

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
 Data File : VX043633.D
 Acq On : 30 Oct 2024 18:39
 Operator : JC/MD
 Sample : PB164501ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB164501ZHE#11

Quant Time: Oct 31 23:04:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

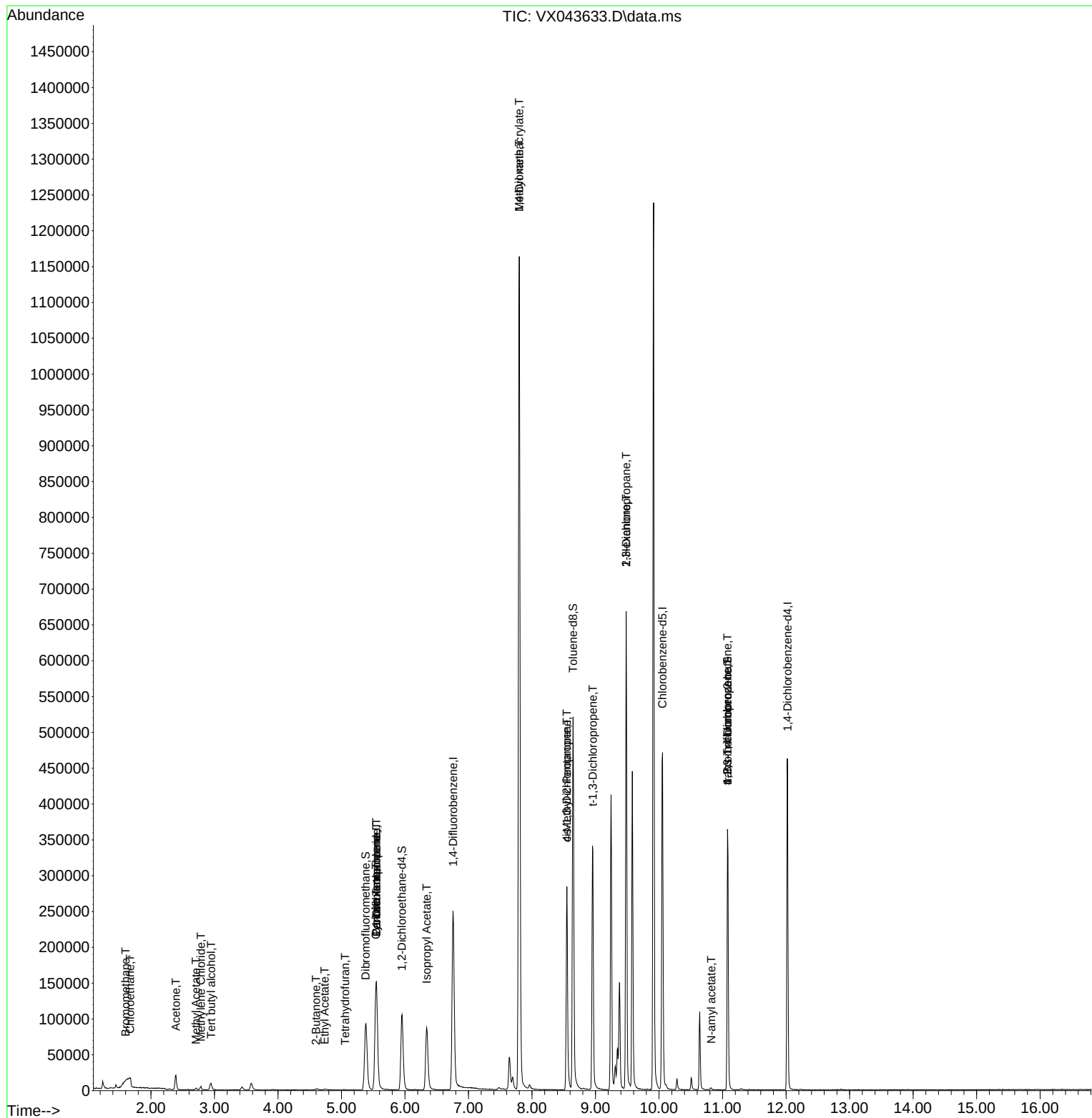
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	153070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	276511	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	232364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	99415	40.732	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	81.460%
35) Dibromofluoromethane	5.379	113	84213	44.913	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.820%
50) Toluene-d8	8.647	98	321434	49.523	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.040%
62) 4-Bromofluorobenzene	11.079	95	107694	44.777	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	89.560%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	162	0.205	ug/l #	2
6) Chloroethane	1.672	64	185	0.270	ug/l #	81
11) Tert butyl alcohol	2.947	59	5605	12.303	ug/l #	100
16) Acetone	2.392	43	23127	23.861	ug/l	99
18) Methyl Acetate	2.709	43	3130	1.105	ug/l	93
20) Methylene Chloride	2.788	84	2473	1.184	ug/l #	83
25) 2-Butanone	4.599	43	2577	1.823	ug/l	97
29) Tetrahydrofuran	5.056	42	554	0.603	ug/l #	39
31) Cyclohexane	5.544	56	2705	1.050	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11251	5.060	ug/l #	49
37) Ethyl Acetate	4.733	43	1311	0.486	ug/l #	87
38) Carbon Tetrachloride	5.550	117	15478	6.301	ug/l #	14
43) Isopropyl Acetate	6.342	43	125868	28.197	ug/l	98
48) Methyl methacrylate	7.799	41	98653	46.614	ug/l #	41
49) 1,4-Dioxane	7.799	88	189	4.347	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	95364	35.051	ug/l #	49
53) t-1,3-Dichloropropene	8.958	75	924	0.349	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	49597	17.568	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	5868	1.884	ug/l #	42
59) 2-Hexanone	9.482	43	74293	35.953	ug/l #	53
74) N-amyl acetate	10.823	43	847	0.238	ug/l #	42
76) 1,2,3-Trichloropropane	11.079	75	52007	23.626	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	52007	64.997	ug/l #	7

