

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121422\
 Data File : VX033422.D
 Acq On : 14 Dec 2022 16:16
 Operator : JC/MD
 Sample : PB149591ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB149591ZHE#03

Quant Time: Dec 14 22:51:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

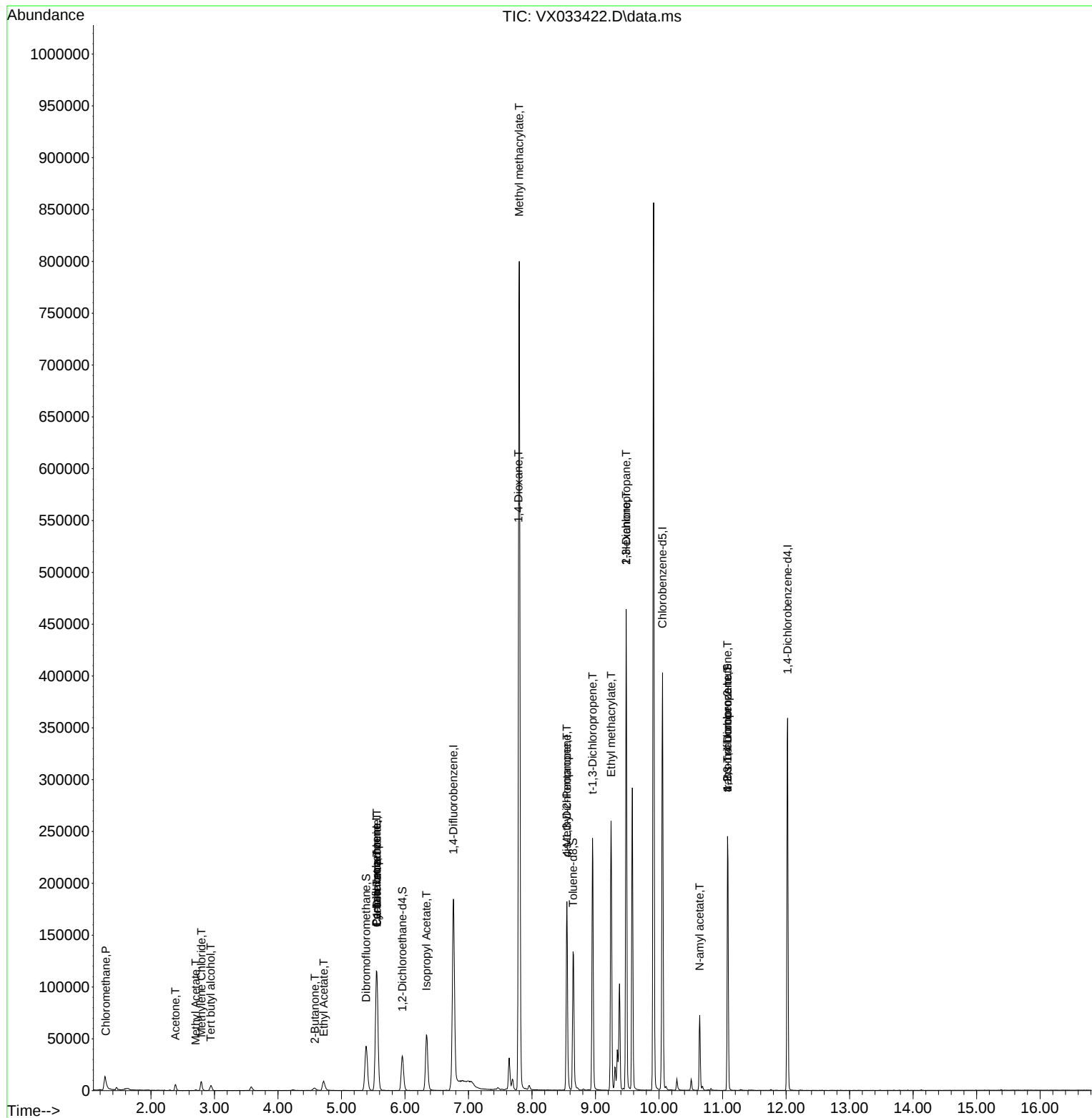
Internal Standards						
1) Pentafluorobenzene	5.550	168	111922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	184290	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	178481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	77577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	34348	47.837	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.680%		
35) Dibromofluoromethane	5.385	113	38160	46.037	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.080%		
50) Toluene-d8	8.647	98	81401	46.944	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.880%		
62) 4-Bromofluorobenzene	11.079	95	62889	47.433	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.860%		
Target Compounds					Qvalue	
3) Chloromethane	1.288	50	553	0.612	ug/l #	43
11) Tert butyl alcohol	2.940	59	3119	14.208	ug/l #	72
16) Acetone	2.386	43	6807	12.812	ug/l	92
18) Methyl Acetate	2.703	43	946	0.615	ug/l #	87
20) Methylene Chloride	2.794	84	4494	3.793	ug/l	83
25) 2-Butanone	4.580	43	2374	3.113	ug/l	97
31) Cyclohexane	5.556	56	2185	1.280	ug/l #	11
36) 1,1-Dichloropropene	5.556	75	8066	4.991	ug/l #	49
37) Ethyl Acetate	4.721	43	15518	10.158	ug/l	99
38) Carbon Tetrachloride	5.556	117	11532	6.369	ug/l #	15
43) Isopropyl Acetate	6.336	43	71650	29.150	ug/l	98
48) Methyl methacrylate	7.799	41	68870	54.289	ug/l #	42
49) 1,4-Dioxane	7.787	88	20	0.691	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	60210	38.735	ug/l #	50
53) t-1,3-Dichloropropene	8.951	75	506	2.756	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	28272	14.847	ug/l #	59
56) Ethyl methacrylate	9.244	69	597	0.331	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3605	1.752	ug/l #	42
59) 2-Hexanone	9.482	43	51726	45.156	ug/l #	53
74) N-amyl acetate	10.640	43	18713	9.754	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	32448	20.559	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	32448	63.951	ug/l #	6

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

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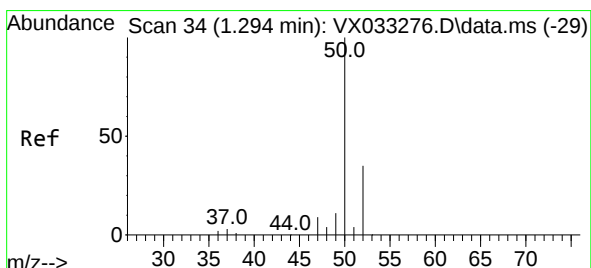
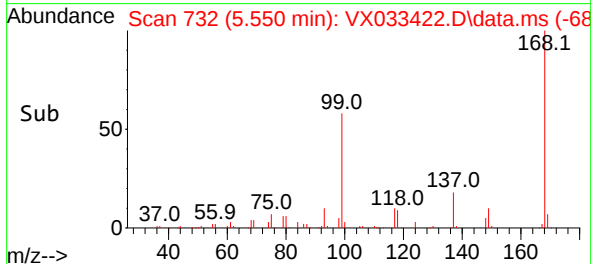
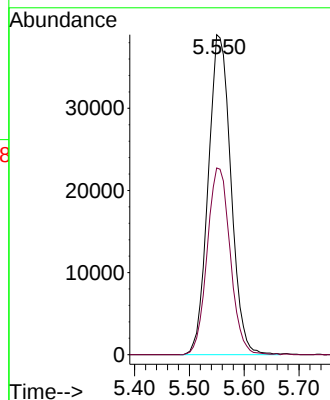
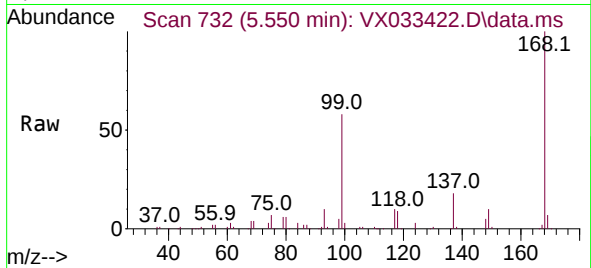




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033422.D
Acq: 14 Dec 2022 16:16

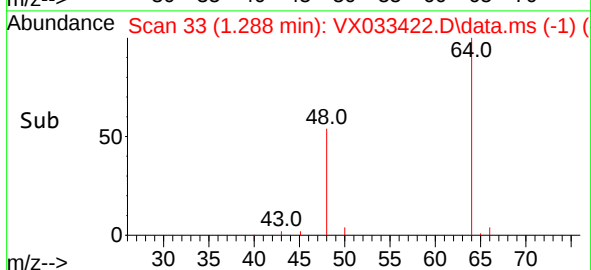
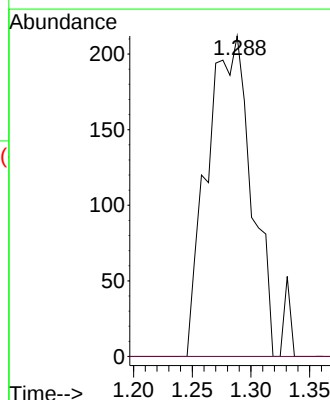
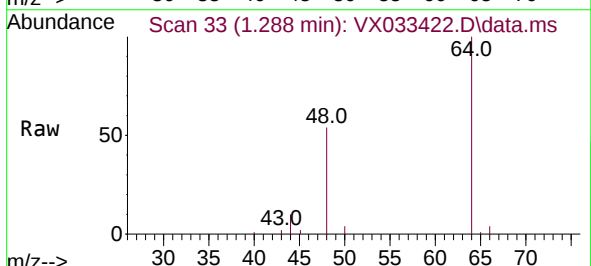
Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#03

