

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120222\
 Data File : VX033210.D
 Acq On : 03 Dec 2022 00:38
 Operator : JC/MD
 Sample : PB149377ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB149377ZHE#04

Quant Time: Dec 05 01:12:18 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)

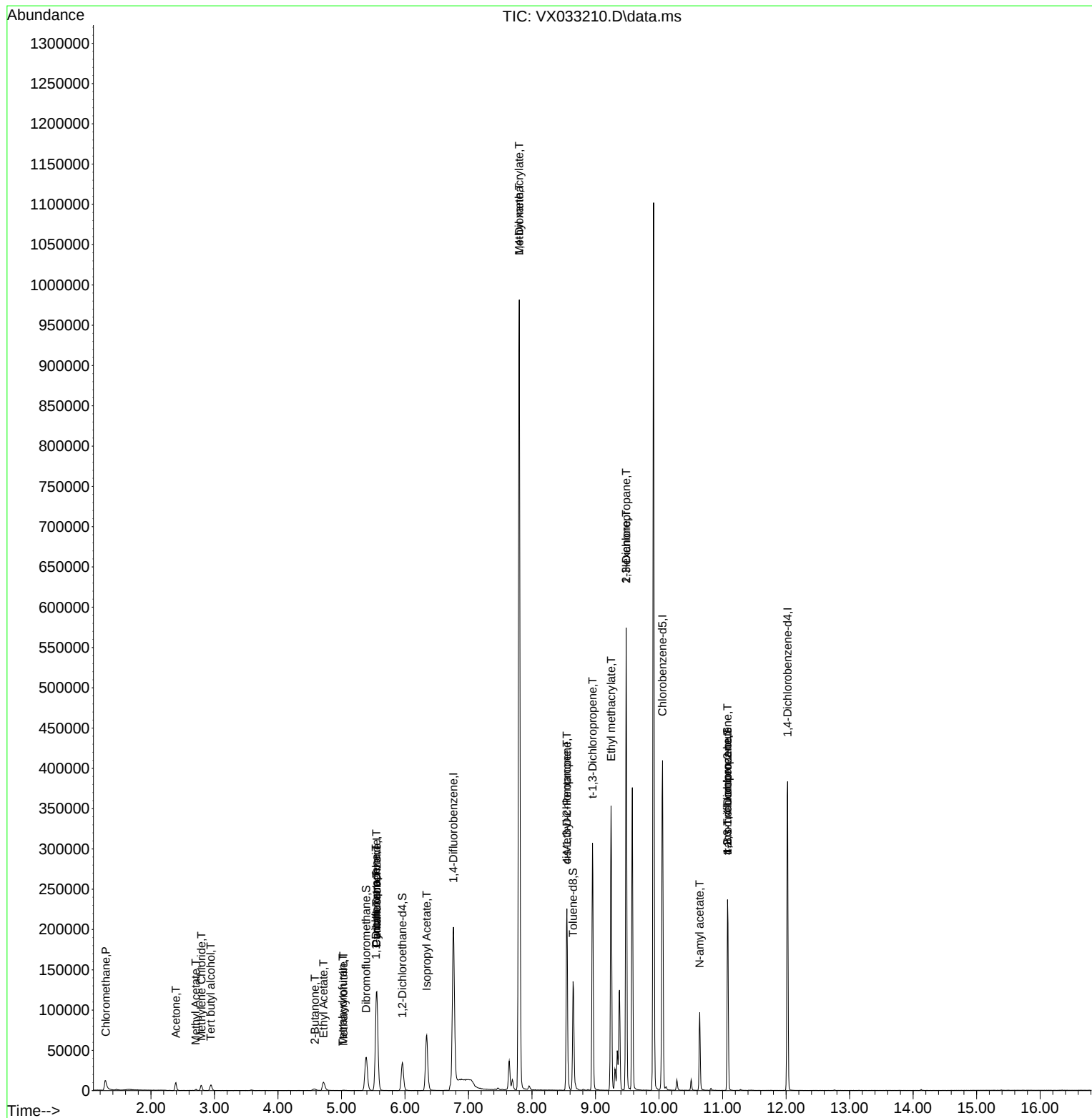
Internal Standards						
1) Pentafluorobenzene	5.556	168	114652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	194967	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	181835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	35104	30.086	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	60.180%#		
35) Dibromofluoromethane	5.385	113	36760	33.444	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	66.880%#		
50) Toluene-d8	8.647	98	78949	22.694	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	45.380%#		
62) 4-Bromofluorobenzene	11.079	95	60365	41.808	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	83.620%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	555	0.587	ug/l #	43
11) Tert butyl alcohol	2.940	59	4180	23.617	ug/l #	72
16) Acetone	2.392	43	12175	23.349	ug/l	100
18) Methyl Acetate	2.703	43	1945	1.347	ug/l	95
20) Methylene Chloride	2.794	84	3193	1.689	ug/l	92
25) 2-Butanone	4.580	43	1276	1.775	ug/l #	47
29) Tetrahydrofuran	5.019	42	227	0.498	ug/l #	31
31) Cyclohexane	5.550	56	2394	1.323	ug/l #	2
36) 1,1-Dichloropropene	5.544	75	9273	5.276	ug/l #	49
37) Ethyl Acetate	4.715	43	18804	12.264	ug/l	99
38) Carbon Tetrachloride	5.550	117	12126	6.220	ug/l #	16
41) Methacrylonitrile	5.032	41	261	0.303	ug/l #	21
43) Isopropyl Acetate	6.342	43	92438	36.453	ug/l	100
48) Methyl methacrylate	7.799	41	88573	67.858	ug/l #	44
49) 1,4-Dioxane	7.799	88	85	3.538	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	77759	49.694	ug/l #	48
53) t-1,3-Dichloropropene	8.952	75	719	1.871	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	34511	17.435	ug/l #	61
56) Ethyl methacrylate	9.244	69	821	0.451	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4547	2.134	ug/l #	42
59) 2-Hexanone	9.482	43	65688	56.828	ug/l #	51
74) N-amyl acetate	10.640	43	23881	12.385	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	32705	21.770	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	32705	70.764	ug/l #	6

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

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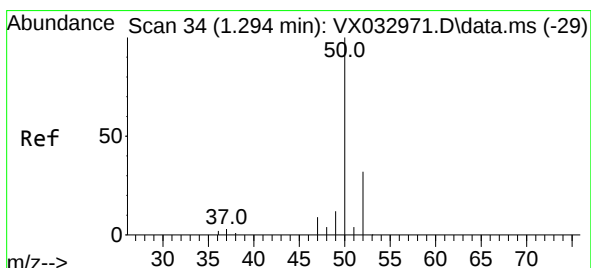
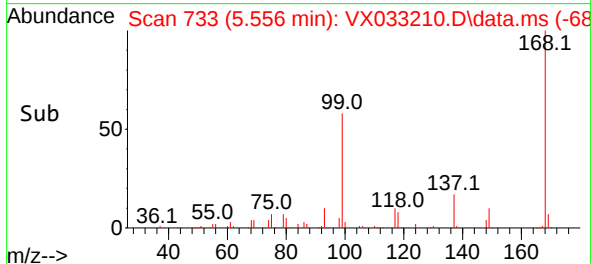
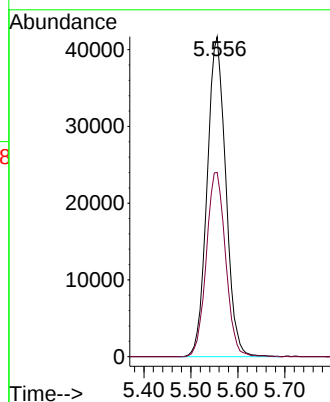
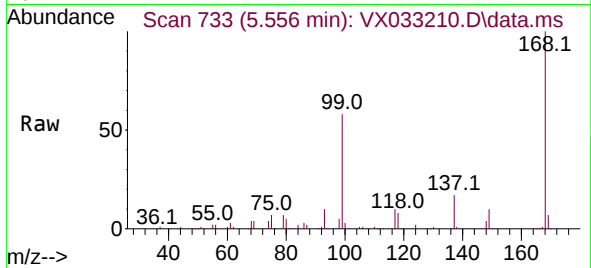




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033210.D
Acq: 03 Dec 2022 00:38

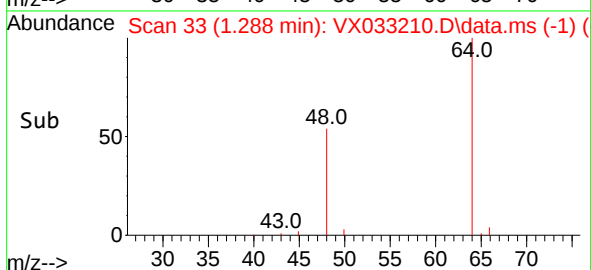
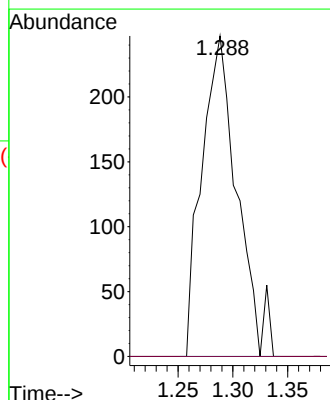
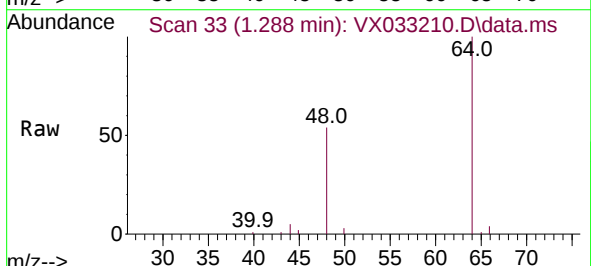
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#04

