

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032246.D
 Acq On : 20 Oct 2022 06:51
 Operator : JC/MD
 Sample : PB148361ZHE#12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB148361ZHE#12

Quant Time: Oct 20 13:13:24 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)

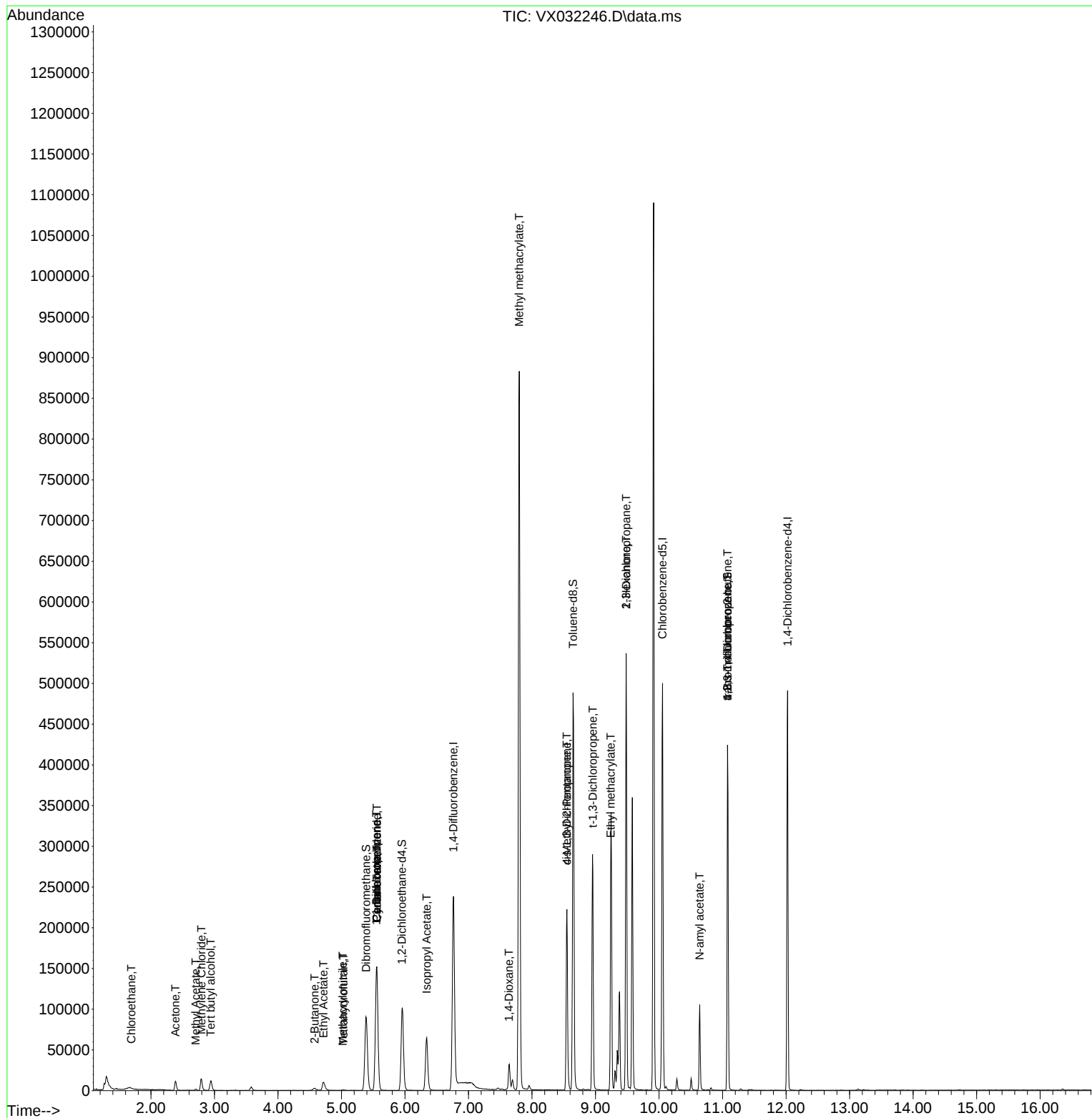
Internal Standards						
1) Pentafluorobenzene	5.556	168	142236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	233420	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	212523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	103664	56.024	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	112.040%
35) Dibromofluoromethane	5.385	113	77720	47.849	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.700%
50) Toluene-d8	8.647	98	287417	49.157	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.320%
62) 4-Bromofluorobenzene	11.079	95	104356	48.740	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.480%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	1105	Below Cal	#	44
6) Chloroethane	1.691	64	89	2.014	ug/l #	41
11) Tert butyl alcohol	2.940	59	7239	5.162	ug/l #	77
16) Acetone	2.386	43	13800	22.982	ug/l	91
18) Methyl Acetate	2.703	43	2221	1.089	ug/l #	80
20) Methylene Chloride	2.794	84	7247	4.700	ug/l	91
25) 2-Butanone	4.574	43	2024	2.159	ug/l #	89
29) Tetrahydrofuran	5.032	42	395	0.652	ug/l #	62
31) Cyclohexane	5.556	56	3391	1.603	ug/l #	44
36) 1,1-Dichloropropene	5.550	75	10901	5.217	ug/l #	51
37) Ethyl Acetate	4.715	43	17888	8.744	ug/l	97
38) Carbon Tetrachloride	5.556	117	14674	6.653	ug/l #	18
41) Methacrylonitrile	5.019	41	354	0.328	ug/l #	33
43) Isopropyl Acetate	6.342	43	88940	27.700	ug/l	98
48) Methyl methacrylate	7.799	41	81316	50.781	ug/l #	42
49) 1,4-Dioxane	7.635	88	21	0.653	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	77309	38.410	ug/l #	48
53) t-1,3-Dichloropropene	8.958	75	597	2.061	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	34262	14.609	ug/l #	64
56) Ethyl methacrylate	9.238	69	778	0.339	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4559	1.766	ug/l #	42
59) 2-Hexanone	9.482	43	62578	41.668	ug/l #	51
74) N-amyl acetate	10.640	43	25322	9.854	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	57370	29.703	ug/l #	45
81) trans-1,4-Dichloro-2-b...	11.079	75	57370	90.924	ug/l #	6

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

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Quant Time: Oct 20 13:13:24 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

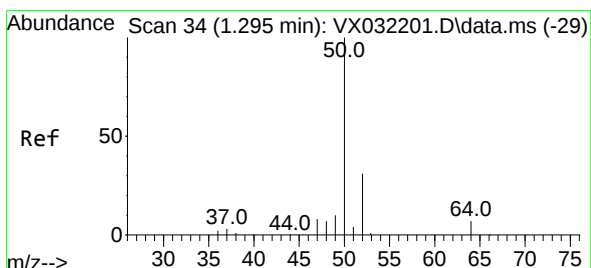
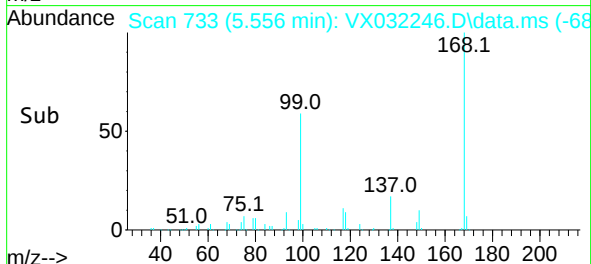
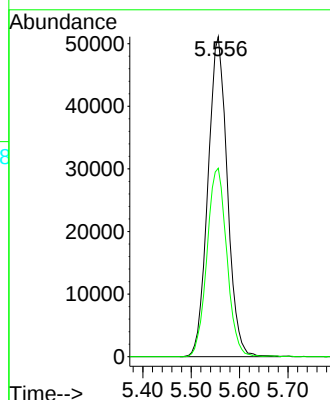
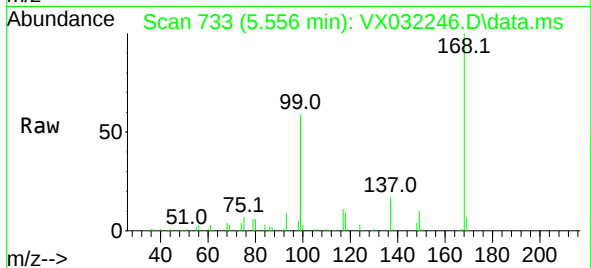




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032246.D
Acq: 20 Oct 2022 06:51

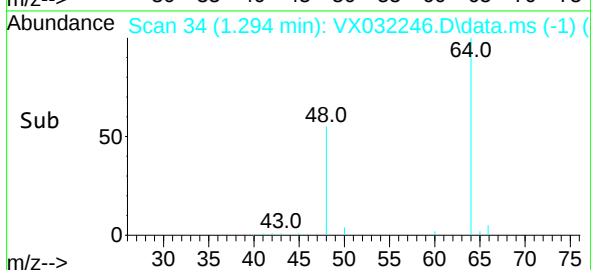
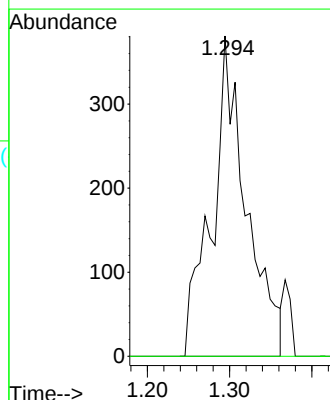
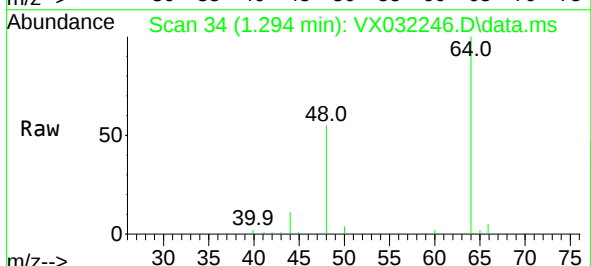
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#12

