

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032243.D
 Acq On : 20 Oct 2022 05:41
 Operator : JC/MD
 Sample : PB148361ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB148361ZHE#09

Quant Time: Oct 20 13:12:12 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)

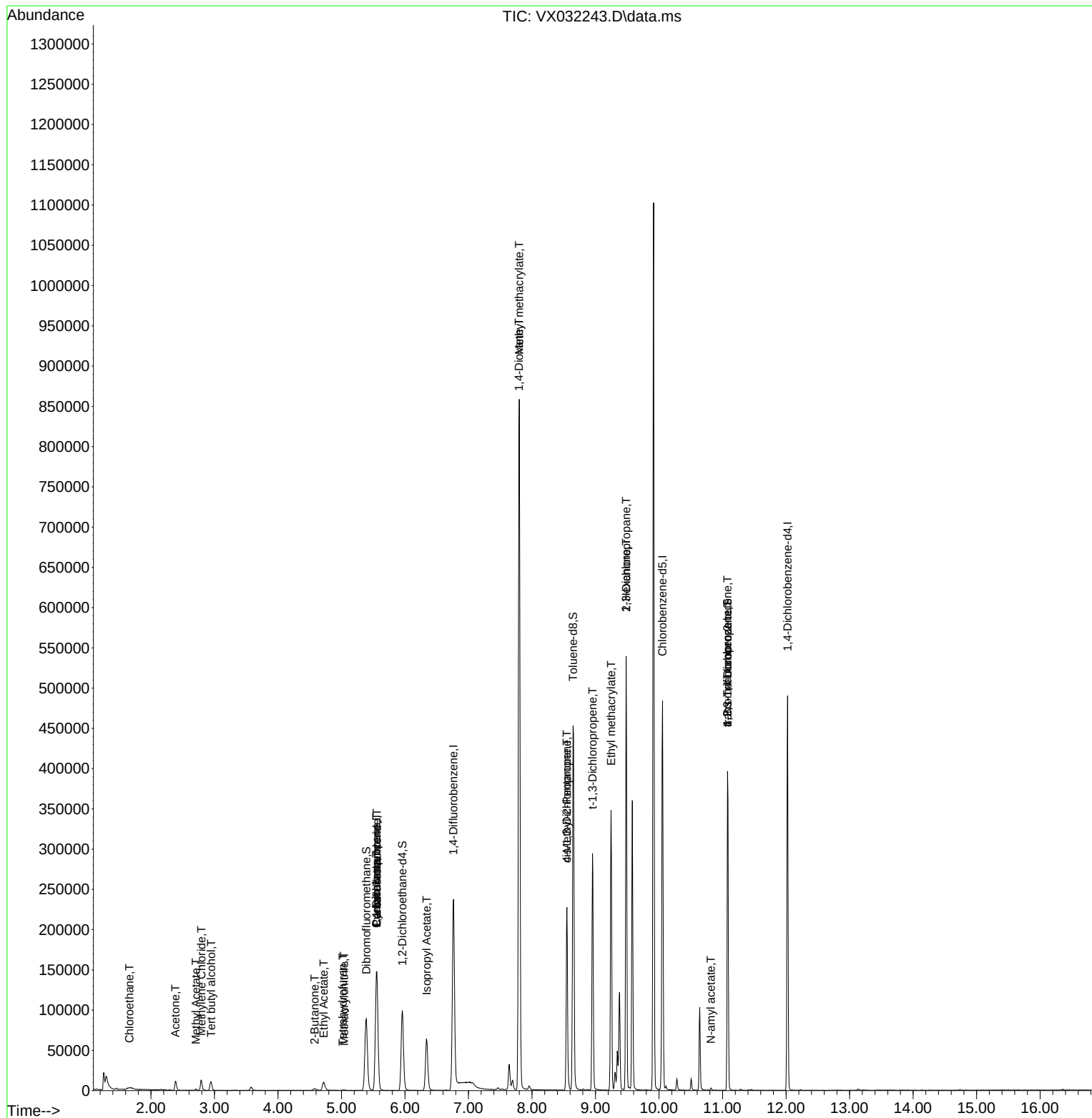
Internal Standards						
1) Pentafluorobenzene	5.556	168	139507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	229682	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	99477	54.813	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.620%			
35) Dibromofluoromethane	5.391	113	76292	47.734	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.460%			
50) Toluene-d8	8.647	98	274333	47.683	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.360%			
62) 4-Bromofluorobenzene	11.079	95	100090	47.509	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.020%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	801	Below Cal	#	44
6) Chloroethane	1.660	64	76	2.006	ug/l #	41
11) Tert butyl alcohol	2.946	59	6585	2.941	ug/l #	74
16) Acetone	2.386	43	14355	24.374	ug/l	96
18) Methyl Acetate	2.709	43	2002	1.001	ug/l	92
20) Methylene Chloride	2.794	84	6438	4.257	ug/l	94
25) 2-Butanone	4.574	43	1870	2.034	ug/l	98
29) Tetrahydrofuran	5.019	42	316	0.532	ug/l #	55
31) Cyclohexane	5.550	56	3116	1.502	ug/l #	20
36) 1,1-Dichloropropene	5.550	75	11212	5.453	ug/l #	50
37) Ethyl Acetate	4.721	43	18556	9.218	ug/l	99
38) Carbon Tetrachloride	5.556	117	14731	6.787	ug/l #	17
41) Methacrylonitrile	5.044	41	436	0.411	ug/l #	29
43) Isopropyl Acetate	6.342	43	87570	27.717	ug/l	99
48) Methyl methacrylate	7.799	41	79783	50.634	ug/l #	43
49) 1,4-Dioxane	7.793	88	47	1.486	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	77519	39.141	ug/l #	49
53) t-1,3-Dichloropropene	8.951	75	567	2.053	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	34105	14.778	ug/l #	63
56) Ethyl methacrylate	9.244	69	706	0.313	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4394	1.730	ug/l #	42
59) 2-Hexanone	9.482	43	61436	41.573	ug/l #	51
74) N-amyl acetate	10.817	43	802	0.317	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	55494	29.170	ug/l #	44
81) trans-1,4-Dichloro-2-b...	11.079	75	55494	89.344	ug/l #	6

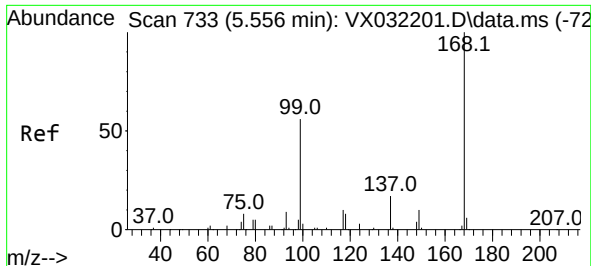
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
Data File : VX032243.D
Acq On : 20 Oct 2022 05:41
Operator : JC/MD
Sample : PB148361ZHE#09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#09

Quant Time: Oct 20 13:12:12 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

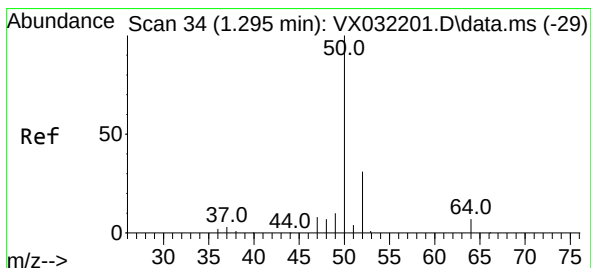
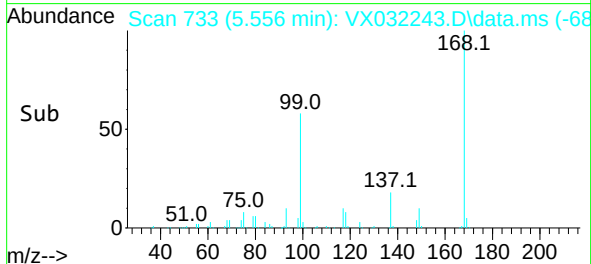
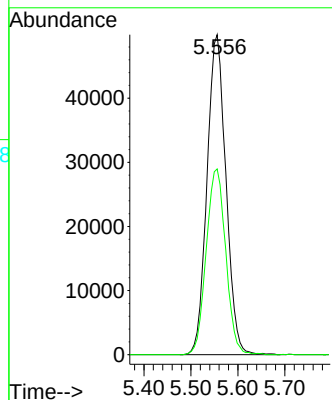
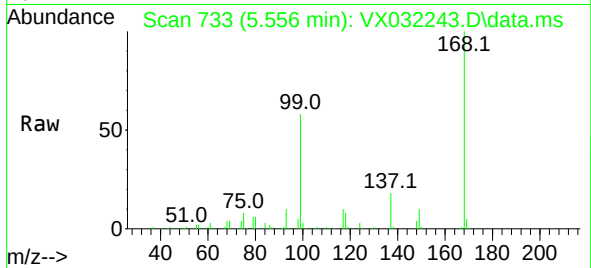




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032243.D
Acq: 20 Oct 2022 05:41

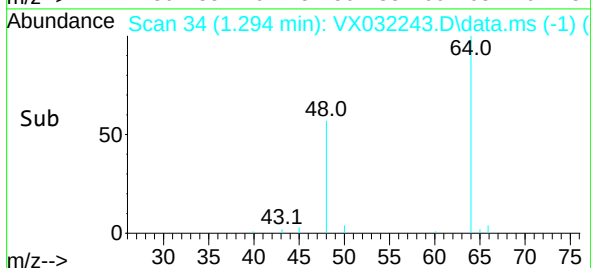
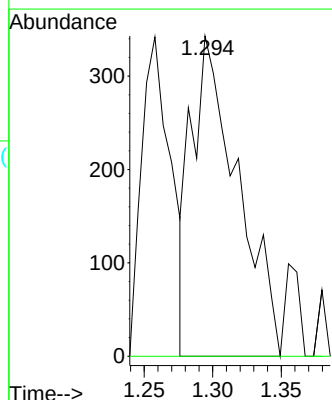
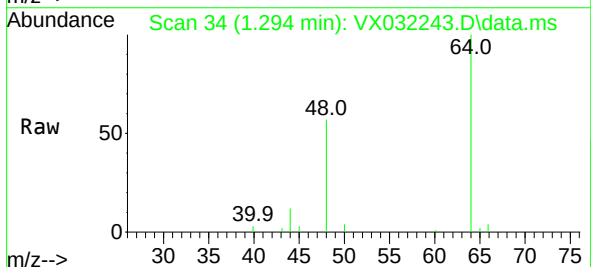
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#09

