

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032247.D
 Acq On : 20 Oct 2022 07:14
 Operator : JC/MD
 Sample : PB148361ZHE#13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB148361ZHE#13

Quant Time: Oct 20 13:13:46 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)

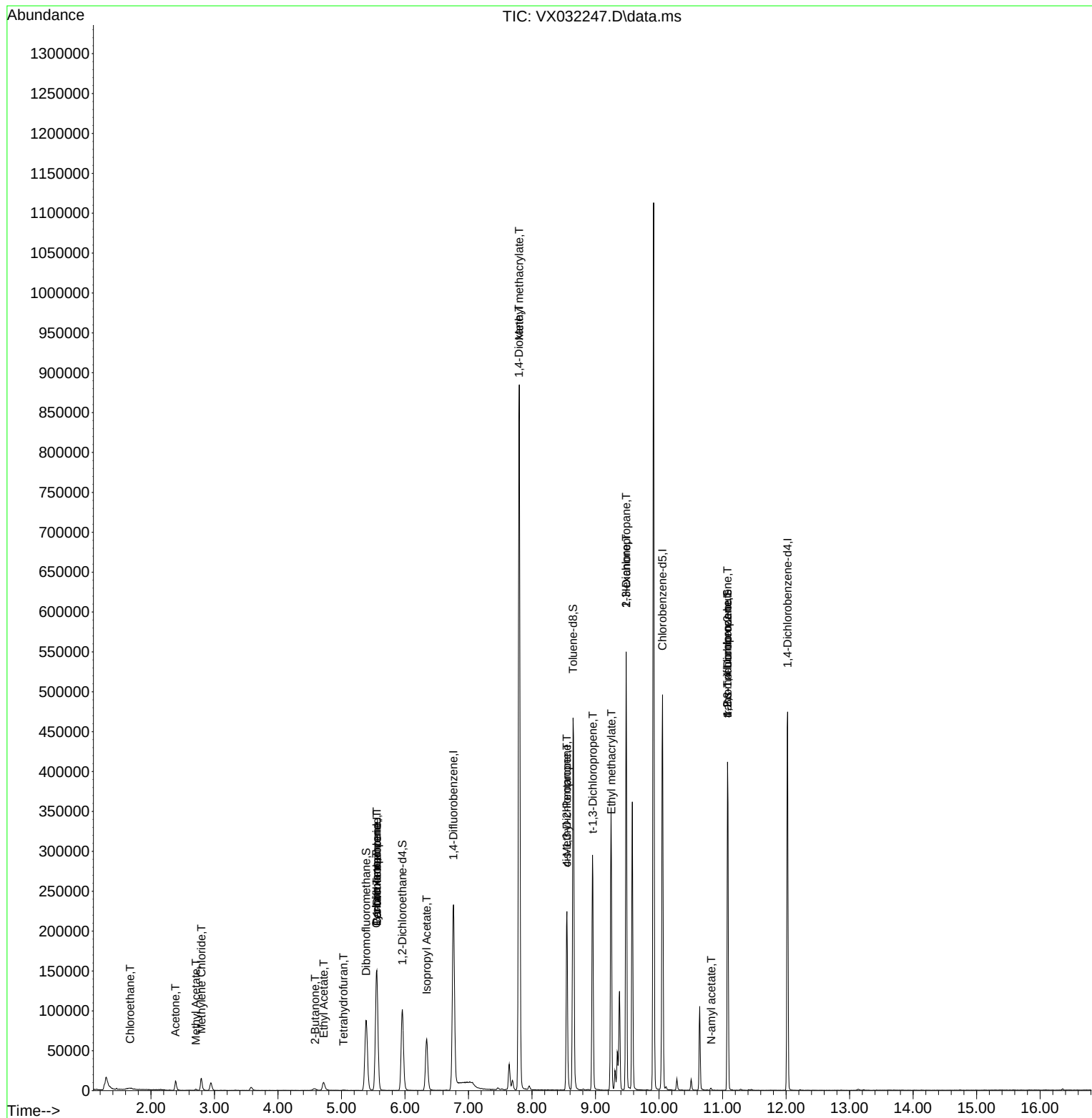
Internal Standards						
1) Pentafluorobenzene	5.556	168	139113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	229826	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210231	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	102154	56.447	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.900%			
35) Dibromofluoromethane	5.385	113	76793	48.017	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.040%			
50) Toluene-d8	8.647	98	280559	48.734	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.460%			
62) 4-Bromofluorobenzene	11.079	95	103395	49.047	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.100%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	766	Below Cal	#	44
6) Chloroethane	1.672	64	49	1.987	ug/l #	41
11) Tert butyl alcohol	2.940	59	5577	Below Cal	#	75
16) Acetone	2.386	43	13794	23.488	ug/l	94
18) Methyl Acetate	2.709	43	2067	1.037	ug/l #	85
20) Methylene Chloride	2.794	84	7440	4.934	ug/l	94
25) 2-Butanone	4.586	43	2117	2.309	ug/l	92
29) Tetrahydrofuran	5.032	42	560	0.946	ug/l #	44
31) Cyclohexane	5.550	56	3126	1.511	ug/l #	24
36) 1,1-Dichloropropene	5.556	75	11081	5.386	ug/l #	49
37) Ethyl Acetate	4.721	43	18540	9.204	ug/l	98
38) Carbon Tetrachloride	5.556	117	14892	6.857	ug/l #	16
43) Isopropyl Acetate	6.342	43	88288	27.927	ug/l	99
48) Methyl methacrylate	7.799	41	81707	51.823	ug/l #	42
49) 1,4-Dioxane	7.793	88	94	2.971	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	77280	38.996	ug/l #	49
53) t-1,3-Dichloropropene	8.958	75	623	2.076	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	34394	14.894	ug/l #	62
56) Ethyl methacrylate	9.250	69	713	0.316	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4211	1.657	ug/l #	42
59) 2-Hexanone	9.482	43	64134	43.372	ug/l #	50
74) N-amyl acetate	10.823	43	883	0.346	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	55672	29.022	ug/l #	44
81) trans-1,4-Dichloro-2-b...	11.079	75	55672	88.904	ug/l #	6

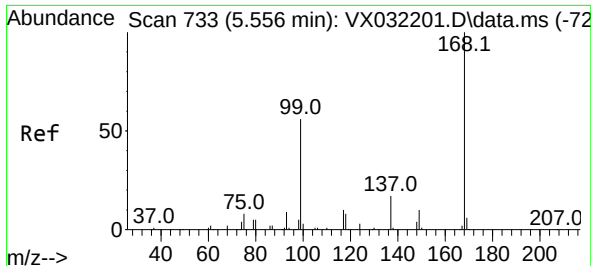
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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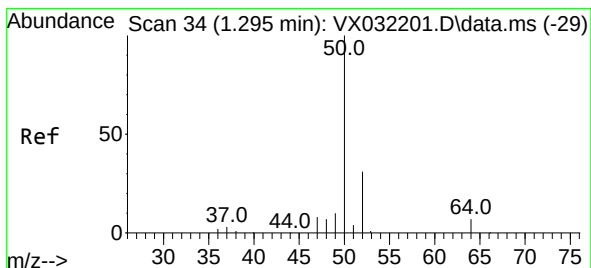
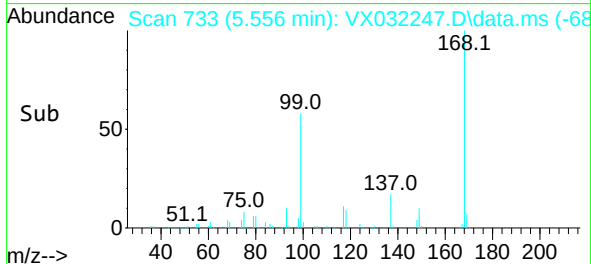
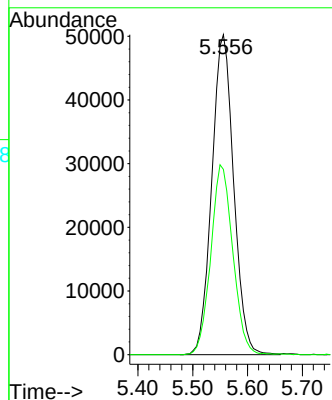
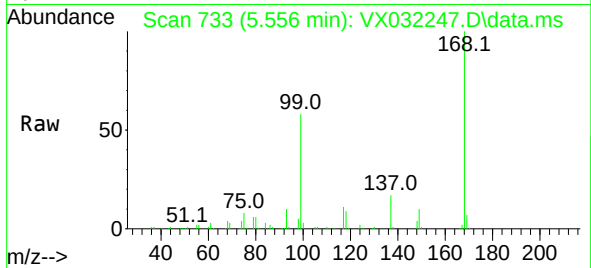




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032247.D
Acq: 20 Oct 2022 07:14

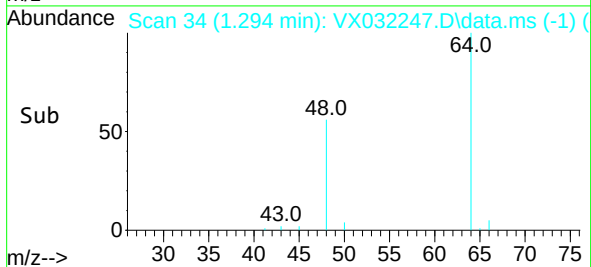
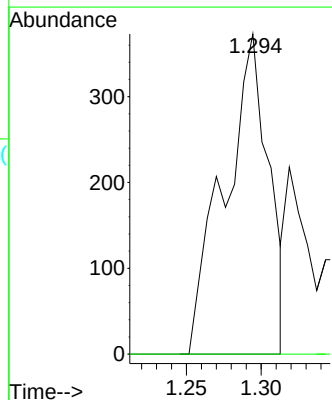
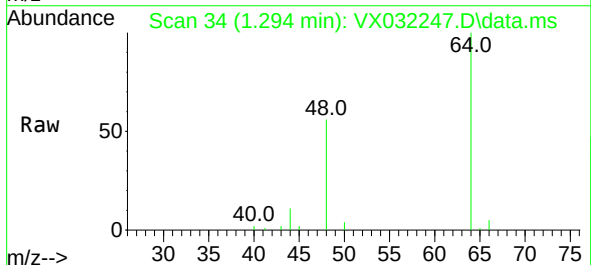
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#13

