

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042022\
 Data File : VX028226.D
 Acq On : 21 Apr 2022 03:25
 Operator : JC/MD
 Sample : PB144231ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144231ZHE#08

Quant Time: Apr 21 06:22:24 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)

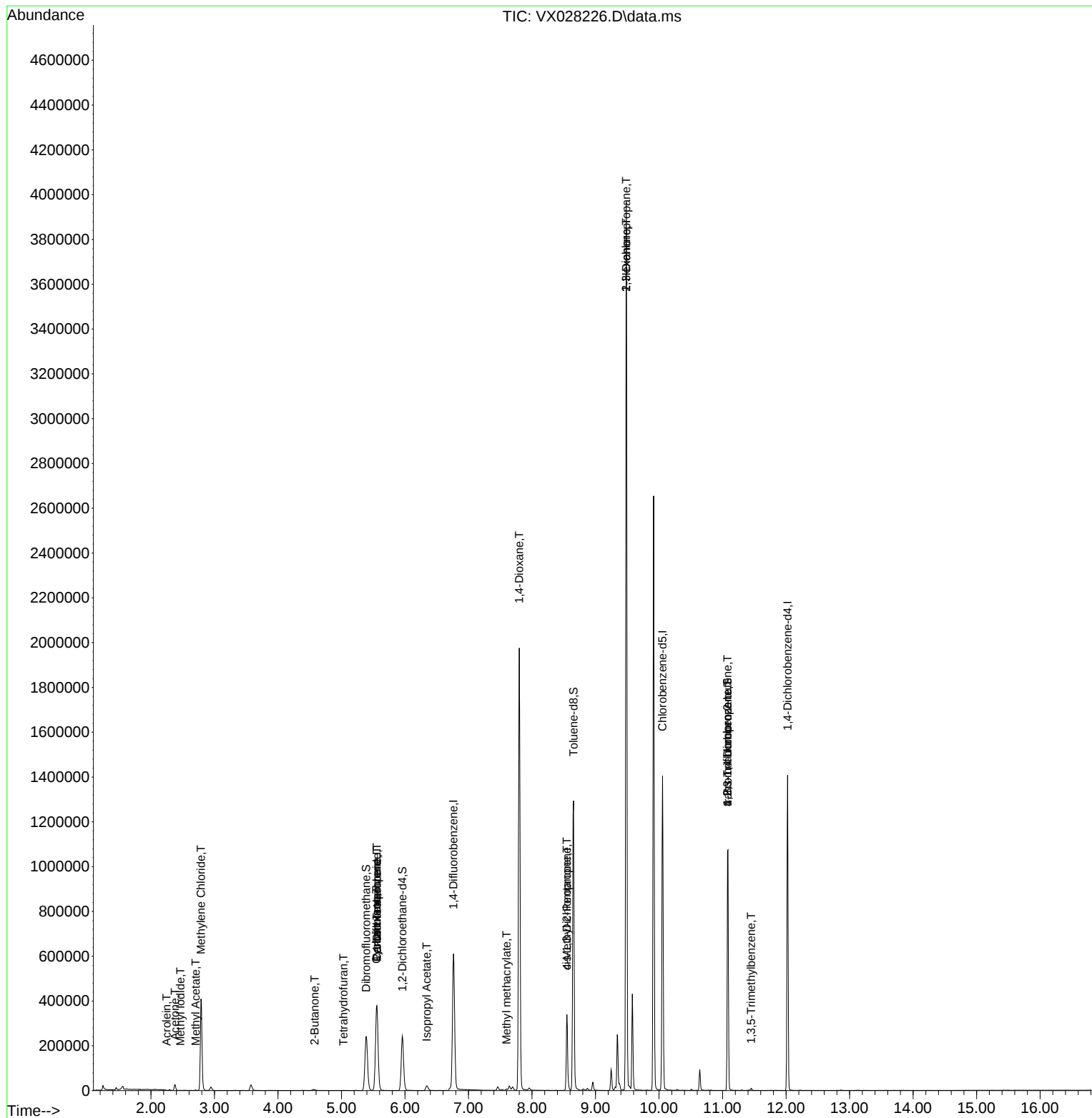
Internal Standards						
1) Pentafluorobenzene	5.556	168	372937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	646789	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	654788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	291237	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	230824	47.469	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.940%		
35) Dibromofluoromethane	5.385	113	212148	46.771	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.540%		
50) Toluene-d8	8.653	98	783471	44.972	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	89.940%		
62) 4-Bromofluorobenzene	11.079	95	287407	43.146	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	86.300%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	340	Below Cal	#	79
5) Bromomethane	1.618	94	802	Below Cal	#	80
6) Chloroethane	1.660	64	148	Below Cal	#	43
10) Methyl Iodide	2.465	142	291	5.298	ug/l #	80
11) Tert butyl alcohol	2.941	59	8225	Below Cal	#	77
13) Acrolein	2.245	56	253	0.425	ug/l #	58
16) Acetone	2.380	43	25788	16.057	ug/l	100
18) Methyl Acetate	2.703	43	2635	0.609	ug/l	95
20) Methylene Chloride	2.788	84	192223	53.277	ug/l	97
25) 2-Butanone	4.574	43	3765	1.307	ug/l	100
29) Tetrahydrofuran	5.032	42	432	0.230	ug/l #	44
31) Cyclohexane	5.550	56	7114	1.201	ug/l #	23
36) 1,1-Dichloropropene	5.556	75	27235	4.603	ug/l #	50
38) Carbon Tetrachloride	5.556	117	37446	5.606	ug/l #	15
43) Isopropyl Acetate	6.342	43	29104	2.979	ug/l	97
48) Methyl methacrylate	7.598	41	7411	1.652	ug/l #	7
49) 1,4-Dioxane	7.799	88	419	3.491	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	108803	17.353	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	57668	7.906	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	39022	4.945	ug/l #	43
59) 2-Hexanone	9.482	43	422521	86.995	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	142211	24.811	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	3988	0.235	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	142211	73.732	ug/l #	15

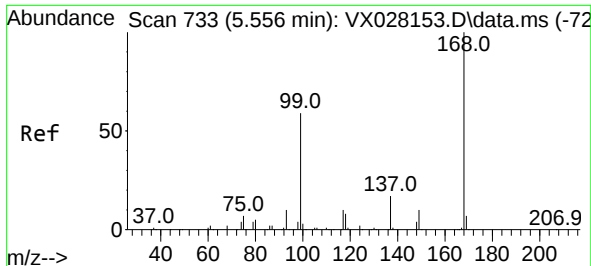
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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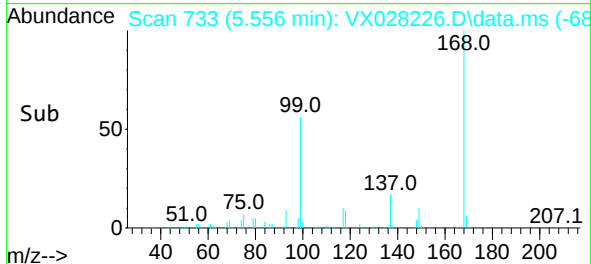
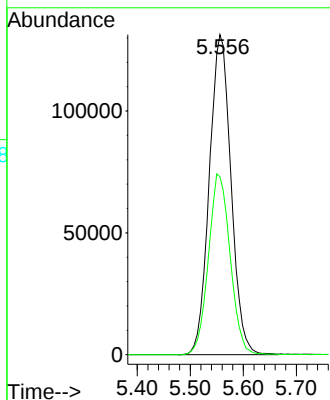
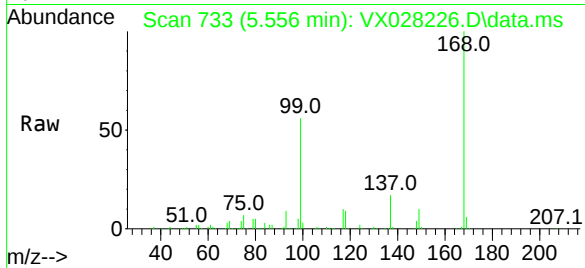




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028226.D
Acq: 21 Apr 2022 03:25

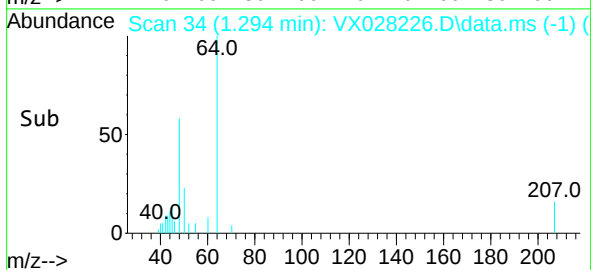
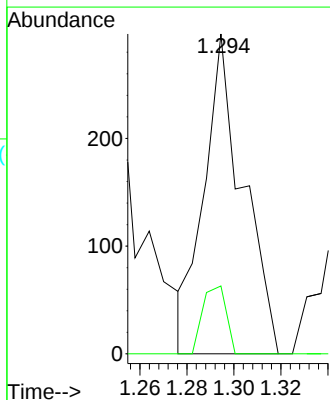
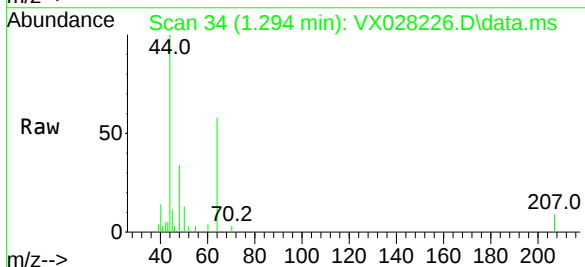
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#08