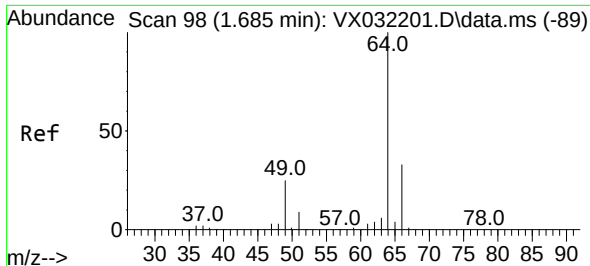
Tgt Ion:168 Resp: 139507
Ion Ratio Lower Upper
168 100
99 58.0 44.8 67.2



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX032243.D
Acq: 20 Oct 2022 05:41

Tgt Ion: 50 Resp: 801
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#

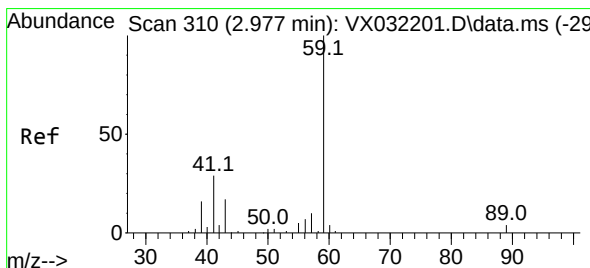
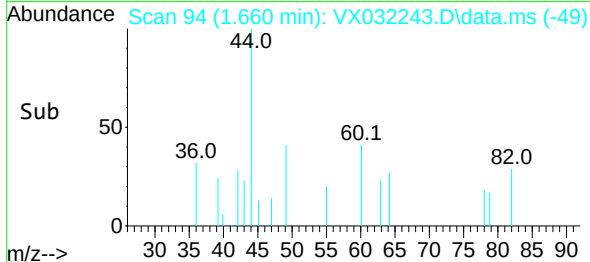
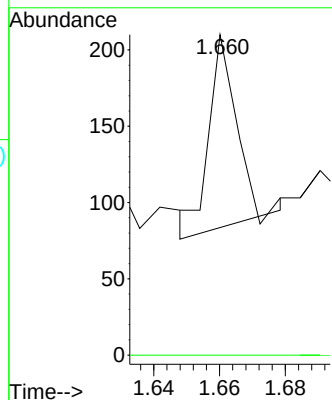
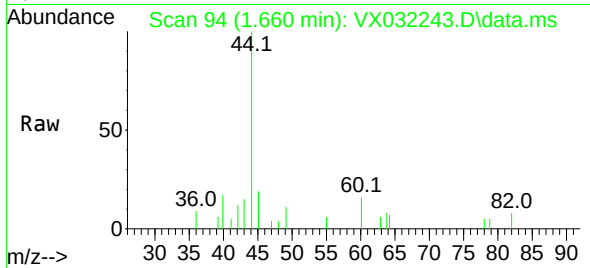




#6
Chloroethane
Concen: 2.006 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.025 min
Lab File: VX032243.D
Acq: 20 Oct 2022 05:41

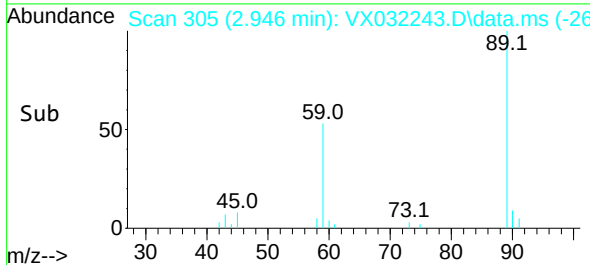
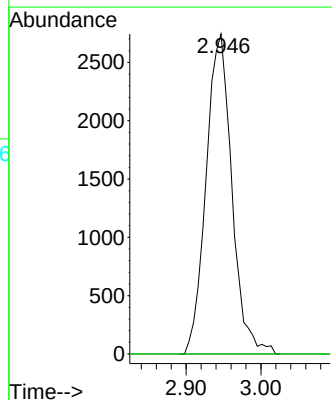
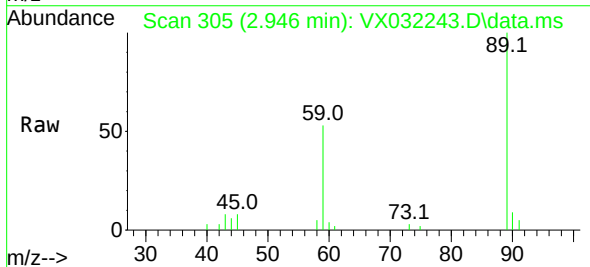
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#09

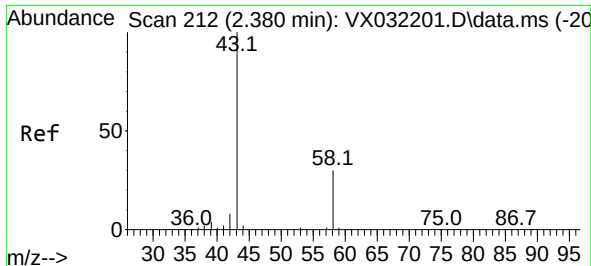
Tgt Ion: 64 Resp: 76
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: 2.941 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX032243.D
Acq: 20 Oct 2022 05:41

Tgt Ion: 59 Resp: 6585
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#

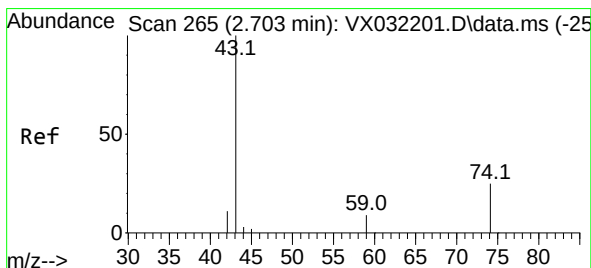
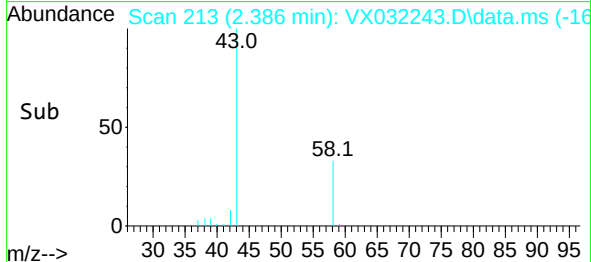
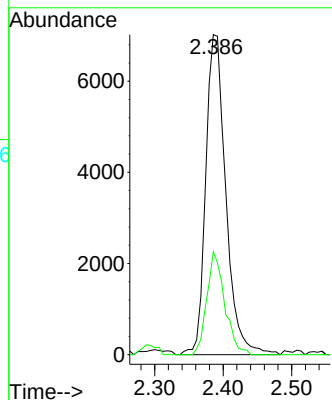
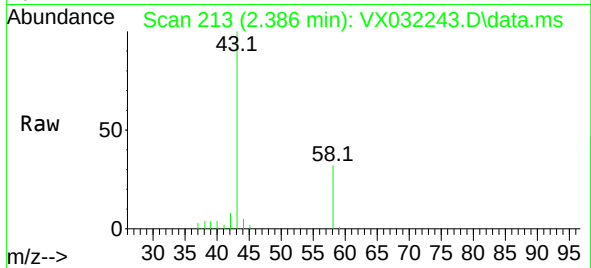




#16
Acetone
Concen: 24.374 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX032243.D
Acq: 20 Oct 2022 05:41

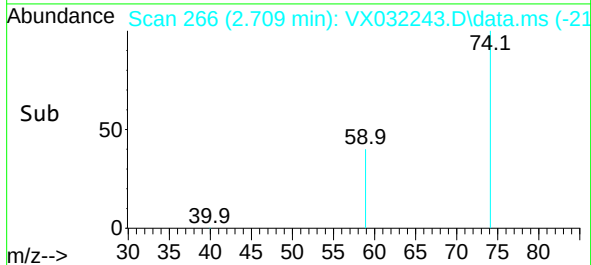
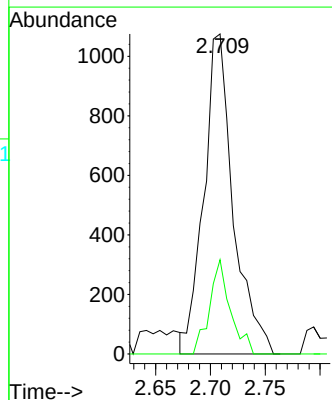
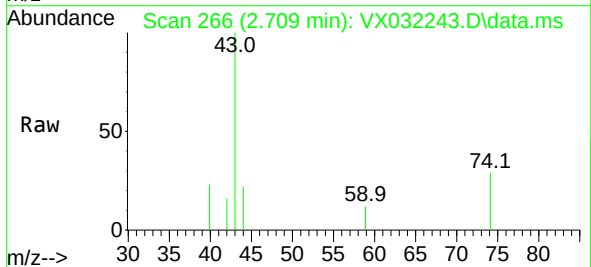
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#09

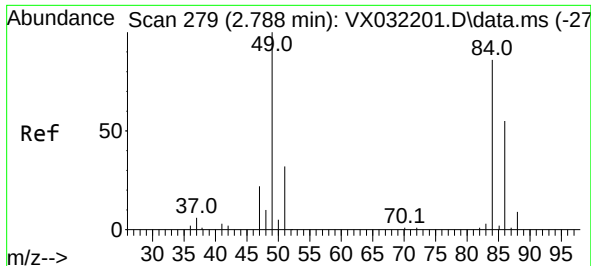
Tgt Ion: 43 Resp: 14355
Ion Ratio Lower Upper
43 100
58 32.1 24.2 36.2



#18
Methyl Acetate
Concen: 1.001 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX032243.D
Acq: 20 Oct 2022 05:41

