

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120222\
 Data File : VX033208.D
 Acq On : 02 Dec 2022 23:52
 Operator : JC/MD
 Sample : PB149377ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB149377ZHE#02

Quant Time: Dec 05 01:11:39 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)

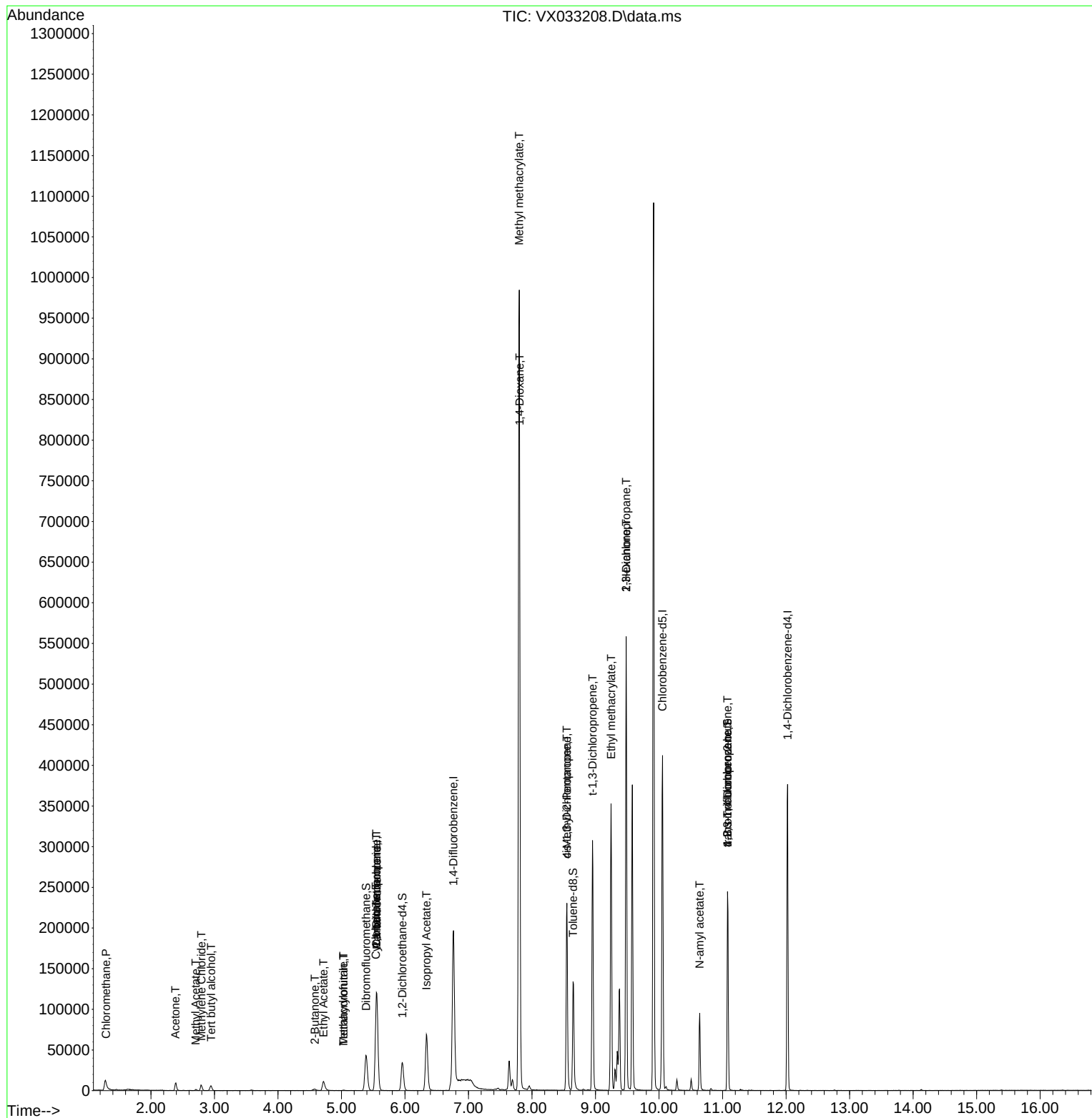
Internal Standards						
1) Pentafluorobenzene	5.556	168	113999	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	191276	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	179389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	35923	31.062	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	62.120%#
35) Dibromofluoromethane	5.385	113	37944	35.187	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	70.380%#
50) Toluene-d8	8.647	98	80104	23.547	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	47.100%#
62) 4-Bromofluorobenzene	11.079	95	62697	44.261	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.520%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	573	0.609	ug/l #	43
11) Tert butyl alcohol	2.947	59	3619	20.564	ug/l #	72
16) Acetone	2.386	43	11912	22.975	ug/l	100
18) Methyl Acetate	2.703	43	1690	1.178	ug/l	93
20) Methylene Chloride	2.794	84	3581	2.076	ug/l	87
25) 2-Butanone	4.580	43	990	1.385	ug/l #	73
29) Tetrahydrofuran	5.032	42	429	0.946	ug/l #	51
31) Cyclohexane	5.544	56	2355	1.309	ug/l #	23
36) 1,1-Dichloropropene	5.550	75	8957	5.195	ug/l #	49
37) Ethyl Acetate	4.715	43	19809	13.168	ug/l	99
38) Carbon Tetrachloride	5.550	117	11934	6.239	ug/l #	15
41) Methacrylonitrile	5.032	41	190	0.224	ug/l #	32
43) Isopropyl Acetate	6.336	43	92803	37.303	ug/l	99
48) Methyl methacrylate	7.799	41	87582	68.393	ug/l #	44
49) 1,4-Dioxane	7.806	88	82	3.479	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	78145	50.904	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	670	1.853	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	35034	18.041	ug/l #	60
56) Ethyl methacrylate	9.244	69	818	0.458	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4390	2.100	ug/l #	42
59) 2-Hexanone	9.482	43	65925	58.133	ug/l #	51
74) N-amyl acetate	10.640	43	24566	12.844	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	33782	22.671	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33782	73.690	ug/l #	6

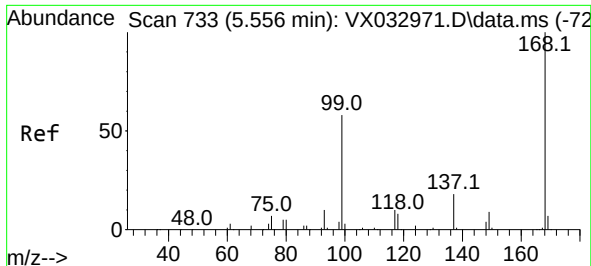
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Dec 05 01:11:39 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
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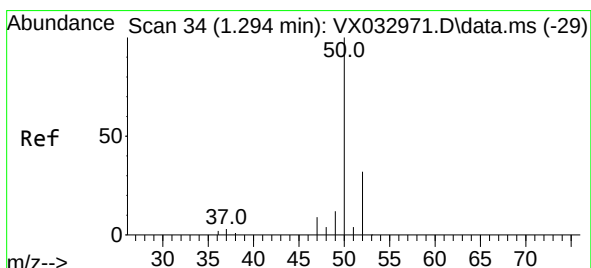
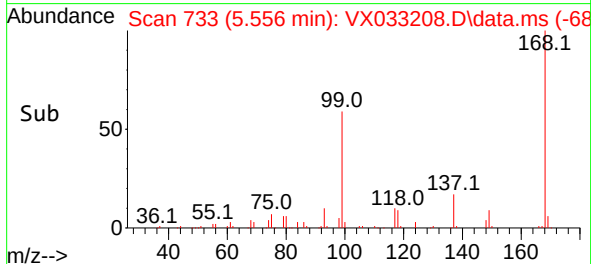
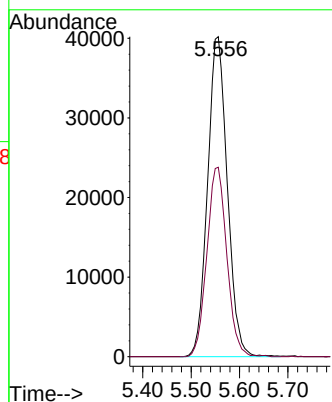
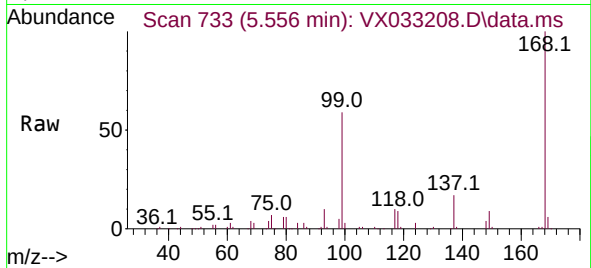




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033208.D
Acq: 02 Dec 2022 23:52

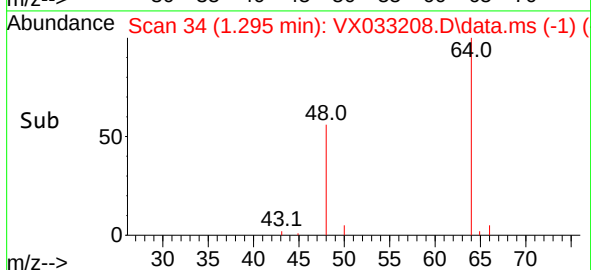
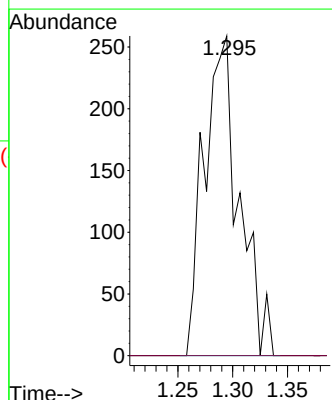
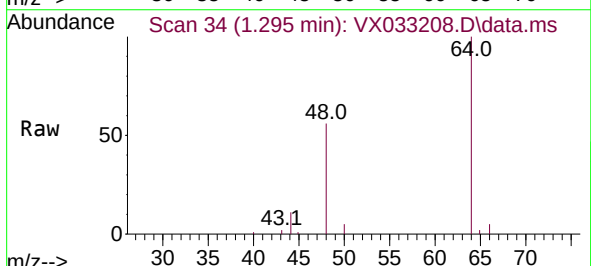
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#02

