

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120222\
 Data File : VX033215.D
 Acq On : 03 Dec 2022 02:34
 Operator : JC/MD
 Sample : PB149377ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB149377ZHE#09

Quant Time: Dec 05 01:13:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

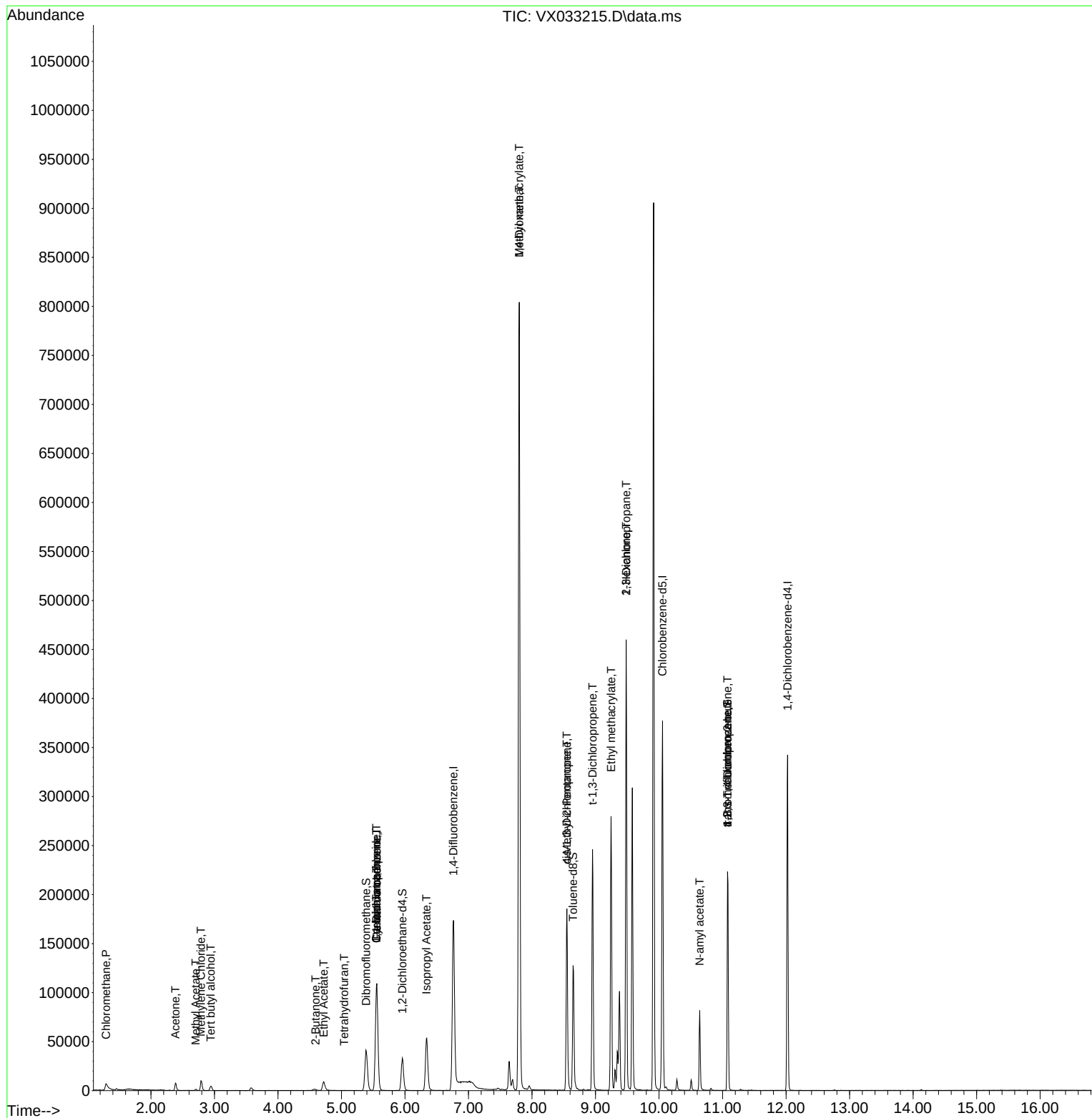
Internal Standards						
1) Pentafluorobenzene	5.556	168	100873	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	171947	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	161852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	33561	32.982	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	65.960%#		
35) Dibromofluoromethane	5.385	113	35218	36.331	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	72.660%#		
50) Toluene-d8	8.647	98	76671	25.218	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	50.440%#		
62) 4-Bromofluorobenzene	11.079	95	58863	46.226	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.460%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	291	0.350	ug/l #	43
11) Tert butyl alcohol	2.940	59	2901	18.629	ug/l #	72
16) Acetone	2.386	43	9367	20.417	ug/l	97
18) Methyl Acetate	2.703	43	1589	1.251	ug/l	92
20) Methylene Chloride	2.788	84	4978	4.022	ug/l #	90
25) 2-Butanone	4.593	43	1064	1.682	ug/l #	78
29) Tetrahydrofuran	5.044	42	100	0.249	ug/l #	31
31) Cyclohexane	5.550	56	2099	1.319	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8007	5.166	ug/l #	49
37) Ethyl Acetate	4.721	43	15819	11.698	ug/l	97
38) Carbon Tetrachloride	5.550	117	10525	6.121	ug/l #	14
43) Isopropyl Acetate	6.336	43	73902	33.045	ug/l	99
48) Methyl methacrylate	7.799	41	72013	62.557	ug/l #	43
49) 1,4-Dioxane	7.799	88	153	7.220	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	63331	45.892	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	489	1.790	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	27360	15.673	ug/l #	63
56) Ethyl methacrylate	9.244	69	660	0.412	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3775	2.009	ug/l #	42
59) 2-Hexanone	9.482	43	54229	53.195	ug/l #	51
74) N-amyl acetate	10.640	43	19366	11.287	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	31285	23.405	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	31285	76.076	ug/l #	6

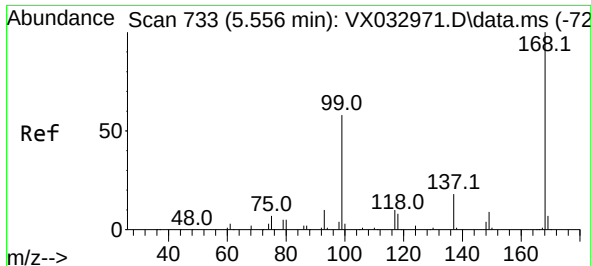
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 05 01:13:48 2022
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Quant Title : SW846 8260
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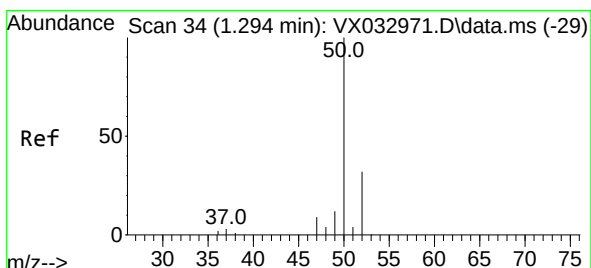
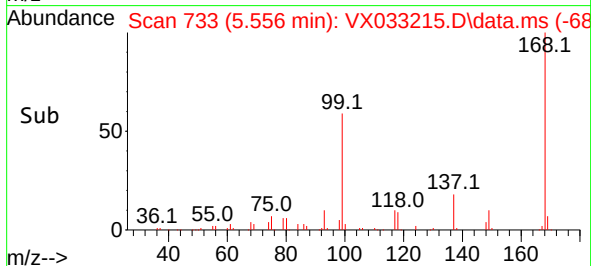
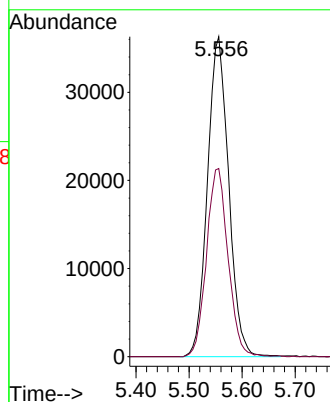
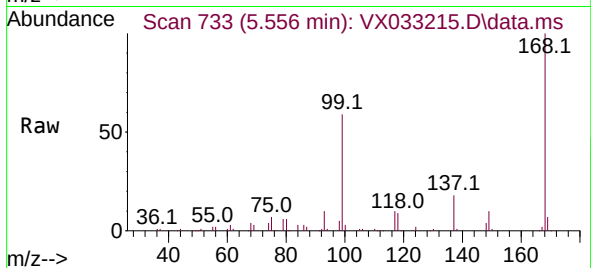




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033215.D
Acq: 03 Dec 2022 02:34

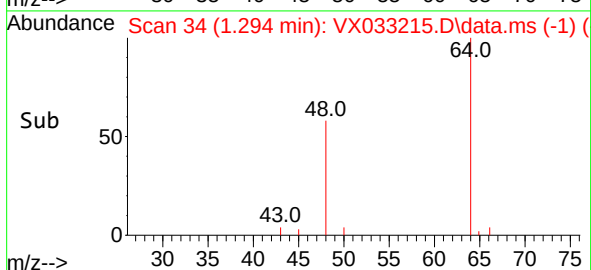
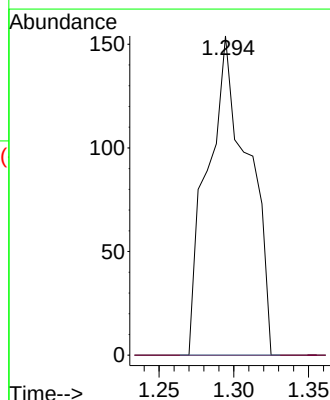
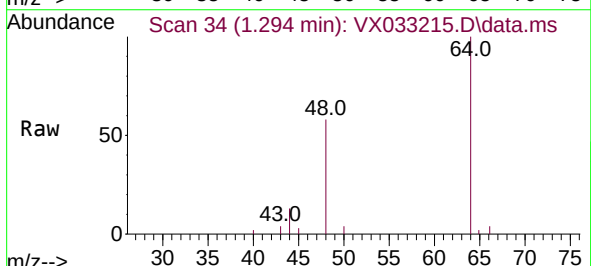
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#09