Tgt Ion: 43 Resp: 2002
Ion Ratio Lower Upper
43 100
74 20.8 19.8 29.8

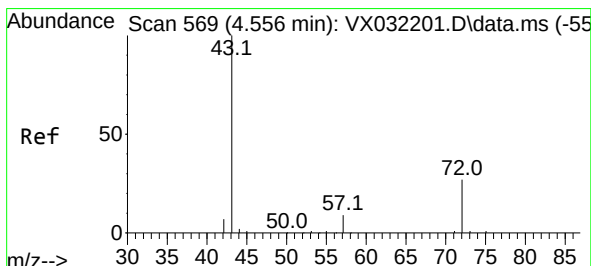
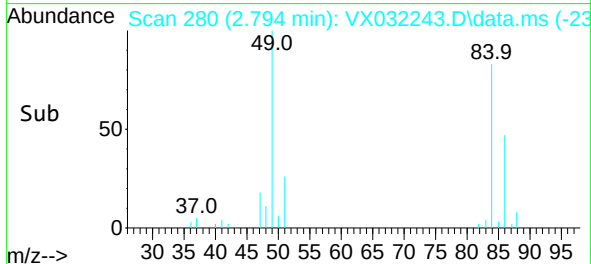
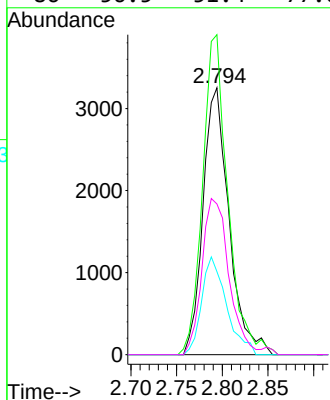
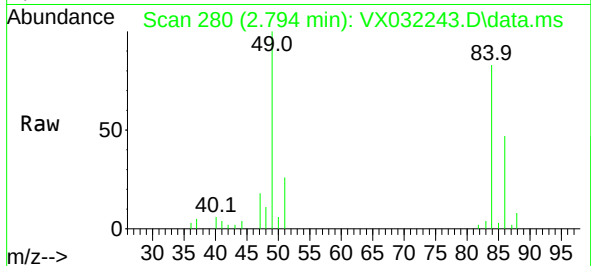




#20
Methylene Chloride
Concen: 4.257 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX032243.D
Acq: 20 Oct 2022 05:41

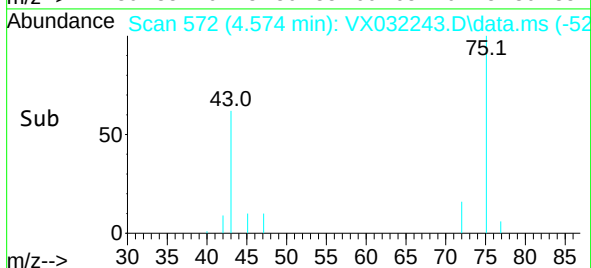
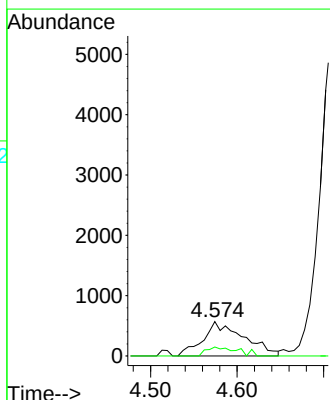
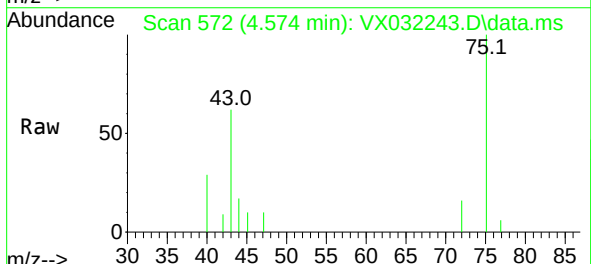
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#09

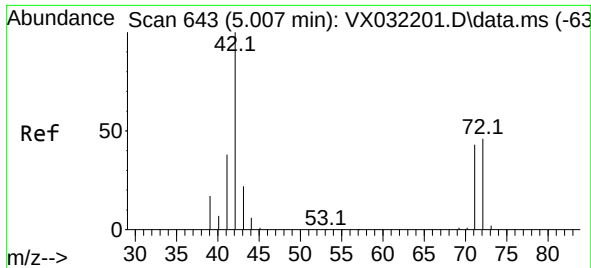
Tgt Ion: 84	Resp: 6438
Ion Ratio	Lower Upper
84 100	
49 119.9	92.6 139.0
51 31.2	29.2 43.8
86 56.5	51.4 77.0



#25
2-Butanone
Concen: 2.034 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX032243.D
Acq: 20 Oct 2022 05:41

Tgt Ion: 43	Resp: 1870
Ion Ratio	Lower Upper
43 100	
72 26.0	21.7 32.5

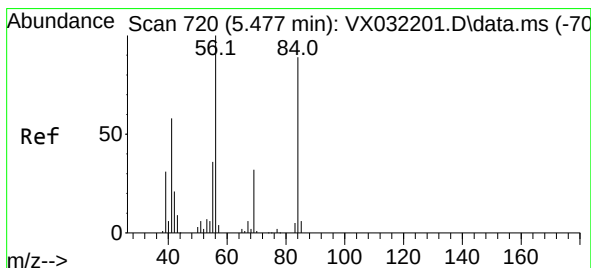
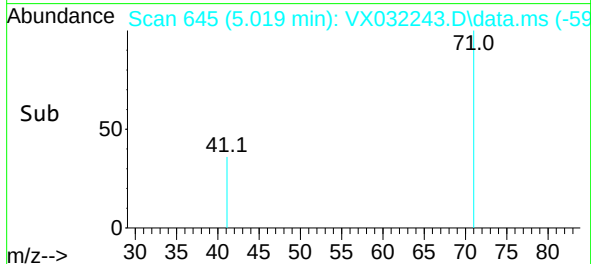
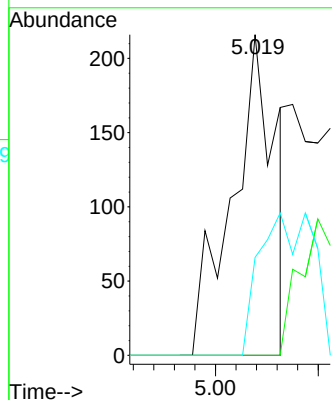
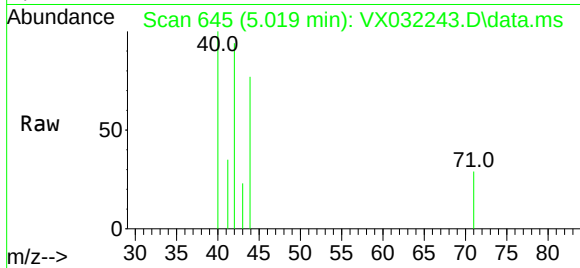




#29
Tetrahydrofuran
Concen: 0.532 ug/l
RT: 5.019 min Scan# 643
Delta R.T. 0.012 min
Lab File: VX032243.D
Acq: 20 Oct 2022 05:41

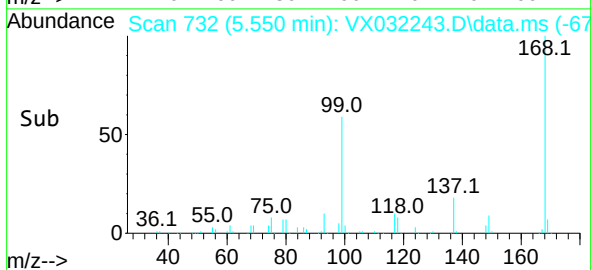
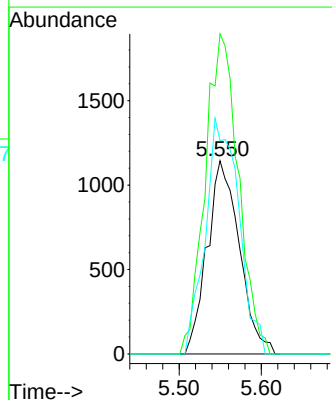
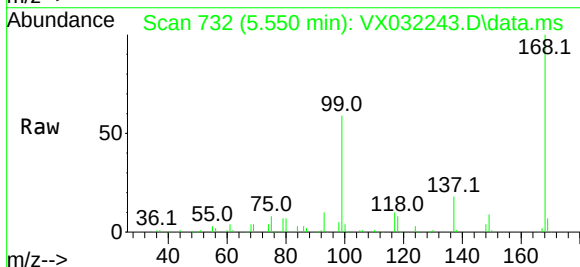
Instrument :
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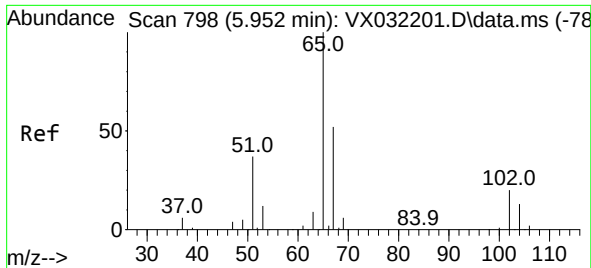
Tgt Ion: 42 Resp: 316
Ion Ratio Lower Upper
42 100
72 0.0 37.5 56.3#
71 55.1 34.7 52.1#



#31
Cyclohexane
Concen: 1.502 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX032243.D
Acq: 20 Oct 2022 05:41

Tgt Ion: 56 Resp: 3116
Ion Ratio Lower Upper
56 100
69 165.6 25.4 38.0#
84 110.4 71.2 106.8#





#33

1,2-Dichloroethane-d4

Concen: 54.813 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX032243.D

Acq: 20 Oct 2022 05:41

Instrument :

MSVOA_X

ClientSampleId :