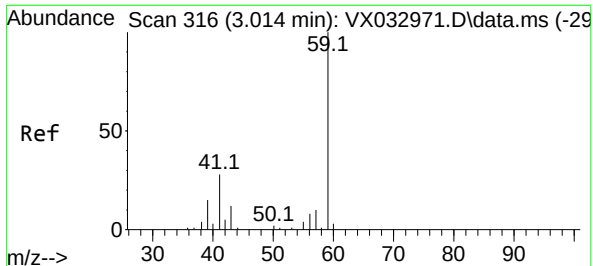
Tgt Ion:168 Resp: 113999
Ion Ratio Lower Upper
168 100
99 59.2 46.1 69.1



#3
Chloromethane
Concen: 0.609 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX033208.D
Acq: 02 Dec 2022 23:52

Tgt Ion: 50 Resp: 573
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

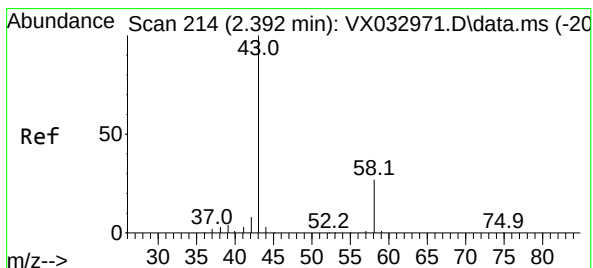
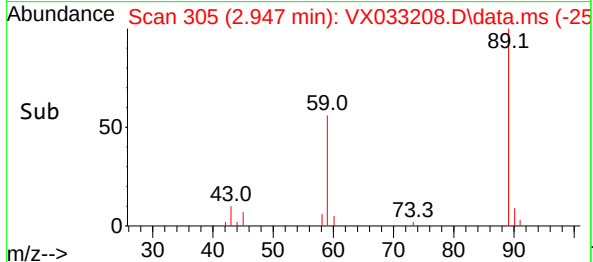
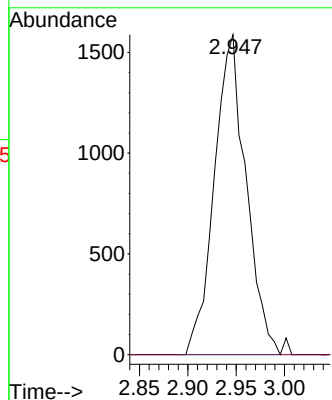
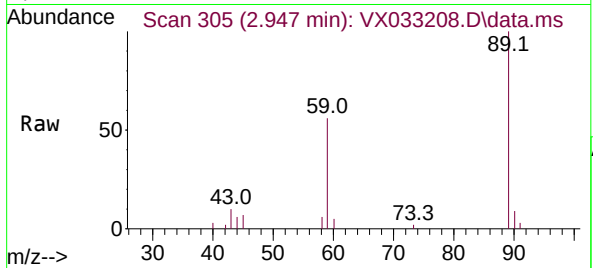




#11
Tert butyl alcohol
Concen: 20.564 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX033208.D
Acq: 02 Dec 2022 23:52

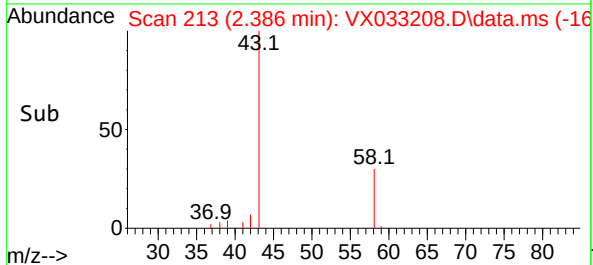
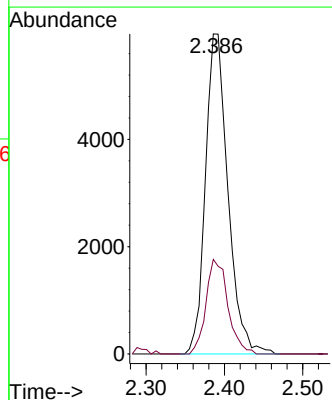
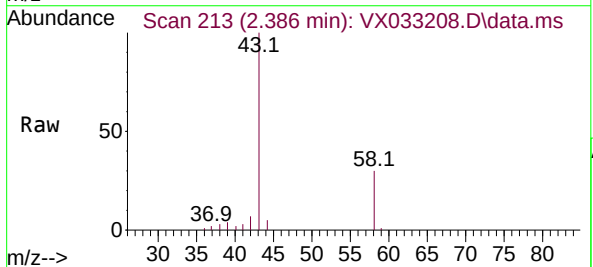
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#02

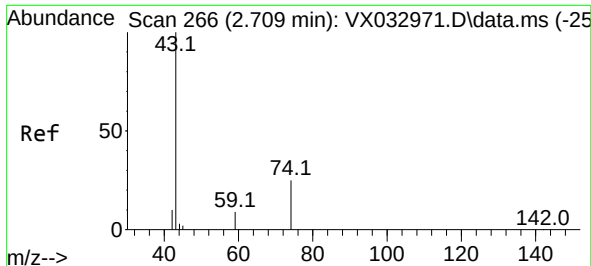
Tgt Ion: 59 Resp: 3619
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 22.975 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX033208.D
Acq: 02 Dec 2022 23:52

Tgt Ion: 43 Resp: 11912
Ion Ratio Lower Upper
43 100
58 29.5 23.8 35.8

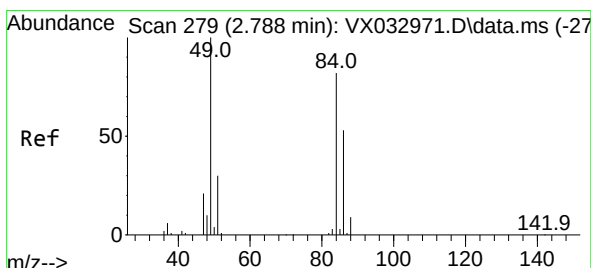
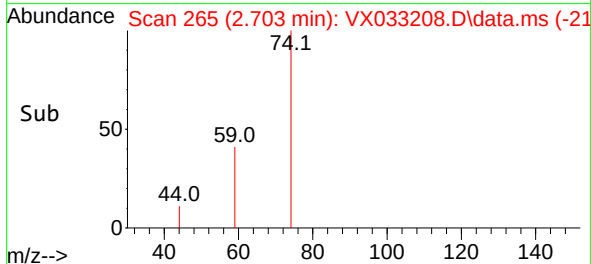
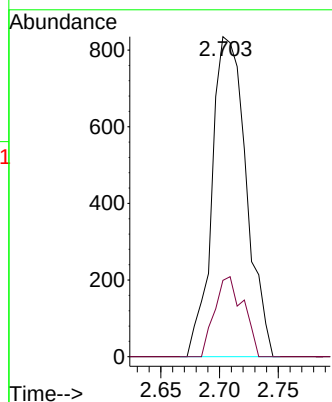
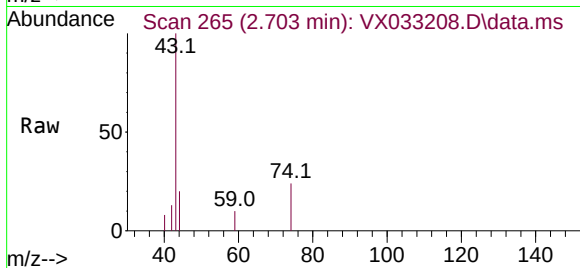




#18
Methyl Acetate
Concen: 1.178 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033208.D
Acq: 02 Dec 2022 23:52

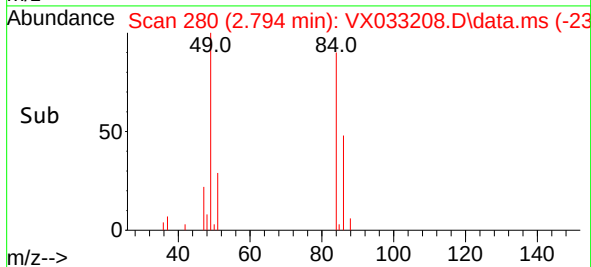
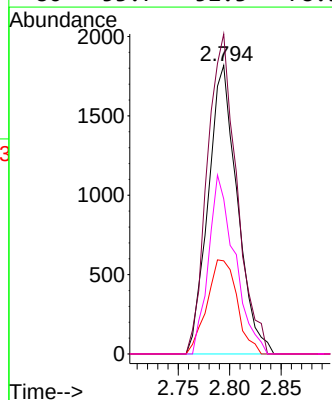
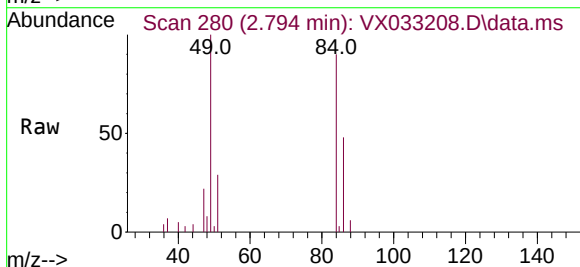
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#02

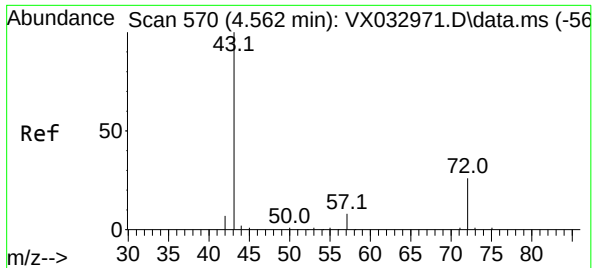
Tgt Ion: 43 Resp: 1690
Ion Ratio Lower Upper
43 100
74 20.9 19.4 29.0