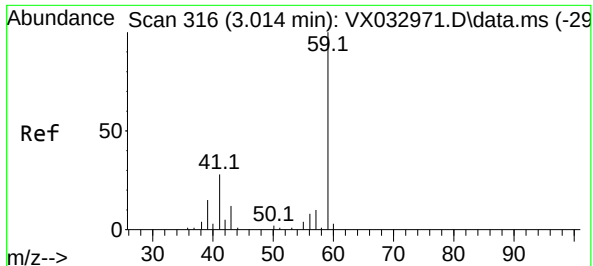
Tgt Ion:168 Resp: 100873
Ion Ratio Lower Upper
168 100
99 58.8 46.1 69.1



#3
Chloromethane
Concen: 0.350 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX033215.D
Acq: 03 Dec 2022 02:34

Tgt Ion: 50 Resp: 291
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 18.629 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.025 min

Lab File: VX033215.D

Acq: 03 Dec 2022 02:34

Instrument :

MSVOA_X

ClientSampleId :

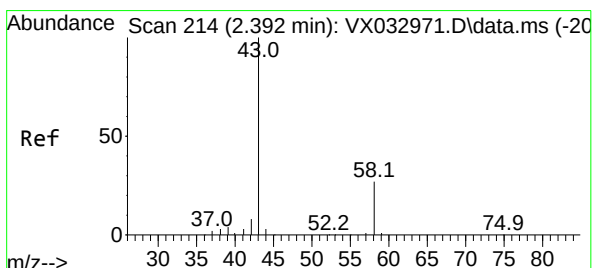
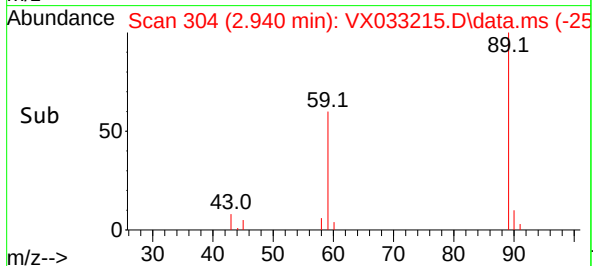
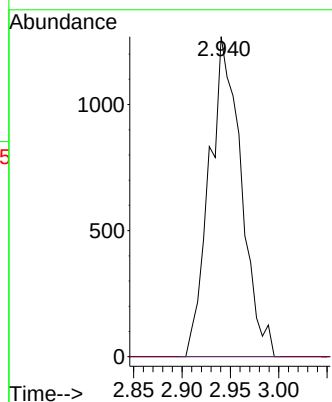
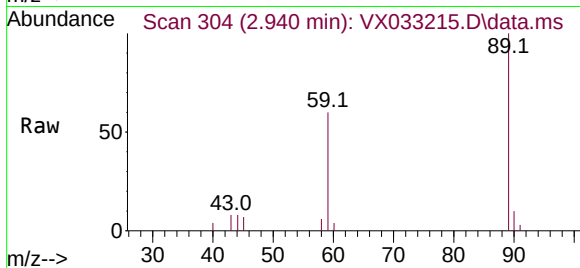
PB149377ZHE#09

Tgt Ion: 59 Resp: 2901

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 20.417 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX033215.D

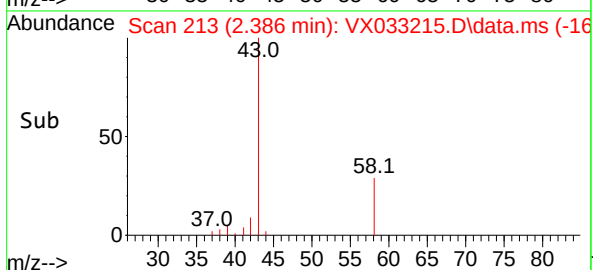
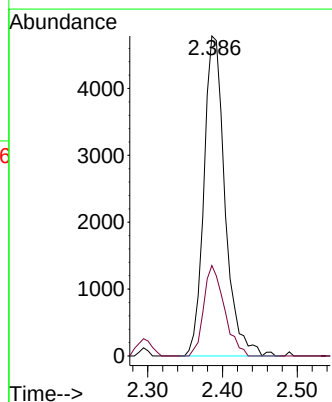
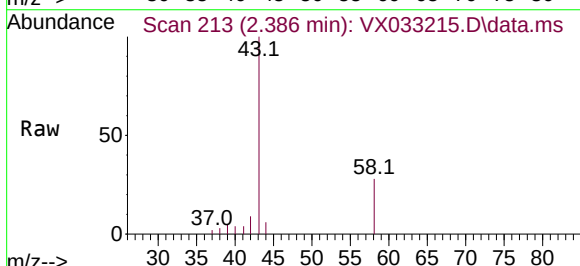
Acq: 03 Dec 2022 02:34

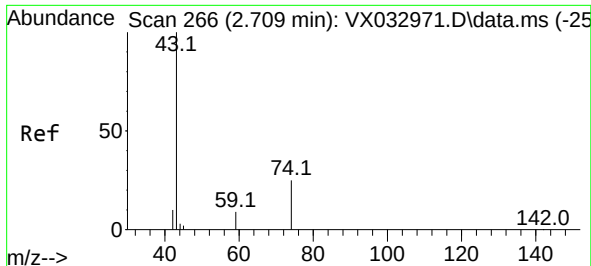
Tgt Ion: 43 Resp: 9367

Ion Ratio Lower Upper

43 100

58 28.3 23.8 35.8





#18

Methyl Acetate

Concen: 1.251 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX033215.D

Acq: 03 Dec 2022 02:34

Instrument :

MSVOA_X

ClientSampleId :

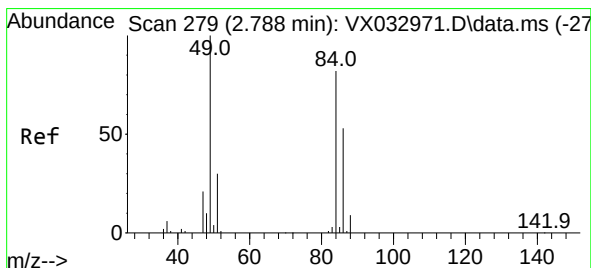
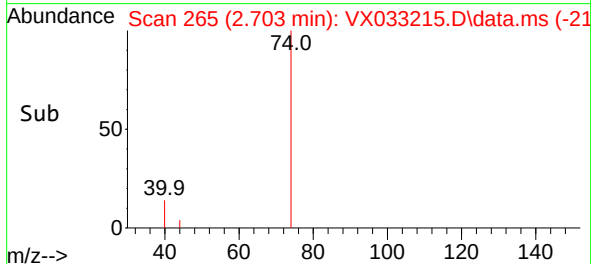
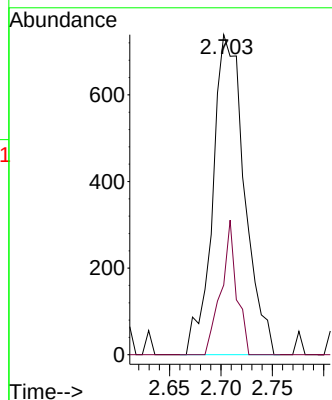
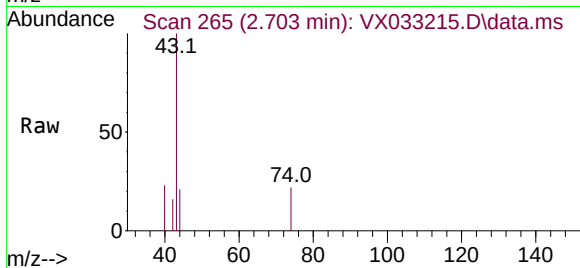
PB149377ZHE#09

Tgt Ion: 43 Resp: 1589

Ion Ratio Lower Upper

43 100

74 20.4 19.4 29.0



#20

Methylene Chloride

Concen: 4.022 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX033215.D

Acq: 03 Dec 2022 02:34

Tgt Ion: 84 Resp: 4978

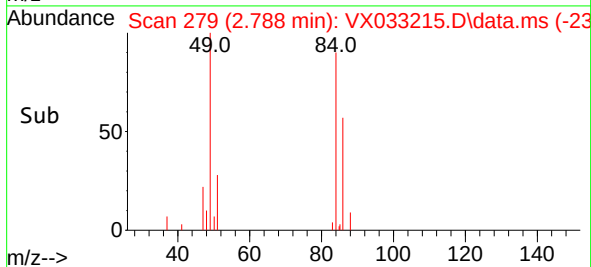
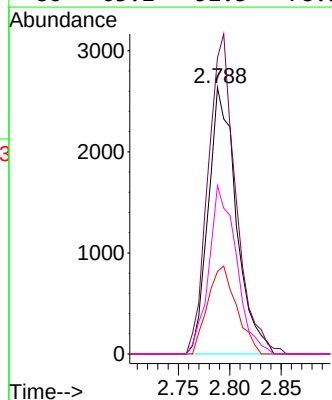
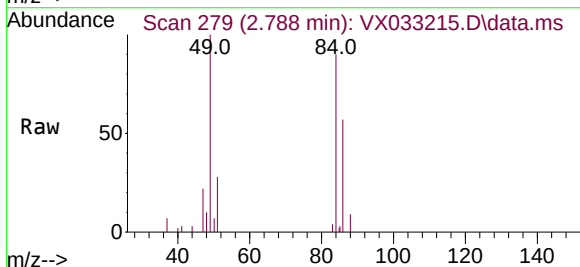
Ion Ratio Lower Upper