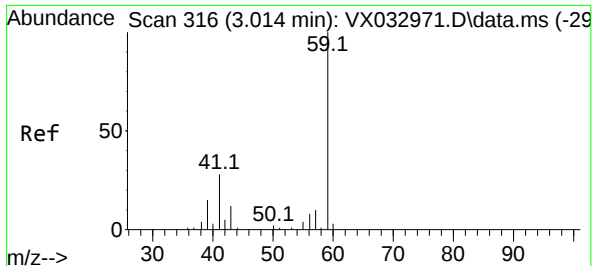
Tgt Ion:168 Resp: 114652
Ion Ratio Lower Upper
168 100
99 57.6 46.1 69.1



#3
Chloromethane
Concen: 0.587 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX033210.D
Acq: 03 Dec 2022 00:38

Tgt Ion: 50 Resp: 555
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

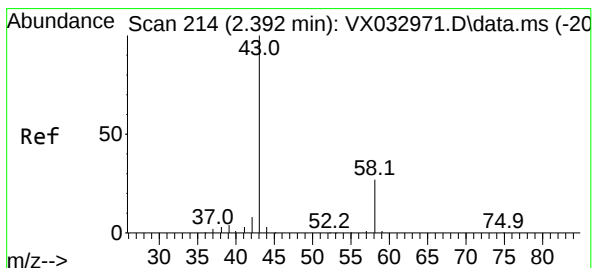
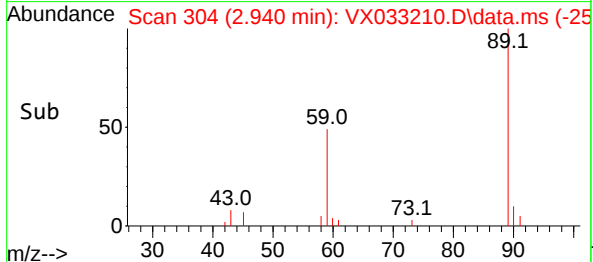
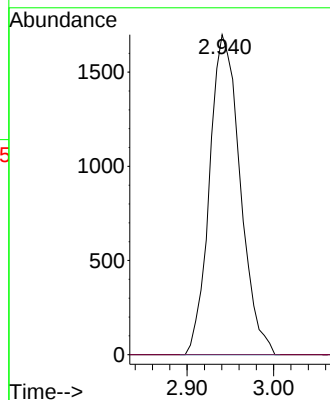
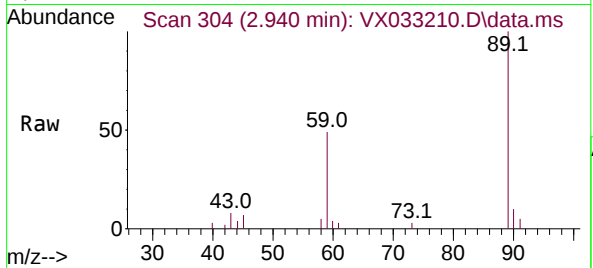




#11
Tert butyl alcohol
Concen: 23.617 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.025 min
Lab File: VX033210.D
Acq: 03 Dec 2022 00:38

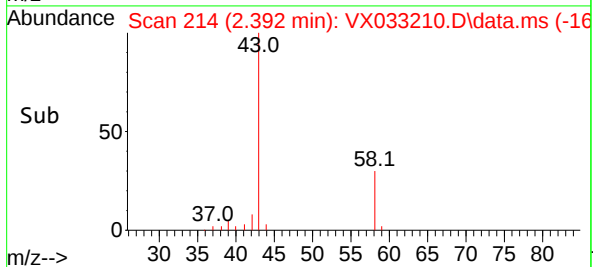
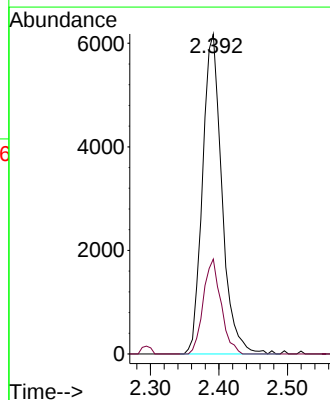
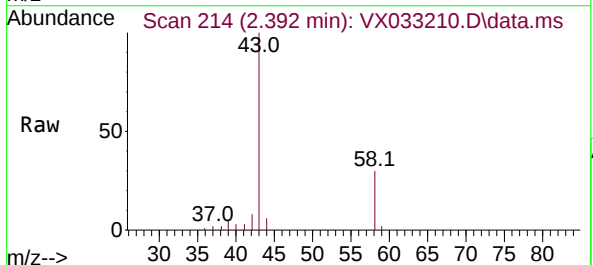
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#04

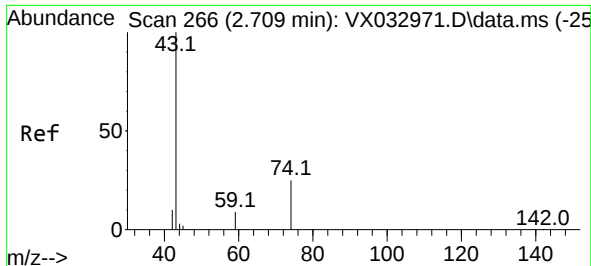
Tgt Ion: 59 Resp: 4180
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 23.349 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX033210.D
Acq: 03 Dec 2022 00:38

Tgt Ion: 43 Resp: 12175
Ion Ratio Lower Upper
43 100
58 29.7 23.8 35.8

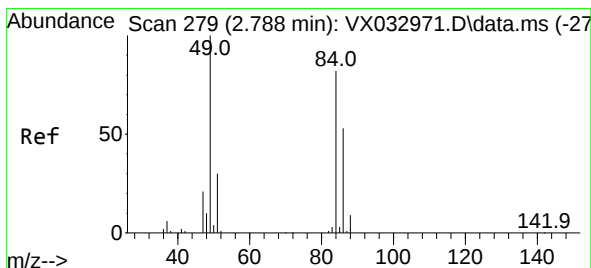
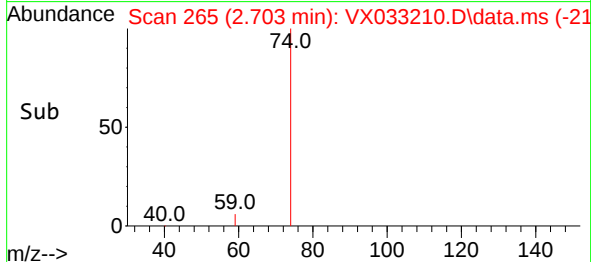
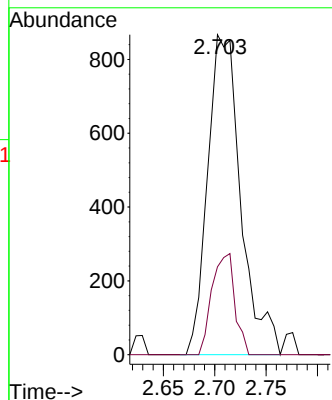
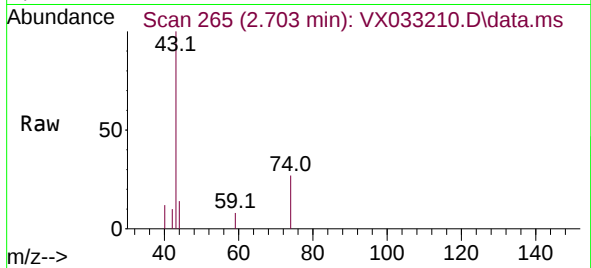




#18
Methyl Acetate
Concen: 1.347 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033210.D
Acq: 03 Dec 2022 00:38

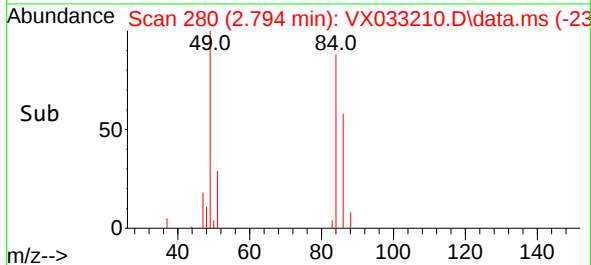
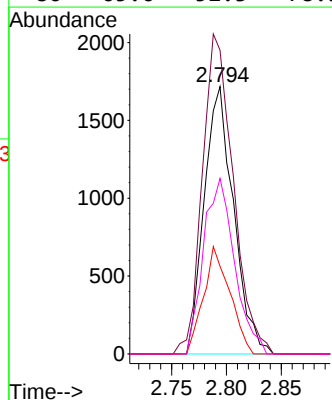
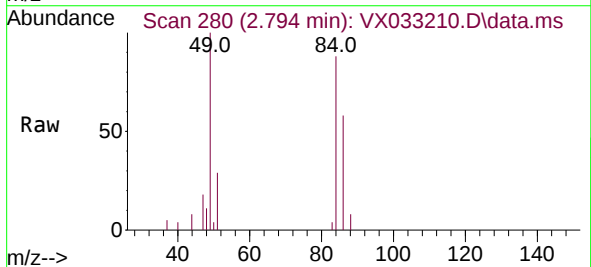
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#04

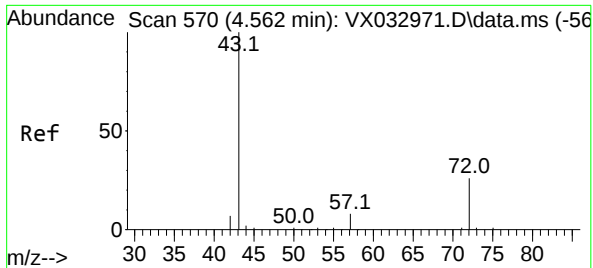
Tgt Ion: 43 Resp: 1945
Ion Ratio Lower Upper
43 100
74 21.7 19.4 29.0



