

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032244.D
 Acq On : 20 Oct 2022 06:05
 Operator : JC/MD
 Sample : PB148361ZHE#10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB148361ZHE#10

Quant Time: Oct 20 13:12:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 19 16:51:09 2022
 Response via : Initial Calibration

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

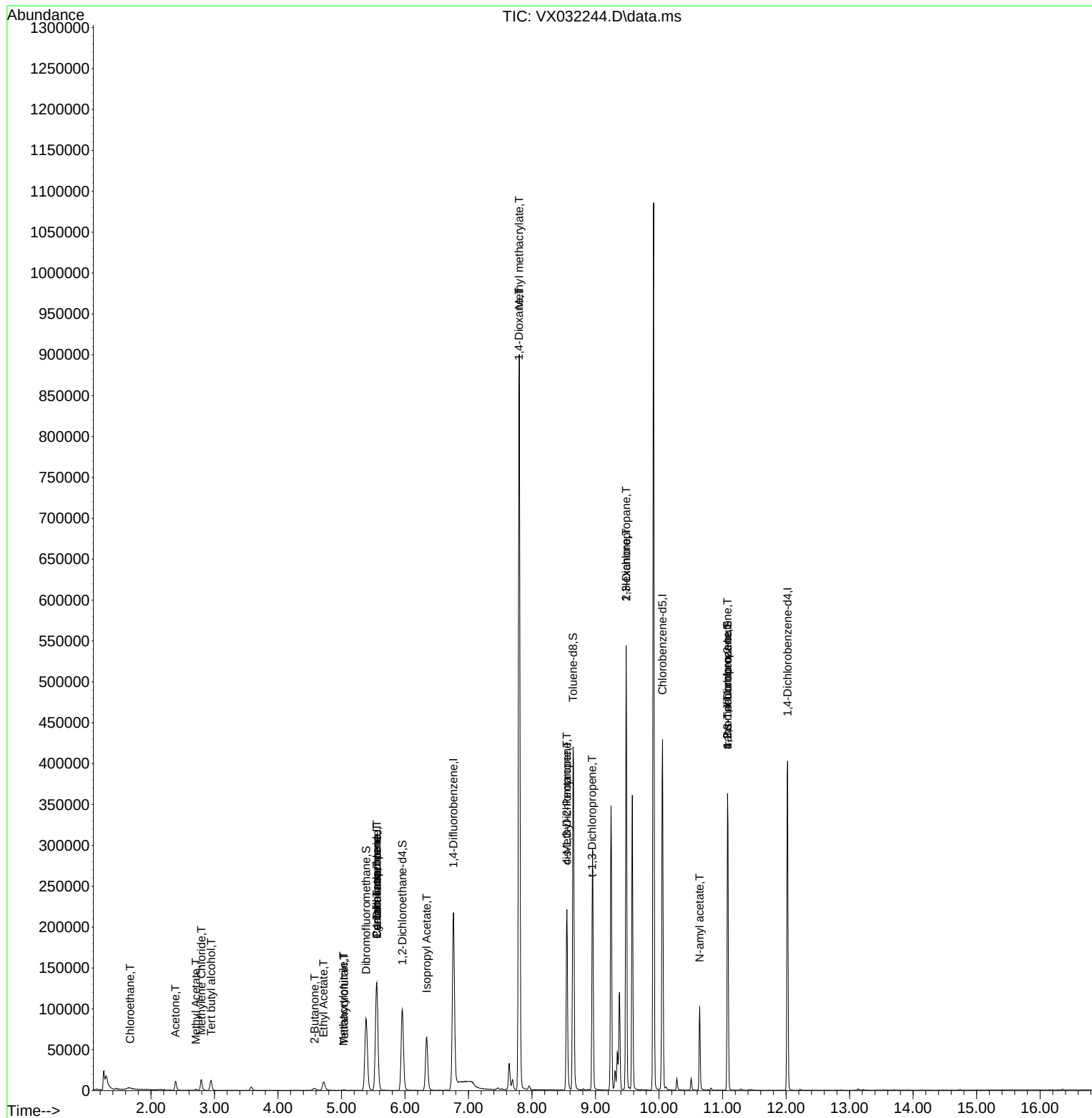
Internal Standards						
1) Pentafluorobenzene	5.556	168	122712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	208531	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	182753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	99312	62.212	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 124.420%#	
35) Dibromofluoromethane	5.385	113	74460	51.313	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.620%	
50) Toluene-d8	8.647	98	253008	48.436	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.880%	
62) 4-Bromofluorobenzene	11.079	95	92018	48.107	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.220%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.282	50	244	Below Cal	#	44
6) Chloroethane	1.672	64	306	2.195	ug/l #	41
11) Tert butyl alcohol	2.947	59	7105	9.375	ug/l #	74
16) Acetone	2.386	43	13490	26.040	ug/l	96
18) Methyl Acetate	2.709	43	1919	1.091	ug/l	92
20) Methylene Chloride	2.794	84	6484	4.874	ug/l	96
25) 2-Butanone	4.574	43	1970	2.436	ug/l	99
29) Tetrahydrofuran	5.044	42	623	1.193	ug/l #	44
31) Cyclohexane	5.556	56	2671	1.464	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	9648	5.169	ug/l #	49
37) Ethyl Acetate	4.715	43	18726	10.246	ug/l	99
38) Carbon Tetrachloride	5.556	117	13277	6.738	ug/l #	17
41) Methacrylonitrile	5.032	41	419	0.435	ug/l #	27
43) Isopropyl Acetate	6.342	43	88737	30.935	ug/l	99
48) Methyl methacrylate	7.799	41	81442	56.930	ug/l #	42
49) 1,4-Dioxane	7.793	88	50	1.742	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	77431	43.062	ug/l #	49
53) t-1,3-Dichloropropene	8.945	75	577	2.081	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	34279	16.360	ug/l #	65
57) 1,3-Dichloropropane	9.482	76	4537	1.967	ug/l #	42
59) 2-Hexanone	9.482	43	63481	47.314	ug/l #	50
74) N-amyl acetate	10.640	43	24769	11.607	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	49644	30.949	ug/l #	45
81) trans-1,4-Dichloro-2-b...	11.079	75	49644	94.623	ug/l #	6

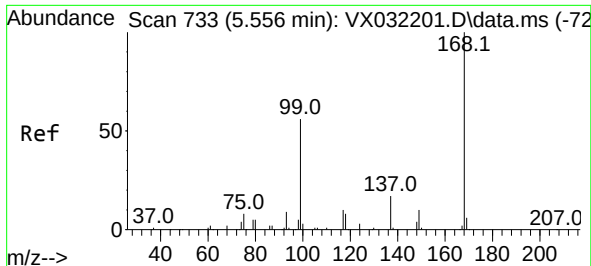
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
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ALS Vial : 51 Sample Multiplier: 1

Instrument :
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Quant Time: Oct 20 13:12:39 2022
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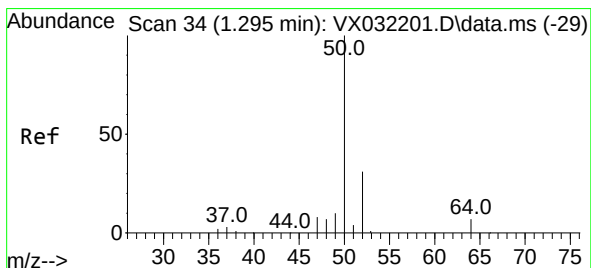
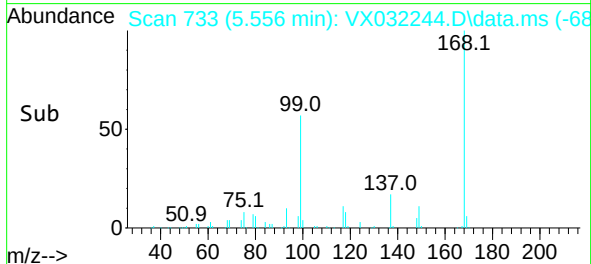
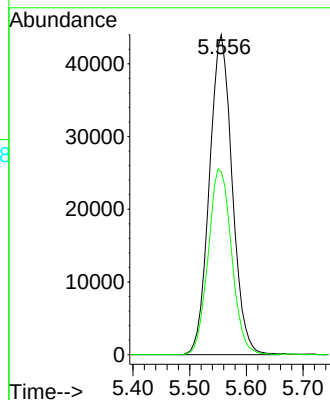
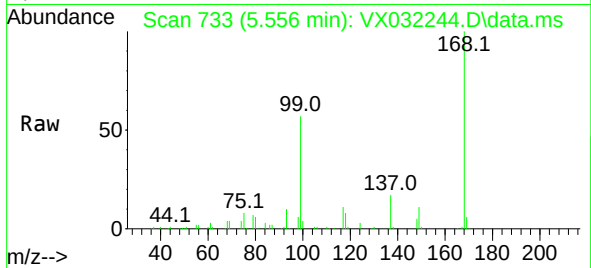




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032244.D
Acq: 20 Oct 2022 06:05

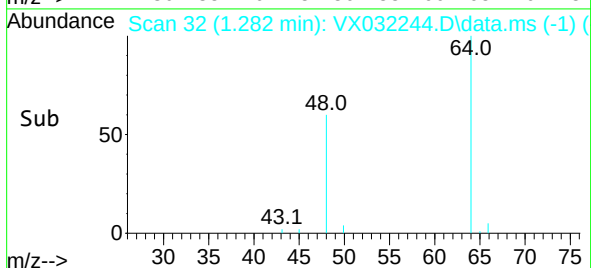
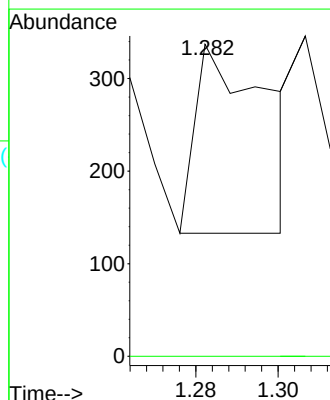
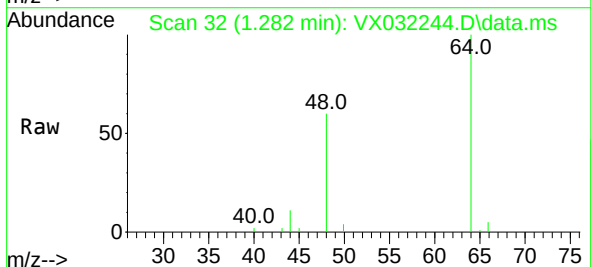
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#10