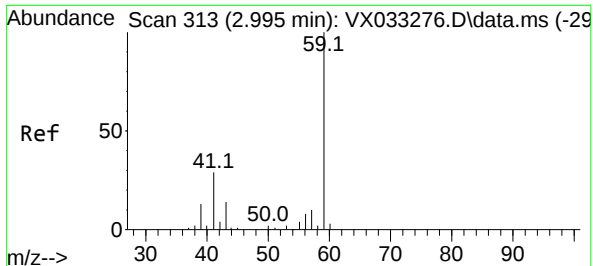
Tgt Ion:168 Resp: 111922
Ion Ratio Lower Upper
168 100
99 58.3 46.1 69.1



#3
Chloromethane
Concen: 0.612 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX033422.D
Acq: 14 Dec 2022 16:16

Tgt Ion: 50 Resp: 553
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 14.208 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.055 min

Lab File: VX033422.D

Acq: 14 Dec 2022 16:16

Instrument :

MSVOA_X

ClientSampleId :

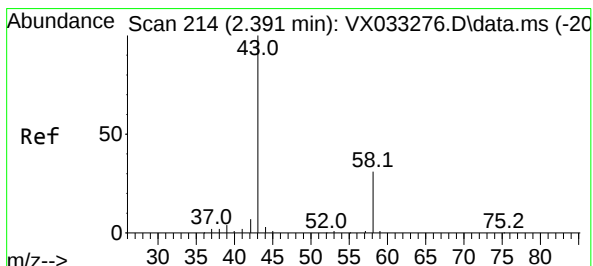
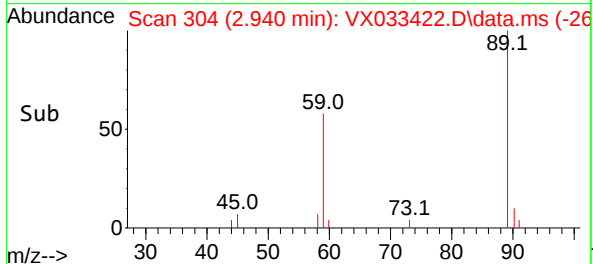
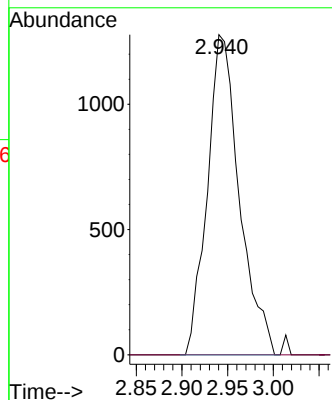
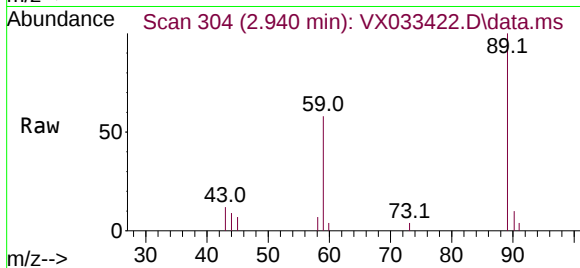
PB149591ZHE#03

Tgt Ion: 59 Resp: 3119

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 12.812 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX033422.D

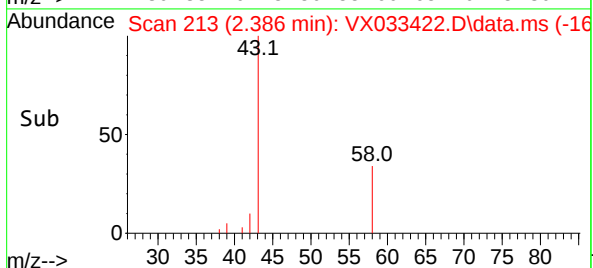
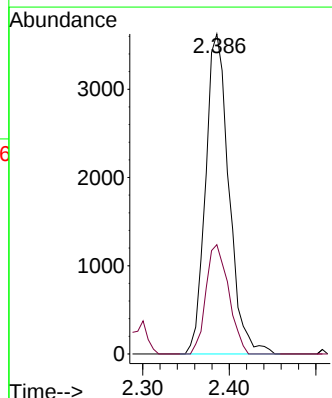
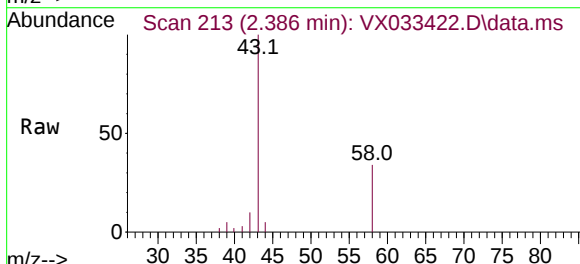
Acq: 14 Dec 2022 16:16

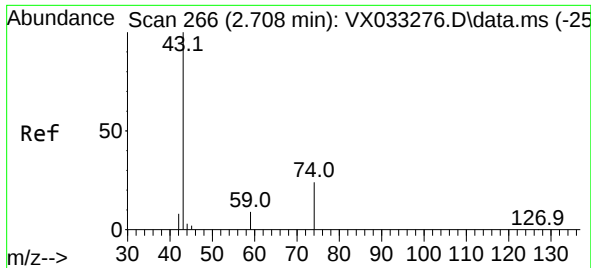
Tgt Ion: 43 Resp: 6807

Ion Ratio Lower Upper

43 100

58 34.2 23.8 35.8

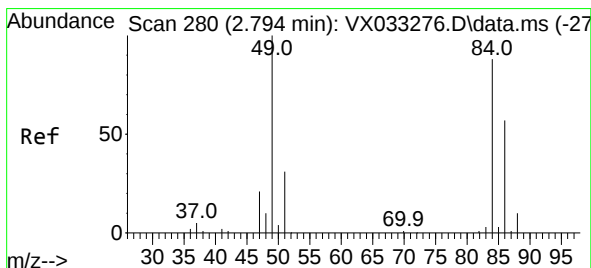
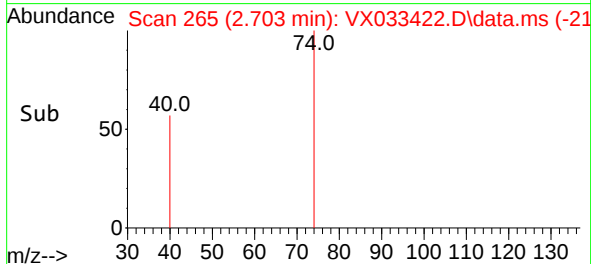
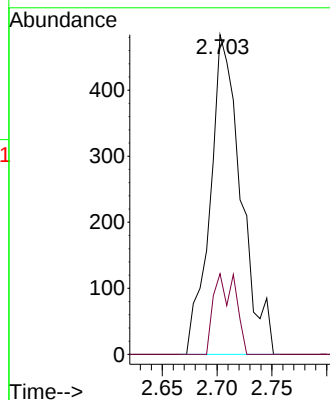
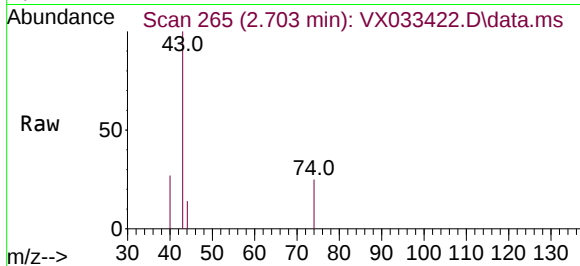




#18
Methyl Acetate
Concen: 0.615 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX033422.D
Acq: 14 Dec 2022 16:16

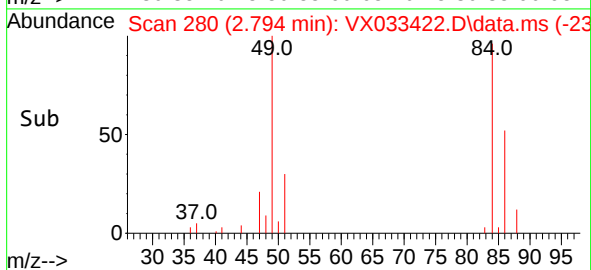
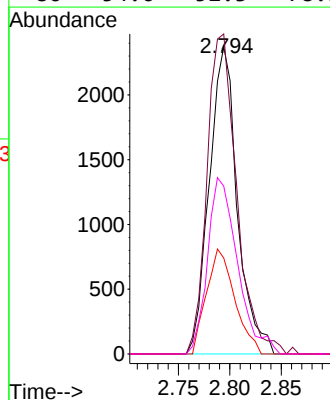
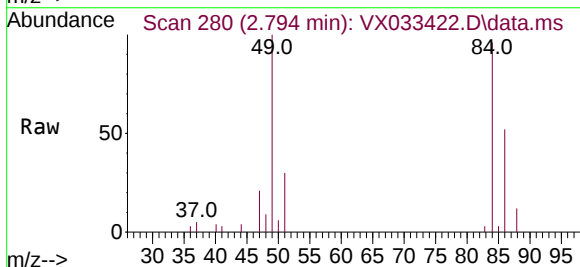
Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#03