#20
Methylene Chloride
Concen: 1.689 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX033210.D
Acq: 03 Dec 2022 00:38

Tgt Ion: 84 Resp: 3193
Ion Ratio Lower Upper
84 100
49 113.6 101.0 151.6
51 32.8 31.1 46.7
86 65.6 52.3 78.5





#25

2-Butanone

Concen: 1.775 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX033210.D

Acq: 03 Dec 2022 00:38

Instrument :

MSVOA_X

ClientSampleId :

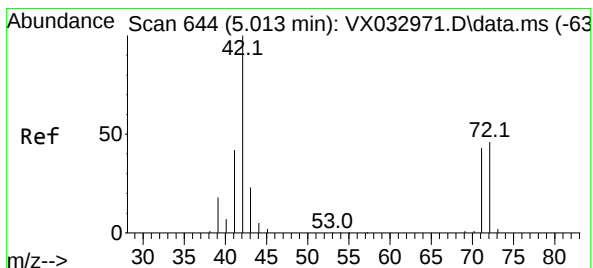
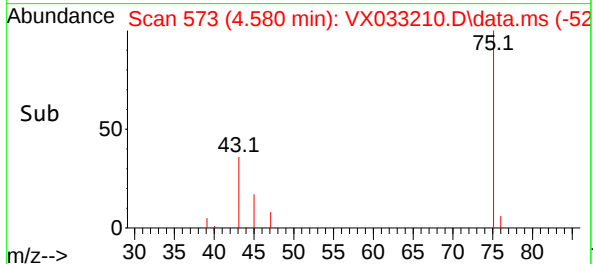
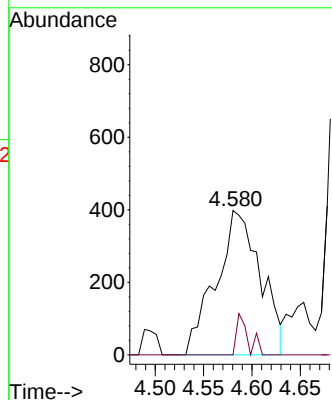
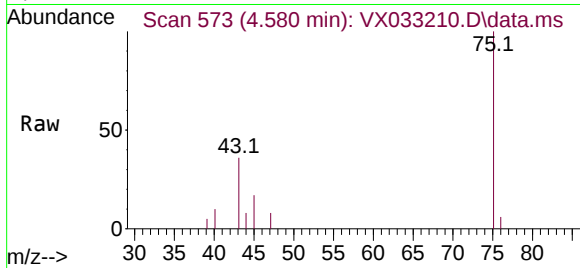
PB149377ZHE#04

Tgt Ion: 43 Resp: 1276

Ion Ratio Lower Upper

43 100

72 0.0 22.2 33.2#



#29

Tetrahydrofuran

Concen: 0.498 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.018 min

Lab File: VX033210.D

Acq: 03 Dec 2022 00:38

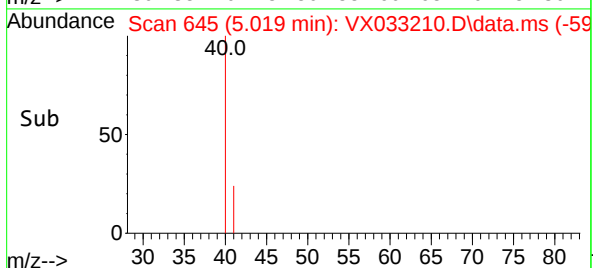
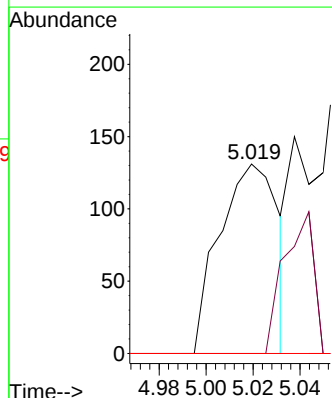
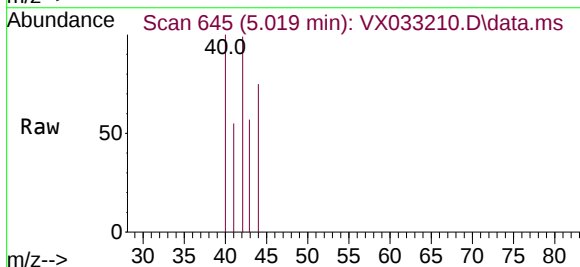
Tgt Ion: 42 Resp: 227

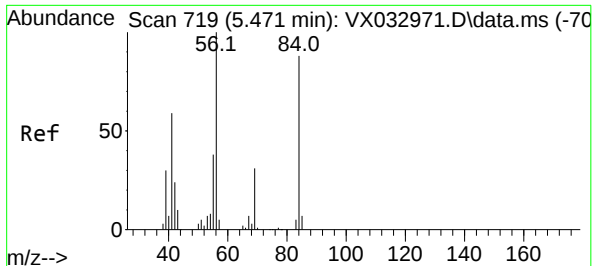
Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

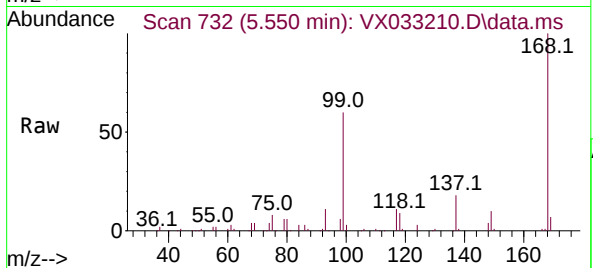
71 0.0 34.7 52.1#



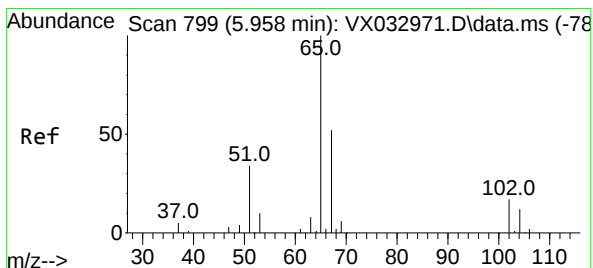
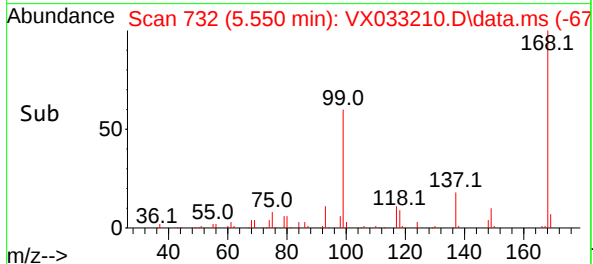
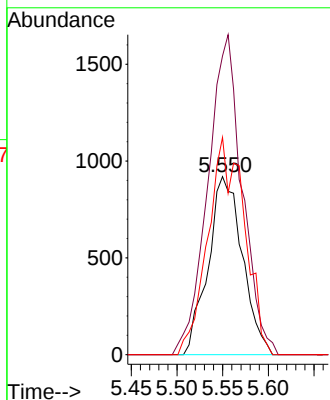


#31
Cyclohexane
Concen: 1.323 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX033210.D
Acq: 03 Dec 2022 00:38

Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#04

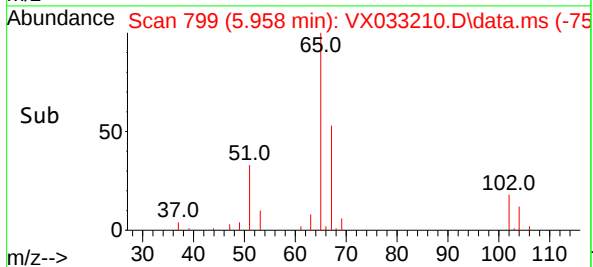
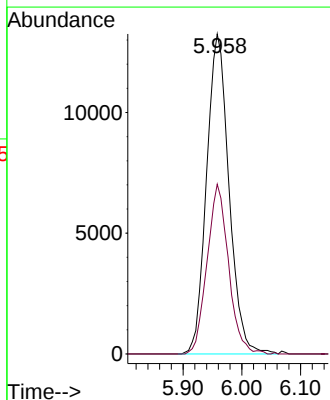
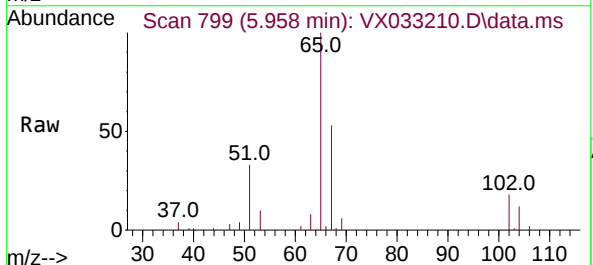


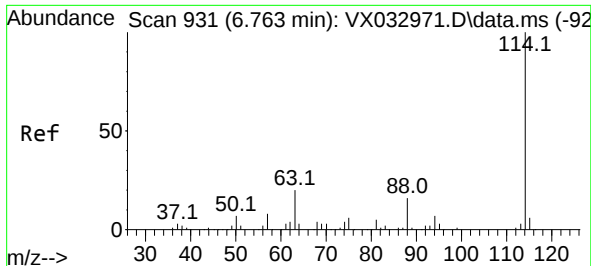
Tgt Ion: 56 Resp: 2394
Ion Ratio Lower Upper
56 100
69 167.7 24.1 36.1#
84 122.0 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 30.086 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033210.D
Acq: 03 Dec 2022 00:38