Tgt Ion:168 Resp: 372937
Ion Ratio Lower Upper
168 100
99 55.6 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028226.D
Acq: 21 Apr 2022 03:25

Tgt Ion: 50 Resp: 340
Ion Ratio Lower Upper
50 100
52 21.2 26.4 39.6#

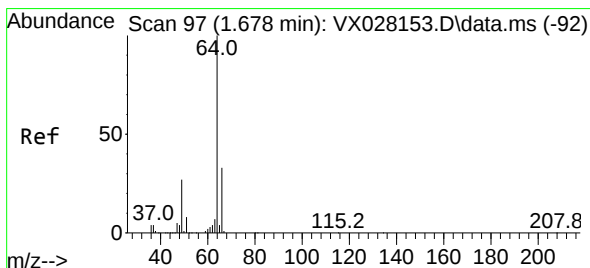
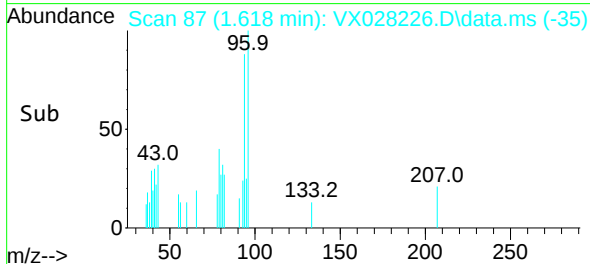
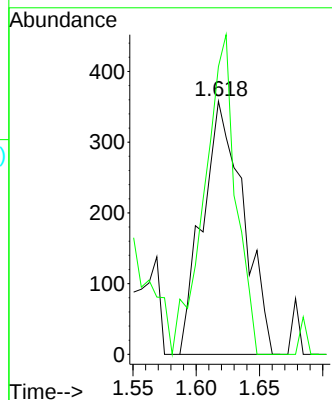
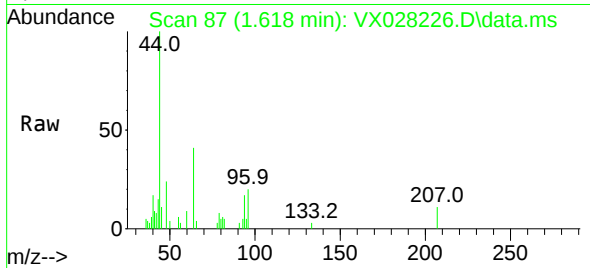




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028226.D
Acq: 21 Apr 2022 03:25

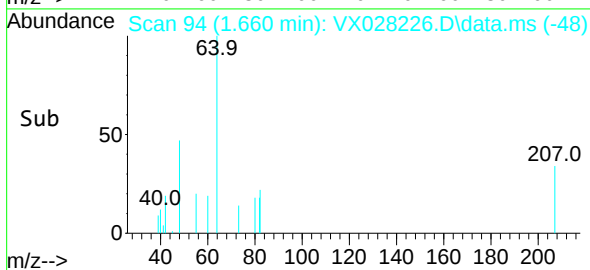
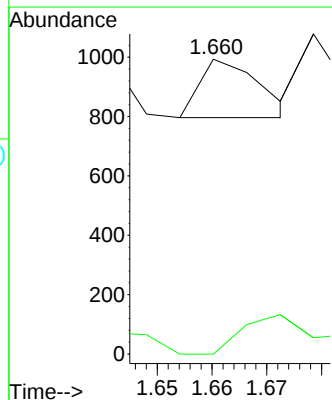
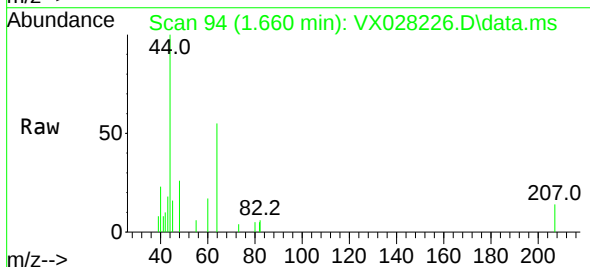
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#08

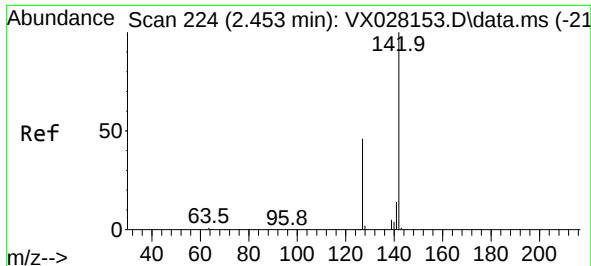
Tgt Ion: 94 Resp: 802
Ion Ratio Lower Upper
94 100
96 113.7 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX028226.D
Acq: 21 Apr 2022 03:25

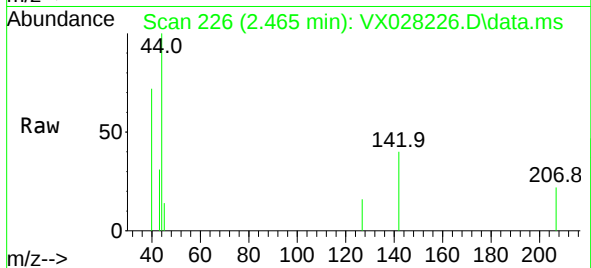
Tgt Ion: 64 Resp: 148
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



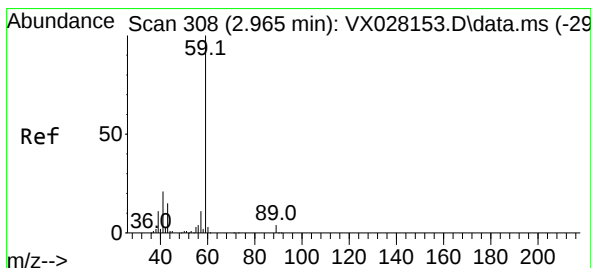
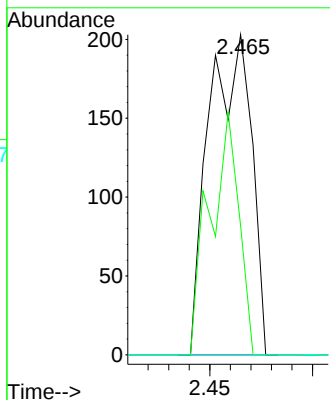
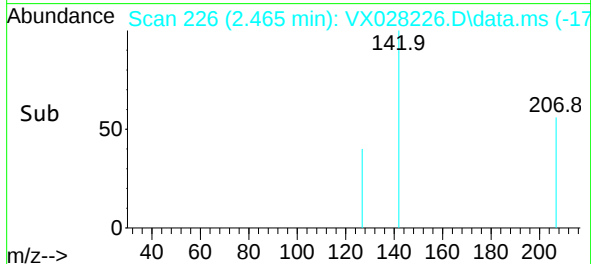


#10
Methyl Iodide
Concen: 5.298 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX028226.D
Acq: 21 Apr 2022 03:25

Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#08

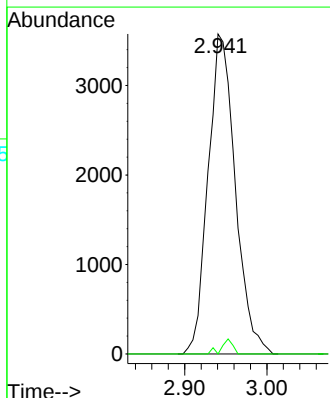
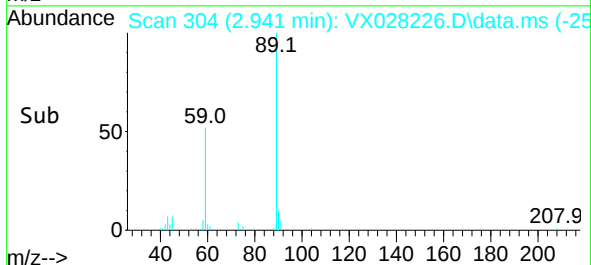
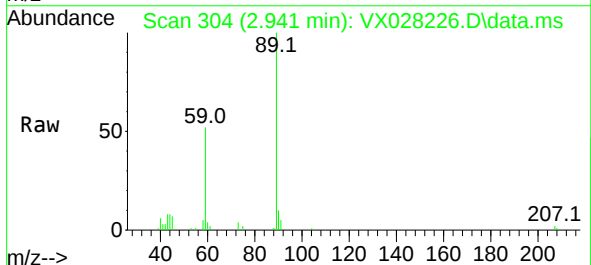


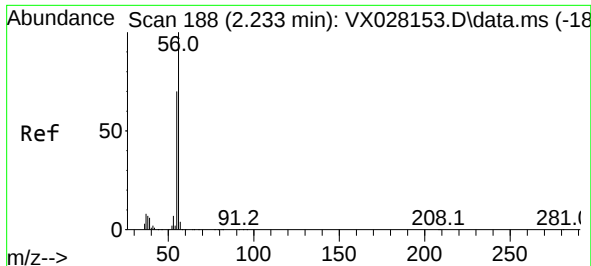
Tgt Ion:142 Resp: 291
Ion Ratio Lower Upper
142 100
127 52.2 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX028226.D
Acq: 21 Apr 2022 03:25