#20
Methylene Chloride
Concen: 2.076 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX033208.D
Acq: 02 Dec 2022 23:52

Tgt Ion: 84 Resp: 3581
Ion Ratio Lower Upper
84 100
49 110.9 101.0 151.6
51 32.3 31.1 46.7
86 53.7 52.3 78.5

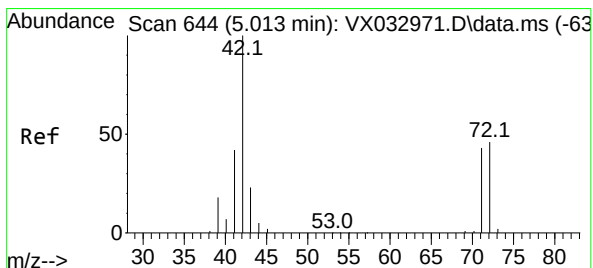
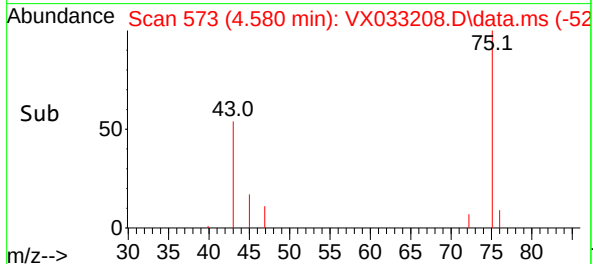
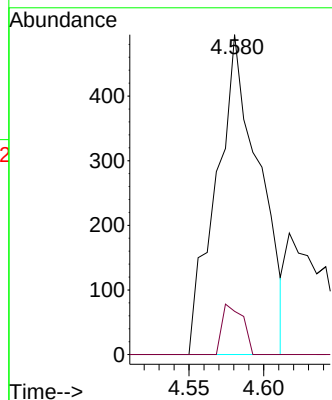
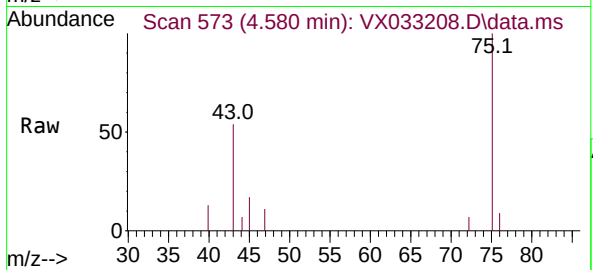




#25
2-Butanone
Concen: 1.385 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX033208.D
Acq: 02 Dec 2022 23:52

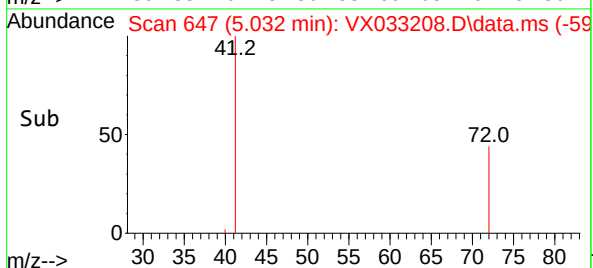
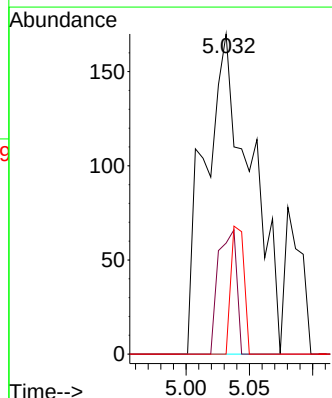
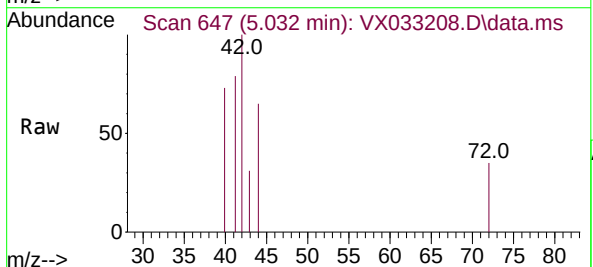
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#02

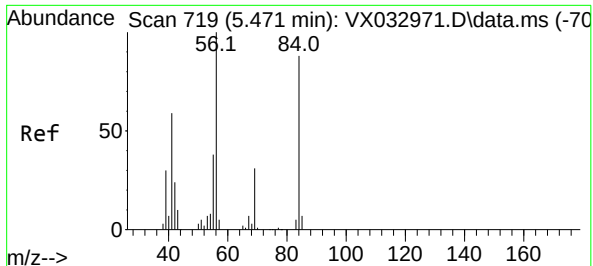
Tgt Ion: 43 Resp: 990
Ion Ratio Lower Upper
43 100
72 13.5 22.2 33.2#



#29
Tetrahydrofuran
Concen: 0.946 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.031 min
Lab File: VX033208.D
Acq: 02 Dec 2022 23:52

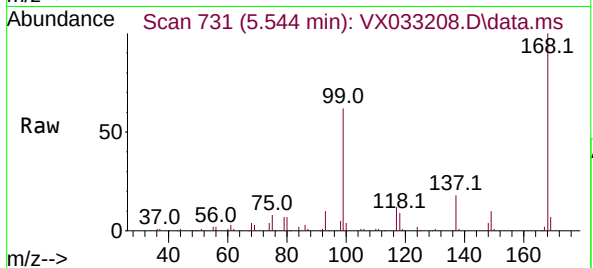
Tgt Ion: 42 Resp: 429
Ion Ratio Lower Upper
42 100
72 15.4 37.6 56.4#
71 11.4 34.7 52.1#



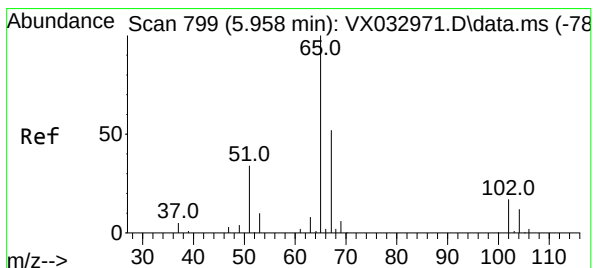
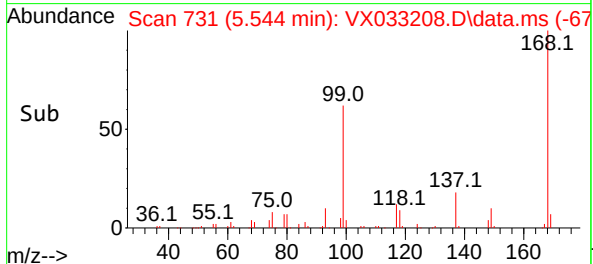
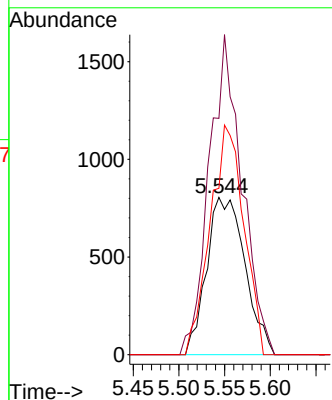


#31
Cyclohexane
Concen: 1.309 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.074 min
Lab File: VX033208.D
Acq: 02 Dec 2022 23:52

Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#02

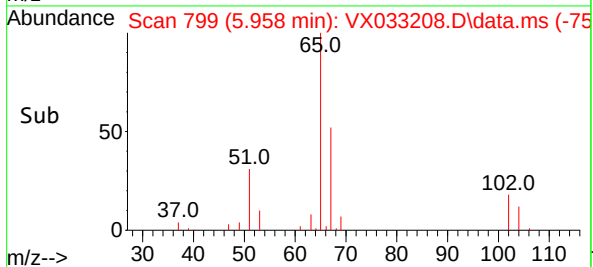
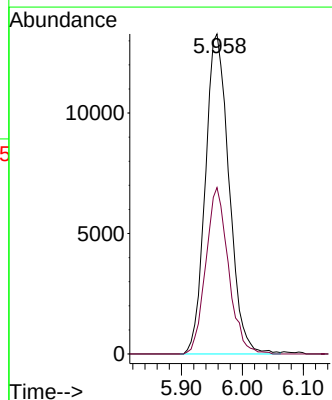
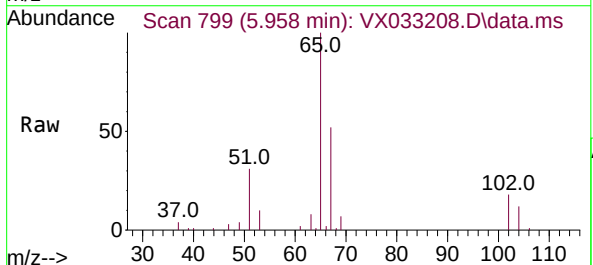


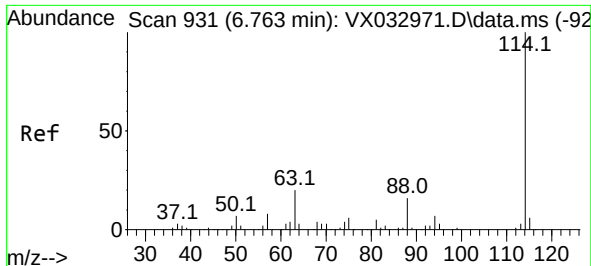
Tgt Ion: 56 Resp: 2355
Ion Ratio Lower Upper
56 100
69 150.3 24.1 36.1#
84 105.8 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 31.062 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033208.D
Acq: 02 Dec 2022 23:52