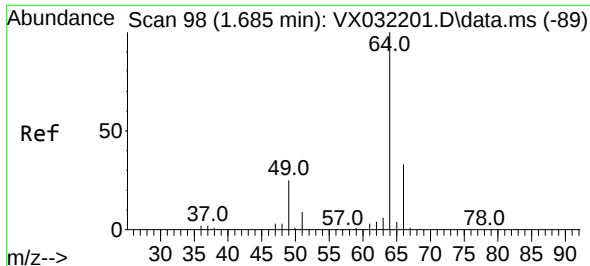
Tgt Ion:168 Resp: 142236
Ion Ratio Lower Upper
168 100
99 58.9 44.8 67.2



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX032246.D
Acq: 20 Oct 2022 06:51

Tgt Ion: 50 Resp: 1105
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#

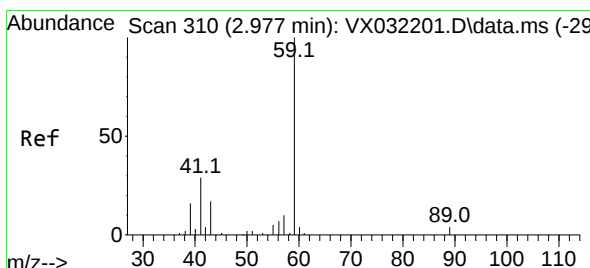
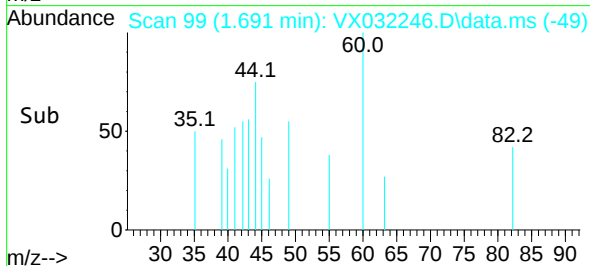
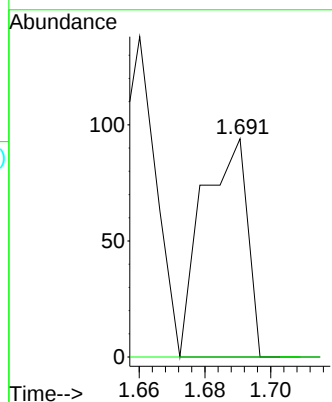
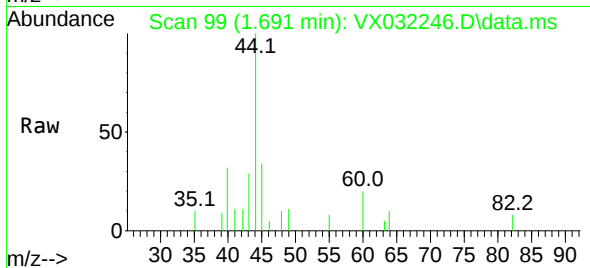




#6
Chloroethane
Concen: 2.014 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX032246.D
Acq: 20 Oct 2022 06:51

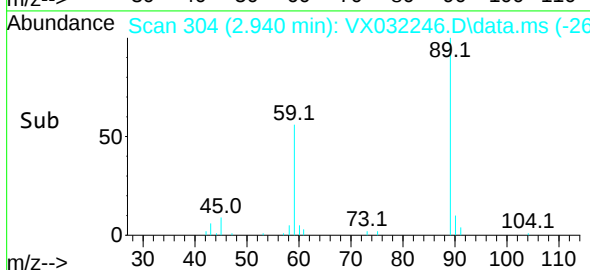
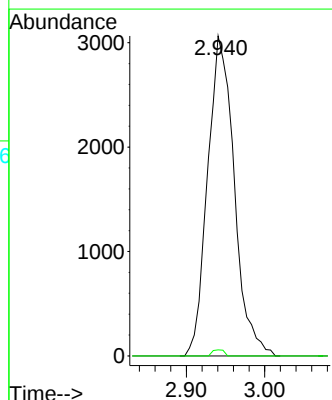
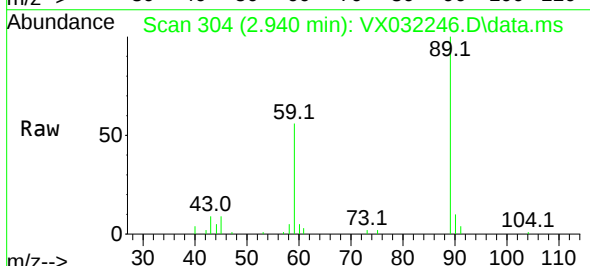
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#12

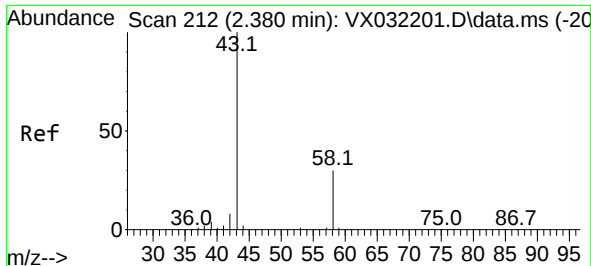
Tgt Ion: 64 Resp: 89
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: 5.162 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX032246.D
Acq: 20 Oct 2022 06:51

Tgt Ion: 59 Resp: 7239
Ion Ratio Lower Upper
59 100
57 0.8 7.5 11.3#

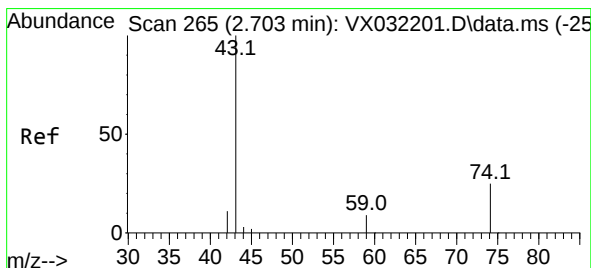
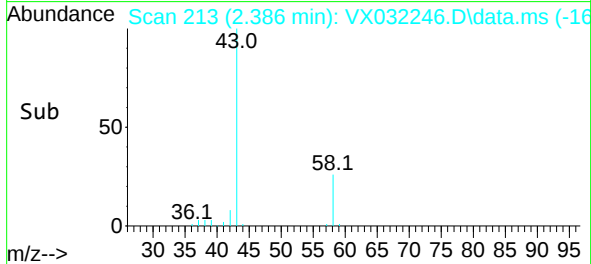
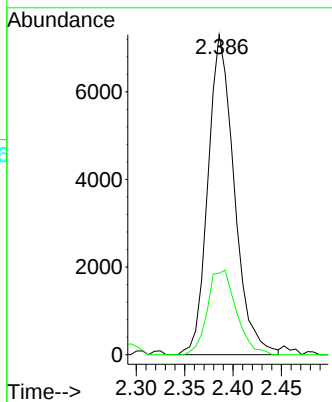
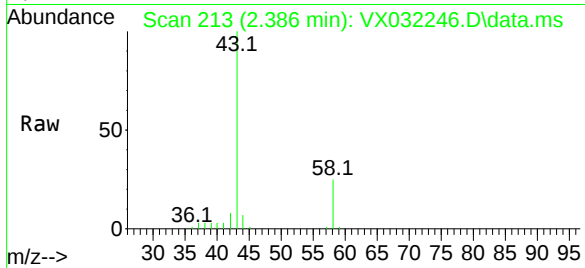




#16
Acetone
Concen: 22.982 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX032246.D
Acq: 20 Oct 2022 06:51

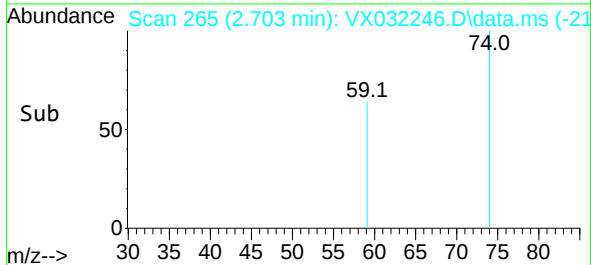
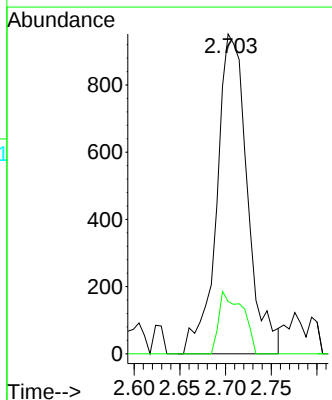
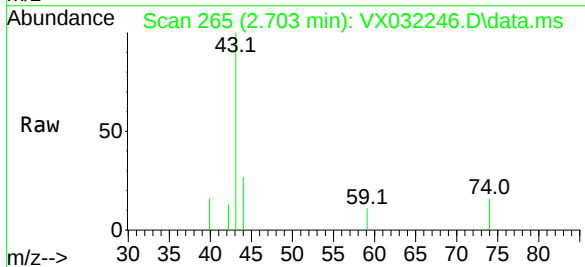
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#12

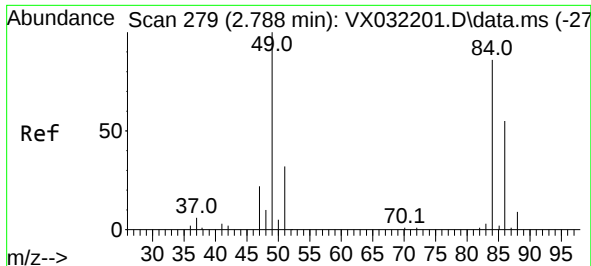
Tgt Ion: 43 Resp: 13800
Ion Ratio Lower Upper
43 100
58 25.5 24.2 36.2



#18
Methyl Acetate
Concen: 1.089 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX032246.D
Acq: 20 Oct 2022 06:51