Tgt Ion: 59 Resp: 8225
Ion Ratio Lower Upper
59 100
57 1.9 8.3 12.5#

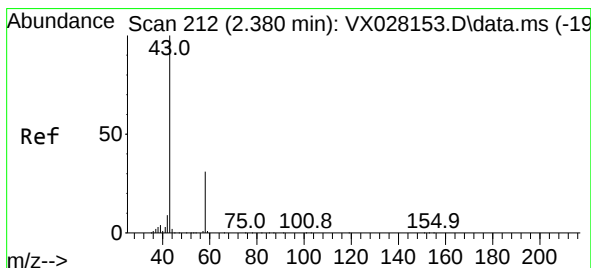
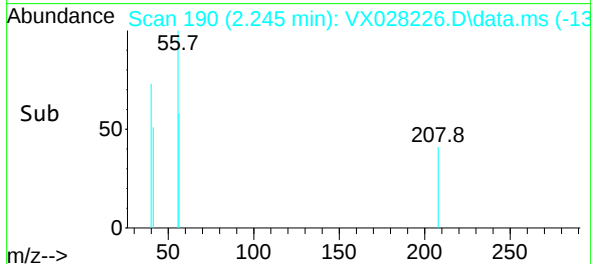
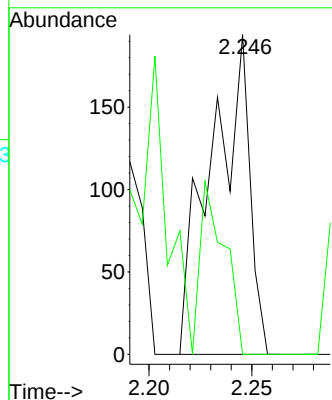
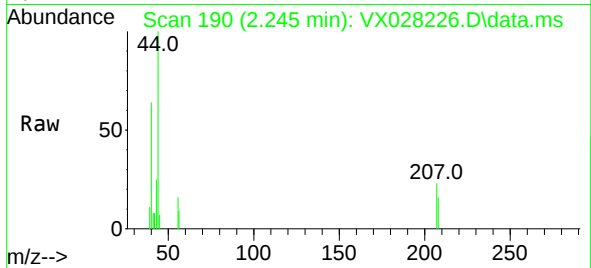




#13
Acrolein
Concen: 0.425 ug/l
RT: 2.245 min Scan# 19
Delta R.T. 0.012 min
Lab File: VX028226.D
Acq: 21 Apr 2022 03:25

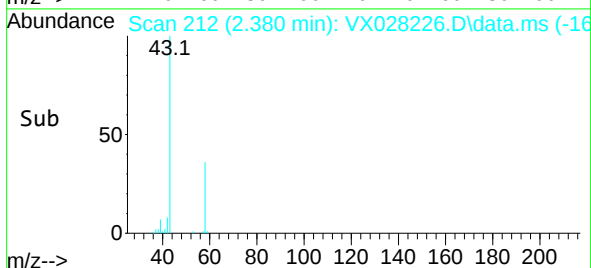
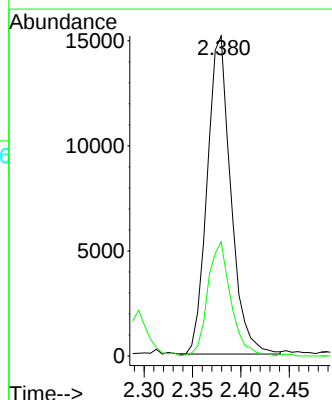
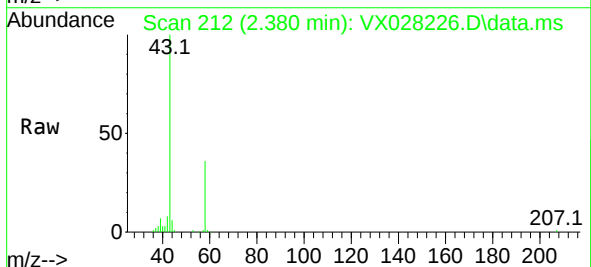
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#08

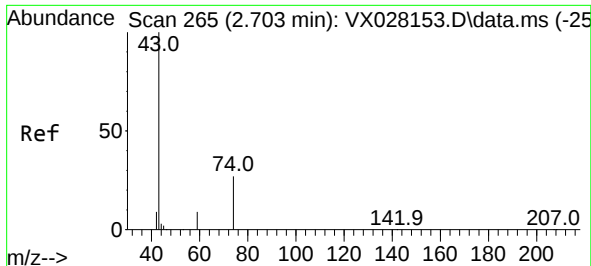
Tgt Ion: 56 Resp: 253
Ion Ratio Lower Upper
56 100
55 34.4 55.0 82.6#



#16
Acetone
Concen: 16.057 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028226.D
Acq: 21 Apr 2022 03:25

Tgt Ion: 43 Resp: 25788
Ion Ratio Lower Upper
43 100
58 35.9 28.8 43.2

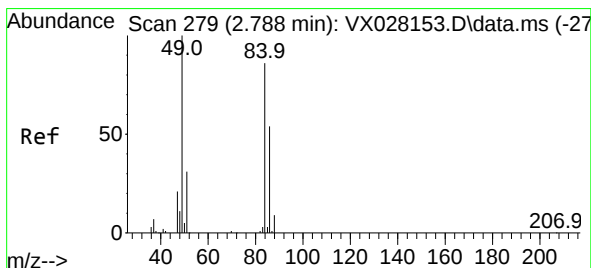
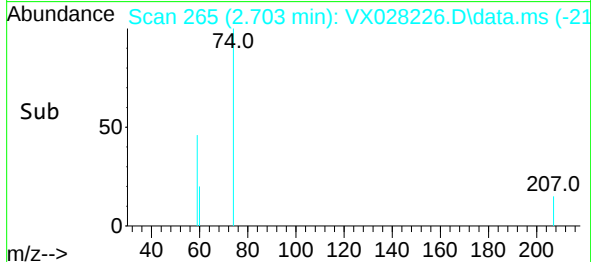
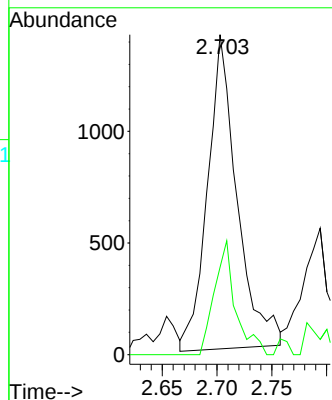
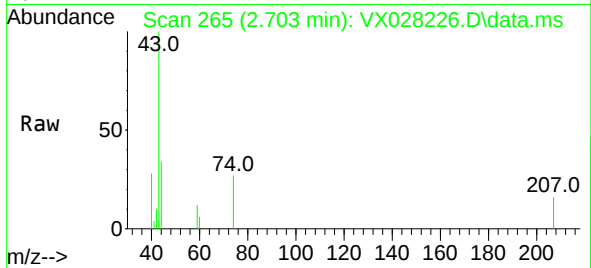




#18
Methyl Acetate
Concen: 0.609 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028226.D
Acq: 21 Apr 2022 03:25

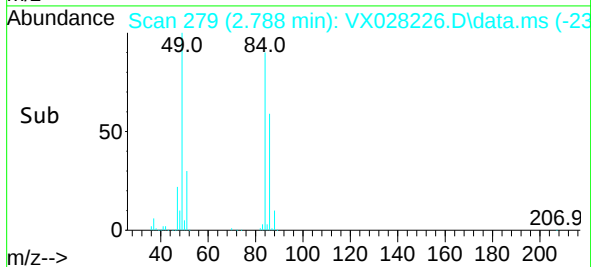
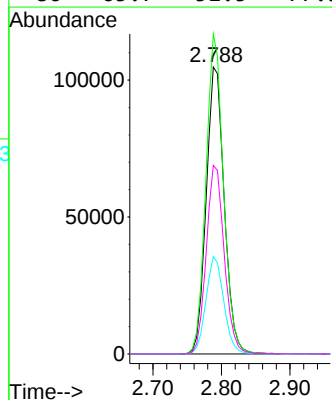
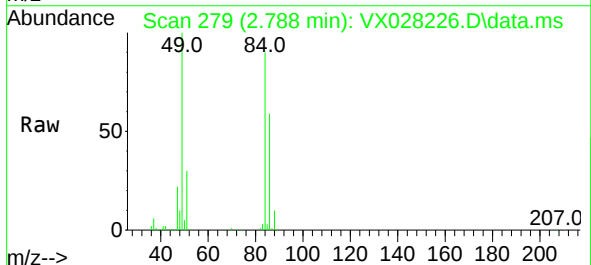
Instrument :
MSVOA_X
ClientSampleId :
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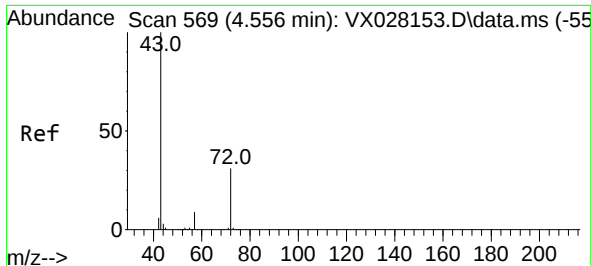
Tgt Ion: 43 Resp: 2635
Ion Ratio Lower Upper
43 100
74 26.0 22.8 34.2



#20
Methylene Chloride
Concen: 53.277 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028226.D
Acq: 21 Apr 2022 03:25

Tgt Ion: 84 Resp: 192223
Ion Ratio Lower Upper
84 100
49 111.5 85.5 128.3
51 33.9 26.6 39.8
86 65.7 51.5 77.3





#25

2-Butanone

Concen: 1.307 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX028226.D

Acq: 21 Apr 2022 03:25

Instrument :

MSVOA_X

ClientSampleId :