Tgt Ion: 65 Resp: 35923
Ion Ratio Lower Upper
65 100
67 49.8 0.0 101.8

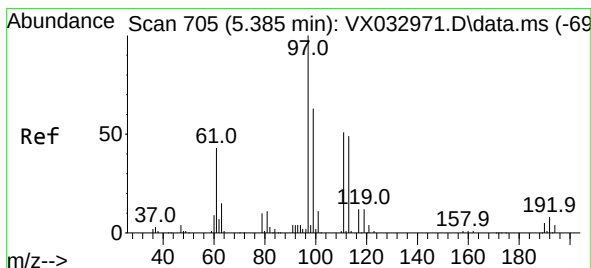
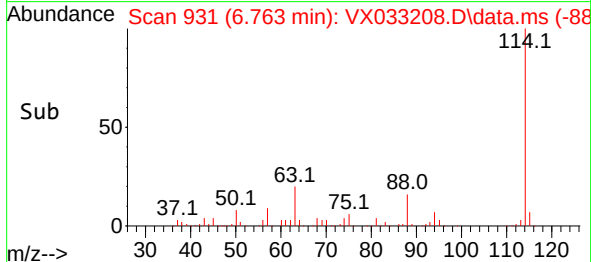
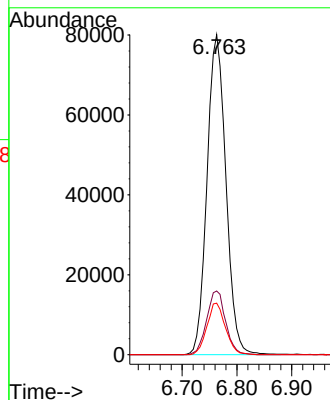
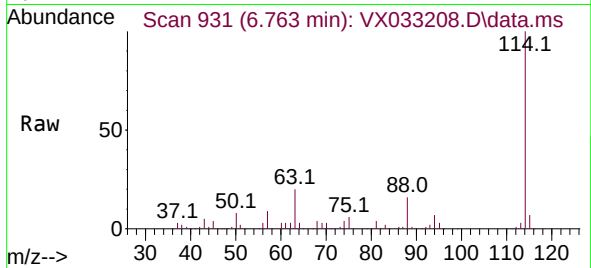




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX033208.D
Acq: 02 Dec 2022 23:52

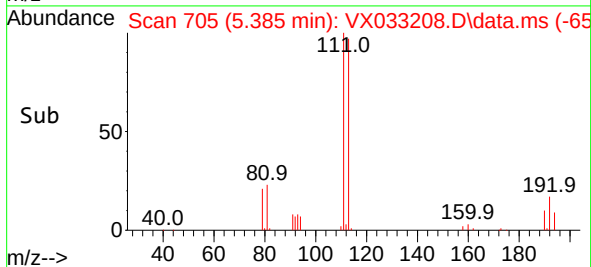
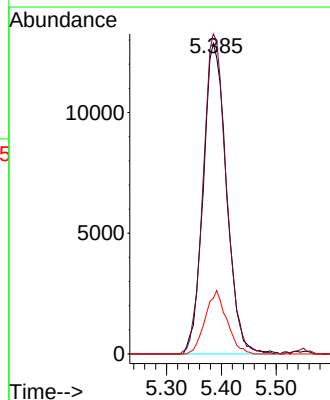
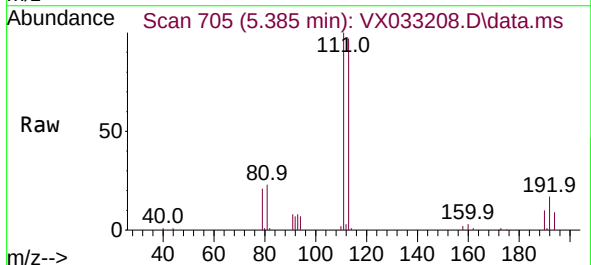
Instrument :
MSVOA_X
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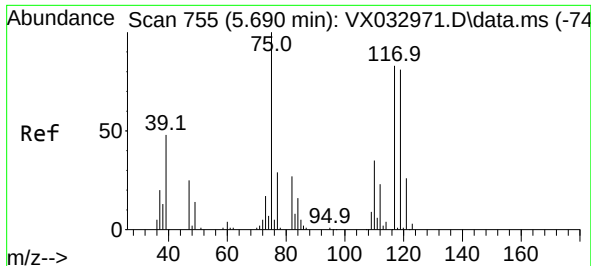
Tgt Ion:114 Resp: 191276
Ion Ratio Lower Upper
114 100
63 19.9 0.0 41.6
88 16.1 0.0 33.4



#35
Dibromofluoromethane
Concen: 35.187 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033208.D
Acq: 02 Dec 2022 23:52

Tgt Ion:113 Resp: 37944
Ion Ratio Lower Upper
113 100
111 102.0 82.4 123.6
192 18.9 15.4 23.2





#36

1,1-Dichloropropene

Concen: 5.195 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX033208.D

Acq: 02 Dec 2022 23:52

Instrument :

MSVOA_X

ClientSampleId :

PB149377ZHE#02

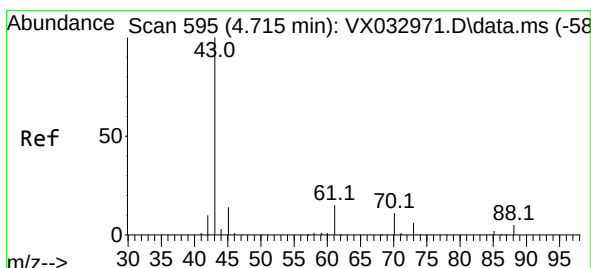
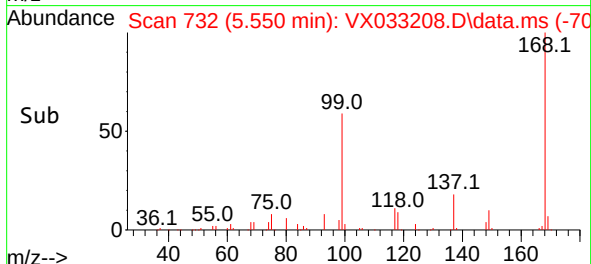
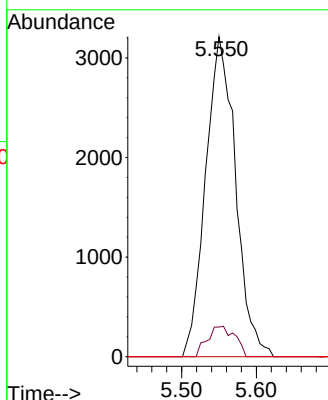
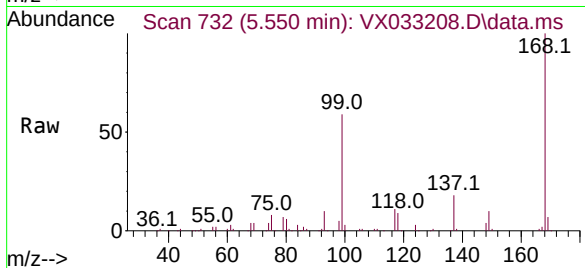
Tgt Ion: 75 Resp: 8957

Ion Ratio Lower Upper

75 100

110 8.7 18.4 55.2#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 13.168 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX033208.D

Acq: 02 Dec 2022 23:52

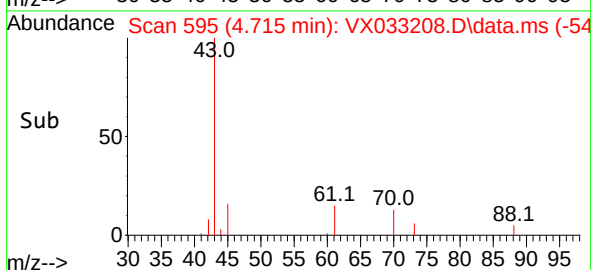
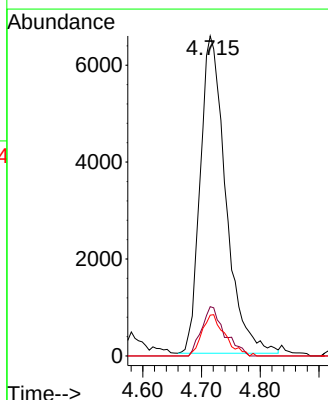
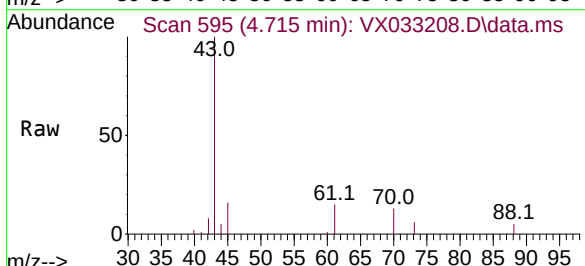
Tgt Ion: 43 Resp: 19809