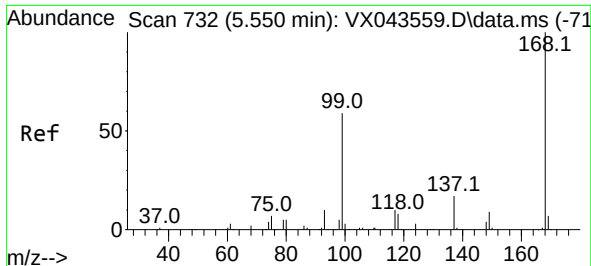
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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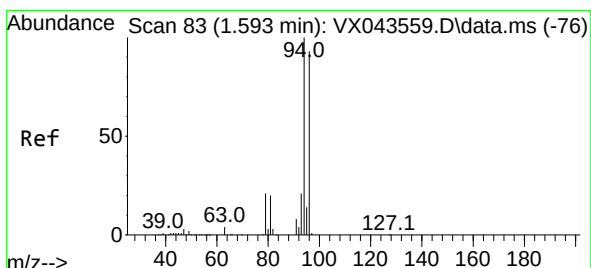
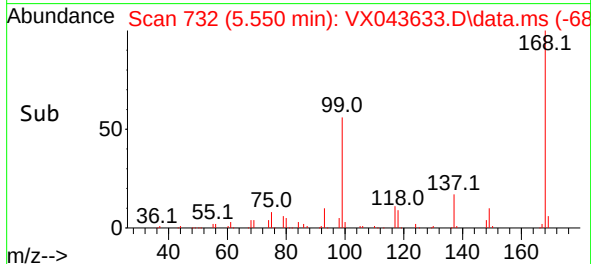
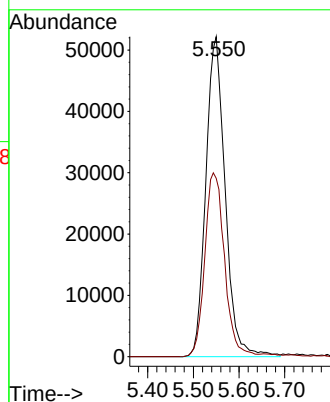
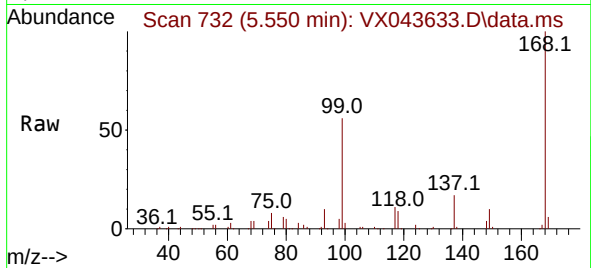




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043633.D
Acq: 30 Oct 2024 18:39

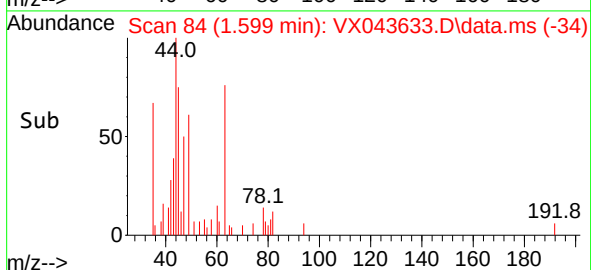
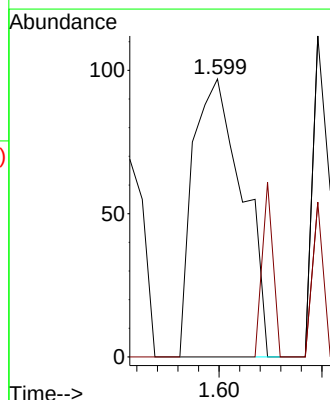
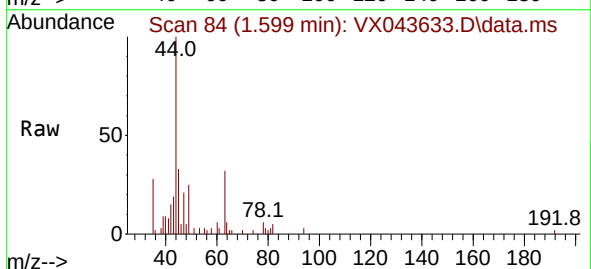
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#11