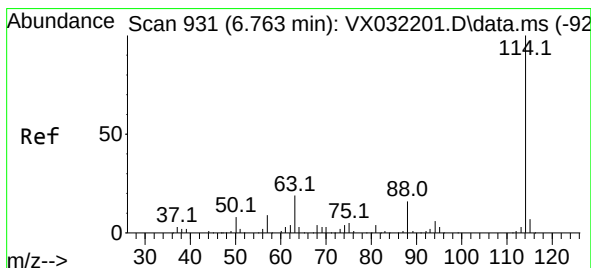
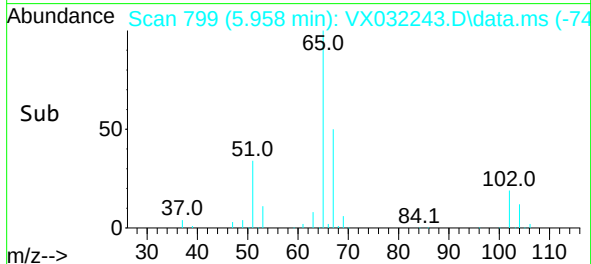
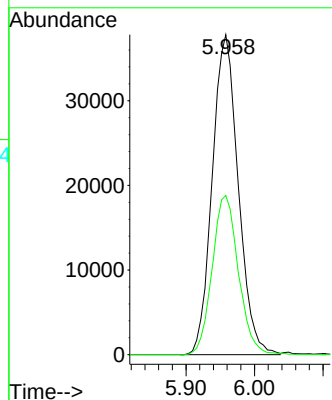
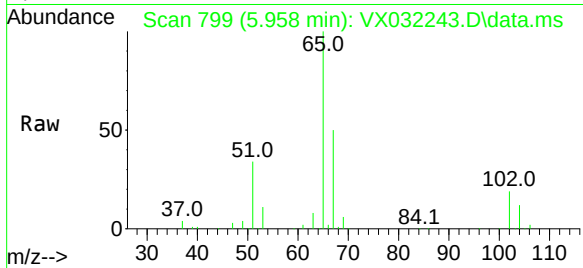
PB148361ZHE#09

Tgt Ion: 65 Resp: 99477

Ion Ratio Lower Upper

65 100

67 50.1 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: VX032243.D

Acq: 20 Oct 2022 05:41

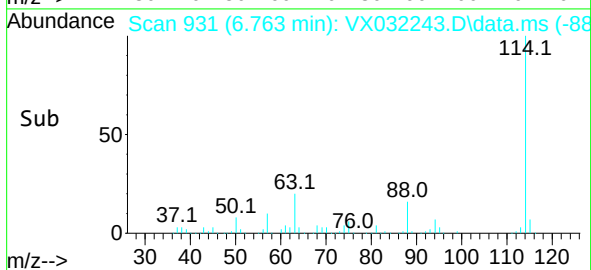
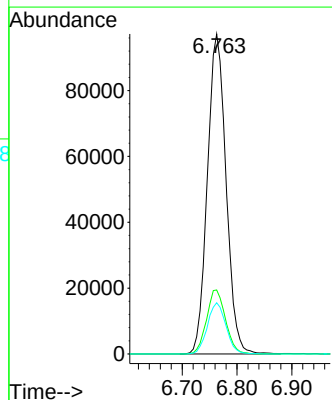
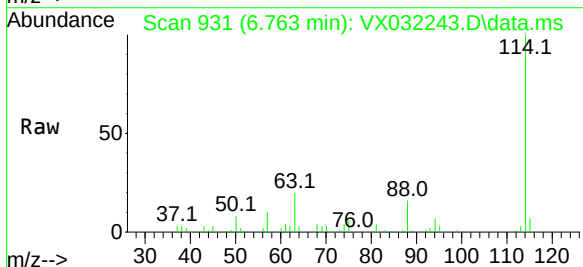
Tgt Ion: 114 Resp: 229682

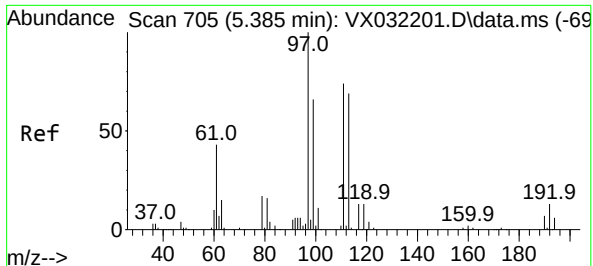
Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.6

88 16.0 0.0 32.6

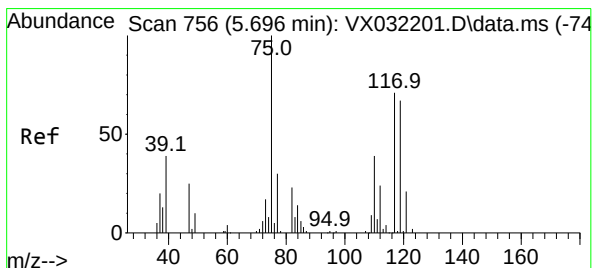
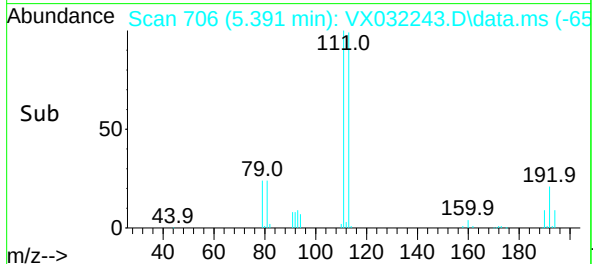
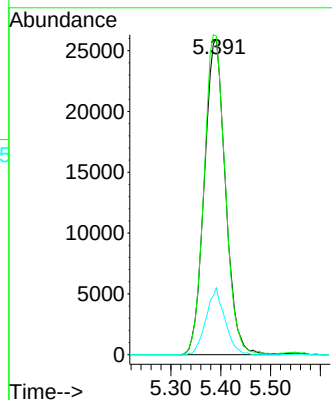
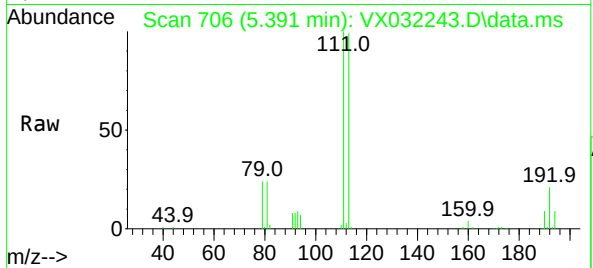




#35
Dibromofluoromethane
Concen: 47.734 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX032243.D
Acq: 20 Oct 2022 05:41

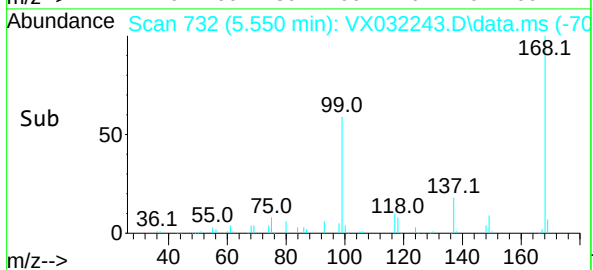
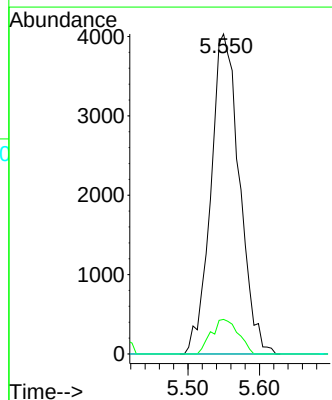
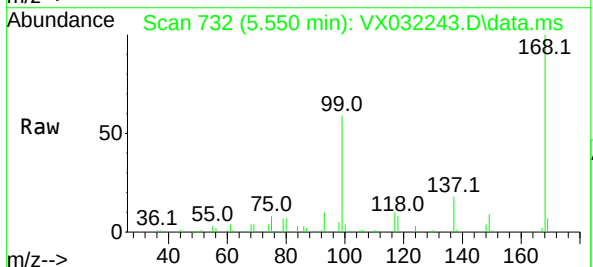
Instrument :
MSVOA_X
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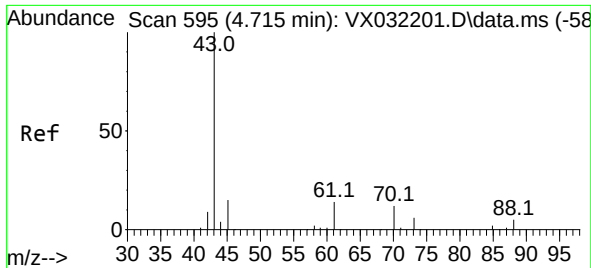
Tgt Ion:113 Resp: 76292
Ion Ratio Lower Upper
113 100
111 101.6 82.8 124.2
192 18.9 15.5 23.3



#36
1,1-Dichloropropene
Concen: 5.453 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX032243.D
Acq: 20 Oct 2022 05:41

Tgt Ion: 75 Resp: 11212
Ion Ratio Lower Upper
75 100
110 10.2 18.4 55.0#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 9.218 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX032243.D

Acq: 20 Oct 2022 05:41

Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#09

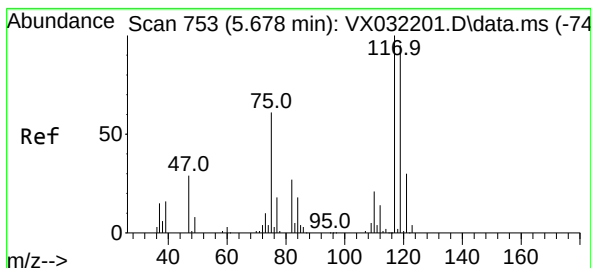
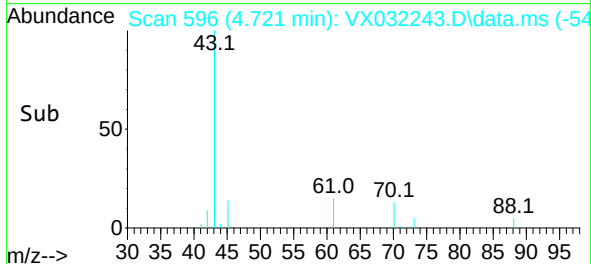
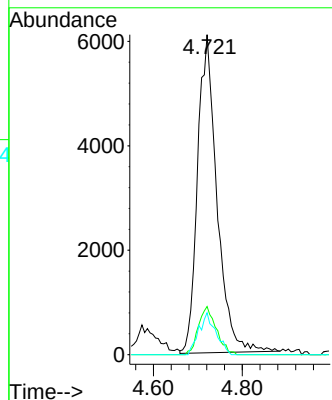
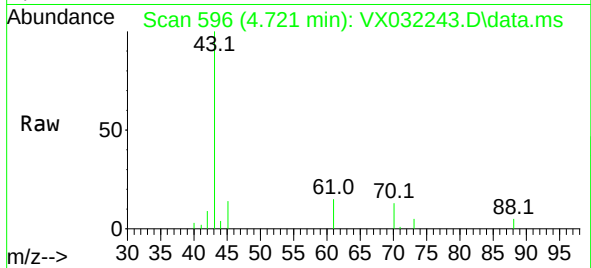
Tgt Ion: 43 Resp: 18556