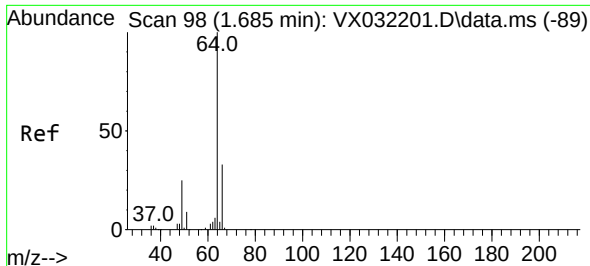
Tgt Ion:168 Resp: 139113
Ion Ratio Lower Upper
168 100
99 57.9 44.8 67.2



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX032247.D
Acq: 20 Oct 2022 07:14

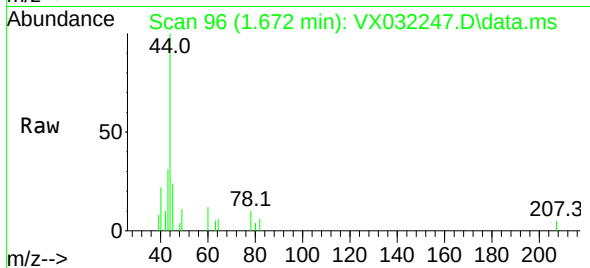
Tgt Ion: 50 Resp: 766
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#



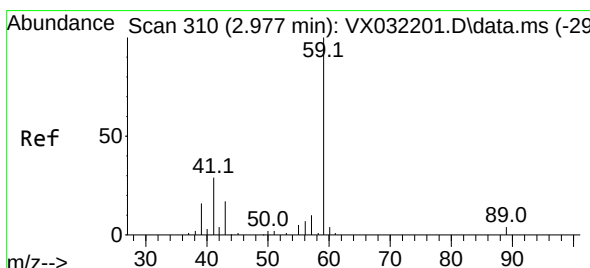
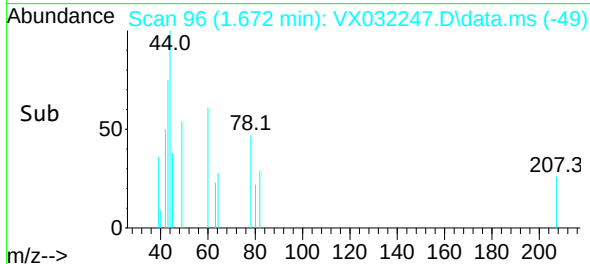
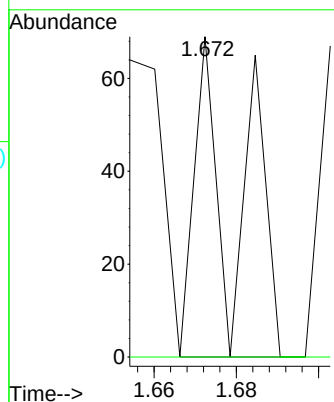


#6
Chloroethane
Concen: 1.987 ug/l
RT: 1.672 min Scan# 90
Delta R.T. -0.013 min
Lab File: VX032247.D
Acq: 20 Oct 2022 07:14

Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#13

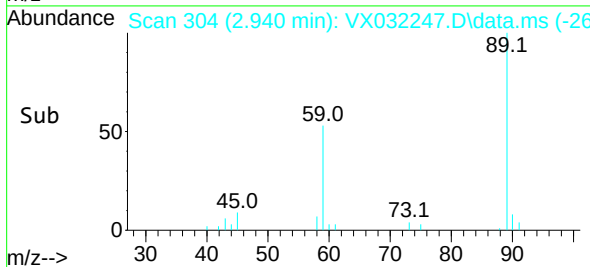
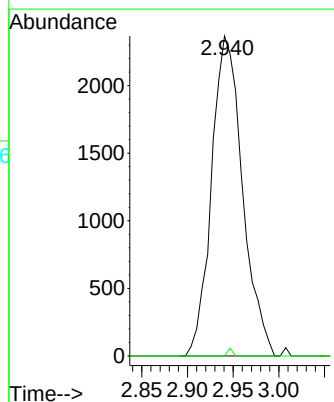
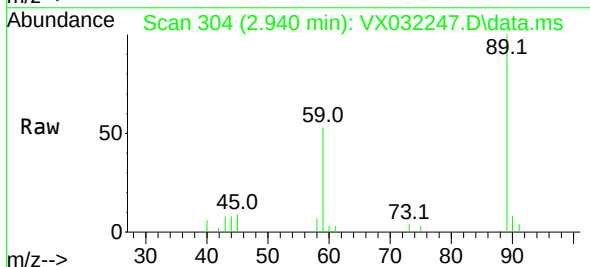


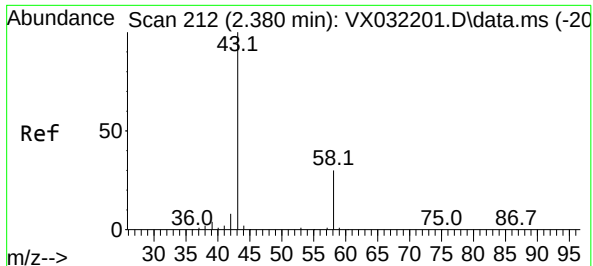
Tgt Ion: 64 Resp: 49
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX032247.D
Acq: 20 Oct 2022 07:14

Tgt Ion: 59 Resp: 5577
Ion Ratio Lower Upper
59 100
57 0.4 7.5 11.3#

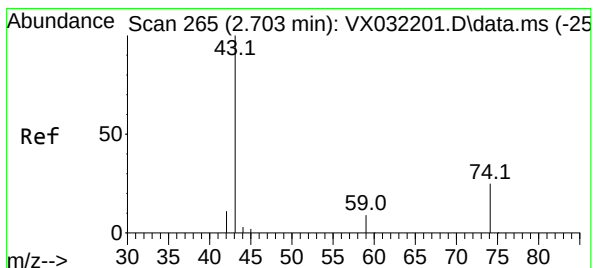
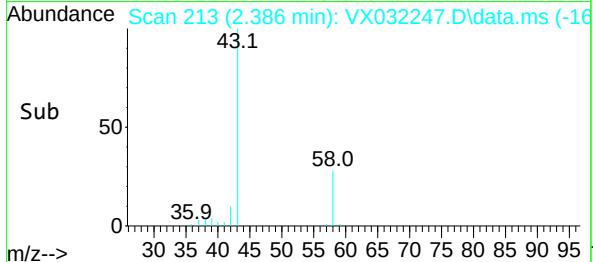
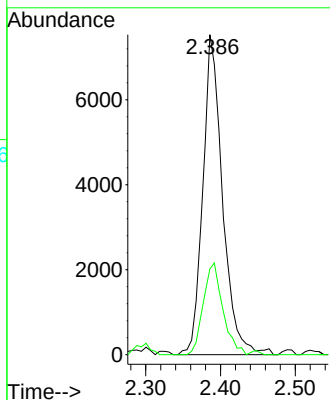
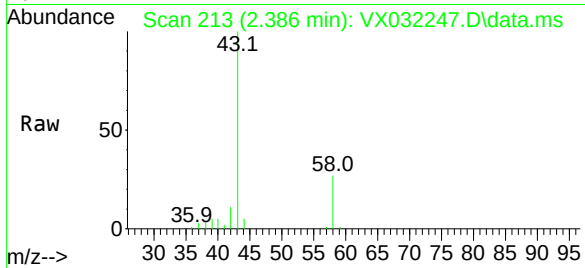




#16
Acetone
Concen: 23.488 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX032247.D
Acq: 20 Oct 2022 07:14

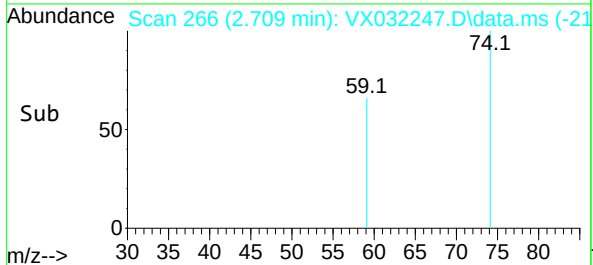
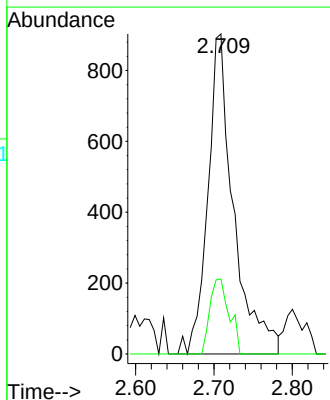
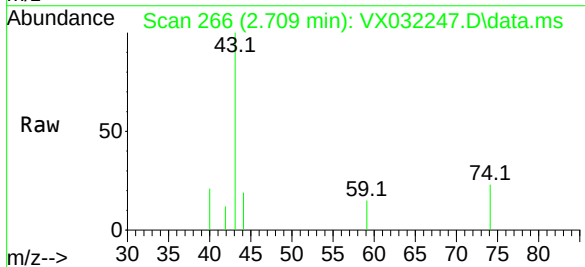
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#13

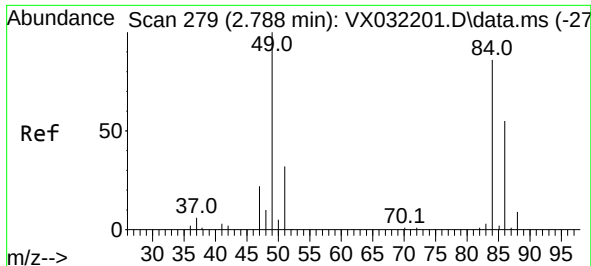
Tgt Ion: 43 Resp: 13794
Ion Ratio Lower Upper
43 100
58 26.8 24.2 36.2



