

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101722\
 Data File : VX032182.D
 Acq On : 18 Oct 2022 02:20
 Operator : JC/MD
 Sample : PB148361ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB148361ZHE#01

Quant Time: Oct 18 04:36:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 04:18:35 2022
 Response via : Initial Calibration

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

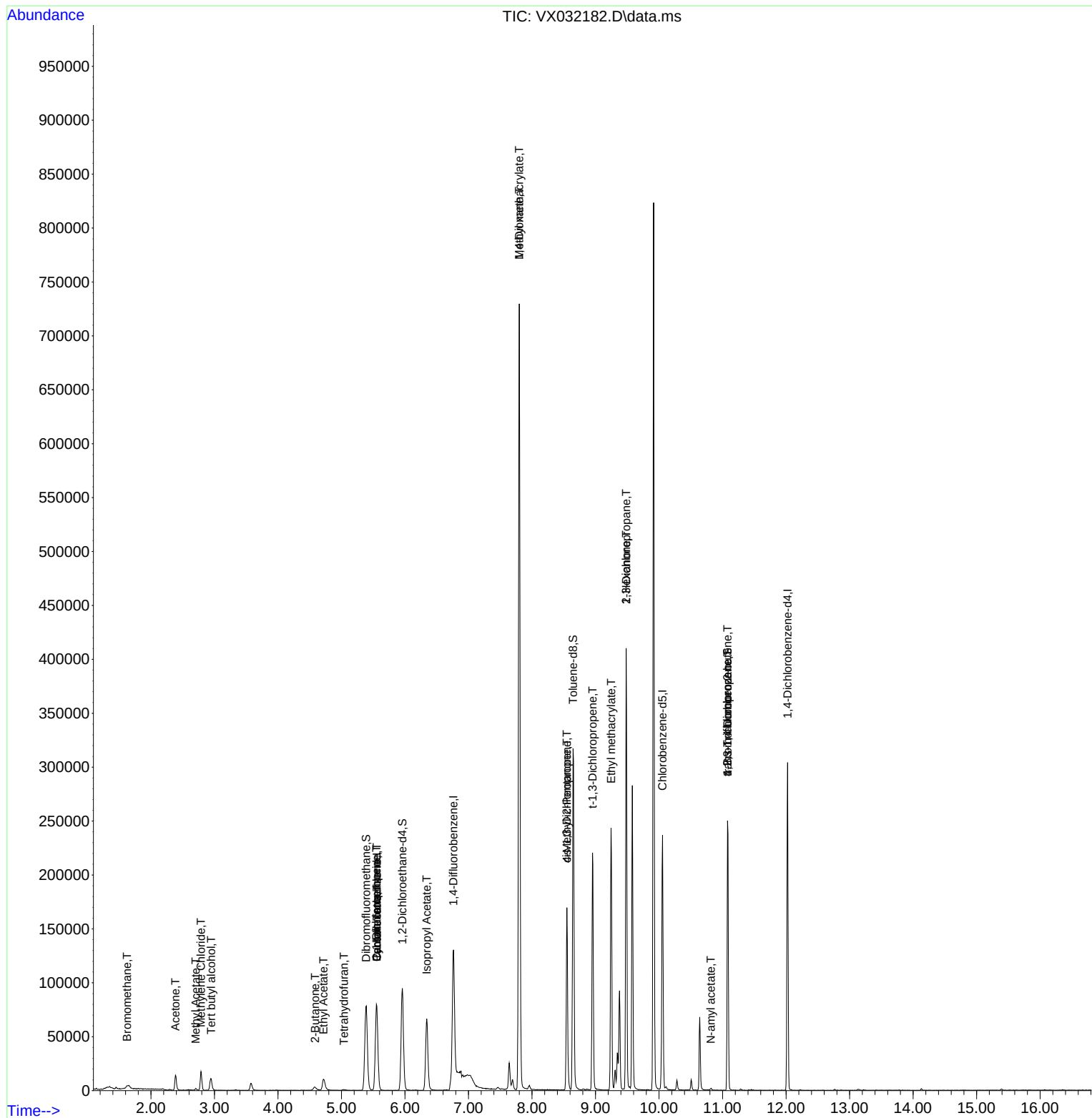
Internal Standards						
1) Pentafluorobenzene	5.556	168	70792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	115812	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	100983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	94882	84.153	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 168.300%#			
35) Dibromofluoromethane	5.385	113	66814	84.552	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 169.100%#			
50) Toluene-d8	8.647	98	188177	67.893	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 135.780%#			
62) 4-Bromofluorobenzene	11.079	95	66458	62.976	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 125.960%#			
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	205	0.330	ug/l	97
11) Tert butyl alcohol	2.946	59	6981	45.017	ug/l #	73
16) Acetone	2.386	43	17035	62.837	ug/l	96
18) Methyl Acetate	2.703	43	2138	1.936	ug/l	94
20) Methylene Chloride	2.788	84	7135	8.560	ug/l	96
25) 2-Butanone	4.586	43	2157	3.724	ug/l #	88
29) Tetrahydrofuran	5.038	42	353	1.016	ug/l #	60
31) Cyclohexane	5.556	56	1966	1.565	ug/l #	22
36) 1,1-Dichloropropene	5.550	75	6237	5.456	ug/l #	49
37) Ethyl Acetate	4.714	43	18979	16.543	ug/l #	94
38) Carbon Tetrachloride	5.556	117	7776	6.423	ug/l #	15
43) Isopropyl Acetate	6.342	43	90309	52.237	ug/l	99
48) Methyl methacrylate	7.799	41	61964	70.720	ug/l #	46
49) 1,4-Dioxane	7.799	88	87	4.843	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	55513	52.364	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	469	0.461	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	25530	21.378	ug/l #	59
56) Ethyl methacrylate	9.244	69	609	0.551	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3640	2.684	ug/l #	43
59) 2-Hexanone	9.482	43	45101	57.425	ug/l #	53
74) N-amyl acetate	10.817	43	577	0.365	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	35148	27.149	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35148	104.515	ug/l #	11

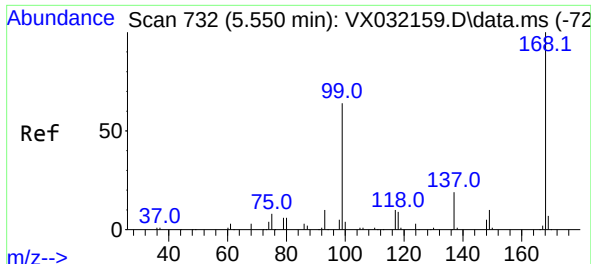
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101722\
Data File : VX032182.D
Acq On : 18 Oct 2022 02:20
Operator : JC/MD
Sample : PB148361ZHE#01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#01

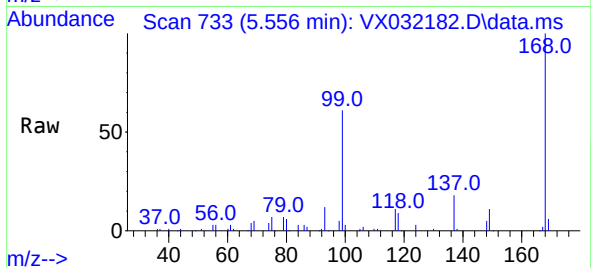
Quant Time: Oct 18 04:36:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101722W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 04:18:35 2022
Response via : Initial Calibration



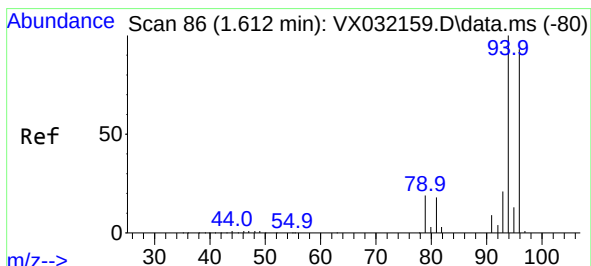
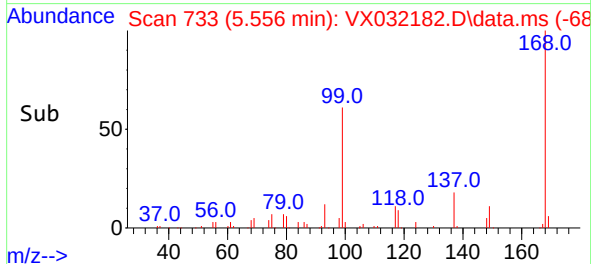
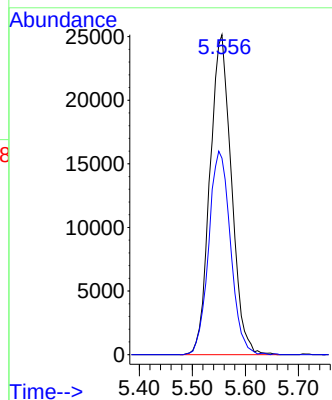


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX032182.D
Acq: 18 Oct 2022 02:20

Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#01

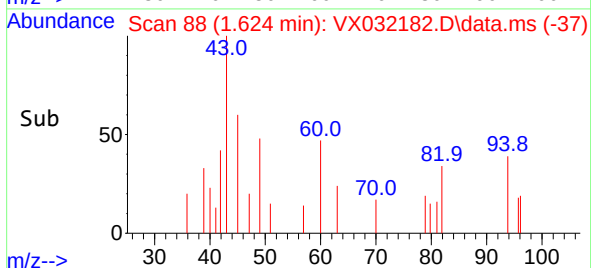
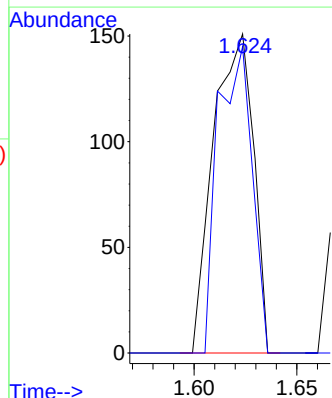
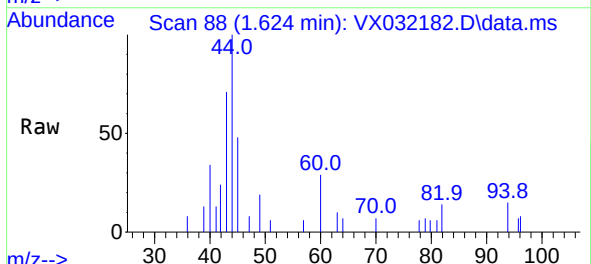