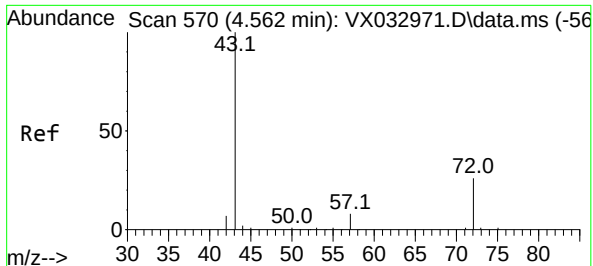
84 100

49 111.1 101.0 151.6

51 30.9 31.1 46.7#

86 63.2 52.3 78.5





#25

2-Butanone

Concen: 1.682 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.037 min

Lab File: VX033215.D

Acq: 03 Dec 2022 02:34

Instrument :

MSVOA_X

ClientSampleId :

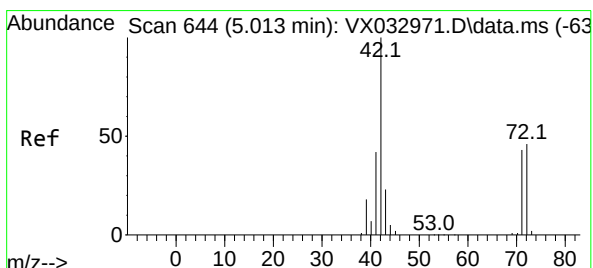
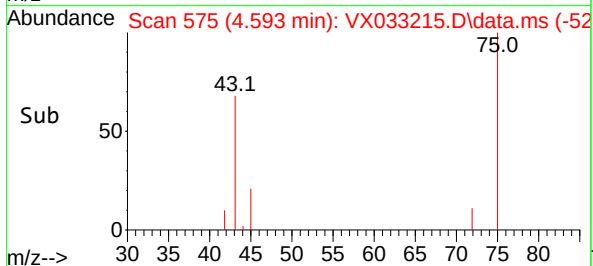
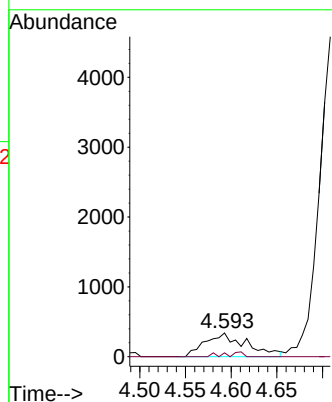
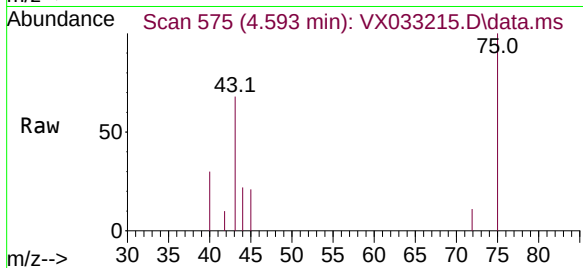
PB149377ZHE#09

Tgt Ion: 43 Resp: 1064

Ion Ratio Lower Upper

43 100

72 16.2 22.2 33.2#



#29

Tetrahydrofuran

Concen: 0.249 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.043 min

Lab File: VX033215.D

Acq: 03 Dec 2022 02:34

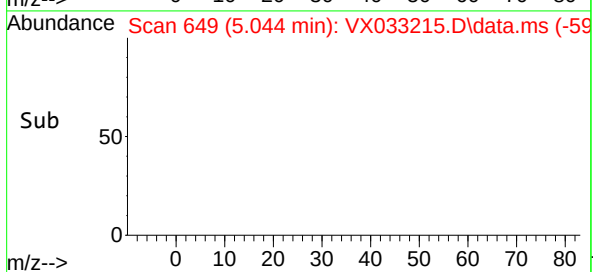
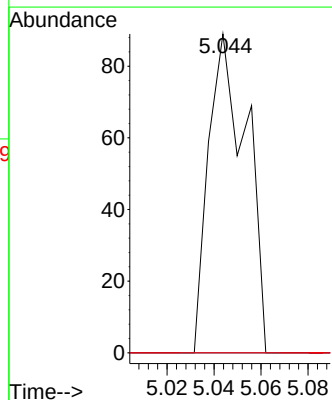
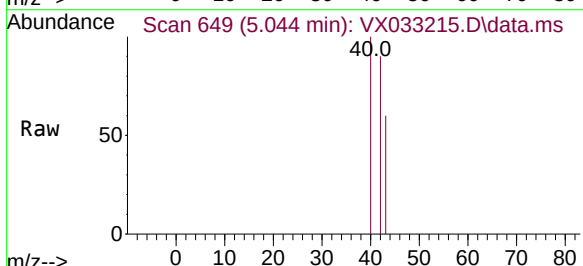
Tgt Ion: 42 Resp: 100

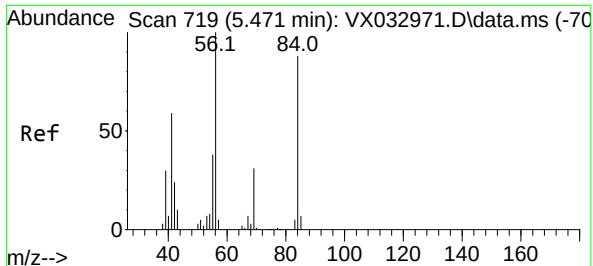
Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

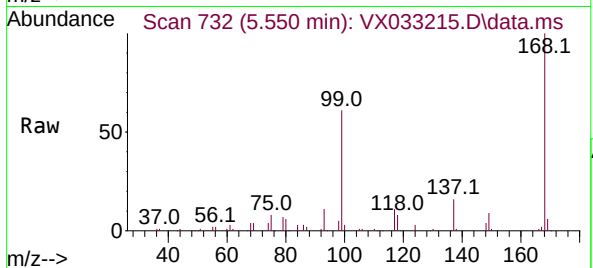
71 0.0 34.7 52.1#



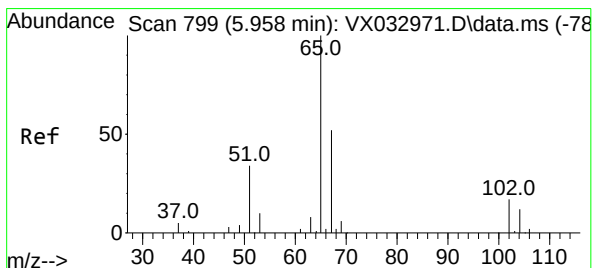
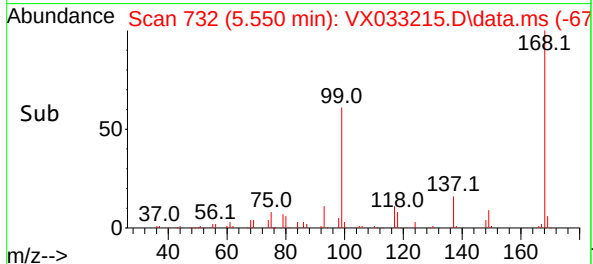
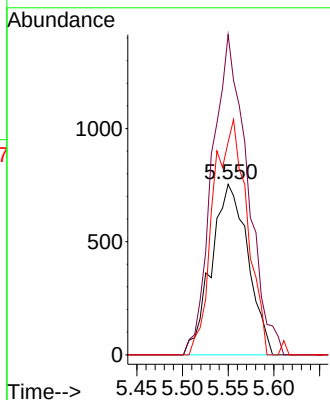


#31
Cyclohexane
Concen: 1.319 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX033215.D
Acq: 03 Dec 2022 02:34

Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#09

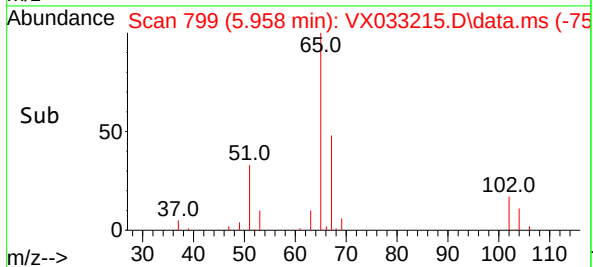
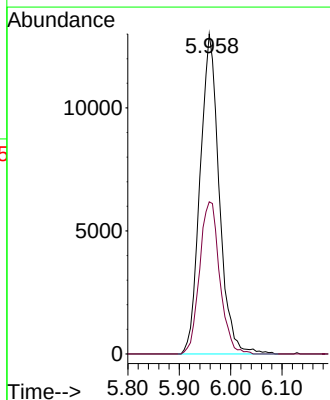
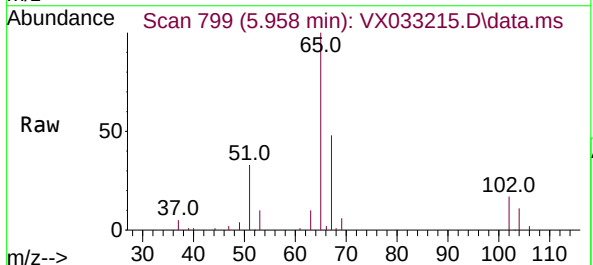