#18
Methyl Acetate
Concen: 1.037 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX032247.D
Acq: 20 Oct 2022 07:14

Tgt Ion: 43 Resp: 2067
Ion Ratio Lower Upper
43 100
74 17.5 19.8 29.8#

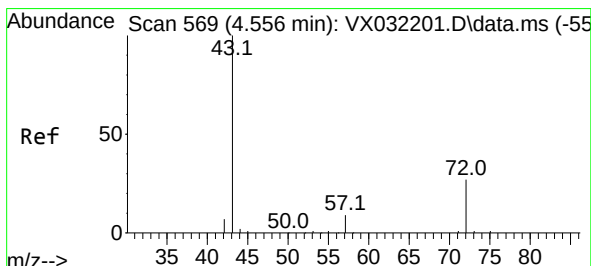
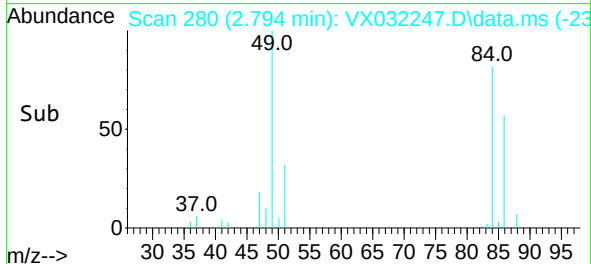
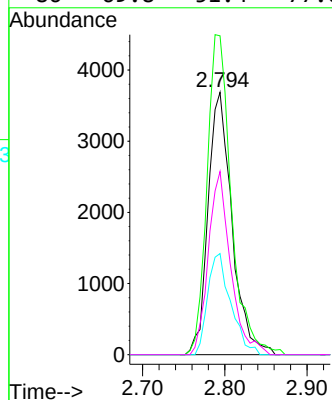
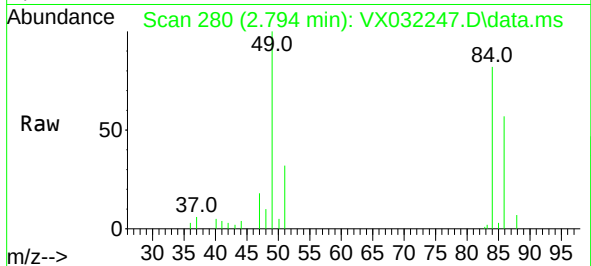




#20
Methylene Chloride
Concen: 4.934 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX032247.D
Acq: 20 Oct 2022 07:14

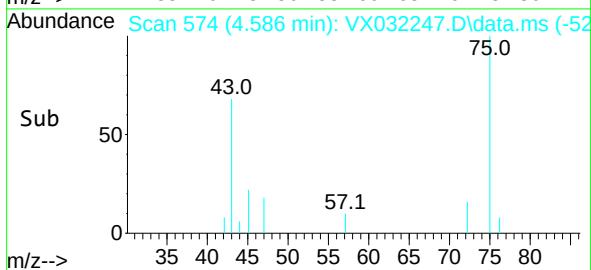
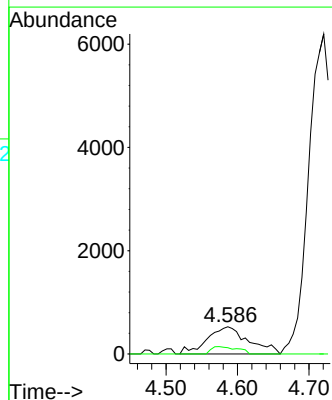
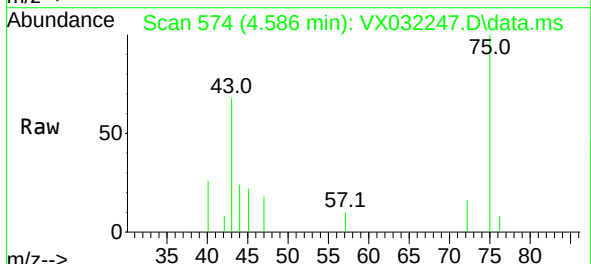
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#13

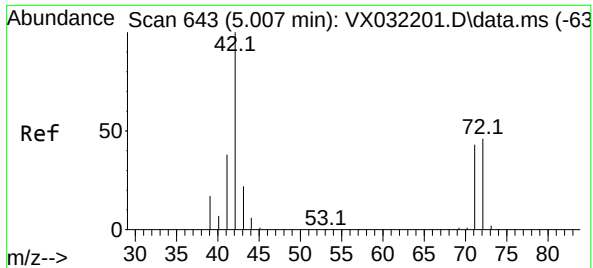
Tgt Ion:	84	Resp:	7440
Ion	Ratio	Lower	Upper
84	100		
49	121.6	92.6	139.0
51	38.5	29.2	43.8
86	69.8	51.4	77.0



#25
2-Butanone
Concen: 2.309 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX032247.D
Acq: 20 Oct 2022 07:14

Tgt Ion:	43	Resp:	2117
Ion	Ratio	Lower	Upper
43	100		
72	23.0	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.946 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX032247.D

Acq: 20 Oct 2022 07:14

Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#13

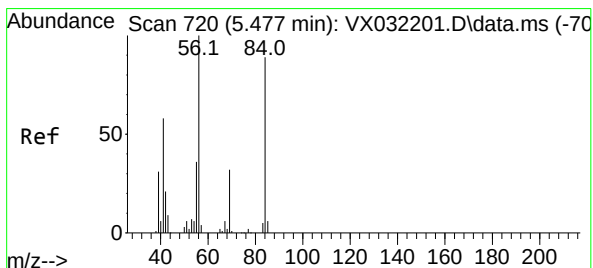
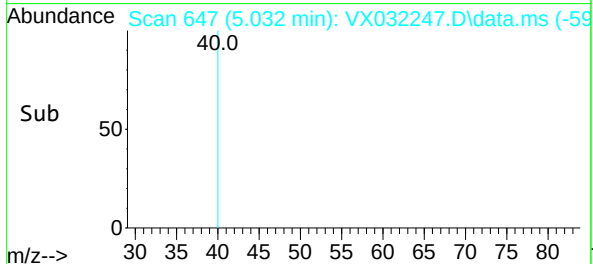
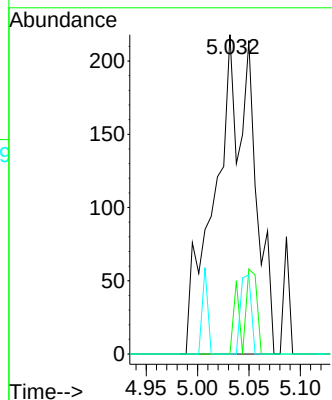
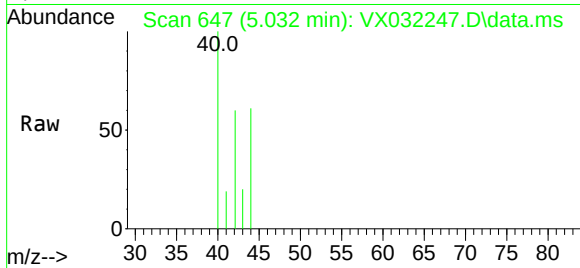
Tgt Ion: 42 Resp: 560

Ion Ratio Lower Upper

42 100

72 10.5 37.5 56.3#

71 7.0 34.7 52.1#



#31

Cyclohexane

Concen: 1.511 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX032247.D

Acq: 20 Oct 2022 07:14

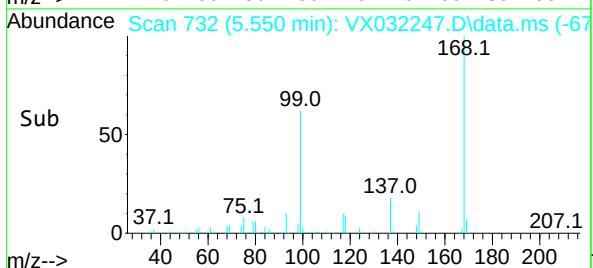
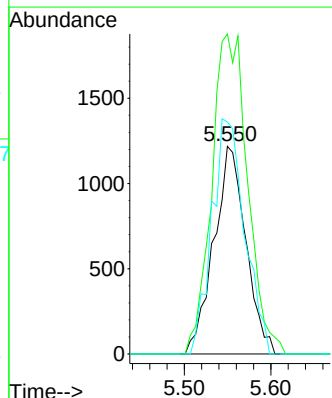
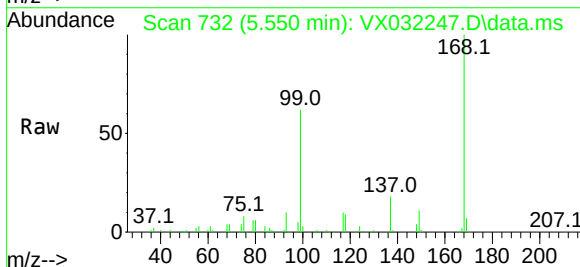
Tgt Ion: 56 Resp: 3126

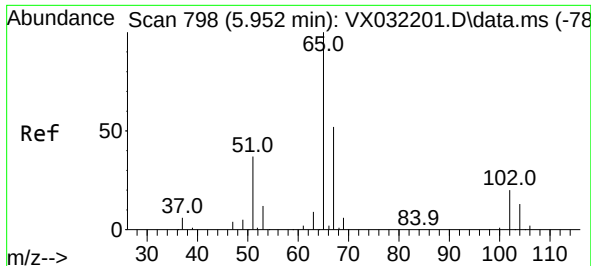
Ion Ratio Lower Upper

56 100

69 154.1 25.4 38.0#

84 111.7 71.2 106.8#





#33

1,2-Dichloroethane-d4

Concen: 56.447 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX032247.D

Acq: 20 Oct 2022 07:14

Instrument :

