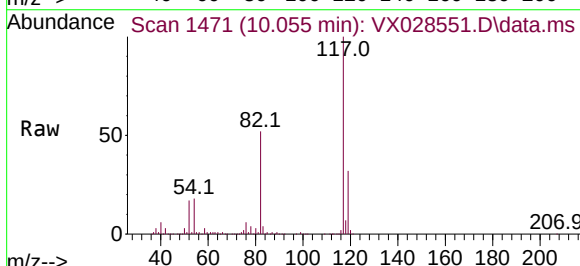
Tgt Ion: 117 Resp: 652264

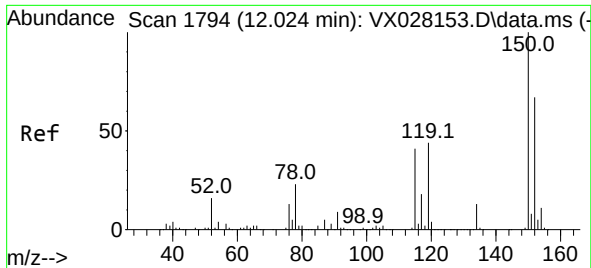
Ion Ratio Lower Upper

117 100

82 51.9 41.8 62.8

119 32.2 24.8 37.2

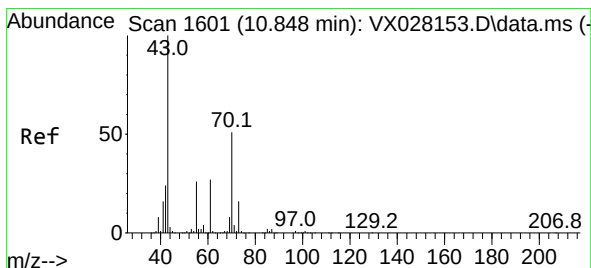
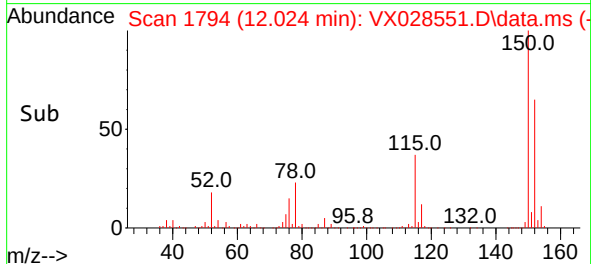
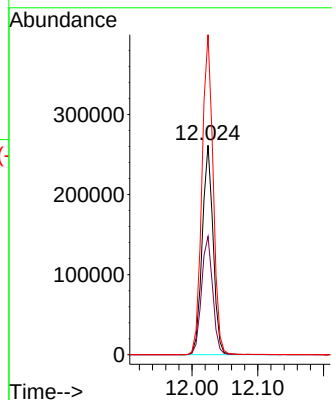
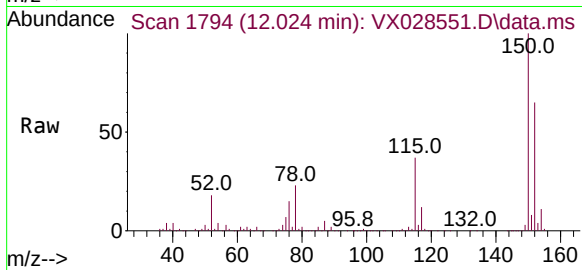




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028551.D
Acq: 06 May 2022 15:45

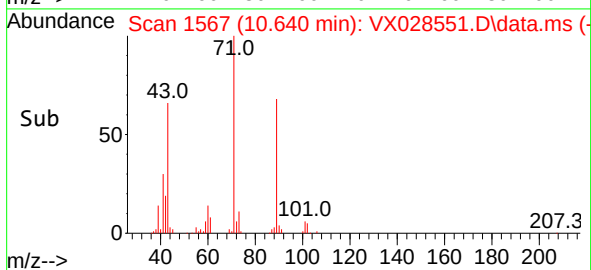
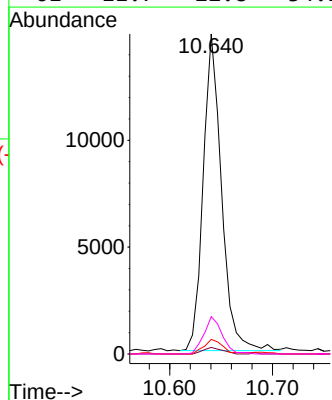
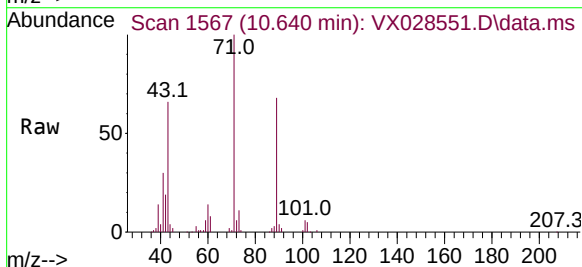
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#08

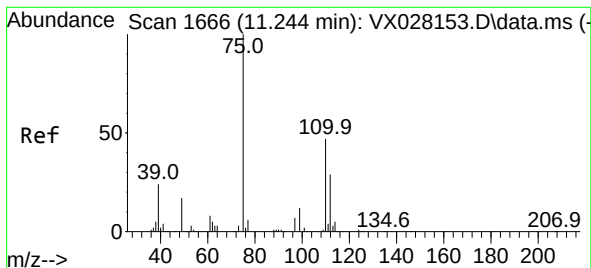
Tgt Ion:152 Resp: 301789
Ion Ratio Lower Upper
152 100
115 58.1 37.5 112.7
150 156.9 0.0 338.2