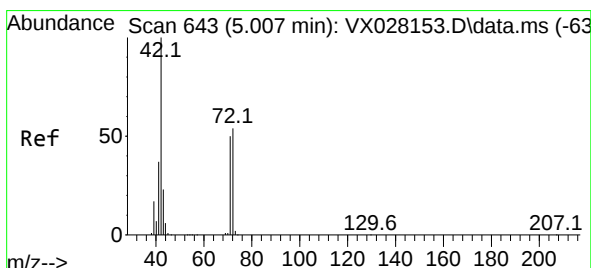
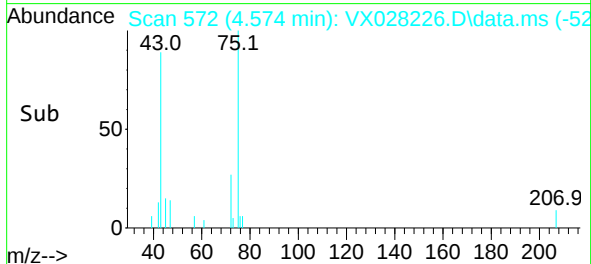
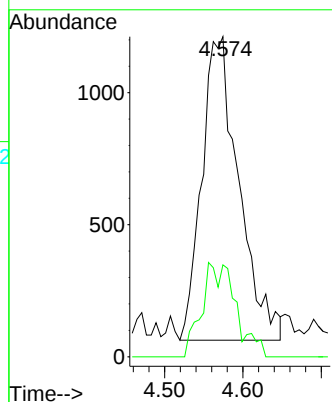
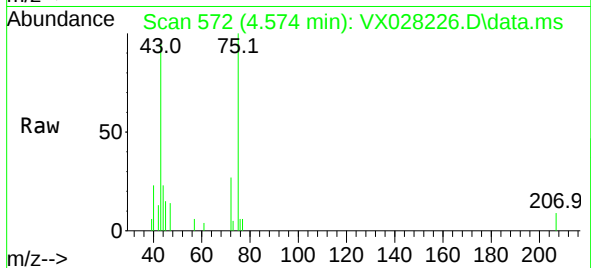
PB144231ZHE#08

Tgt Ion: 43 Resp: 3765

Ion Ratio Lower Upper

43 100

72 30.3 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.230 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.025 min

Lab File: VX028226.D

Acq: 21 Apr 2022 03:25

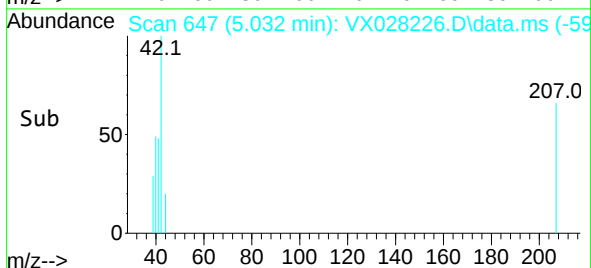
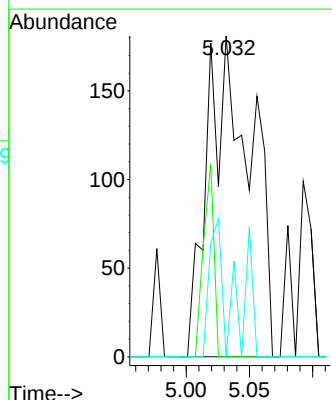
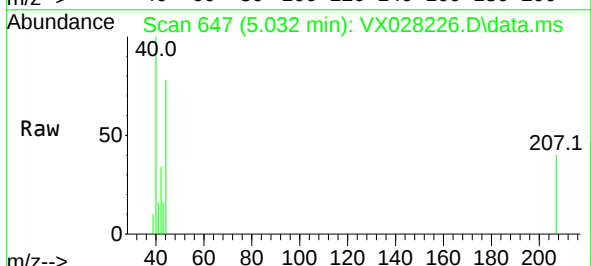
Tgt Ion: 42 Resp: 432

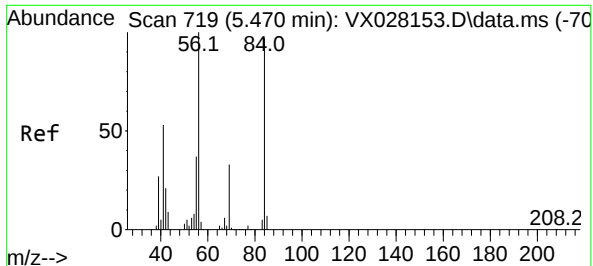
Ion Ratio Lower Upper

42 100

72 14.6 44.1 66.1#

71 12.0 40.5 60.7#

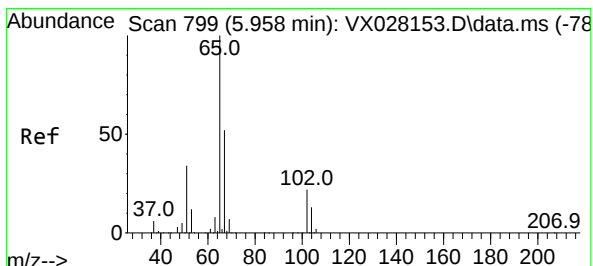
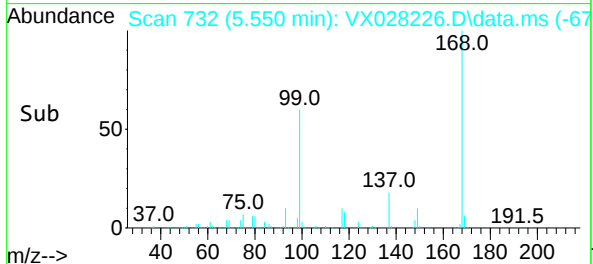
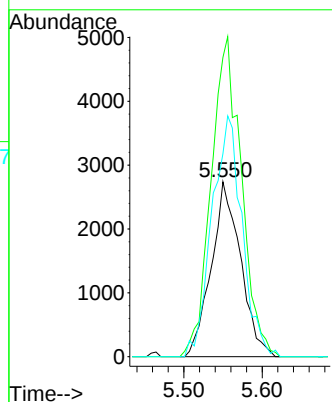
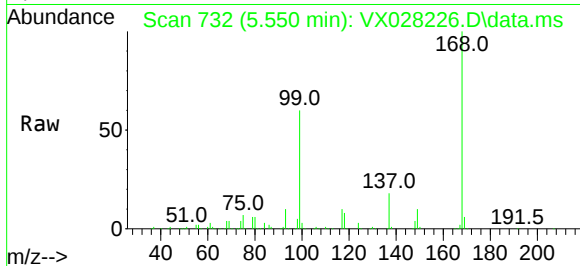




#31
Cyclohexane
Concen: 1.201 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX028226.D
Acq: 21 Apr 2022 03:25

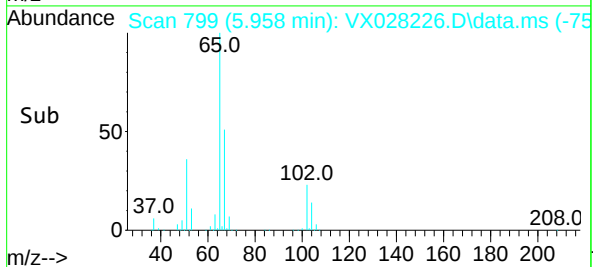
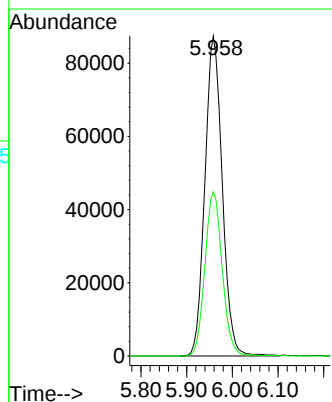
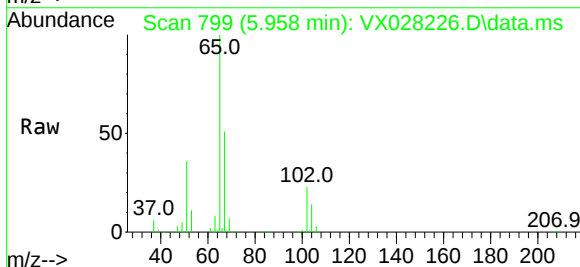
Instrument :
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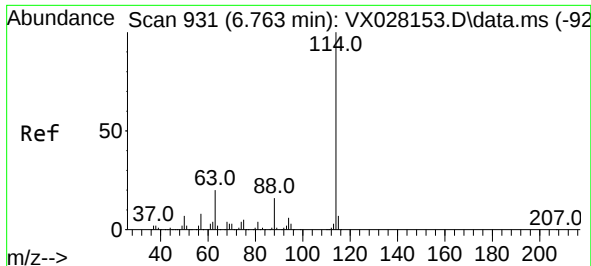
Tgt Ion: 56 Resp: 7114
Ion Ratio Lower Upper
56 100
69 171.1 26.7 40.1#
84 116.0 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 47.469 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028226.D
Acq: 21 Apr 2022 03:25

