

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042722\
 Data File : VX028378.D
 Acq On : 27 Apr 2022 15:10
 Operator : JC/MD
 Sample : PB144400ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144400ZHE#03

Quant Time: Apr 28 04:22:54 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	441961	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	763467	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	767169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	362265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	314990	54.661	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 109.320%	
35) Dibromofluoromethane	5.385	113	287324	53.664	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 107.320%	
50) Toluene-d8	8.653	98	1071734	52.117	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.240%	
62) 4-Bromofluorobenzene	11.079	95	399046	50.751	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 101.500%	
Target Compounds						Qvalue
3) Chloromethane	1.288	50	349	Below Cal	#	42
5) Bromomethane	1.612	94	1007	Below Cal		94
6) Chloroethane	1.654	64	270	Below Cal	#	70
8) Diethyl Ether	1.861	74	21	Below Cal	#	7
10) Methyl Iodide	2.459	142	589	5.342	ug/l #	88
11) Tert butyl alcohol	2.941	59	2983	Below Cal	#	72
16) Acetone	2.374	43	13778	6.468	ug/l	90
18) Methyl Acetate	2.709	43	2063	0.403	ug/l	97
20) Methylene Chloride	2.794	84	21628	5.058	ug/l	96
25) 2-Butanone	4.568	43	2370	0.694	ug/l #	83
31) Cyclohexane	5.556	56	8315	1.184	ug/l #	8
36) 1,1-Dichloropropene	5.556	75	31440	4.502	ug/l #	50
38) Carbon Tetrachloride	5.550	117	43244	5.485	ug/l #	15
43) Isopropyl Acetate	6.342	43	28806	2.498	ug/l	97
48) Methyl methacrylate	7.598	41	7333	1.385	ug/l #	7
49) 1,4-Dioxane	7.793	88	270	1.906	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	112325	15.177	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	61121	7.099	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	39372	4.227	ug/l #	43
59) 2-Hexanone	9.482	43	439430	76.649	ug/l #	45
74) N-amyl acetate	10.640	43	20575	2.391	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	197595	27.715	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	4445	0.210	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.079	75	197595	82.361	ug/l #	15

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

Quant Time: Apr 28 04:22:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
Quant Title : SW846 8260
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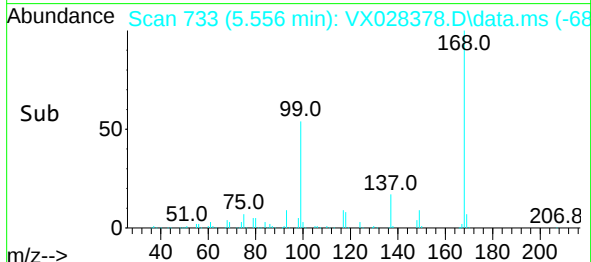
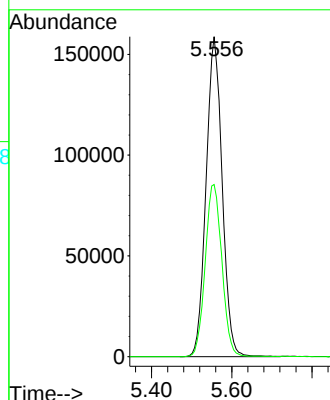
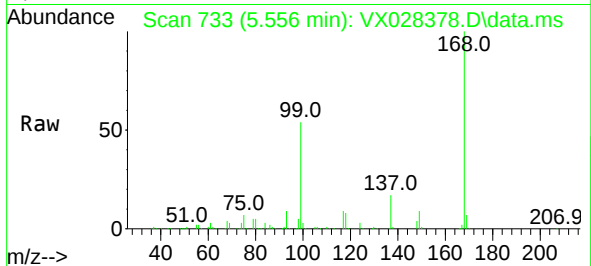




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028378.D
Acq: 27 Apr 2022 15:10

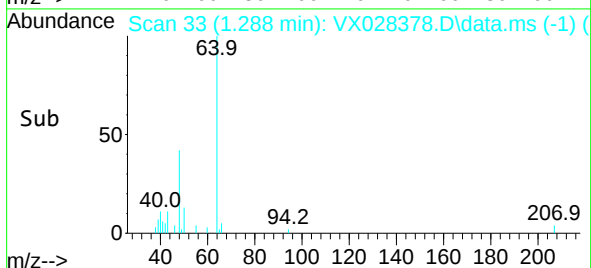
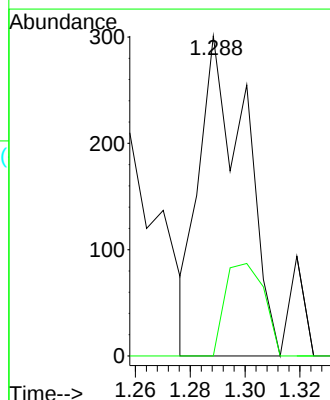
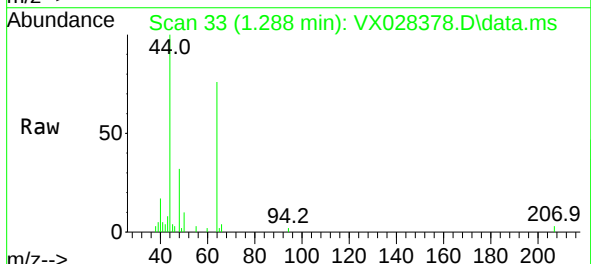
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#03

Tgt Ion:168 Resp: 441961
Ion Ratio Lower Upper
168 100
99 53.8 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028378.D
Acq: 27 Apr 2022 15:10

Tgt Ion: 50 Resp: 349
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

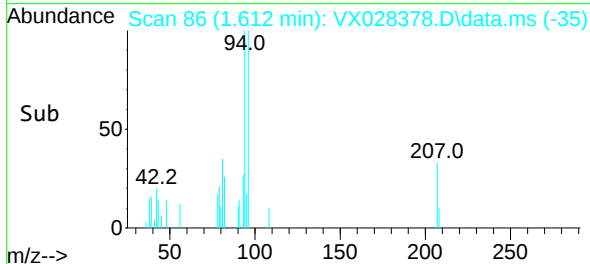
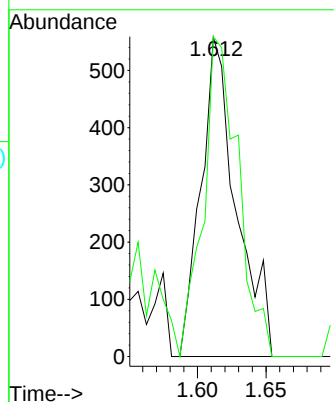
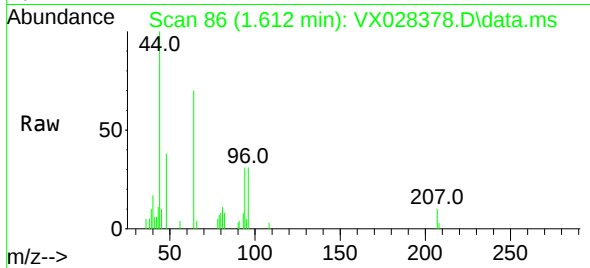




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX028378.D
Acq: 27 Apr 2022 15:10

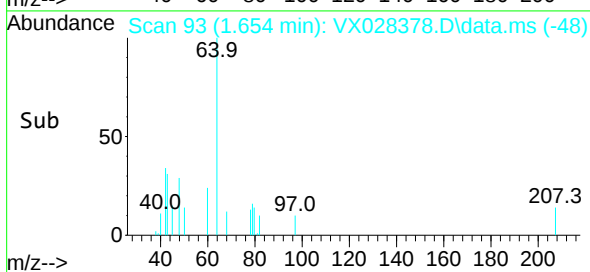
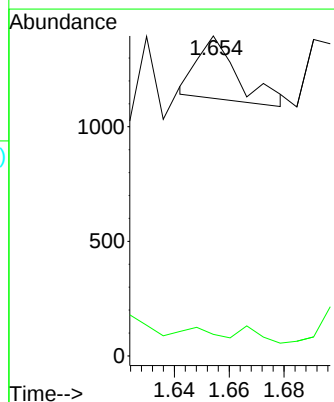
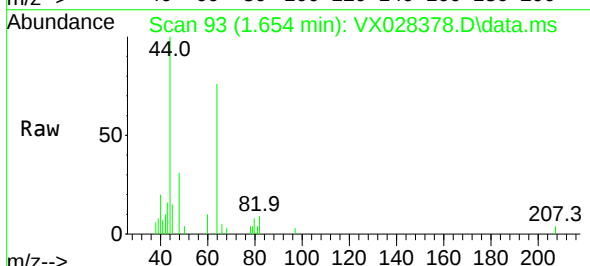
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#03