Ion Ratio Lower Upper

43 100

61 13.9 11.4 17.2

70 11.4 8.8 13.2



#38

Carbon Tetrachloride

Concen: 6.787 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX032243.D

Acq: 20 Oct 2022 05:41

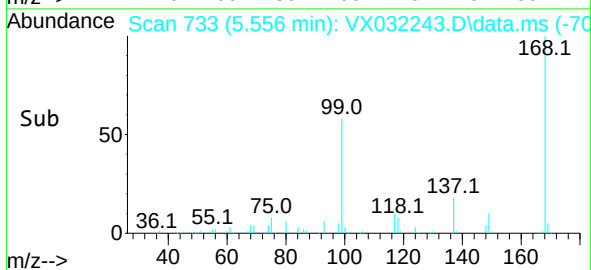
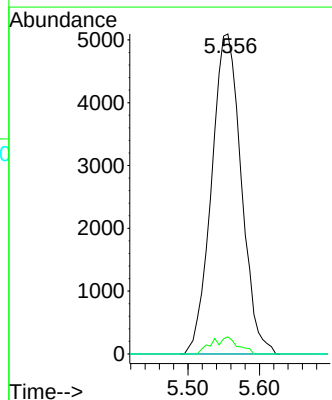
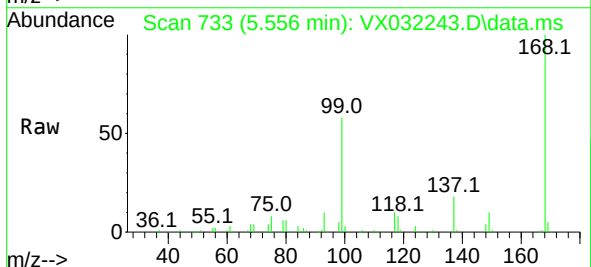
Tgt Ion: 117 Resp: 14731

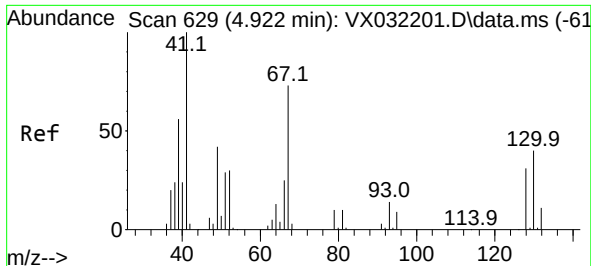
Ion Ratio Lower Upper

117 100

119 5.3 75.4 113.0#

121 0.0 23.9 35.9#

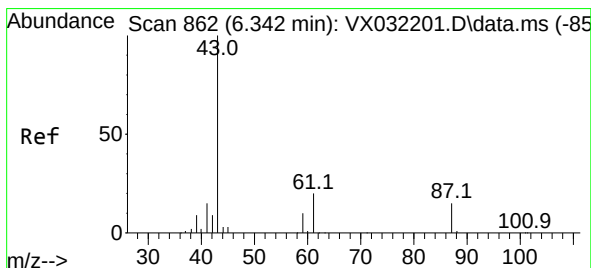
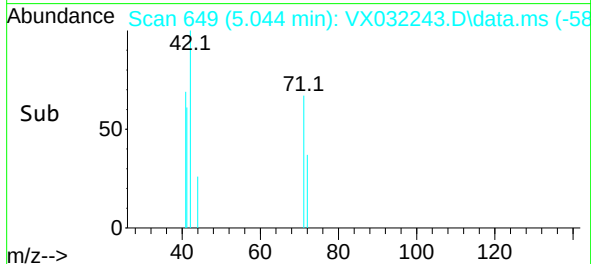
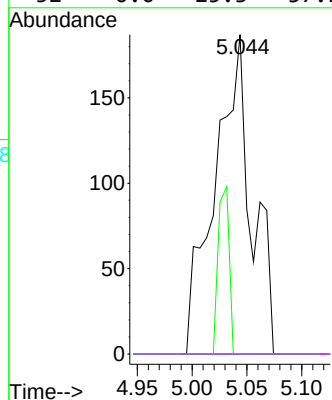
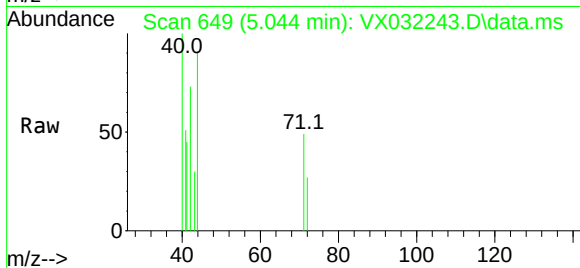




#41
Methacrylonitrile
Concen: 0.411 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.122 min
Lab File: VX032243.D
Acq: 20 Oct 2022 05:41

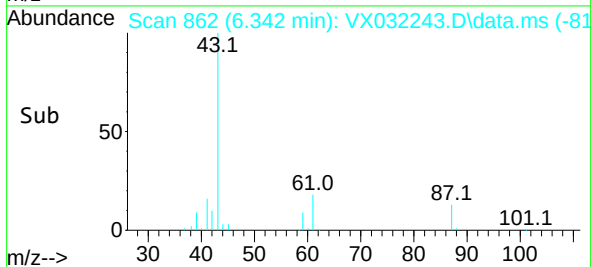
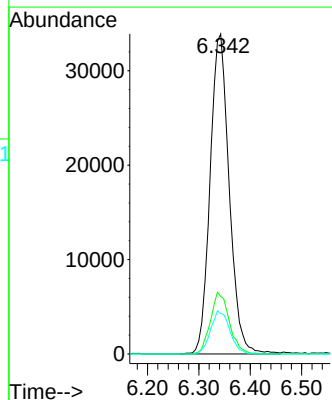
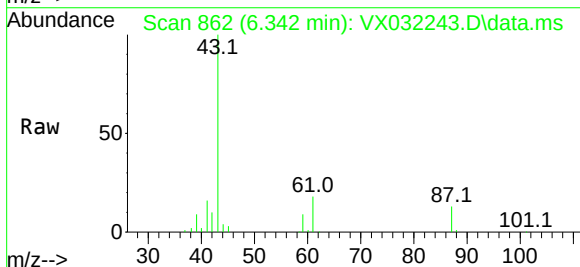
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#09

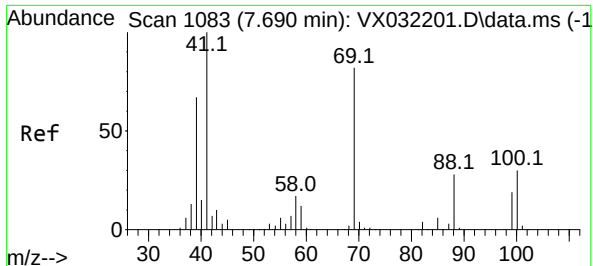
Tgt Ion: 41 Resp: 436
Ion Ratio Lower Upper
41 100
39 15.6 45.5 68.3#
67 0.0 59.4 89.2#
52 0.0 25.3 37.9#



#43
Isopropyl Acetate
Concen: 27.717 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX032243.D
Acq: 20 Oct 2022 05:41

Tgt Ion: 43 Resp: 87570
Ion Ratio Lower Upper
43 100
61 19.1 15.5 23.3
87 13.4 11.0 16.6





#48

Methyl methacrylate

Concen: 50.634 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.109 min

Lab File: VX032243.D

Acq: 20 Oct 2022 05:41

Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#09

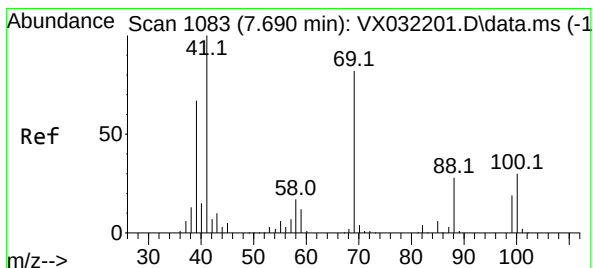
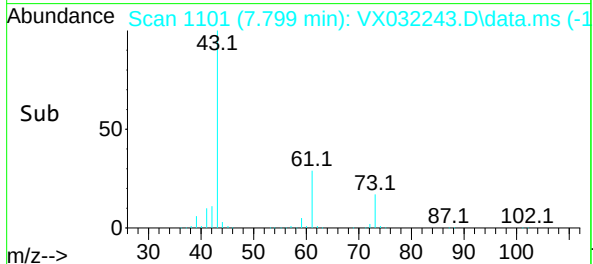
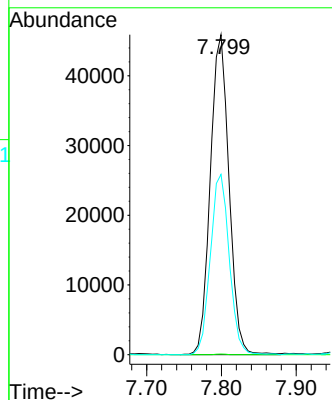
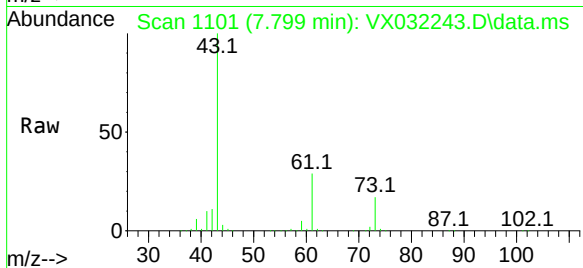
Tgt Ion: 41 Resp: 79783