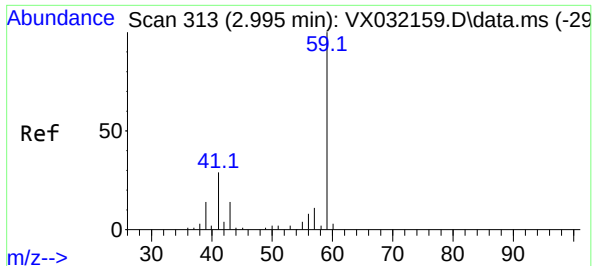
Tgt Ion:168 Resp: 70792
Ion Ratio Lower Upper
168 100
99 61.4 48.8 73.2



#5
Bromomethane
Concen: 0.330 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.012 min
Lab File: VX032182.D
Acq: 18 Oct 2022 02:20

Tgt Ion: 94 Resp: 205
Ion Ratio Lower Upper
94 100
96 96.0 74.4 111.6





#11

Tert butyl alcohol

Concen: 45.017 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.049 min

Lab File: VX032182.D

Acq: 18 Oct 2022 02:20

Instrument :

MSVOA_X

ClientSampleId :

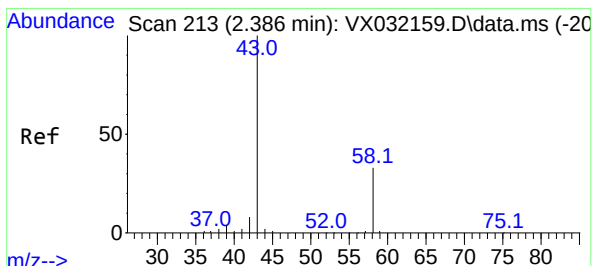
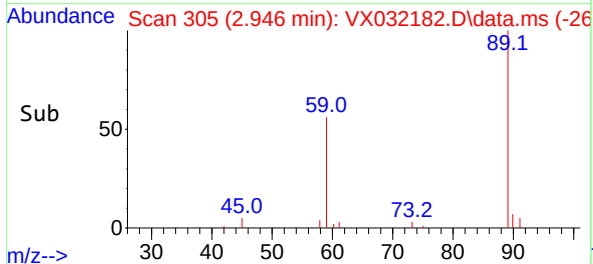
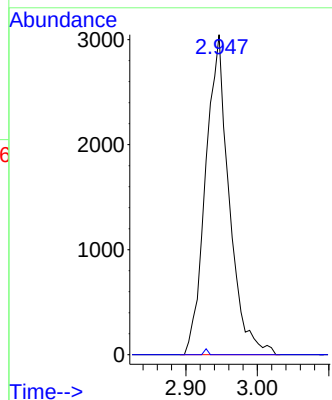
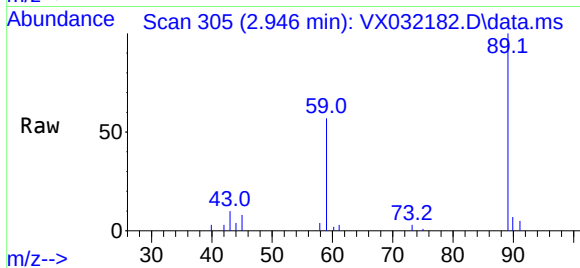
PB148361ZHE#01

Tgt Ion: 59 Resp: 6981

Ion Ratio Lower Upper

59 100

57 0.3 8.2 12.2#



#16

Acetone

Concen: 62.837 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX032182.D

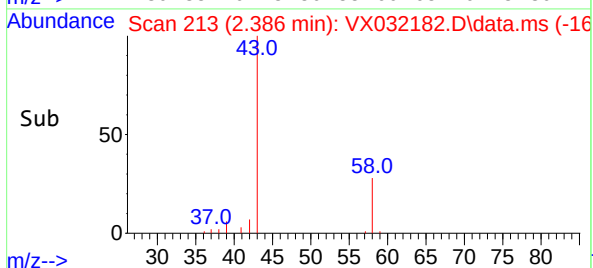
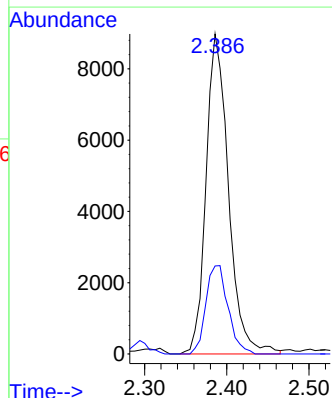
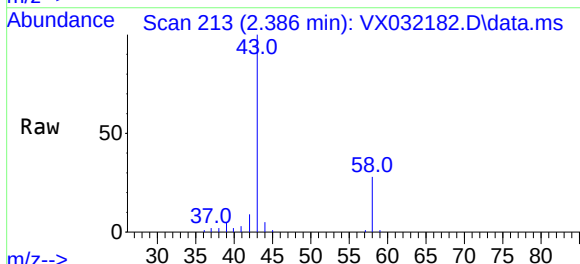
Acq: 18 Oct 2022 02:20

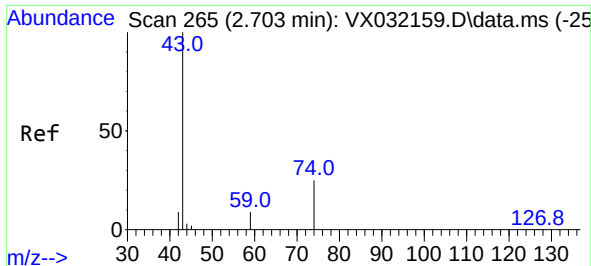
Tgt Ion: 43 Resp: 17035

Ion Ratio Lower Upper

43 100

58 27.5 23.8 35.8

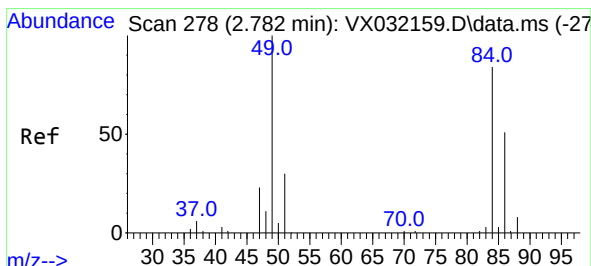
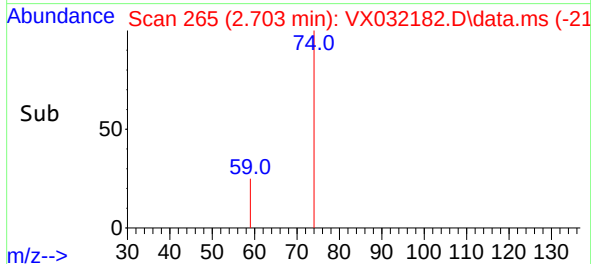
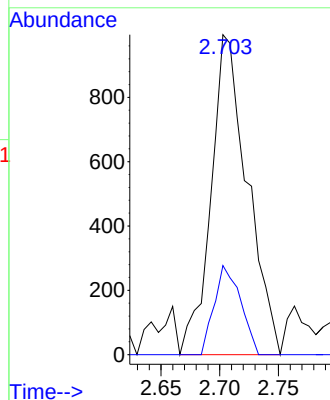
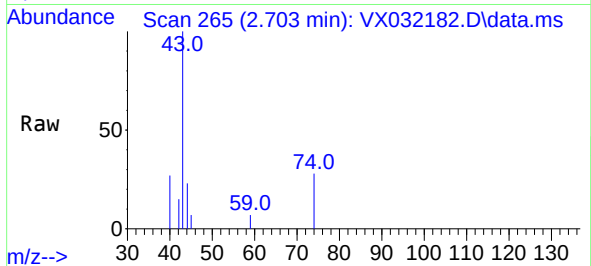




#18
Methyl Acetate
Concen: 1.936 ug/l
RT: 2.703 min Scan# 2138
Delta R.T. -0.000 min
Lab File: VX032182.D
Acq: 18 Oct 2022 02:20

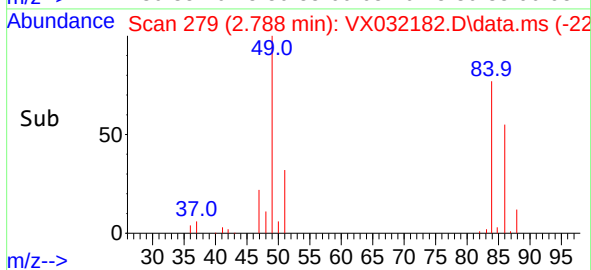
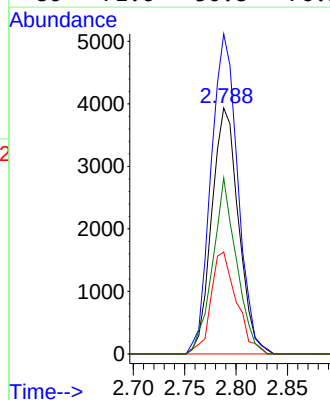
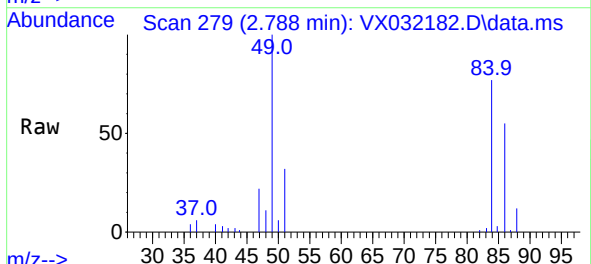
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#01