Tgt Ion: 43 Resp: 2221
Ion Ratio Lower Upper
43 100
74 15.0 19.8 29.8#





#20

Methylene Chloride

Concen: 4.700 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX032246.D

Acq: 20 Oct 2022 06:51

Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#12

Tgt Ion: 84 Resp: 7247

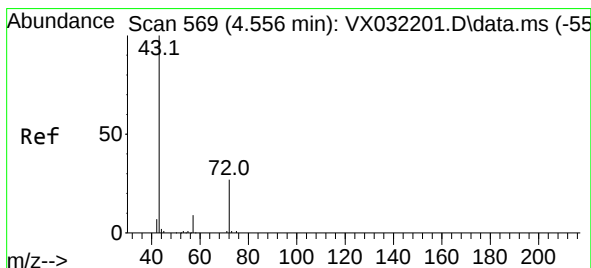
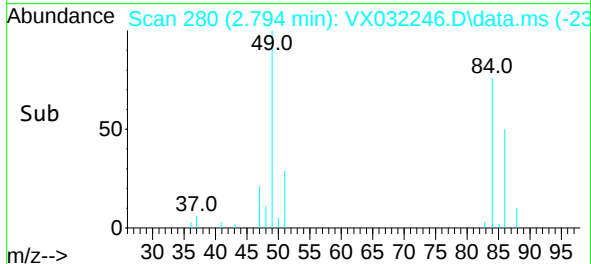
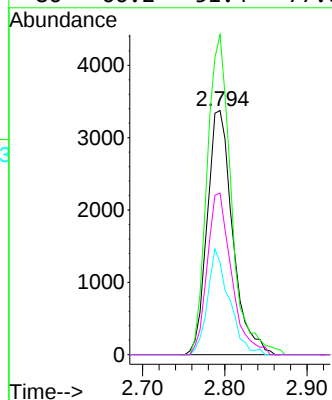
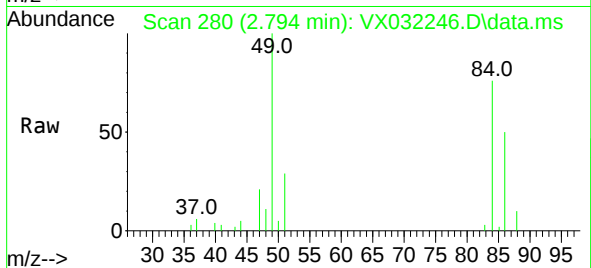
Ion Ratio Lower Upper

84 100

49 131.0 92.6 139.0

51 37.8 29.2 43.8

86 66.2 51.4 77.0



#25

2-Butanone

Concen: 2.159 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.018 min

Lab File: VX032246.D

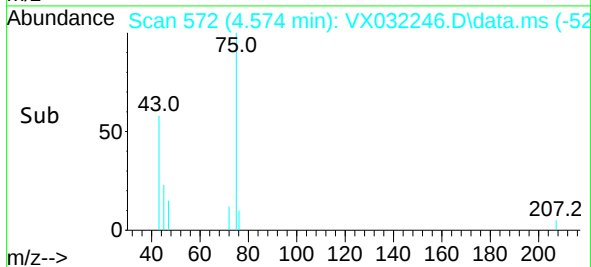
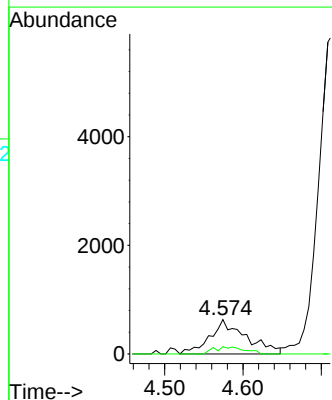
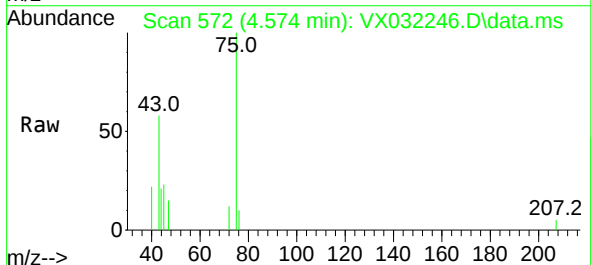
Acq: 20 Oct 2022 06:51

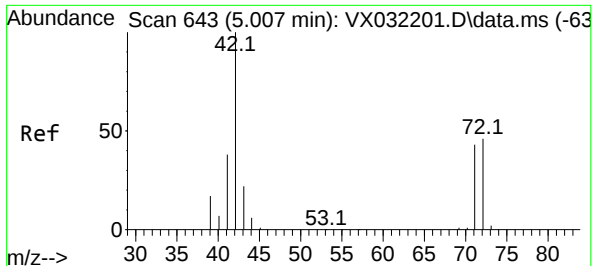
Tgt Ion: 43 Resp: 2024

Ion Ratio Lower Upper

43 100

72 21.5 21.7 32.5#





#29

Tetrahydrofuran

Concen: 0.652 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX032246.D

Acq: 20 Oct 2022 06:51

Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#12

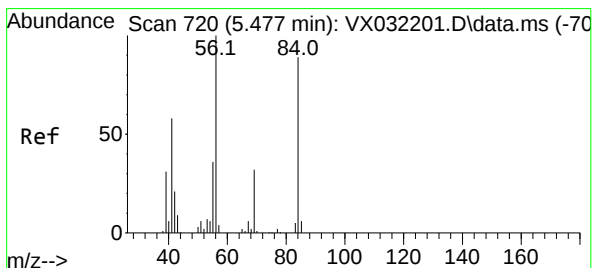
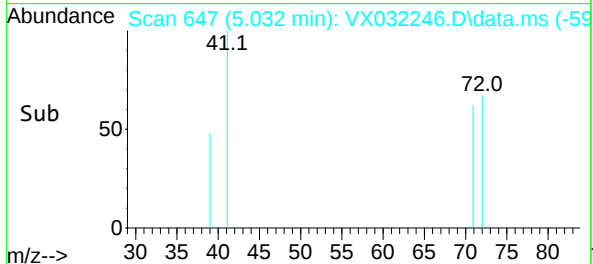
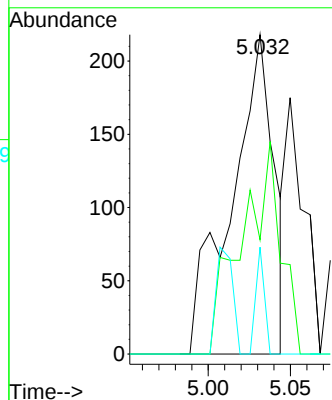
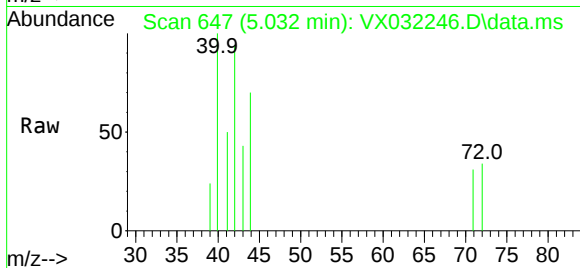
Tgt Ion: 42 Resp: 395

Ion Ratio Lower Upper

42 100

72 60.5 37.5 56.3#

71 6.8 34.7 52.1#



#31

Cyclohexane

Concen: 1.603 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX032246.D

Acq: 20 Oct 2022 06:51

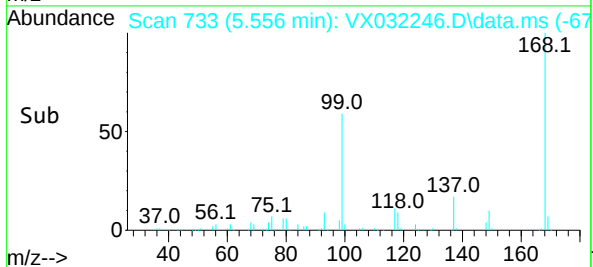
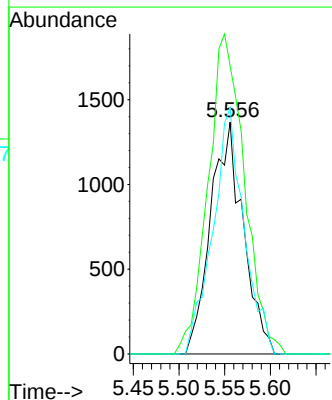
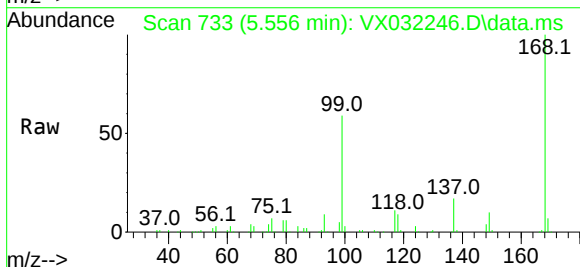
Tgt Ion: 56 Resp: 3391

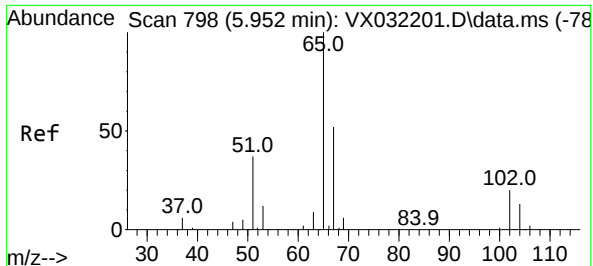
Ion Ratio Lower Upper

56 100

69 120.5 25.4 38.0#

84 106.2 71.2 106.8





#33

1,2-Dichloroethane-d4

Concen: 56.024 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX032246.D

Acq: 20 Oct 2022 06:51

Instrument :

MSVOA_X

ClientSampleId :