Tgt Ion: 65 Resp: 230824
Ion Ratio Lower Upper
65 100
67 51.0 0.0 107.4

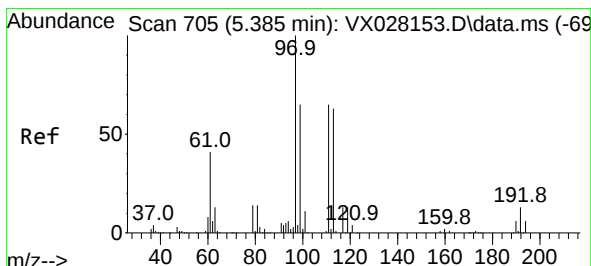
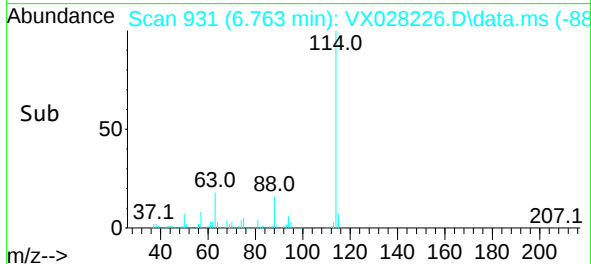
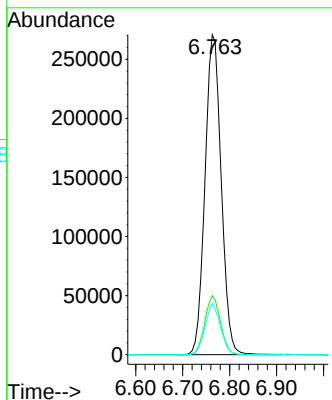
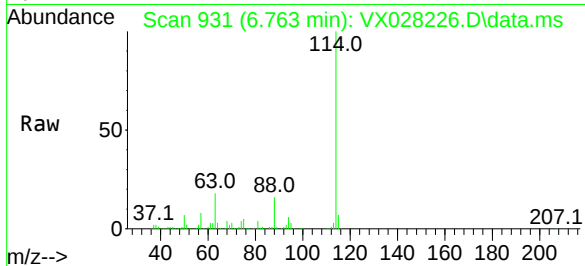




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028226.D
Acq: 21 Apr 2022 03:25

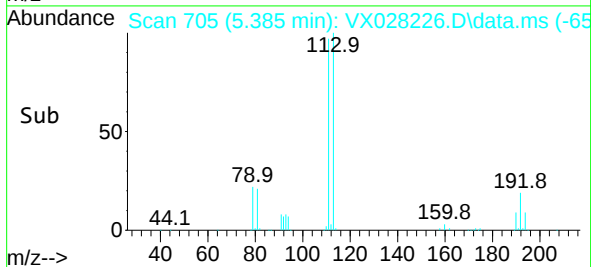
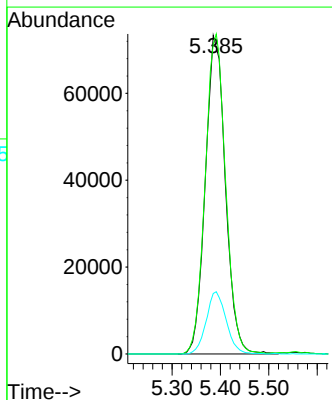
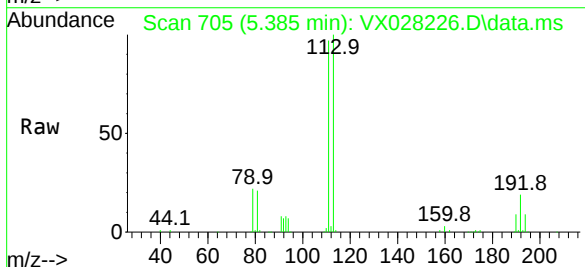
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#08

Tgt Ion:114 Resp: 646789
Ion Ratio Lower Upper
114 100
63 18.4 0.0 36.8
88 16.0 0.0 32.4



#35
Dibromofluoromethane
Concen: 46.771 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX028226.D
Acq: 21 Apr 2022 03:25

Tgt Ion:113 Resp: 212148
Ion Ratio Lower Upper
113 100
111 102.0 82.8 124.2
192 19.4 16.9 25.3

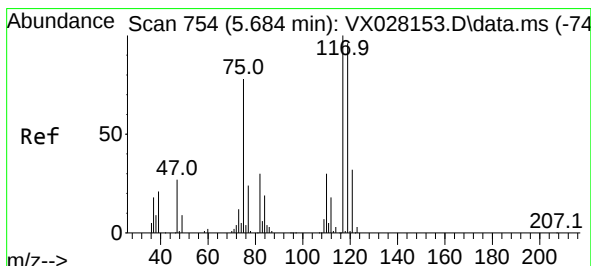
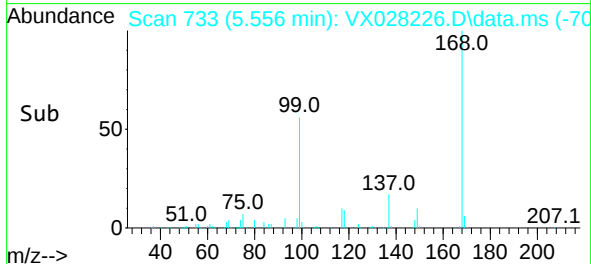
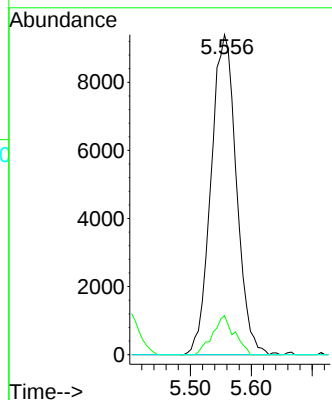
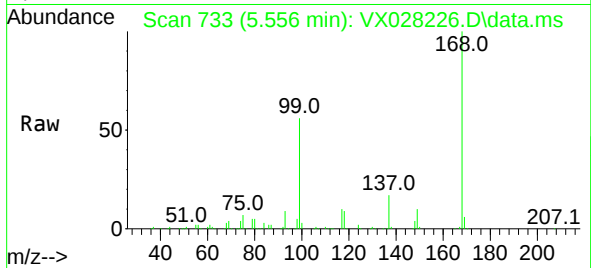




#36
1,1-Dichloropropene
Concen: 4.603 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX028226.D
Acq: 21 Apr 2022 03:25

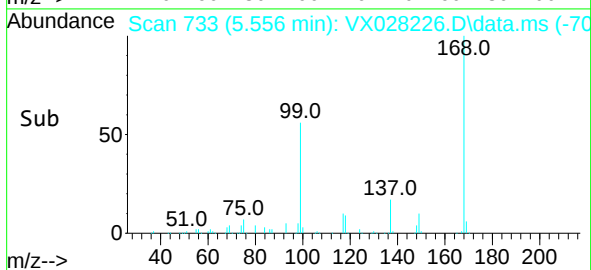
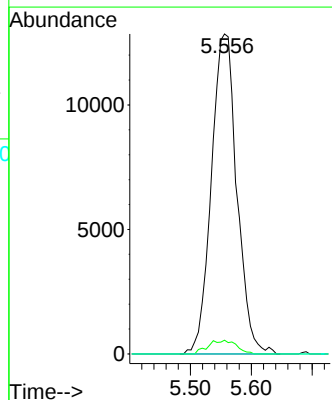
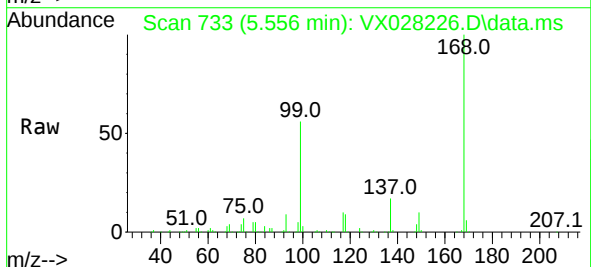
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#08

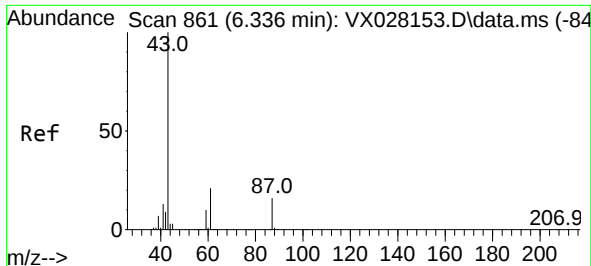
Tgt Ion: 75 Resp: 27235
Ion Ratio Lower Upper
75 100
110 10.4 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.606 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028226.D
Acq: 21 Apr 2022 03:25

Tgt Ion: 117 Resp: 37446
Ion Ratio Lower Upper
117 100
119 4.3 77.3 115.9#
121 0.0 24.2 36.2#

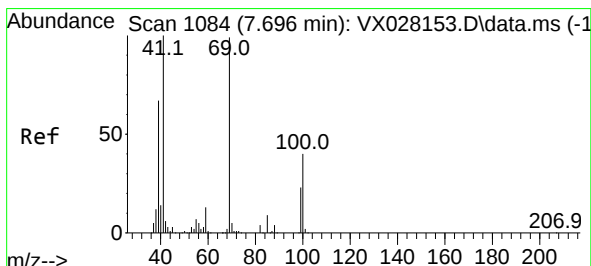
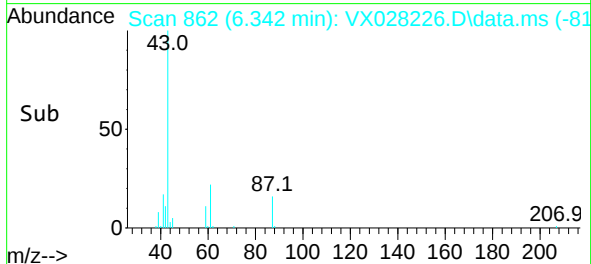
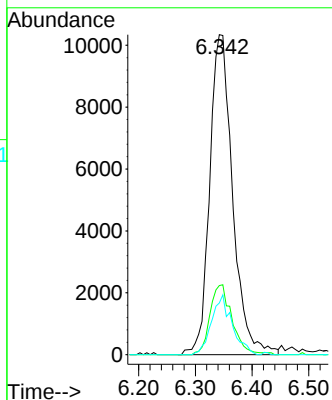
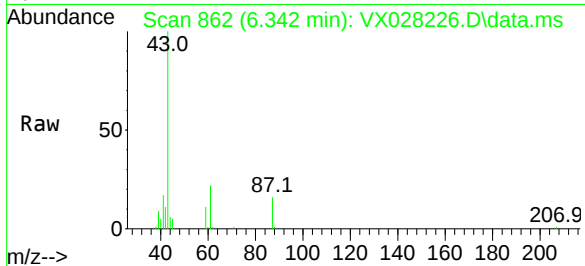