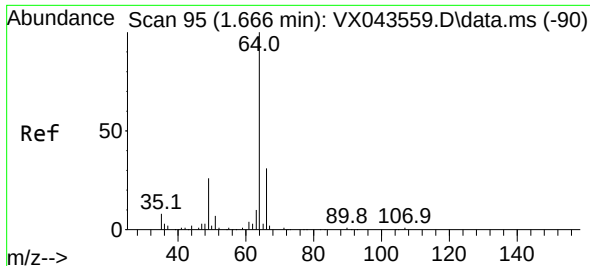
Tgt Ion:168 Resp: 153070
Ion Ratio Lower Upper
168 100
99 55.8 52.6 78.8



#5
Bromomethane
Concen: 0.205 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043633.D
Acq: 30 Oct 2024 18:39

Tgt Ion: 94 Resp: 162
Ion Ratio Lower Upper
94 100
96 0.0 75.9 113.9#

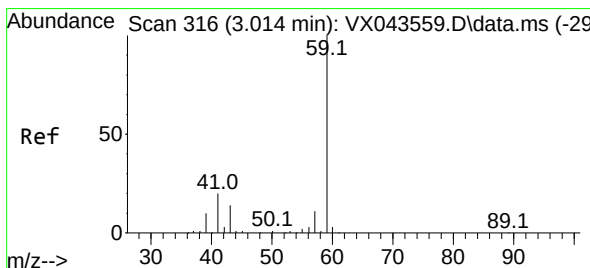
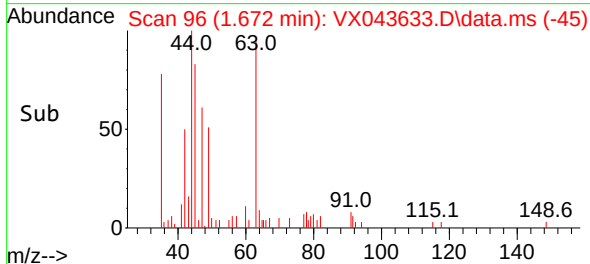
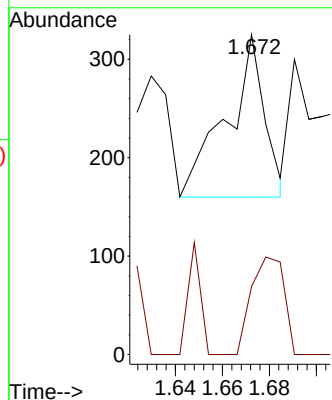
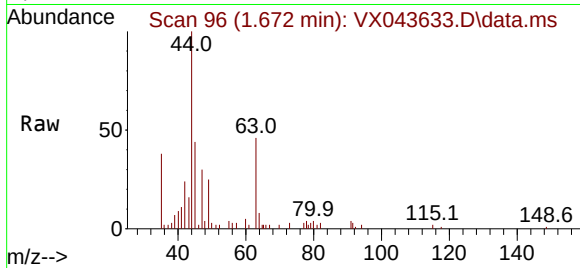




#6
Chloroethane
Concen: 0.270 ug/l
RT: 1.672 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX043633.D
Acq: 30 Oct 2024 18:39

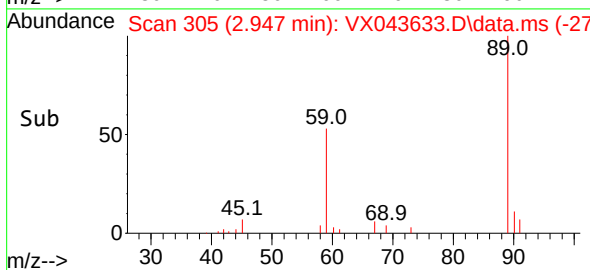
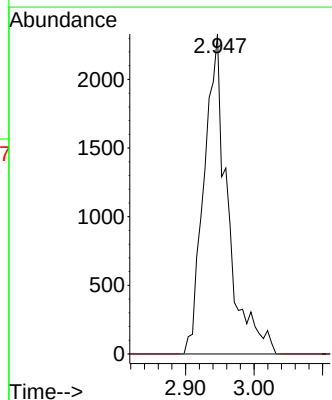
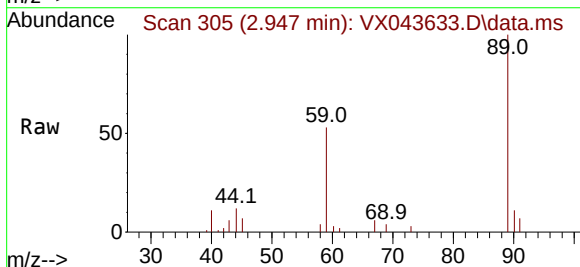
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#11