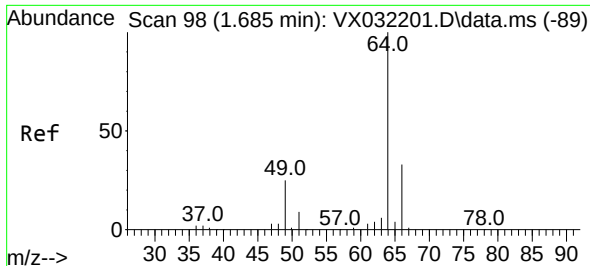
Tgt Ion:168 Resp: 122712
Ion Ratio Lower Upper
168 100
99 57.1 44.8 67.2



#3
Chloromethane
Concen: Below Cal
RT: 1.282 min Scan# 32
Delta R.T. -0.013 min
Lab File: VX032244.D
Acq: 20 Oct 2022 06:05

Tgt Ion: 50 Resp: 244
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#

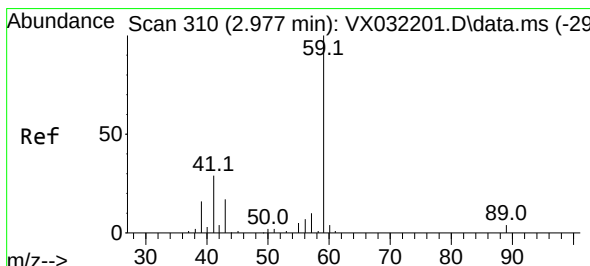
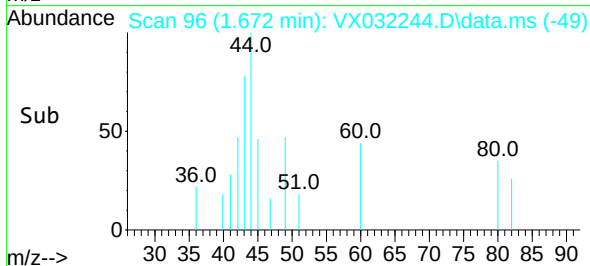
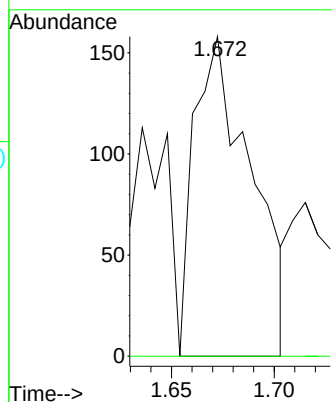
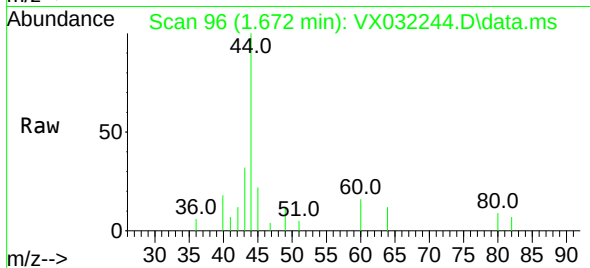




#6
Chloroethane
Concen: 2.195 ug/l
RT: 1.672 min Scan# 91
Delta R.T. -0.013 min
Lab File: VX032244.D
Acq: 20 Oct 2022 06:05

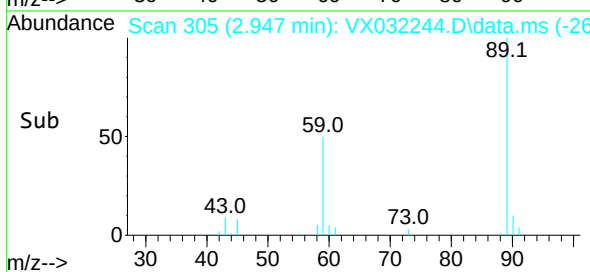
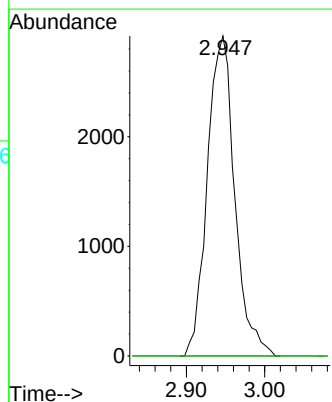
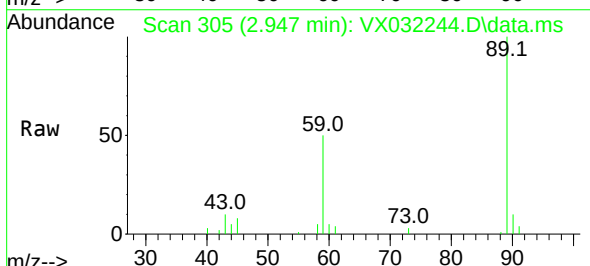
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#10

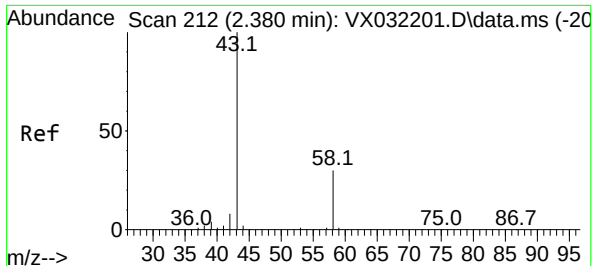
Tgt Ion: 64 Resp: 306
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: 9.375 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX032244.D
Acq: 20 Oct 2022 06:05

Tgt Ion: 59 Resp: 7105
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#

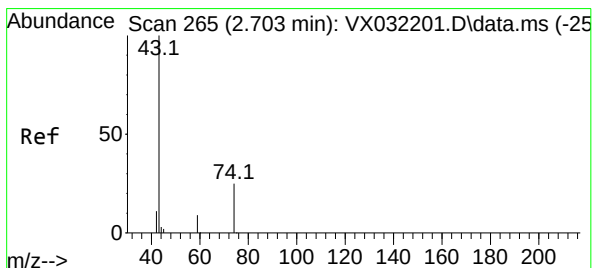
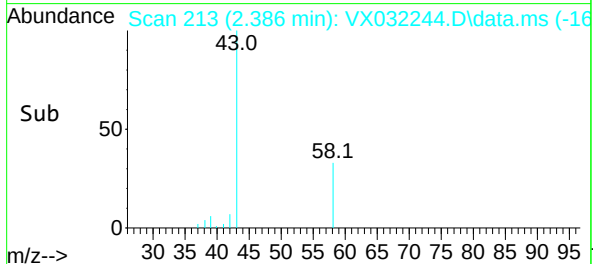
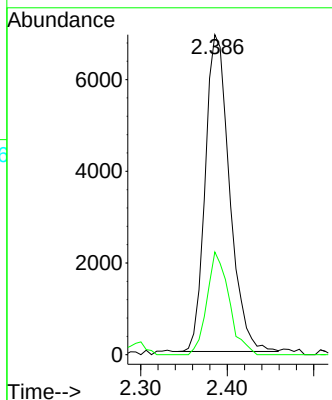
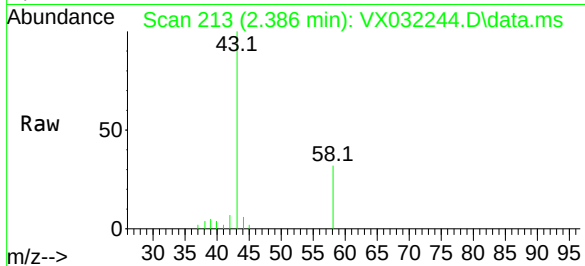




#16
Acetone
Concen: 26.040 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX032244.D
Acq: 20 Oct 2022 06:05

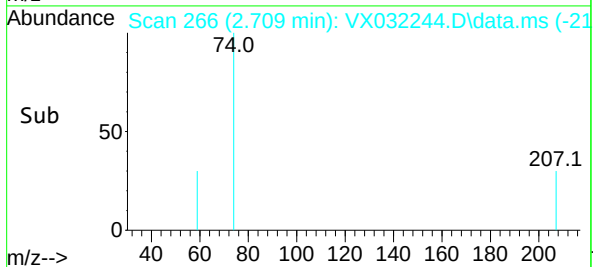
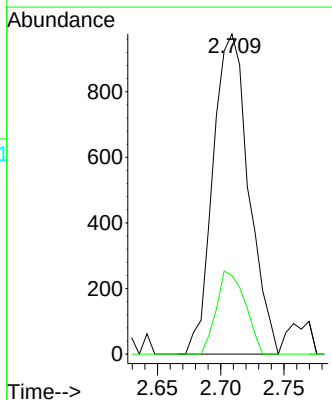
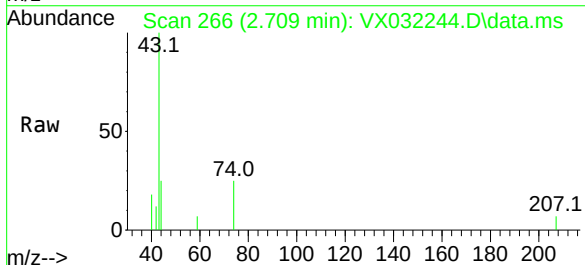
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#10