#43
Isopropyl Acetate
Concen: 2.979 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX028226.D
Acq: 21 Apr 2022 03:25

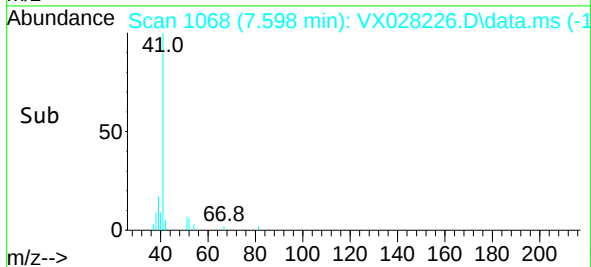
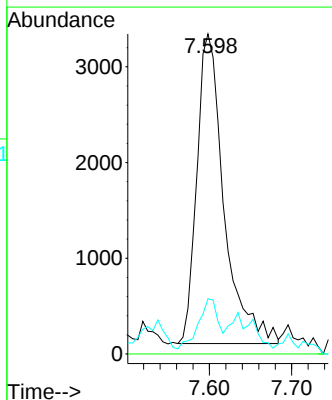
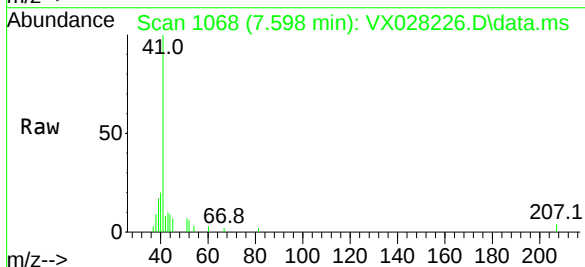
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#08

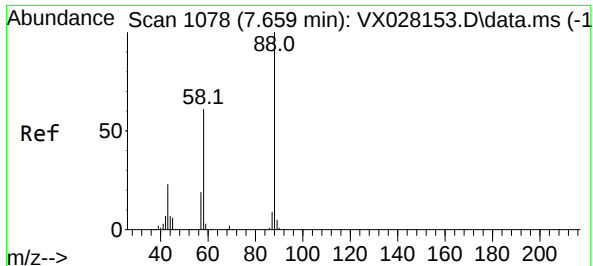
Tgt Ion: 43 Resp: 29104
Ion Ratio Lower Upper
43 100
61 20.8 18.5 27.7
87 16.7 13.0 19.6



#48
Methyl methacrylate
Concen: 1.652 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028226.D
Acq: 21 Apr 2022 03:25

Tgt Ion: 41 Resp: 7411
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: 3.491 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX028226.D

Acq: 21 Apr 2022 03:25

Instrument :

MSVOA_X

ClientSampleId :

PB144231ZHE#08

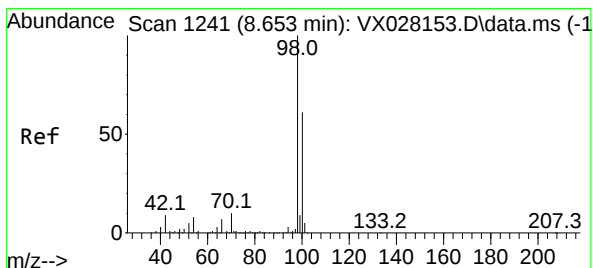
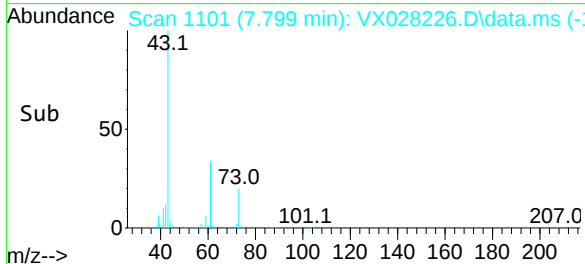
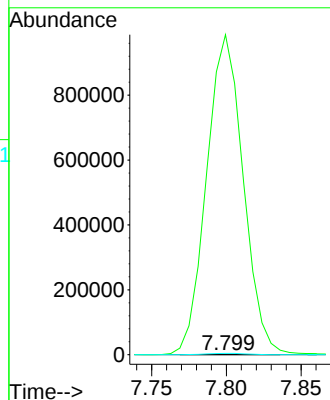
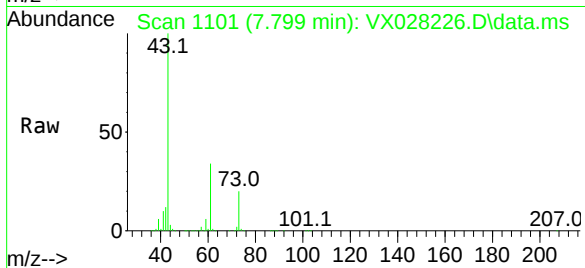
Tgt Ion: 88 Resp: 419

Ion Ratio Lower Upper

88 100

43 403216.9 21.9 32.9#

58 1854.2 53.7 80.5#



#50

Toluene-d8

Concen: 44.972 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028226.D

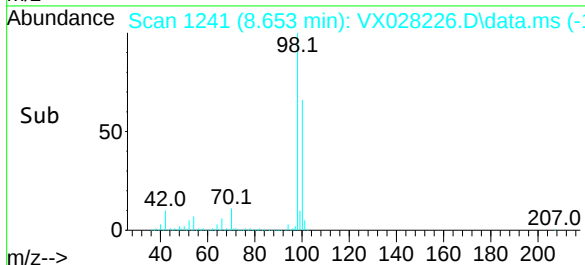
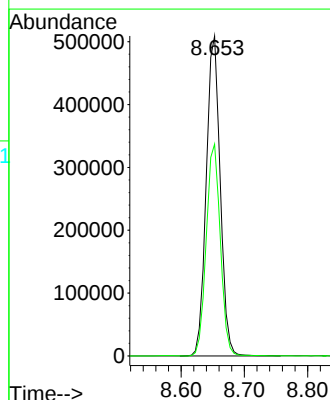
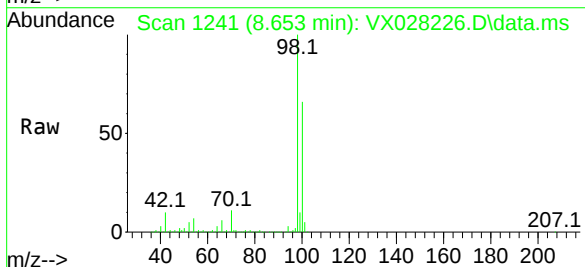
Acq: 21 Apr 2022 03:25

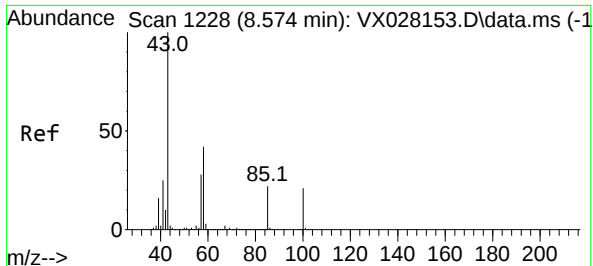
Tgt Ion: 98 Resp: 783471

Ion Ratio Lower Upper

98 100

100 66.7 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 17.353 ug/l

RT: 8.549 min Scan# 1194

Delta R.T. -0.025 min

Lab File: VX028226.D

Acq: 21 Apr 2022 03:25

Instrument :

MSVOA_X

ClientSampleId :

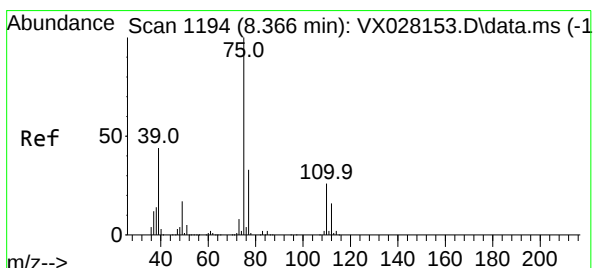
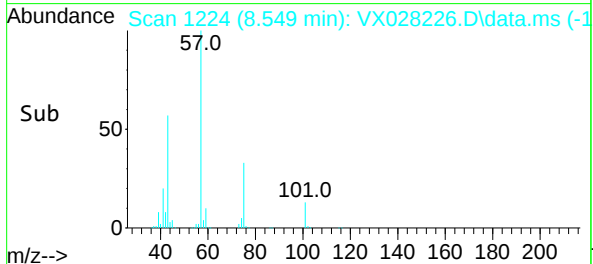
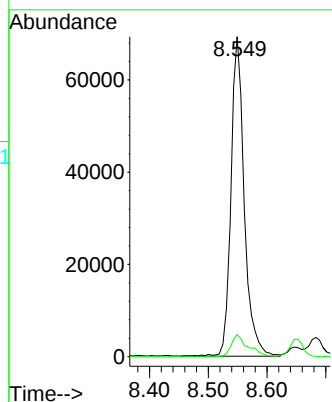
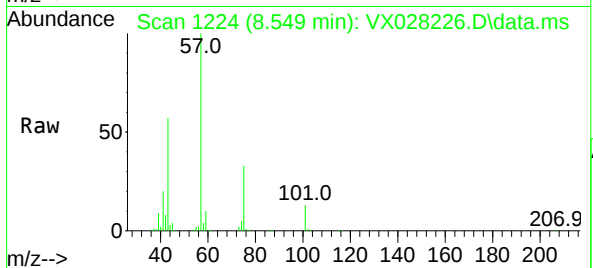
PB144231ZHE#08