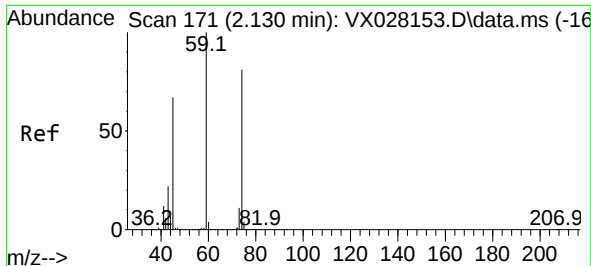
Tgt Ion: 94 Resp: 1007
Ion Ratio Lower Upper
94 100
96 100.2 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 93
Delta R.T. -0.024 min
Lab File: VX028378.D
Acq: 27 Apr 2022 15:10

Tgt Ion: 64 Resp: 270
Ion Ratio Lower Upper
64 100
66 15.0 25.3 37.9#

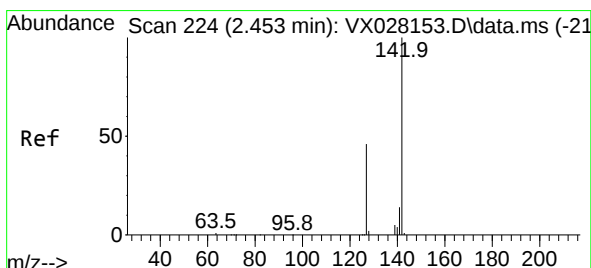
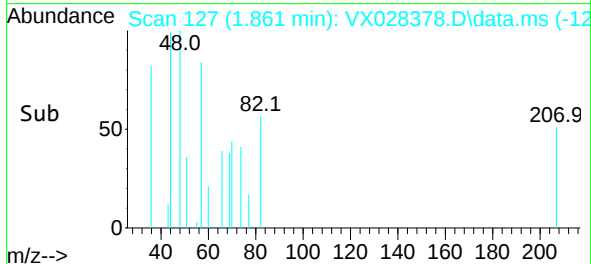
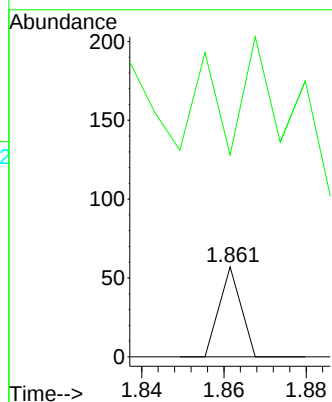
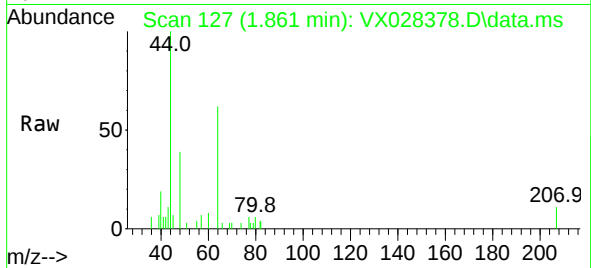




#8
Diethyl Ether
Concen: Below Cal
RT: 1.861 min Scan# 11
Delta R.T. -0.269 min
Lab File: VX028378.D
Acq: 27 Apr 2022 15:10

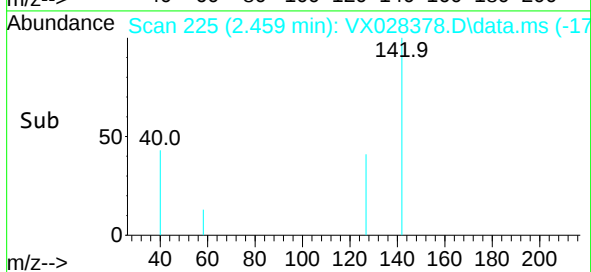
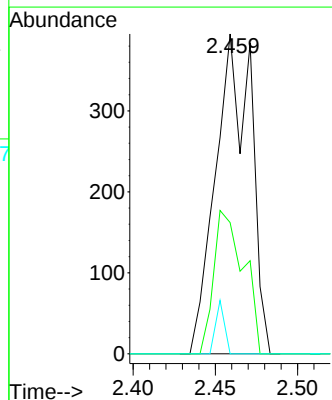
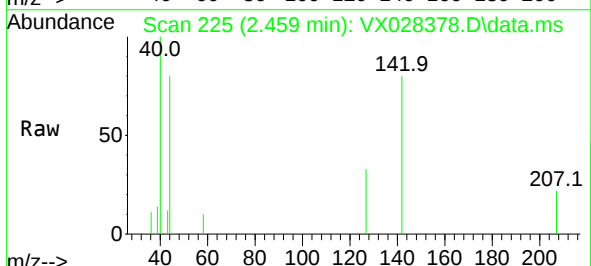
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#03

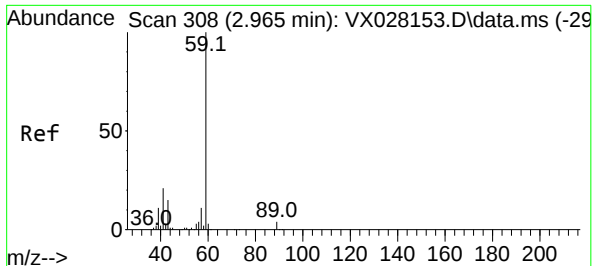
Tgt Ion: 74 Resp: 21
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.342 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028378.D
Acq: 27 Apr 2022 15:10

Tgt Ion:142 Resp: 589
Ion Ratio Lower Upper
142 100
127 37.9 33.9 50.9
141 4.1 11.4 17.2#

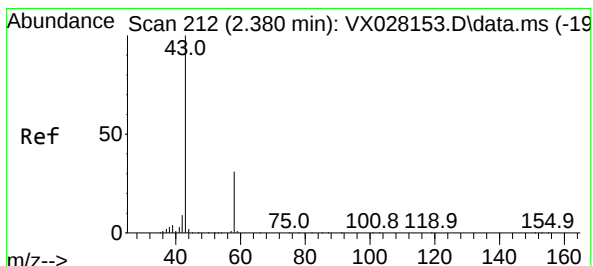
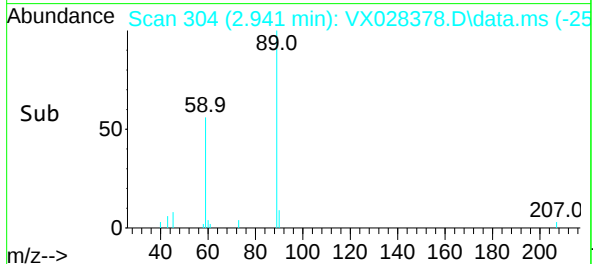
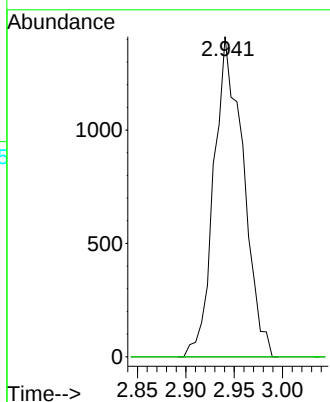
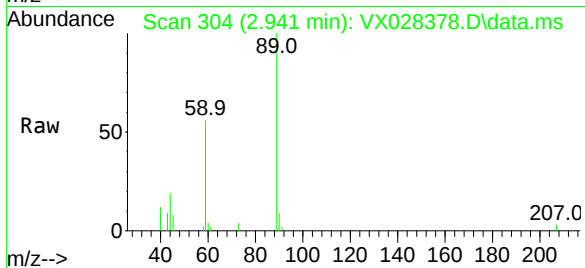




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 30
Delta R.T. -0.024 min
Lab File: VX028378.D
Acq: 27 Apr 2022 15:10

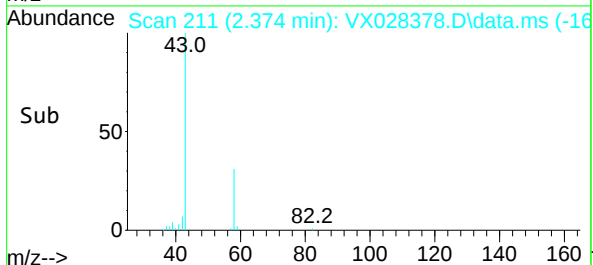
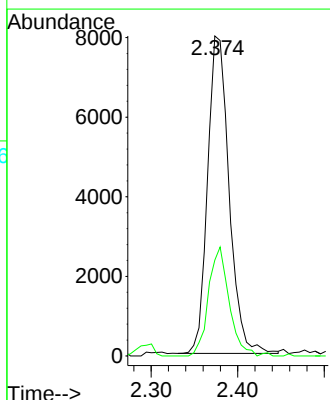
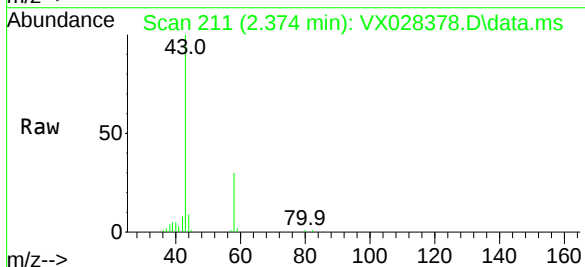
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#03