#74
N-ethyl acetate
Concen: 2.571 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.208 min
Lab File: VX028551.D
Acq: 06 May 2022 15:45

Tgt Ion: 43 Resp: 18433
Ion Ratio Lower Upper
43 100
70 2.1 42.5 63.7#
55 4.8 23.1 34.7#
61 11.7 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 28.735 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.165 min

Lab File: VX028551.D

Acq: 06 May 2022 15:45

Instrument :

MSVOA_X

ClientSampleId :

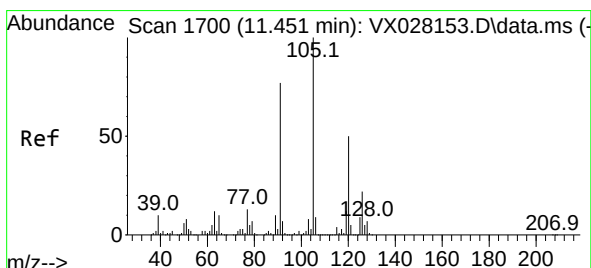
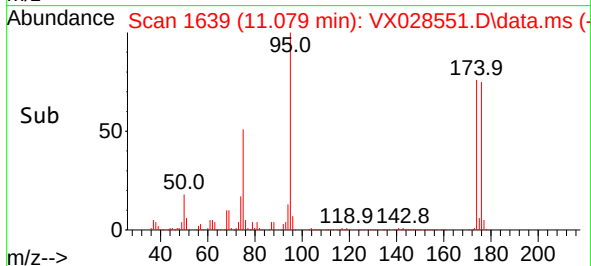
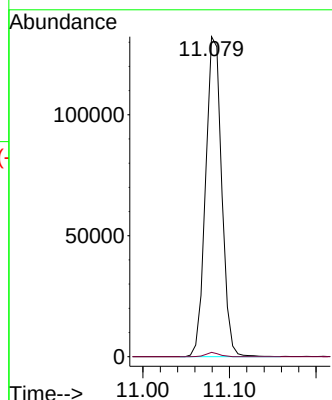
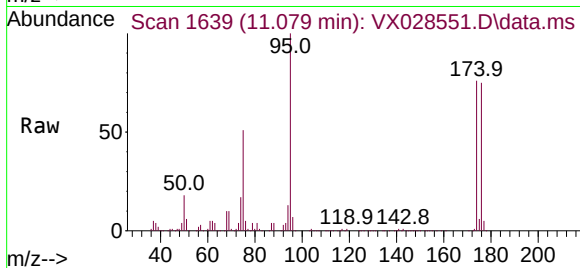
PB144610ZHE#08

Tgt Ion: 75 Resp: 170670

Ion Ratio Lower Upper

75 100

77 1.1 19.4 58.2#



#80

1,3,5-Trimethylbenzene

Concen: 0.293 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX028551.D

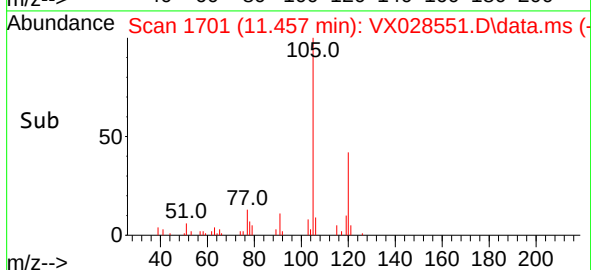
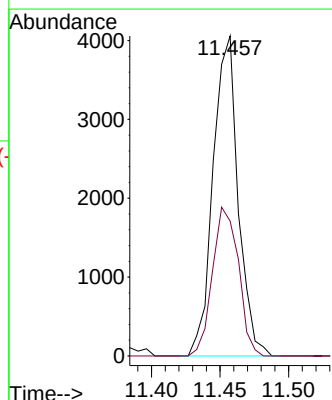
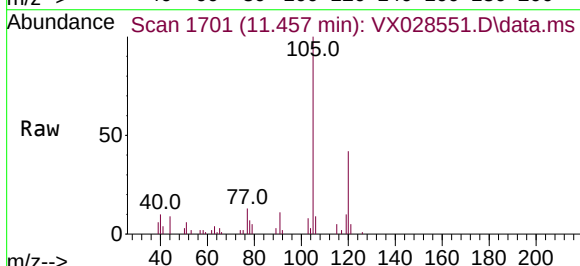
Acq: 06 May 2022 15:45

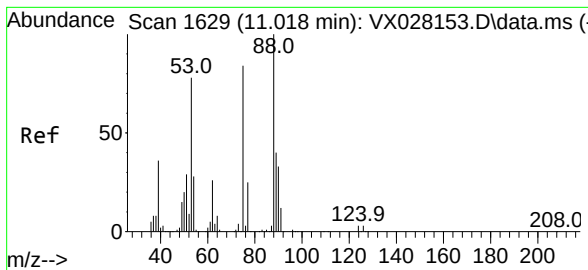
Tgt Ion:105 Resp: 5153

Ion Ratio Lower Upper

105 100

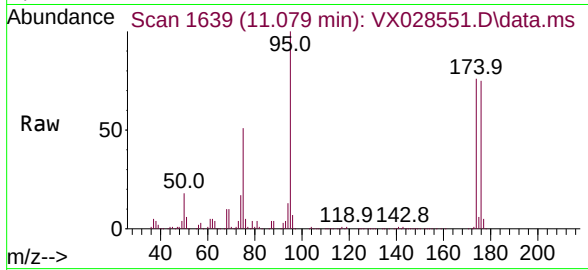
120 48.2 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.393 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028551.D
 Acq: 06 May 2022 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144610ZHE#08



Tgt Ion: 75 Resp: 170670
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