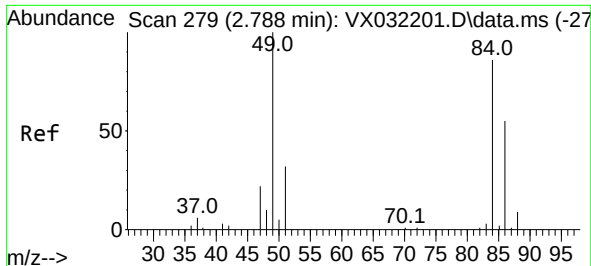
Tgt Ion: 43 Resp: 13490
Ion Ratio Lower Upper
43 100
58 32.4 24.2 36.2



#18
Methyl Acetate
Concen: 1.091 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX032244.D
Acq: 20 Oct 2022 06:05

Tgt Ion: 43 Resp: 1919
Ion Ratio Lower Upper
43 100
74 20.8 19.8 29.8

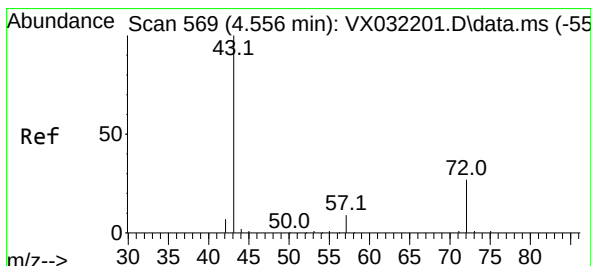
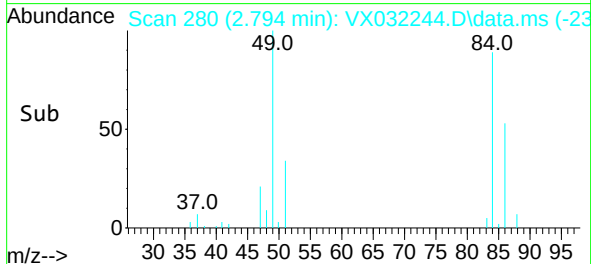
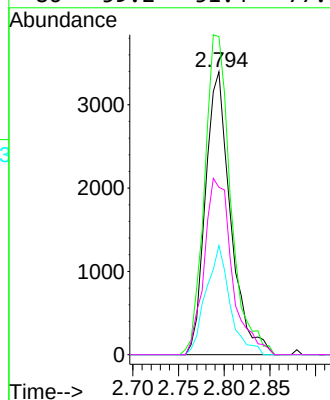
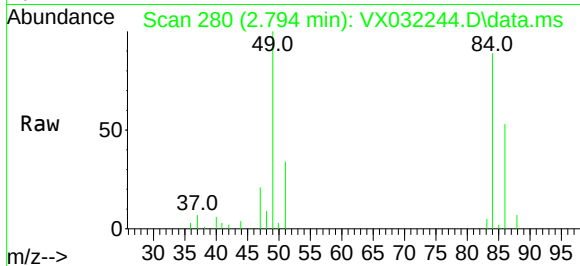




#20
Methylene Chloride
Concen: 4.874 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX032244.D
Acq: 20 Oct 2022 06:05

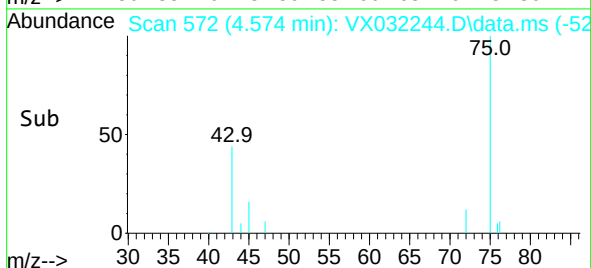
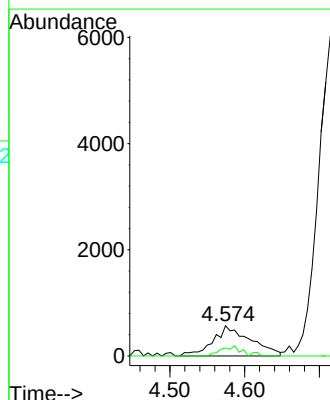
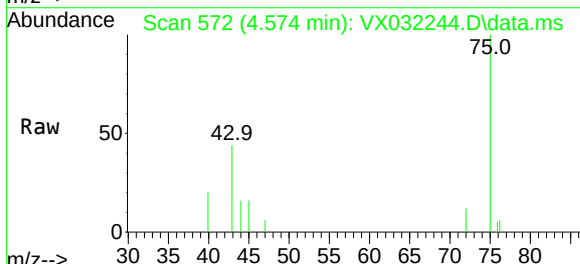
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#10

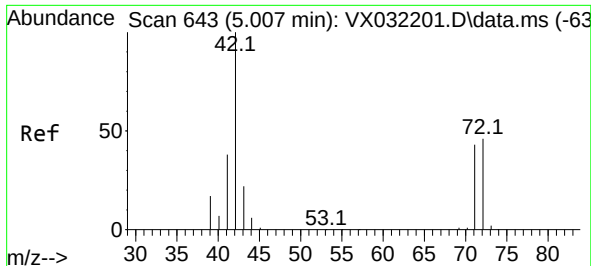
Tgt Ion: 84	Resp: 6484
Ion Ratio	Lower Upper
84 100	
49 112.4	92.6 139.0
51 38.6	29.2 43.8
86 59.2	51.4 77.0



#25
2-Butanone
Concen: 2.436 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX032244.D
Acq: 20 Oct 2022 06:05

Tgt Ion: 43	Resp: 1970		
Ion Ratio	Lower	Upper	
43 100			
72 26.4	21.7	32.5	





#29

Tetrahydrofuran

Concen: 1.193 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.037 min

Lab File: VX032244.D

Acq: 20 Oct 2022 06:05

Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#10

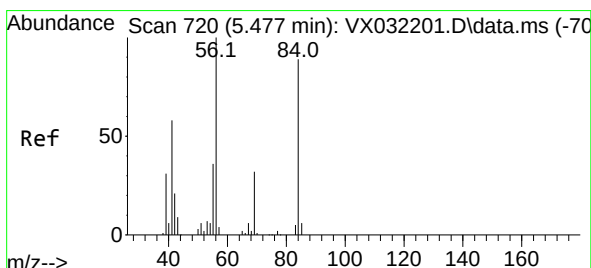
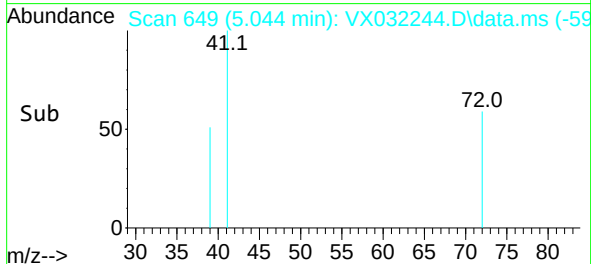
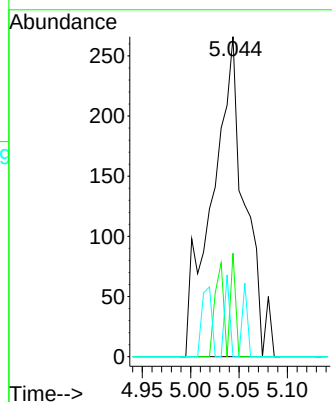
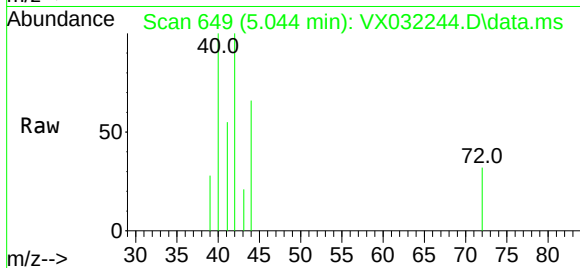
Tgt Ion: 42 Resp: 623

Ion Ratio Lower Upper

42 100

72 12.7 37.5 56.3#

71 4.0 34.7 52.1#



#31

Cyclohexane

Concen: 1.464 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX032244.D

Acq: 20 Oct 2022 06:05

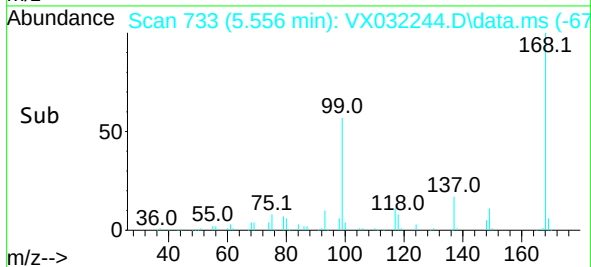
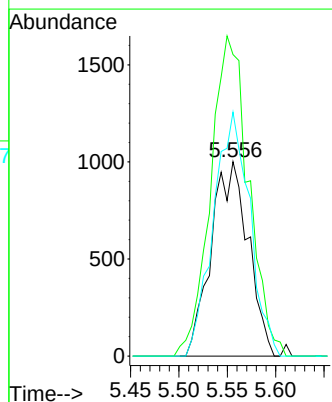
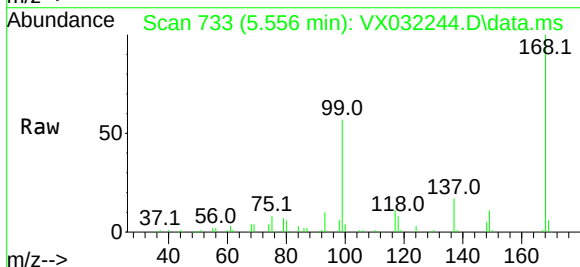
Tgt Ion: 56 Resp: 2671