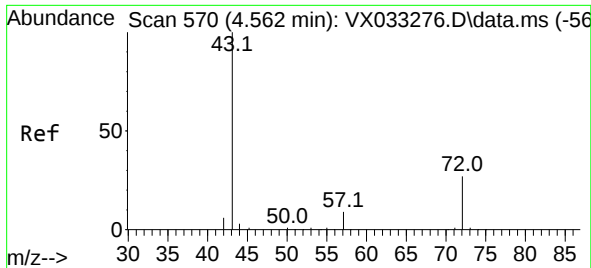
Tgt Ion: 43 Resp: 946
Ion Ratio Lower Upper
43 100
74 17.8 19.4 29.0#



#20
Methylene Chloride
Concen: 3.793 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX033422.D
Acq: 14 Dec 2022 16:16

Tgt Ion: 84 Resp: 4494
Ion Ratio Lower Upper
84 100
49 104.2 101.0 151.6
51 31.2 31.1 46.7
86 54.6 52.3 78.5

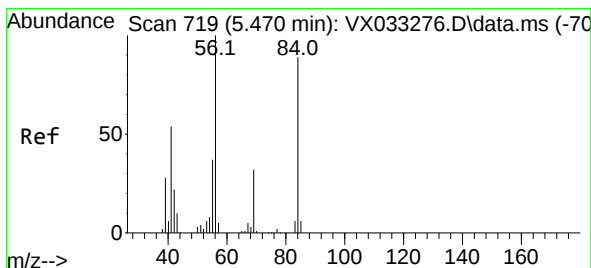
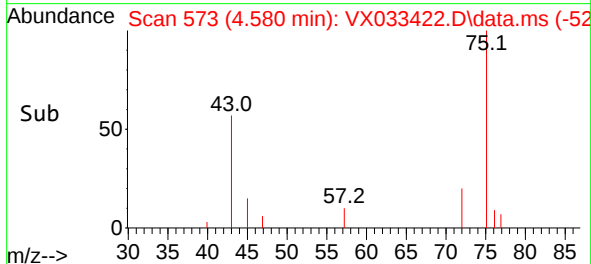
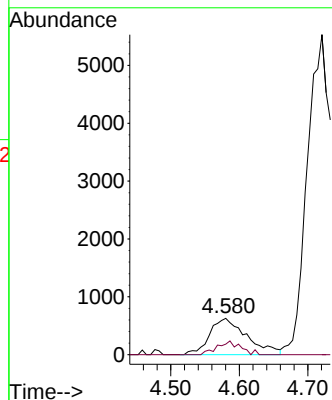
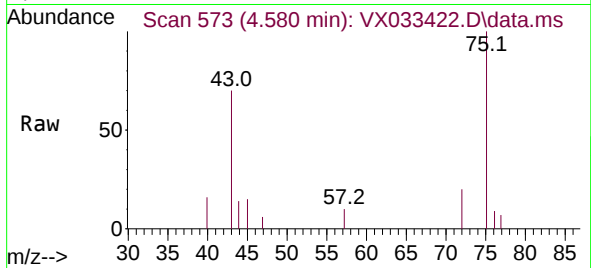




#25
2-Butanone
Concen: 3.113 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.019 min
Lab File: VX033422.D
Acq: 14 Dec 2022 16:16

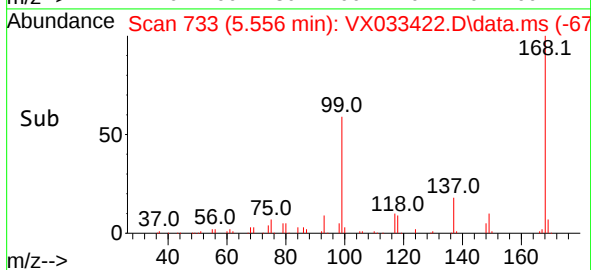
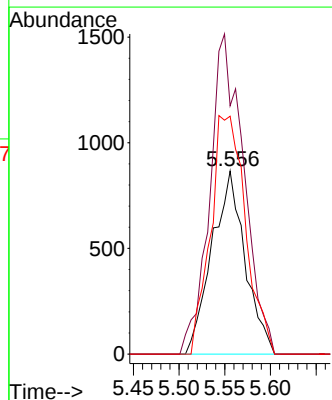
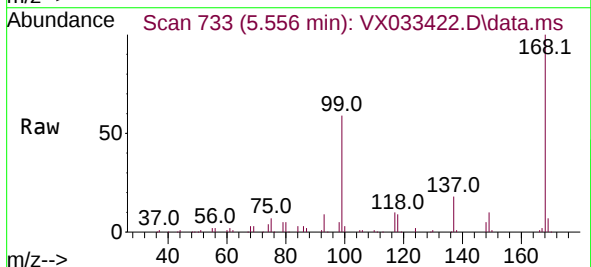
Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#03

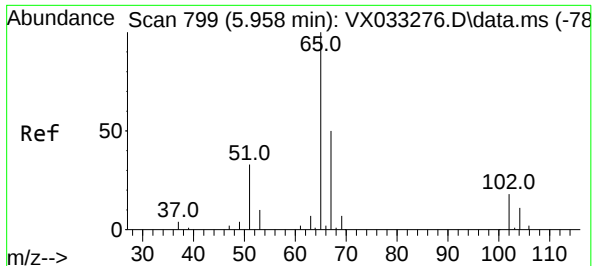
Tgt Ion: 43 Resp: 2374
Ion Ratio Lower Upper
43 100
72 29.1 22.2 33.2



#31
Cyclohexane
Concen: 1.280 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX033422.D
Acq: 14 Dec 2022 16:16

Tgt Ion: 56 Resp: 2185
Ion Ratio Lower Upper
56 100
69 135.7 24.1 36.1#
84 130.0 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 47.837 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033422.D

Acq: 14 Dec 2022 16:16

Instrument :

MSVOA_X

ClientSampleId :

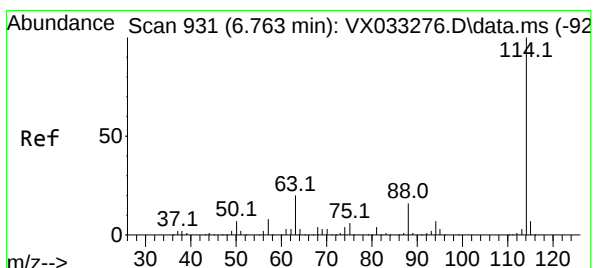
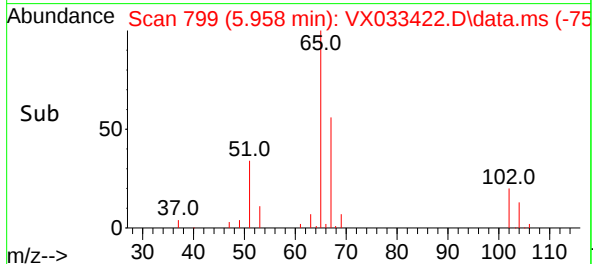
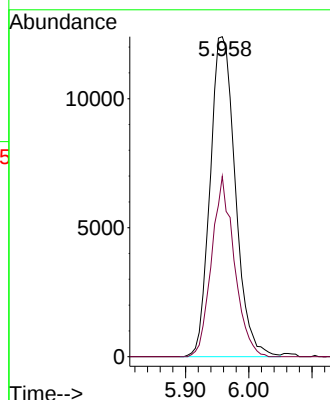
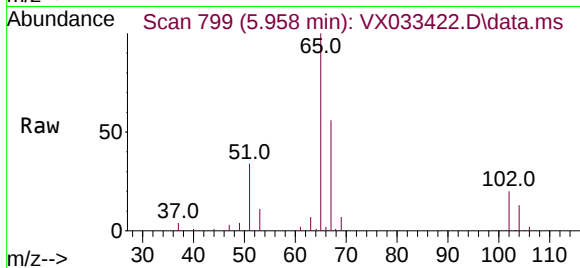
PB149591ZHE#03

Tgt Ion: 65 Resp: 34348

Ion Ratio Lower Upper

65 100

67 50.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033422.D

Acq: 14 Dec 2022 16:16

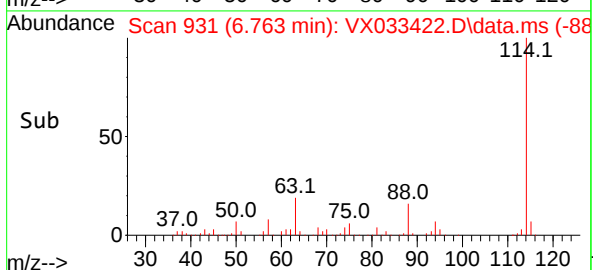
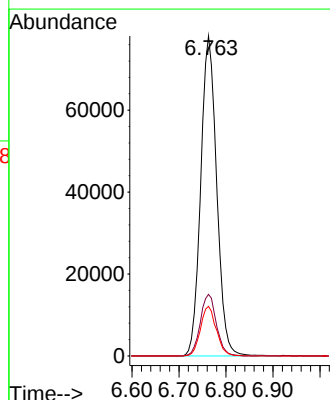
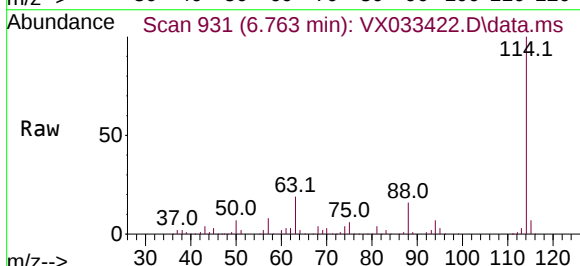
Tgt Ion: 114 Resp: 184290