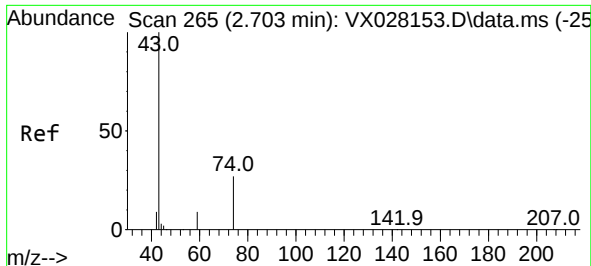
Tgt Ion: 59 Resp: 2983
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 6.468 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX028378.D
Acq: 27 Apr 2022 15:10

Tgt Ion: 43 Resp: 13778
Ion Ratio Lower Upper
43 100
58 30.2 28.8 43.2

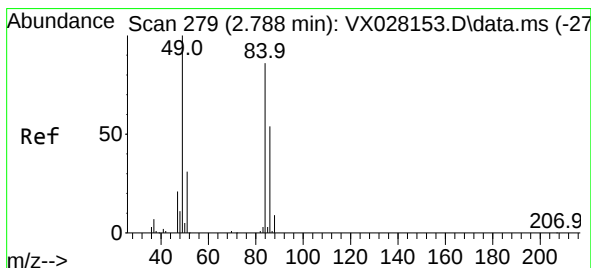
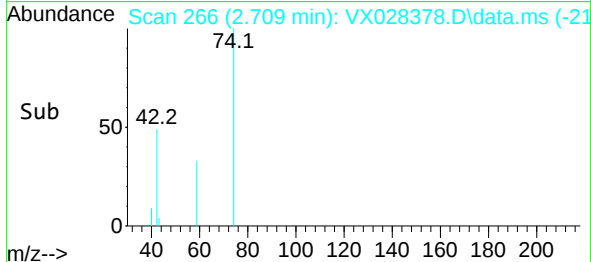
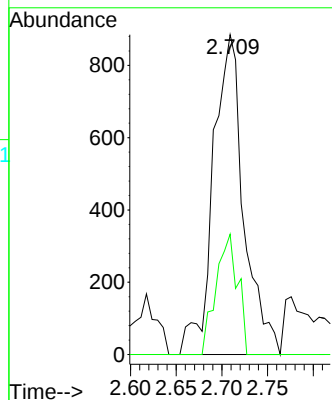
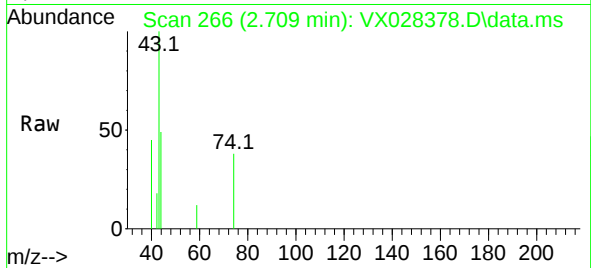




#18
Methyl Acetate
Concen: 0.403 ug/l
RT: 2.709 min Scan# 2063
Delta R.T. 0.006 min
Lab File: VX028378.D
Acq: 27 Apr 2022 15:10

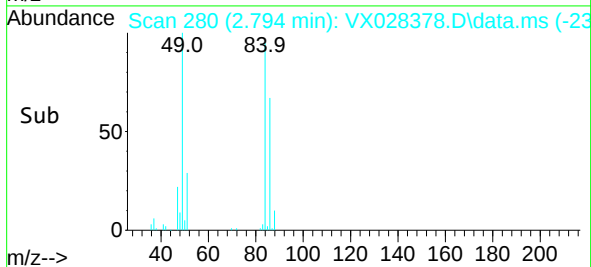
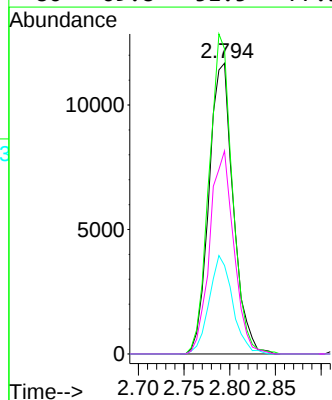
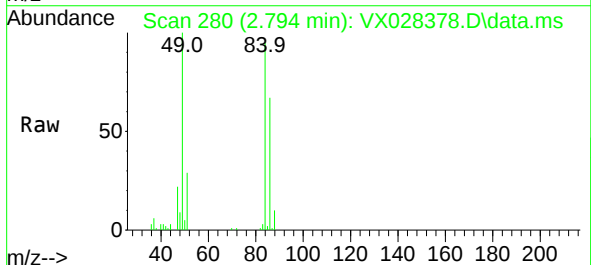
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#03

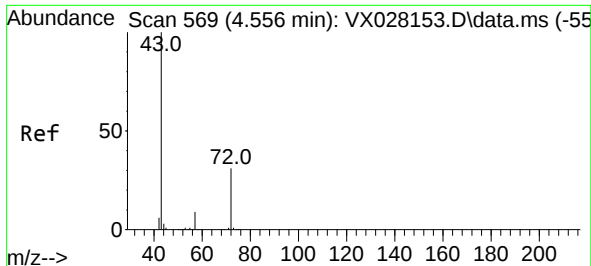
Tgt Ion: 43 Resp: 2063
Ion Ratio Lower Upper
43 100
74 26.7 22.8 34.2



#20
Methylene Chloride
Concen: 5.058 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX028378.D
Acq: 27 Apr 2022 15:10

Tgt Ion: 84 Resp: 21628
Ion Ratio Lower Upper
84 100
49 104.9 85.5 128.3
51 30.4 26.6 39.8
86 69.8 51.5 77.3





#25

2-Butanone

Concen: 0.694 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX028378.D

Acq: 27 Apr 2022 15:10

Instrument :

MSVOA_X

ClientSampleId :

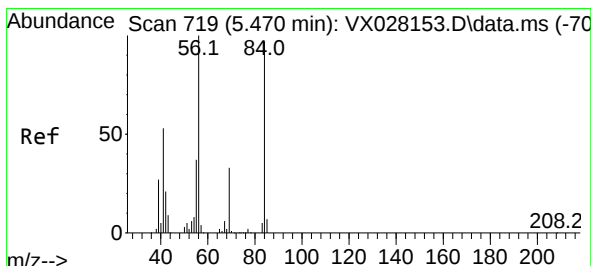
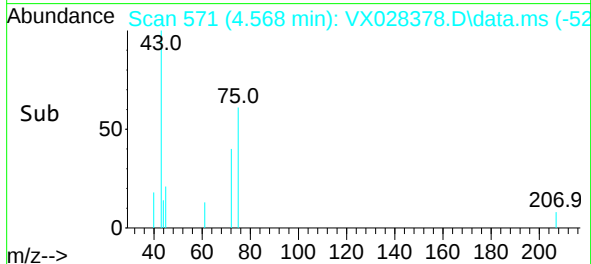
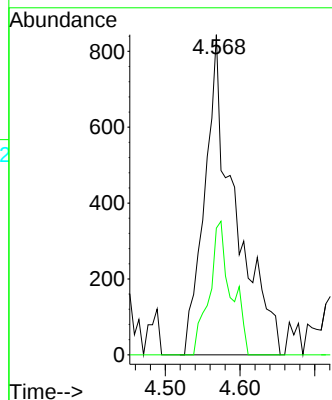
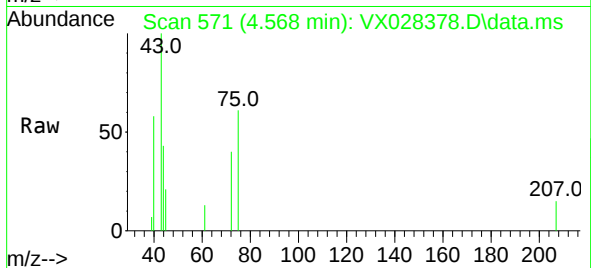
PB144400ZHE#03

Tgt Ion: 43 Resp: 2370

Ion Ratio Lower Upper

43 100

72 39.6 24.4 36.6#



#31

Cyclohexane

Concen: 1.184 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX028378.D

Acq: 27 Apr 2022 15:10

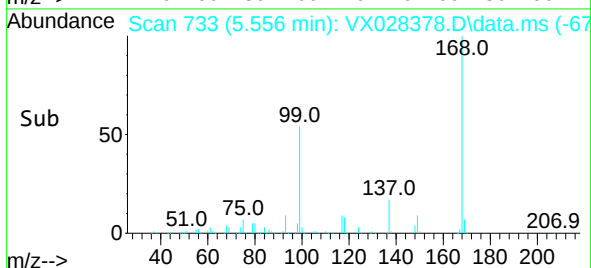
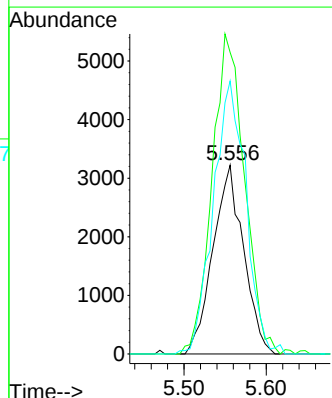
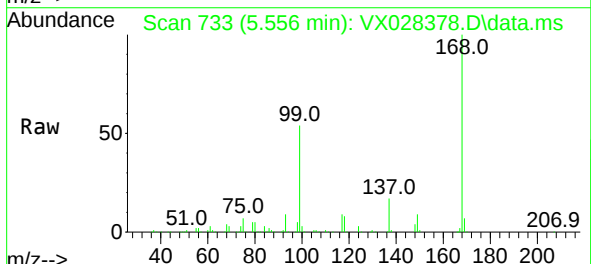
Tgt Ion: 56 Resp: 8315