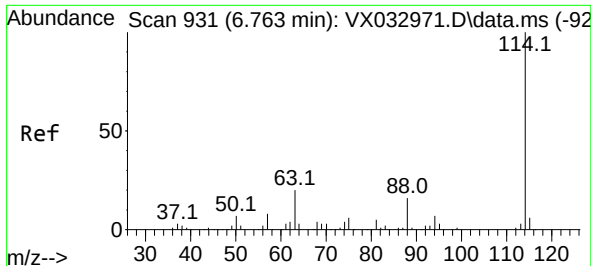
Tgt Ion: 56 Resp: 2099
Ion Ratio Lower Upper
56 100
69 187.7 24.1 36.1#
84 124.7 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 32.982 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033215.D
Acq: 03 Dec 2022 02:34

Tgt Ion: 65 Resp: 33561
Ion Ratio Lower Upper
65 100
67 50.0 0.0 101.8

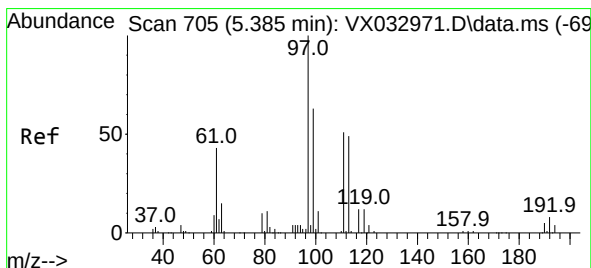
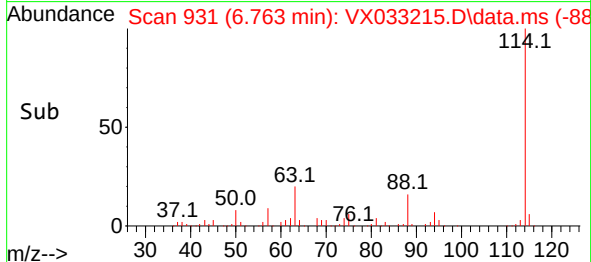
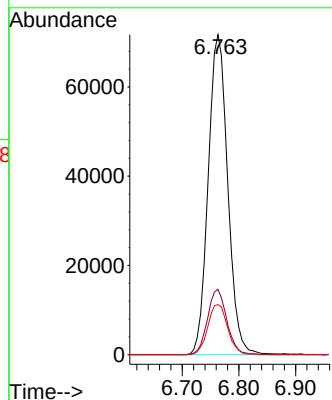
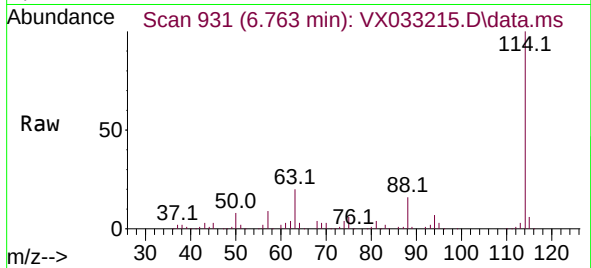




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033215.D
Acq: 03 Dec 2022 02:34

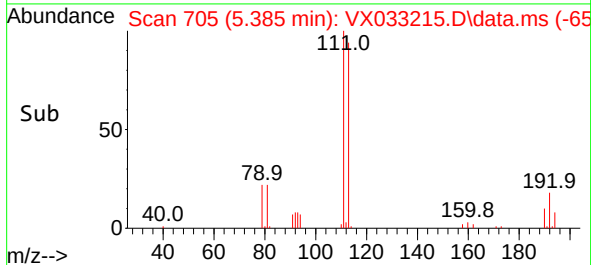
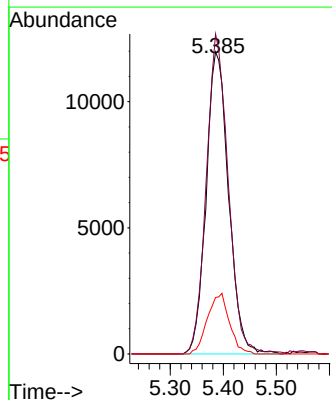
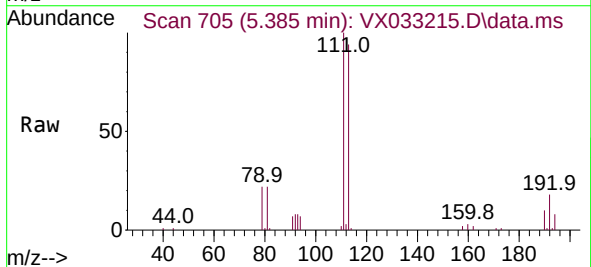
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#09

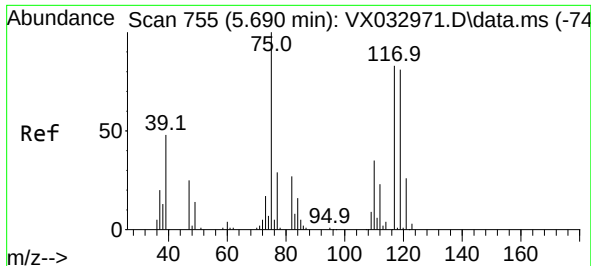
Tgt Ion:114 Resp: 171947
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.6
88 15.7 0.0 33.4



#35
Dibromofluoromethane
Concen: 36.331 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033215.D
Acq: 03 Dec 2022 02:34

Tgt Ion:113 Resp: 35218
Ion Ratio Lower Upper
113 100
111 103.3 82.4 123.6
192 19.7 15.4 23.2





#36

1,1-Dichloropropene

Concen: 5.166 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX033215.D

Acq: 03 Dec 2022 02:34

Instrument :

MSVOA_X

ClientSampleId :

PB149377ZHE#09

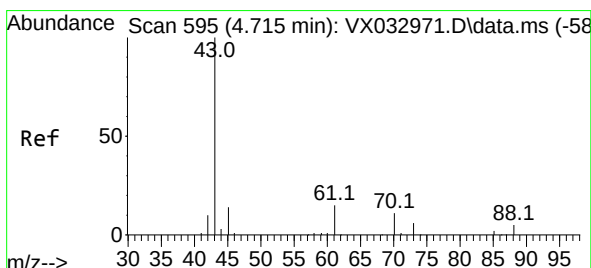
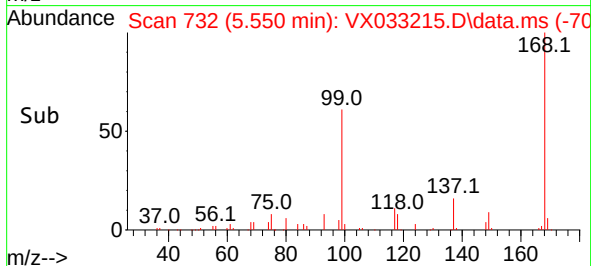
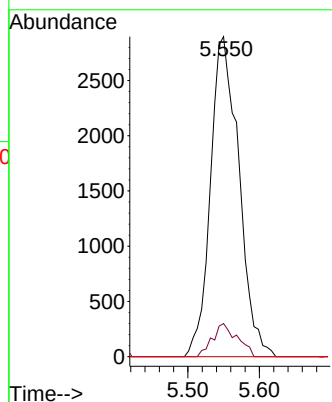
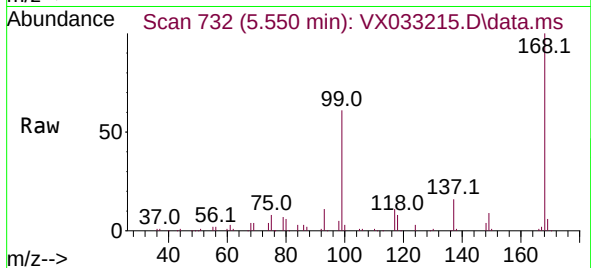
Tgt Ion: 75 Resp: 8007

Ion Ratio Lower Upper

75 100

110 9.0 18.4 55.2#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 11.698 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX033215.D

Acq: 03 Dec 2022 02:34

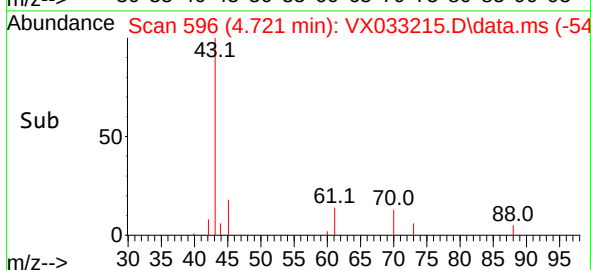
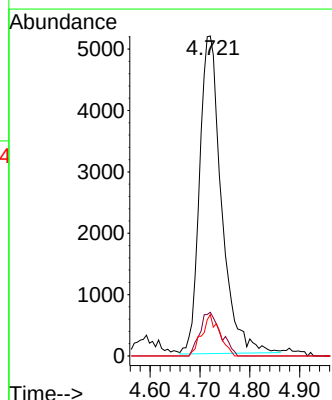
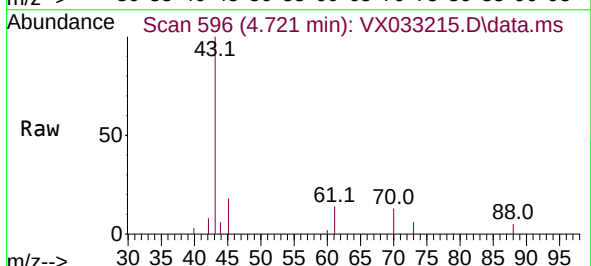
Tgt Ion: 43 Resp: 15819