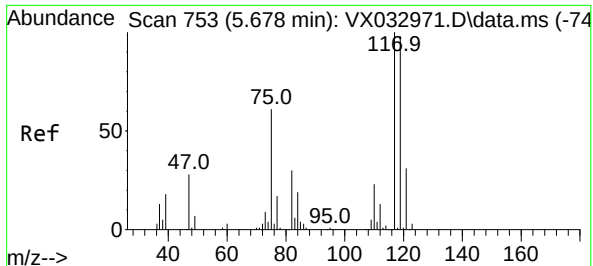
Ion Ratio Lower Upper

43 100

61 13.9 11.5 17.3

70 11.7 9.1 13.7

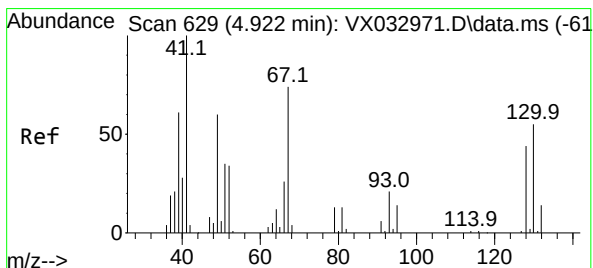
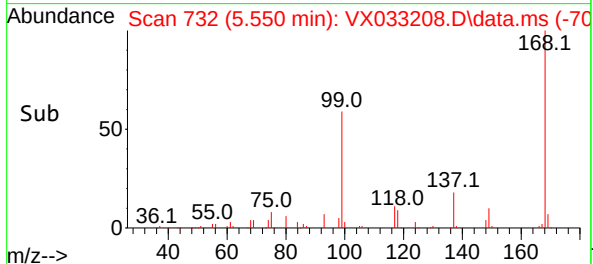
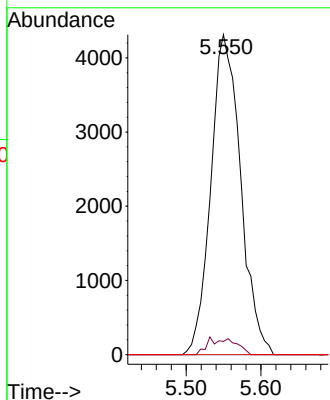
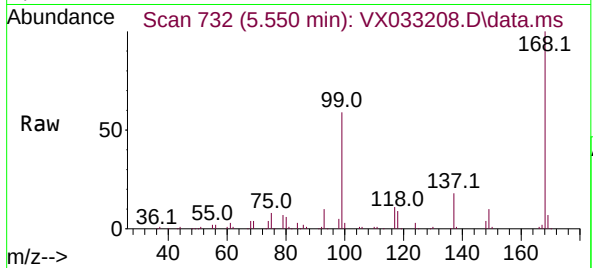




#38
Carbon Tetrachloride
Concen: 6.239 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX033208.D
Acq: 02 Dec 2022 23:52

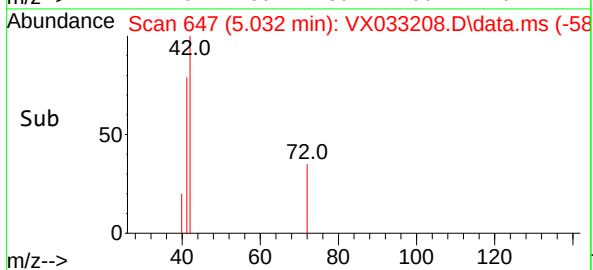
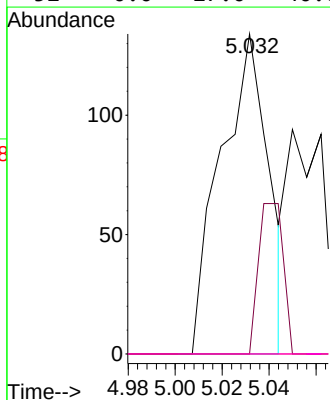
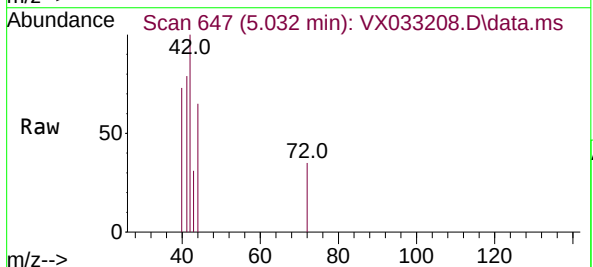
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#02

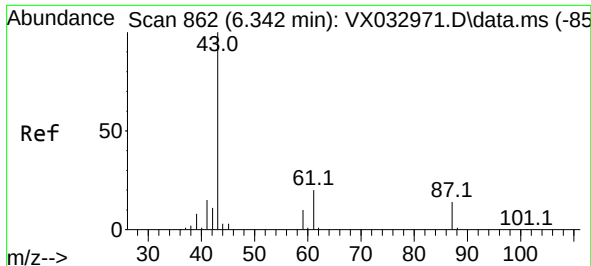
Tgt Ion:117 Resp: 11934
Ion Ratio Lower Upper
117 100
119 4.2 77.2 115.8#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 0.224 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX033208.D
Acq: 02 Dec 2022 23:52

Tgt Ion: 41 Resp: 190
Ion Ratio Lower Upper
41 100
39 24.2 47.5 71.3#
67 0.0 60.5 90.7#
52 0.0 27.0 40.6#

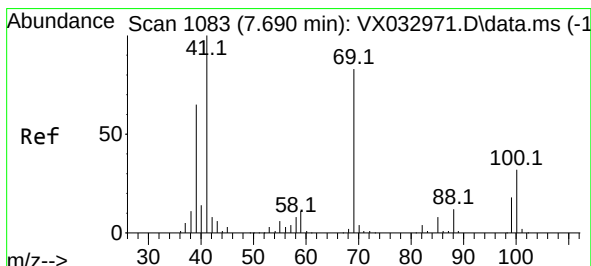
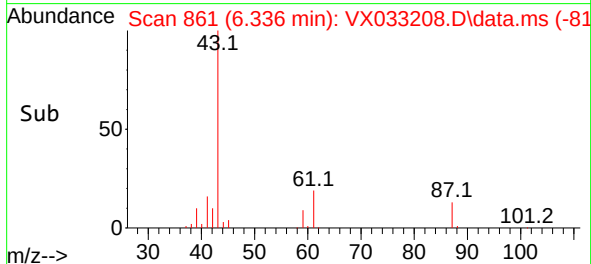
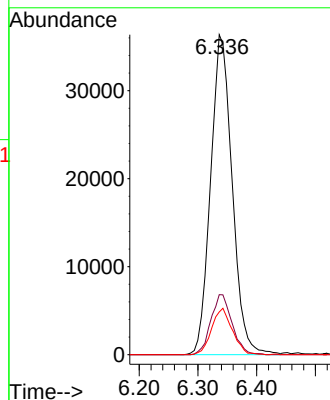
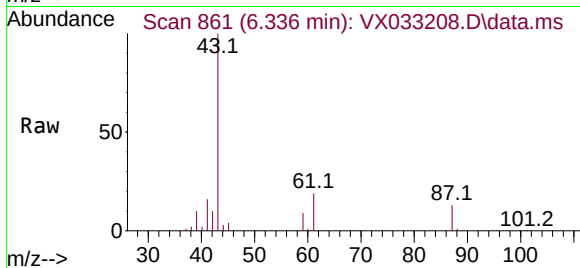




#43
Isopropyl Acetate
Concen: 37.303 ug/l
RT: 6.336 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX033208.D
Acq: 02 Dec 2022 23:52

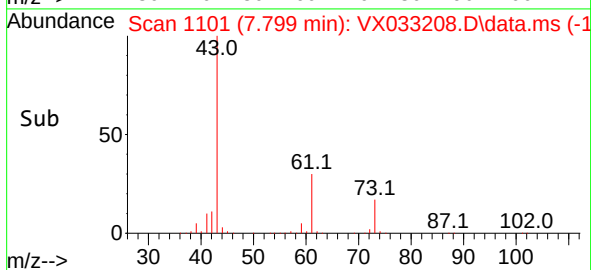
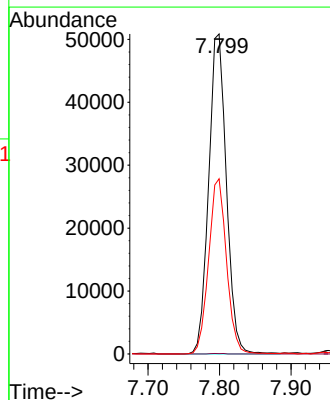
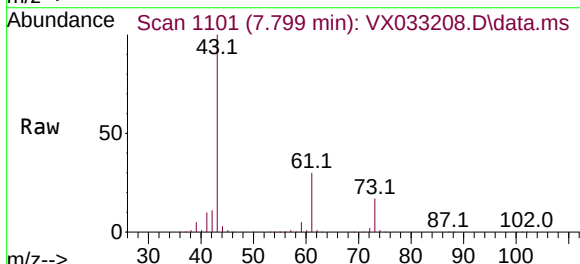
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#02

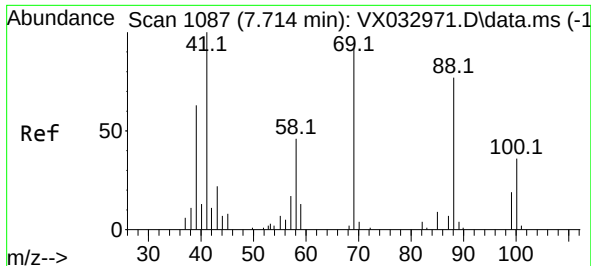
Tgt Ion: 43 Resp: 92803
Ion Ratio Lower Upper
43 100
61 18.4 15.4 23.0
87 13.9 10.8 16.2



#48
Methyl methacrylate
Concen: 68.393 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX033208.D
Acq: 02 Dec 2022 23:52

Tgt Ion: 41 Resp: 87582
Ion Ratio Lower Upper
41 100
69 0.1 65.1 97.7#
39 55.3 51.9 77.9





#49

1,4-Dioxane

Concen: 3.479 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.135 min

Lab File: VX033208.D

Acq: 02 Dec 2022 23:52

Instrument :

MSVOA_X

ClientSampleId :