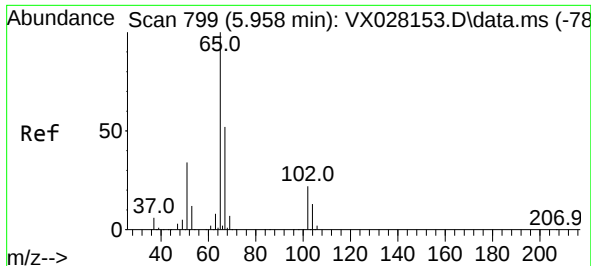
Ion Ratio Lower Upper

56 100

69 159.7 26.7 40.1#

84 142.9 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 54.661 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028378.D

Acq: 27 Apr 2022 15:10

Instrument :

MSVOA_X

ClientSampleId :

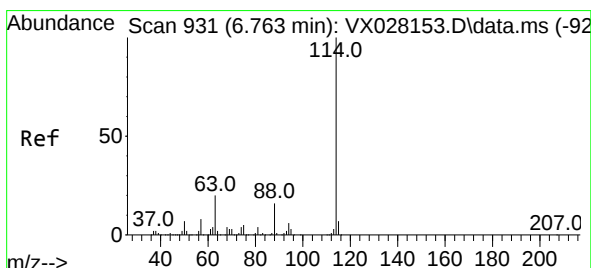
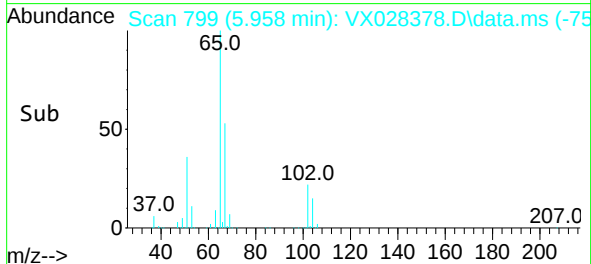
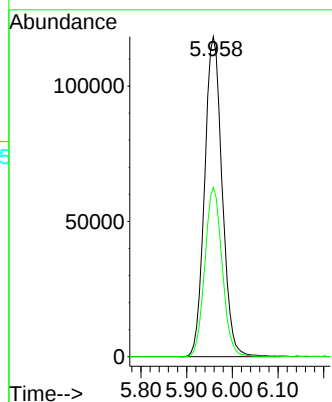
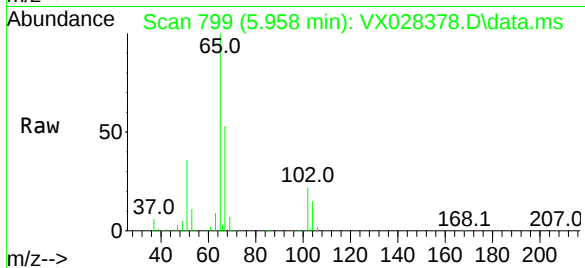
PB144400ZHE#03

Tgt Ion: 65 Resp: 314990

Ion Ratio Lower Upper

65 100

67 52.2 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: VX028378.D

Acq: 27 Apr 2022 15:10

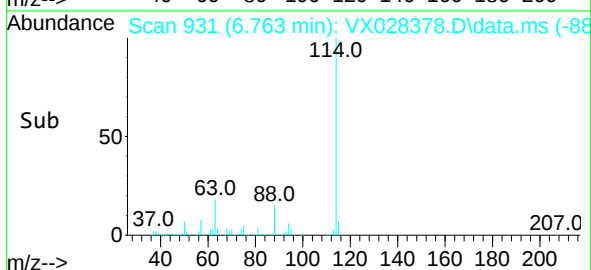
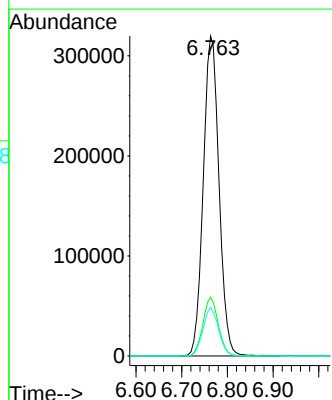
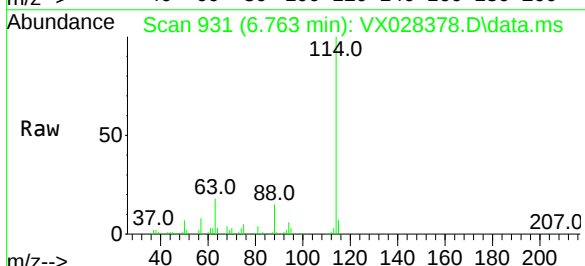
Tgt Ion: 114 Resp: 763467

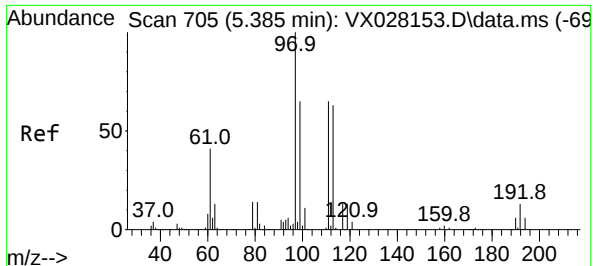
Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.8

88 15.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 53.664 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX028378.D

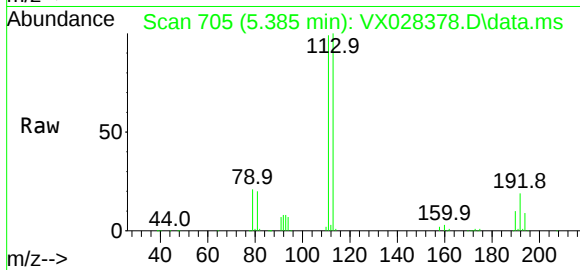
Acq: 27 Apr 2022 15:10

Instrument :

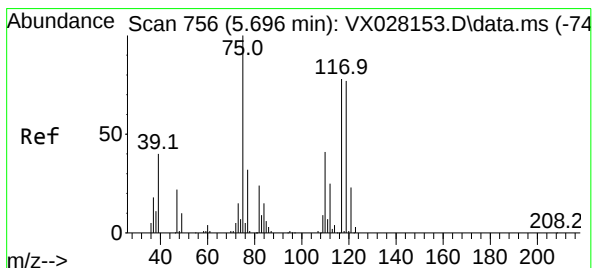
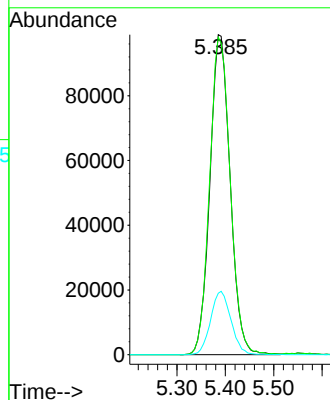
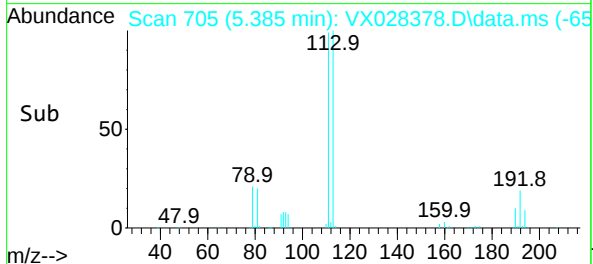
MSVOA_X

ClientSampleId :

PB144400ZHE#03



Tgt Ion:	113	Resp:	287324
Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.8	124.2
192	20.0	16.9	25.3



#36

1,1-Dichloropropene

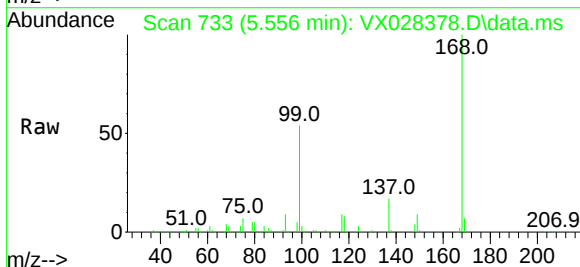
Concen: 4.502 ug/l

RT: 5.556 min Scan# 733

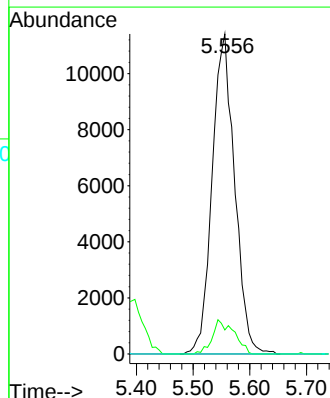
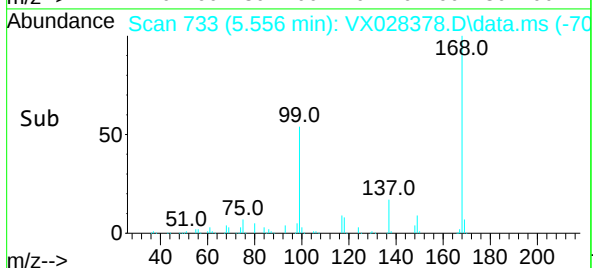
Delta R.T. -0.140 min