Tgt Ion: 65 Resp: 35104
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.8

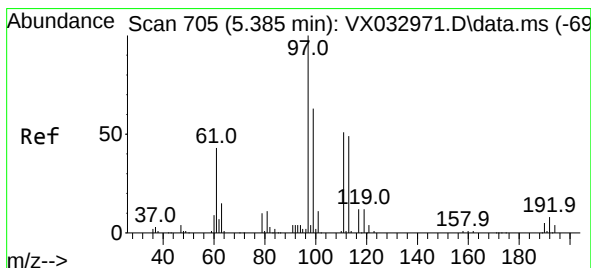
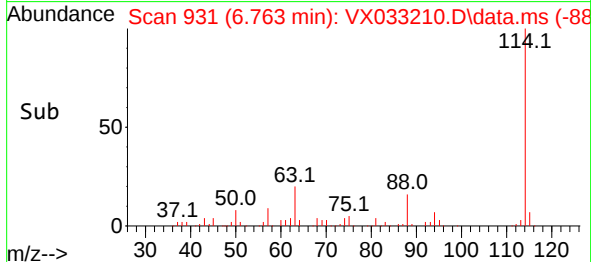
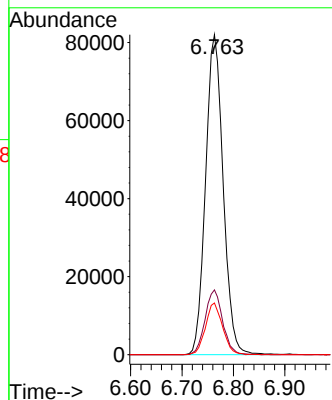
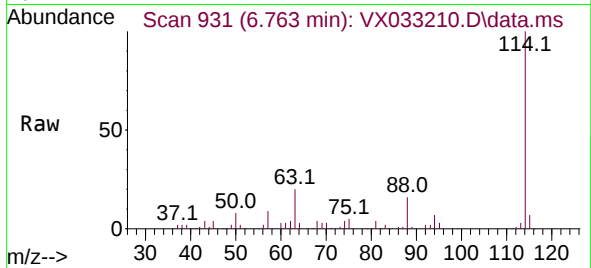




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033210.D
Acq: 03 Dec 2022 00:38

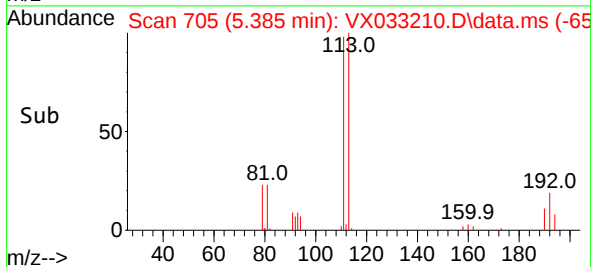
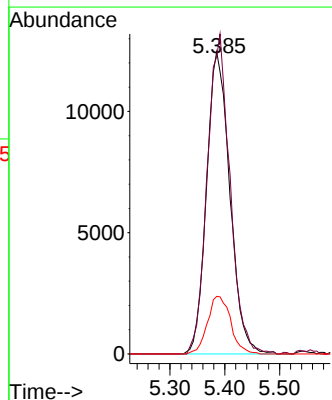
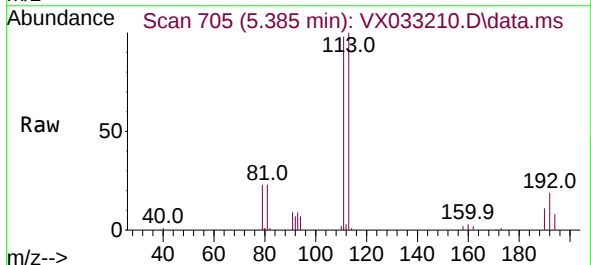
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#04

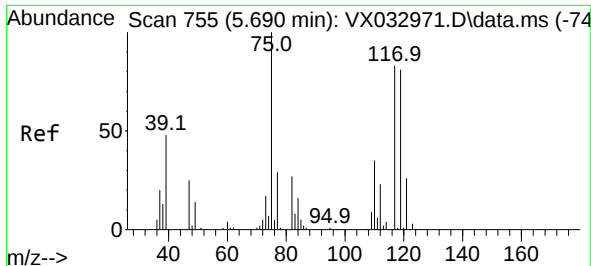
Tgt Ion:114 Resp: 194967
Ion Ratio Lower Upper
114 100
63 20.2 0.0 41.6
88 16.2 0.0 33.4



#35
Dibromofluoromethane
Concen: 33.444 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033210.D
Acq: 03 Dec 2022 00:38

Tgt Ion:113 Resp: 36760
Ion Ratio Lower Upper
113 100
111 103.2 82.4 123.6
192 19.0 15.4 23.2





#36

1,1-Dichloropropene

Concen: 5.276 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.152 min

Lab File: VX033210.D

Acq: 03 Dec 2022 00:38

Instrument :

MSVOA_X

ClientSampleId :

PB149377ZHE#04

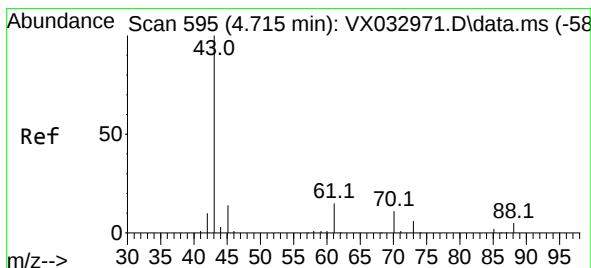
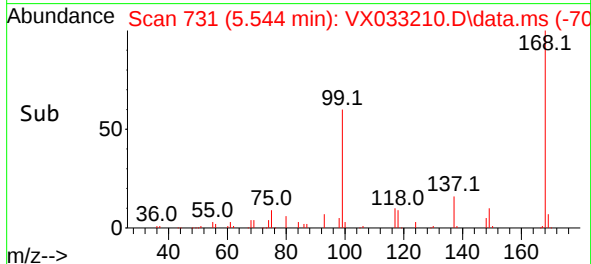
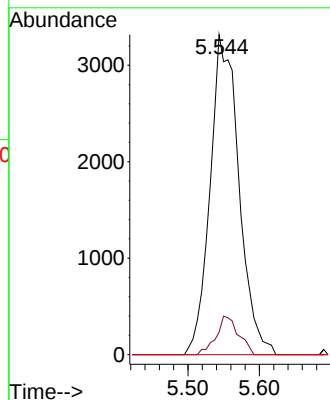
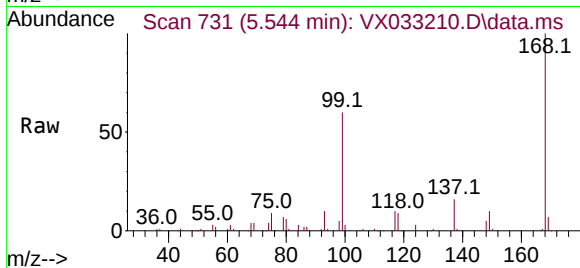
Tgt Ion: 75 Resp: 9273

Ion Ratio Lower Upper

75 100

110 9.4 18.4 55.2#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 12.264 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX033210.D

Acq: 03 Dec 2022 00:38

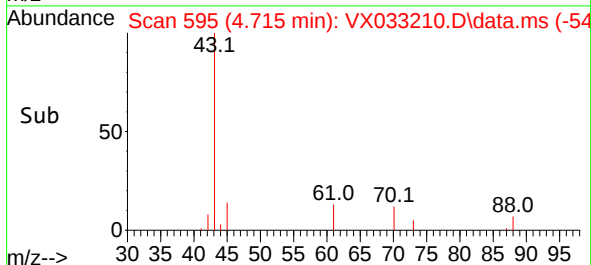
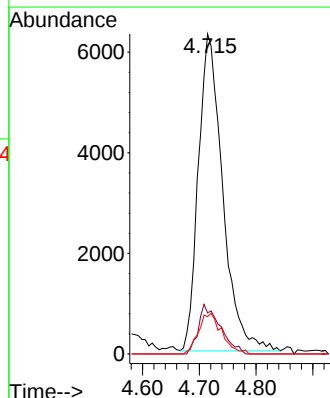
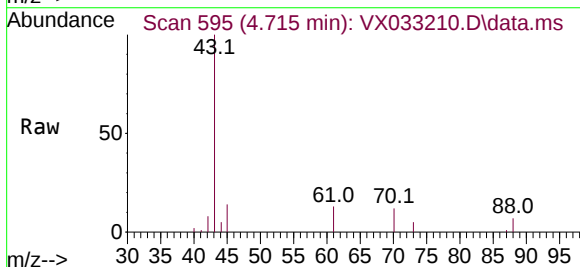
Tgt Ion: 43 Resp: 18804

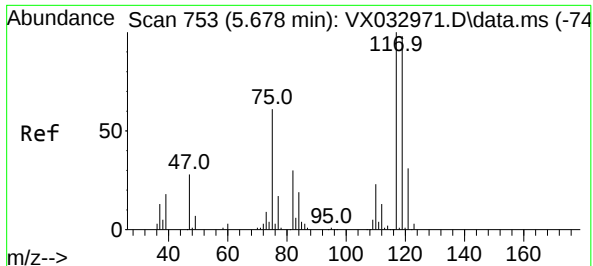
Ion Ratio Lower Upper

43 100

61 14.1 11.5 17.3

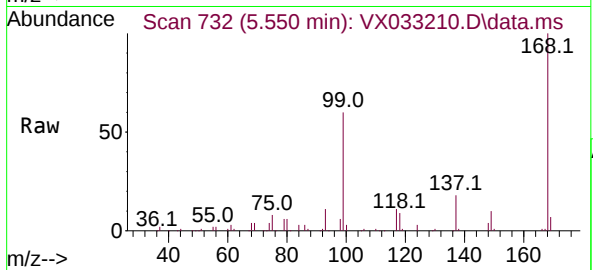
70 12.3 9.1 13.7



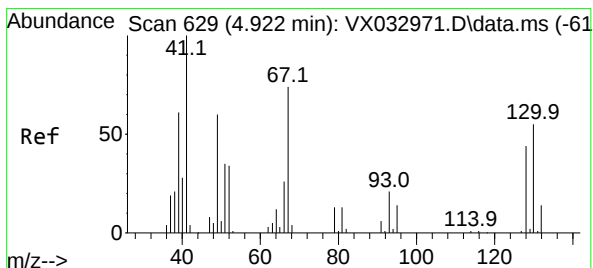
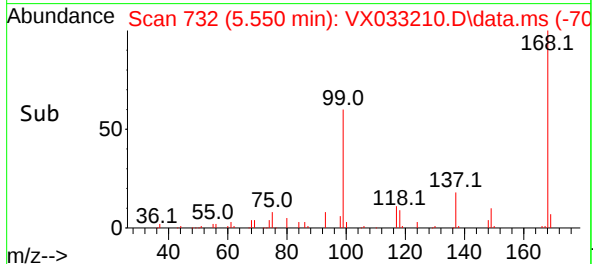
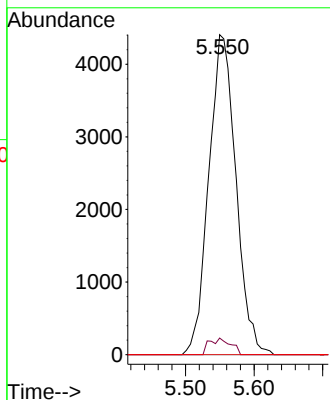