Ion Ratio Lower Upper

41 100

69 0.1 67.3 100.9#

39 57.1 53.8 80.8



#49

1,4-Dioxane

Concen: 1.486 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.103 min

Lab File: VX032243.D

Acq: 20 Oct 2022 05:41

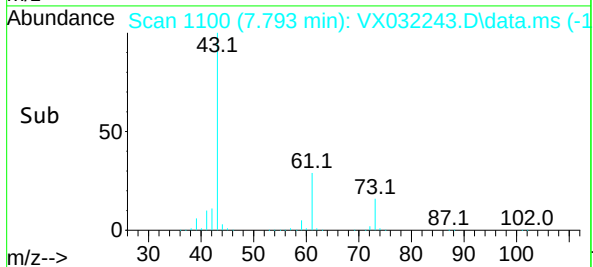
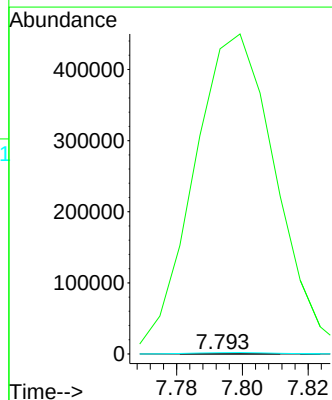
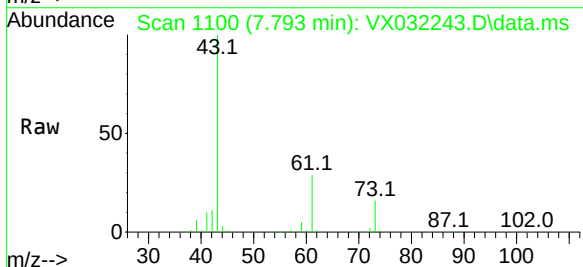
Tgt Ion: 88 Resp: 47

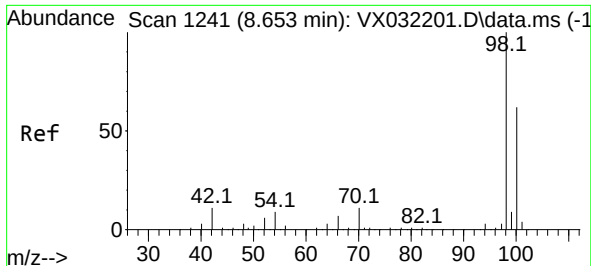
Ion Ratio Lower Upper

88 100

43 1689723.4 26.9 40.3#

58 7238.3 50.7 76.1#

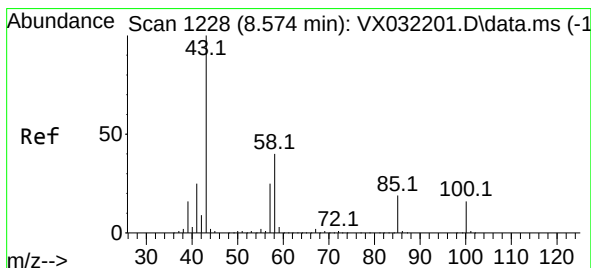
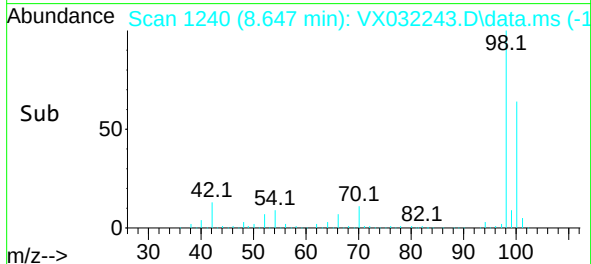
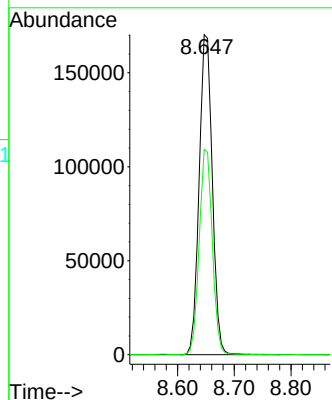
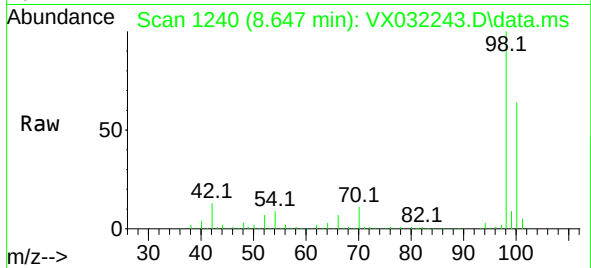




#50
Toluene-d8
Concen: 47.683 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX032243.D
Acq: 20 Oct 2022 05:41

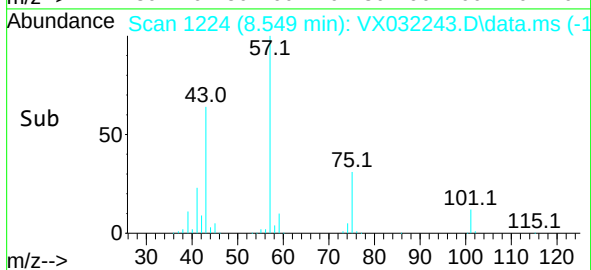
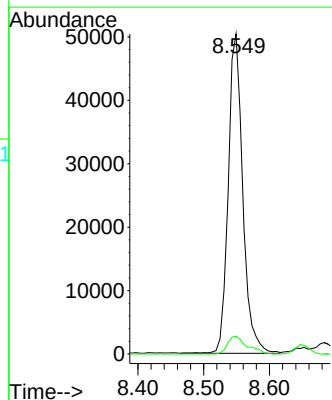
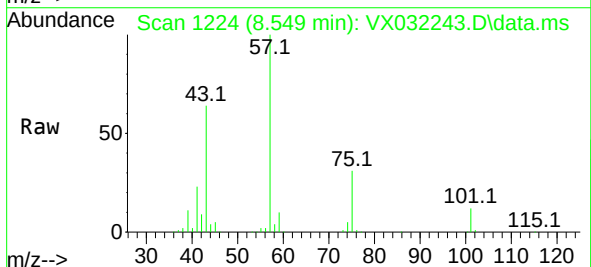
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#09

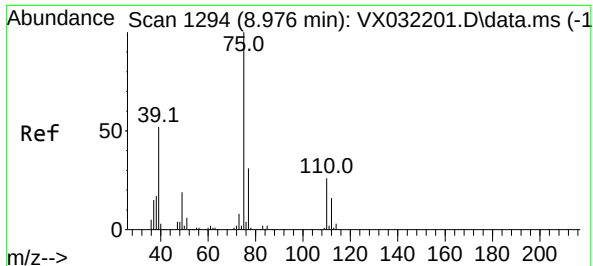
Tgt Ion: 98 Resp: 274333
Ion Ratio Lower Upper
98 100
100 63.9 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 39.141 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX032243.D
Acq: 20 Oct 2022 05:41

Tgt Ion: 43 Resp: 77519
Ion Ratio Lower Upper
43 100
58 7.4 31.0 46.4#





#53

t-1,3-Dichloropropene

Concen: 2.053 ug/l

RT: 8.951 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX032243.D

Acq: 20 Oct 2022 05:41

Instrument :

MSVOA_X

ClientSampleId :

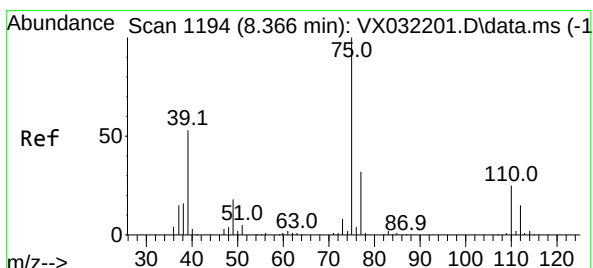
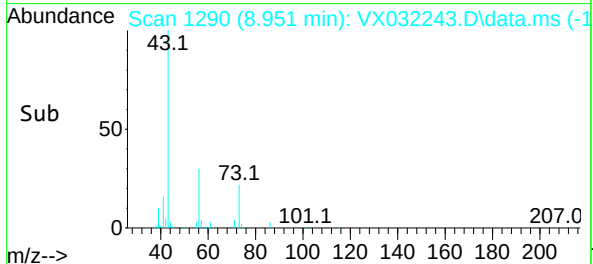
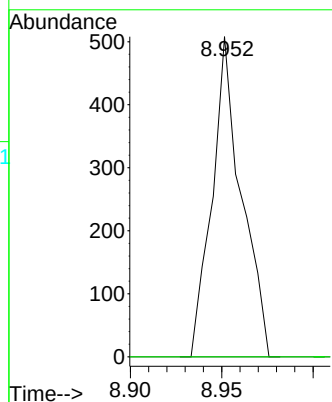
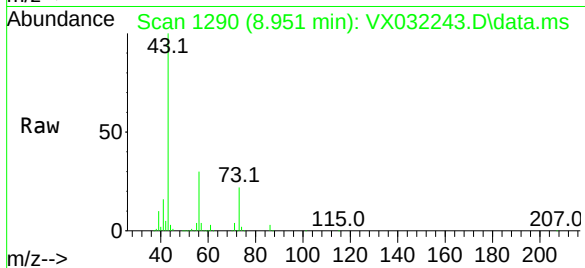
PB148361ZHE#09