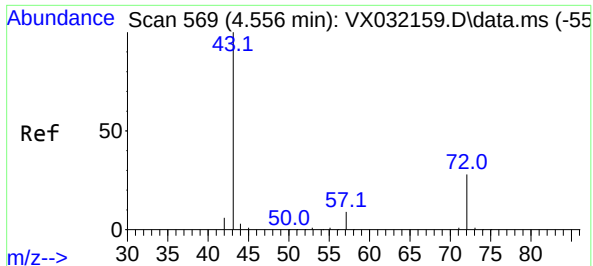
Tgt Ion: 43 Resp: 2138
Ion Ratio Lower Upper
43 100
74 20.2 18.6 27.8



#20
Methylene Chloride
Concen: 8.560 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX032182.D
Acq: 18 Oct 2022 02:20

Tgt Ion: 84 Resp: 7135
Ion Ratio Lower Upper
84 100
49 130.1 105.9 158.9
51 41.4 32.2 48.2
86 71.6 50.8 76.2





#25

2-Butanone

Concen: 3.724 ug/l

RT: 4.586 min Scan# 51

Delta R.T. 0.030 min

Lab File: VX032182.D

Acq: 18 Oct 2022 02:20

Instrument :

MSVOA_X

ClientSampleId :

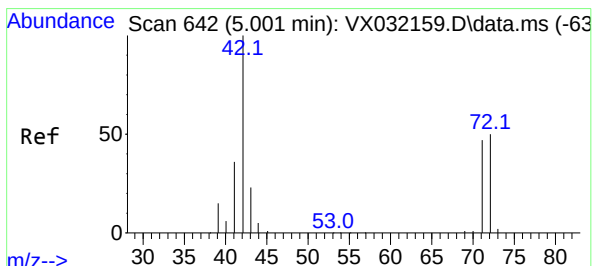
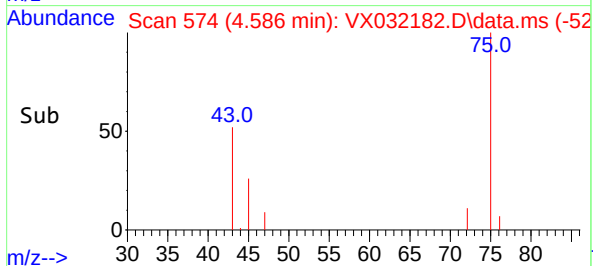
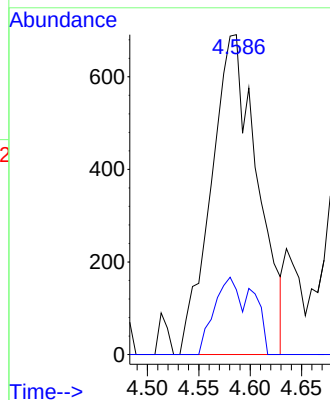
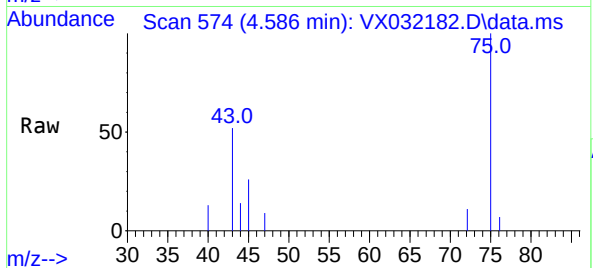
PB148361ZHE#01

Tgt Ion: 43 Resp: 2157

Ion Ratio Lower Upper

43 100

72 20.3 21.1 31.7#



#29

Tetrahydrofuran

Concen: 1.016 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.037 min

Lab File: VX032182.D

Acq: 18 Oct 2022 02:20

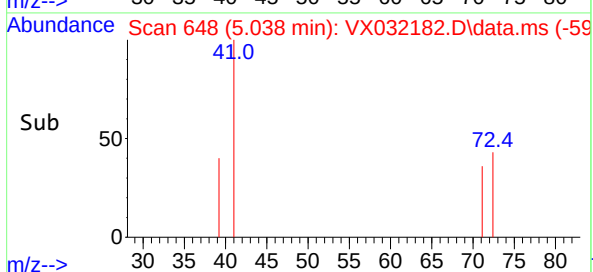
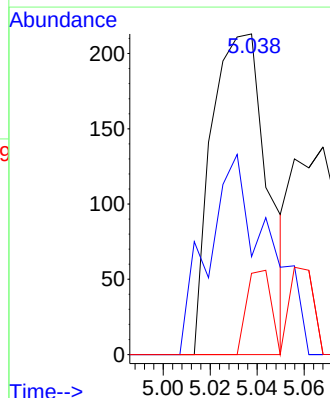
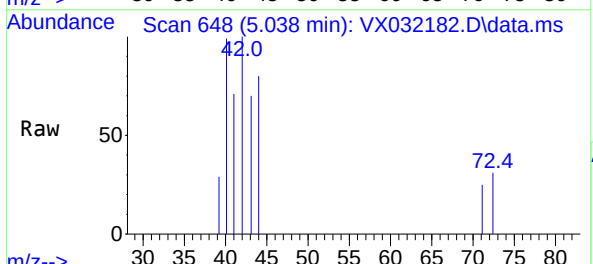
Tgt Ion: 42 Resp: 353

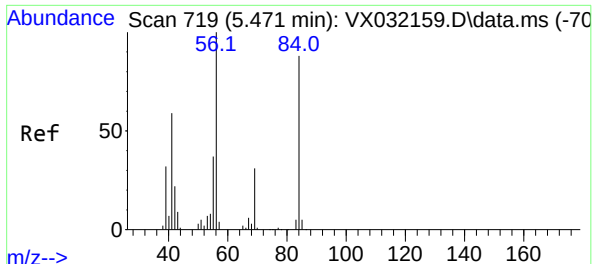
Ion Ratio Lower Upper

42 100

72 66.9 36.4 54.6#

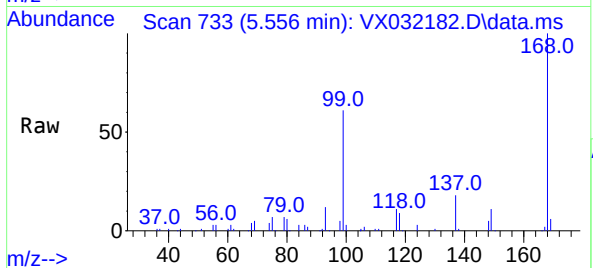
71 11.3 33.5 50.3#



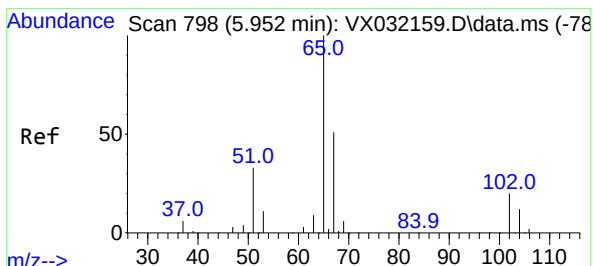
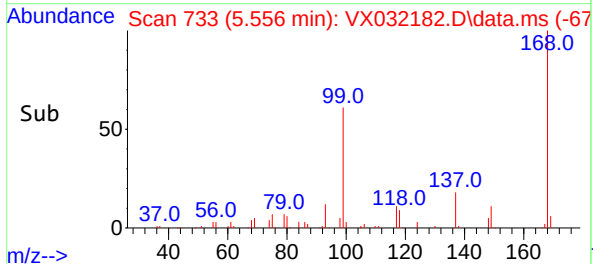
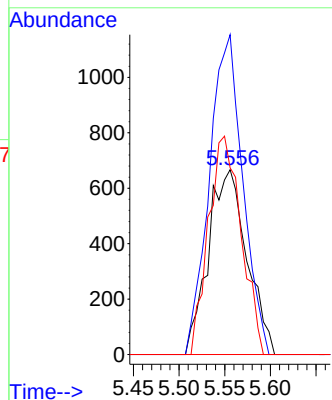


#31
Cyclohexane
Concen: 1.565 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX032182.D
Acq: 18 Oct 2022 02:20

Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#01

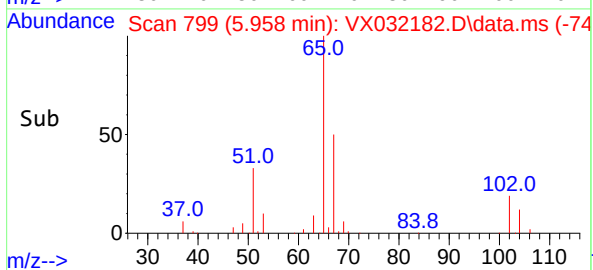
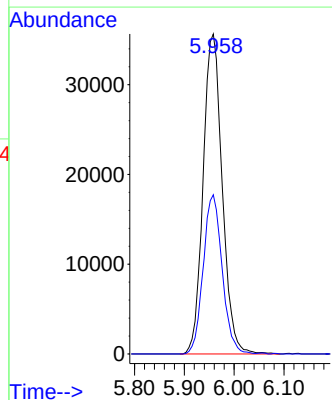
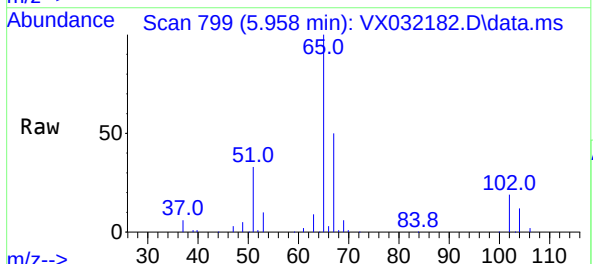