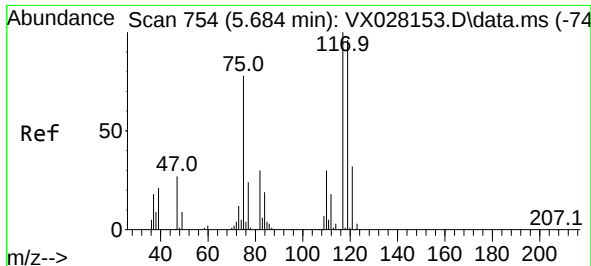
Lab File: VX028378.D

Acq: 27 Apr 2022 15:10



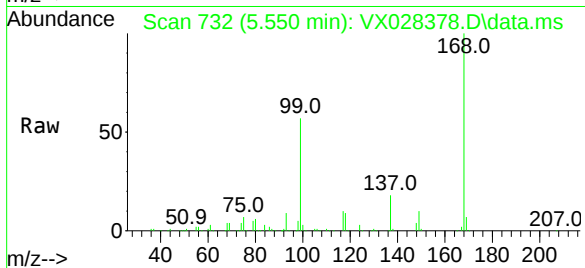
Tgt Ion:	75	Resp:	31440
Ion	Ratio	Lower	Upper
75	100		
110	10.3	18.3	54.8#
77	0.0	24.8	37.2#



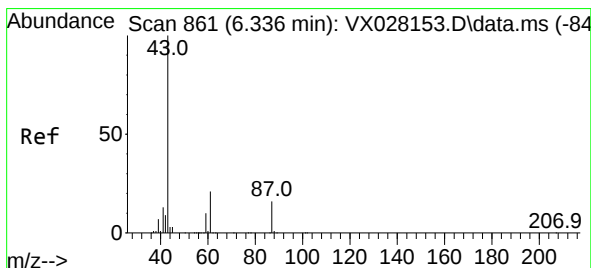
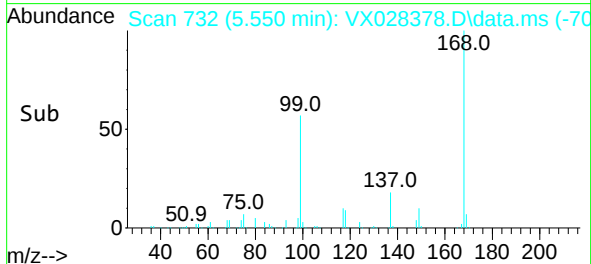
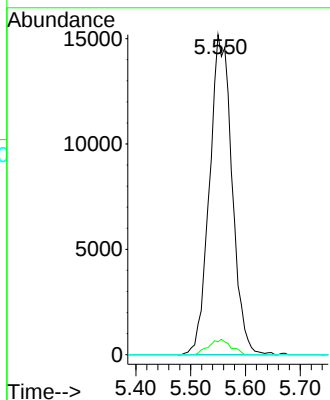


#38
Carbon Tetrachloride
Concen: 5.485 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX028378.D
Acq: 27 Apr 2022 15:10

Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#03

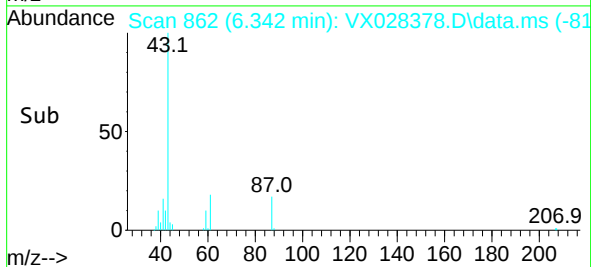
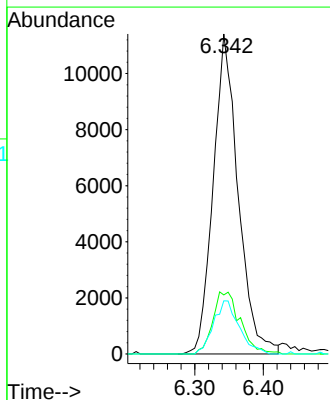
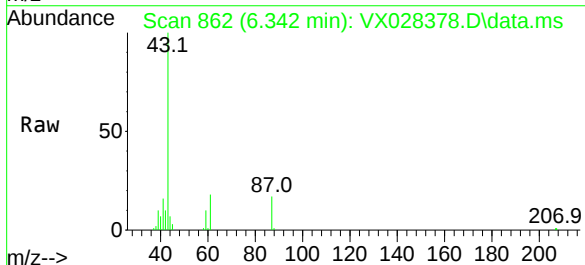


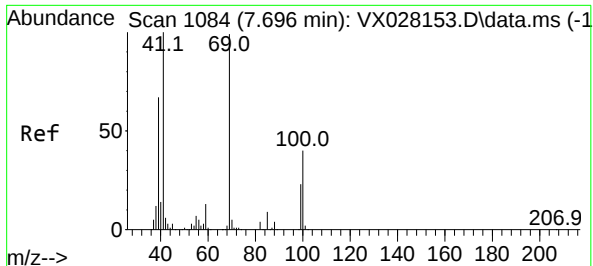
Tgt Ion:117 Resp: 43244
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.498 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028378.D
Acq: 27 Apr 2022 15:10

Tgt Ion: 43 Resp: 28806
Ion Ratio Lower Upper
43 100
61 21.3 18.5 27.7
87 17.1 13.0 19.6





#48

Methyl methacrylate

Concen: 1.385 ug/l

RT: 7.598 min Scan# 1100

Delta R.T. -0.098 min

Lab File: VX028378.D

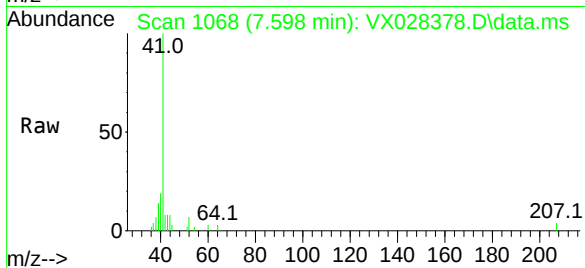
Acq: 27 Apr 2022 15:10

Instrument :

MSVOA_X

ClientSampleId :

PB144400ZHE#03



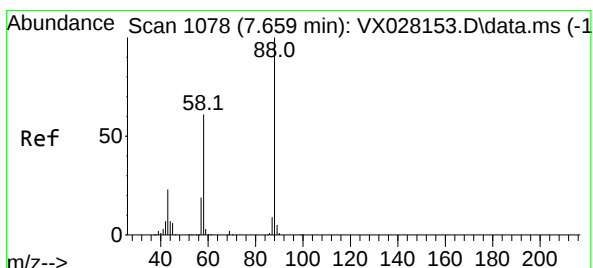
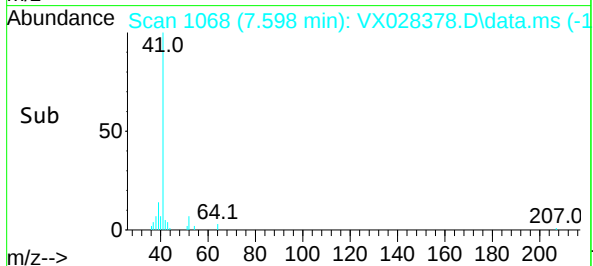
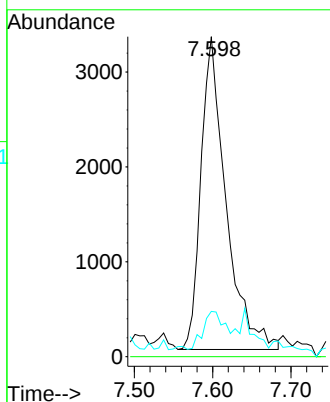
Tgt Ion: 41 Resp: 7333

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: 1.906 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.134 min