PB149377ZHE#02

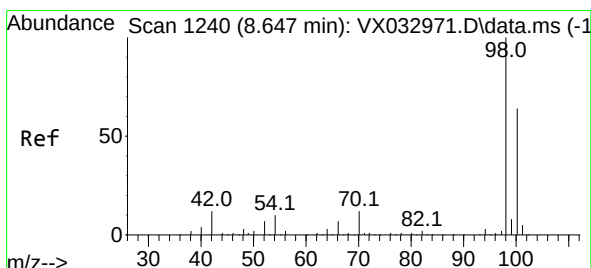
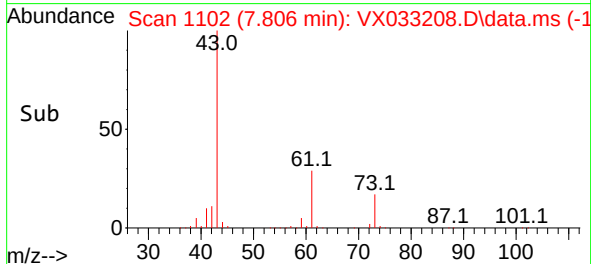
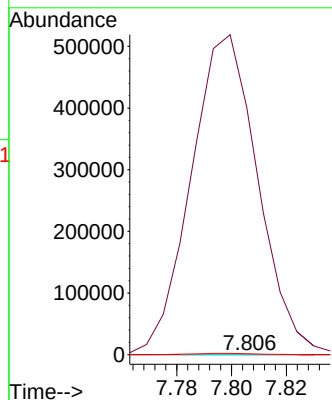
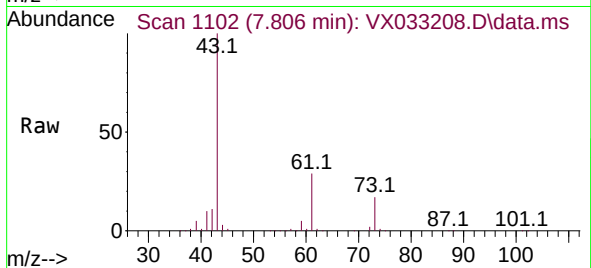
Tgt Ion: 88 Resp: 82

Ion Ratio Lower Upper

88 100

43 1082347.6 26.6 39.8#

58 4525.6 51.7 77.5#



#50

Toluene-d8

Concen: 23.547 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX033208.D

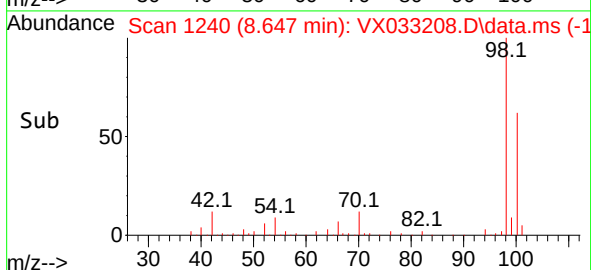
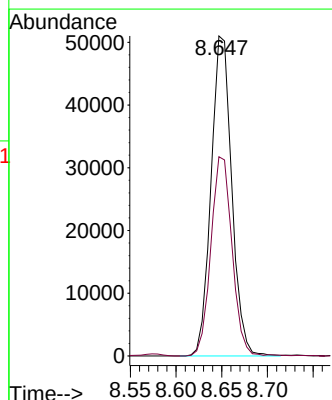
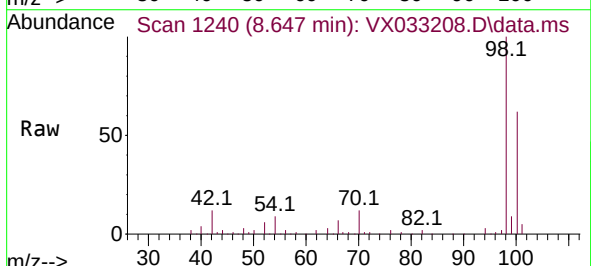
Acq: 02 Dec 2022 23:52

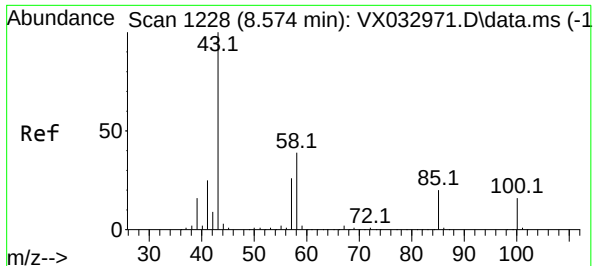
Tgt Ion: 98 Resp: 80104

Ion Ratio Lower Upper

98 100

100 63.8 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 50.904 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX033208.D

Acq: 02 Dec 2022 23:52

Instrument :

MSVOA_X

ClientSampleId :

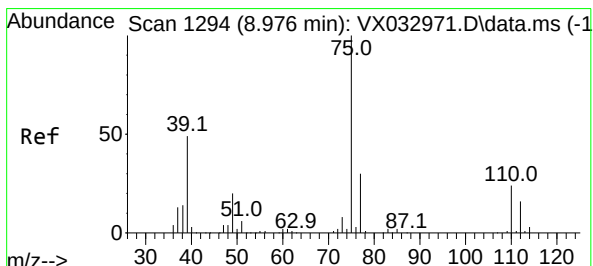
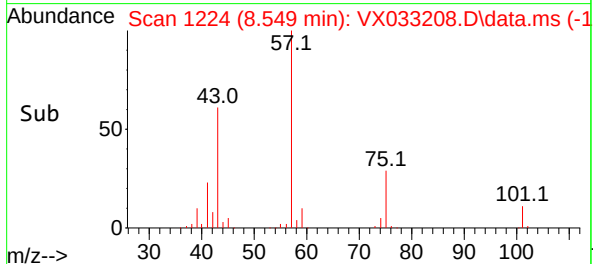
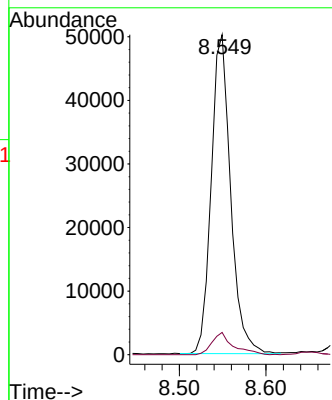
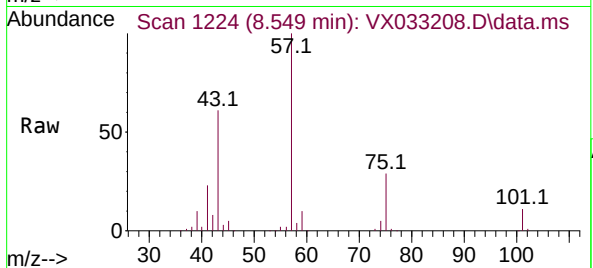
PB149377ZHE#02

Tgt Ion: 43 Resp: 78145

Ion Ratio Lower Upper

43 100

58 7.5 30.9 46.3#



#53

t-1,3-Dichloropropene

Concen: 1.853 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.030 min

Lab File: VX033208.D

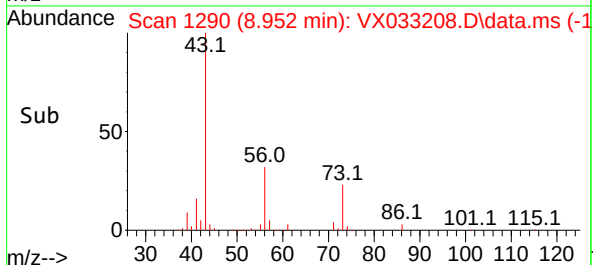
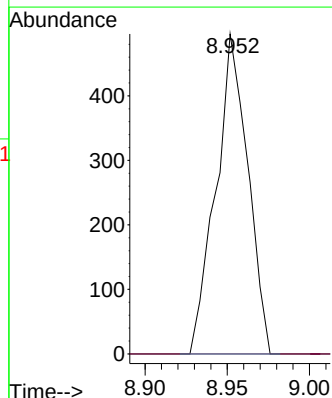
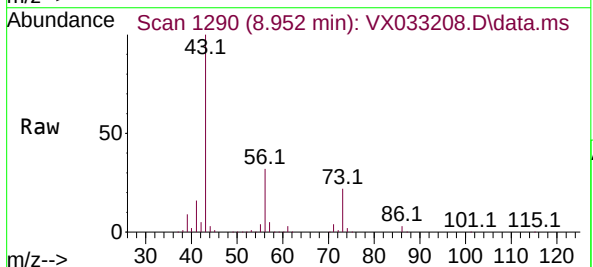
Acq: 02 Dec 2022 23:52

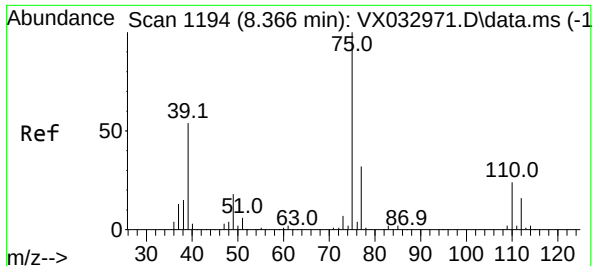
Tgt Ion: 75 Resp: 670

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

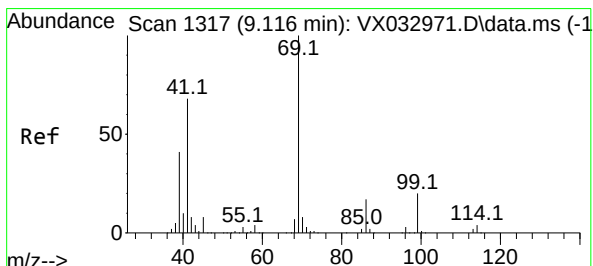
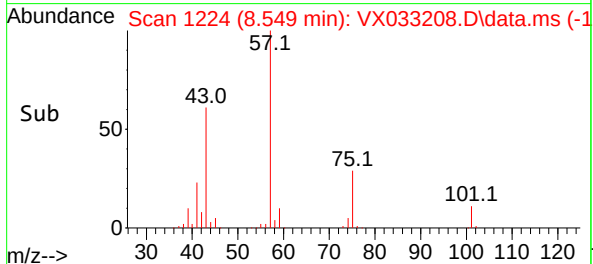
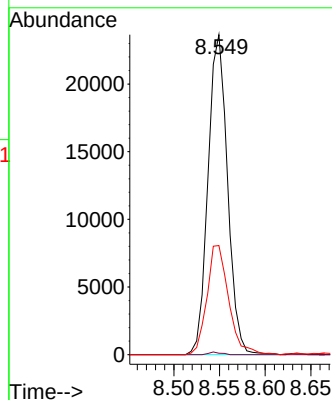
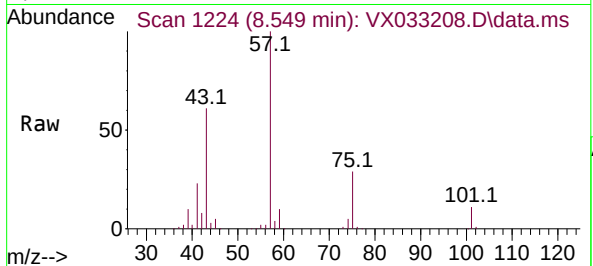