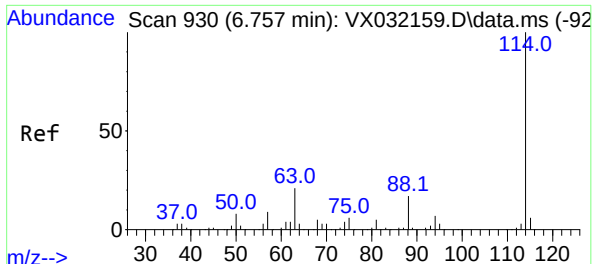
Tgt Ion: 56 Resp: 1966
Ion Ratio Lower Upper
56 100
69 173.0 25.1 37.7#
84 101.0 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 84.153 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX032182.D
Acq: 18 Oct 2022 02:20

Tgt Ion: 65 Resp: 94882
Ion Ratio Lower Upper
65 100
67 49.3 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX032182.D

Acq: 18 Oct 2022 02:20

Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#01

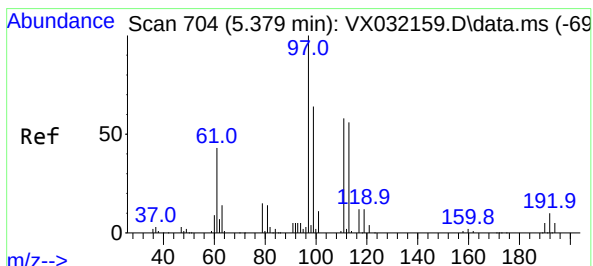
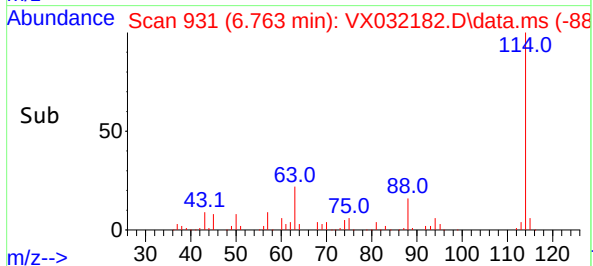
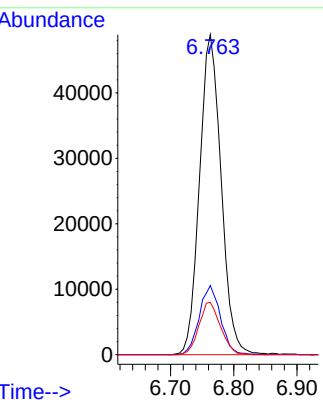
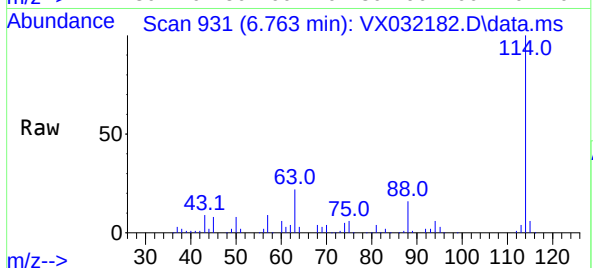
Tgt Ion:114 Resp: 115812

Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.6

88 16.4 0.0 33.0



#35

Dibromofluoromethane

Concen: 84.552 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX032182.D

Acq: 18 Oct 2022 02:20

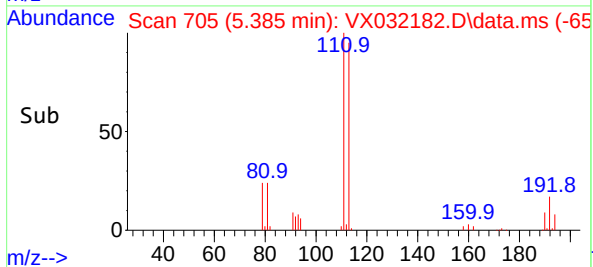
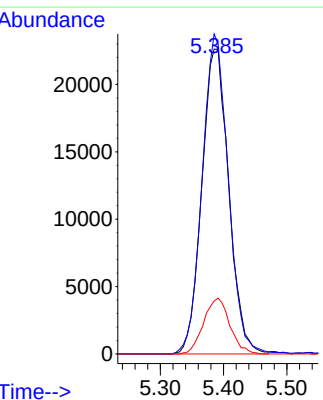
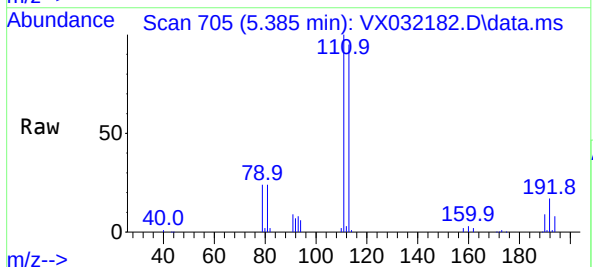
Tgt Ion:113 Resp: 66814

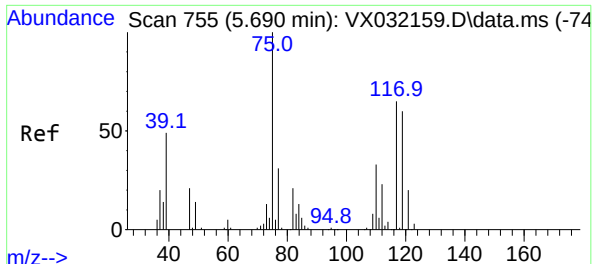
Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

192 17.7 14.1 21.1





#36

1,1-Dichloropropene

Concen: 5.456 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX032182.D

Acq: 18 Oct 2022 02:20

Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#01

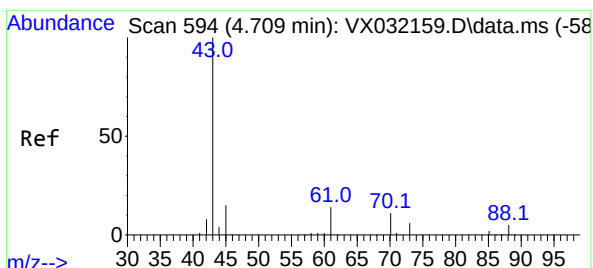
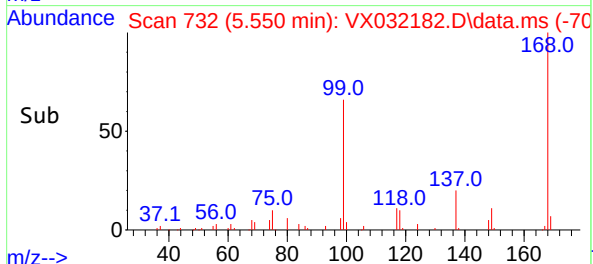
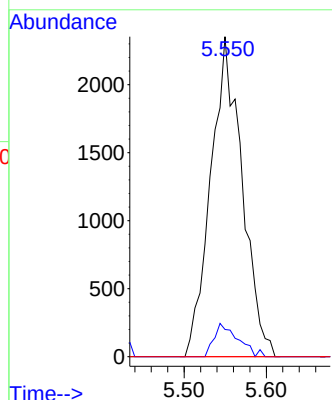
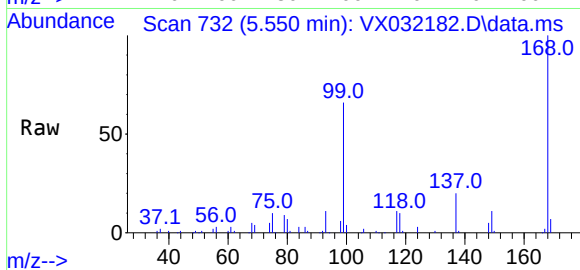
Tgt Ion: 75 Resp: 6237

Ion Ratio Lower Upper

75 100

110 7.9 17.5 52.5#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 16.543 ug/l

RT: 4.714 min Scan# 595

Delta R.T. 0.005 min

Lab File: VX032182.D

Acq: 18 Oct 2022 02:20

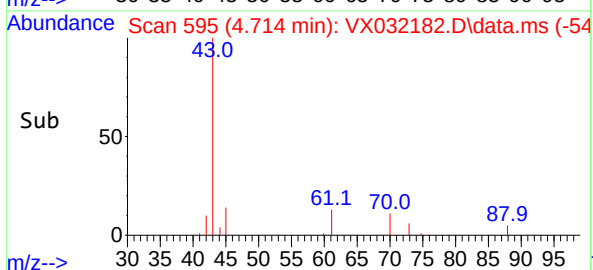
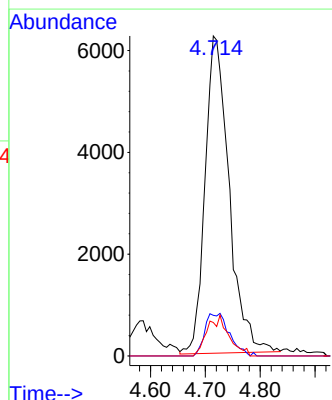
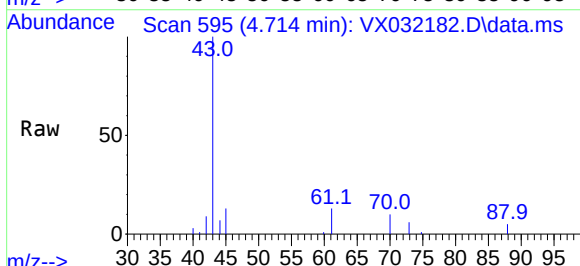
Tgt Ion: 43 Resp: 18979