MSVOA_X

ClientSampleId :

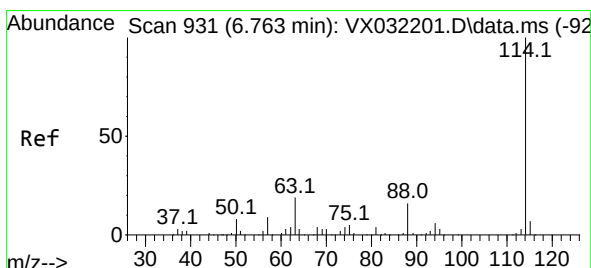
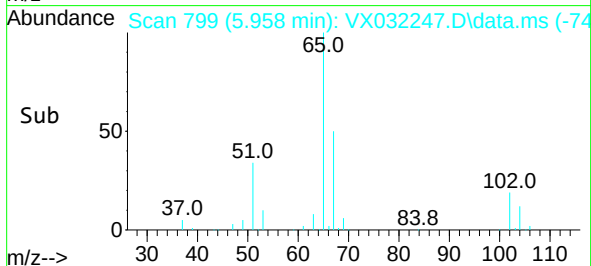
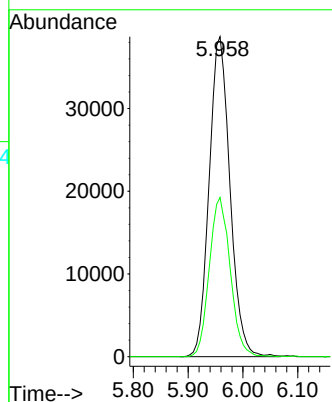
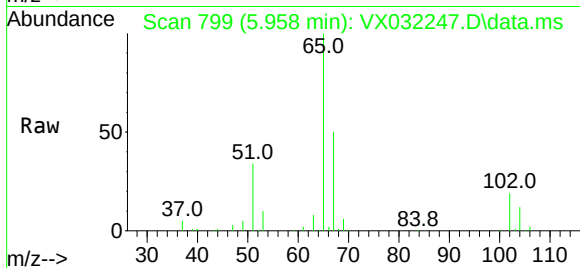
PB148361ZHE#13

Tgt Ion: 65 Resp: 102154

Ion Ratio Lower Upper

65 100

67 50.0 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: VX032247.D

Acq: 20 Oct 2022 07:14

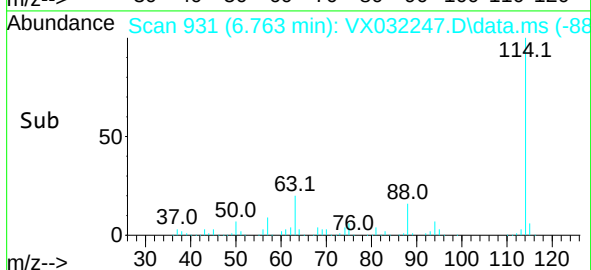
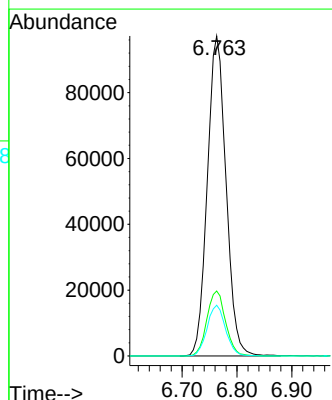
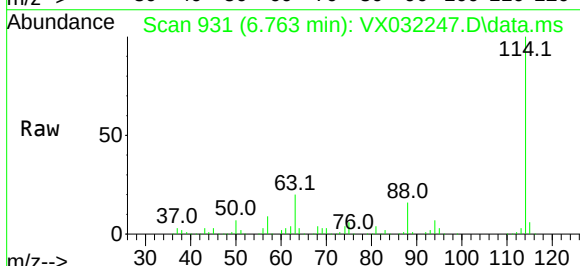
Tgt Ion: 114 Resp: 229826

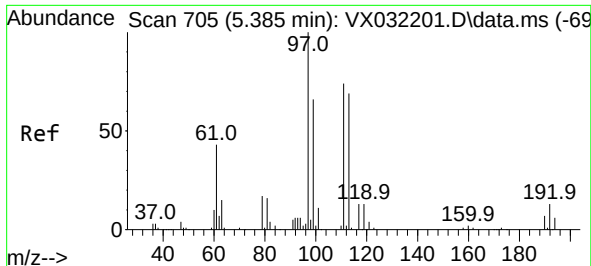
Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.6

88 15.9 0.0 32.6

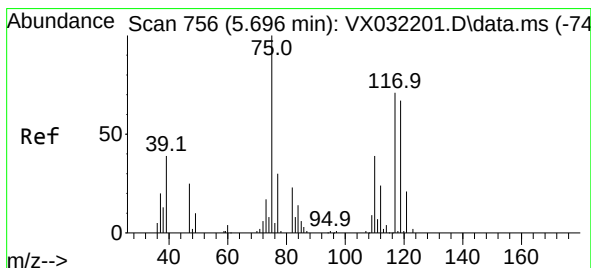
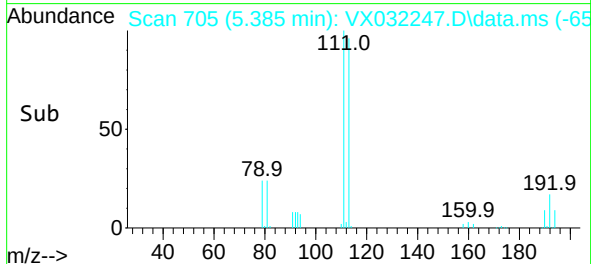
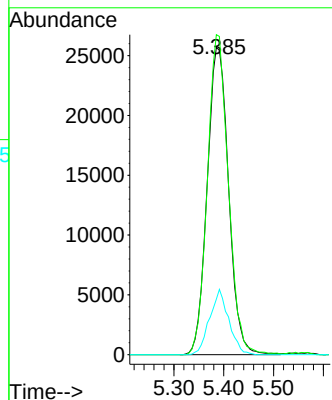
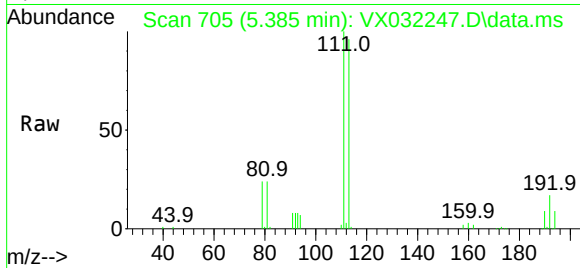




#35
Dibromofluoromethane
Concen: 48.017 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032247.D
Acq: 20 Oct 2022 07:14

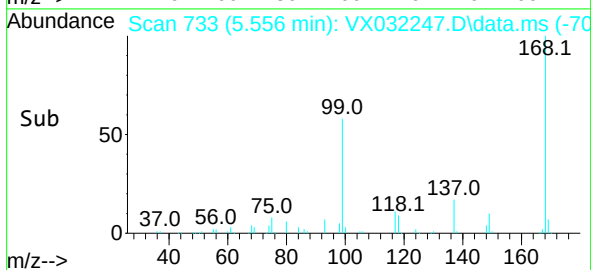
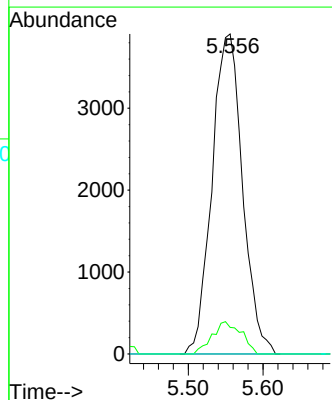
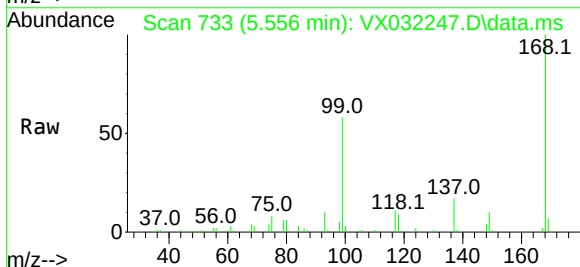
Instrument :
MSVOA_X
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PB148361ZHE#13

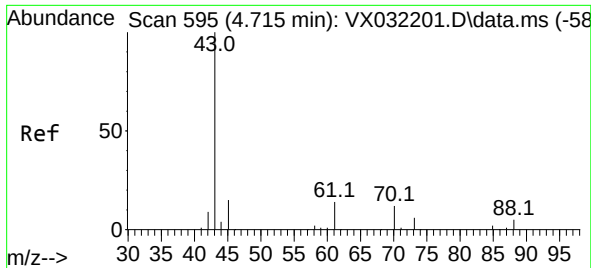
Tgt Ion:113 Resp: 76793
Ion Ratio Lower Upper
113 100
111 101.8 82.8 124.2
192 19.0 15.5 23.3



#36
1,1-Dichloropropene
Concen: 5.386 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX032247.D
Acq: 20 Oct 2022 07:14

Tgt Ion: 75 Resp: 11081
Ion Ratio Lower Upper
75 100
110 9.6 18.4 55.0#
77 0.0 24.7 37.1#