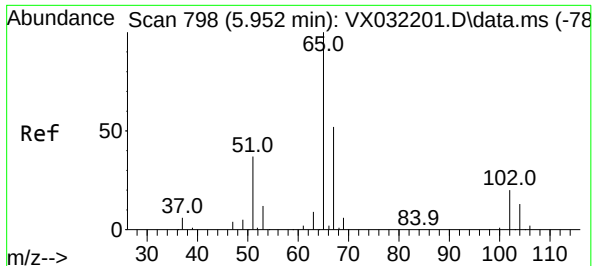
Ion Ratio Lower Upper

56 100

69 150.1 25.4 38.0#

84 125.6 71.2 106.8#





#33

1,2-Dichloroethane-d4

Concen: 62.212 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX032244.D

Acq: 20 Oct 2022 06:05

Instrument :

MSVOA_X

ClientSampleId :

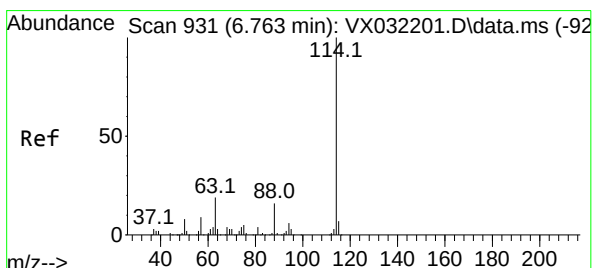
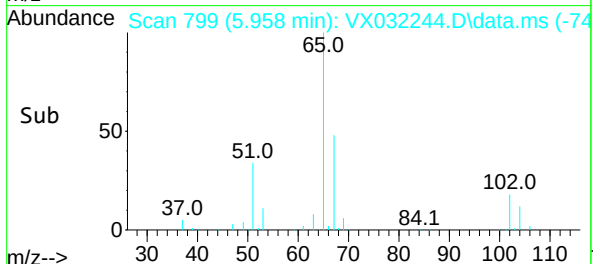
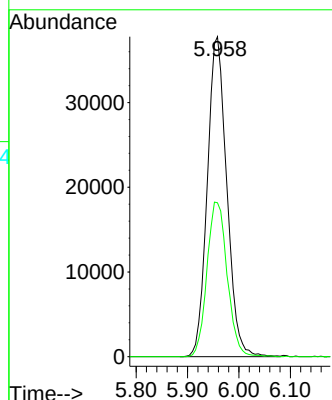
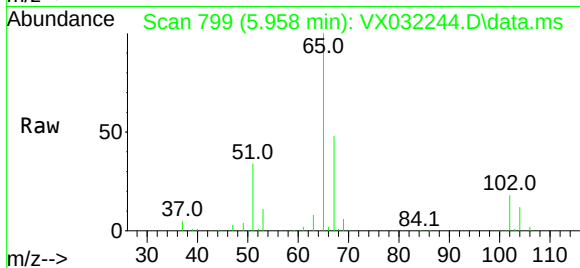
PB148361ZHE#10

Tgt Ion: 65 Resp: 99312

Ion Ratio Lower Upper

65 100

67 50.3 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX032244.D

Acq: 20 Oct 2022 06:05

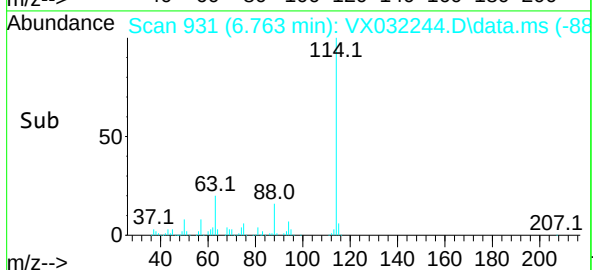
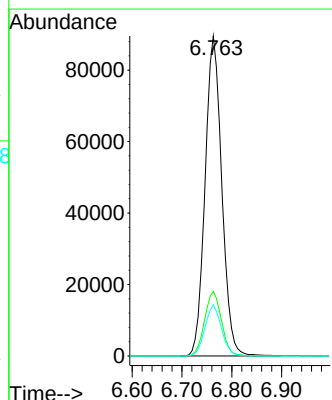
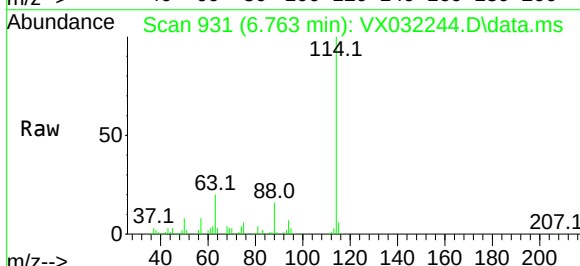
Tgt Ion: 114 Resp: 208531

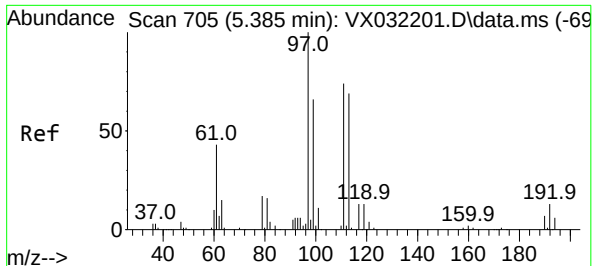
Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.6

88 16.0 0.0 32.6

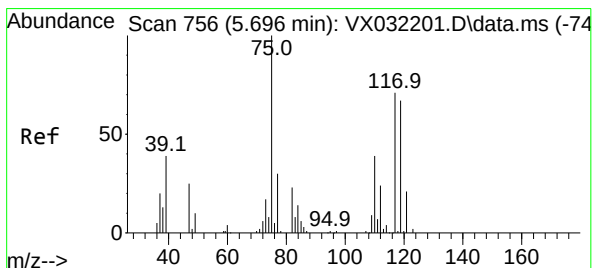
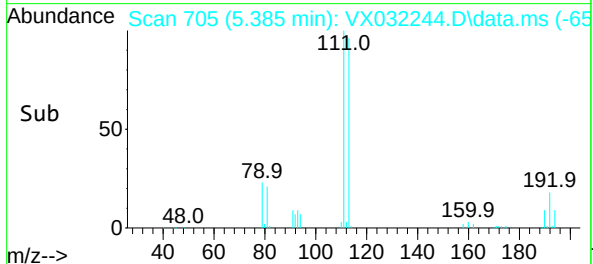
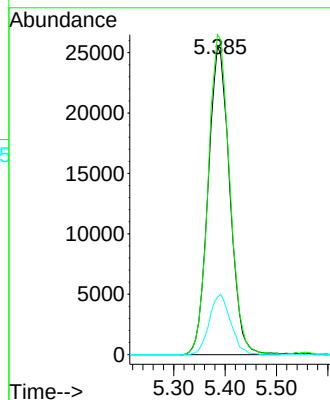
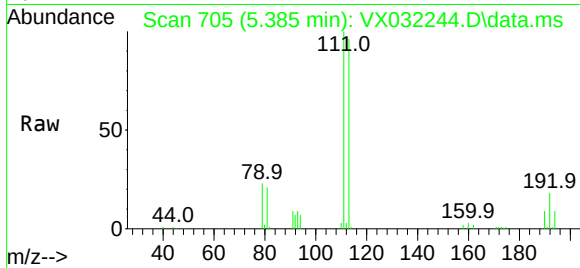




#35
Dibromofluoromethane
Concen: 51.313 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032244.D
Acq: 20 Oct 2022 06:05

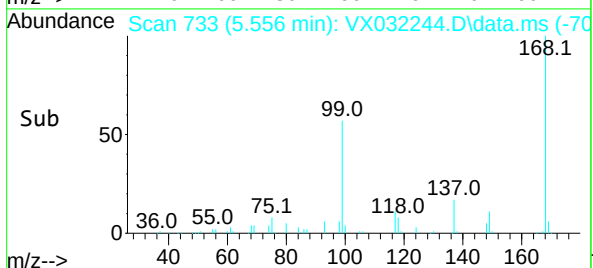
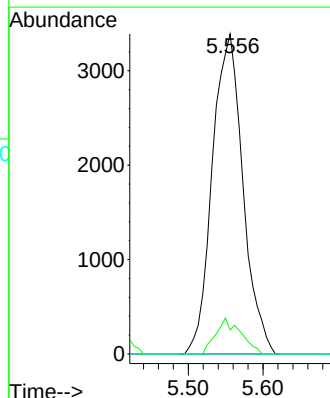
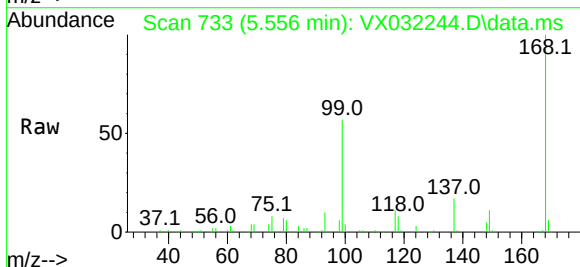
Instrument :
MSVOA_X
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PB148361ZHE#10

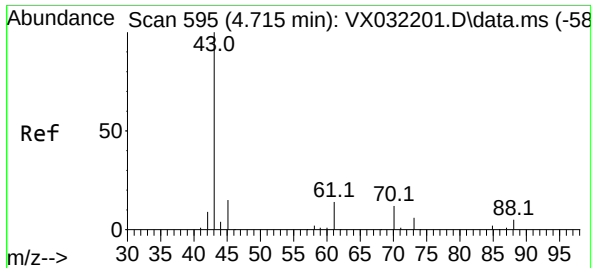
Tgt Ion:113 Resp: 74460
Ion Ratio Lower Upper
113 100
111 103.5 82.8 124.2
192 19.4 15.5 23.3



#36
1,1-Dichloropropene
Concen: 5.169 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX032244.D
Acq: 20 Oct 2022 06:05

Tgt Ion: 75 Resp: 9648
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.0#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 10.246 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX032244.D