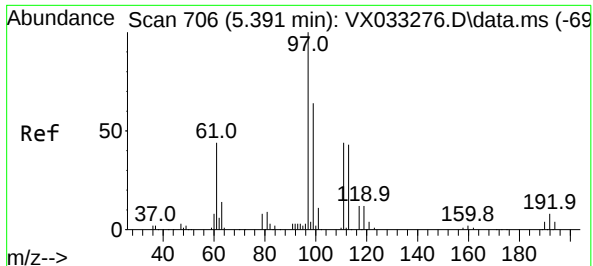
Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.6

88 15.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 46.037 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX033422.D

Acq: 14 Dec 2022 16:16

Instrument :

MSVOA_X

ClientSampleId :

PB149591ZHE#03

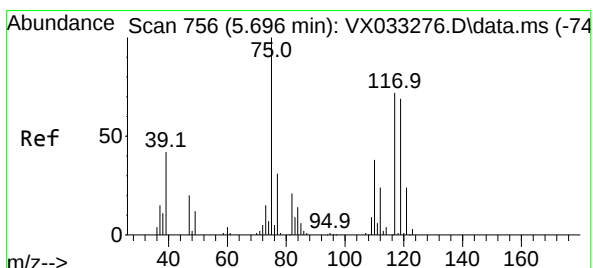
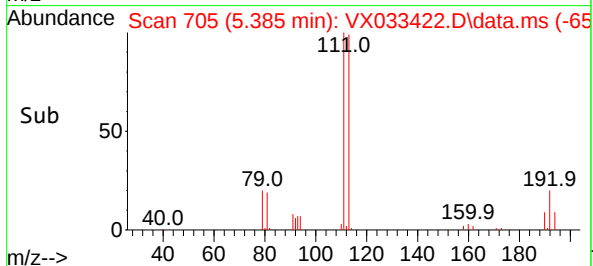
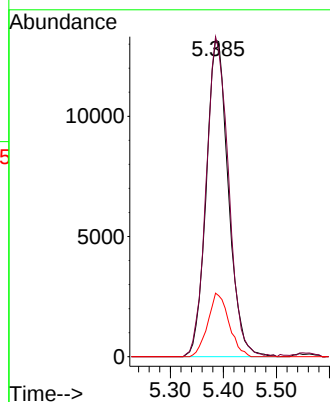
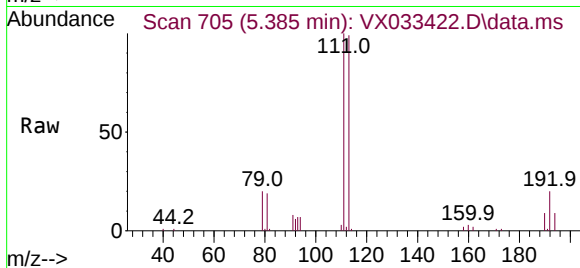
Tgt Ion:113 Resp: 38160

Ion Ratio Lower Upper

113 100

111 102.2 82.4 123.6

192 19.2 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.991 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX033422.D

Acq: 14 Dec 2022 16:16

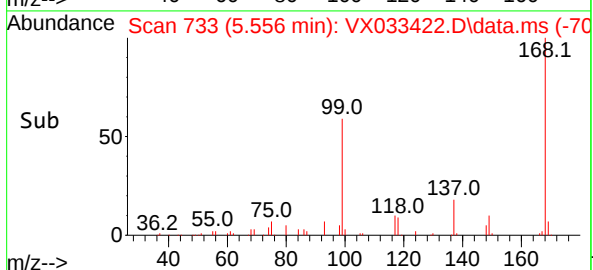
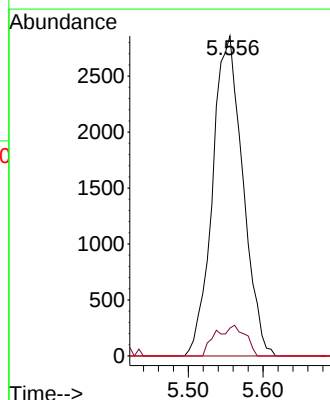
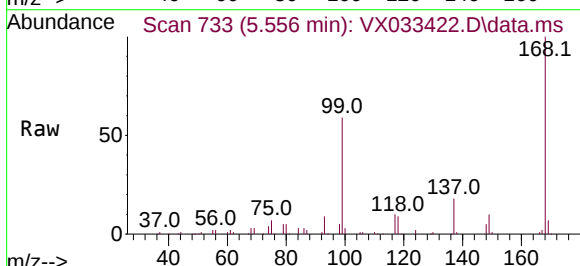
Tgt Ion: 75 Resp: 8066

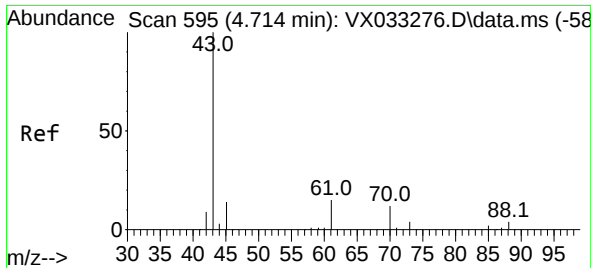
Ion Ratio Lower Upper

75 100

110 9.4 18.4 55.2#

77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 10.158 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX033422.D

Acq: 14 Dec 2022 16:16

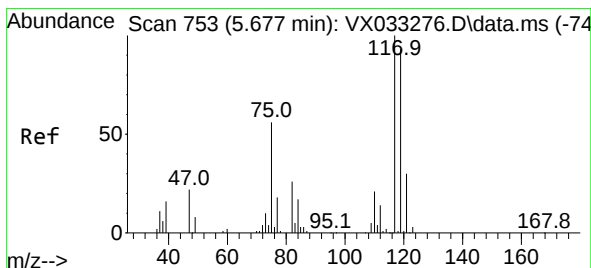
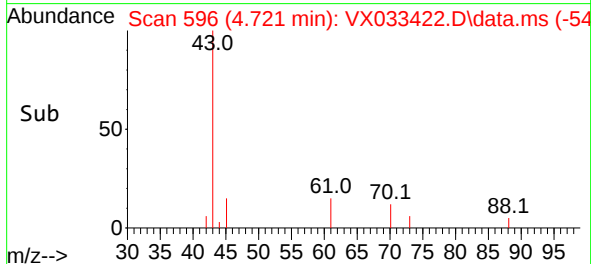
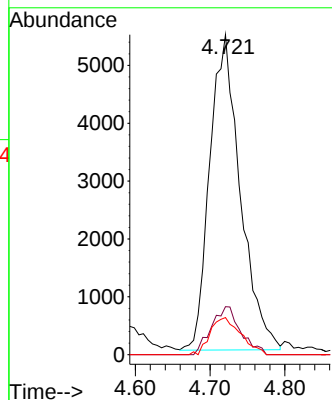
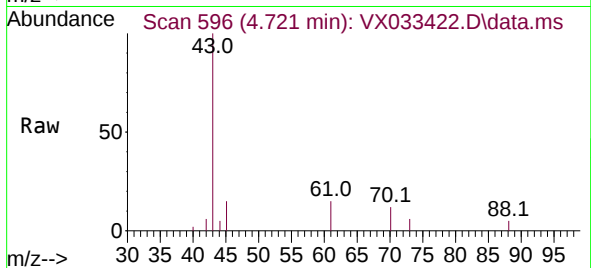
Instrument :

MSVOA_X

ClientSampleId :

PB149591ZHE#03

Tgt Ion: 43	Resp: 15518
Ion Ratio	Lower Upper
43 100	
61 14.6	11.5 17.3
70 11.8	9.1 13.7



#38

Carbon Tetrachloride

Concen: 6.369 ug/l

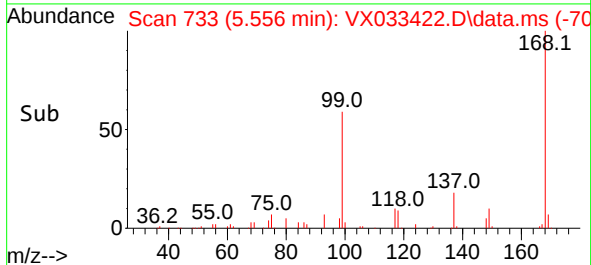
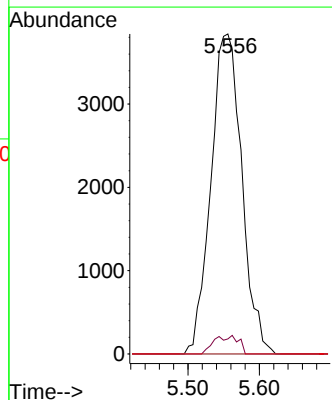
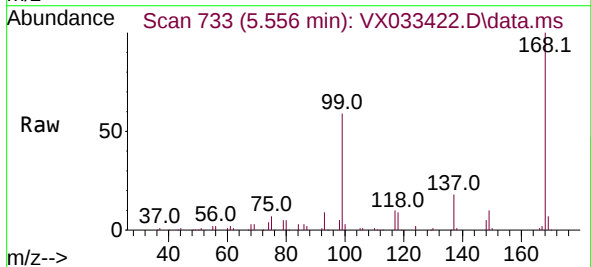
RT: 5.556 min Scan# 733