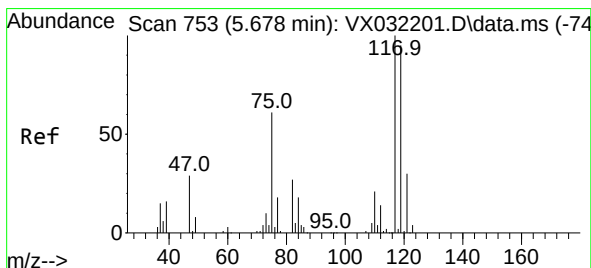
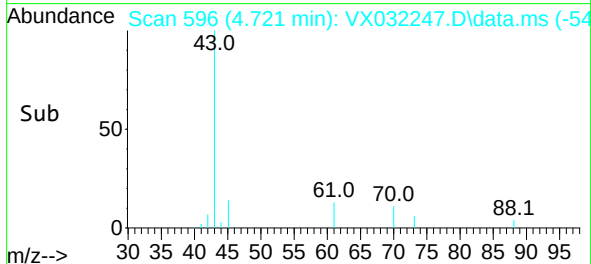
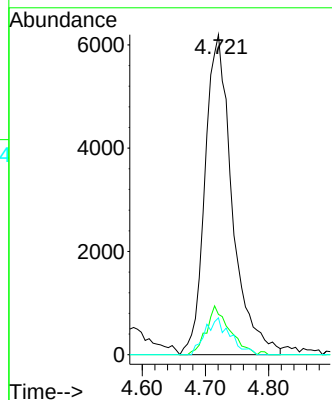
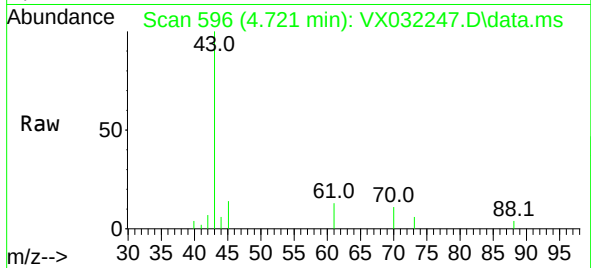




#37
Ethyl Acetate
Concen: 9.204 ug/l
RT: 4.721 min Scan# 595
Delta R.T. 0.006 min
Lab File: VX032247.D
Acq: 20 Oct 2022 07:14

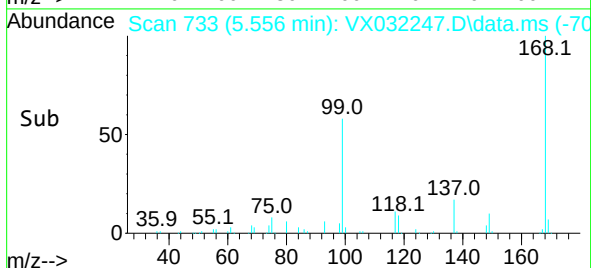
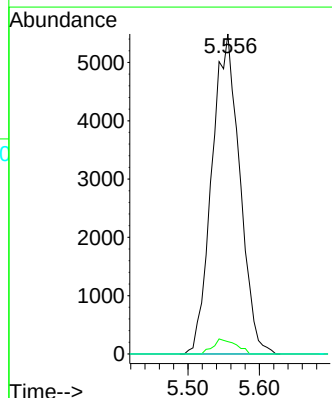
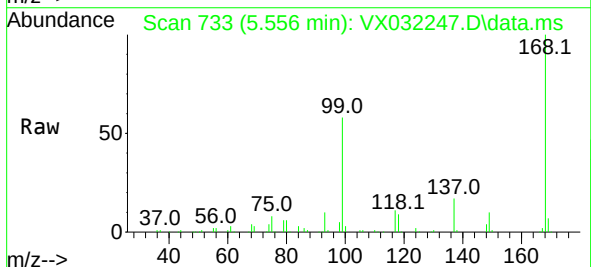
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#13

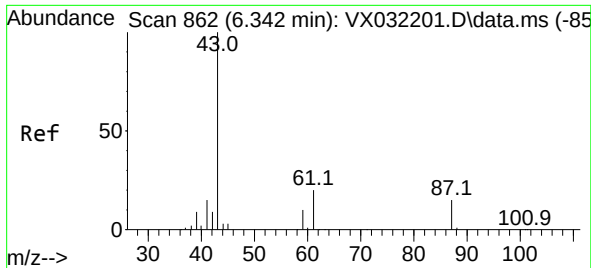
Tgt Ion: 43 Resp: 18540
Ion Ratio Lower Upper
43 100
61 13.0 11.4 17.2
70 10.6 8.8 13.2



#38
Carbon Tetrachloride
Concen: 6.857 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX032247.D
Acq: 20 Oct 2022 07:14

Tgt Ion: 117 Resp: 14892
Ion Ratio Lower Upper
117 100
119 3.8 75.4 113.0#
121 0.0 23.9 35.9#

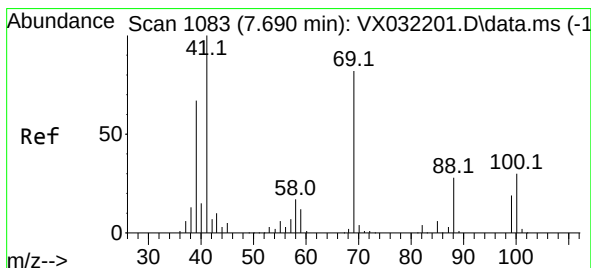
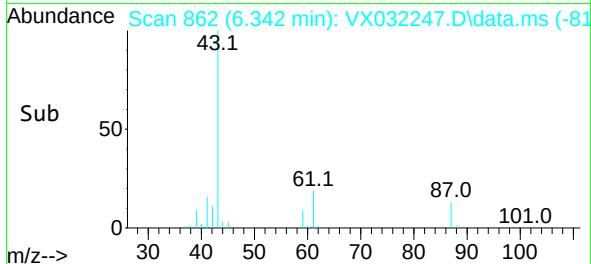
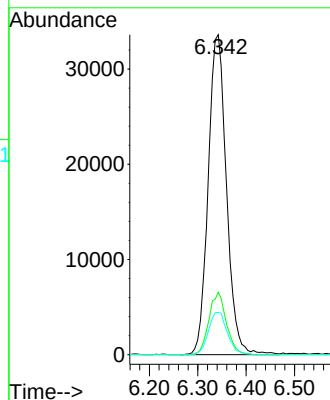
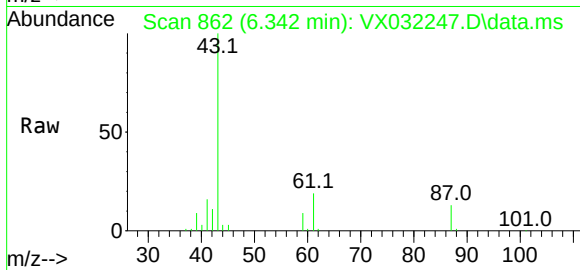




#43
Isopropyl Acetate
Concen: 27.927 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX032247.D
Acq: 20 Oct 2022 07:14

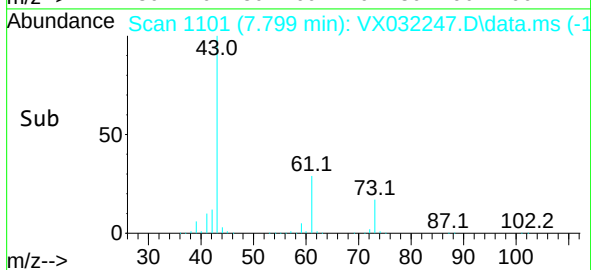
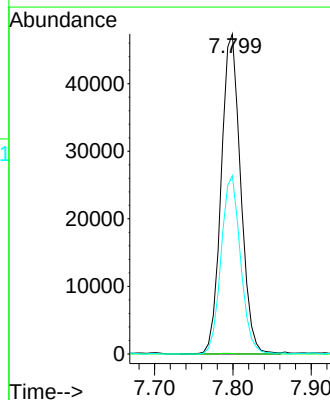
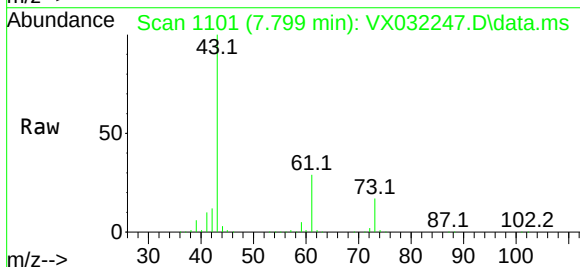
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#13

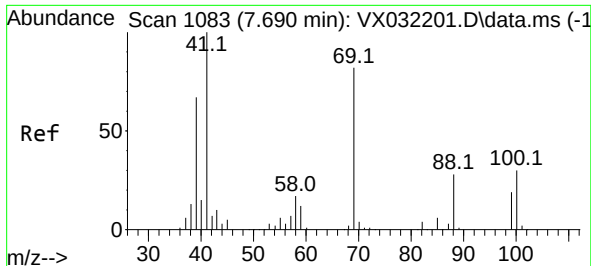
Tgt Ion: 43 Resp: 88288
Ion Ratio Lower Upper
43 100
61 18.6 15.5 23.3
87 13.6 11.0 16.6



#48
Methyl methacrylate
Concen: 51.823 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX032247.D
Acq: 20 Oct 2022 07:14

Tgt Ion: 41 Resp: 81707
Ion Ratio Lower Upper
41 100
69 0.1 67.3 100.9#
39 55.8 53.8 80.8





#49

1,4-Dioxane

Concen: 2.971 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.103 min

Lab File: VX032247.D

Acq: 20 Oct 2022 07:14

Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#13

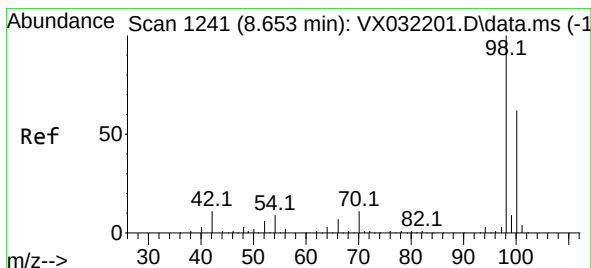
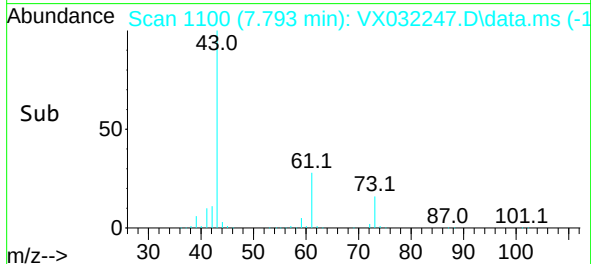
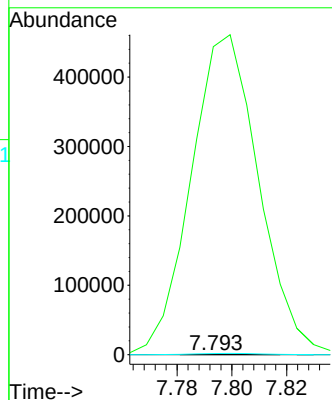
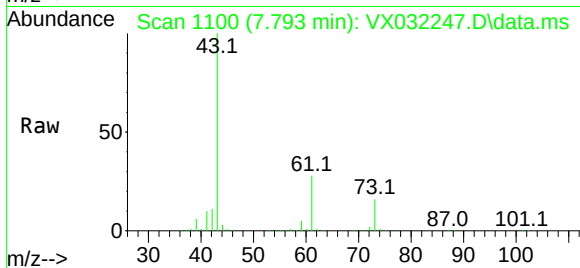
Tgt Ion: 88 Resp: 94