Lab File: VX028378.D

Acq: 27 Apr 2022 15:10

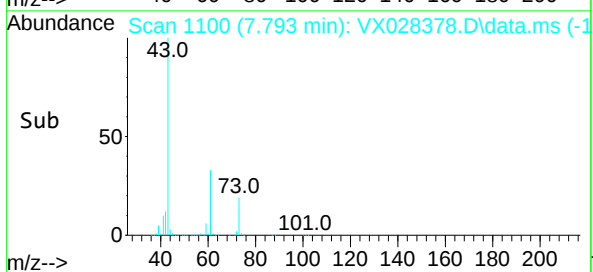
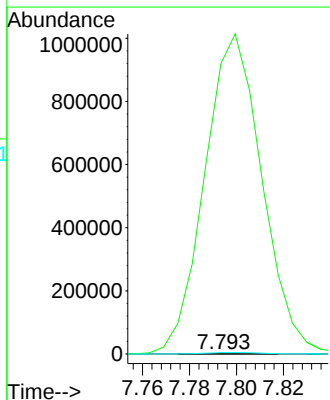
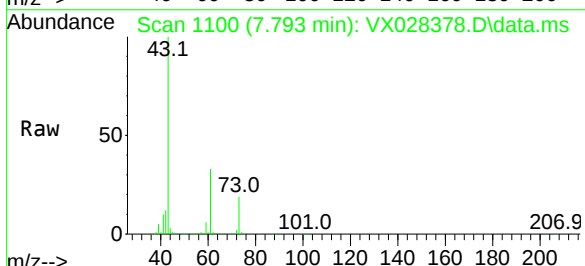
Tgt Ion: 88 Resp: 270

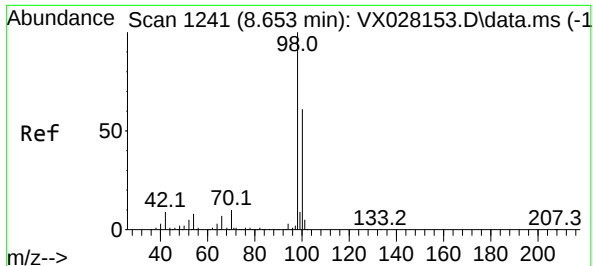
Ion Ratio Lower Upper

88 100

43 642347.8 21.9 32.9#

58 2935.2 53.7 80.5#

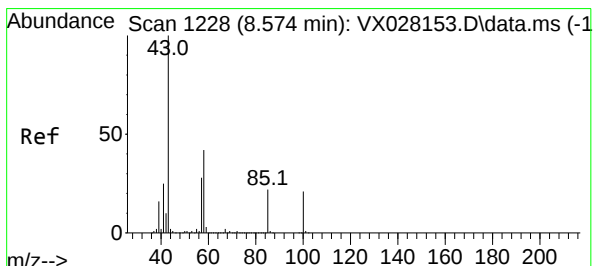
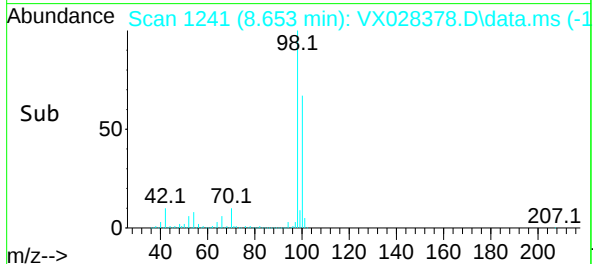
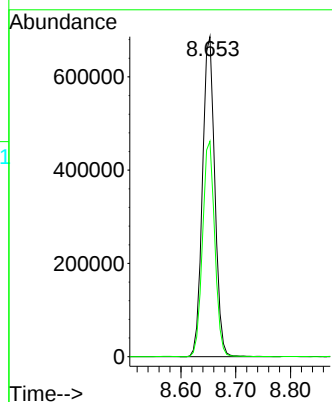
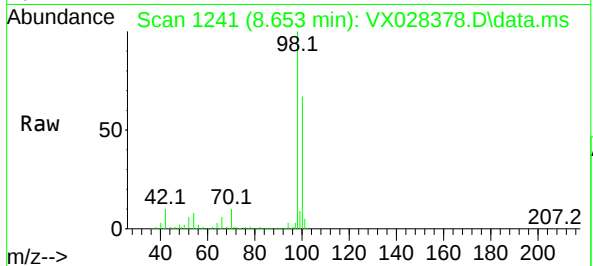




#50
Toluene-d8
Concen: 52.117 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028378.D
Acq: 27 Apr 2022 15:10

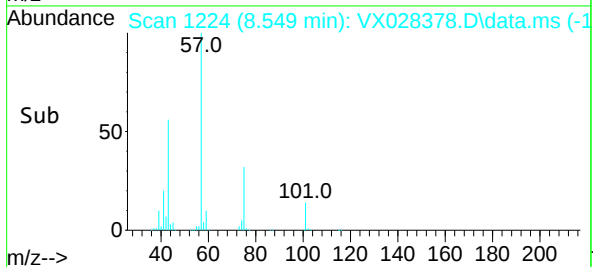
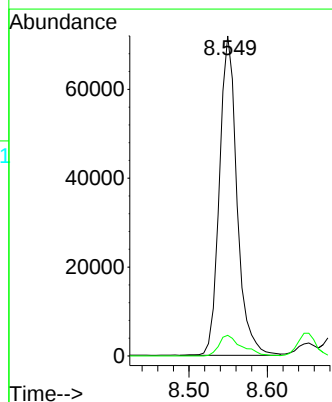
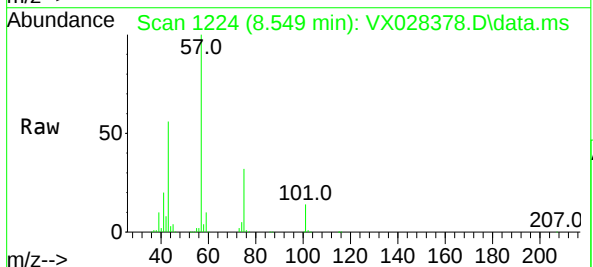
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#03

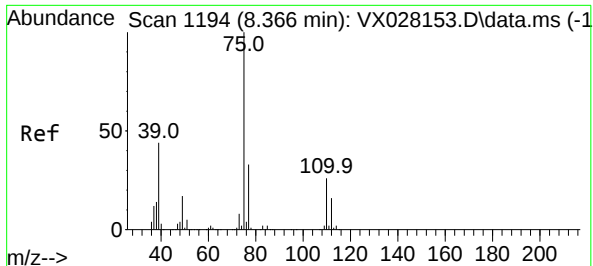
Tgt Ion: 98 Resp: 1071734
Ion Ratio Lower Upper
98 100
100 66.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 15.177 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028378.D
Acq: 27 Apr 2022 15:10

Tgt Ion: 43 Resp: 112325
Ion Ratio Lower Upper
43 100
58 8.4 36.1 54.1#

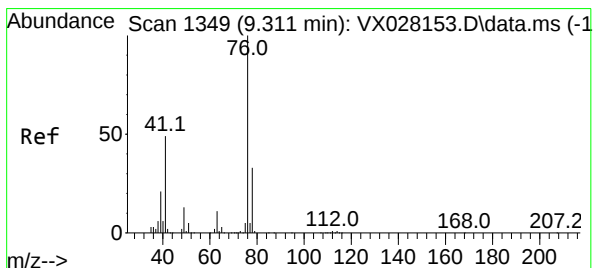
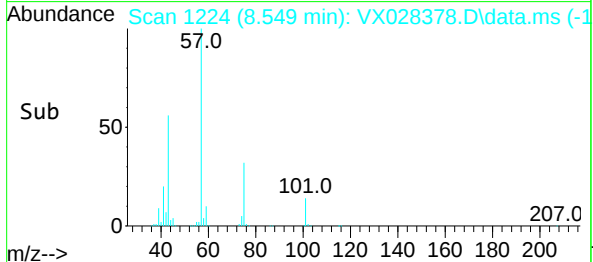
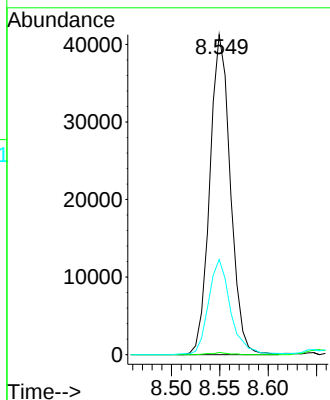
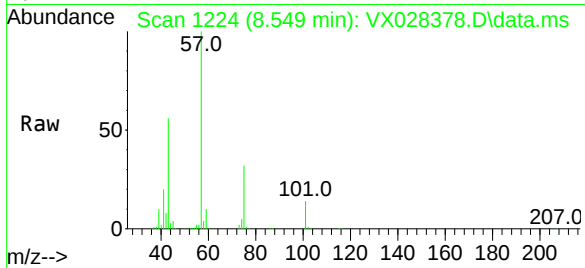




#54
 cis-1,3-Dichloropropene
 Concen: 7.099 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028378.D
 Acq: 27 Apr 2022 15:10