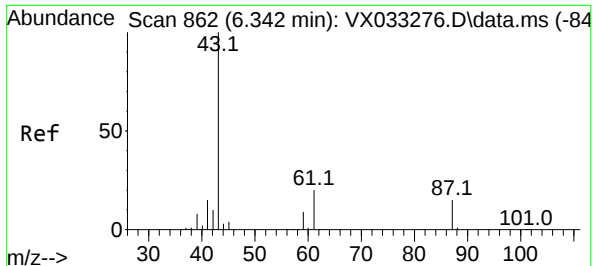
Delta R.T. -0.122 min

Lab File: VX033422.D

Acq: 14 Dec 2022 16:16

Tgt Ion: 117	Resp: 11532
Ion Ratio	Lower Upper
117 100	
119 4.7	77.2 115.8#
121 0.0	25.8 38.6#

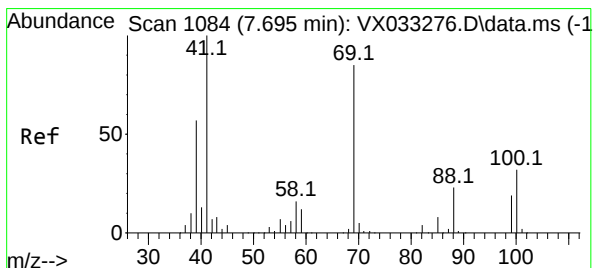
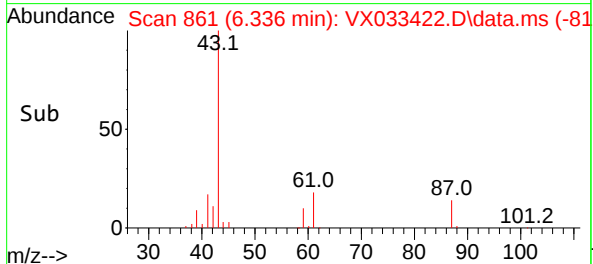
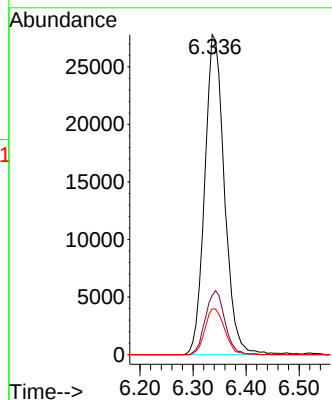
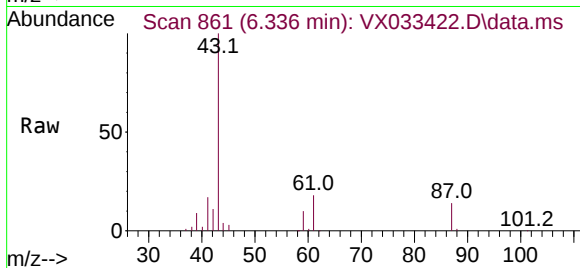




#43
Isopropyl Acetate
Concen: 29.150 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX033422.D
Acq: 14 Dec 2022 16:16

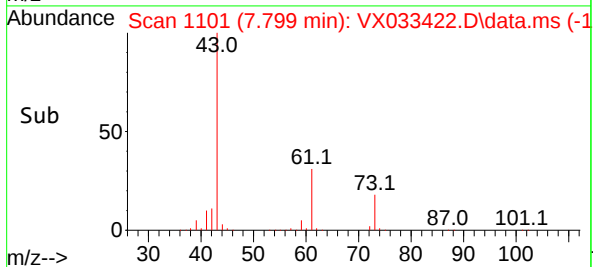
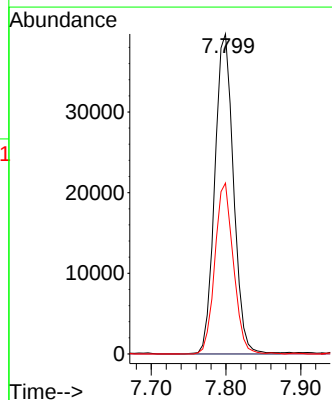
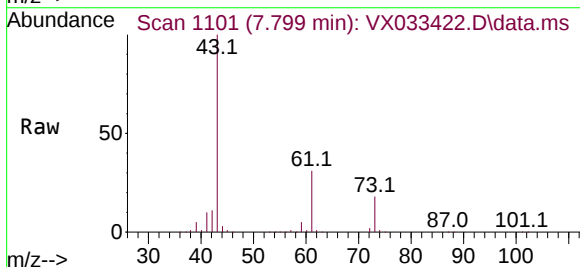
Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#03

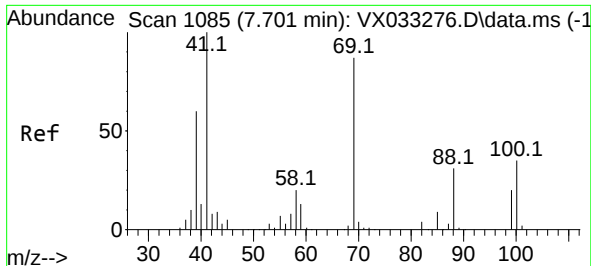
Tgt Ion: 43 Resp: 71650
Ion Ratio Lower Upper
43 100
61 19.8 15.4 23.0
87 14.4 10.8 16.2



#48
Methyl methacrylate
Concen: 54.289 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX033422.D
Acq: 14 Dec 2022 16:16

Tgt Ion: 41 Resp: 68870
Ion Ratio Lower Upper
41 100
69 0.0 65.1 97.7#
39 52.8 51.9 77.9





#49

1,4-Dioxane

Concen: 0.691 ug/l

RT: 7.787 min Scan# 1099

Delta R.T. 0.086 min

Lab File: VX033422.D

Acq: 14 Dec 2022 16:16

Instrument :

MSVOA_X

ClientSampleId :

PB149591ZHE#03

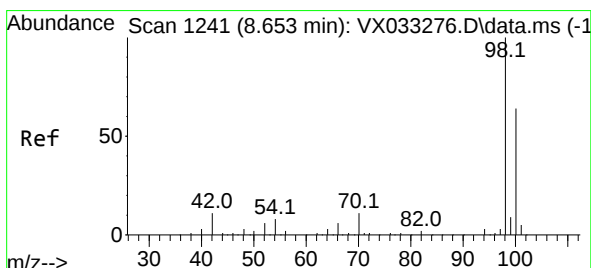
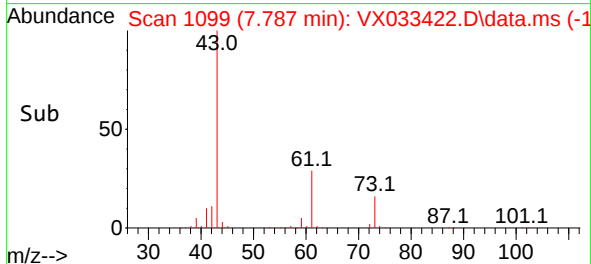
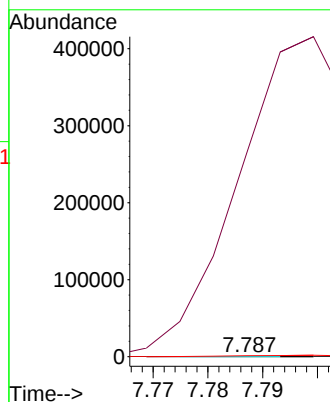
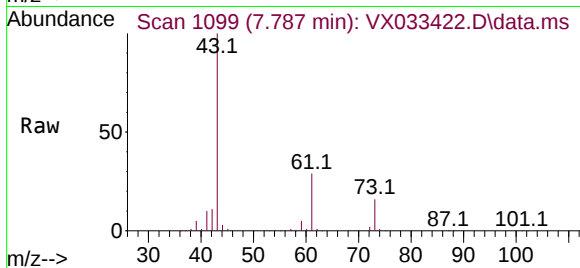
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 3555785.0 26.6 39.8#