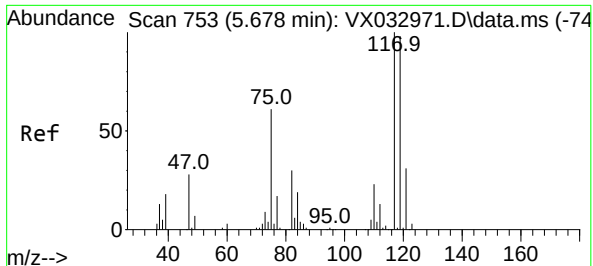
Ion Ratio Lower Upper

43 100

61 13.0 11.5 17.3

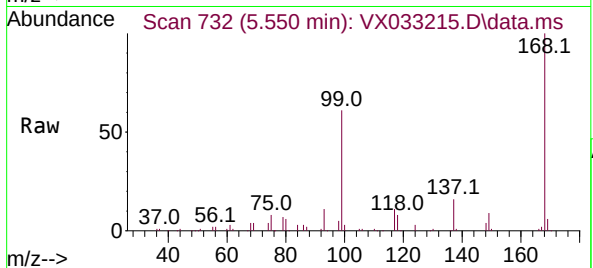
70 10.5 9.1 13.7



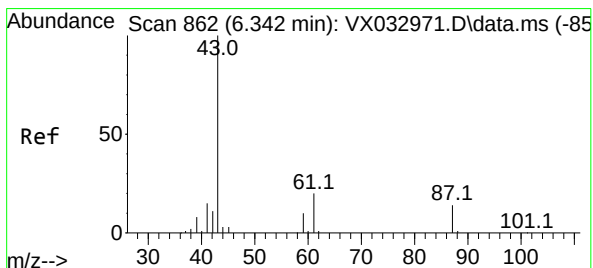
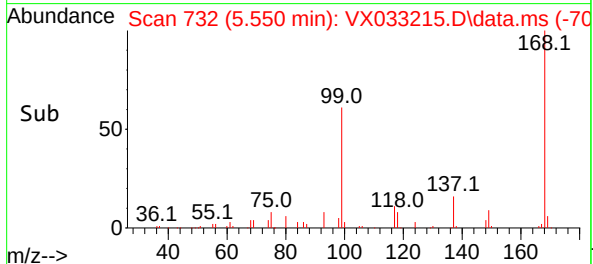
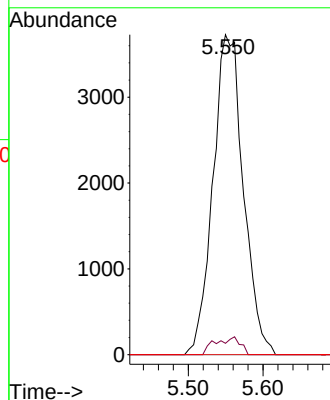


#38
Carbon Tetrachloride
Concen: 6.121 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX033215.D
Acq: 03 Dec 2022 02:34

Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#09

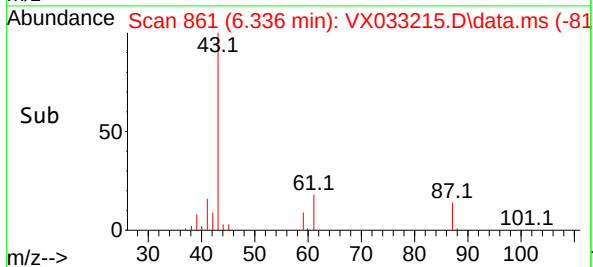
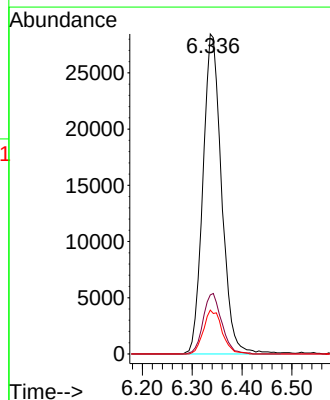
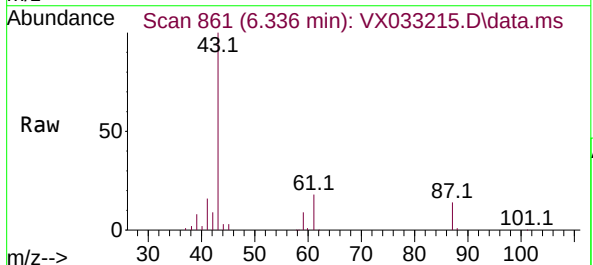


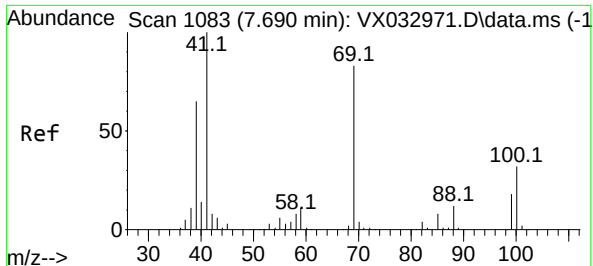
Tgt Ion:117 Resp: 10525
Ion Ratio Lower Upper
117 100
119 3.5 77.2 115.8#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 33.045 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX033215.D
Acq: 03 Dec 2022 02:34

Tgt Ion: 43 Resp: 73902
Ion Ratio Lower Upper
43 100
61 18.8 15.4 23.0
87 13.7 10.8 16.2





#48

Methyl methacrylate

Concen: 62.557 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX033215.D

Acq: 03 Dec 2022 02:34

Instrument :

MSVOA_X

ClientSampleId :

PB149377ZHE#09

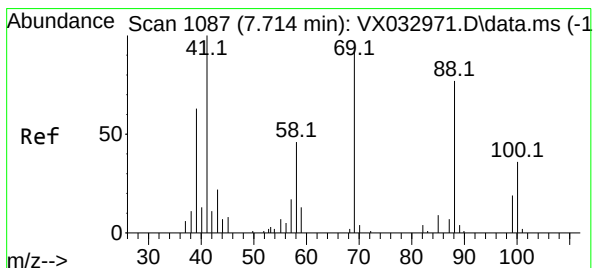
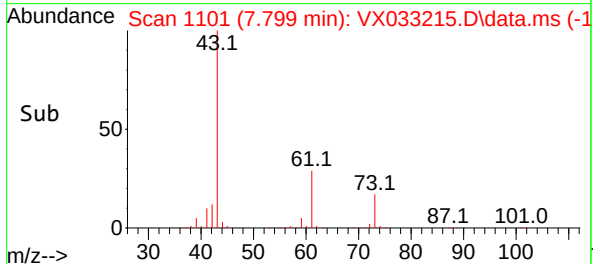
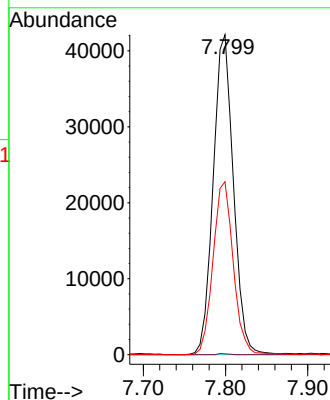
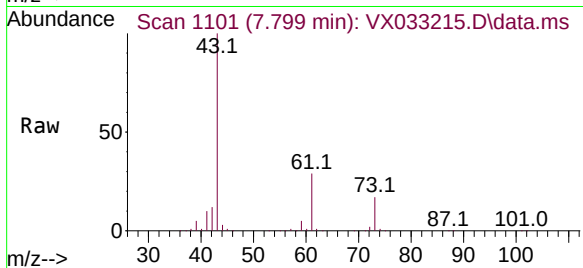
Tgt Ion: 41 Resp: 72013

Ion Ratio Lower Upper

41 100

69 0.2 65.1 97.7#

39 54.3 51.9 77.9



#49

1,4-Dioxane

Concen: 7.220 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.128 min

Lab File: VX033215.D

Acq: 03 Dec 2022 02:34

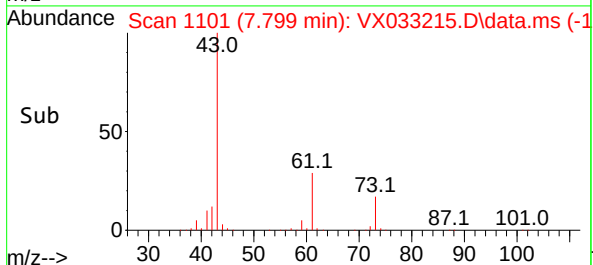
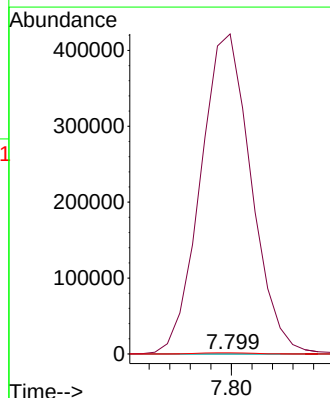
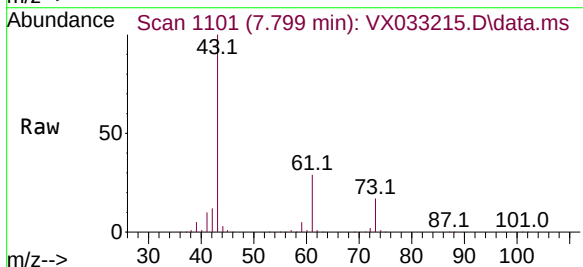
Tgt Ion: 88 Resp: 153