Acq: 20 Oct 2022 06:05

Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#10

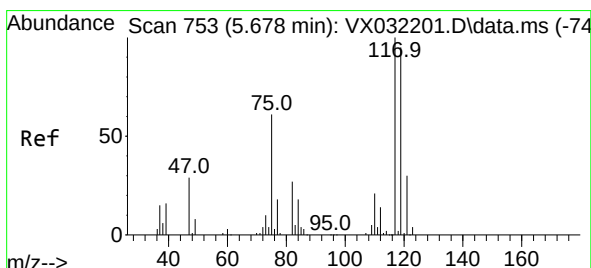
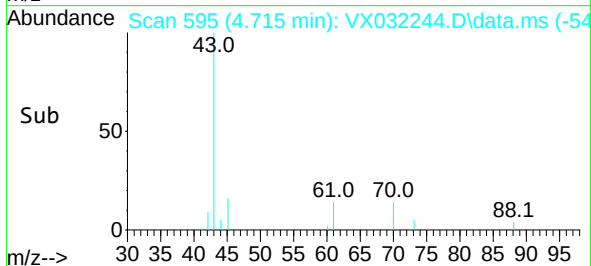
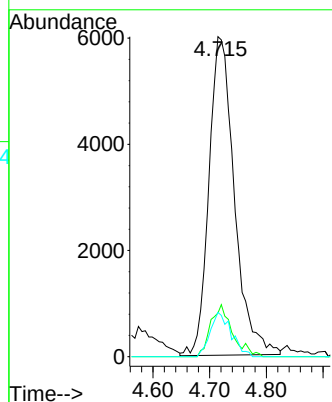
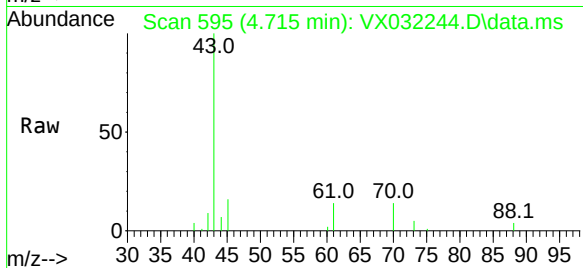
Tgt Ion: 43 Resp: 18726

Ion Ratio Lower Upper

43 100

61 13.9 11.4 17.2

70 11.6 8.8 13.2



#38

Carbon Tetrachloride

Concen: 6.738 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX032244.D

Acq: 20 Oct 2022 06:05

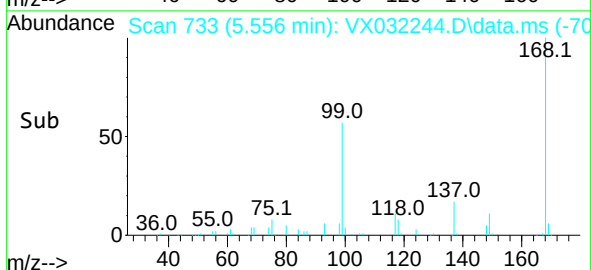
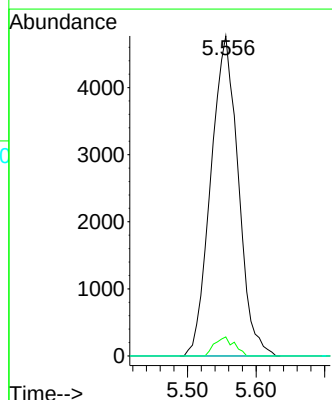
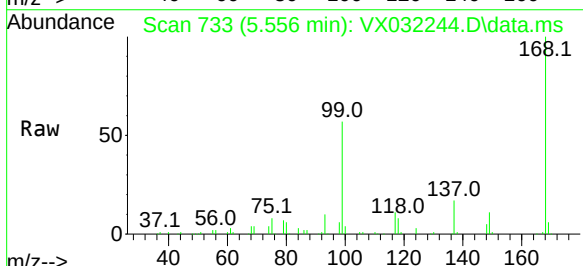
Tgt Ion: 117 Resp: 13277

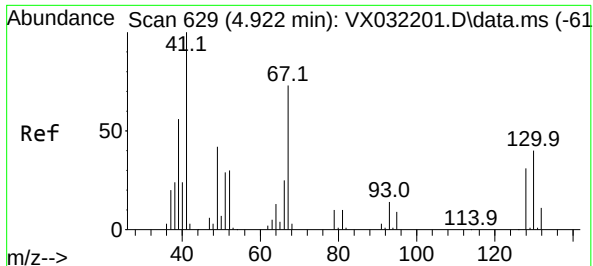
Ion Ratio Lower Upper

117 100

119 6.0 75.4 113.0#

121 0.0 23.9 35.9#



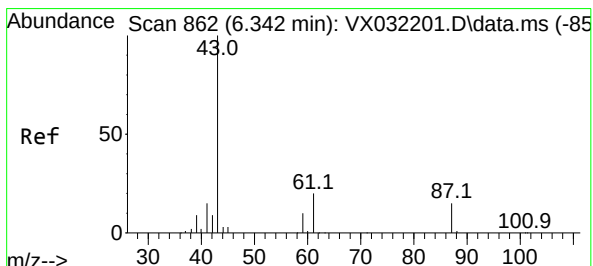
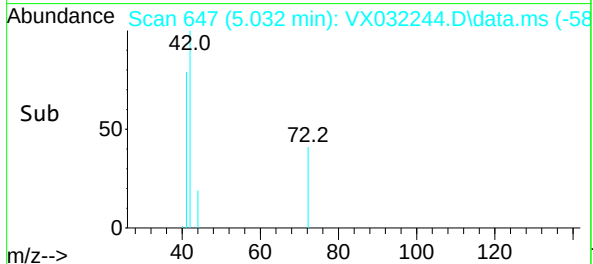
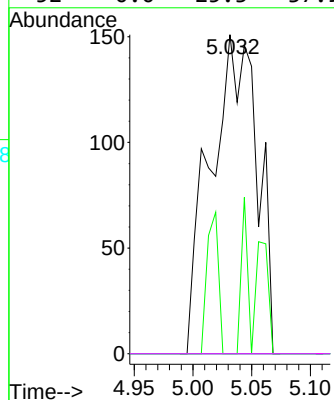
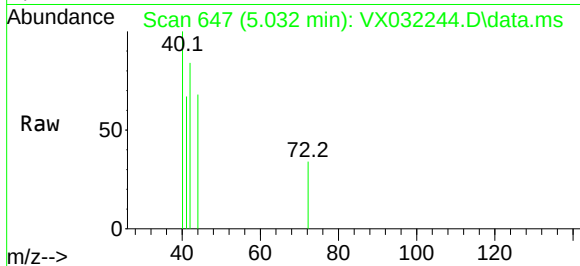


#41
Methacrylonitrile
Concen: 0.435 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX032244.D
Acq: 20 Oct 2022 06:05

Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#10

Tgt Ion: 41 Resp: 419

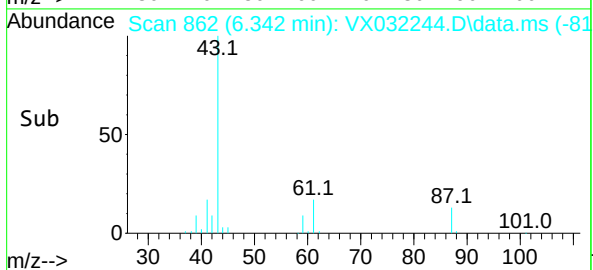
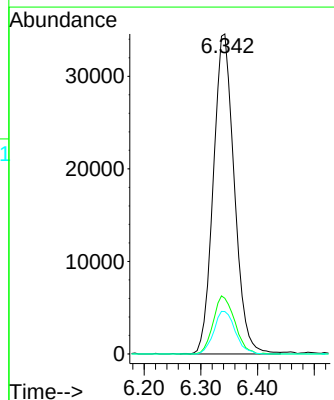
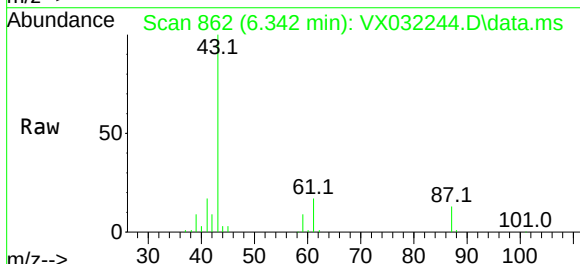
Ion	Ratio	Lower	Upper
41	100		
39	10.7	45.5	68.3#
67	0.0	59.4	89.2#
52	0.0	25.3	37.9#

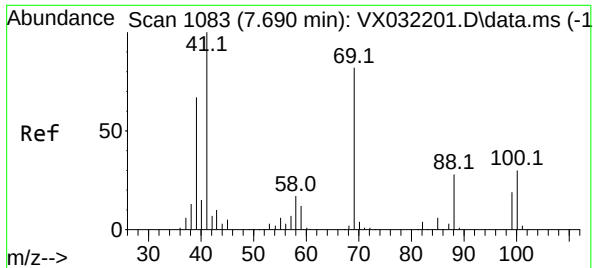


#43
Isopropyl Acetate
Concen: 30.935 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX032244.D
Acq: 20 Oct 2022 06:05