58 14975.0 51.7 77.5#



#50

Toluene-d8

Concen: 46.944 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX033422.D

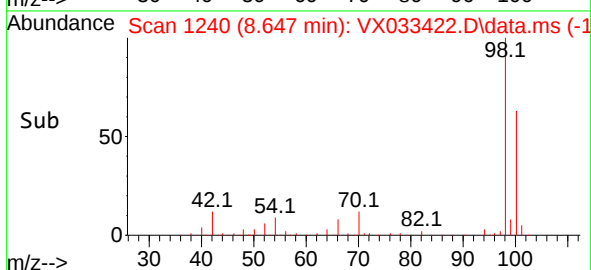
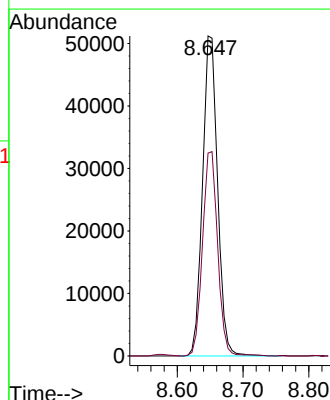
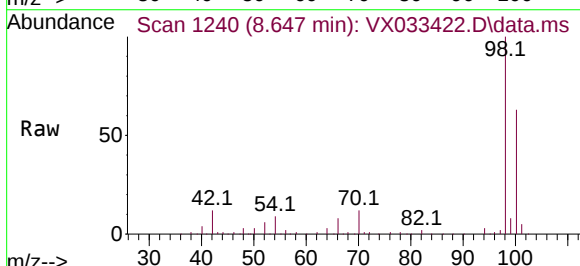
Acq: 14 Dec 2022 16:16

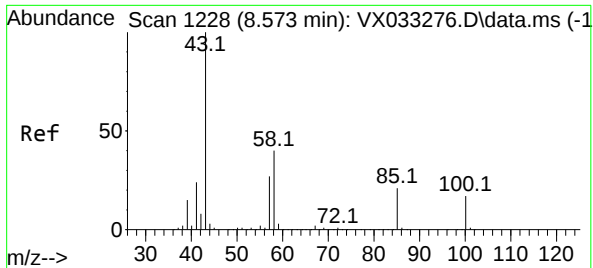
Tgt Ion: 98 Resp: 81401

Ion Ratio Lower Upper

98 100

100 64.0 50.9 76.3

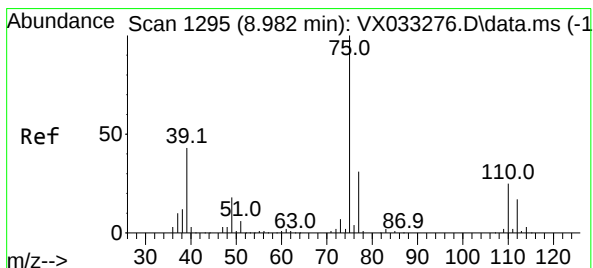
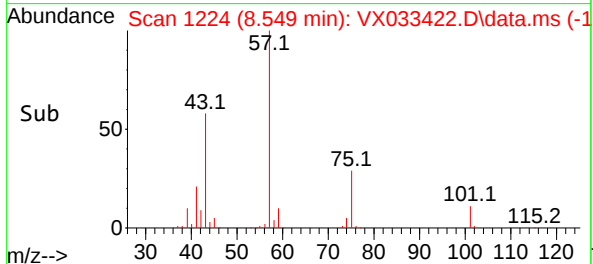
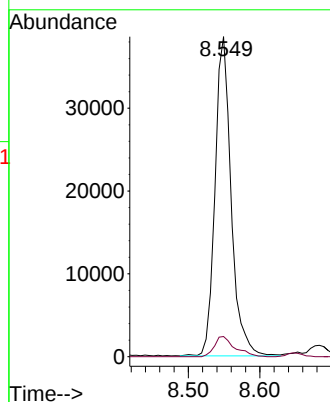
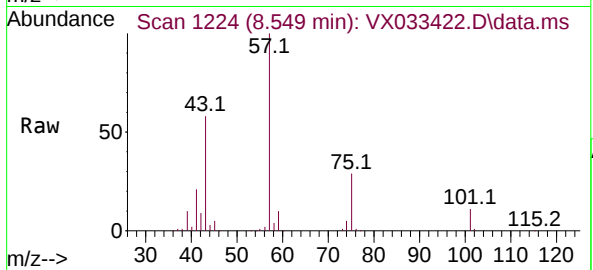




#51
4-Methyl-2-Pentanone
Concen: 38.735 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX033422.D
Acq: 14 Dec 2022 16:16

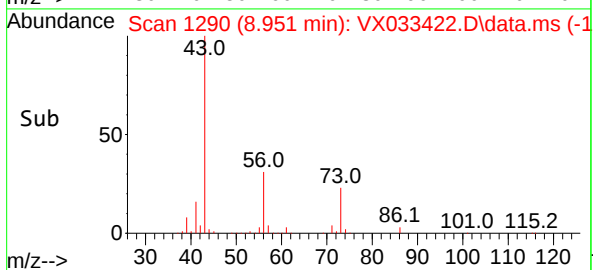
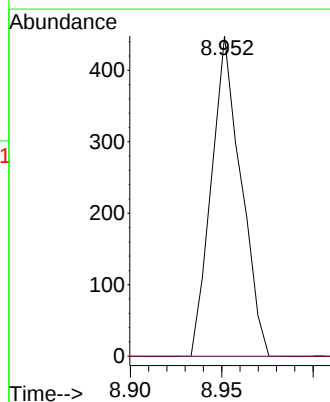
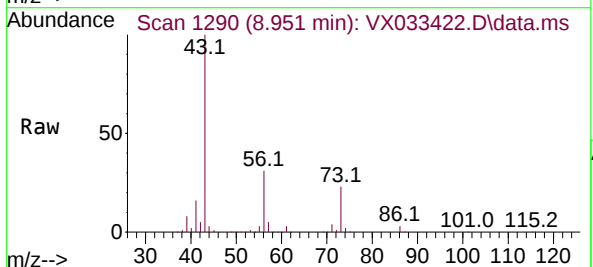
Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#03

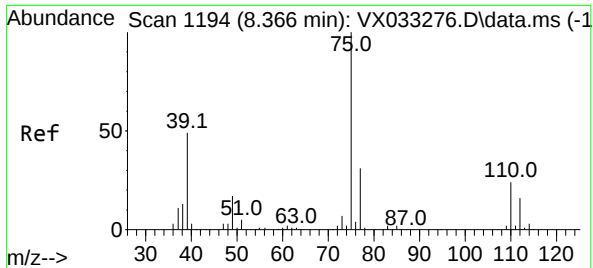
Tgt Ion: 43 Resp: 60210
Ion Ratio Lower Upper
43 100
58 8.0 30.9 46.3#



#53
t-1,3-Dichloropropene
Concen: 2.756 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.030 min
Lab File: VX033422.D
Acq: 14 Dec 2022 16:16

Tgt Ion: 75 Resp: 506
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

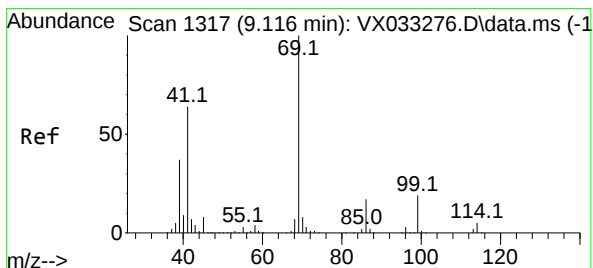
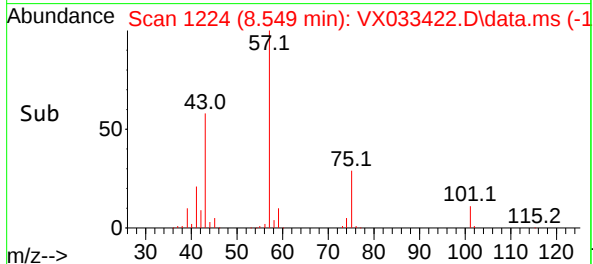
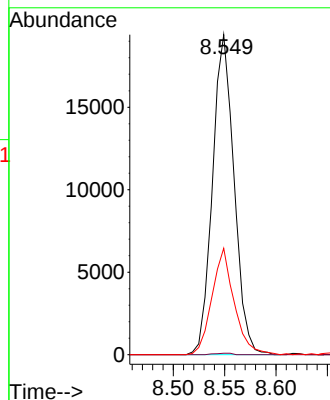
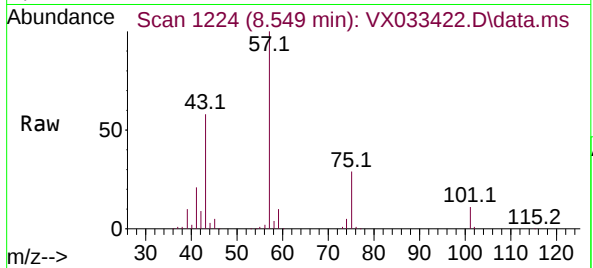




#54
 cis-1,3-Dichloropropene
 Concen: 14.847 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033422.D
 Acq: 14 Dec 2022 16:16