Tgt Ion: 43 Resp: 108803

Ion Ratio Lower Upper

43 100

58 8.8 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 7.906 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028226.D

Acq: 21 Apr 2022 03:25

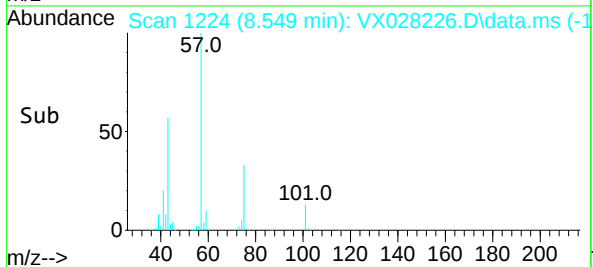
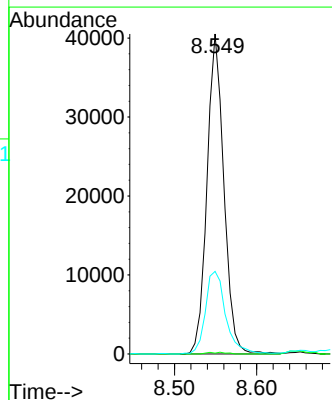
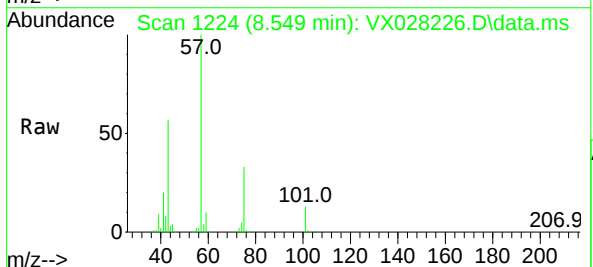
Tgt Ion: 75 Resp: 57668

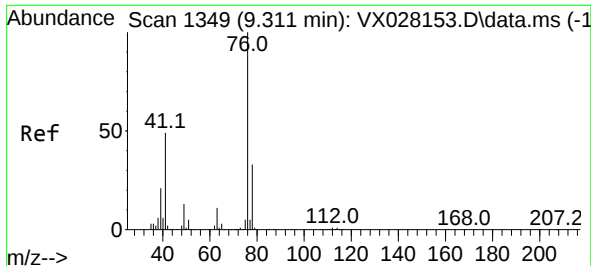
Ion Ratio Lower Upper

75 100

77 0.3 24.8 37.2#

39 25.8 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 4.945 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028226.D

Acq: 21 Apr 2022 03:25

Instrument :

MSVOA_X

ClientSampleId :

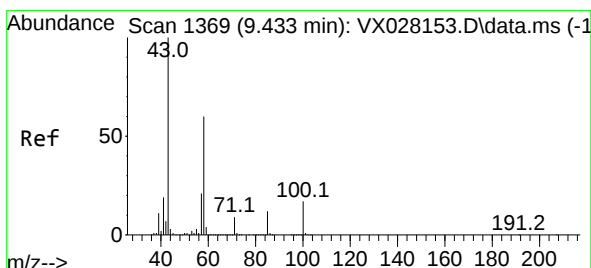
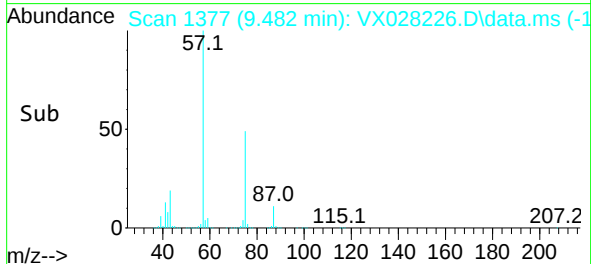
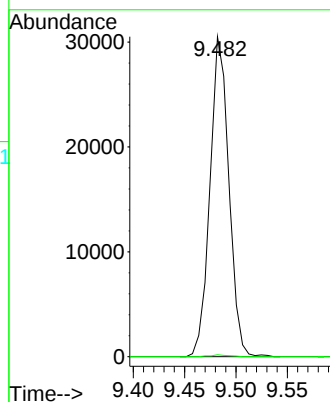
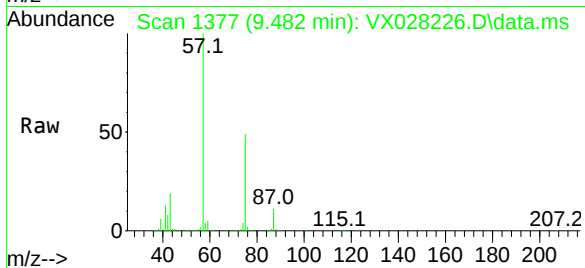
PB144231ZHE#08

Tgt Ion: 76 Resp: 39022

Ion Ratio Lower Upper

76 100

78 0.6 25.8 38.8#



#59

2-Hexanone

Concen: 86.995 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028226.D

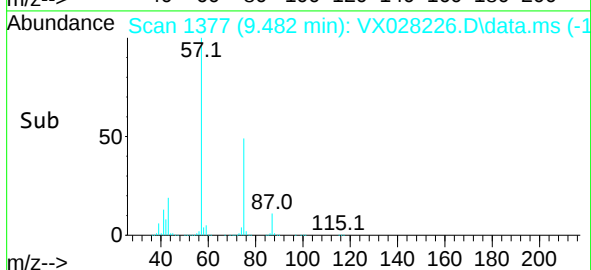
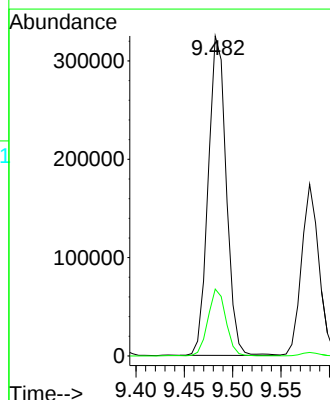
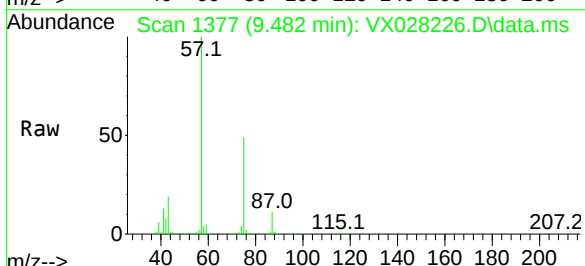
Acq: 21 Apr 2022 03:25

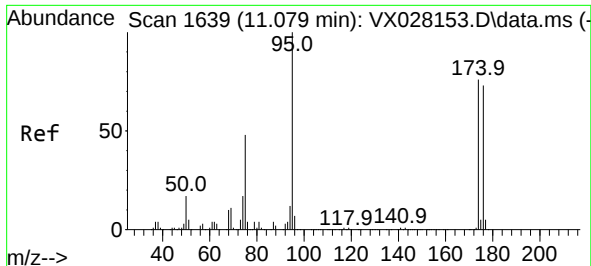
Tgt Ion: 43 Resp: 422521

Ion Ratio Lower Upper

43 100

58 21.0 31.9 95.7#

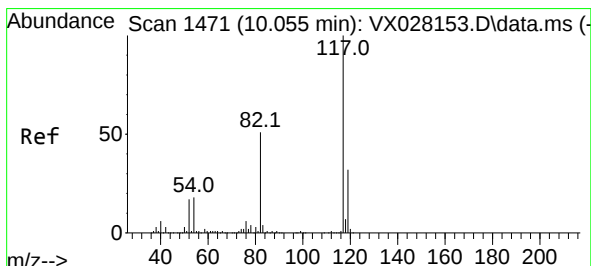
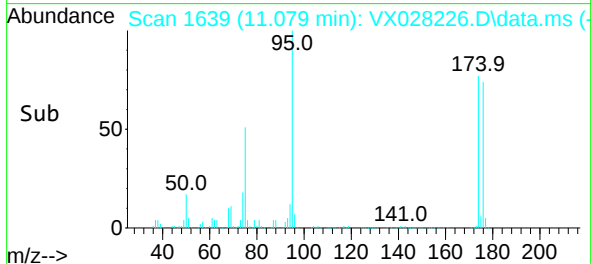
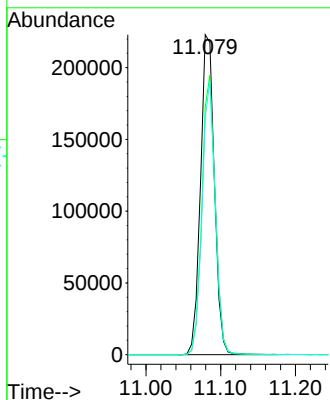
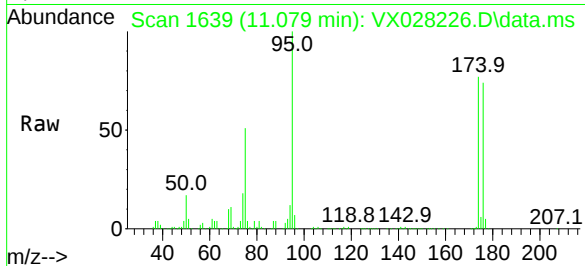




#62
4-Bromofluorobenzene
Concen: 43.146 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028226.D
Acq: 21 Apr 2022 03:25