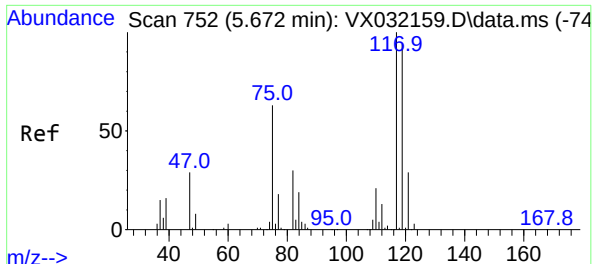
Ion Ratio Lower Upper

43 100

61 13.6 11.1 16.7

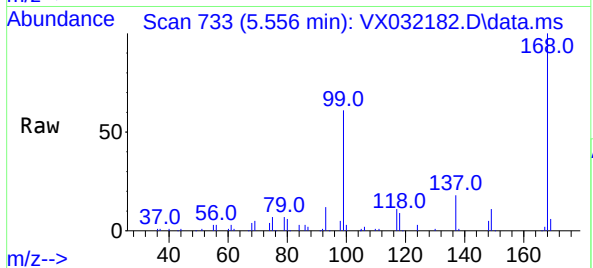
70 5.7 8.6 13.0#



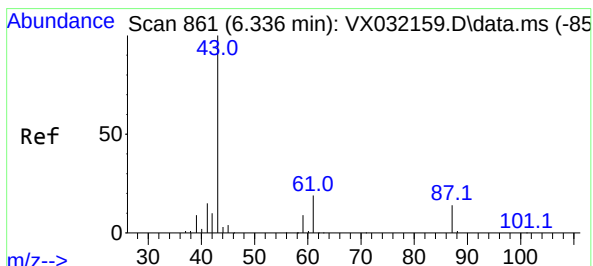
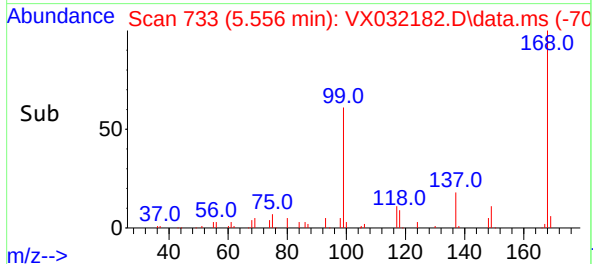
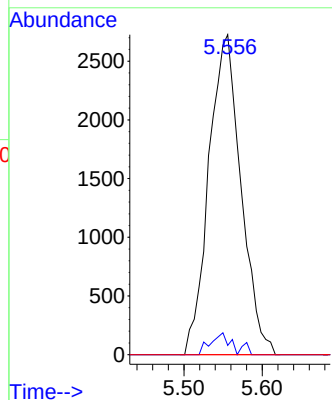


#38
Carbon Tetrachloride
Concen: 6.423 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX032182.D
Acq: 18 Oct 2022 02:20

Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#01

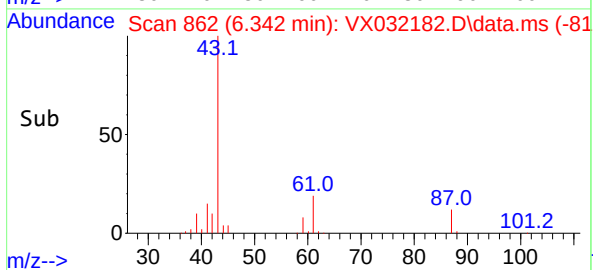
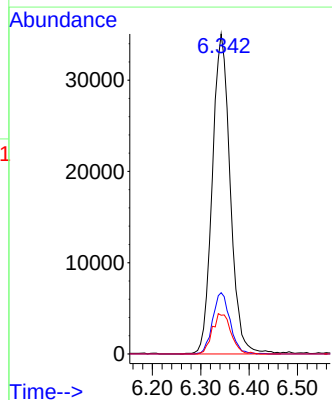
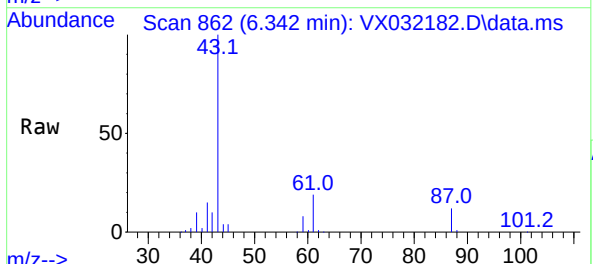


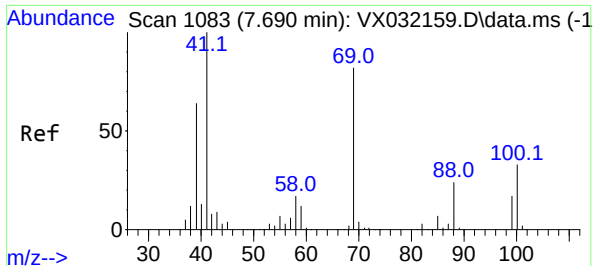
Tgt Ion:117 Resp: 7776
Ion Ratio Lower Upper
117 100
119 2.9 74.6 112.0#
121 0.0 25.3 37.9#



#43
Isopropyl Acetate
Concen: 52.237 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX032182.D
Acq: 18 Oct 2022 02:20

Tgt Ion: 43 Resp: 90309
Ion Ratio Lower Upper
43 100
61 18.5 15.3 22.9
87 13.0 10.6 15.8

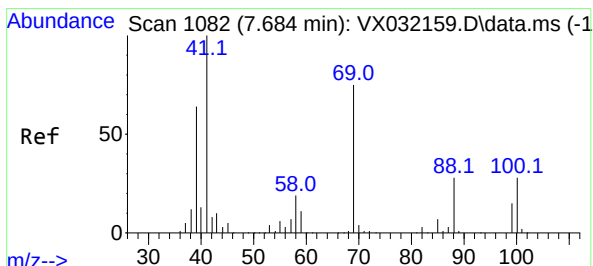
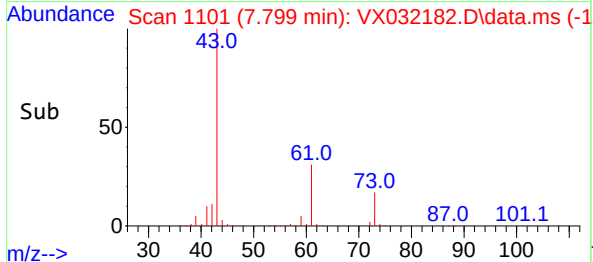
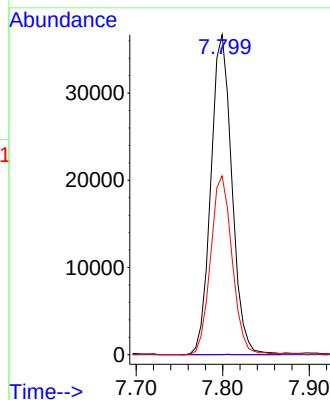
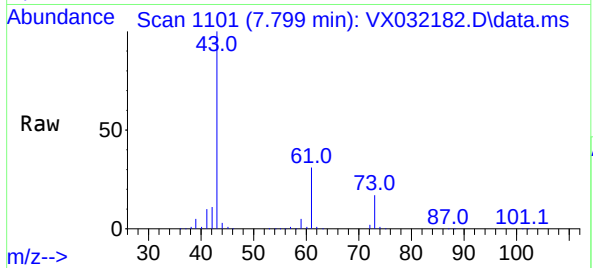




#48
Methyl methacrylate
Concen: 70.720 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX032182.D
Acq: 18 Oct 2022 02:20

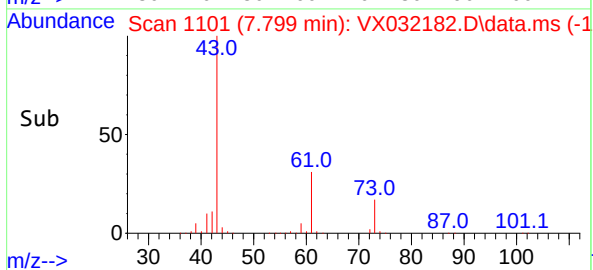
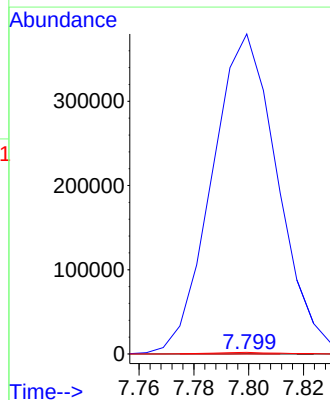
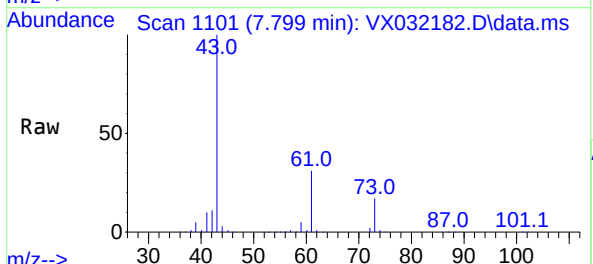
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#01

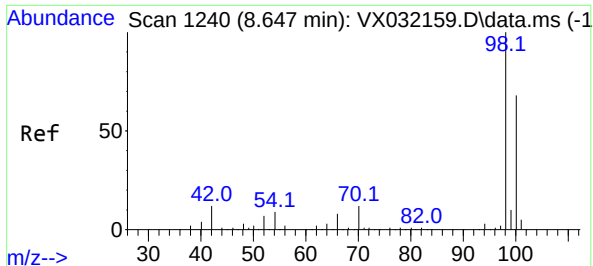
Tgt Ion: 41 Resp: 61964
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 57.6 51.4 77.0