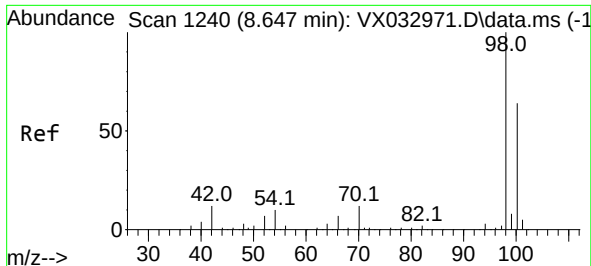
Ion Ratio Lower Upper

88 100

43 474983.0 26.6 39.8#

58 1873.2 51.7 77.5#

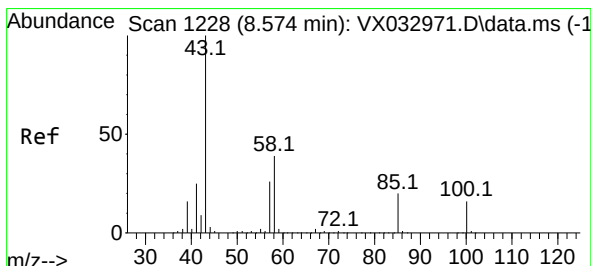
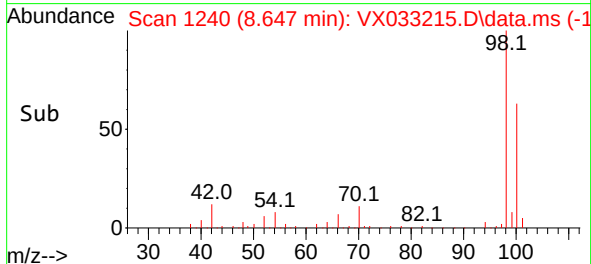
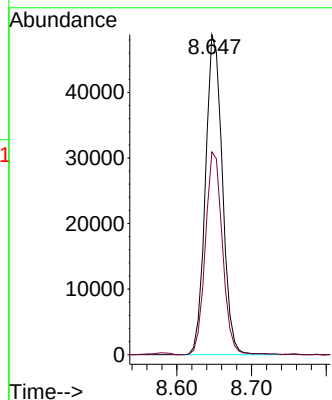
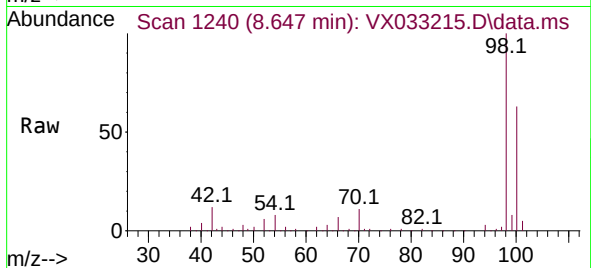




#50
Toluene-d8
Concen: 25.218 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033215.D
Acq: 03 Dec 2022 02:34

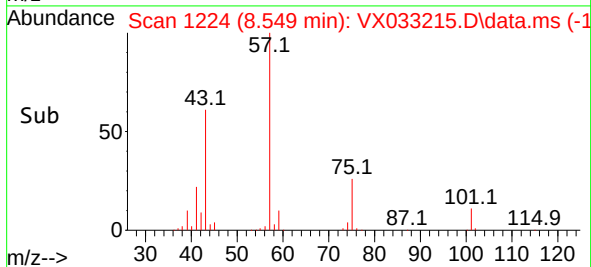
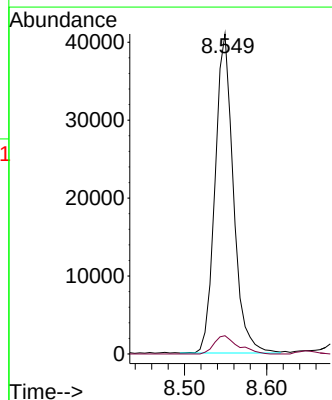
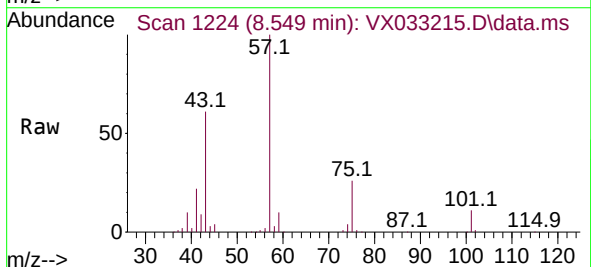
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#09

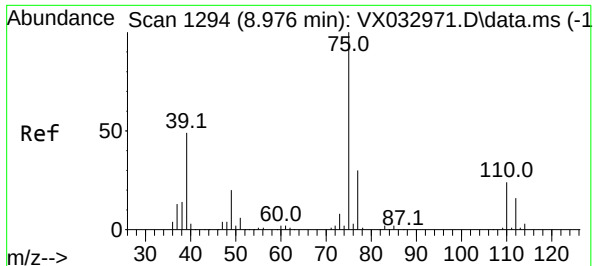
Tgt Ion: 98 Resp: 76671
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 45.892 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX033215.D
Acq: 03 Dec 2022 02:34

Tgt Ion: 43 Resp: 63331
Ion Ratio Lower Upper
43 100
58 7.4 30.9 46.3#

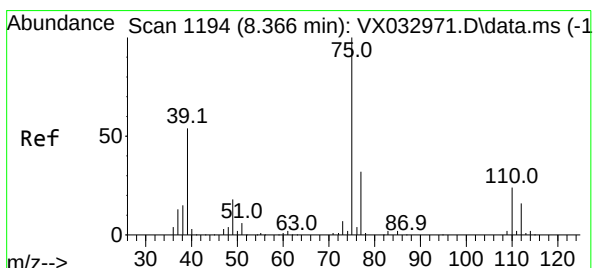
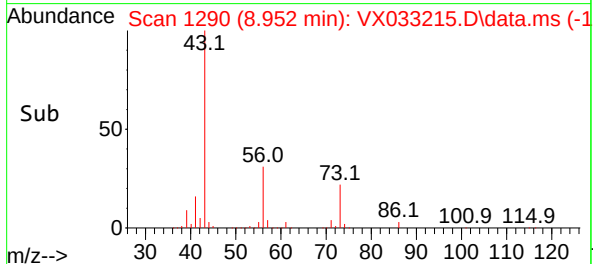
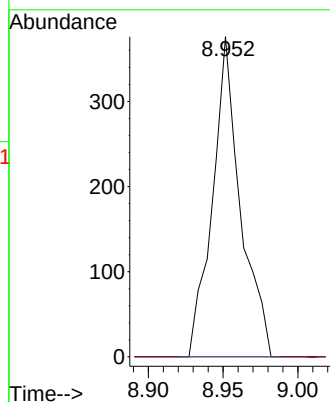
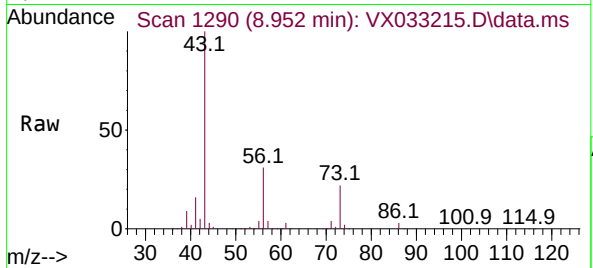




#53
 t-1,3-Dichloropropene
 Concen: 1.790 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.030 min
 Lab File: VX033215.D
 Acq: 03 Dec 2022 02:34

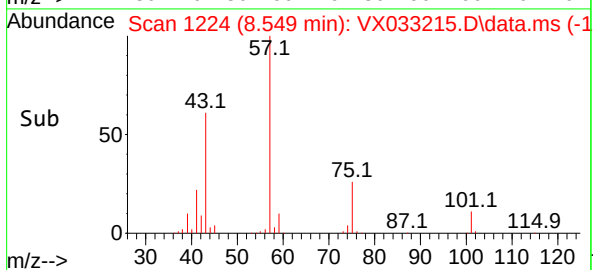
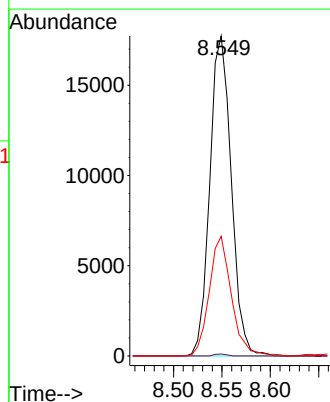
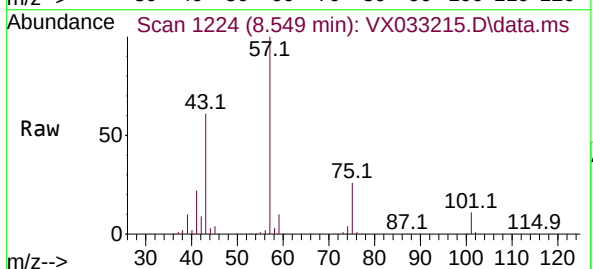
Instrument :
 MSVOA_X
 ClientSampleId :
 PB149377ZHE#09

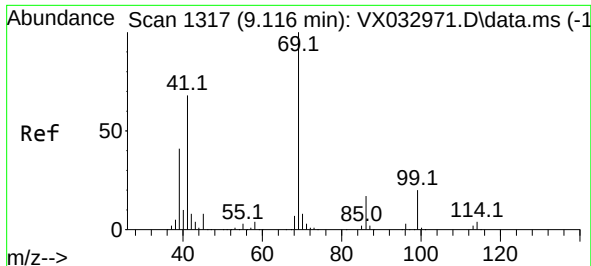
Tgt Ion: 75 Resp: 489
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#