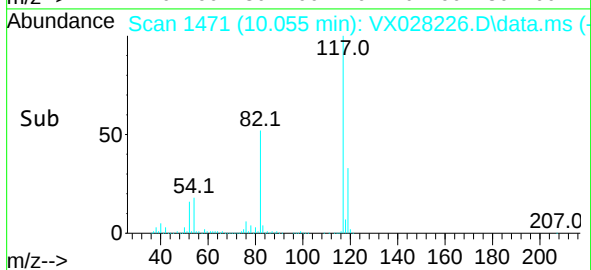
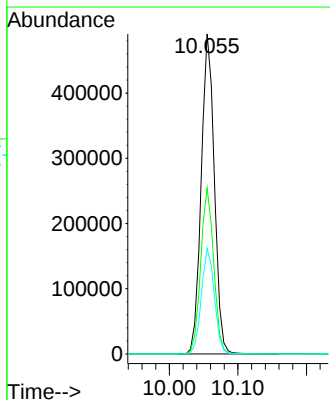
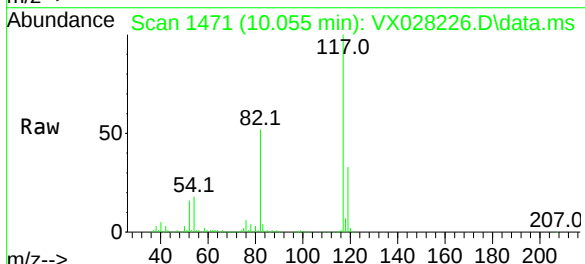
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#08

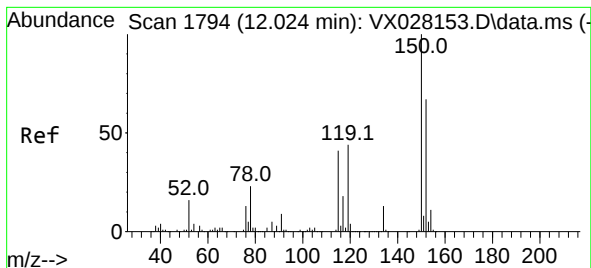
Tgt Ion: 95 Resp: 287407
Ion Ratio Lower Upper
95 100
174 84.2 0.0 163.0
176 81.6 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028226.D
Acq: 21 Apr 2022 03:25

Tgt Ion: 117 Resp: 654788
Ion Ratio Lower Upper
117 100
82 51.9 41.8 62.8
119 33.0 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: VX028226.D

Acq: 21 Apr 2022 03:25

Instrument :

MSVOA_X

ClientSampleId :

PB144231ZHE#08

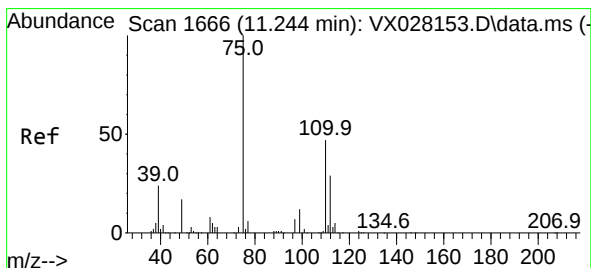
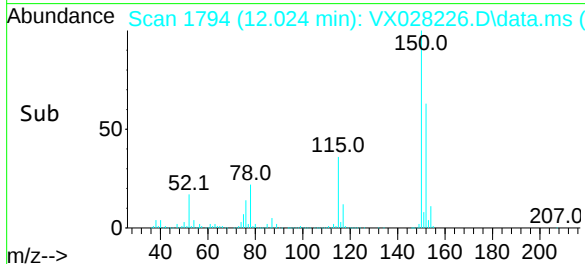
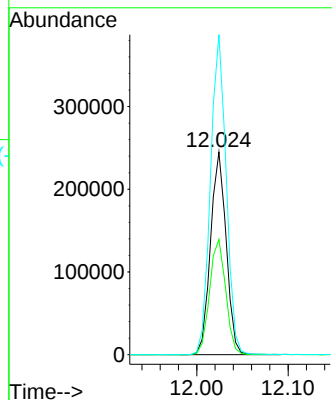
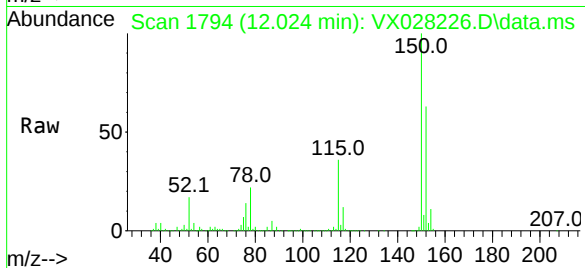
Tgt Ion:152 Resp: 291237

Ion Ratio Lower Upper

152 100

115 58.4 37.5 112.7

150 158.0 0.0 338.2



#76

1,2,3-Trichloropropane

Concen: 24.811 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX028226.D

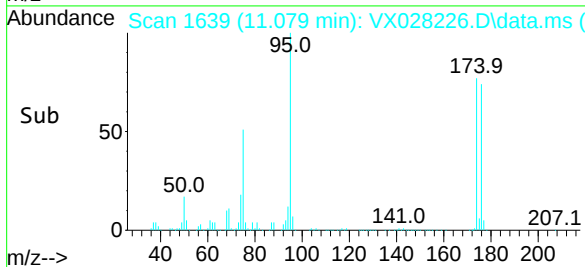
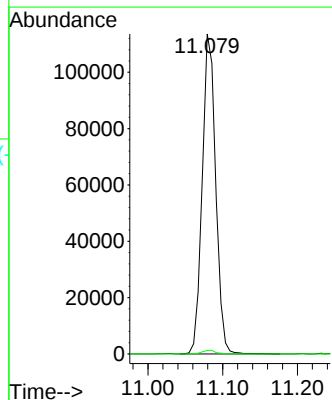
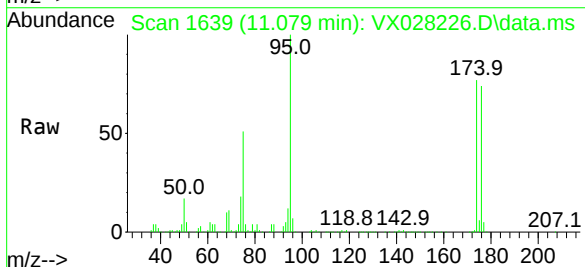
Acq: 21 Apr 2022 03:25

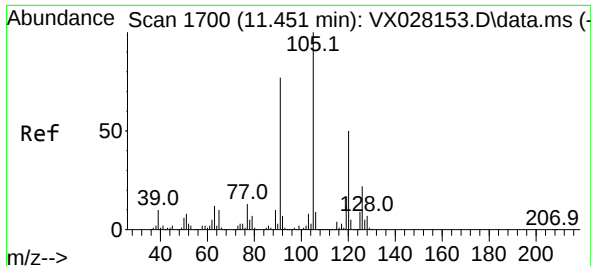
Tgt Ion: 75 Resp: 142211

Ion Ratio Lower Upper

75 100

77 1.2 19.4 58.2#

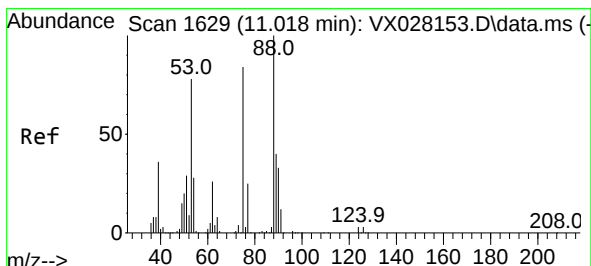
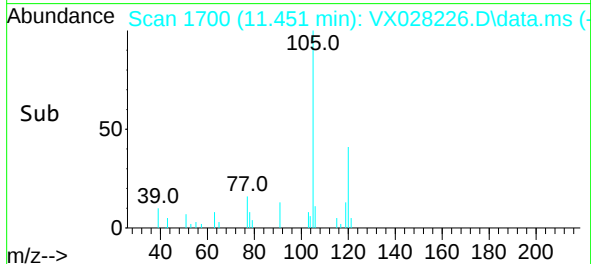
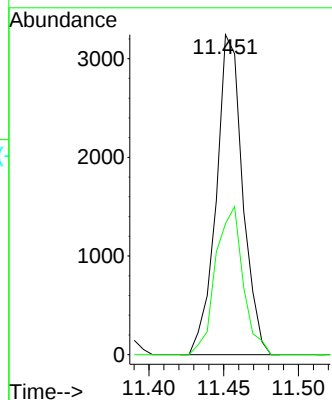
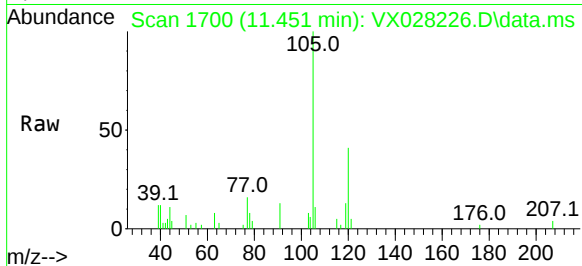




#80
1,3,5-Trimethylbenzene
Concen: 0.235 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028226.D
Acq: 21 Apr 2022 03:25

Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#08

Tgt Ion:105 Resp: 3988
Ion Ratio Lower Upper
105 100
120 48.1 24.3 72.9



#81
trans-1,4-Dichloro-2-butene
Concen: 73.732 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028226.D
Acq: 21 Apr 2022 03:25

Tgt Ion: 75 Resp: 142211
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