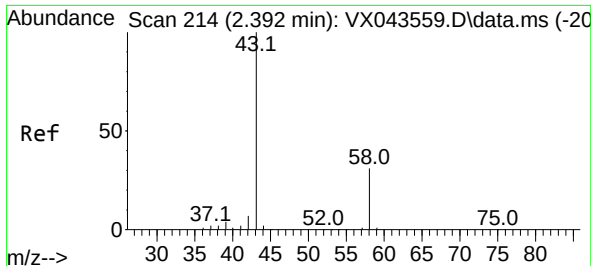
Tgt Ion: 64 Resp: 185
Ion Ratio Lower Upper
64 100
66 41.8 25.1 37.7#



#11
Tert butyl alcohol
Concen: 12.303 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.103 min
Lab File: VX043633.D
Acq: 30 Oct 2024 18:39

Tgt Ion: 59 Resp: 5605
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

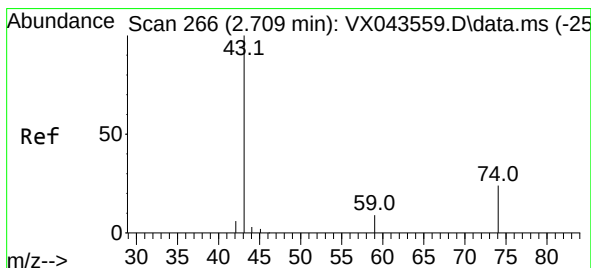
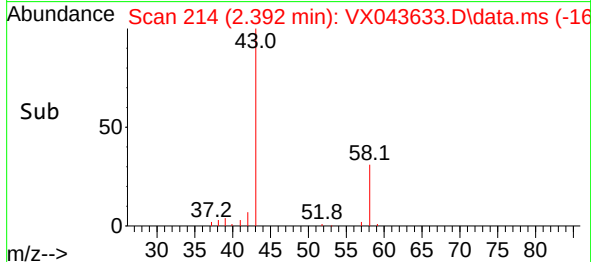
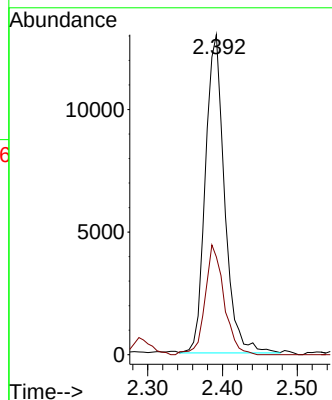
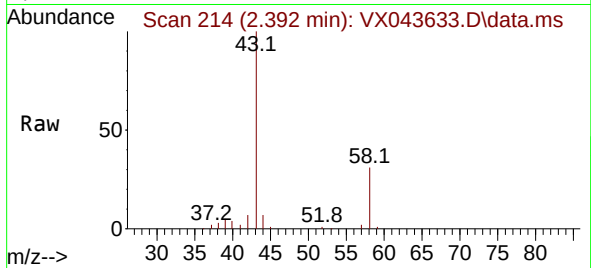




#16
Acetone
Concen: 23.861 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043633.D
Acq: 30 Oct 2024 18:39

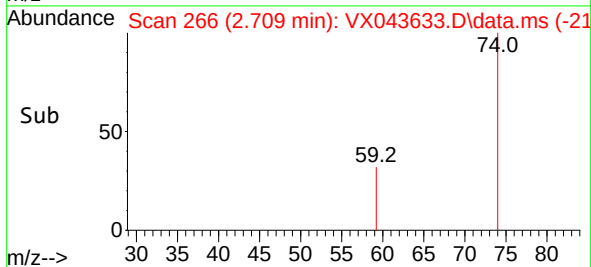
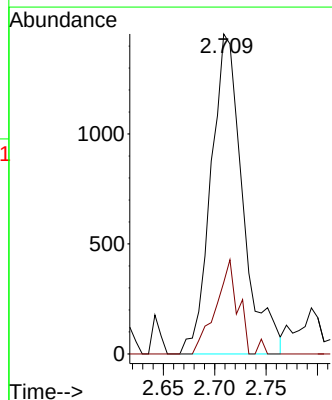
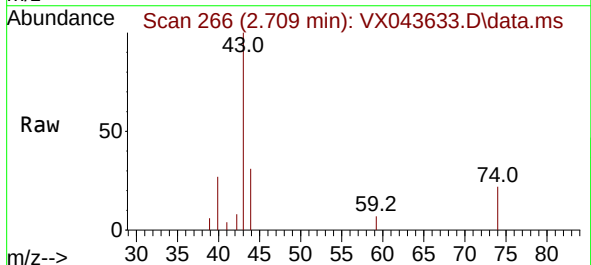
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#11

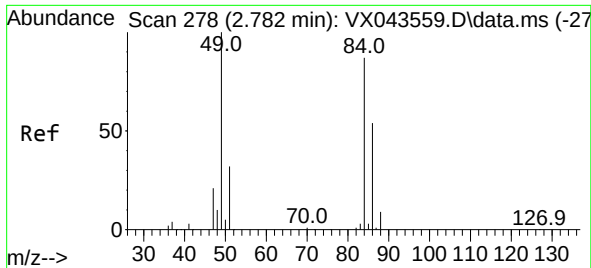
Tgt Ion: 43 Resp: 23127
Ion Ratio Lower Upper
43 100
58 30.7 25.1 37.7