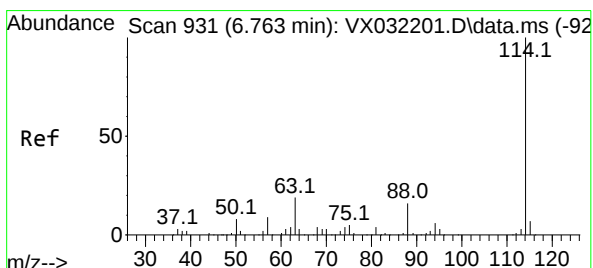
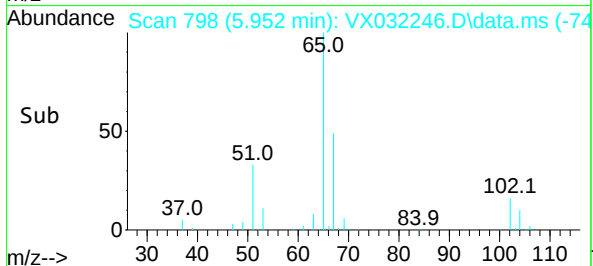
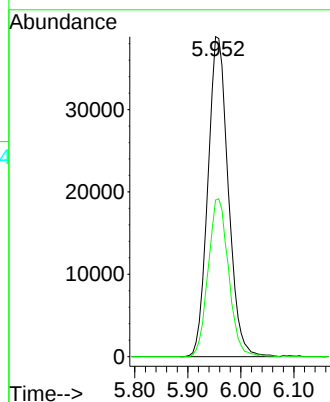
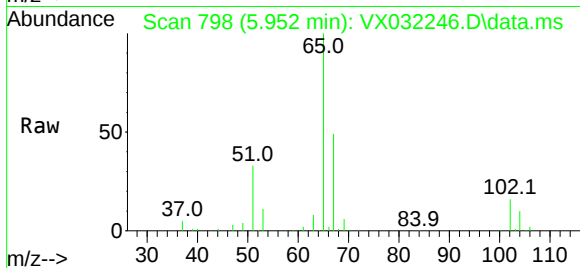
PB148361ZHE#12

Tgt Ion: 65 Resp: 103664

Ion Ratio Lower Upper

65 100

67 49.4 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: VX032246.D

Acq: 20 Oct 2022 06:51

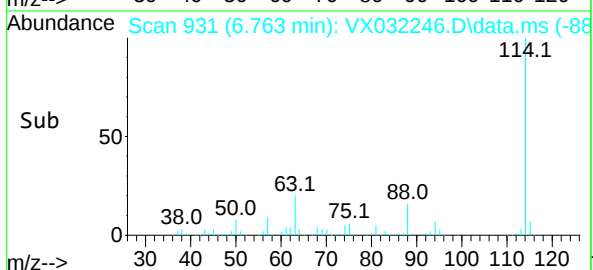
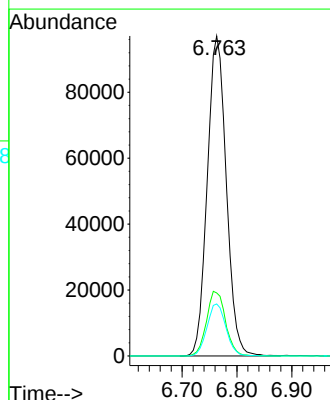
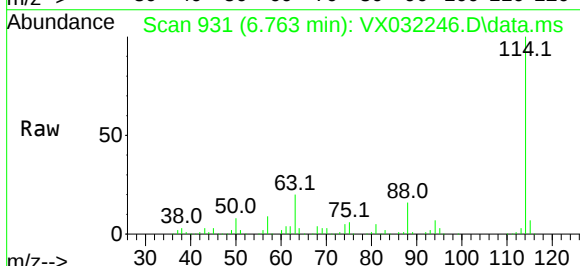
Tgt Ion: 114 Resp: 233420

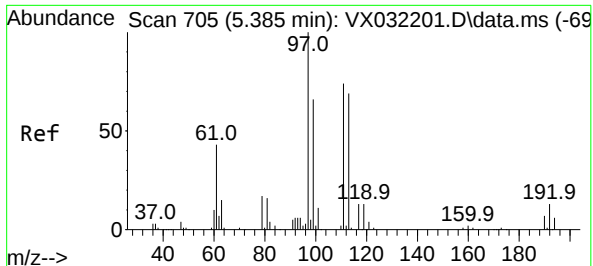
Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

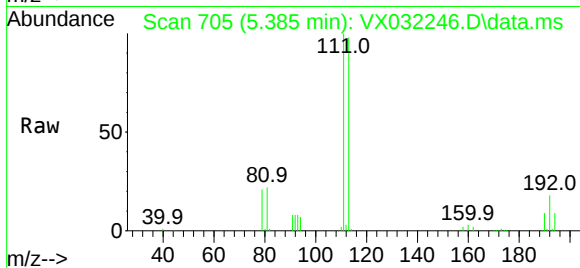
88 16.3 0.0 32.6



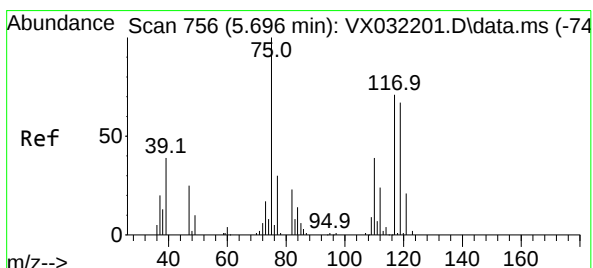
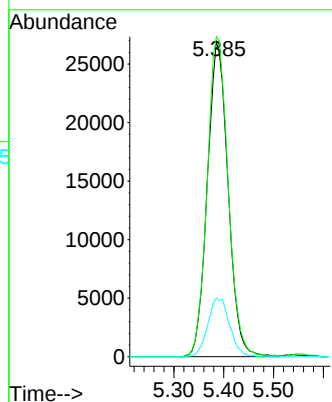
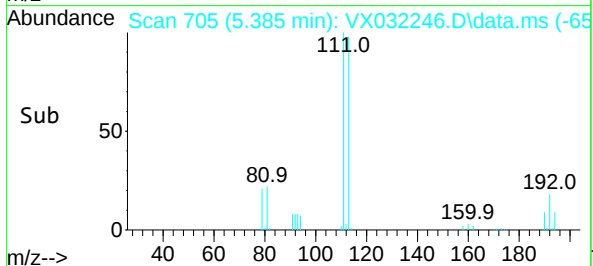


#35
Dibromofluoromethane
Concen: 47.849 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032246.D
Acq: 20 Oct 2022 06:51

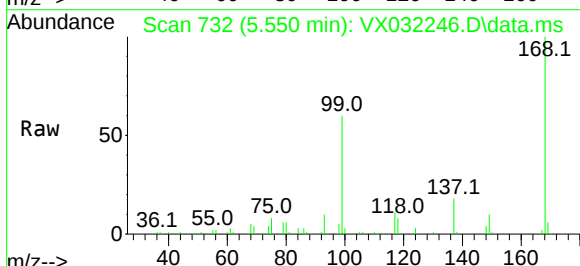
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#12



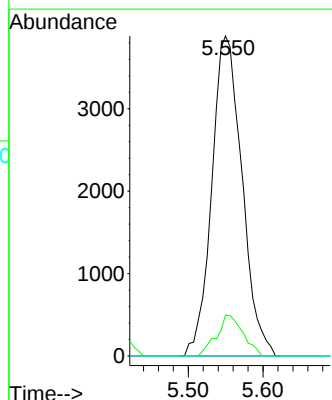
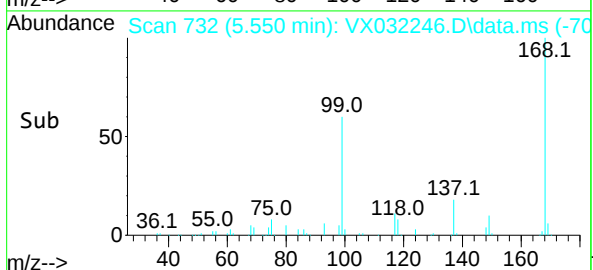
Tgt Ion:113 Resp: 77720
Ion Ratio Lower Upper
113 100
111 103.2 82.8 124.2
192 19.5 15.5 23.3

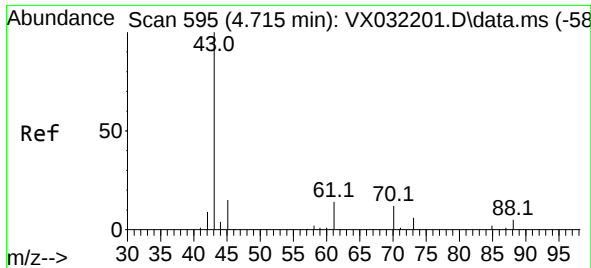


#36
1,1-Dichloropropene
Concen: 5.217 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX032246.D
Acq: 20 Oct 2022 06:51



Tgt Ion: 75 Resp: 10901
Ion Ratio Lower Upper
75 100
110 11.1 18.4 55.0#
77 0.0 24.7 37.1#

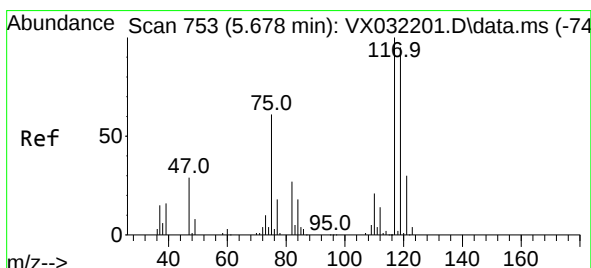
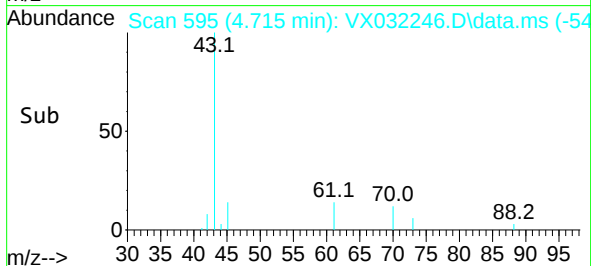
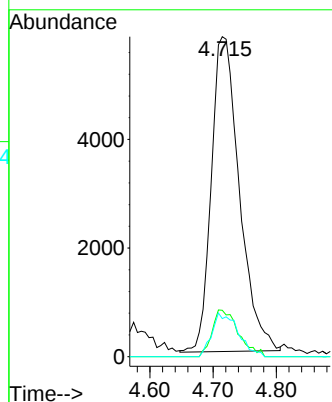
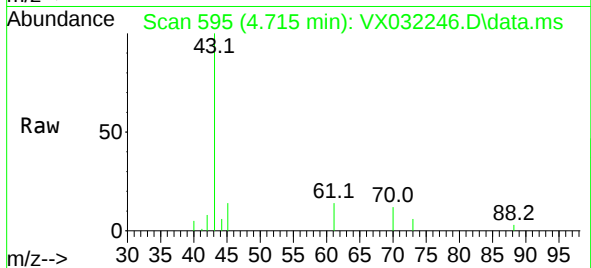