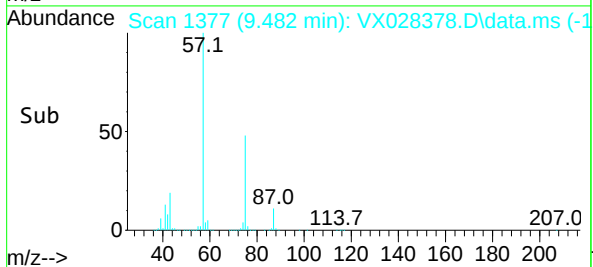
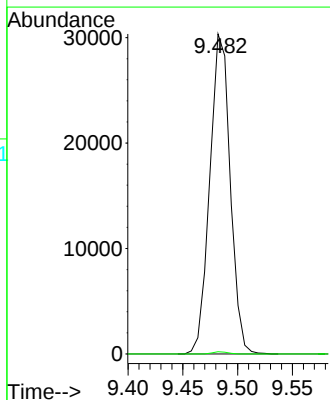
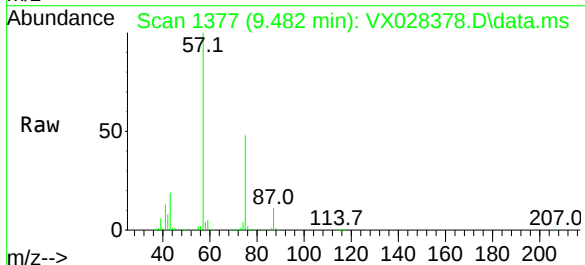
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144400ZHE#03

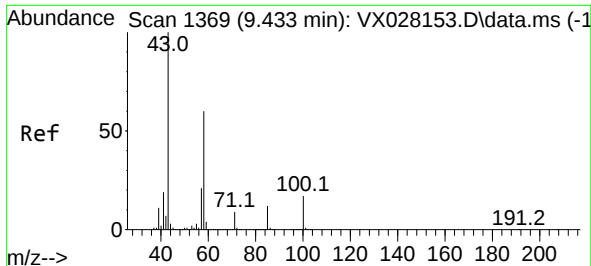
Tgt Ion: 75 Resp: 61121
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.8 37.2#
 39 29.6 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 4.227 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028378.D
 Acq: 27 Apr 2022 15:10

Tgt Ion: 76 Resp: 39372
 Ion Ratio Lower Upper
 76 100
 78 0.5 25.8 38.8#





#59

2-Hexanone

Concen: 76.649 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX028378.D

Acq: 27 Apr 2022 15:10

Instrument :

MSVOA_X

ClientSampleId :

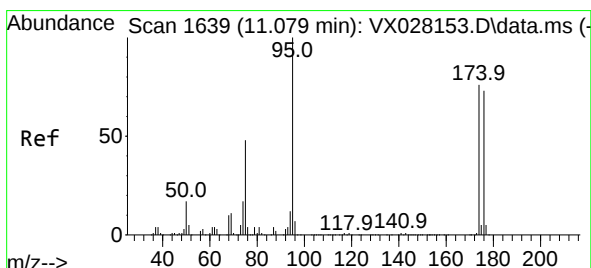
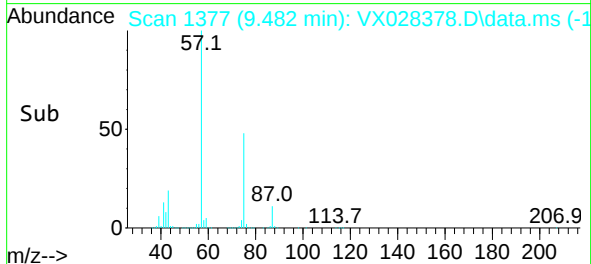
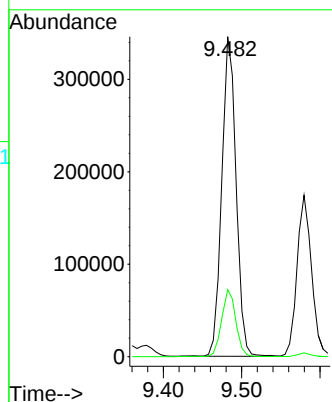
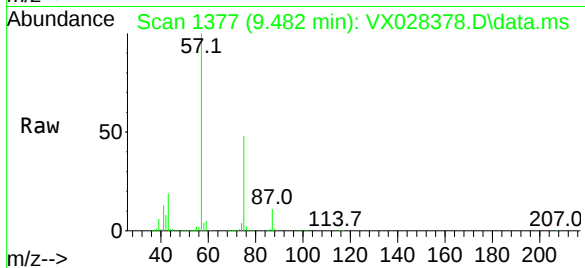
PB144400ZHE#03

Tgt Ion: 43 Resp: 439430

Ion Ratio Lower Upper

43 100

58 20.6 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 50.751 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028378.D

Acq: 27 Apr 2022 15:10

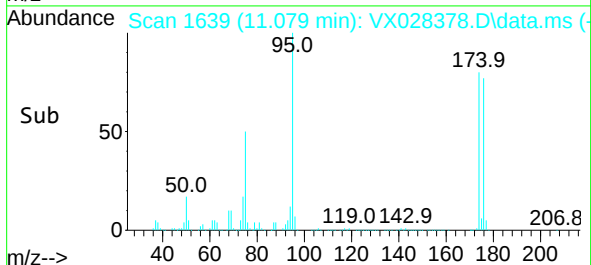
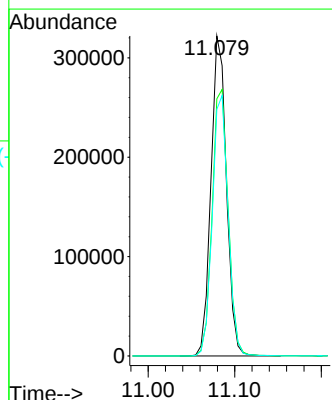
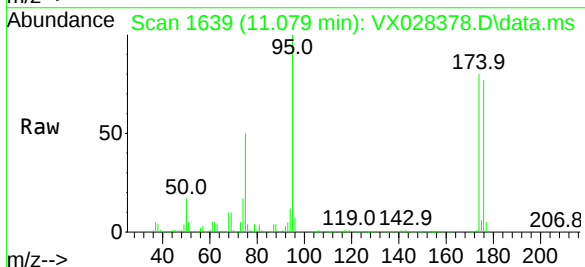
Tgt Ion: 95 Resp: 399046

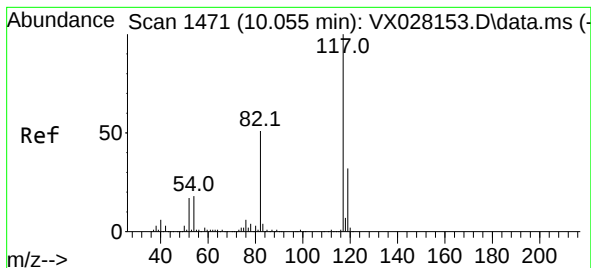
Ion Ratio Lower Upper

95 100

174 86.3 0.0 163.0

176 83.6 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: VX028378.D

Acq: 27 Apr 2022 15:10

Instrument :

MSVOA_X

ClientSampleId :

PB144400ZHE#03

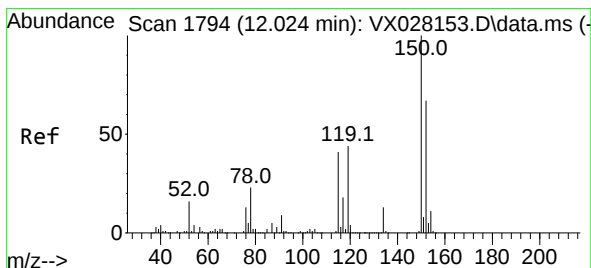
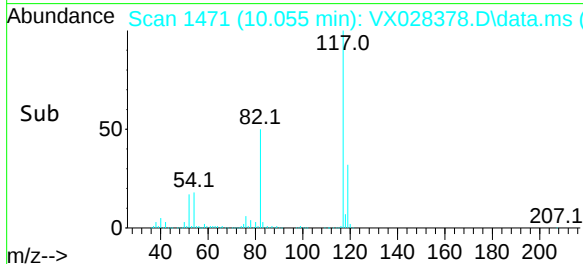
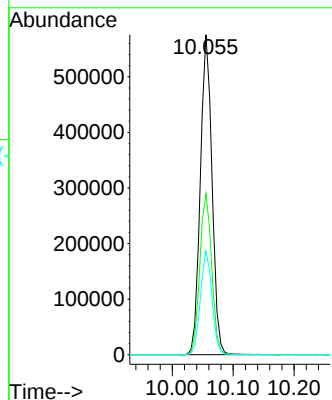
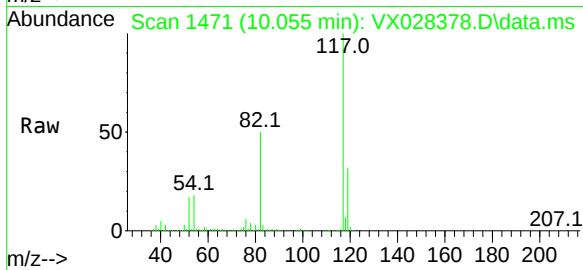
Tgt Ion:117 Resp: 767169