#18
Methyl Acetate
Concen: 1.105 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043633.D
Acq: 30 Oct 2024 18:39

Tgt Ion: 43 Resp: 3130
Ion Ratio Lower Upper
43 100
74 20.3 19.1 28.7

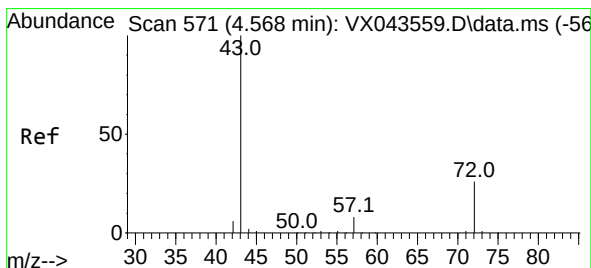
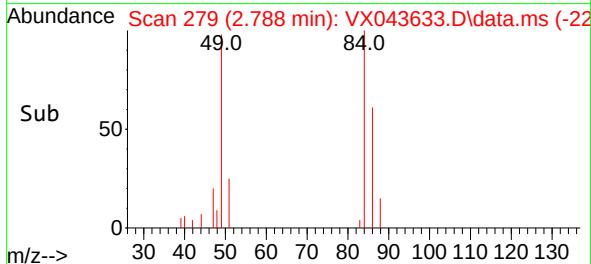
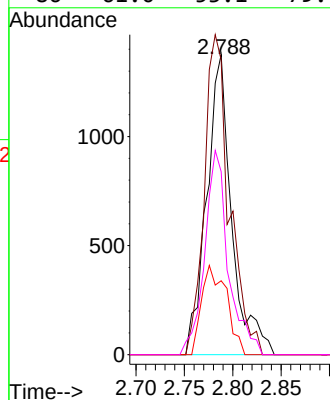
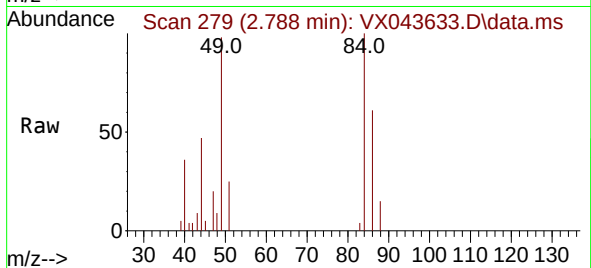




#20
Methylene Chloride
Concen: 1.184 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043633.D
Acq: 30 Oct 2024 18:39

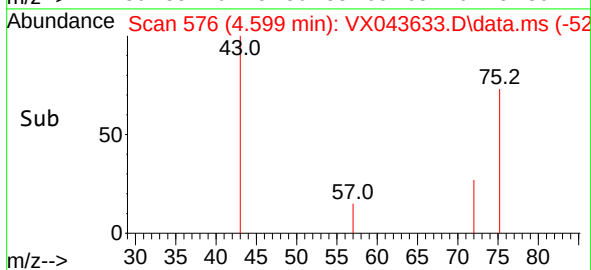
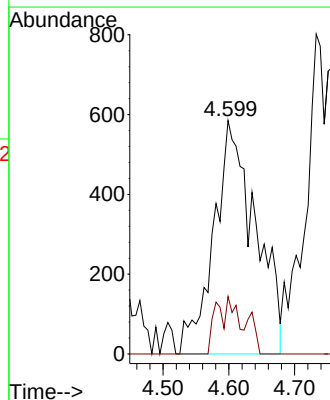
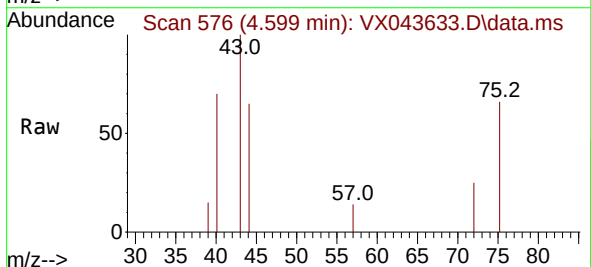
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#11

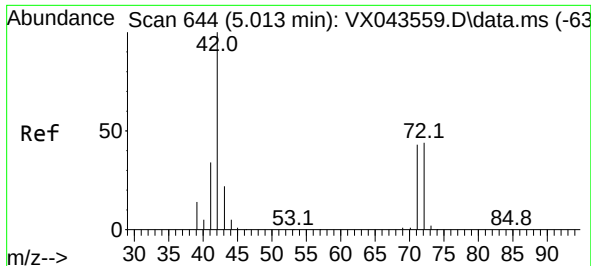
Tgt Ion:	84	Resp:	2473
Ion	Ratio	Lower	Upper
84	100		
49	98.2	97.0	145.6
51	24.6	29.8	44.8#
86	61.0	53.1	79.7