#49
1,4-Dioxane
Concen: 4.843 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.115 min
Lab File: VX032182.D
Acq: 18 Oct 2022 02:20

Tgt Ion: 88 Resp: 87
Ion Ratio Lower Upper
88 100
43 734550.6 27.1 40.7#
58 3364.4 53.9 80.9#





#50

Toluene-d8

Concen: 67.893 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX032182.D

Acq: 18 Oct 2022 02:20

Instrument :

MSVOA_X

ClientSampleId :

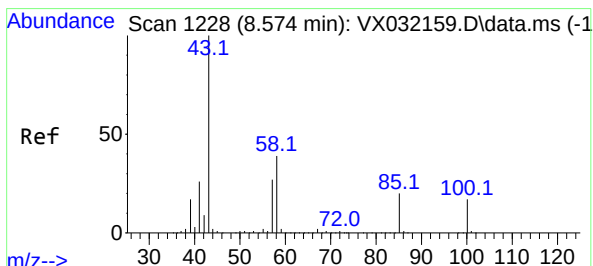
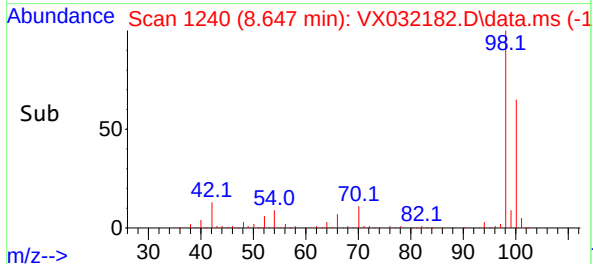
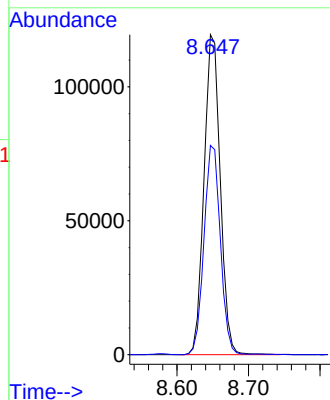
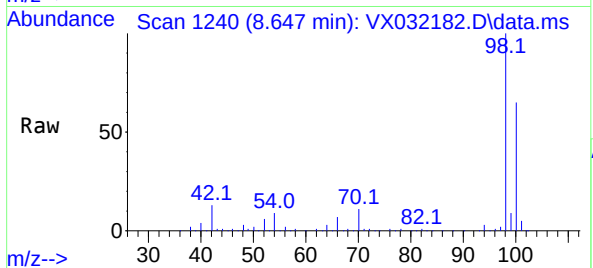
PB148361ZHE#01

Tgt Ion: 98 Resp: 188177

Ion Ratio Lower Upper

98 100

100 66.0 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 52.364 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.025 min

Lab File: VX032182.D

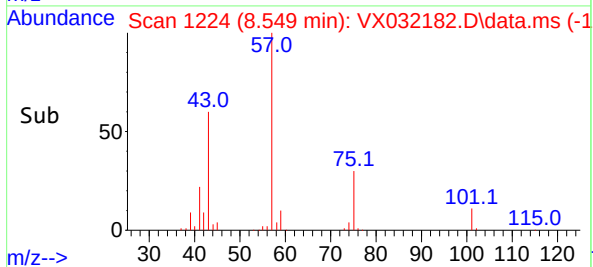
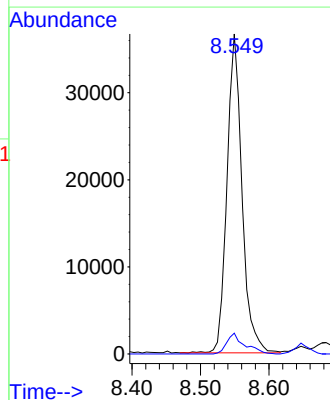
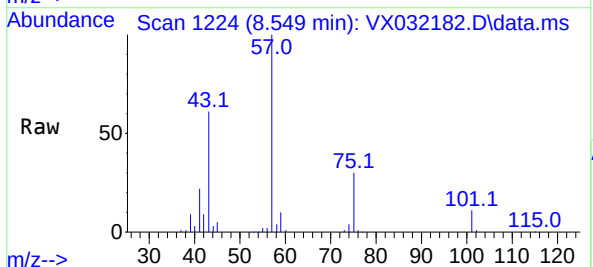
Acq: 18 Oct 2022 02:20

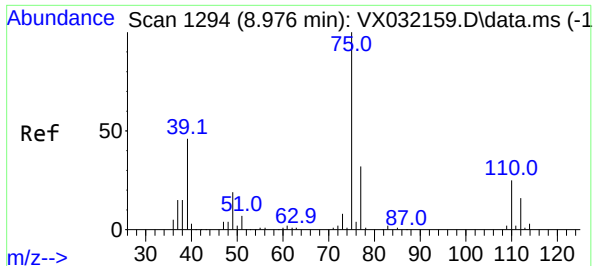
Tgt Ion: 43 Resp: 55513

Ion Ratio Lower Upper

43 100

58 7.7 30.6 46.0#





#53

t-1,3-Dichloropropene

Concen: 0.461 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX032182.D

Acq: 18 Oct 2022 02:20

Instrument :

MSVOA_X

ClientSampleId :

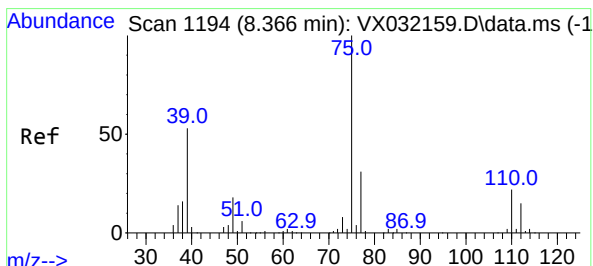
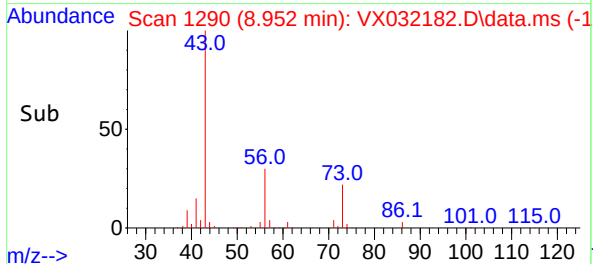
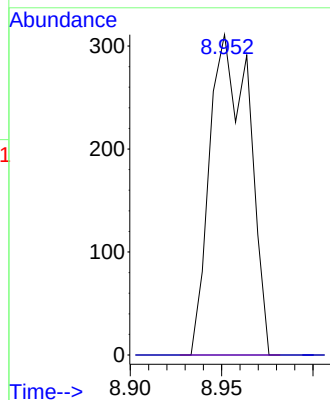
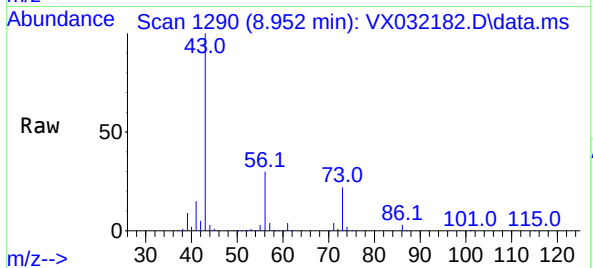
PB148361ZHE#01

Tgt Ion: 75 Resp: 469

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#



#54

cis-1,3-Dichloropropene

Concen: 21.378 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX032182.D

Acq: 18 Oct 2022 02:20

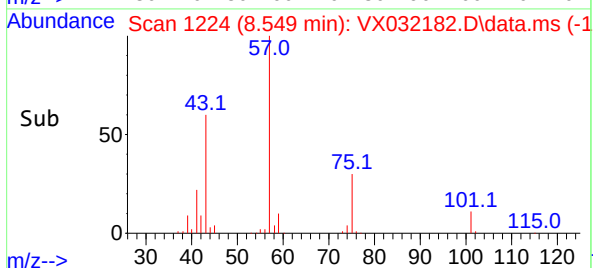
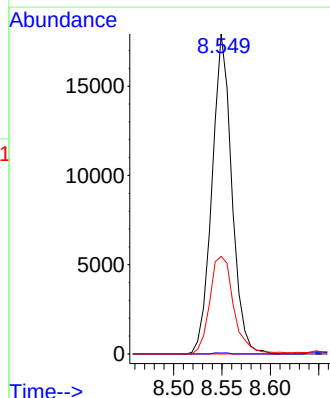
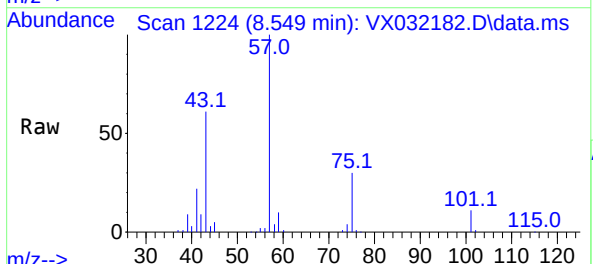
Tgt Ion: 75 Resp: 25530