#54
 cis-1,3-Dichloropropene
 Concen: 18.041 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033208.D
 Acq: 02 Dec 2022 23:52

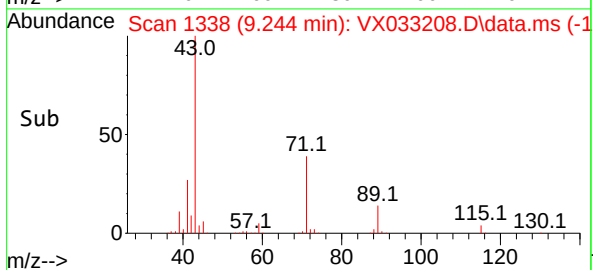
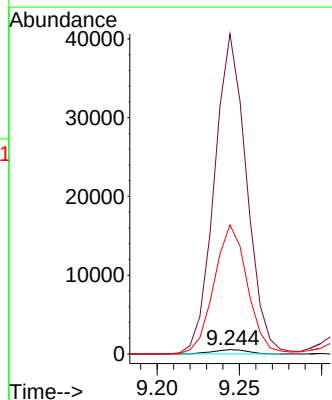
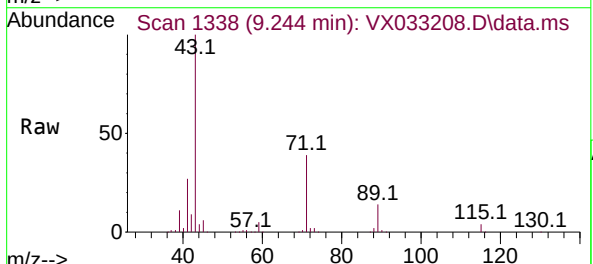
Instrument :
 MSVOA_X
 ClientSampleId :
 PB149377ZHE#02

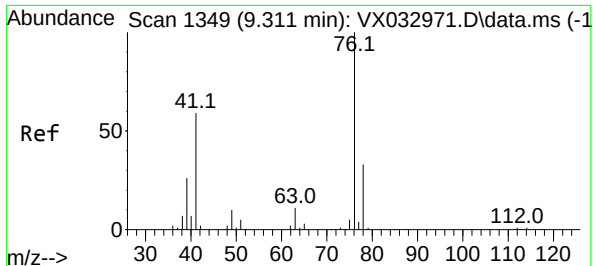
Tgt Ion: 75 Resp: 35034
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.1 37.7#
 39 34.1 45.5 68.3#



#56
 Ethyl methacrylate
 Concen: 0.458 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX033208.D
 Acq: 02 Dec 2022 23:52

Tgt Ion: 69 Resp: 818
 Ion Ratio Lower Upper
 69 100
 41 6791.7 54.3 81.5#
 39 2830.3 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 2.100 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX033208.D

Acq: 02 Dec 2022 23:52

Instrument :

MSVOA_X

ClientSampleId :

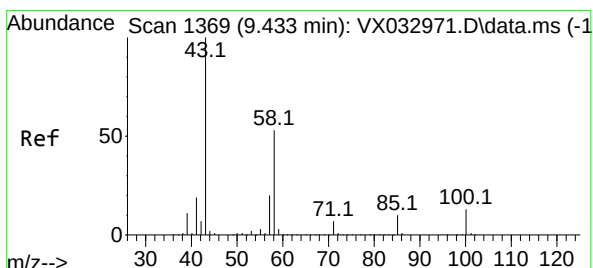
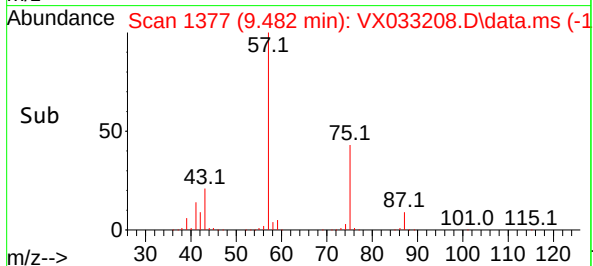
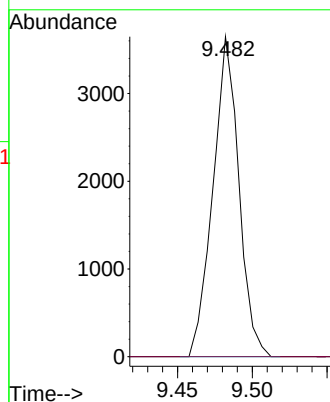
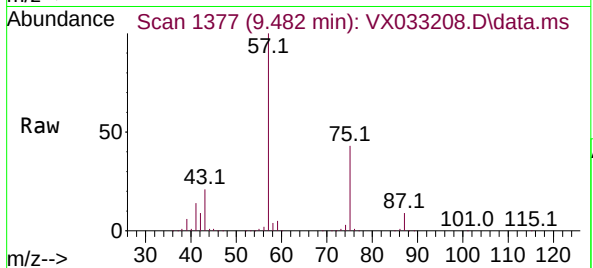
PB149377ZHE#02

Tgt Ion: 76 Resp: 4390

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 58.133 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033208.D

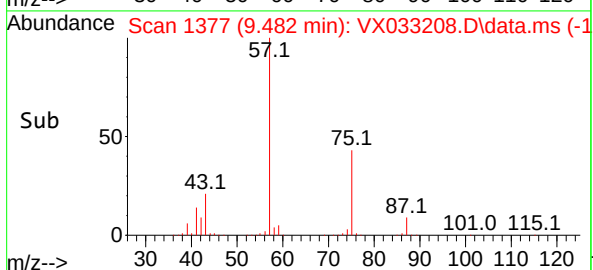
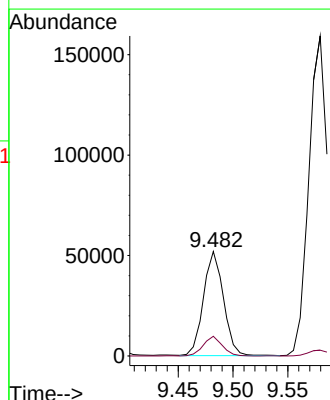
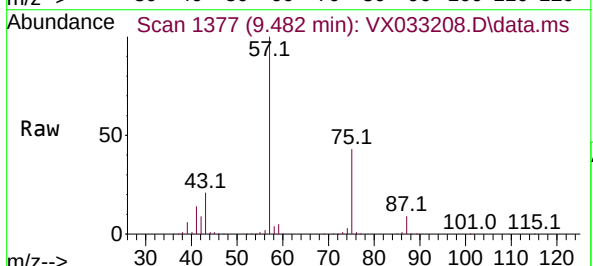
Acq: 02 Dec 2022 23:52

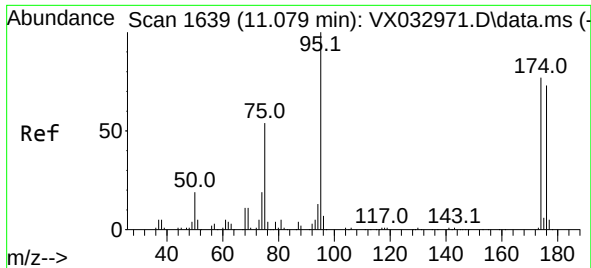
Tgt Ion: 43 Resp: 65925

Ion Ratio Lower Upper

43 100

58 18.0 26.5 79.5#

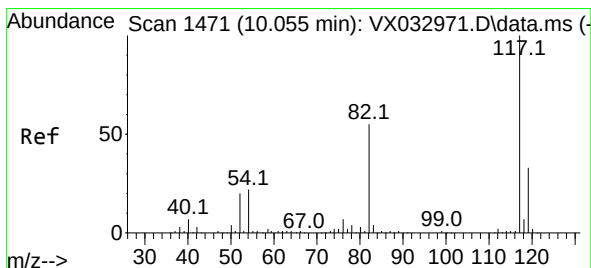
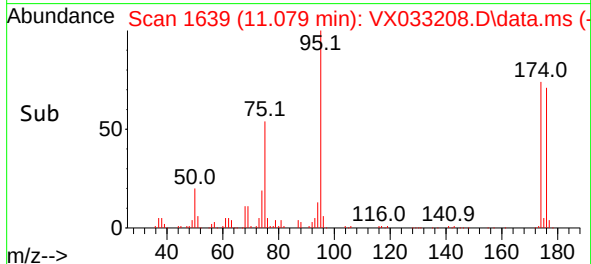
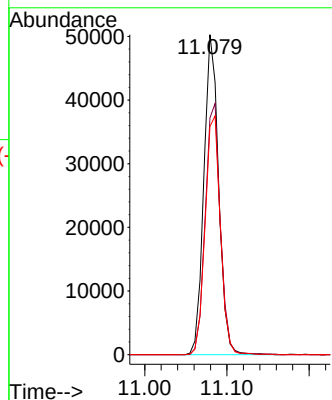
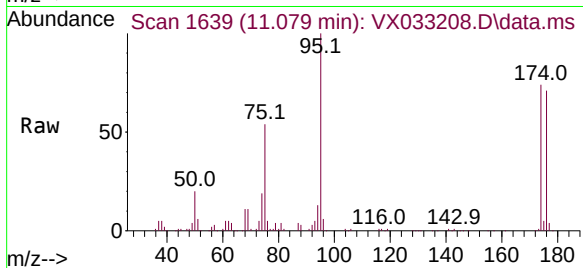