#38
Carbon Tetrachloride
Concen: 6.220 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX033210.D
Acq: 03 Dec 2022 00:38

Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#04

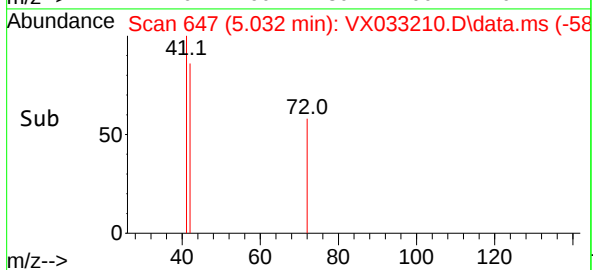
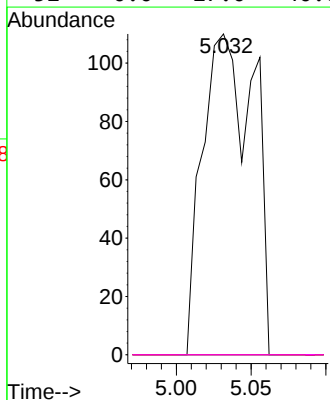
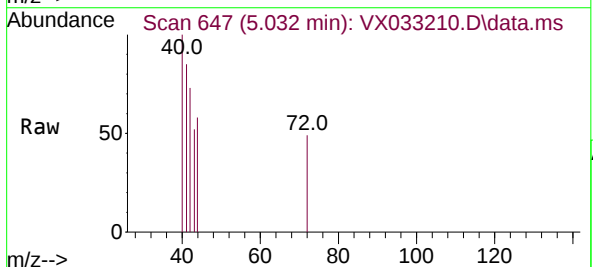


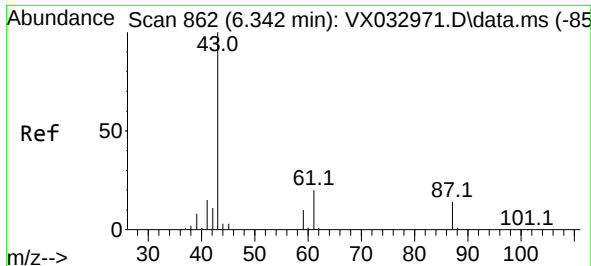
Tgt Ion:117 Resp: 12126
Ion Ratio Lower Upper
117 100
119 5.2 77.2 115.8#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 0.303 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX033210.D
Acq: 03 Dec 2022 00:38

Tgt Ion: 41 Resp: 261
Ion Ratio Lower Upper
41 100
39 0.0 47.5 71.3#
67 0.0 60.5 90.7#
52 0.0 27.0 40.6#

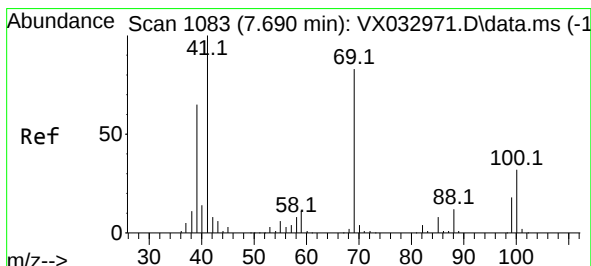
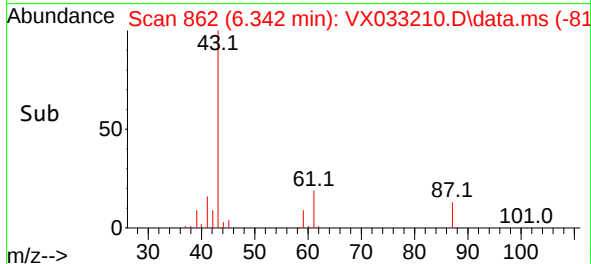
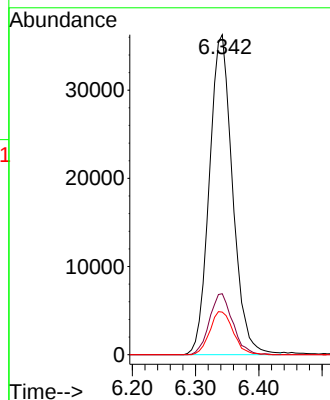
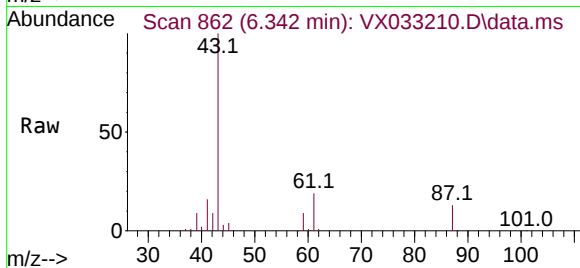




#43
Isopropyl Acetate
Concen: 36.453 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX033210.D
Acq: 03 Dec 2022 00:38

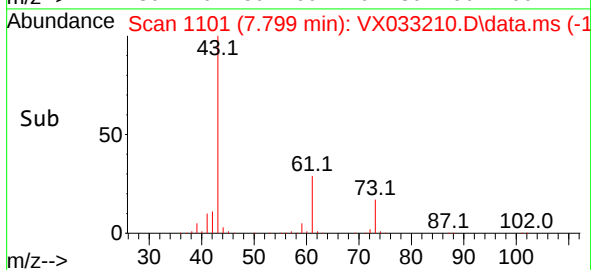
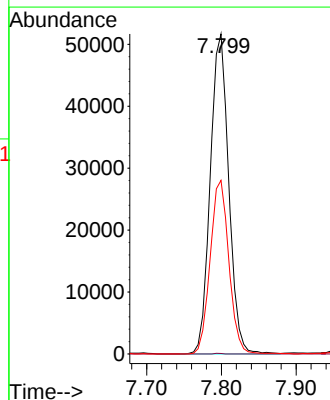
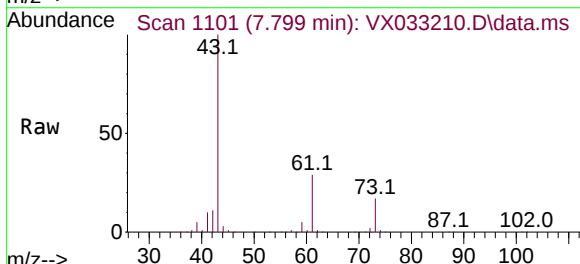
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#04

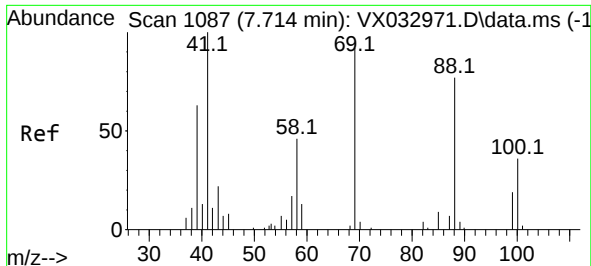
Tgt Ion: 43 Resp: 92438
Ion Ratio Lower Upper
43 100
61 19.1 15.4 23.0
87 13.5 10.8 16.2



#48
Methyl methacrylate
Concen: 67.858 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX033210.D
Acq: 03 Dec 2022 00:38

Tgt Ion: 41 Resp: 88573
Ion Ratio Lower Upper
41 100
69 0.1 65.1 97.7#
39 55.0 51.9 77.9





#49

1,4-Dioxane

Concen: 3.538 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.128 min

Lab File: VX033210.D

Acq: 03 Dec 2022 00:38

Instrument :

MSVOA_X

ClientSampleId :