Ion Ratio Lower Upper

117 100

82 50.4 41.8 62.8

119 32.4 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: VX028378.D

Acq: 27 Apr 2022 15:10

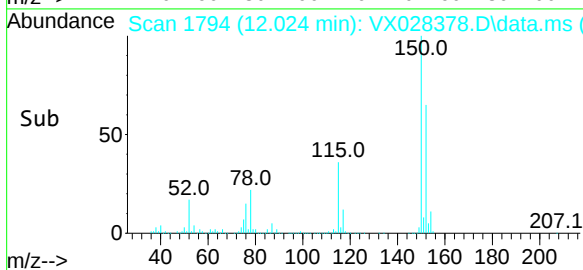
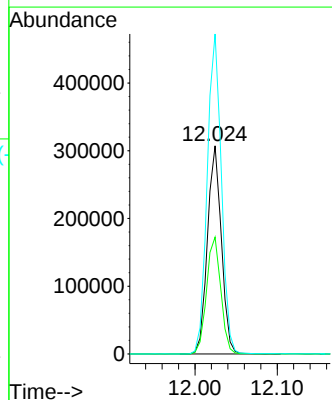
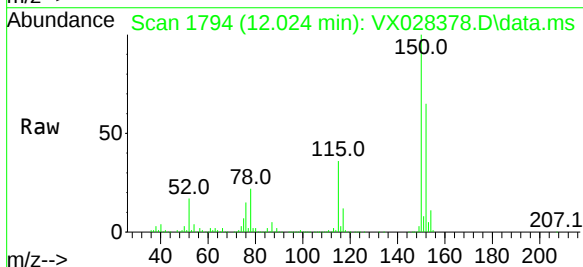
Tgt Ion:152 Resp: 362265

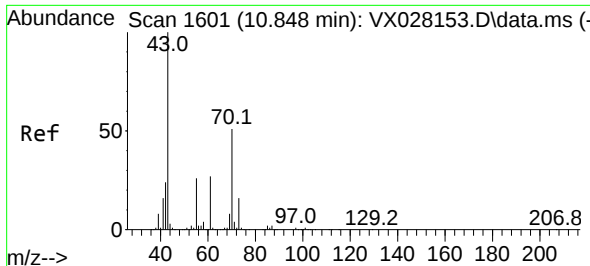
Ion Ratio Lower Upper

152 100

115 57.3 37.5 112.7

150 155.9 0.0 338.2

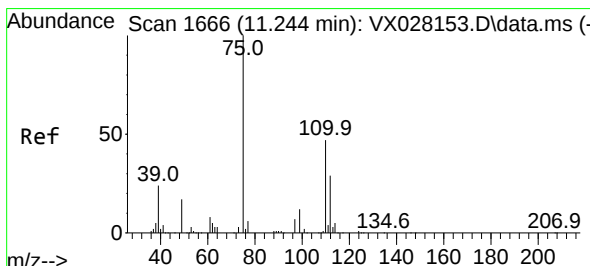
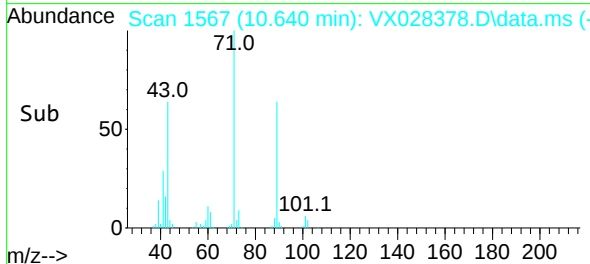
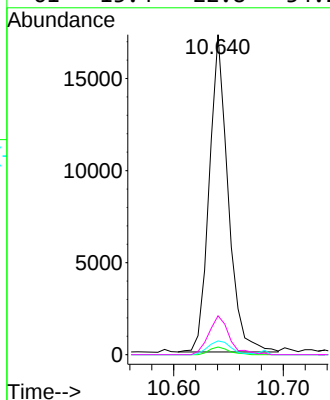
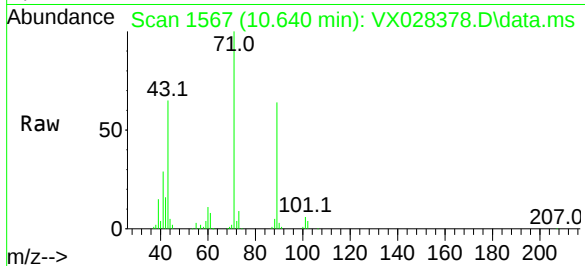




#74
N-amy1 acetate
Concen: 2.391 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.208 min
Lab File: VX028378.D
Acq: 27 Apr 2022 15:10

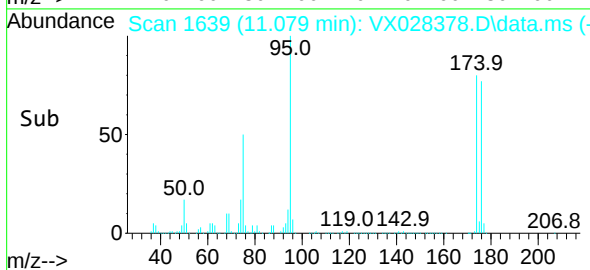
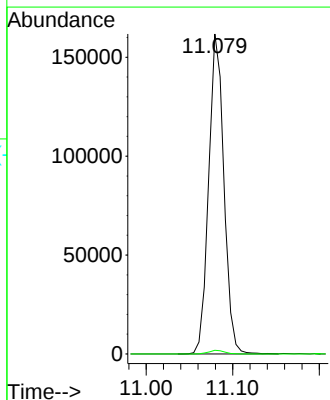
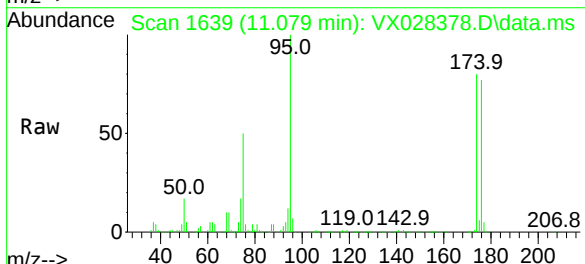
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#03

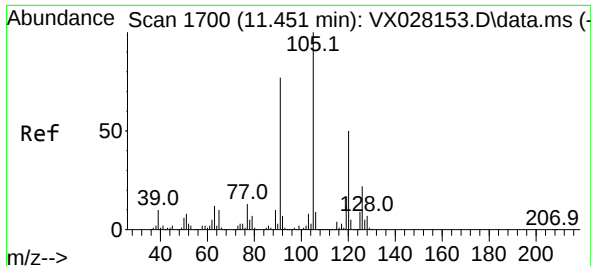
Tgt Ion:	43	Resp:	20575
Ion	Ratio	Lower	Upper
43	100		
70	2.5	42.5	63.7#
55	5.2	23.1	34.7#
61	13.4	22.8	34.2#



#76
1,2,3-Trichloropropane
Concen: 27.715 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028378.D
Acq: 27 Apr 2022 15:10

Tgt Ion:	75	Resp:	197595
Ion	Ratio	Lower	Upper
75	100		
77	1.2	19.4	58.2#

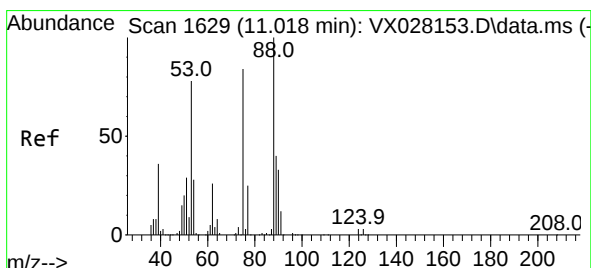
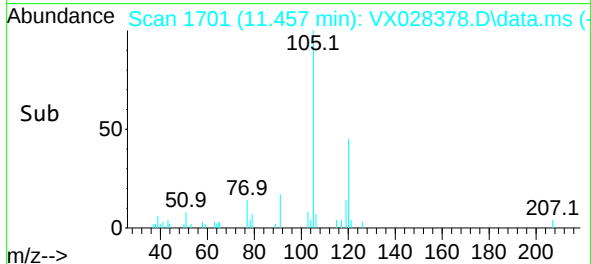
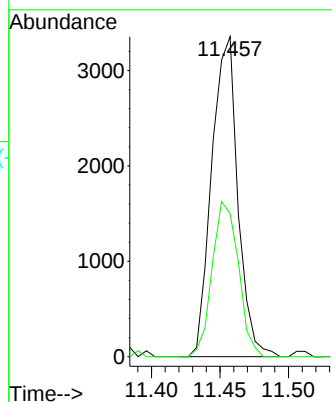
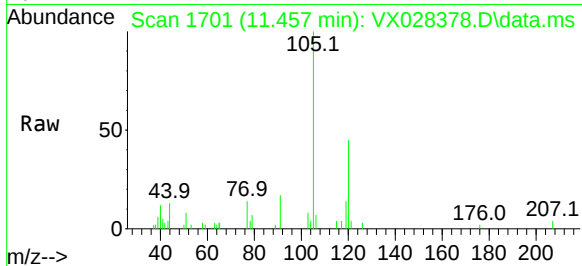




#80
1,3,5-Trimethylbenzene
Concen: 0.210 ug/l
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028378.D
Acq: 27 Apr 2022 15:10

Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#03

Tgt Ion:105 Resp: 4445
Ion Ratio Lower Upper
105 100
120 48.7 24.3 72.9



#81
trans-1,4-Dichloro-2-butene
Concen: 82.361 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028378.D
Acq: 27 Apr 2022 15:10

Tgt Ion: 75 Resp: 197595
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