#25
2-Butanone
Concen: 1.823 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.031 min
Lab File: VX043633.D
Acq: 30 Oct 2024 18:39

Tgt Ion:	43	Resp:	2577
Ion	Ratio	Lower	Upper
43	100		
72	24.6	21.1	31.7





#29

Tetrahydrofuran

Concen: 0.603 ug/l

RT: 5.056 min Scan# 61

Delta R.T. 0.043 min

Lab File: VX043633.D

Acq: 30 Oct 2024 18:39

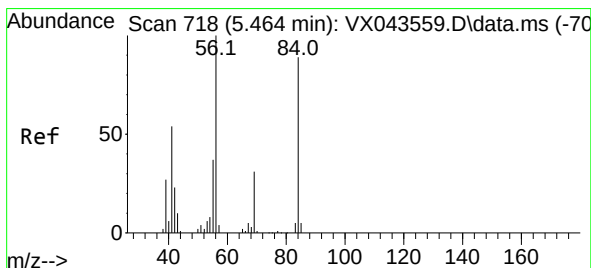
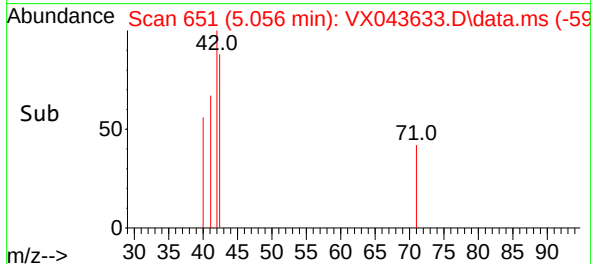
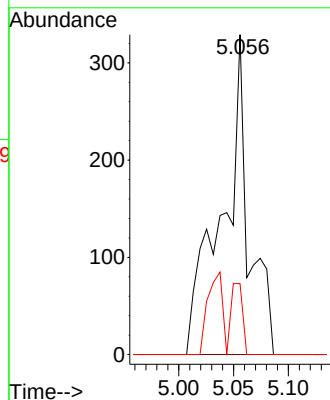
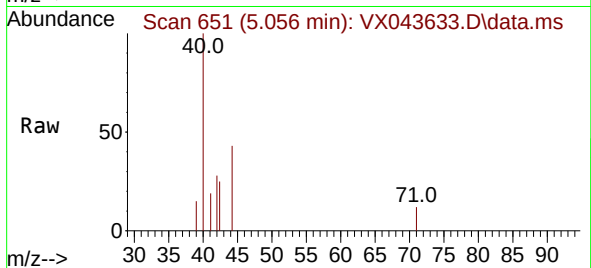
Instrument :

MSVOA_X

ClientSampleId :

PB164501ZHE#11

Tgt Ion:	42	Resp:	554
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	55.0#
71	9.6	34.2	51.4#



#31

Cyclohexane

Concen: 1.050 ug/l

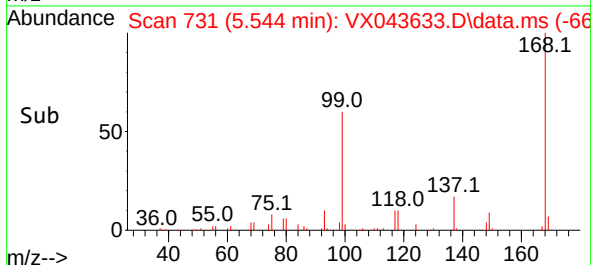
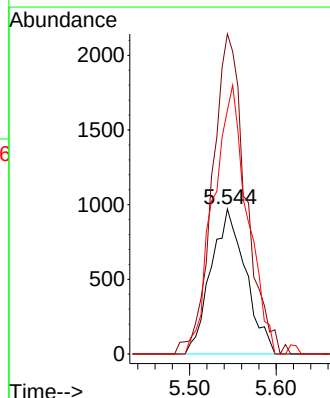
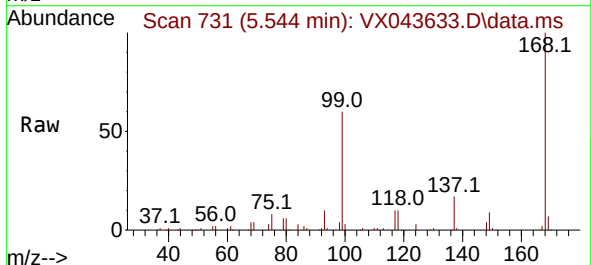
RT: 5.544 min Scan# 731