Ion Ratio Lower Upper

88 100

43 849403.2 26.9 40.3#

58 3460.6 50.7 76.1#



#50

Toluene-d8

Concen: 48.734 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX032247.D

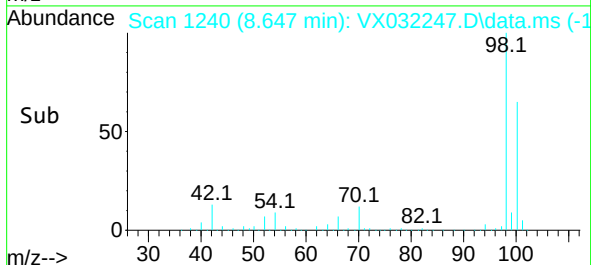
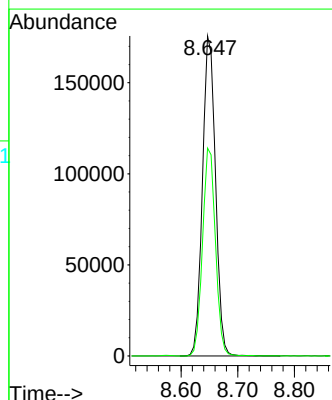
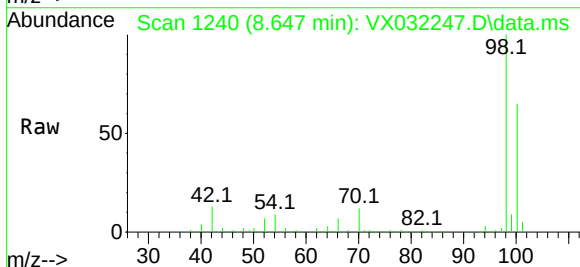
Acq: 20 Oct 2022 07:14

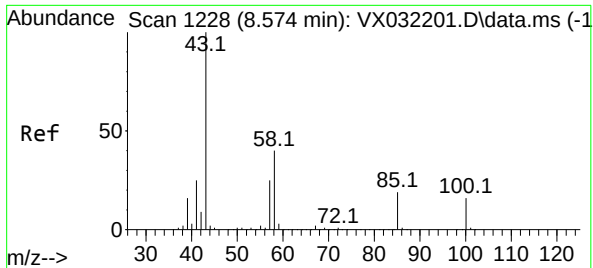
Tgt Ion: 98 Resp: 280559

Ion Ratio Lower Upper

98 100

100 64.4 50.7 76.1

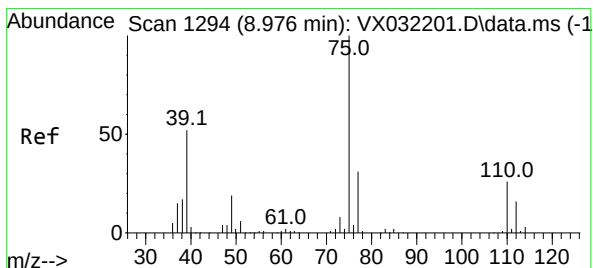
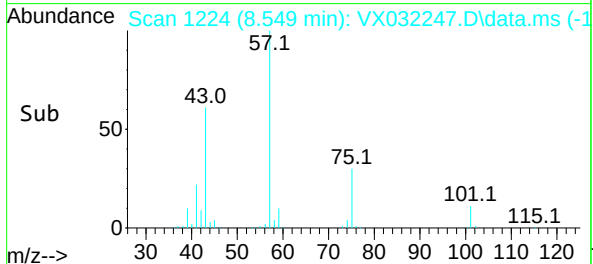
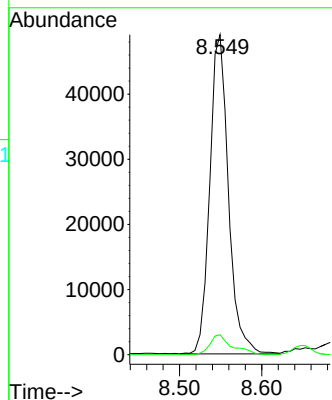
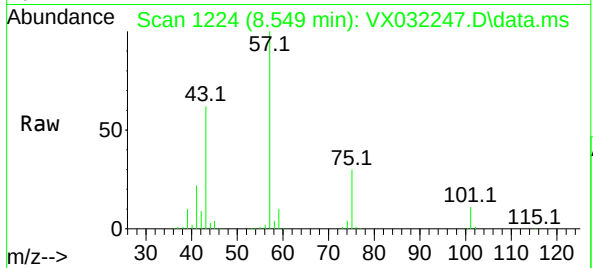




#51
4-Methyl-2-Pentanone
Concen: 38.996 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX032247.D
Acq: 20 Oct 2022 07:14

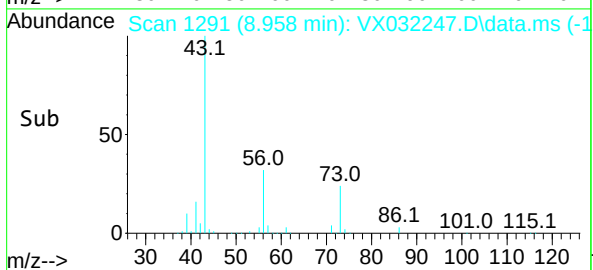
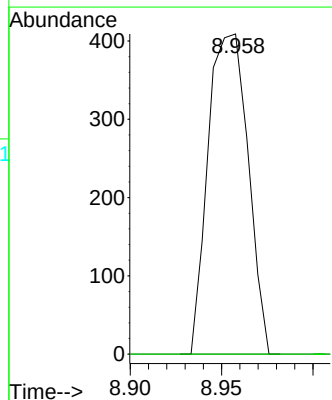
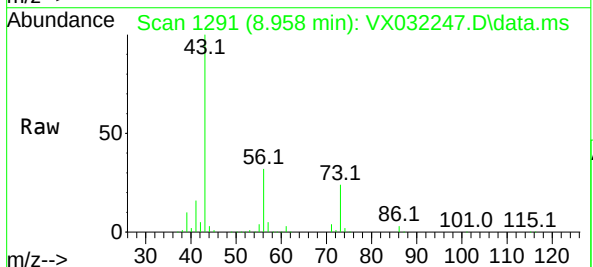
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#13

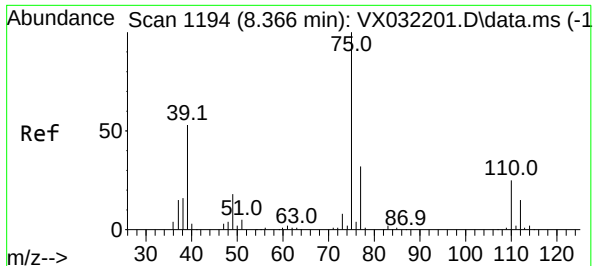
Tgt Ion: 43 Resp: 77280
Ion Ratio Lower Upper
43 100
58 7.4 31.0 46.4#



#53
t-1,3-Dichloropropene
Concen: 2.076 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX032247.D
Acq: 20 Oct 2022 07:14

Tgt Ion: 75 Resp: 623
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#

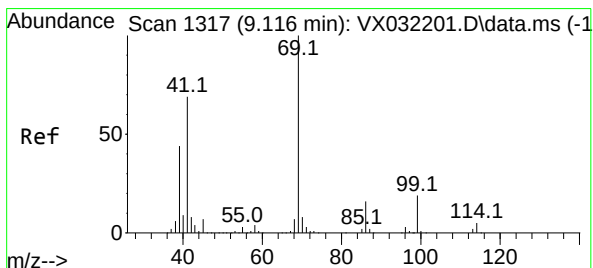
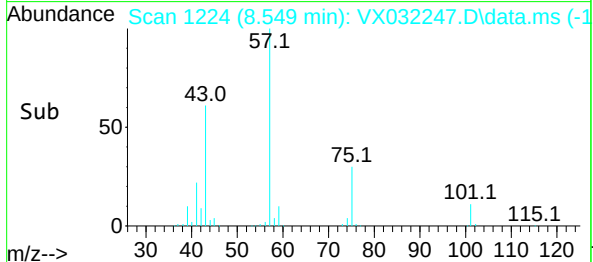
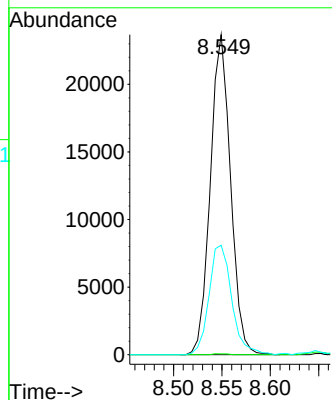
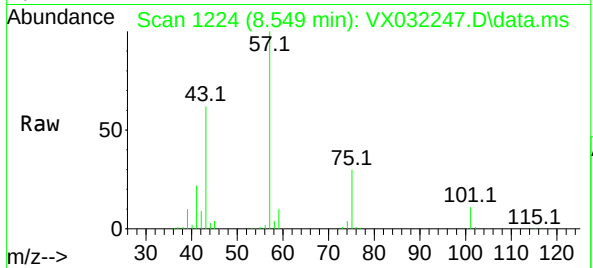