Tgt Ion: 75 Resp: 567

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#



#54

cis-1,3-Dichloropropene

Concen: 14.778 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX032243.D

Acq: 20 Oct 2022 05:41

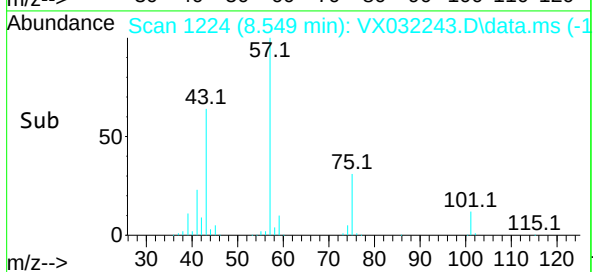
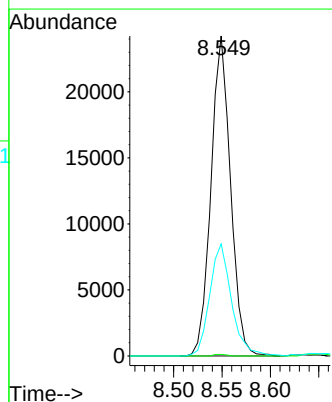
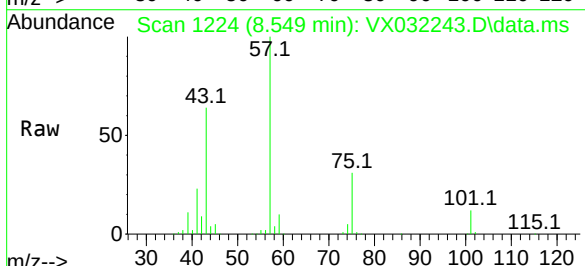
Tgt Ion: 75 Resp: 34105

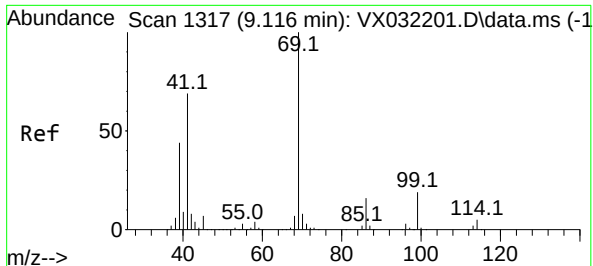
Ion Ratio Lower Upper

75 100

77 0.5 25.3 37.9#

39 35.0 42.4 63.6#

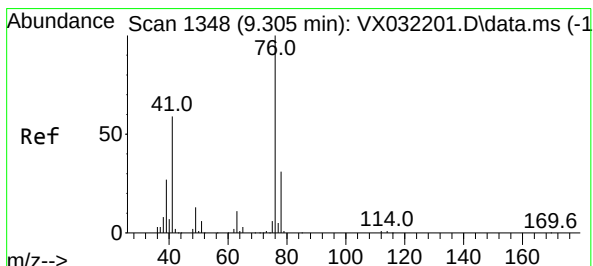
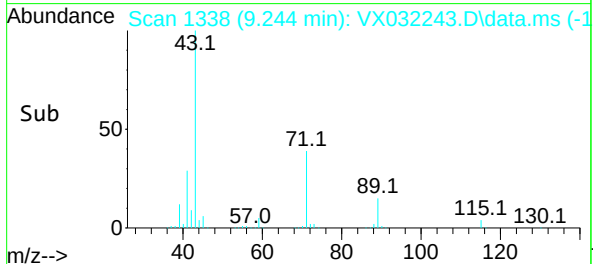
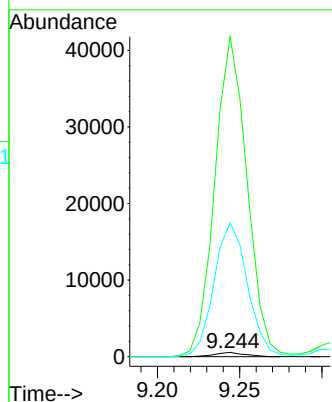
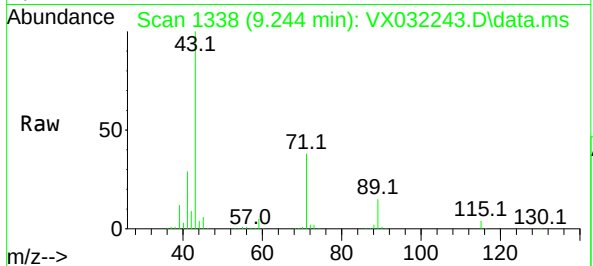




#56
Ethyl methacrylate
Concen: 0.313 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.128 min
Lab File: VX032243.D
Acq: 20 Oct 2022 05:41

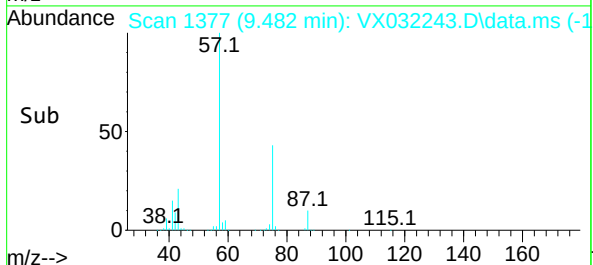
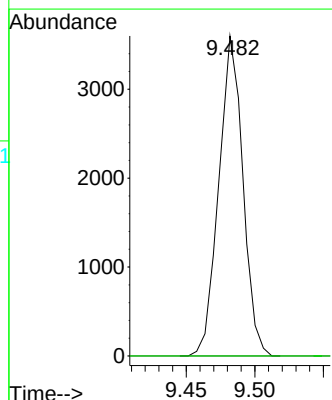
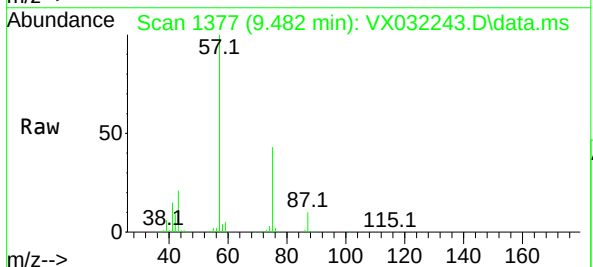
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#09

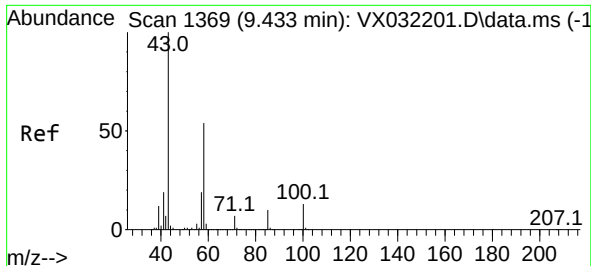
Tgt Ion: 69 Resp: 706
Ion Ratio Lower Upper
69 100
41 8055.2 54.5 81.7#
39 3501.4 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 1.730 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX032243.D
Acq: 20 Oct 2022 05:41

Tgt Ion: 76 Resp: 4394
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 41.573 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX032243.D

Acq: 20 Oct 2022 05:41

Instrument :

MSVOA_X

ClientSampleId :

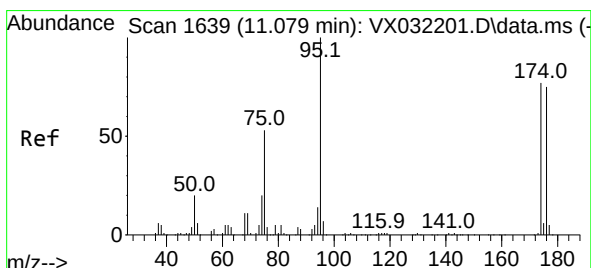
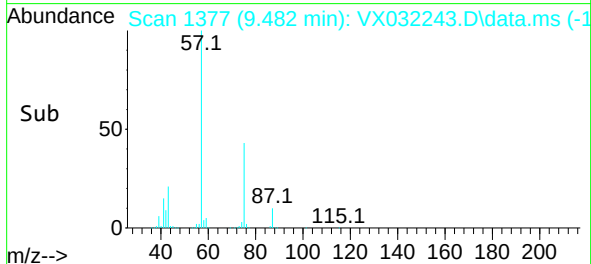
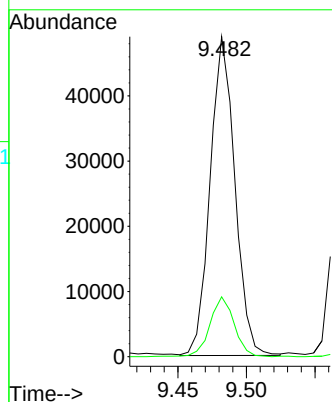
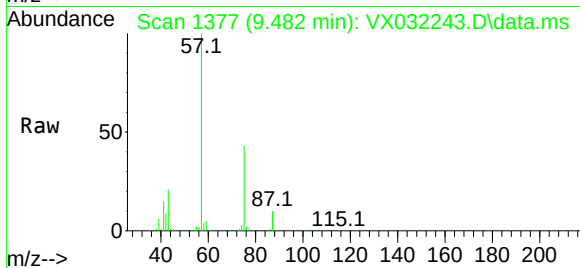
PB148361ZHE#09

Tgt Ion: 43 Resp: 61436

Ion Ratio Lower Upper

43 100

58 18.5 26.7 80.1#



#62

4-Bromofluorobenzene

Concen: 47.509 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032243.D

Acq: 20 Oct 2022 05:41

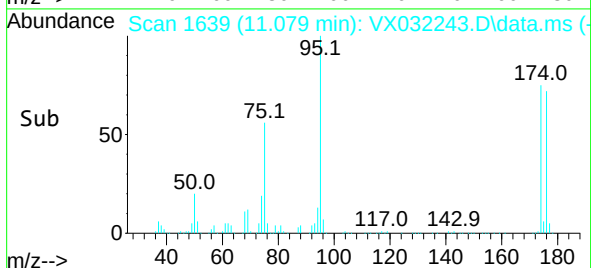
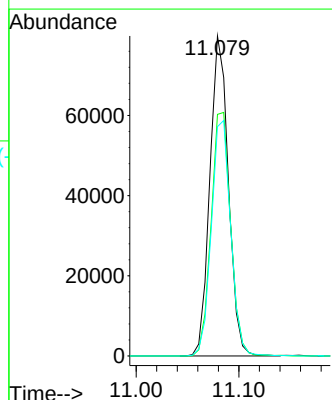
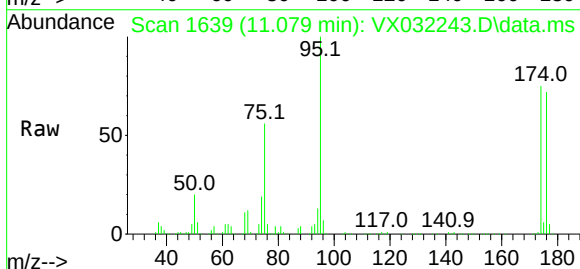
Tgt Ion: 95 Resp: 100090