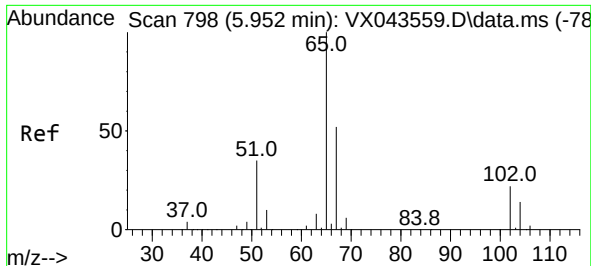
Delta R.T. 0.085 min

Lab File: VX043633.D

Acq: 30 Oct 2024 18:39

Tgt Ion:	56	Resp:	2705
Ion	Ratio	Lower	Upper
56	100		
69	220.7	24.9	37.3#
84	168.1	73.3	109.9#





#33

1,2-Dichloroethane-d4

Concen: 40.732 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043633.D

Acq: 30 Oct 2024 18:39

Instrument :

MSVOA_X

ClientSampleId :

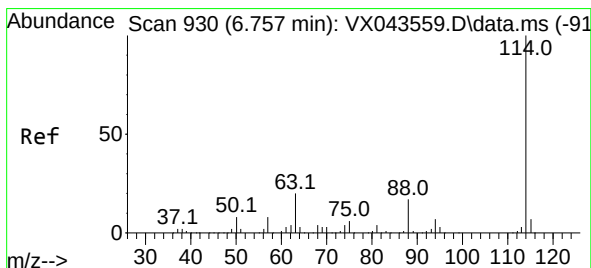
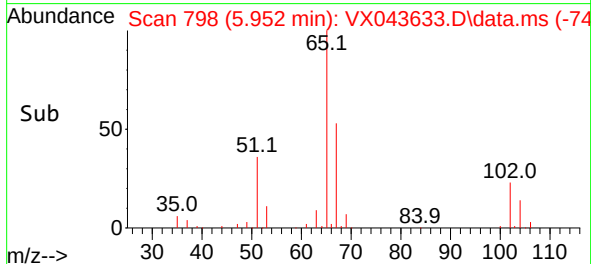
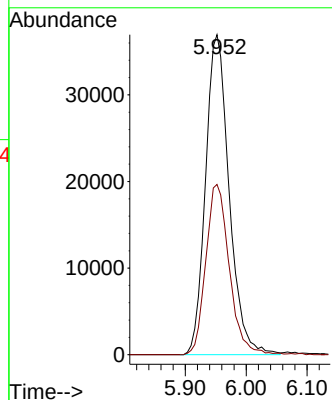
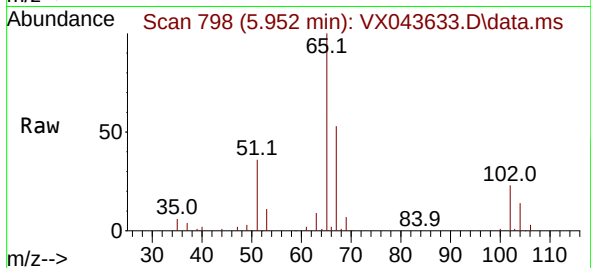
PB164501ZHE#11

Tgt Ion: 65 Resp: 99415

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043633.D

Acq: 30 Oct 2024 18:39

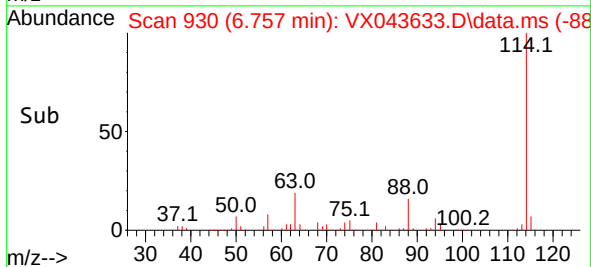
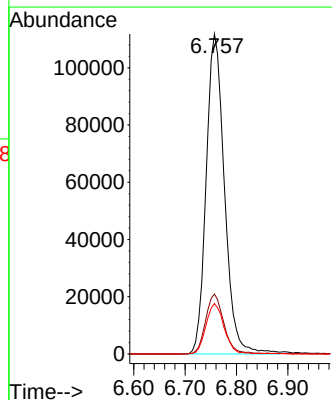
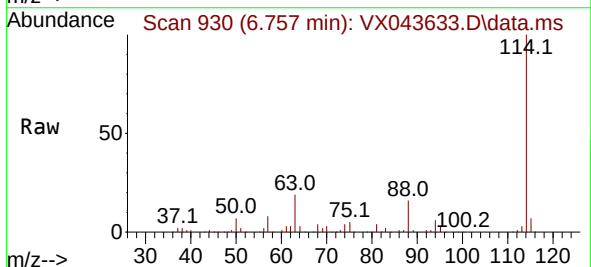
Tgt Ion: 114 Resp: 276511