#37
Ethyl Acetate
Concen: 8.744 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX032246.D
Acq: 20 Oct 2022 06:51

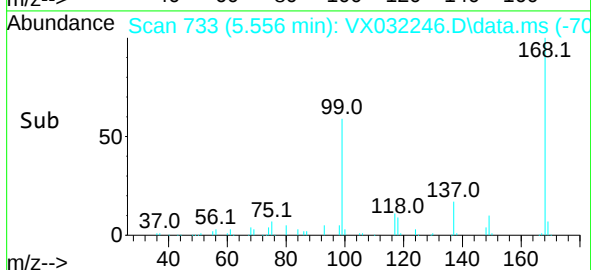
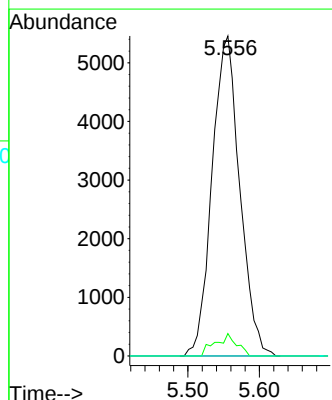
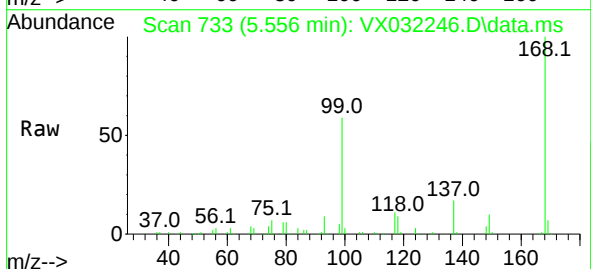
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#12

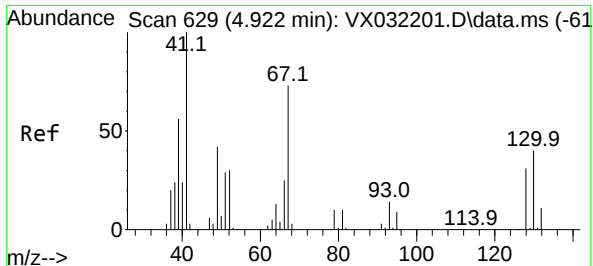
Tgt Ion: 43 Resp: 17888
Ion Ratio Lower Upper
43 100
61 13.8 11.4 17.2
70 12.9 8.8 13.2



#38
Carbon Tetrachloride
Concen: 6.653 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX032246.D
Acq: 20 Oct 2022 06:51

Tgt Ion: 117 Resp: 14674
Ion Ratio Lower Upper
117 100
119 7.0 75.4 113.0#
121 0.0 23.9 35.9#

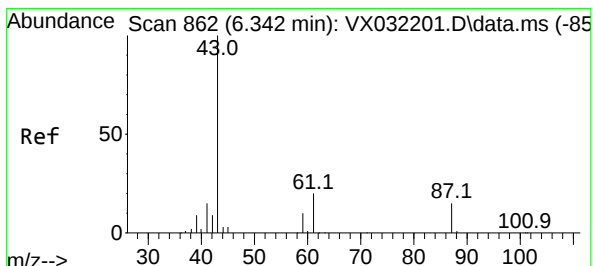
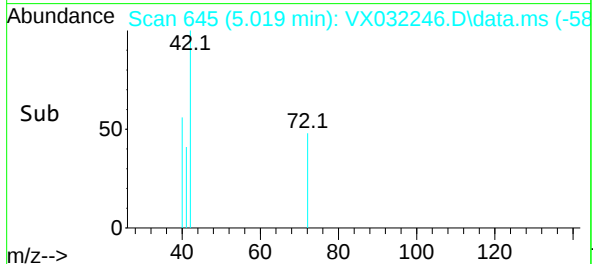
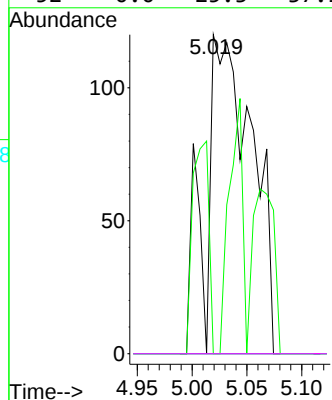
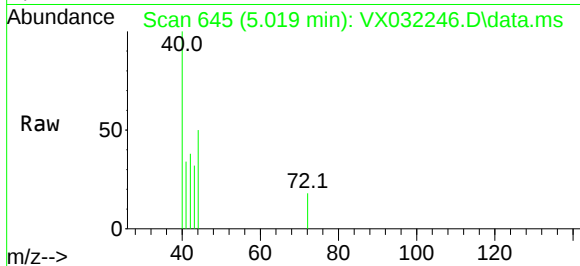




#41
Methacrylonitrile
Concen: 0.328 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.097 min
Lab File: VX032246.D
Acq: 20 Oct 2022 06:51

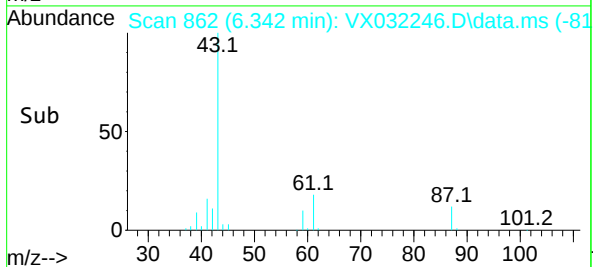
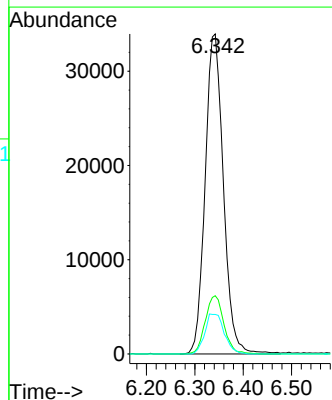
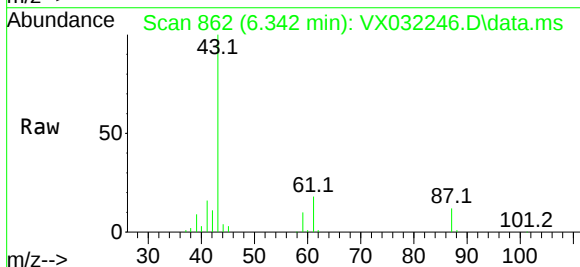
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#12

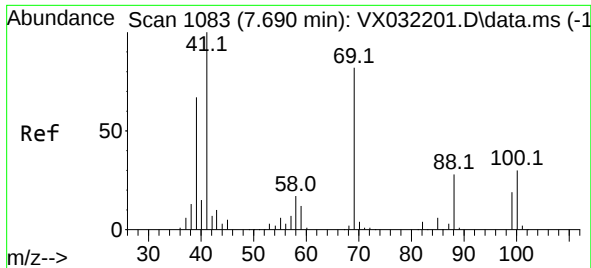
Tgt Ion: 41	Resp:	354
Ion	Ratio	Lower Upper
41	100	
39	23.2	45.5 68.3#
67	0.0	59.4 89.2#
52	0.0	25.3 37.9#



#43
Isopropyl Acetate
Concen: 27.700 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX032246.D
Acq: 20 Oct 2022 06:51

Tgt Ion: 43	Resp:	88940
Ion	Ratio	Lower Upper
43	100	
61	18.6	15.5 23.3
87	13.3	11.0 16.6

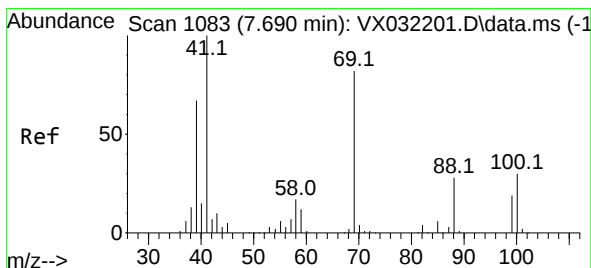
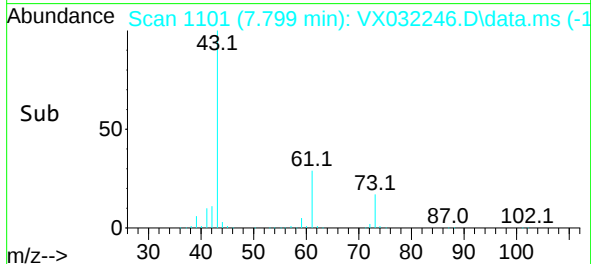
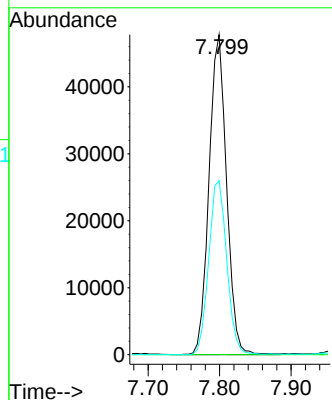
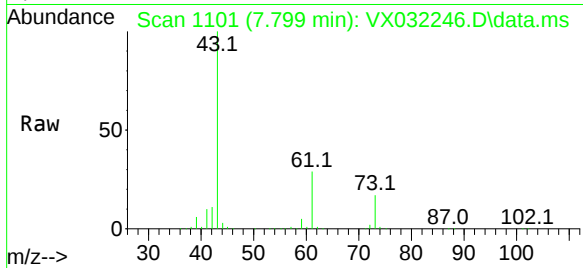




#48
Methyl methacrylate
Concen: 50.781 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX032246.D
Acq: 20 Oct 2022 06:51