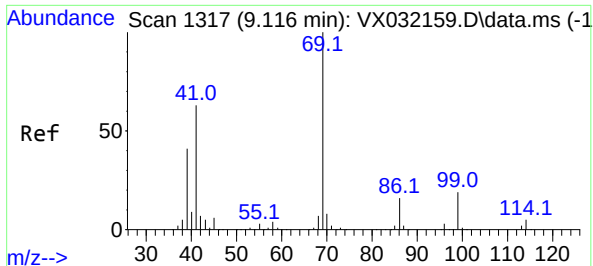
Ion Ratio Lower Upper

75 100

77 0.3 24.4 36.6#

39 30.5 43.7 65.5#





#56

Ethyl methacrylate

Concen: 0.551 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.128 min

Lab File: VX032182.D

Acq: 18 Oct 2022 02:20

Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#01

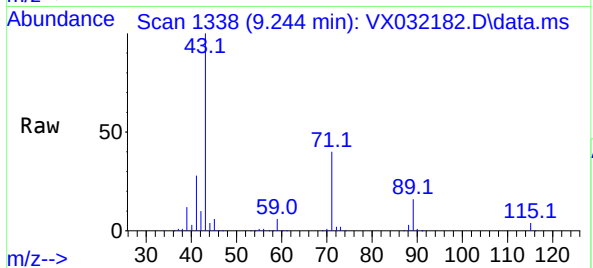
Tgt Ion: 69 Resp: 609

Ion Ratio Lower Upper

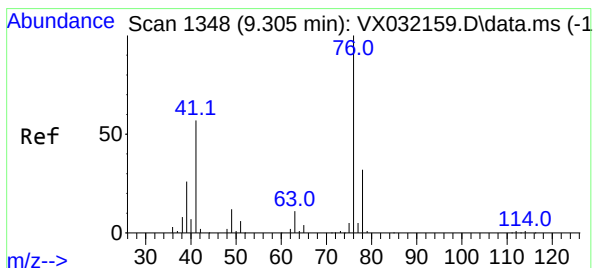
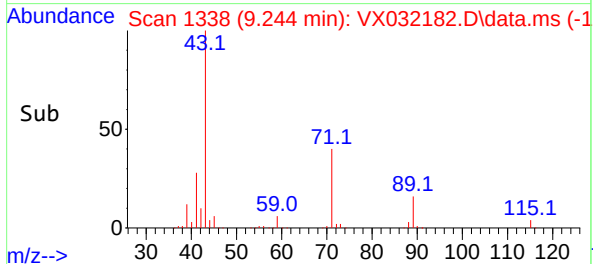
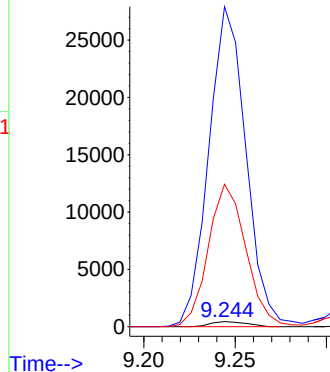
69 100

41 6507.4 54.2 81.4#

39 2930.0 34.2 51.2#



Abundance



#57

1,3-Dichloropropane

Concen: 2.684 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX032182.D

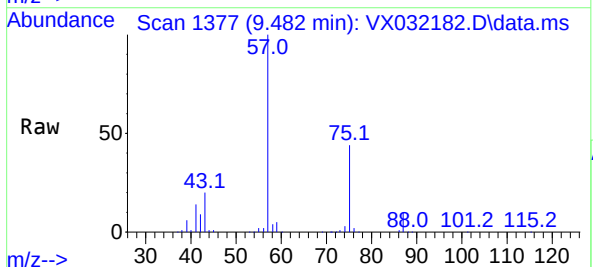
Acq: 18 Oct 2022 02:20

Tgt Ion: 76 Resp: 3640

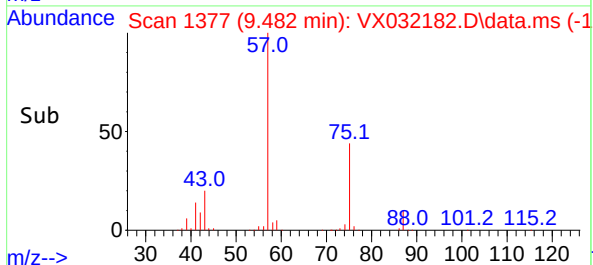
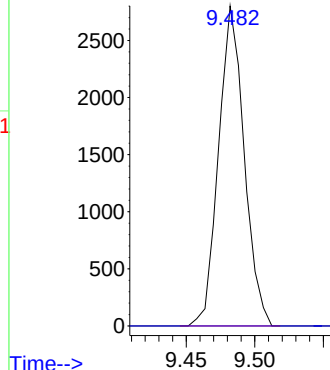
Ion Ratio Lower Upper

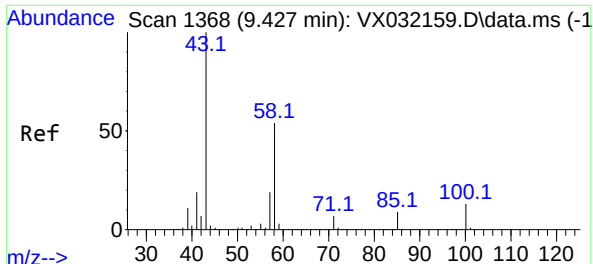
76 100

78 0.0 25.5 38.3#



Abundance





#59

2-Hexanone

Concen: 57.425 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.055 min

Lab File: VX032182.D

Acq: 18 Oct 2022 02:20

Instrument :

MSVOA_X

ClientSampleId :

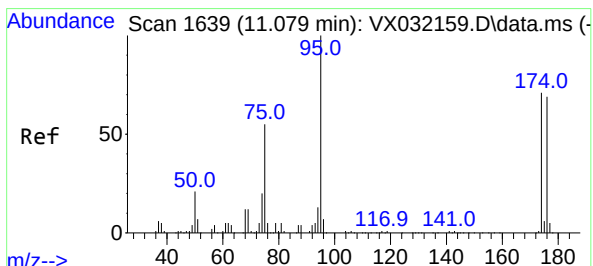
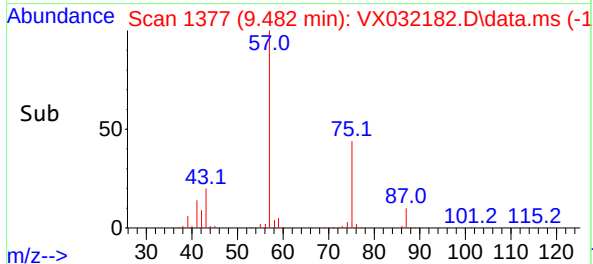
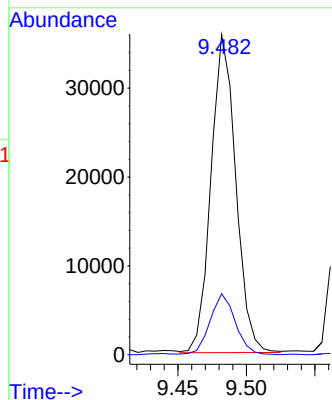
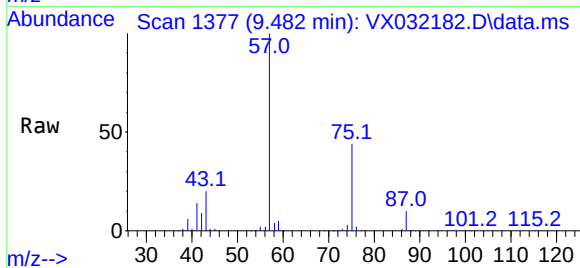
PB148361ZHE#01

Tgt Ion: 43 Resp: 45101

Ion Ratio Lower Upper

43 100

58 19.5 26.7 80.0#



#62

4-Bromofluorobenzene

Concen: 62.976 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032182.D

Acq: 18 Oct 2022 02:20

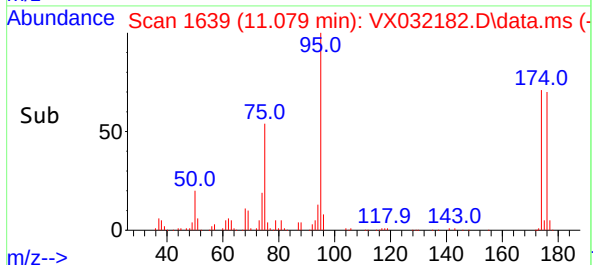
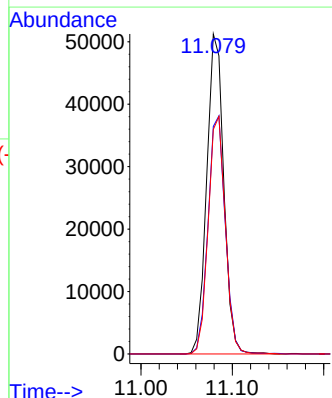
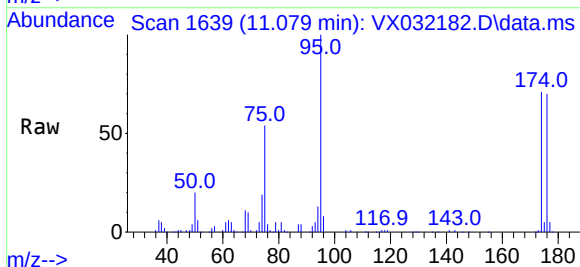
Tgt Ion: 95 Resp: 66458