PB149377ZHE#04

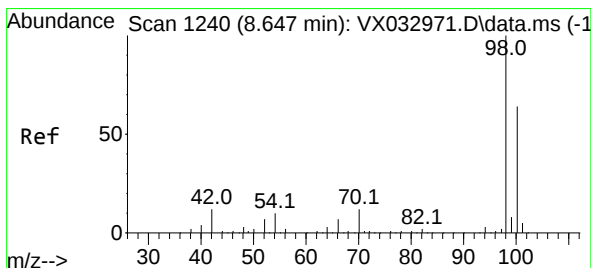
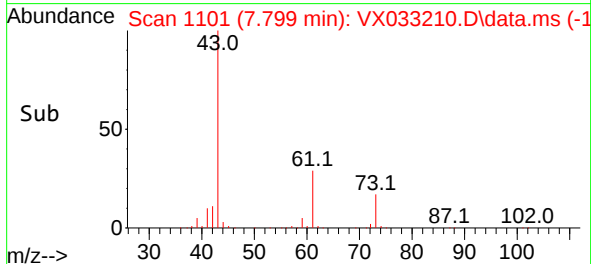
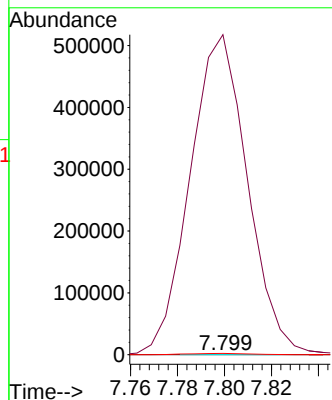
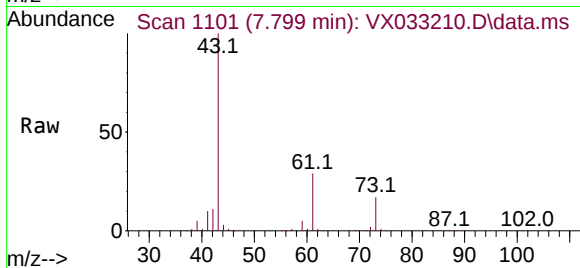
Tgt Ion: 88 Resp: 85

Ion Ratio Lower Upper

88 100

43 1040205.9 26.6 39.8#

58 4409.4 51.7 77.5#



#50

Toluene-d8

Concen: 22.694 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX033210.D

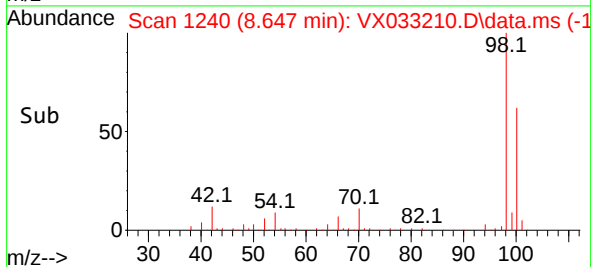
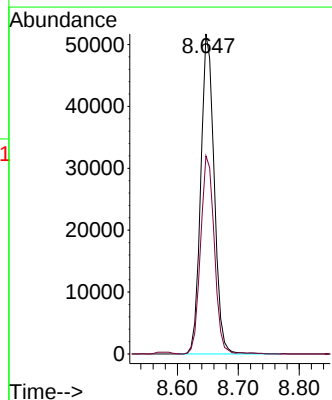
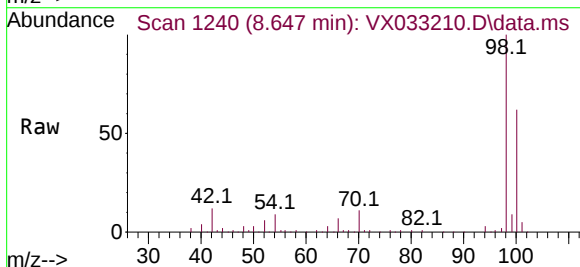
Acq: 03 Dec 2022 00:38

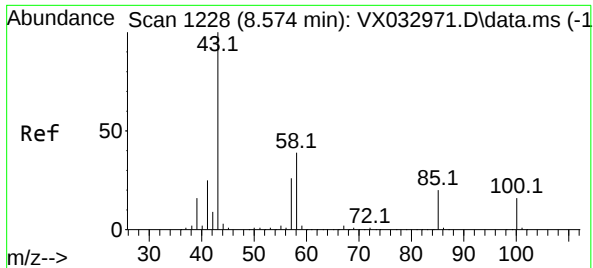
Tgt Ion: 98 Resp: 78949

Ion Ratio Lower Upper

98 100

100 63.8 50.9 76.3

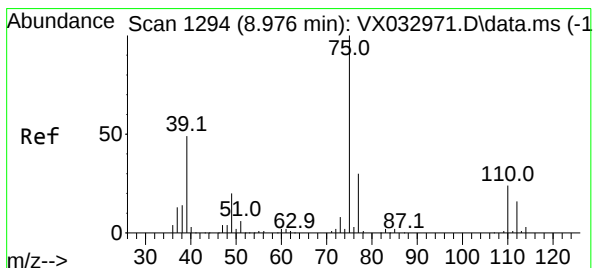
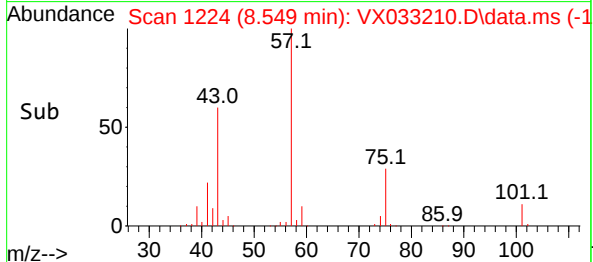
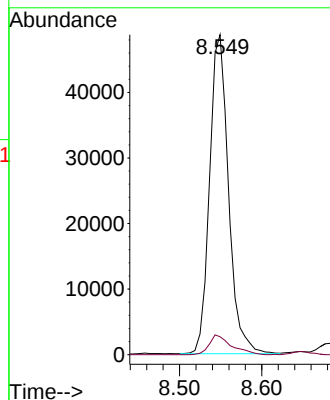
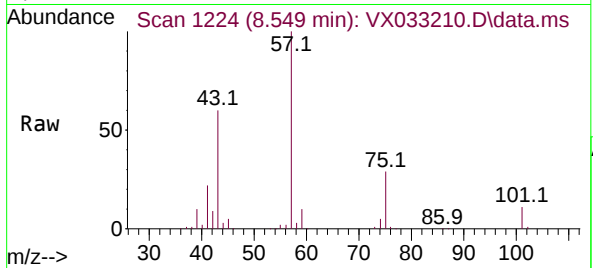




#51
4-Methyl-2-Pentanone
Concen: 49.694 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX033210.D
Acq: 03 Dec 2022 00:38

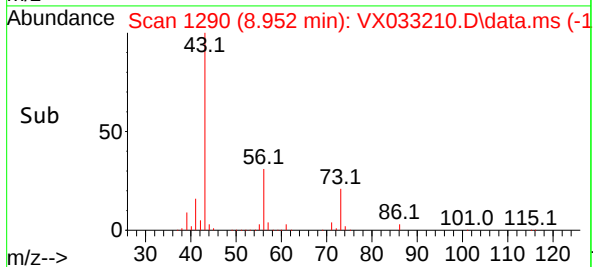
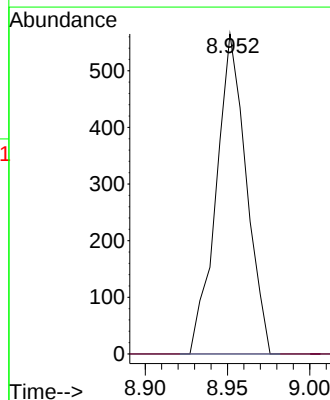
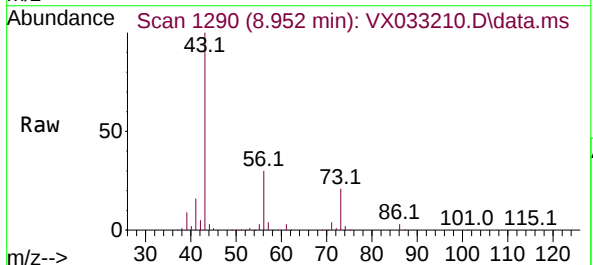
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#04

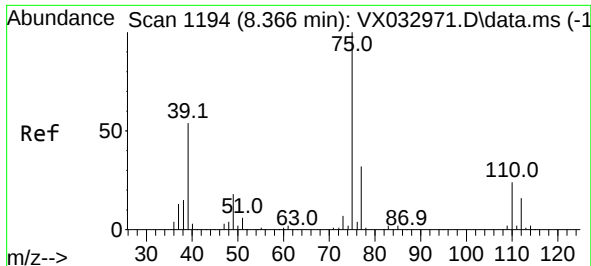
Tgt Ion: 43 Resp: 77759
Ion Ratio Lower Upper
43 100
58 7.3 30.9 46.3#



#53
t-1,3-Dichloropropene
Concen: 1.871 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.030 min
Lab File: VX033210.D
Acq: 03 Dec 2022 00:38

Tgt Ion: 75 Resp: 719
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

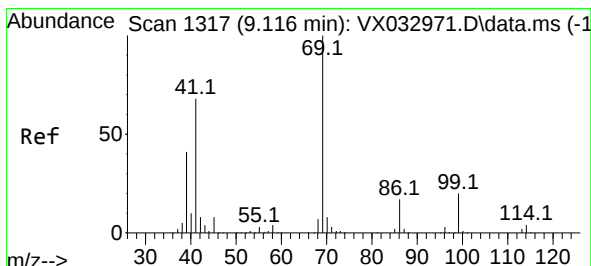
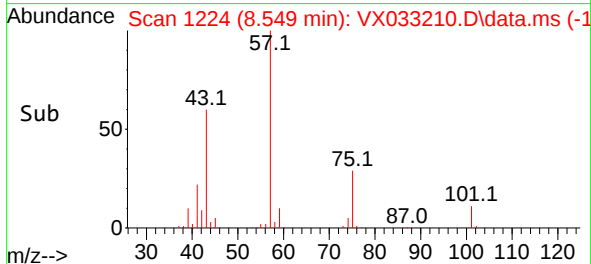
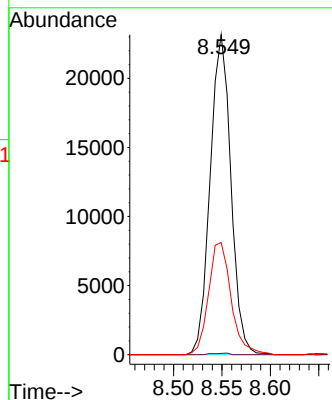
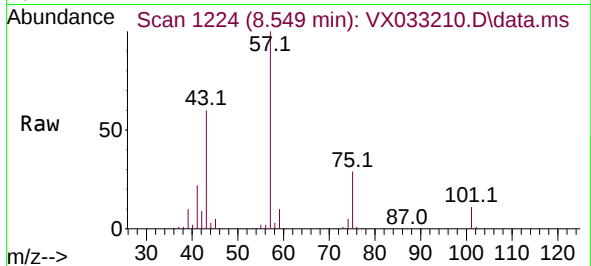