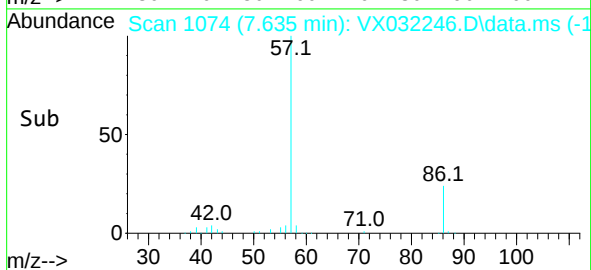
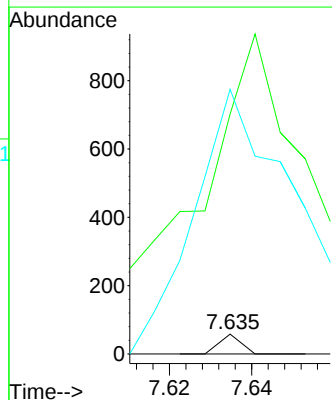
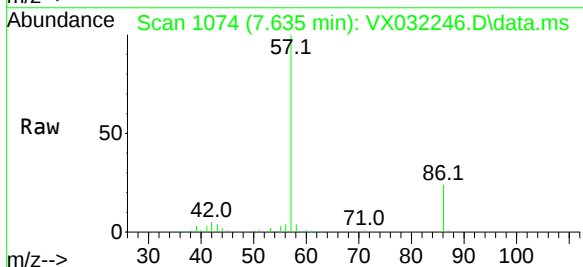
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#12

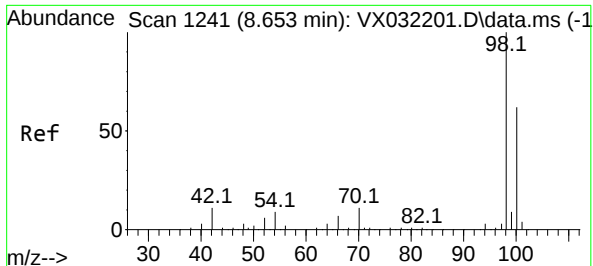
Tgt Ion: 41 Resp: 81316
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 56.0 53.8 80.8



#49
1,4-Dioxane
Concen: 0.653 ug/l
RT: 7.635 min Scan# 1074
Delta R.T. -0.055 min
Lab File: VX032246.D
Acq: 20 Oct 2022 06:51

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 26.9 40.3#
58 6776.2 50.7 76.1#

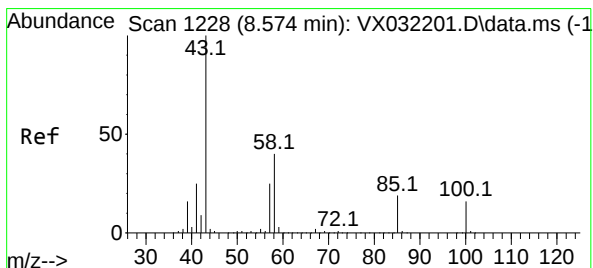
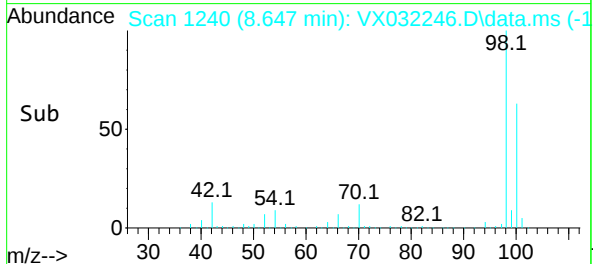
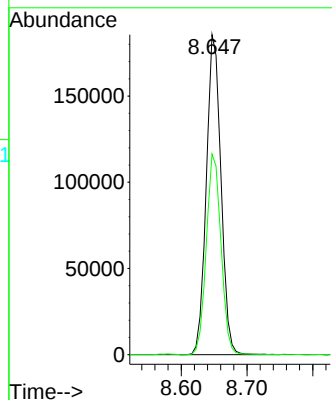
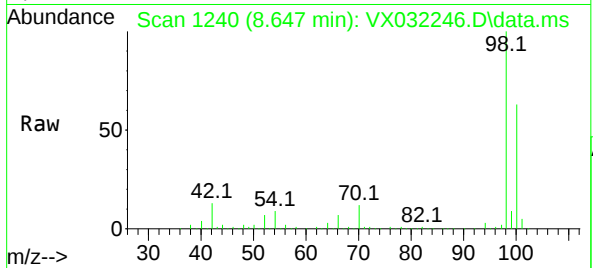




#50
Toluene-d8
Concen: 49.157 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX032246.D
Acq: 20 Oct 2022 06:51

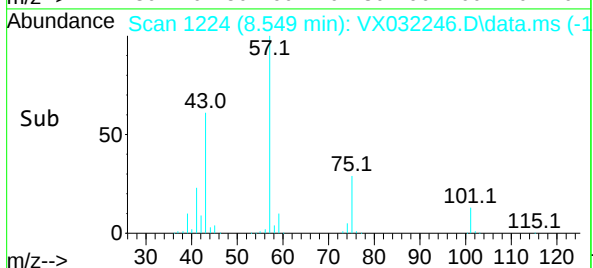
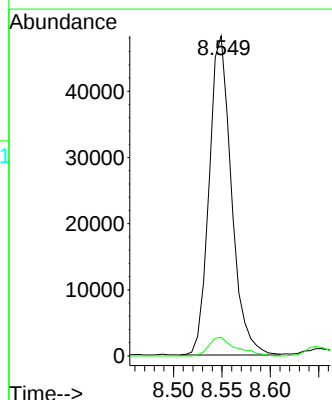
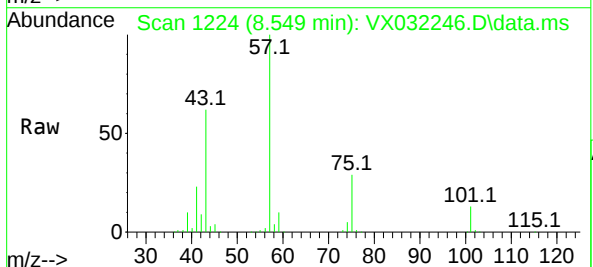
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#12

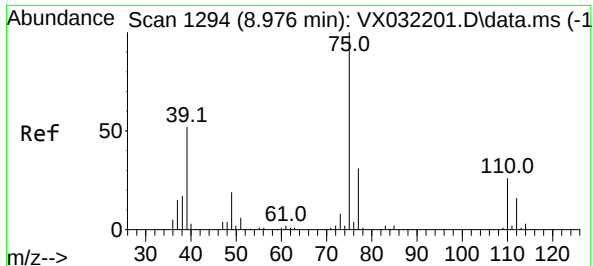
Tgt Ion: 98 Resp: 287417
Ion Ratio Lower Upper
98 100
100 63.1 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 38.410 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX032246.D
Acq: 20 Oct 2022 06:51

Tgt Ion: 43 Resp: 77309
Ion Ratio Lower Upper
43 100
58 7.1 31.0 46.4#

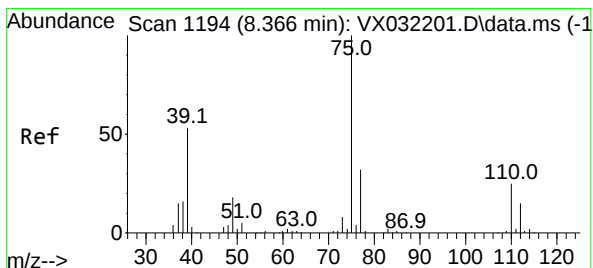
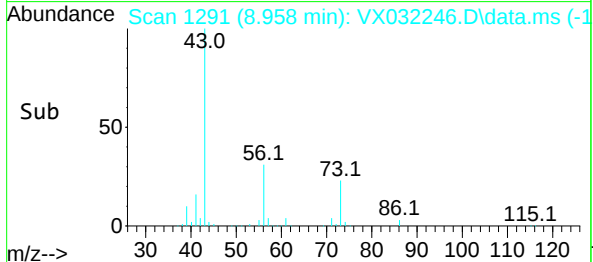
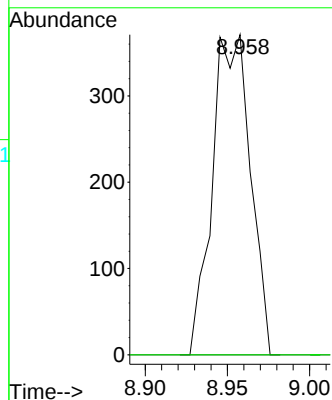
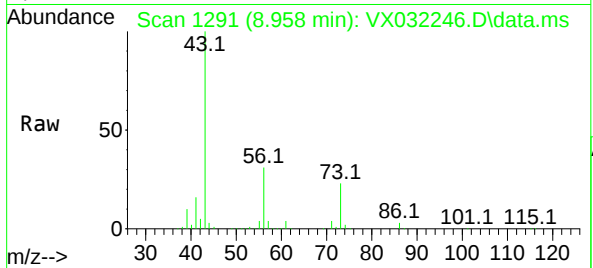




#53
 t-1,3-Dichloropropene
 Concen: 2.061 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VX032246.D
 Acq: 20 Oct 2022 06:51

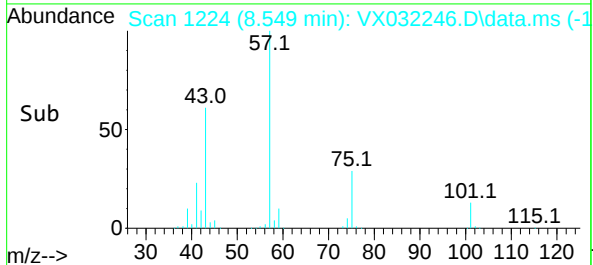
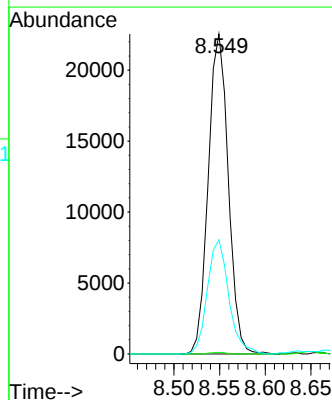
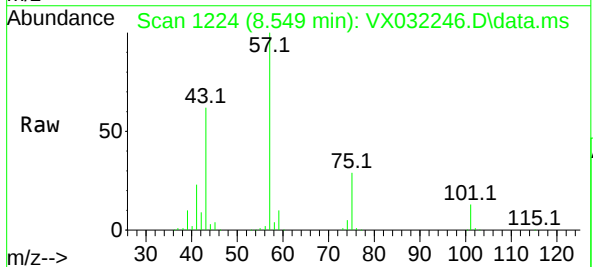
Instrument :
 MSVOA_X
 ClientSampleId :
 PB148361ZHE#12