#54
 cis-1,3-Dichloropropene
 Concen: 14.894 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX032247.D
 Acq: 20 Oct 2022 07:14

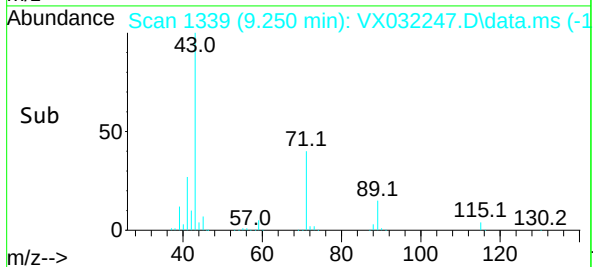
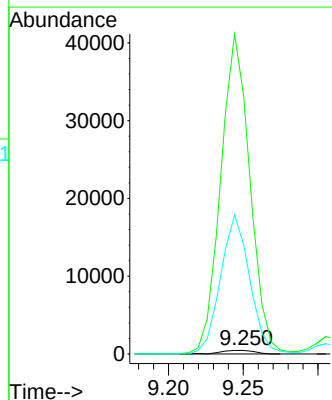
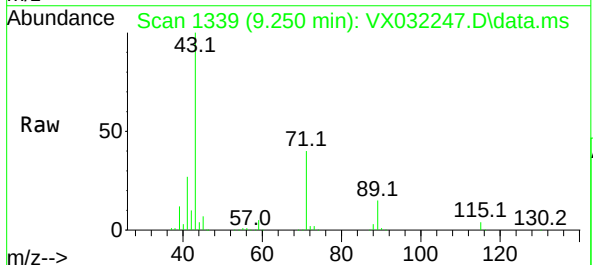
Instrument :
 MSVOA_X
 ClientSampleId :
 PB148361ZHE#13

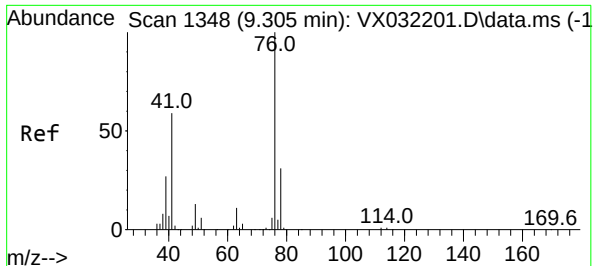
Tgt Ion: 75 Resp: 34394
 Ion Ratio Lower Upper
 75 100
 77 0.2 25.3 37.9#
 39 34.2 42.4 63.6#



#56
 Ethyl methacrylate
 Concen: 0.316 ug/l
 RT: 9.250 min Scan# 1339
 Delta R.T. 0.134 min
 Lab File: VX032247.D
 Acq: 20 Oct 2022 07:14

Tgt Ion: 69 Resp: 713
 Ion Ratio Lower Upper
 69 100
 41 7829.9 54.5 81.7#
 39 3408.3 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 1.657 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX032247.D

Acq: 20 Oct 2022 07:14

Instrument :

MSVOA_X

ClientSampleId :

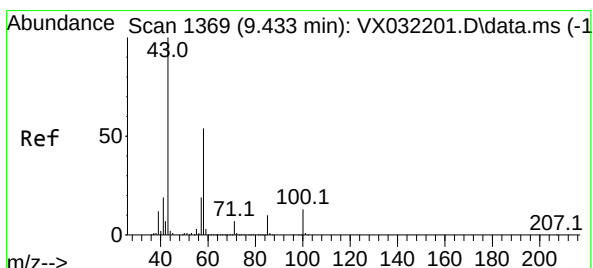
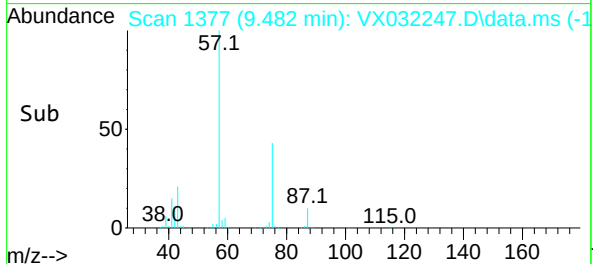
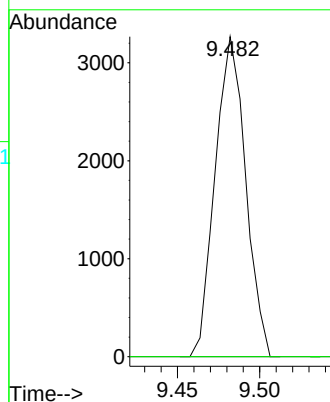
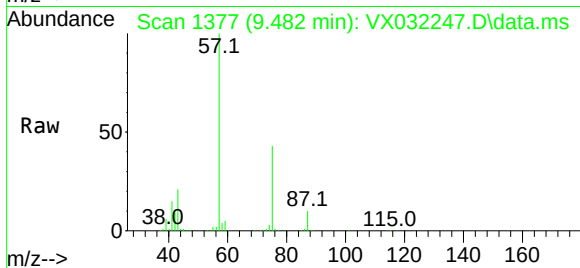
PB148361ZHE#13

Tgt Ion: 76 Resp: 4211

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 43.372 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX032247.D

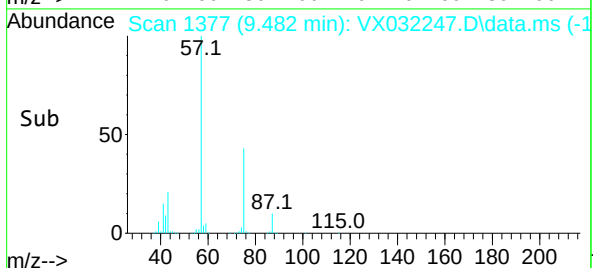
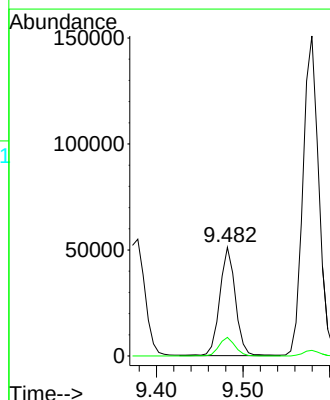
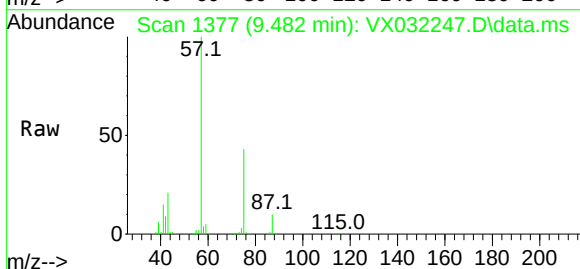
Acq: 20 Oct 2022 07:14

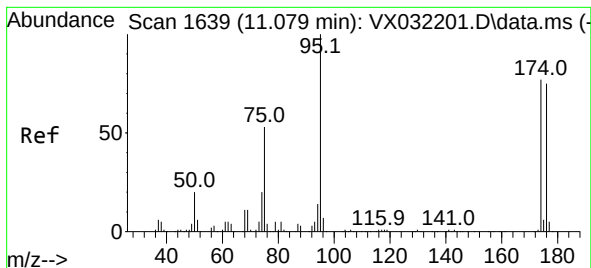
Tgt Ion: 43 Resp: 64134

Ion Ratio Lower Upper

43 100

58 17.5 26.7 80.1#

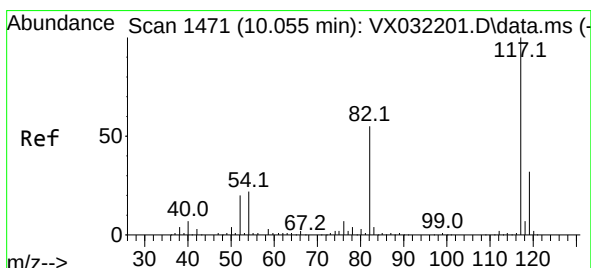
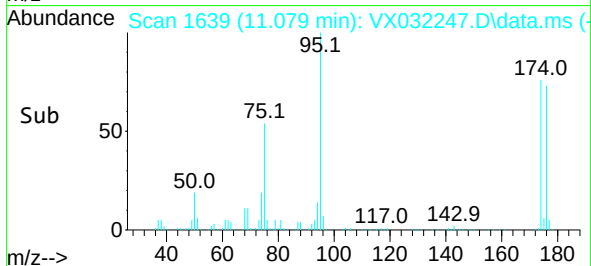
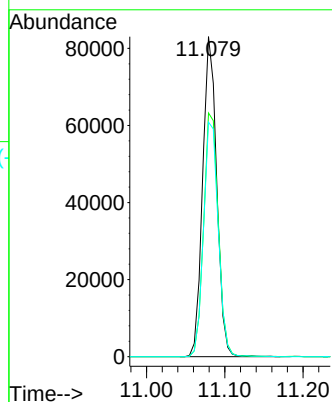
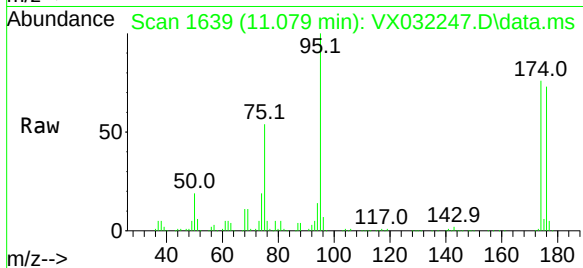




#62
4-Bromofluorobenzene
Concen: 49.047 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032247.D
Acq: 20 Oct 2022 07:14