Tgt Ion: 43 Resp: 88737

Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.5	23.3
87	13.6	11.0	16.6

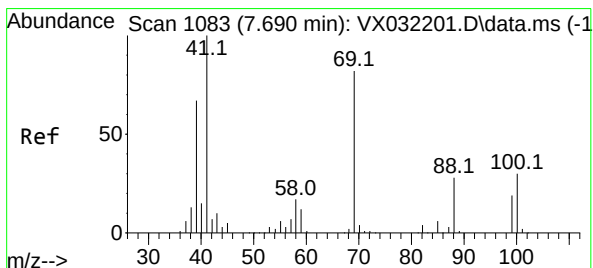
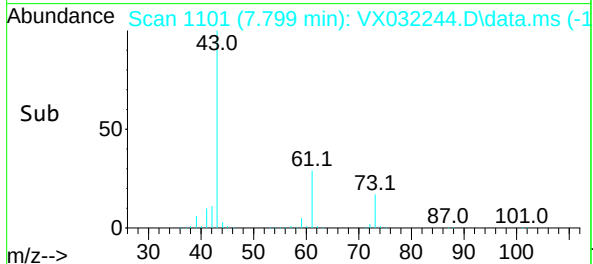
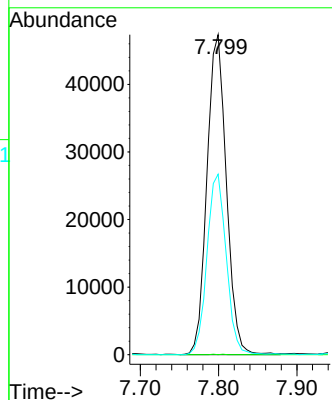
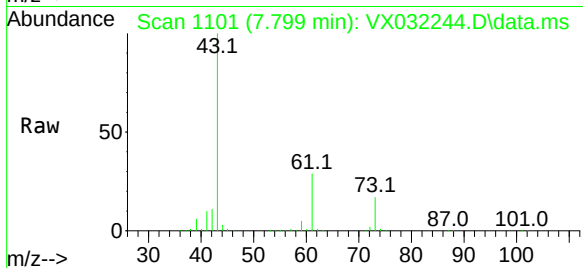




#48
Methyl methacrylate
Concen: 56.930 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX032244.D
Acq: 20 Oct 2022 06:05

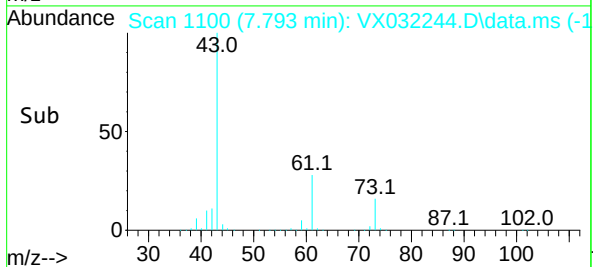
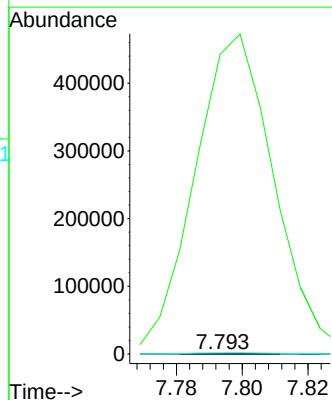
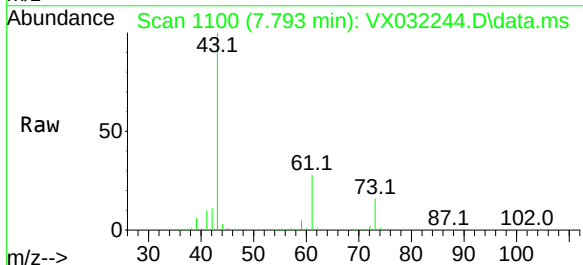
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#10

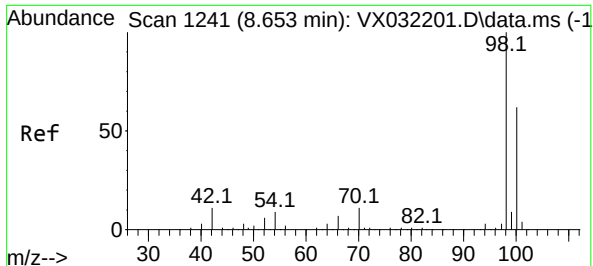
Tgt Ion: 41 Resp: 81442
Ion Ratio Lower Upper
41 100
69 0.1 67.3 100.9#
39 55.9 53.8 80.8



#49
1,4-Dioxane
Concen: 1.742 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX032244.D
Acq: 20 Oct 2022 06:05

Tgt Ion: 88 Resp: 50
Ion Ratio Lower Upper
88 100
43 1602152.0 26.9 40.3#
58 6712.0 50.7 76.1#

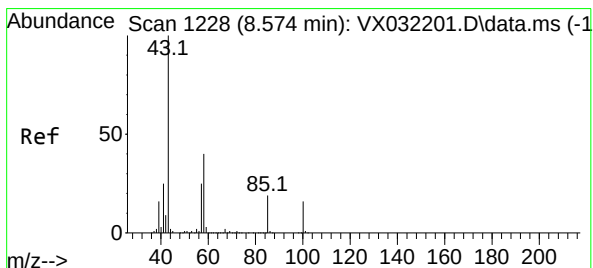
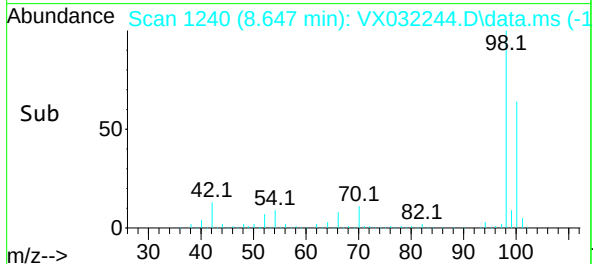
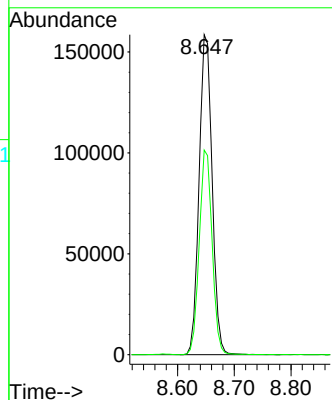
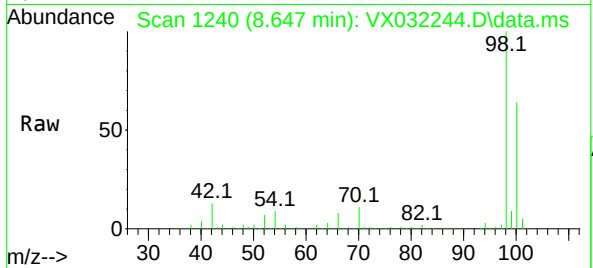




#50
Toluene-d8
Concen: 48.436 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX032244.D
Acq: 20 Oct 2022 06:05

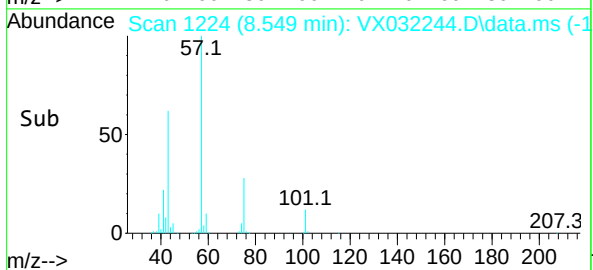
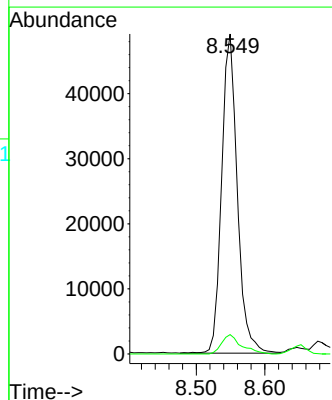
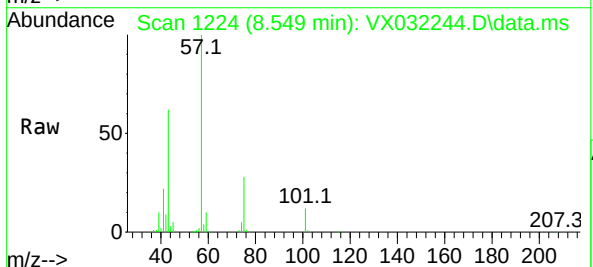
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#10

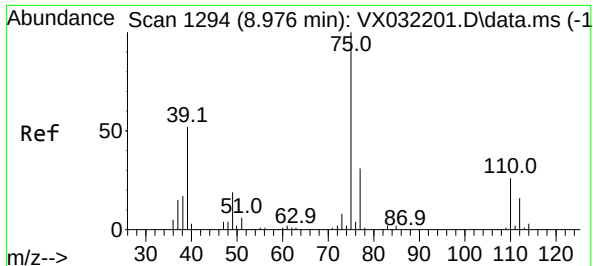
Tgt Ion: 98 Resp: 253008
Ion Ratio Lower Upper
98 100
100 63.2 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 43.062 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX032244.D
Acq: 20 Oct 2022 06:05

Tgt Ion: 43 Resp: 77431
Ion Ratio Lower Upper
43 100
58 7.6 31.0 46.4#





#53

t-1,3-Dichloropropene

Concen: 2.081 ug/l

RT: 8.945 min Scan# 11

Delta R.T. -0.031 min

Lab File: VX032244.D

Acq: 20 Oct 2022 06:05

Instrument :

MSVOA_X

ClientSampleId :

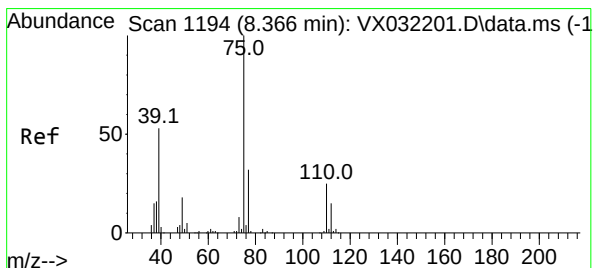
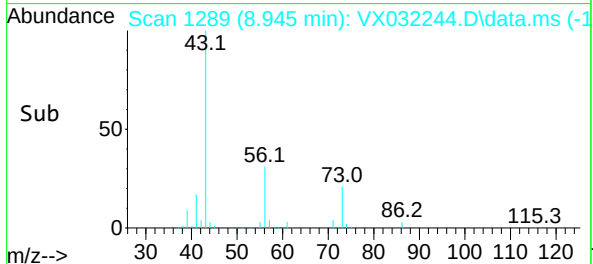
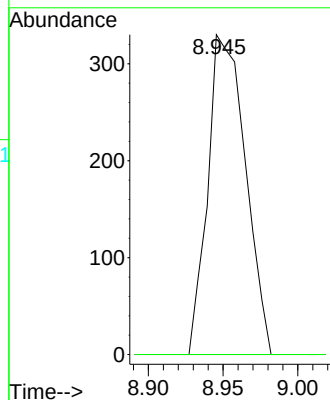
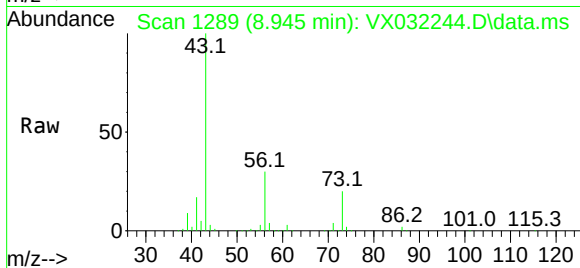
PB148361ZHE#10