#54
 cis-1,3-Dichloropropene
 Concen: 15.673 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX033215.D
 Acq: 03 Dec 2022 02:34

Tgt Ion: 75 Resp: 27360
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.1 37.7#
 39 37.4 45.5 68.3#

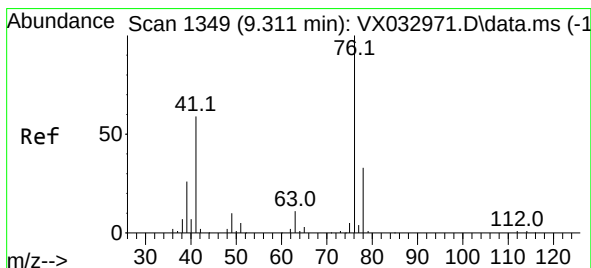
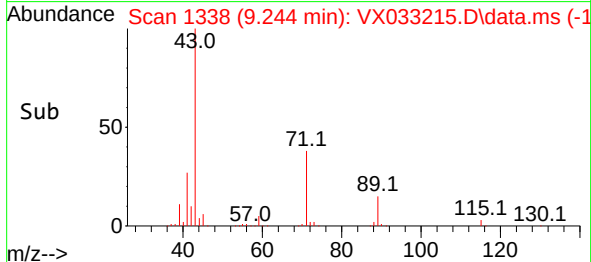
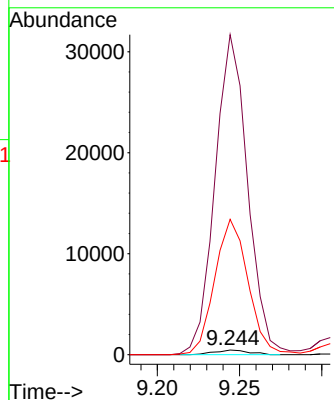
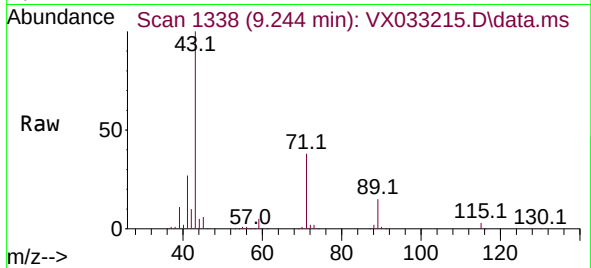




#56
Ethyl methacrylate
Concen: 0.412 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.128 min
Lab File: VX033215.D
Acq: 03 Dec 2022 02:34

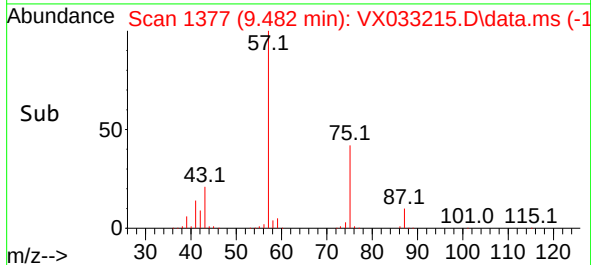
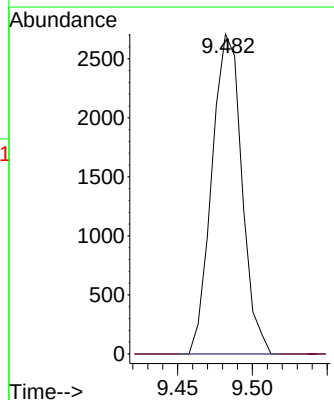
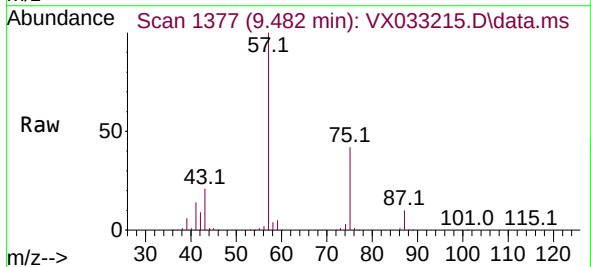
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#09

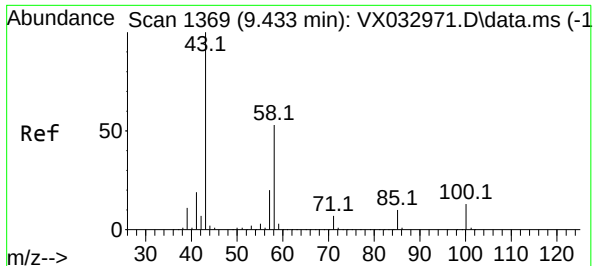
Tgt Ion: 69 Resp: 660
Ion Ratio Lower Upper
69 100
41 6629.8 54.3 81.5#
39 2874.7 35.2 52.8#



#57
1,3-Dichloropropane
Concen: 2.009 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX033215.D
Acq: 03 Dec 2022 02:34

Tgt Ion: 76 Resp: 3775
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 53.195 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033215.D

Acq: 03 Dec 2022 02:34

Instrument :

MSVOA_X

ClientSampleId :

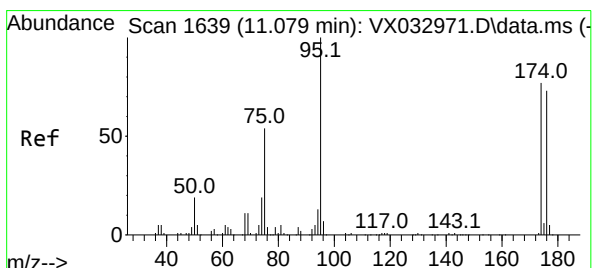
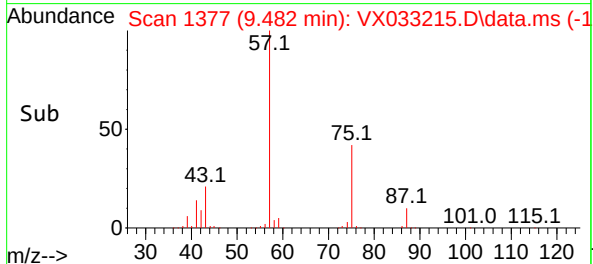
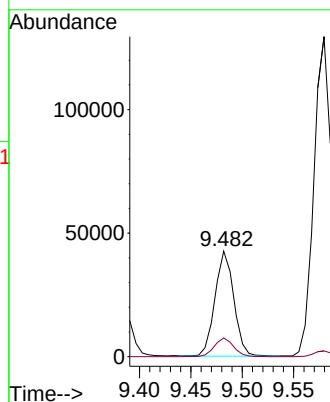
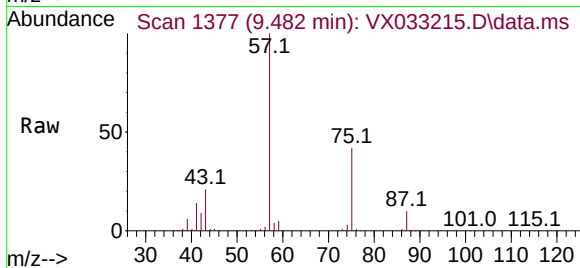
PB149377ZHE#09

Tgt Ion: 43 Resp: 54229

Ion Ratio Lower Upper

43 100

58 18.3 26.5 79.5#



#62

4-Bromofluorobenzene

Concen: 46.226 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX033215.D

Acq: 03 Dec 2022 02:34

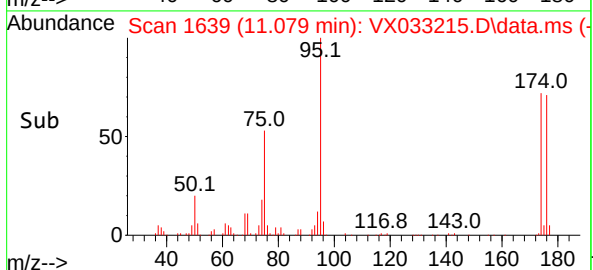
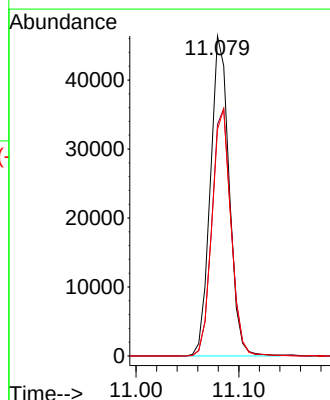
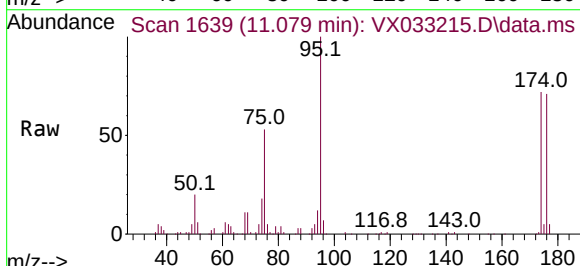
Tgt Ion: 95 Resp: 58863