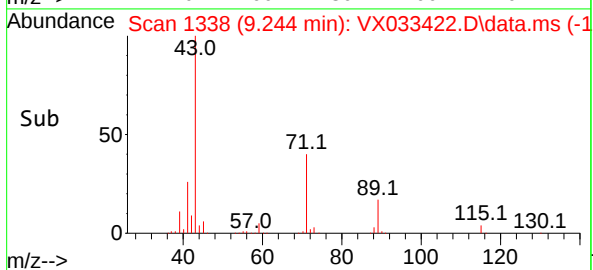
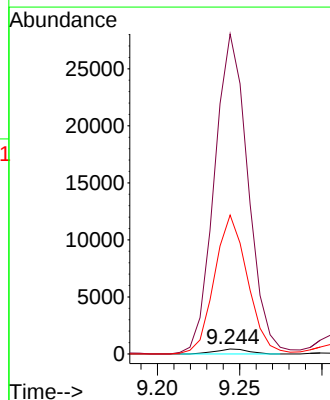
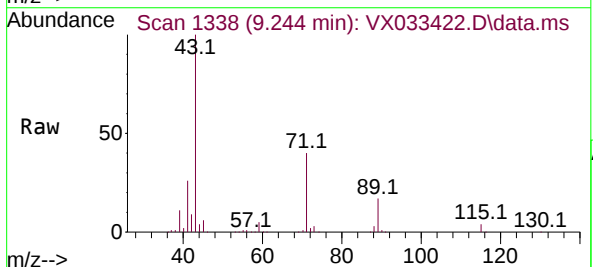
Instrument :
 MSVOA_X
 ClientSampleId :
 PB149591ZHE#03

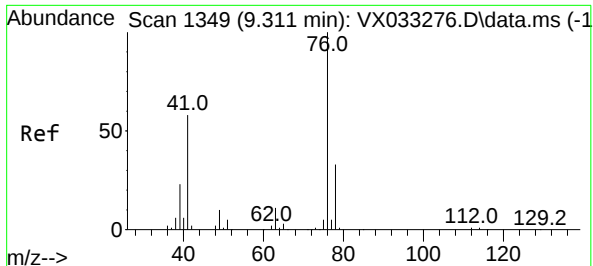
Tgt Ion: 75 Resp: 28272
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.1 37.7#
 39 33.2 45.5 68.3#



#56
 Ethyl methacrylate
 Concen: 0.331 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX033422.D
 Acq: 14 Dec 2022 16:16

Tgt Ion: 69 Resp: 597
 Ion Ratio Lower Upper
 69 100
 41 6718.4 54.3 81.5#
 39 2864.8 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 1.752 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX033422.D

Acq: 14 Dec 2022 16:16

Instrument :

MSVOA_X

ClientSampleId :

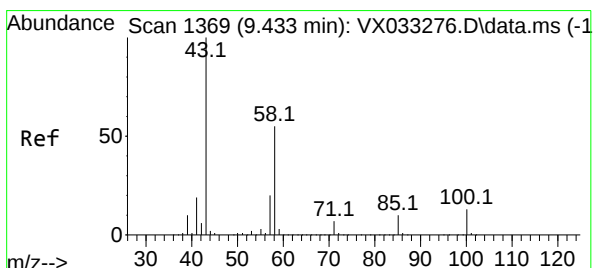
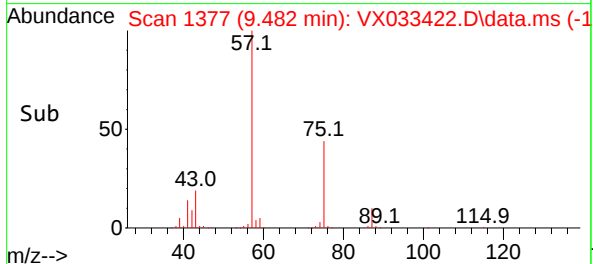
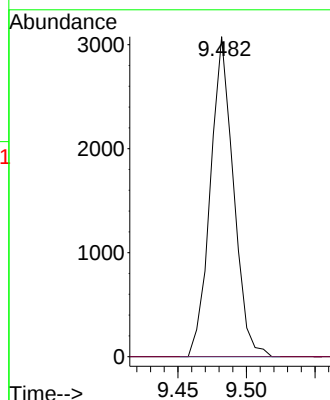
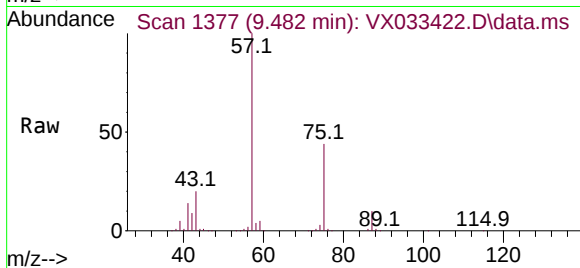
PB149591ZHE#03

Tgt Ion: 76 Resp: 3605

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 45.156 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033422.D

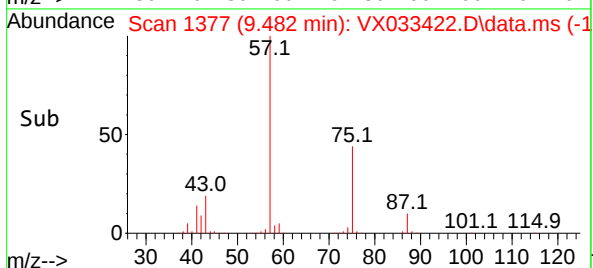
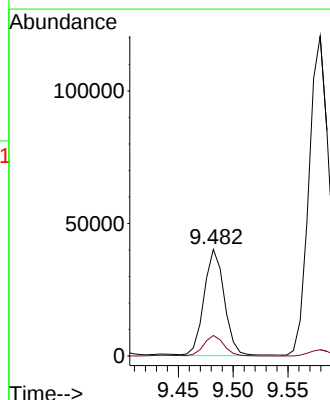
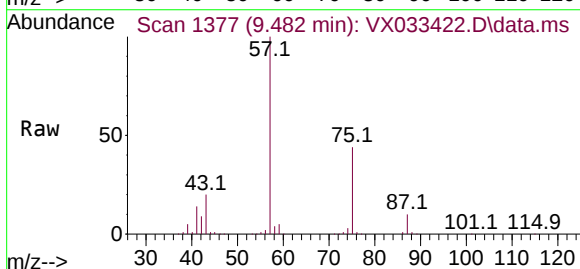
Acq: 14 Dec 2022 16:16

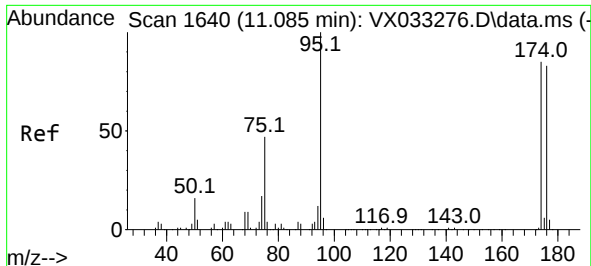
Tgt Ion: 43 Resp: 51726

Ion Ratio Lower Upper

43 100

58 19.4 26.5 79.5#





#62

4-Bromofluorobenzene

Concen: 47.433 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX033422.D

Acq: 14 Dec 2022 16:16

Instrument :

MSVOA_X

ClientSampleId :

PB149591ZHE#03

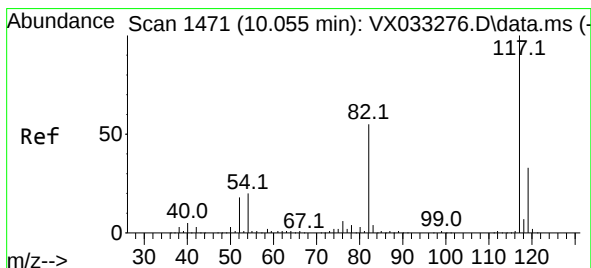
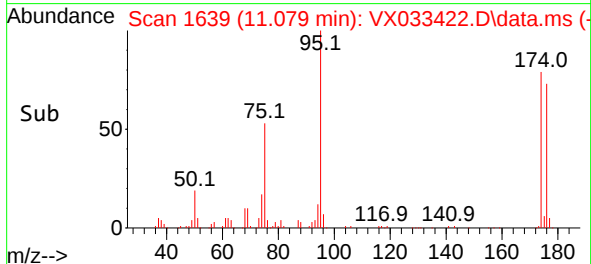
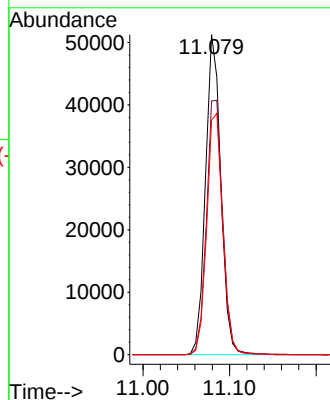
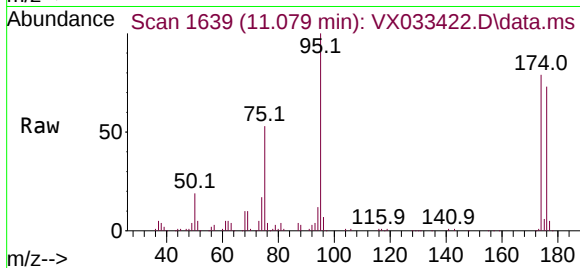
Tgt Ion: 95 Resp: 62889