#54
 cis-1,3-Dichloropropene
 Concen: 17.435 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033210.D
 Acq: 03 Dec 2022 00:38

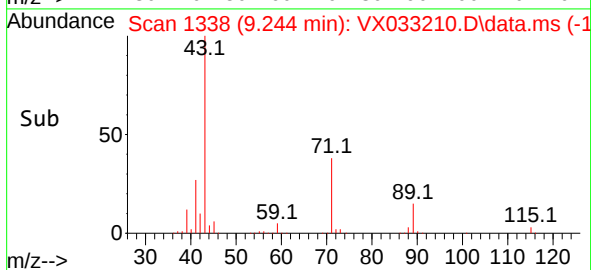
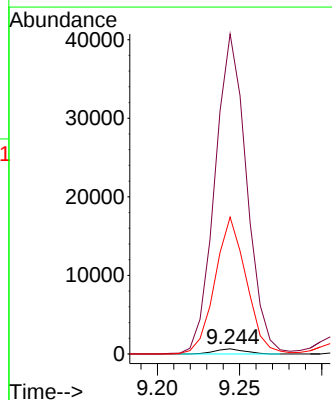
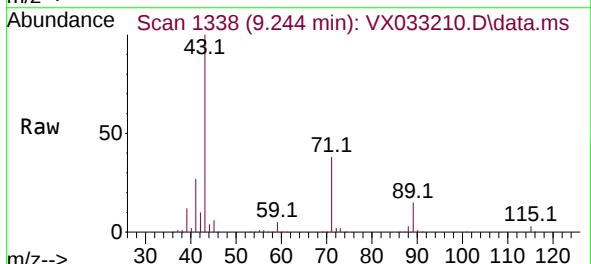
Instrument :
 MSVOA_X
 ClientSampleId :
 PB149377ZHE#04

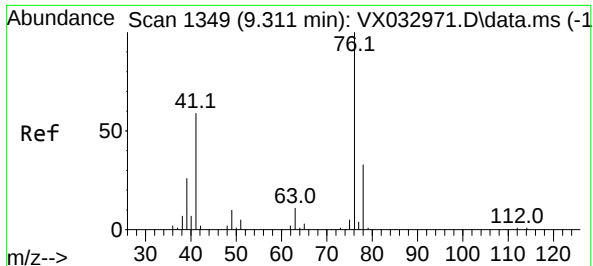
Tgt Ion: 75 Resp: 34511
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.1 37.7#
 39 35.1 45.5 68.3#



#56
 Ethyl methacrylate
 Concen: 0.451 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX033210.D
 Acq: 03 Dec 2022 00:38

Tgt Ion: 69 Resp: 821
 Ion Ratio Lower Upper
 69 100
 41 6679.4 54.3 81.5#
 39 2810.2 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 2.134 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX033210.D

Acq: 03 Dec 2022 00:38

Instrument :

MSVOA_X

ClientSampleId :

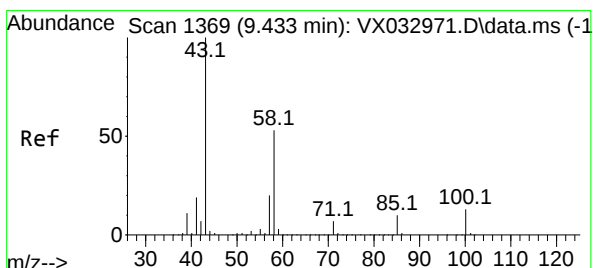
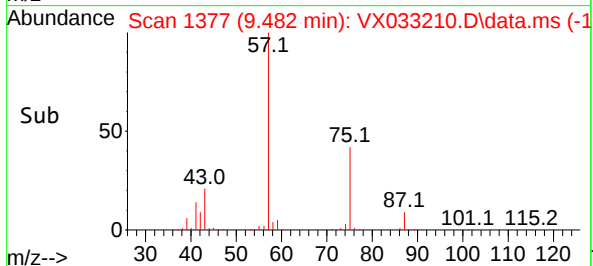
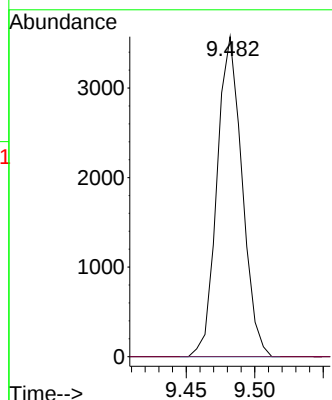
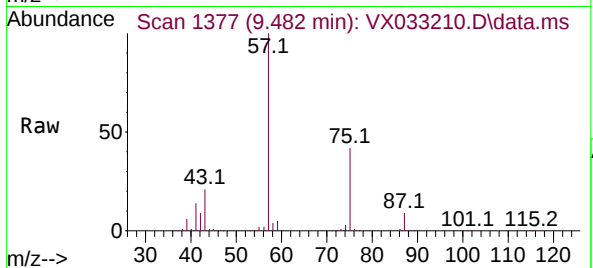
PB149377ZHE#04

Tgt Ion: 76 Resp: 4547

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 56.828 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033210.D

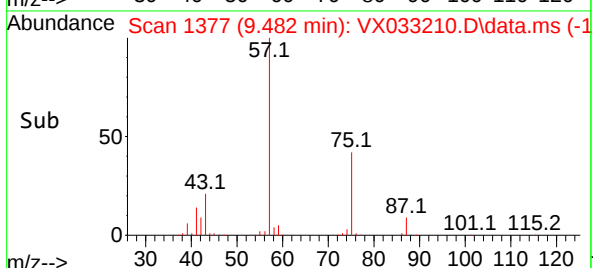
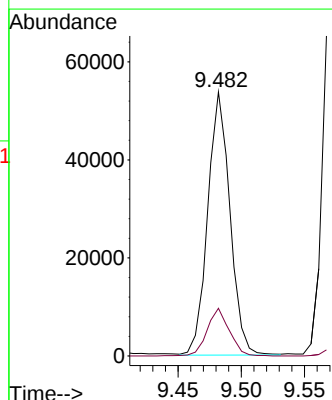
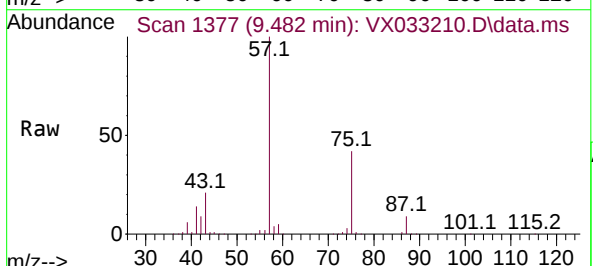
Acq: 03 Dec 2022 00:38

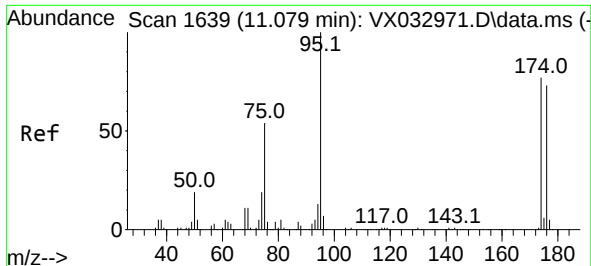
Tgt Ion: 43 Resp: 65688

Ion Ratio Lower Upper

43 100

58 18.1 26.5 79.5#





#62

4-Bromofluorobenzene

Concen: 41.808 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033210.D

Acq: 03 Dec 2022 00:38

Instrument :

MSVOA_X

ClientSampleId :

PB149377ZHE#04

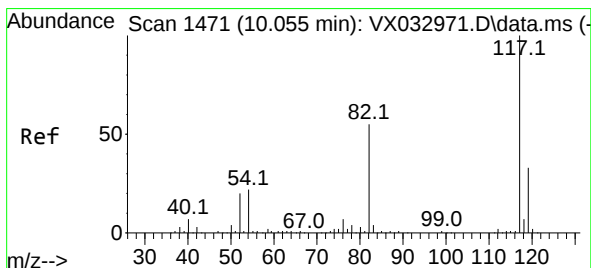
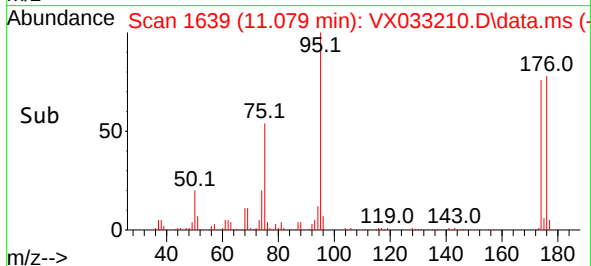
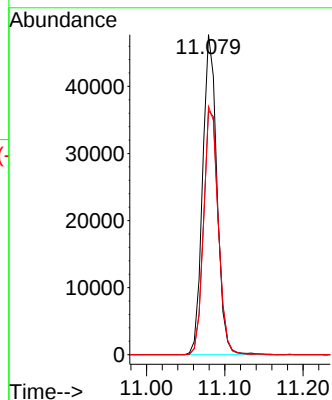
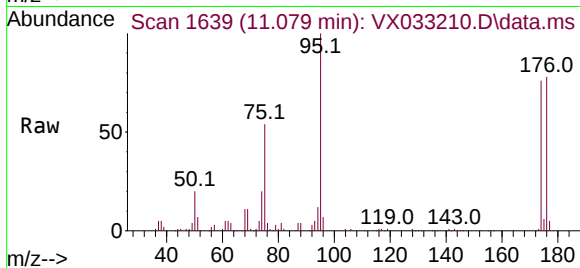
Tgt Ion: 95 Resp: 60365