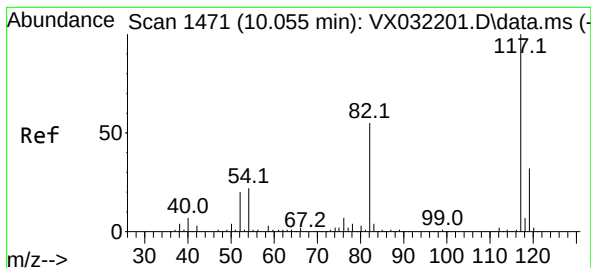
Ion Ratio Lower Upper

95 100

174 80.1 0.0 166.8

176 76.9 0.0 161.4

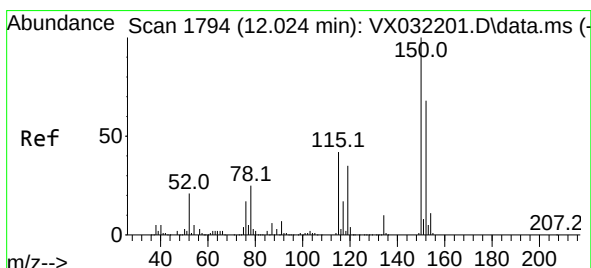
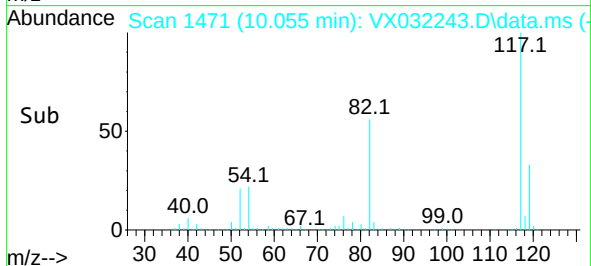
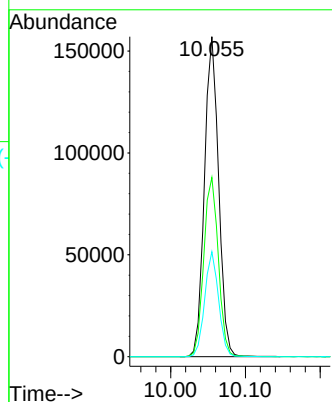
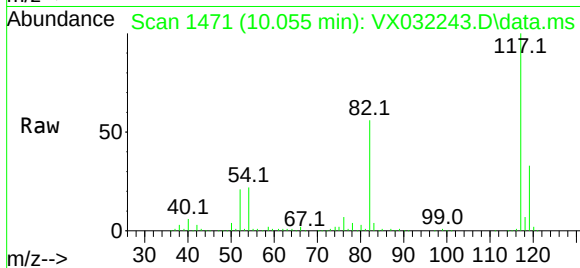




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032243.D
Acq: 20 Oct 2022 05:41

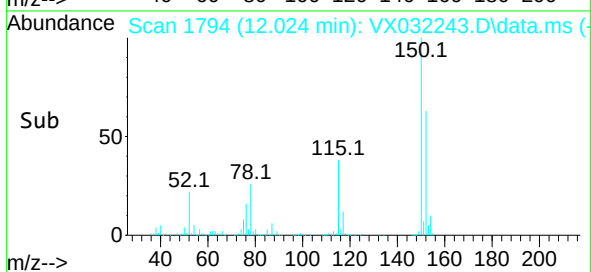
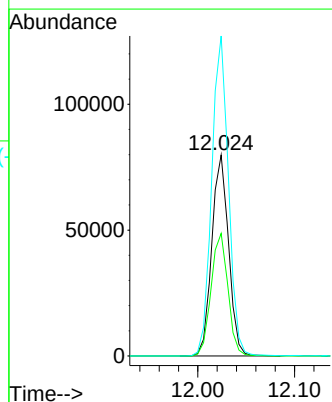
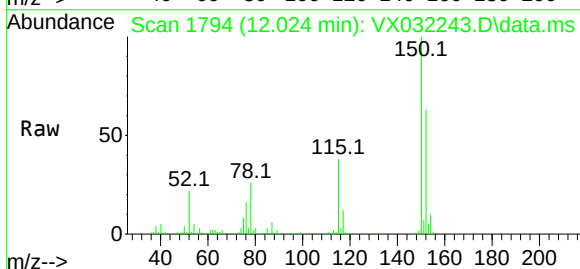
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#09

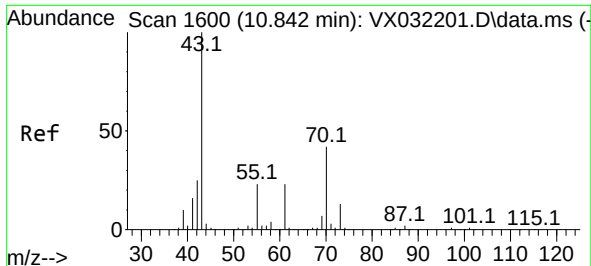
Tgt Ion:117 Resp: 206879
Ion Ratio Lower Upper
117 100
82 56.0 44.2 66.4
119 32.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032243.D
Acq: 20 Oct 2022 05:41

Tgt Ion:152 Resp: 96012
Ion Ratio Lower Upper
152 100
115 61.2 43.1 129.4
150 158.7 0.0 348.6

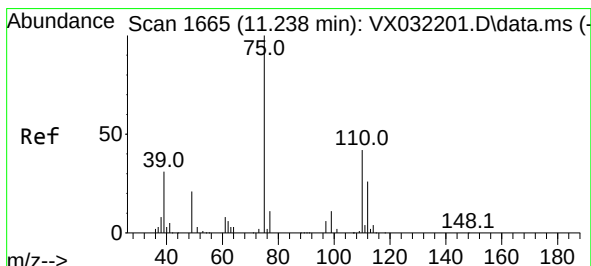
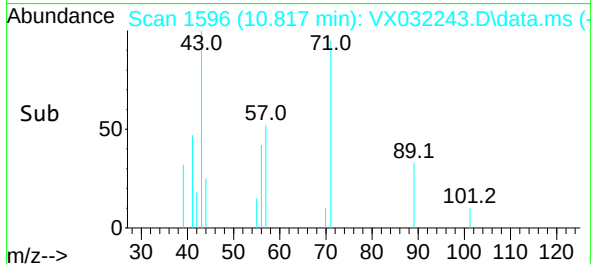
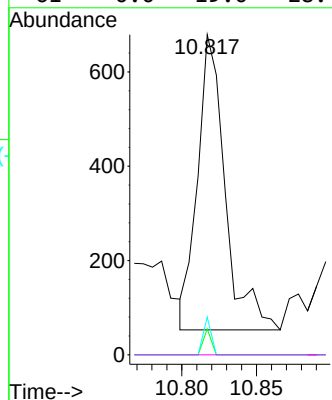
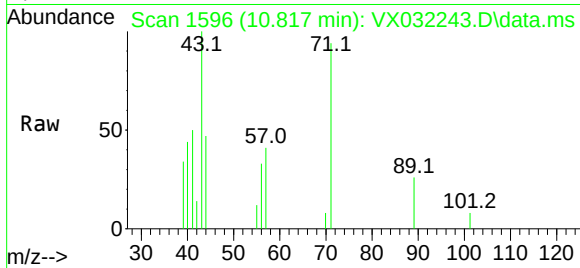




#74
N-amy1 acetate
Concen: 0.317 ug/l
RT: 10.817 min Scan# 1639
Delta R.T. -0.025 min
Lab File: VX032243.D
Acq: 20 Oct 2022 05:41

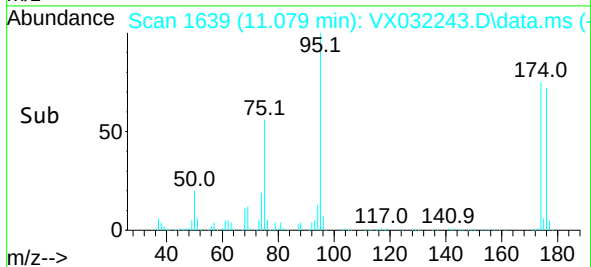
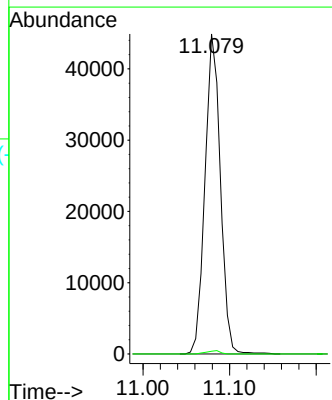
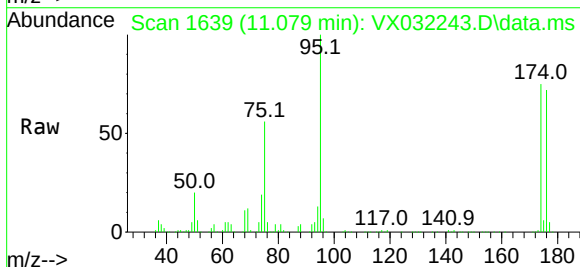
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#09

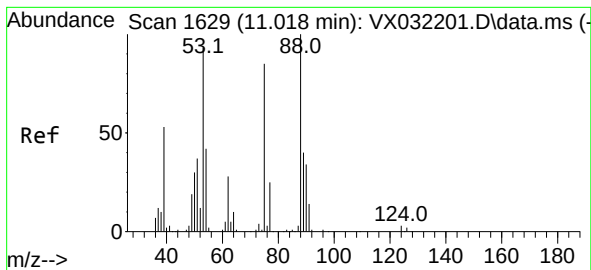
Tgt Ion: 43	Resp: 802
Ion Ratio	Lower Upper
43 100	
70 0.0	33.9 50.9#
55 0.0	19.1 28.7#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 29.170 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032243.D
Acq: 20 Oct 2022 05:41

Tgt Ion: 75	Resp: 55494
Ion Ratio	Lower Upper
75 100	
77 0.9	16.0 47.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.344 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX032243.D
 Acq: 20 Oct 2022 05:41

Instrument :
 MSVOA_X
 ClientSampleId :
 PB148361ZHE#09

Tgt Ion: 75 Resp: 55494
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.8 131.8#
 89 0.0 37.8 56.8#