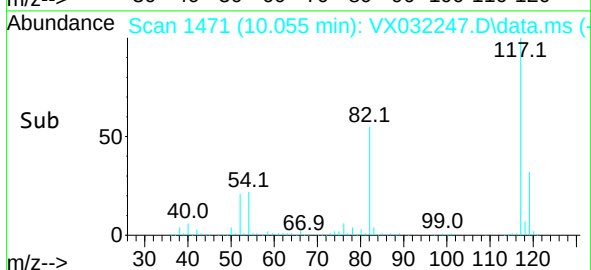
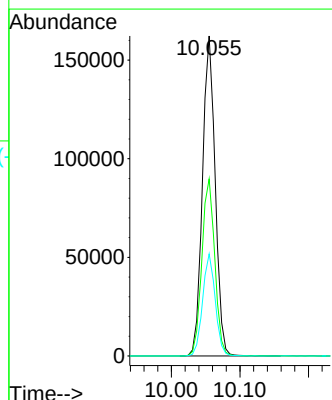
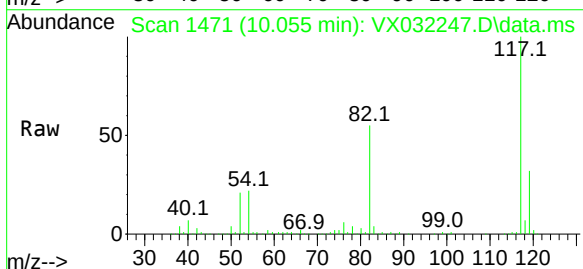
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#13

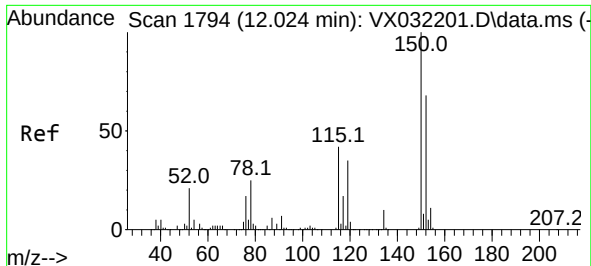
Tgt Ion: 95 Resp: 103395
Ion Ratio Lower Upper
95 100
174 79.4 0.0 166.8
176 76.9 0.0 161.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032247.D
Acq: 20 Oct 2022 07:14

Tgt Ion: 117 Resp: 210231
Ion Ratio Lower Upper
117 100
82 55.3 44.2 66.4
119 31.9 25.8 38.8

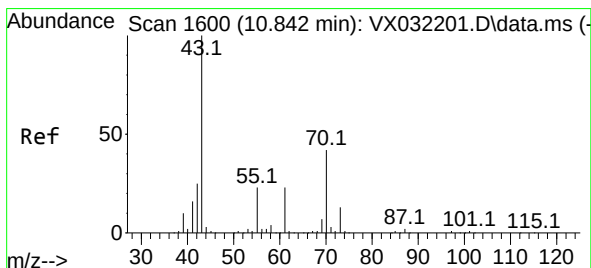
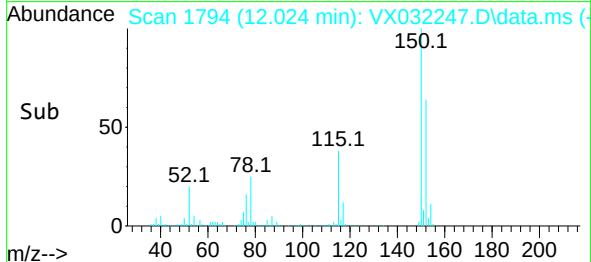
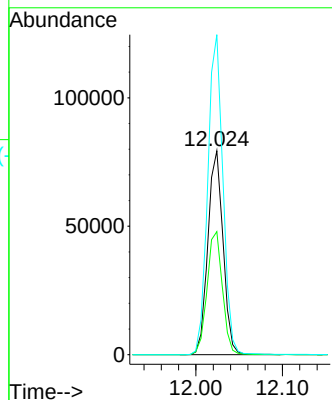
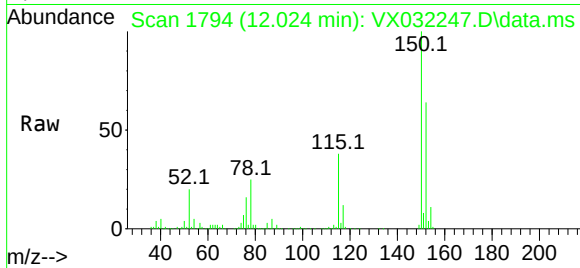




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX032247.D
 Acq: 20 Oct 2022 07:14

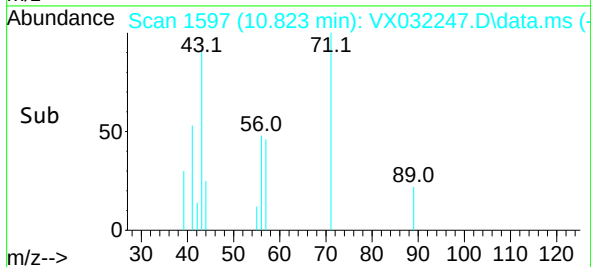
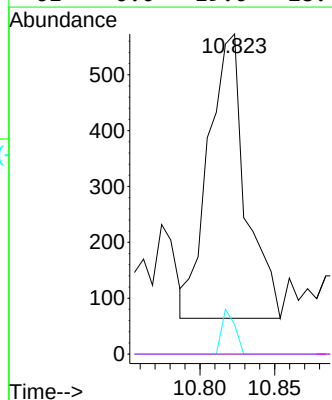
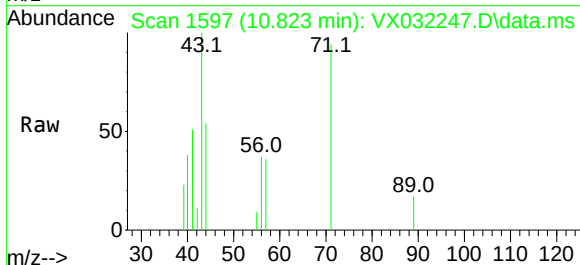
Instrument :
 MSVOA_X
 ClientSampleId :
 PB148361ZHE#13

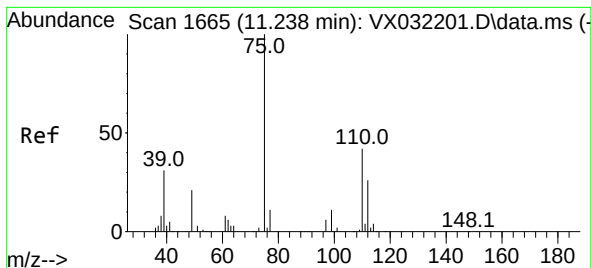
Tgt Ion:152 Resp: 96812
 Ion Ratio Lower Upper
 152 100
 115 61.0 43.1 129.4
 150 156.8 0.0 348.6



#74
 N-ethyl acetate
 Concen: 0.346 ug/l
 RT: 10.823 min Scan# 1597
 Delta R.T. -0.019 min
 Lab File: VX032247.D
 Acq: 20 Oct 2022 07:14

Tgt Ion: 43 Resp: 883
 Ion Ratio Lower Upper
 43 100
 70 0.0 33.9 50.9#
 55 5.5 19.1 28.7#
 61 0.0 19.0 28.4#





#76

1,2,3-Trichloropropane

Concen: 29.022 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX032247.D

Acq: 20 Oct 2022 07:14

Instrument :

MSVOA_X

ClientSampleId :

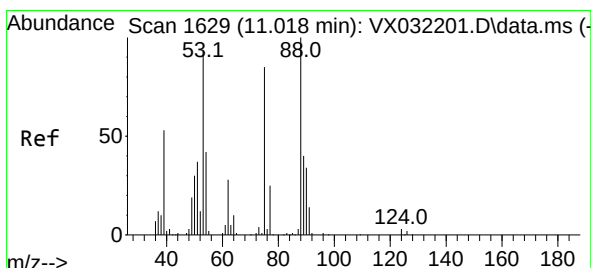
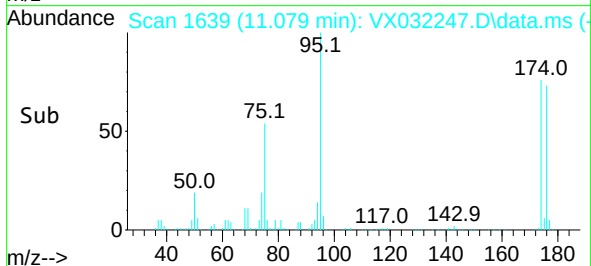
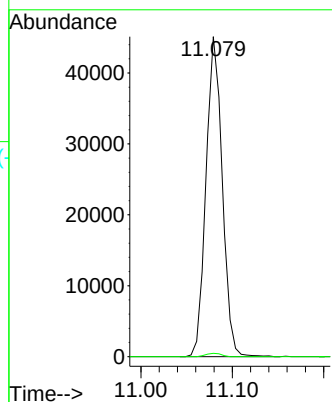
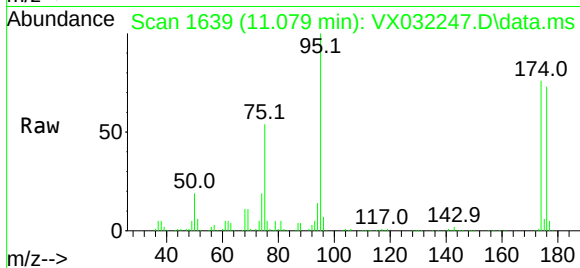
PB148361ZHE#13

Tgt Ion: 75 Resp: 55672

Ion Ratio Lower Upper

75 100

77 1.0 16.0 47.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 88.904 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX032247.D

Acq: 20 Oct 2022 07:14

Tgt Ion: 75 Resp: 55672

Ion Ratio Lower Upper

75 100

53 0.0 87.8 131.8#

89 0.0 37.8 56.8#