Tgt Ion: 75 Resp: 577

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#



#54

cis-1,3-Dichloropropene

Concen: 16.360 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX032244.D

Acq: 20 Oct 2022 06:05

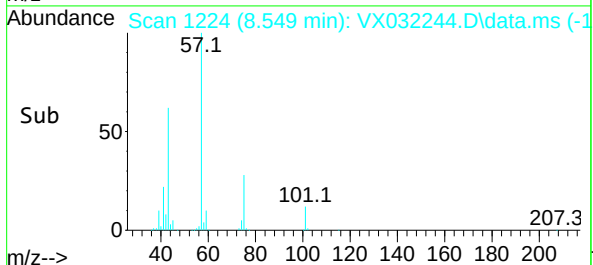
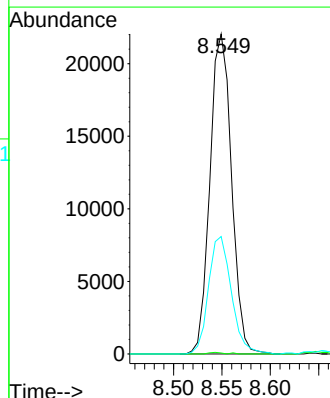
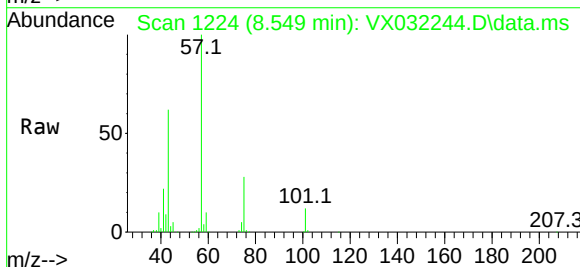
Tgt Ion: 75 Resp: 34279

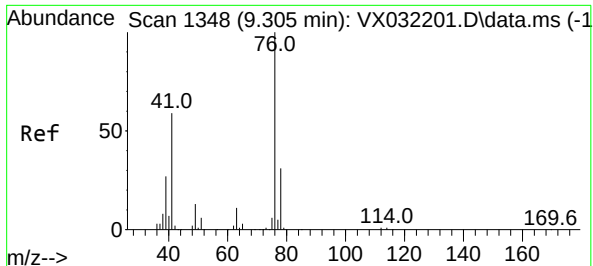
Ion Ratio Lower Upper

75 100

77 0.3 25.3 37.9#

39 36.7 42.4 63.6#





#57

1,3-Dichloropropane

Concen: 1.967 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX032244.D

Acq: 20 Oct 2022 06:05

Instrument :

MSVOA_X

ClientSampleId :

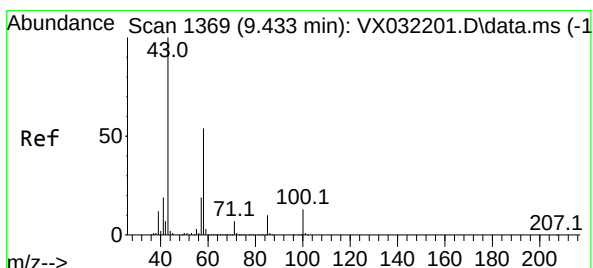
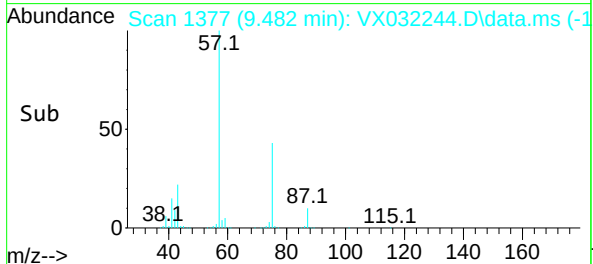
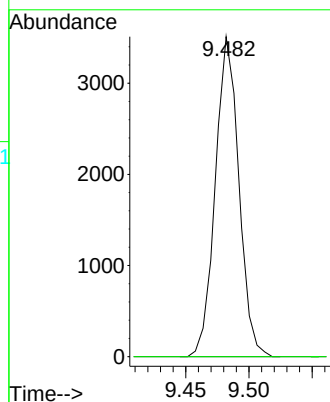
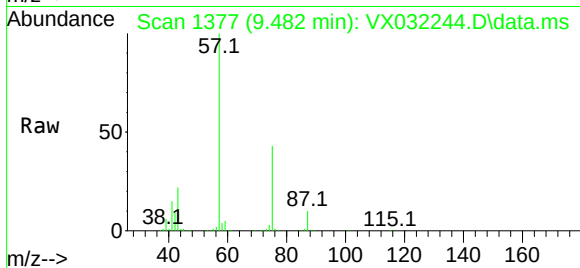
PB148361ZHE#10

Tgt Ion: 76 Resp: 4537

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 47.314 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX032244.D

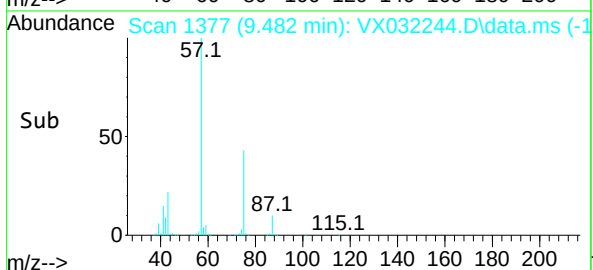
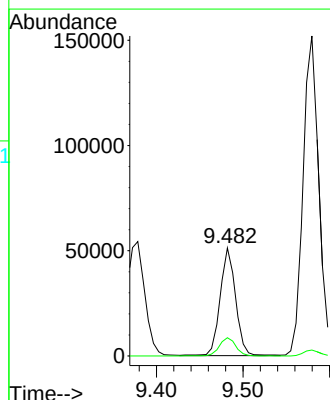
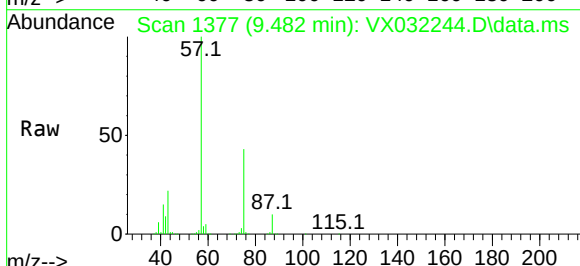
Acq: 20 Oct 2022 06:05

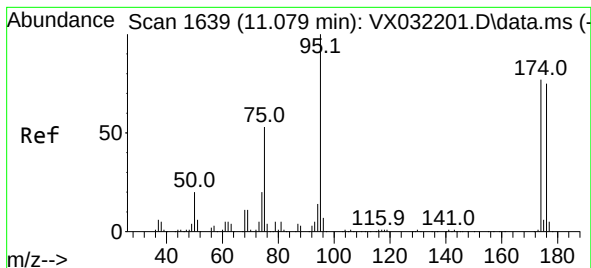
Tgt Ion: 43 Resp: 63481

Ion Ratio Lower Upper

43 100

58 18.1 26.7 80.1#

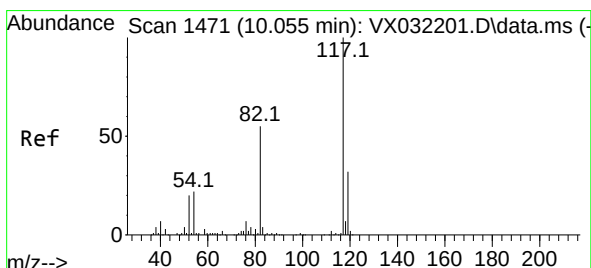
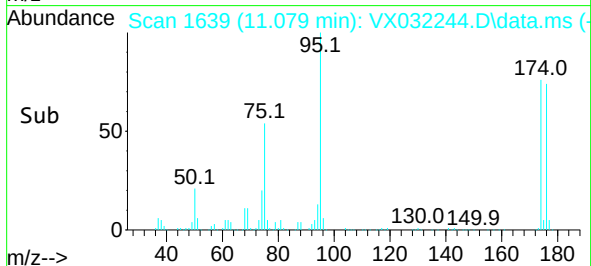
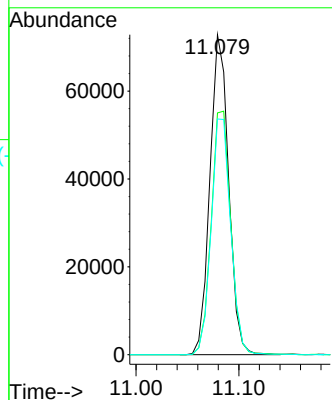
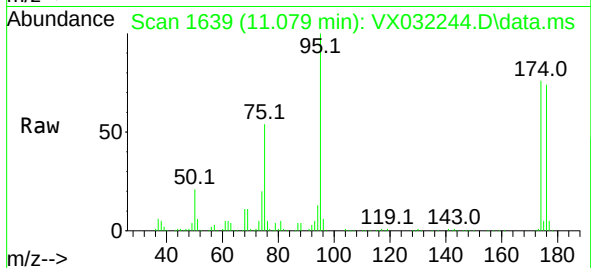