#62
4-Bromofluorobenzene
Concen: 44.261 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033208.D
Acq: 02 Dec 2022 23:52

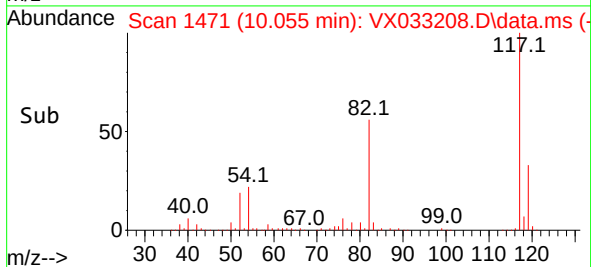
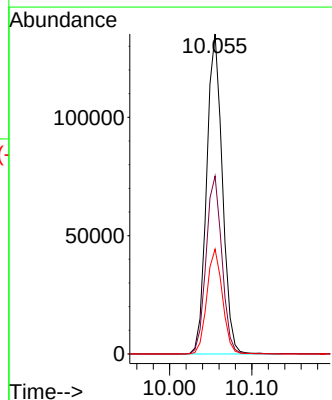
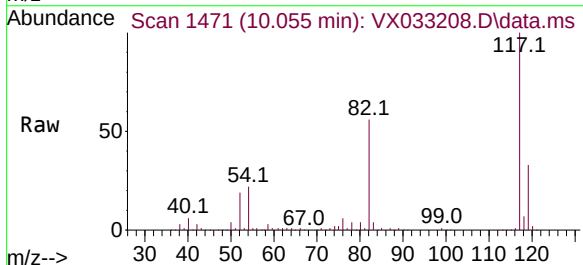
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#02

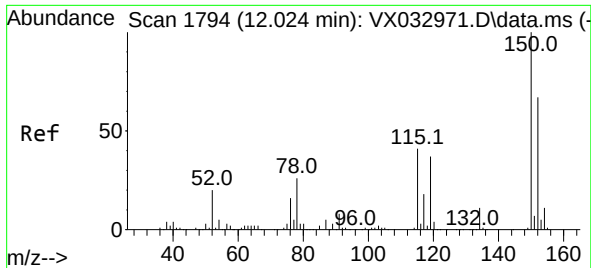
Tgt Ion: 95 Resp: 62697
Ion Ratio Lower Upper
95 100
174 80.2 0.0 164.0
176 77.2 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033208.D
Acq: 02 Dec 2022 23:52

Tgt Ion: 117 Resp: 179389
Ion Ratio Lower Upper
117 100
82 55.6 44.3 66.5
119 32.8 25.7 38.5

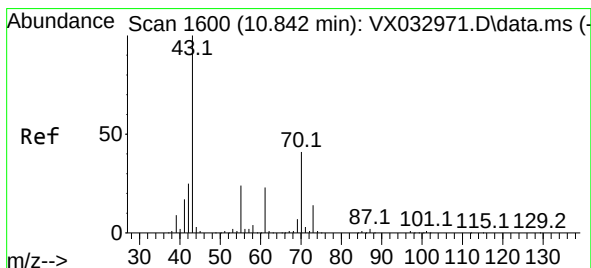
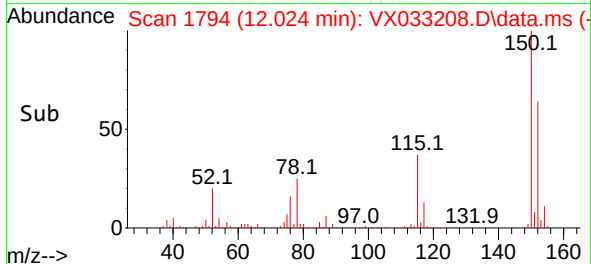
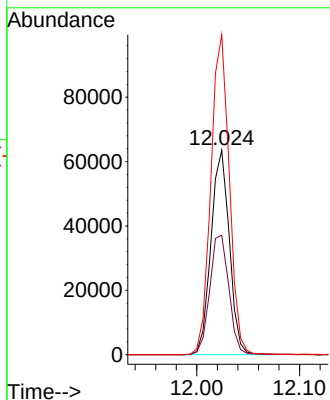
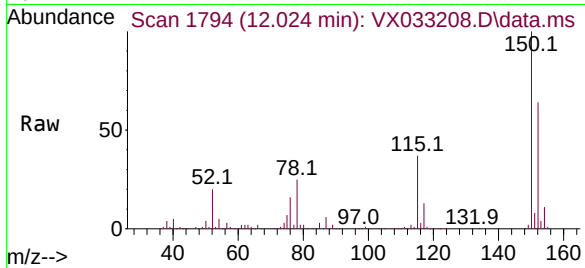




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX033208.D
 Acq: 02 Dec 2022 23:52

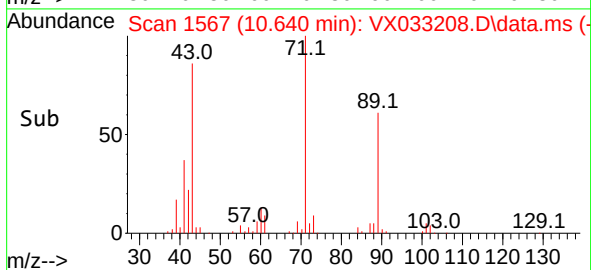
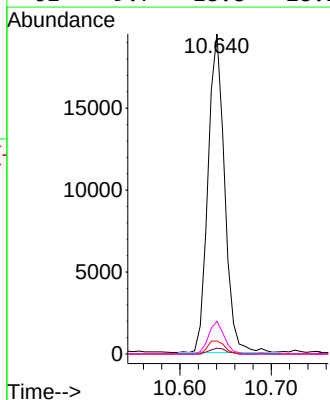
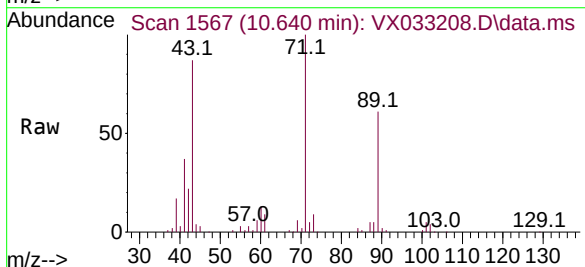
Instrument :
 MSVOA_X
 ClientSampleId :
 PB149377ZHE#02

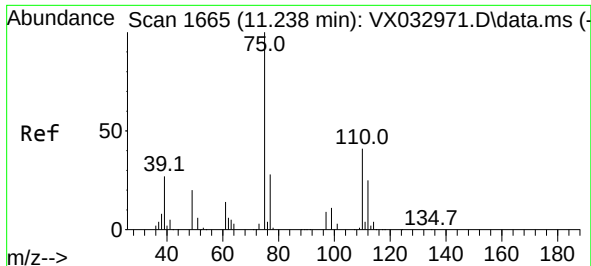
Tgt Ion:152 Resp: 78683
 Ion Ratio Lower Upper
 152 100
 115 61.1 44.0 132.0
 150 157.1 0.0 351.8



#74
 N-ethyl acetate
 Concen: 12.844 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.201 min
 Lab File: VX033208.D
 Acq: 02 Dec 2022 23:52

Tgt Ion: 43 Resp: 24566
 Ion Ratio Lower Upper
 43 100
 70 1.8 33.6 50.4#
 55 4.2 19.4 29.2#
 61 9.7 18.8 28.2#

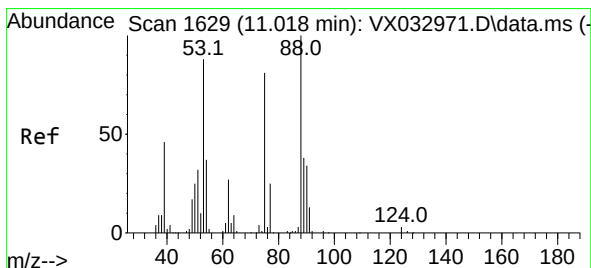
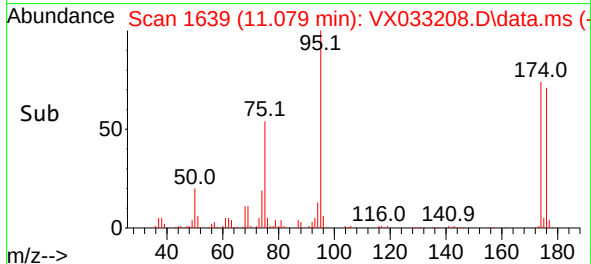
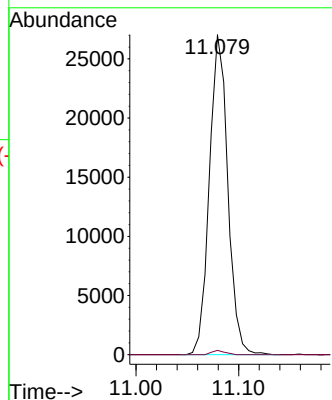
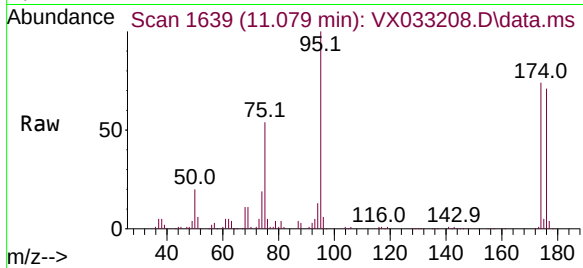




#76
1,2,3-Trichloropropane
Concen: 22.671 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033208.D
Acq: 02 Dec 2022 23:52

Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#02

Tgt Ion: 75 Resp: 33782
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.690 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033208.D
Acq: 02 Dec 2022 23:52

Tgt Ion: 75 Resp: 33782
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