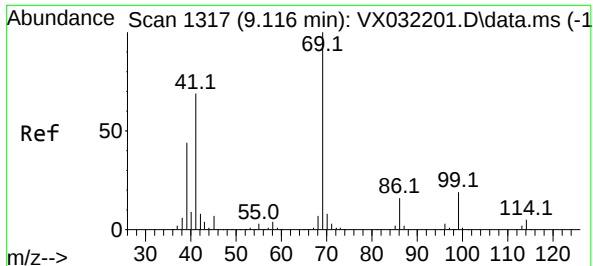
Tgt Ion: 75 Resp: 597
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#



#54
 cis-1,3-Dichloropropene
 Concen: 14.609 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX032246.D
 Acq: 20 Oct 2022 06:51

Tgt Ion: 75 Resp: 34262
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 35.7 42.4 63.6#

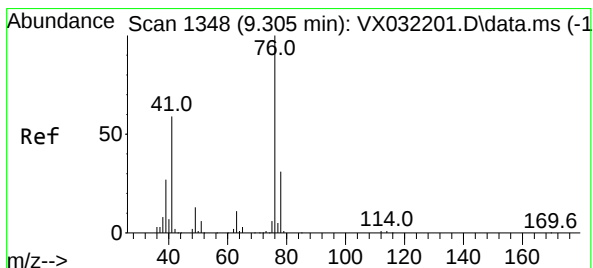
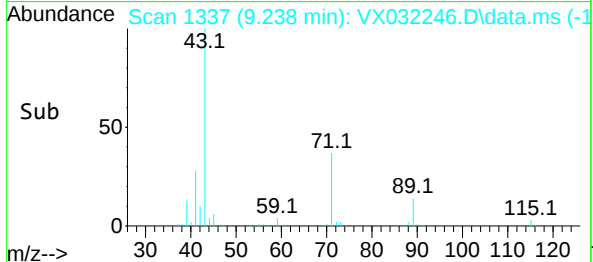
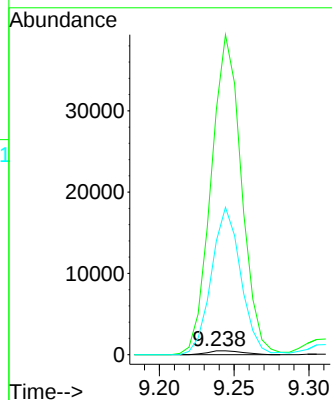
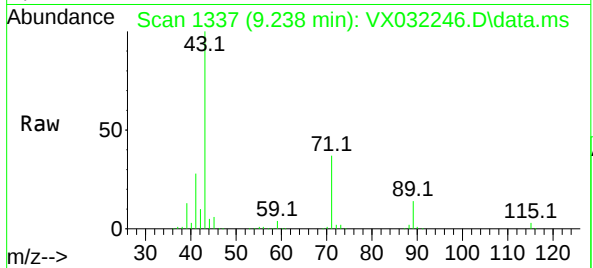




#56
Ethyl methacrylate
Concen: 0.339 ug/l
RT: 9.238 min Scan# 11
Delta R.T. 0.122 min
Lab File: VX032246.D
Acq: 20 Oct 2022 06:51

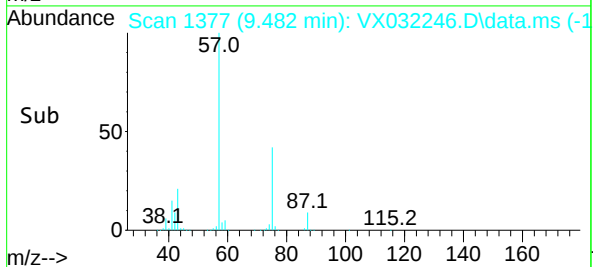
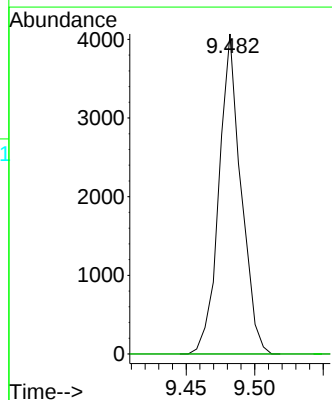
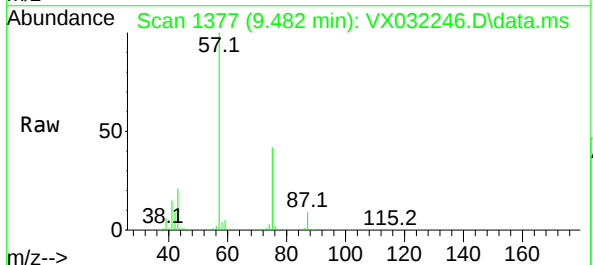
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#12

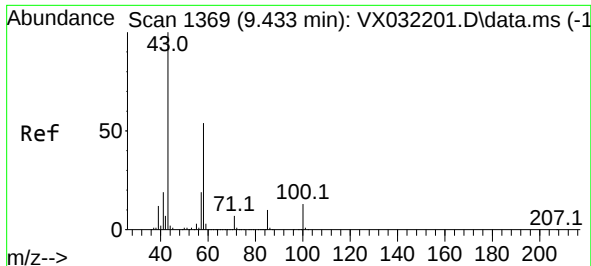
Tgt Ion: 69 Resp: 778
Ion Ratio Lower Upper
69 100
41 7142.9 54.5 81.7#
39 3185.6 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 1.766 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX032246.D
Acq: 20 Oct 2022 06:51

Tgt Ion: 76 Resp: 4559
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#

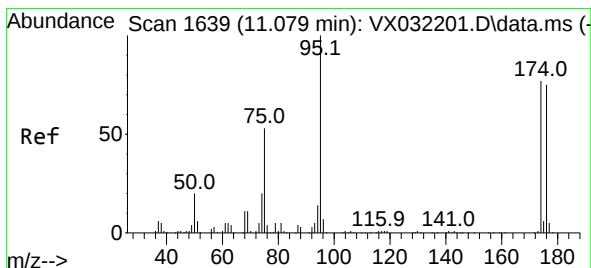
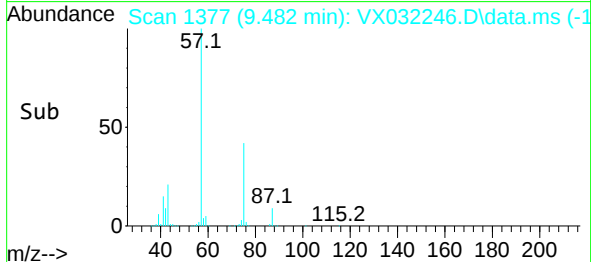
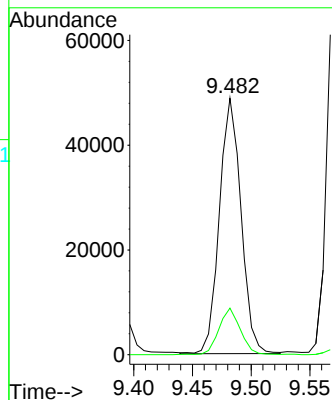
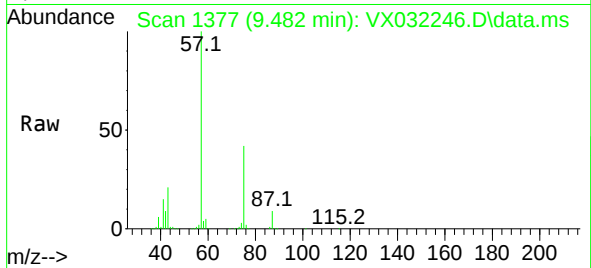




#59
2-Hexanone
Concen: 41.668 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX032246.D
Acq: 20 Oct 2022 06:51

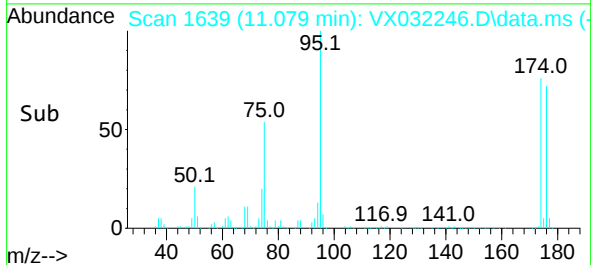
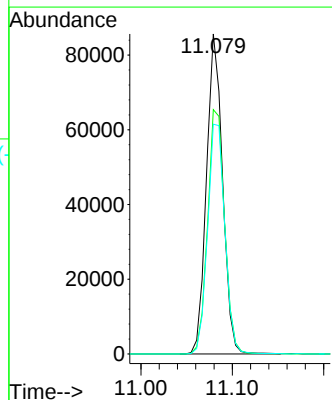
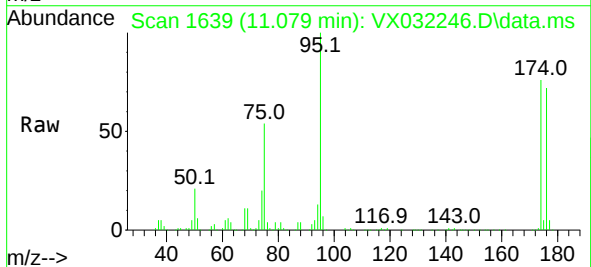
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#12