Ion Ratio Lower Upper

95 100

174 79.1 0.0 164.0

176 78.7 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: VX033210.D

Acq: 03 Dec 2022 00:38

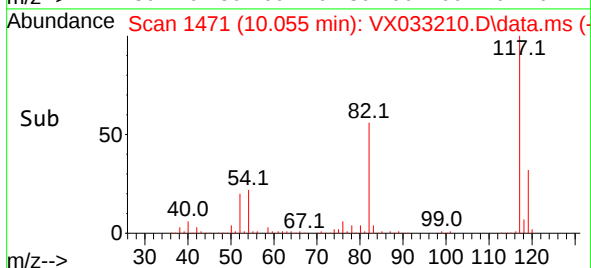
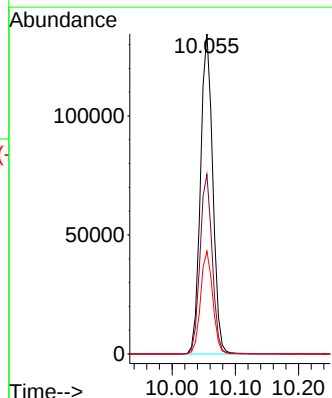
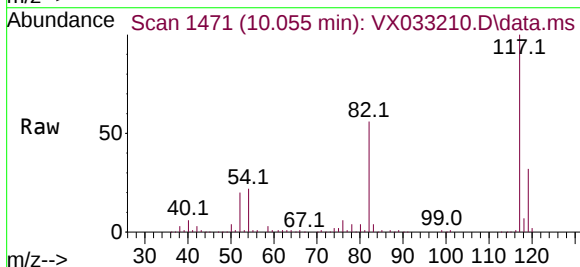
Tgt Ion: 117 Resp: 181835

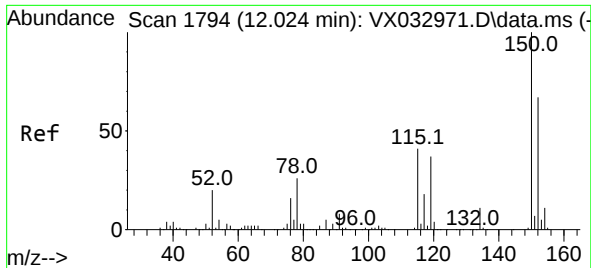
Ion Ratio Lower Upper

117 100

82 56.1 44.3 66.5

119 32.1 25.7 38.5

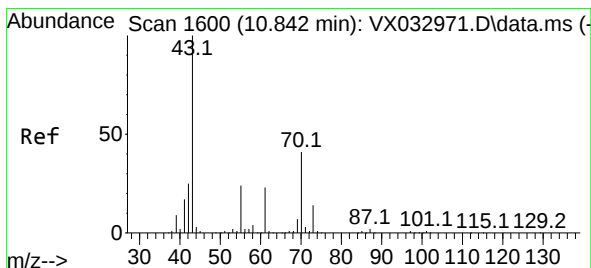
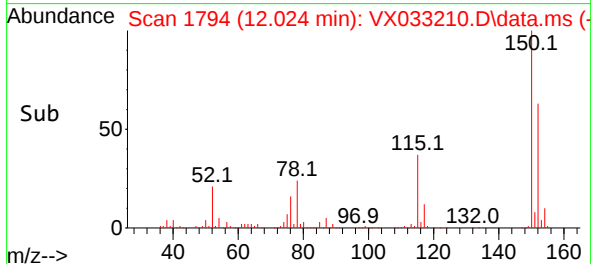
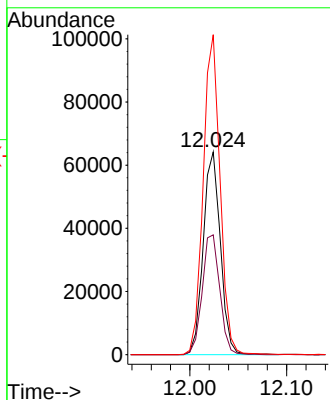
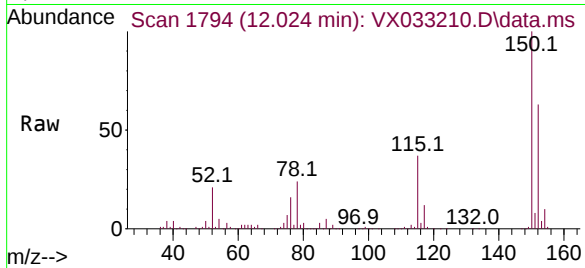




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033210.D
Acq: 03 Dec 2022 00:38

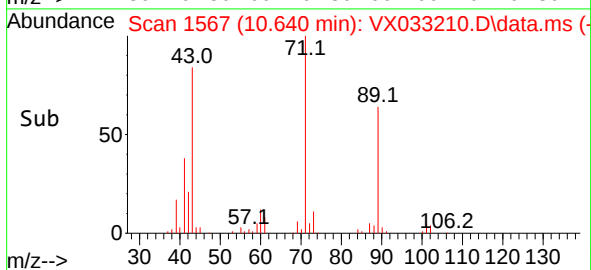
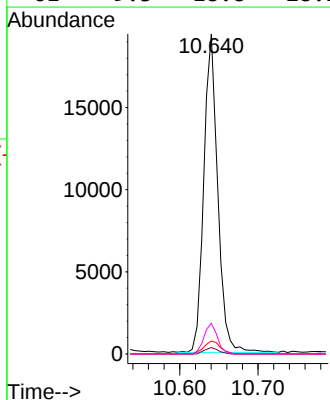
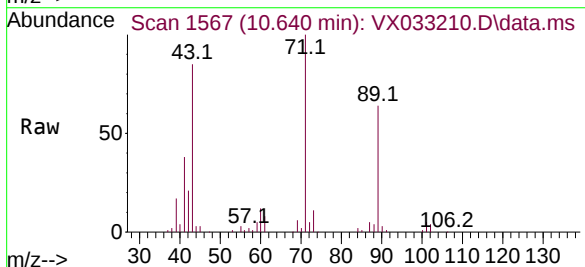
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#04

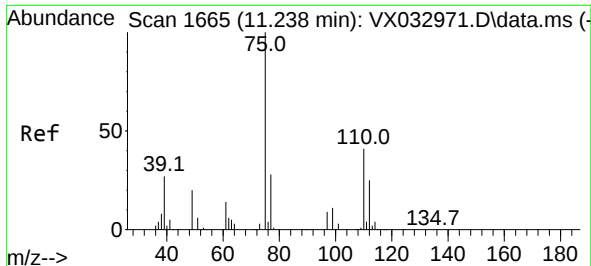
Tgt Ion:152 Resp: 79324
Ion Ratio Lower Upper
152 100
115 60.5 44.0 132.0
150 155.5 0.0 351.8



#74
N-ethyl acetate
Concen: 12.385 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033210.D
Acq: 03 Dec 2022 00:38

Tgt Ion: 43 Resp: 23881
Ion Ratio Lower Upper
43 100
70 2.0 33.6 50.4#
55 4.7 19.4 29.2#
61 9.3 18.8 28.2#

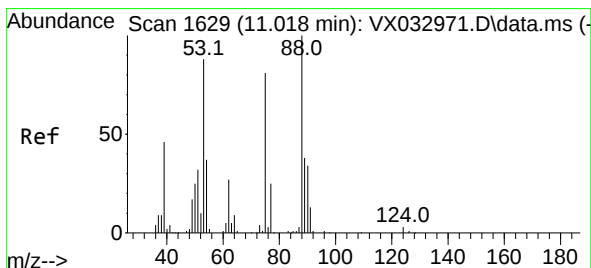
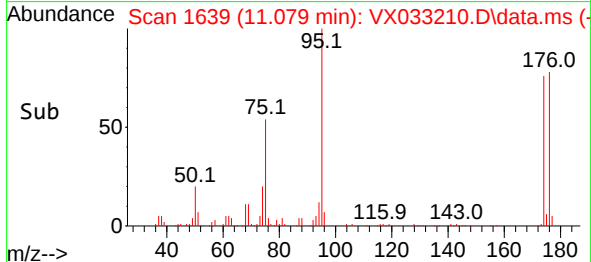
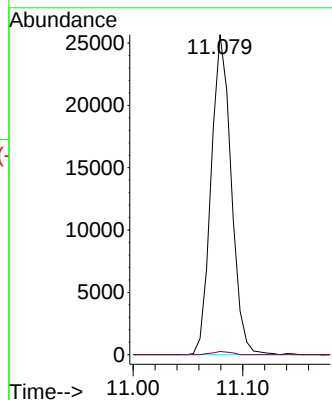
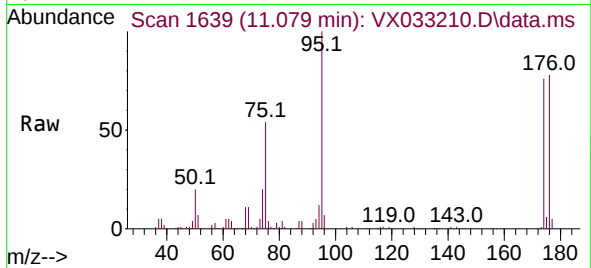




#76
1,2,3-Trichloropropane
Concen: 21.770 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033210.D
Acq: 03 Dec 2022 00:38

Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#04

Tgt Ion: 75 Resp: 32705
Ion Ratio Lower Upper
75 100
77 0.9 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.764 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033210.D
Acq: 03 Dec 2022 00:38

Tgt Ion: 75 Resp: 32705
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