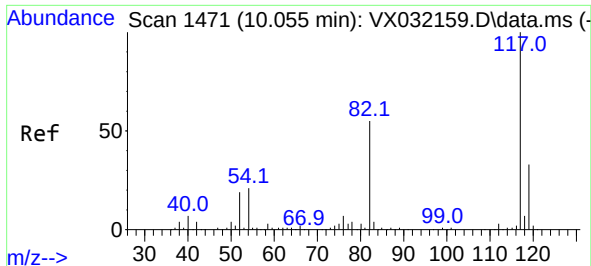
Ion Ratio Lower Upper

95 100

174 75.5 0.0 153.2

176 74.4 0.0 144.0

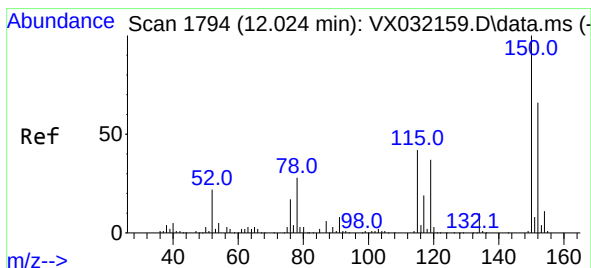
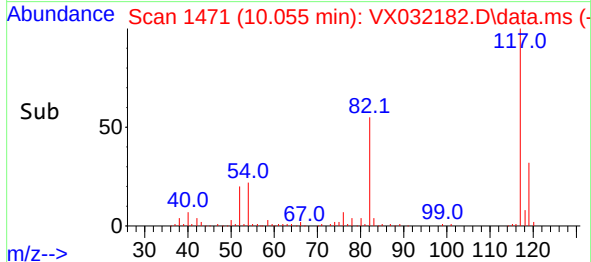
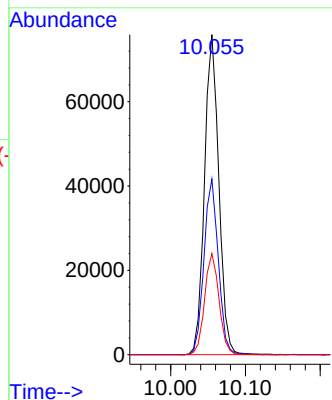
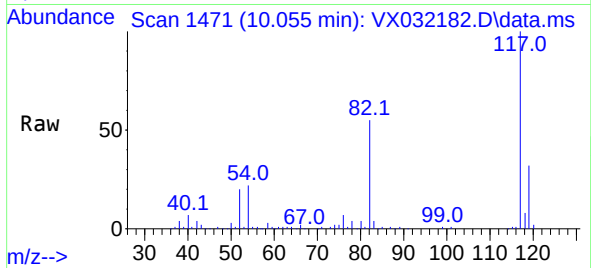




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032182.D
Acq: 18 Oct 2022 02:20

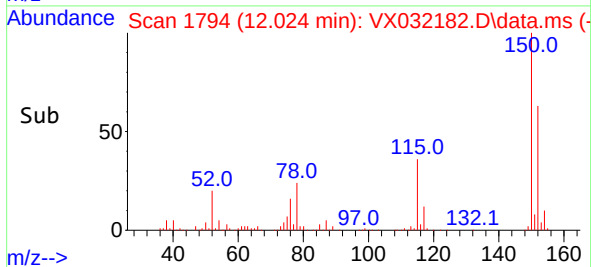
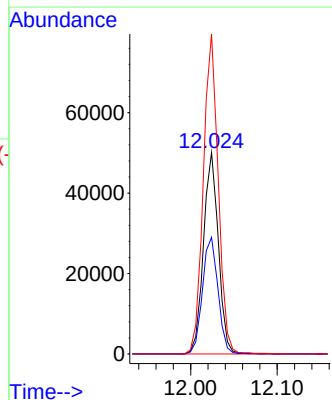
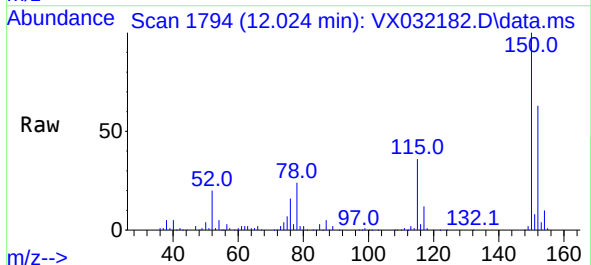
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#01

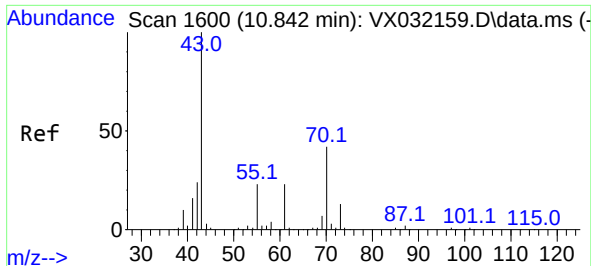
Tgt Ion:117 Resp: 100983
Ion Ratio Lower Upper
117 100
82 54.9 46.8 70.2
119 31.6 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032182.D
Acq: 18 Oct 2022 02:20

Tgt Ion:152 Resp: 59708
Ion Ratio Lower Upper
152 100
115 60.4 43.4 130.1
150 159.6 0.0 346.8

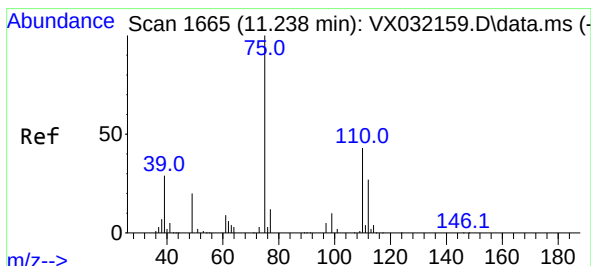
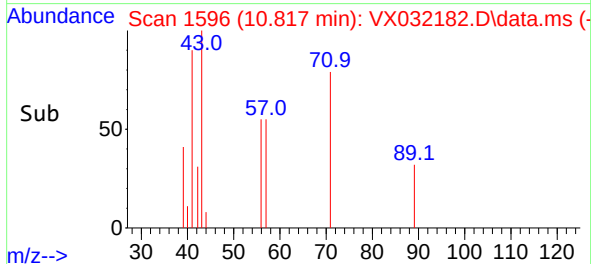
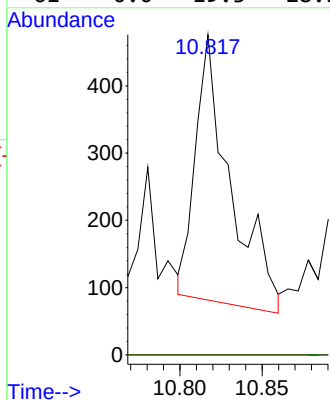
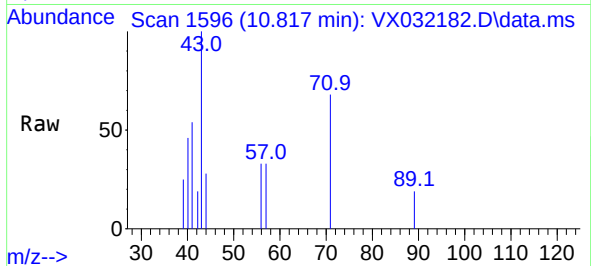




#74
N-amy1 acetate
Concen: 0.365 ug/l
RT: 10.817 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX032182.D
Acq: 18 Oct 2022 02:20

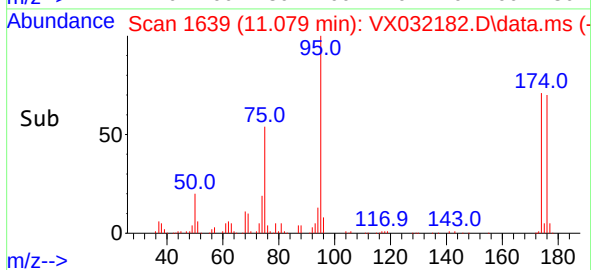
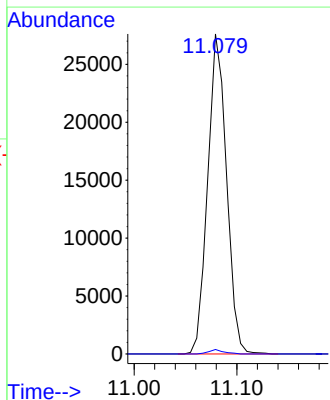
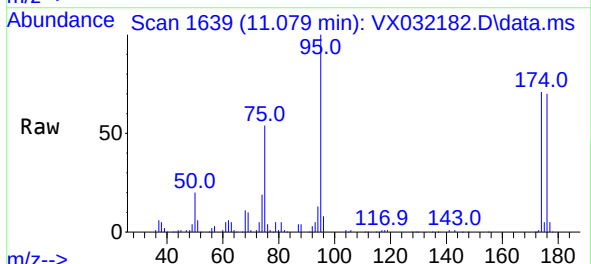
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#01

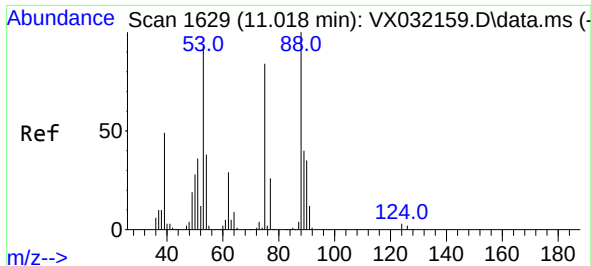
Tgt Ion:	43	Resp:	577
Ion	Ratio	Lower	Upper
43	100		
70	0.0	33.4	50.2#
55	0.0	18.2	27.2#
61	0.0	19.3	28.9#



#76
1,2,3-Trichloropropane
Concen: 27.149 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032182.D
Acq: 18 Oct 2022 02:20

Tgt Ion:	75	Resp:	35148
Ion	Ratio	Lower	Upper
75	100		
77	1.1	20.3	60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.515 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX032182.D
 Acq: 18 Oct 2022 02:20

Instrument :
 MSVOA_X
 ClientSampleId :
 PB148361ZHE#01

Tgt Ion: 75 Resp: 35148
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