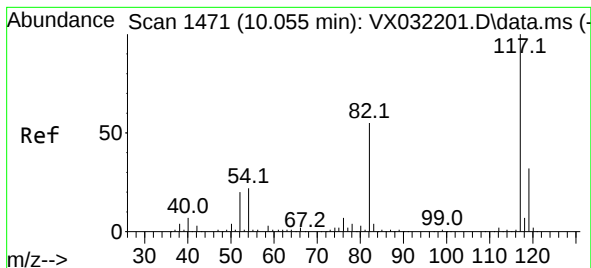
Tgt Ion: 43 Resp: 62578
Ion Ratio Lower Upper
43 100
58 18.3 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 48.740 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032246.D
Acq: 20 Oct 2022 06:51

Tgt Ion: 95 Resp: 104356
Ion Ratio Lower Upper
95 100
174 80.6 0.0 166.8
176 77.2 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: VX032246.D

Acq: 20 Oct 2022 06:51

Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#12

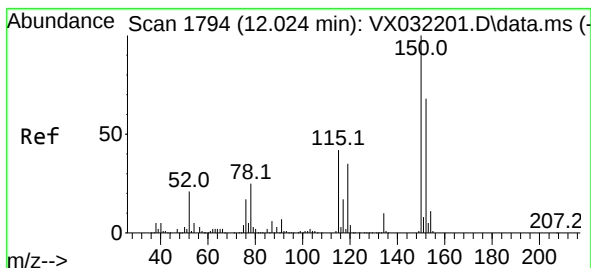
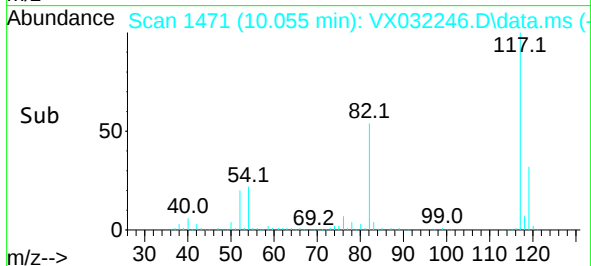
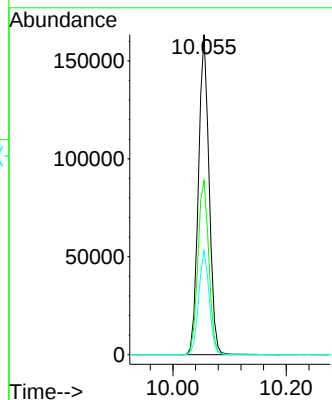
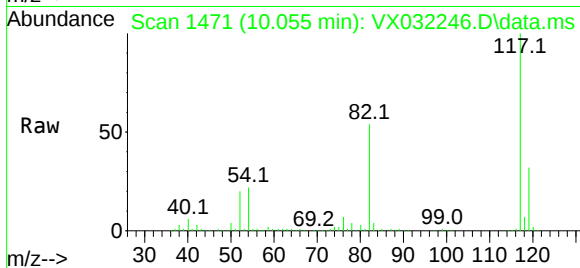
Tgt Ion:117 Resp: 212523

Ion Ratio Lower Upper

117 100

82 54.4 44.2 66.4

119 32.4 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: VX032246.D

Acq: 20 Oct 2022 06:51

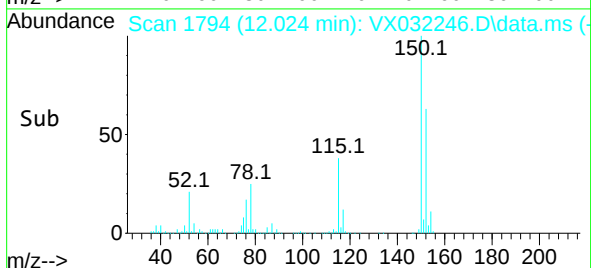
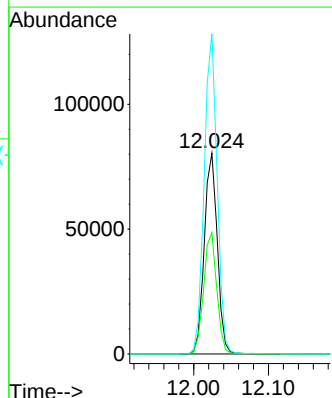
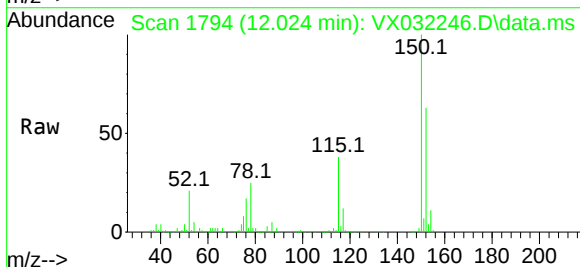
Tgt Ion:152 Resp: 97478

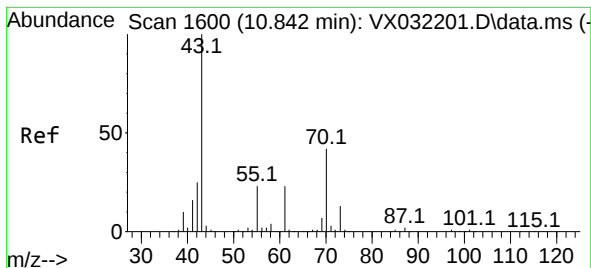
Ion Ratio Lower Upper

152 100

115 60.9 43.1 129.4

150 158.8 0.0 348.6





#74

N-amy1 acetate

Concen: 9.854 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.202 min

Lab File: VX032246.D

Acq: 20 Oct 2022 06:51

Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#12

Tgt Ion: 43 Resp: 25322

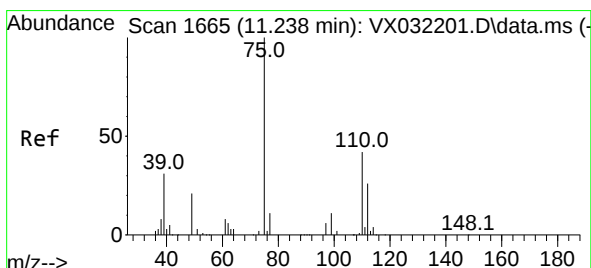
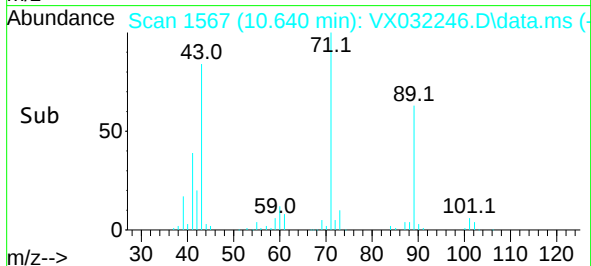
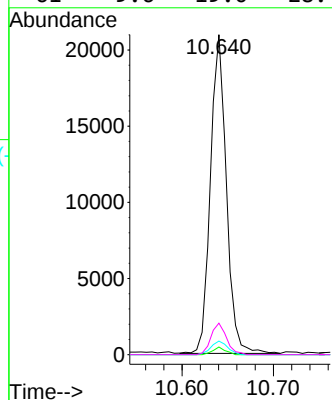
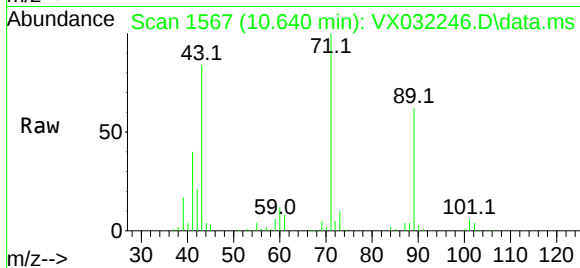
Ion Ratio Lower Upper

43 100

70 1.9 33.9 50.9#

55 4.4 19.1 28.7#

61 9.6 19.0 28.4#



#76

1,2,3-Trichloropropane

Concen: 29.703 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX032246.D

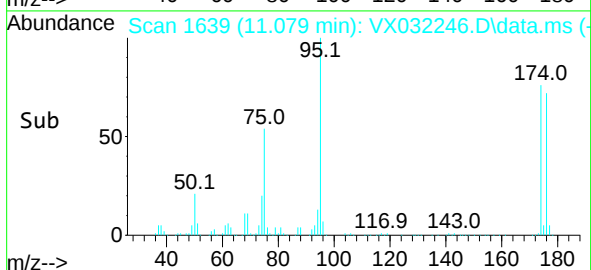
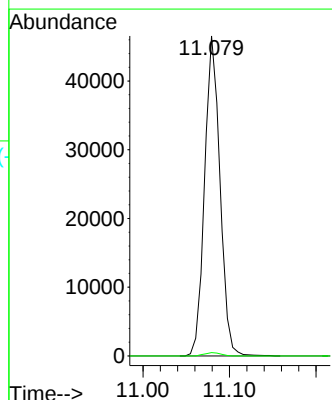
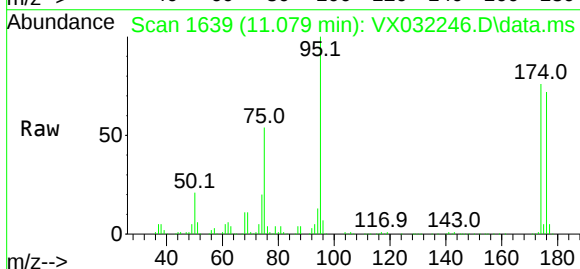
Acq: 20 Oct 2022 06:51

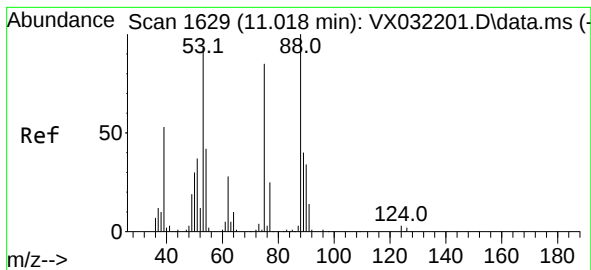
Tgt Ion: 75 Resp: 57370

Ion Ratio Lower Upper

75 100

77 1.1 16.0 47.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.924 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX032246.D
 Acq: 20 Oct 2022 06:51

Instrument :
 MSVOA_X
 ClientSampleId :
 PB148361ZHE#12

Tgt Ion: 75 Resp: 57370
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.8 131.8#
 89 0.0 37.8 56.8#