Ion Ratio Lower Upper

95 100

174 84.6 0.0 164.0

176 79.4 0.0 154.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033422.D

Acq: 14 Dec 2022 16:16

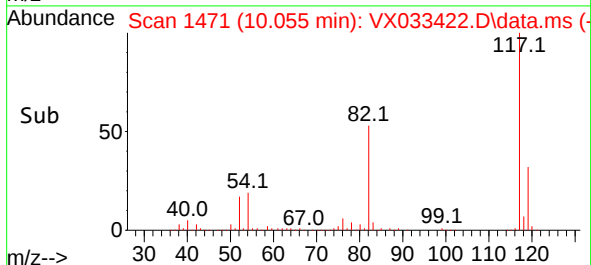
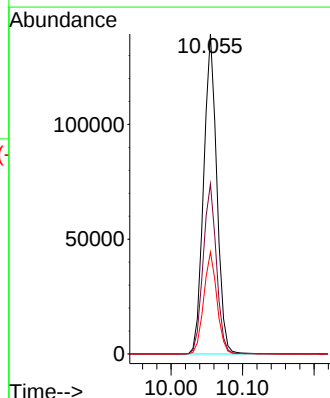
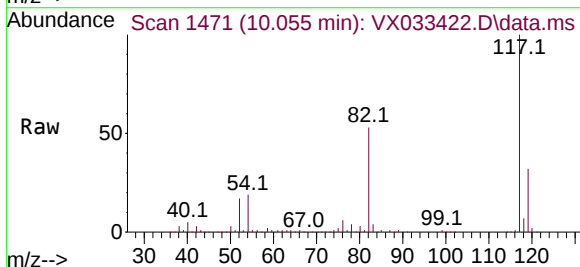
Tgt Ion: 117 Resp: 178481

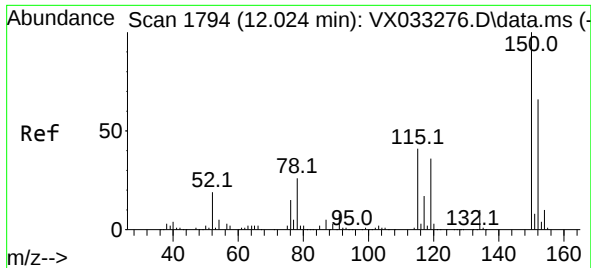
Ion Ratio Lower Upper

117 100

82 53.2 44.3 66.5

119 31.8 25.7 38.5

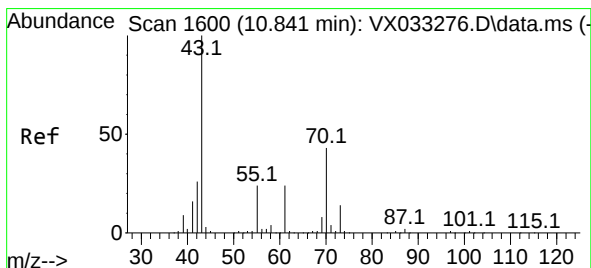
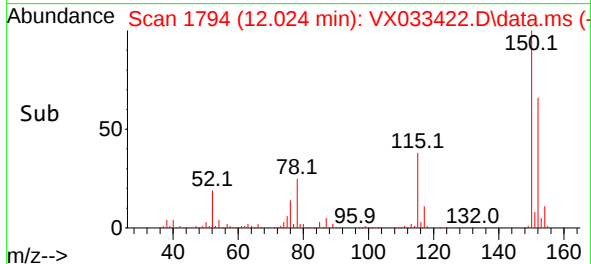
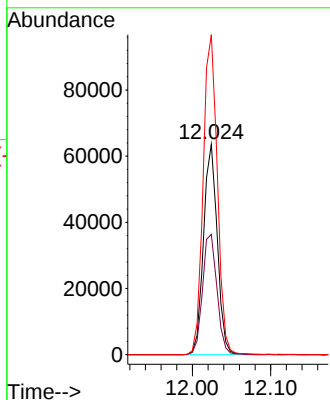
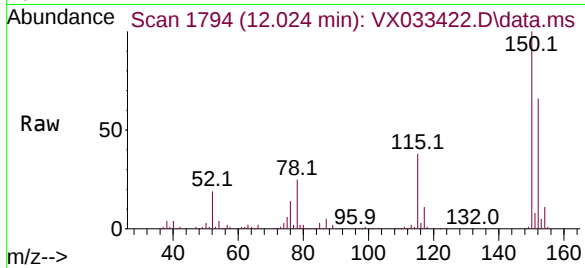




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033422.D
Acq: 14 Dec 2022 16:16

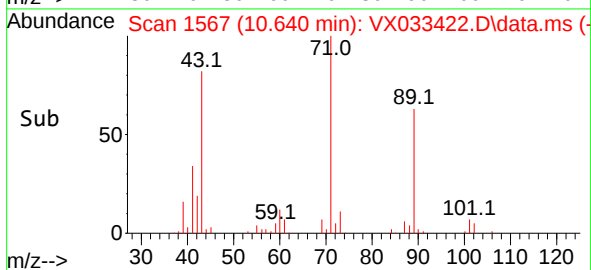
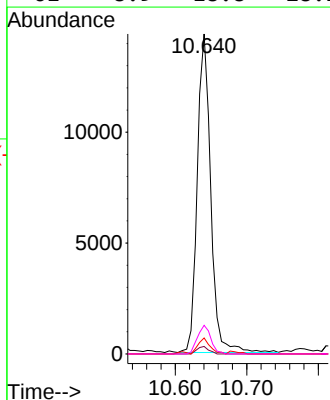
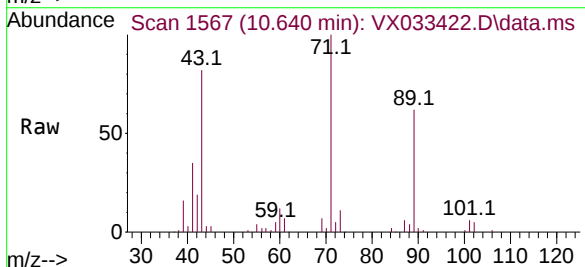
Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#03

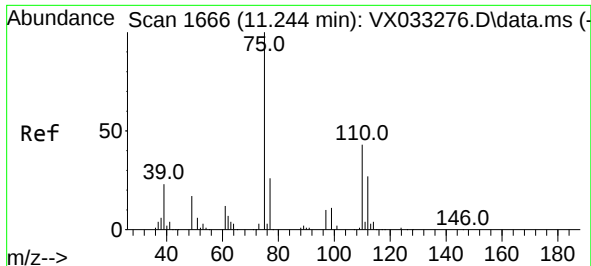
Tgt Ion:152 Resp: 77577
Ion Ratio Lower Upper
152 100
115 59.9 44.0 132.0
150 156.3 0.0 351.8



#74
N-ethyl acetate
Concen: 9.754 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033422.D
Acq: 14 Dec 2022 16:16

Tgt Ion: 43 Resp: 18713
Ion Ratio Lower Upper
43 100
70 2.1 33.6 50.4#
55 4.5 19.4 29.2#
61 8.9 18.8 28.2#

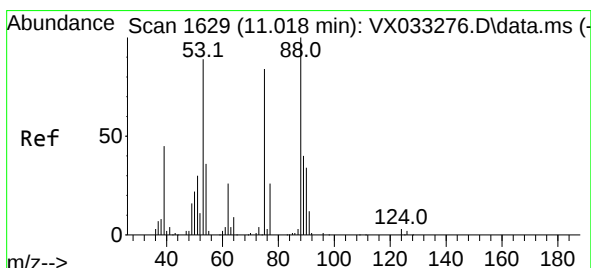
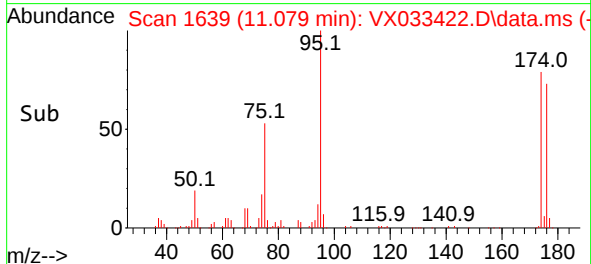
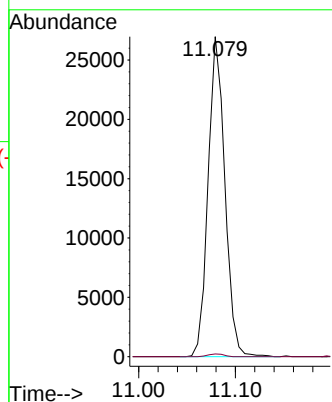
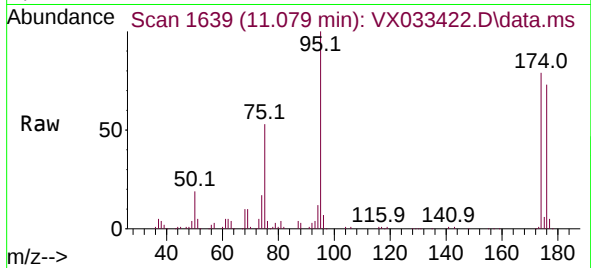




#76
1,2,3-Trichloropropane
Concen: 20.559 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033422.D
Acq: 14 Dec 2022 16:16

Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#03

Tgt Ion: 75 Resp: 32448
Ion Ratio Lower Upper
75 100
77 0.8 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.951 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033422.D
Acq: 14 Dec 2022 16:16

Tgt Ion: 75 Resp: 32448
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.1 38.3 57.5#