#62
4-Bromofluorobenzene
Concen: 48.107 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032244.D
Acq: 20 Oct 2022 06:05

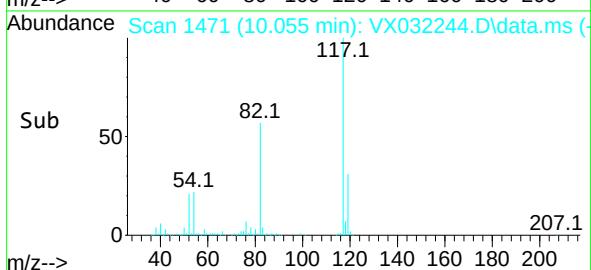
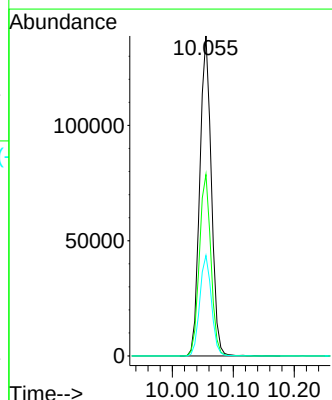
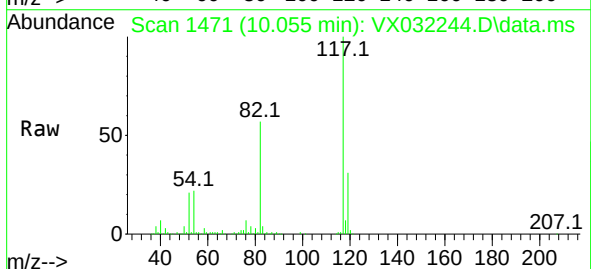
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#10

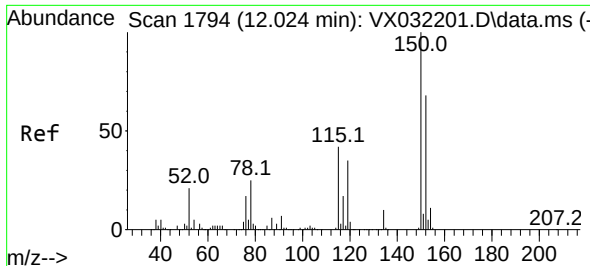
Tgt Ion: 95 Resp: 92018
Ion Ratio Lower Upper
95 100
174 79.4 0.0 166.8
176 77.0 0.0 161.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032244.D
Acq: 20 Oct 2022 06:05

Tgt Ion: 117 Resp: 182753
Ion Ratio Lower Upper
117 100
82 56.7 44.2 66.4
119 31.4 25.8 38.8

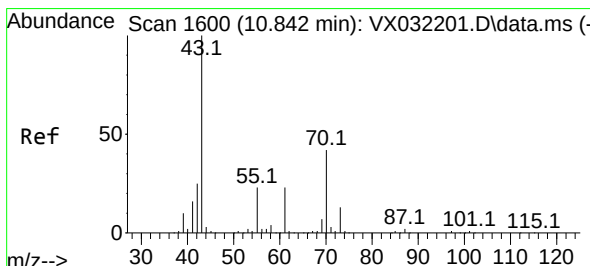
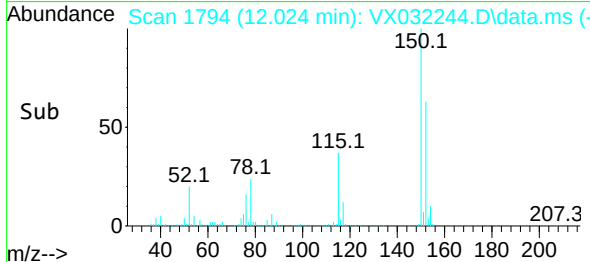
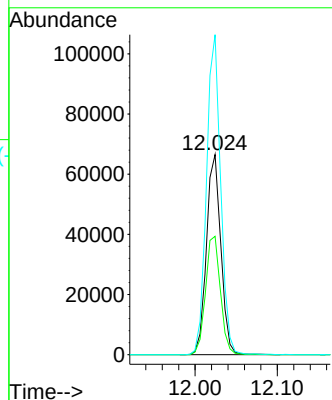
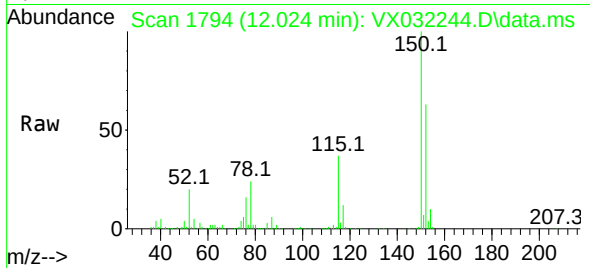




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032244.D
Acq: 20 Oct 2022 06:05

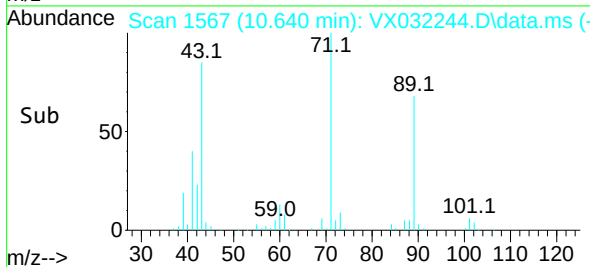
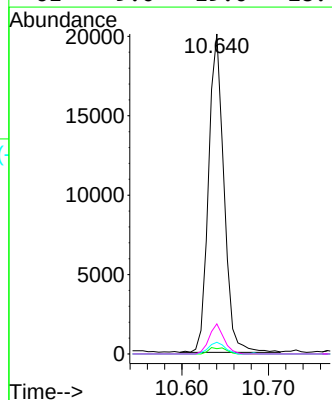
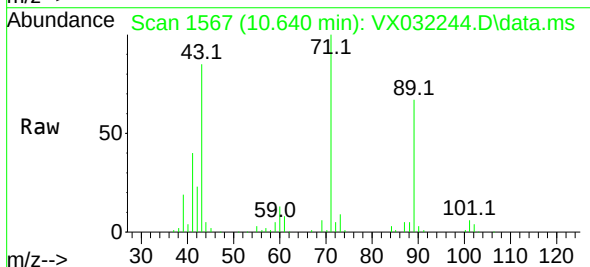
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#10

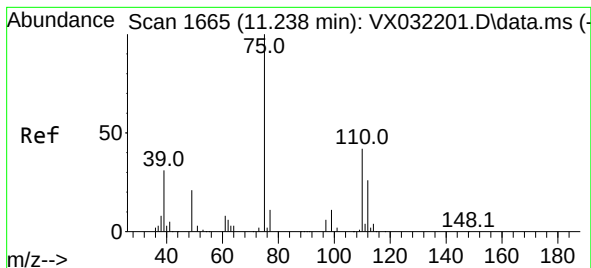
Tgt Ion:152 Resp: 80954
Ion Ratio Lower Upper
152 100
115 61.2 43.1 129.4
150 157.4 0.0 348.6



#74
N-ethyl acetate
Concen: 11.607 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.202 min
Lab File: VX032244.D
Acq: 20 Oct 2022 06:05

Tgt Ion: 43 Resp: 24769
Ion Ratio Lower Upper
43 100
70 2.2 33.9 50.9#
55 3.9 19.1 28.7#
61 9.0 19.0 28.4#





#76

1,2,3-Trichloropropane

Concen: 30.949 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX032244.D

Acq: 20 Oct 2022 06:05

Instrument :

MSVOA_X

ClientSampleId :

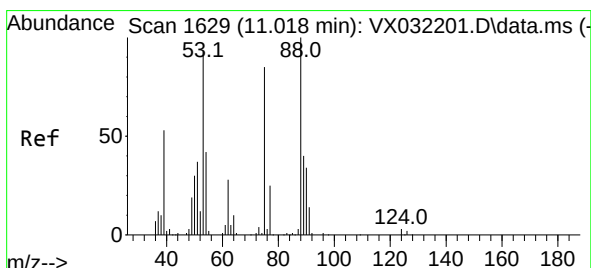
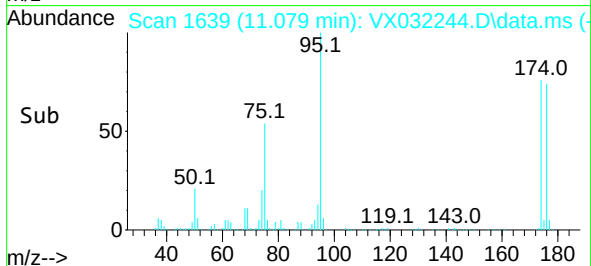
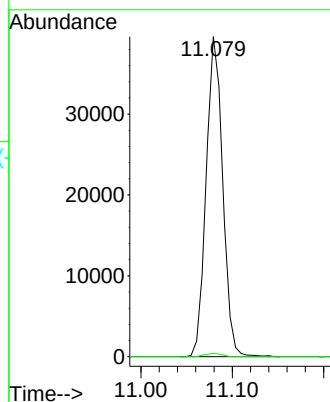
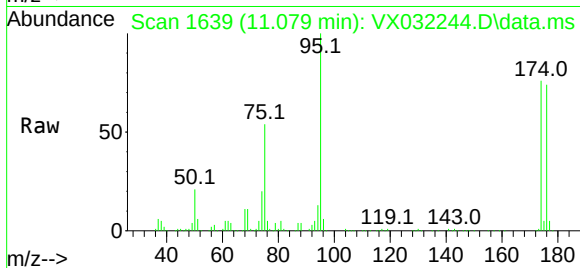
PB148361ZHE#10

Tgt Ion: 75 Resp: 49644

Ion Ratio Lower Upper

75 100

77 1.0 16.0 47.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 94.623 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX032244.D

Acq: 20 Oct 2022 06:05

Tgt Ion: 75 Resp: 49644

Ion Ratio Lower Upper

75 100

53 0.0 87.8 131.8#

89 0.0 37.8 56.8#