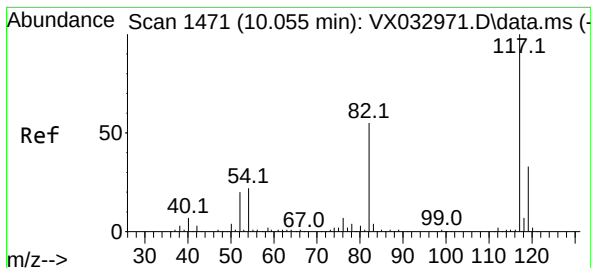
Ion Ratio Lower Upper

95 100

174 78.4 0.0 164.0

176 77.5 0.0 154.4

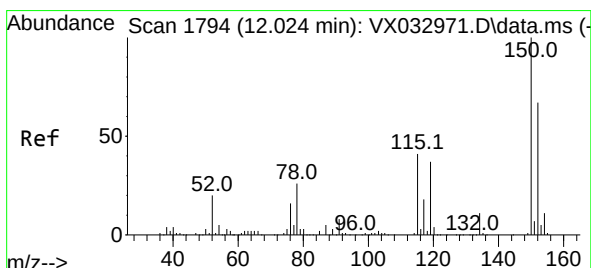
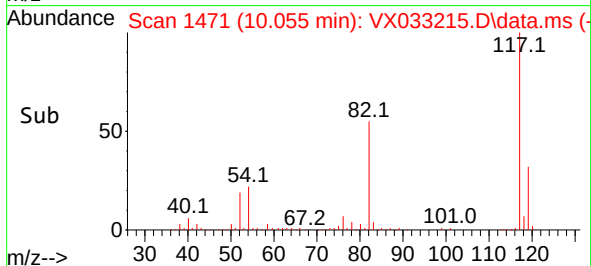
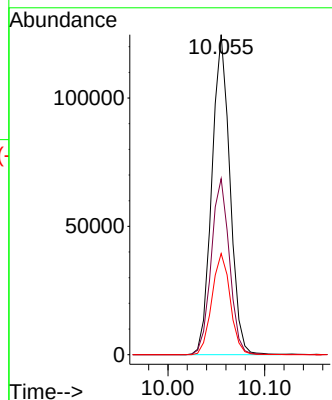
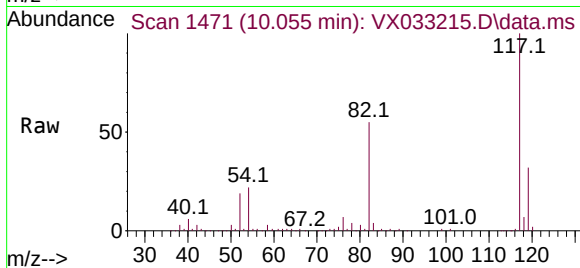




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033215.D
Acq: 03 Dec 2022 02:34

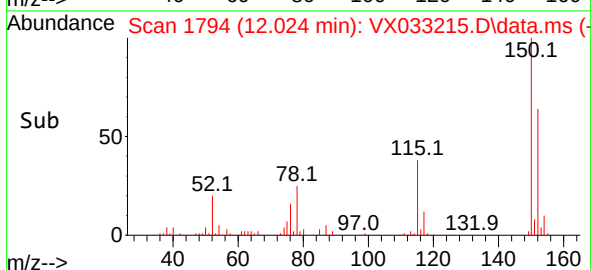
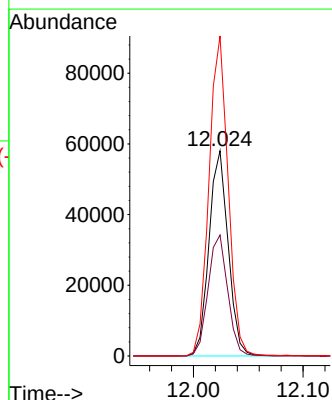
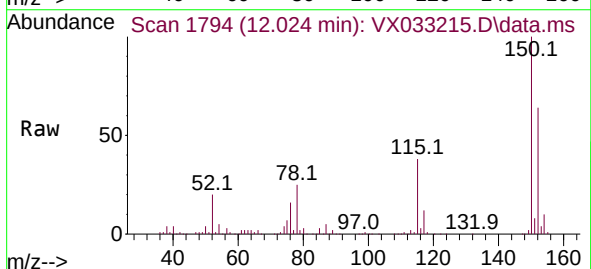
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#09

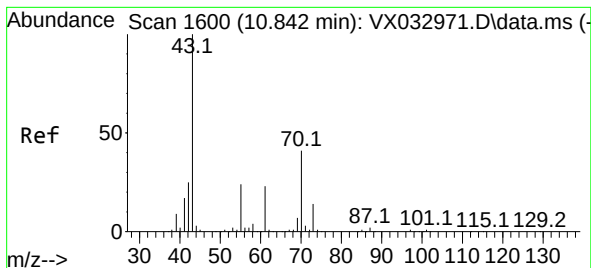
Tgt Ion:117 Resp: 161852
Ion Ratio Lower Upper
117 100
82 55.0 44.3 66.5
119 31.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033215.D
Acq: 03 Dec 2022 02:34

Tgt Ion:152 Resp: 70581
Ion Ratio Lower Upper
152 100
115 60.2 44.0 132.0
150 155.6 0.0 351.8





#74

N-ethyl acetate

Concen: 11.287 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX033215.D

Acq: 03 Dec 2022 02:34

Instrument :

MSVOA_X

ClientSampleId :

PB149377ZHE#09

Tgt Ion: 43 Resp: 19366

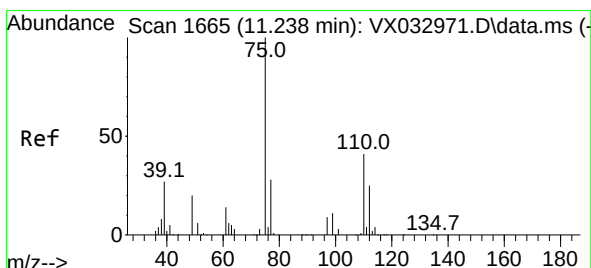
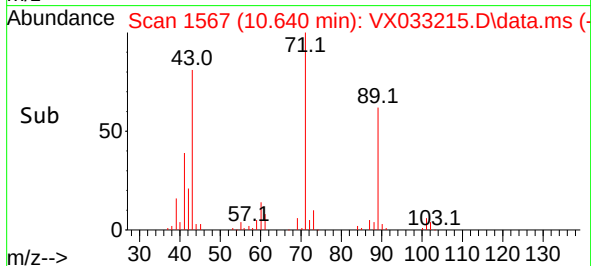
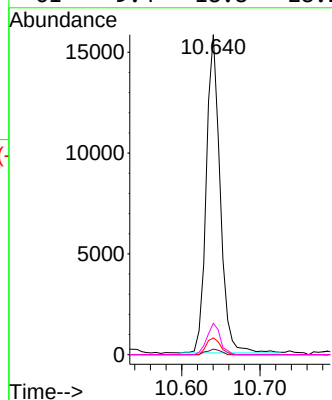
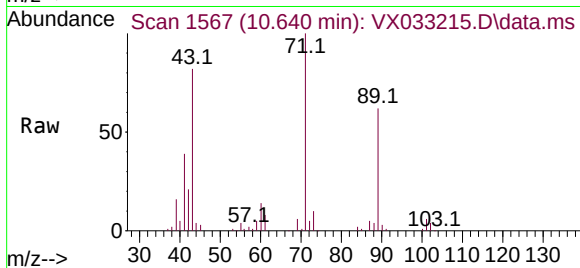
Ion Ratio Lower Upper

43 100

70 1.8 33.6 50.4#

55 5.2 19.4 29.2#

61 9.4 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 23.405 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX033215.D

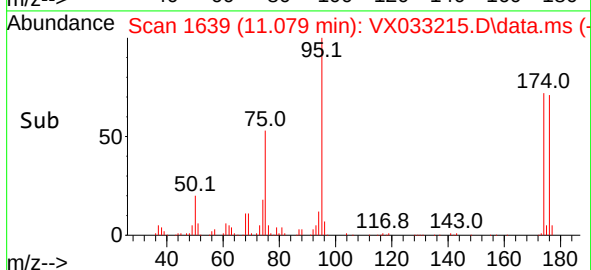
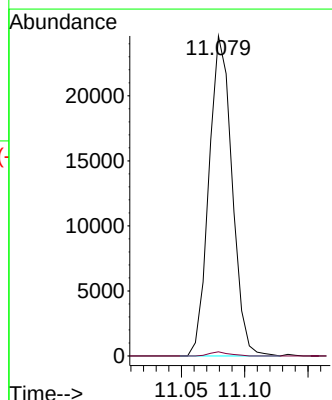
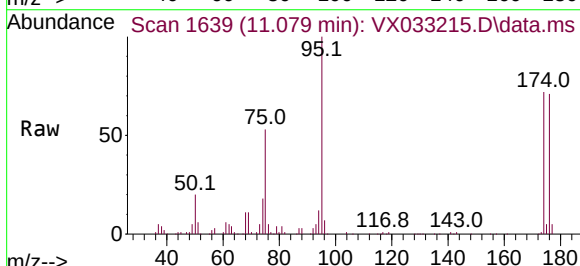
Acq: 03 Dec 2022 02:34

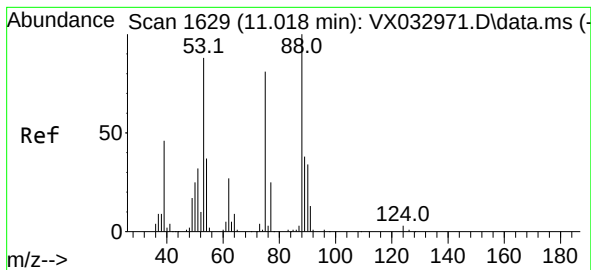
Tgt Ion: 75 Resp: 31285

Ion Ratio Lower Upper

75 100

77 1.1 20.0 60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.076 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX033215.D
 Acq: 03 Dec 2022 02:34

Instrument :
 MSVOA_X
 ClientSampleId :
 PB149377ZHE#09

Tgt Ion: 75 Resp: 31285
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