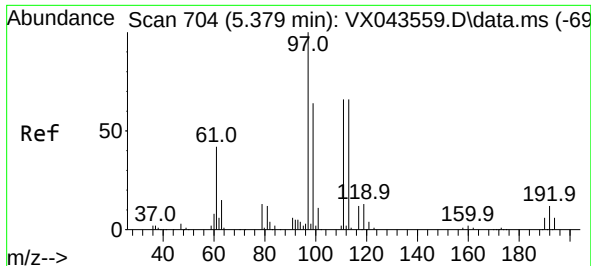
Ion Ratio Lower Upper

114 100

63 18.7 0.0 41.2

88 15.8 0.0 34.0

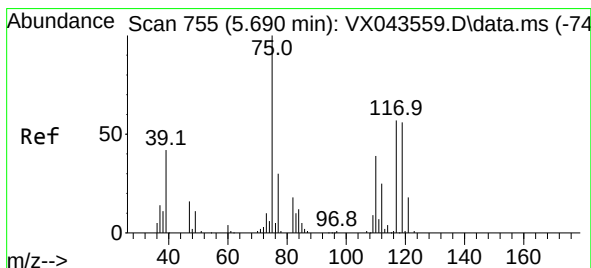
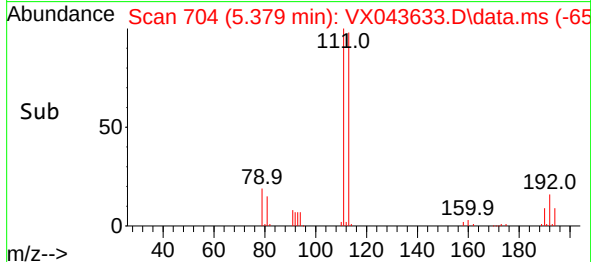
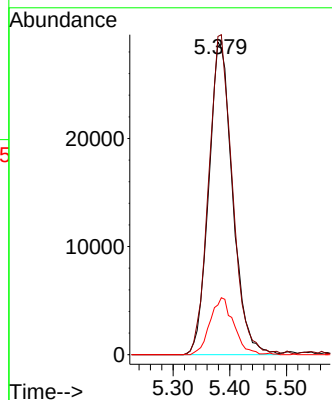
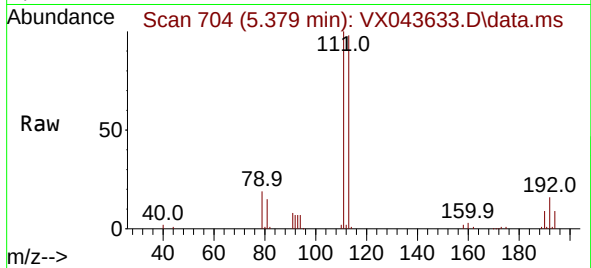




#35
Dibromofluoromethane
Concen: 44.913 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043633.D
Acq: 30 Oct 2024 18:39

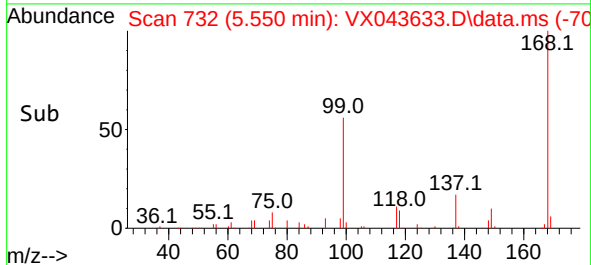
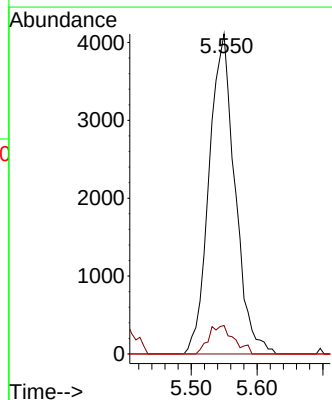
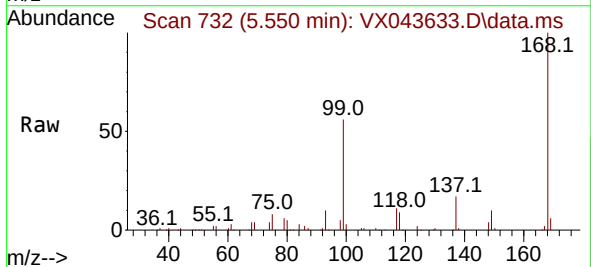
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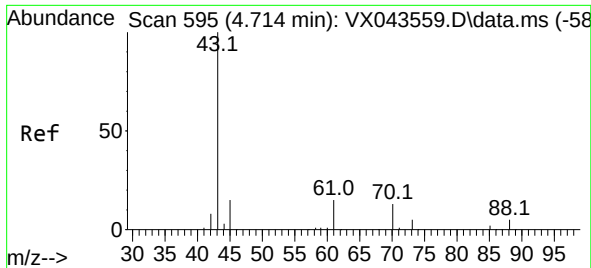
Tgt Ion:113 Resp: 84213
Ion Ratio Lower Upper
113 100
111 102.1 81.4 122.0
192 18.1 14.1 21.1



#36
1,1-Dichloropropene
Concen: 5.060 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX043633.D
Acq: 30 Oct 2024 18:39

Tgt Ion: 75 Resp: 11251
Ion Ratio Lower Upper
75 100
110 8.6 17.9 53.7#
77 0.0 25.0 37.4#

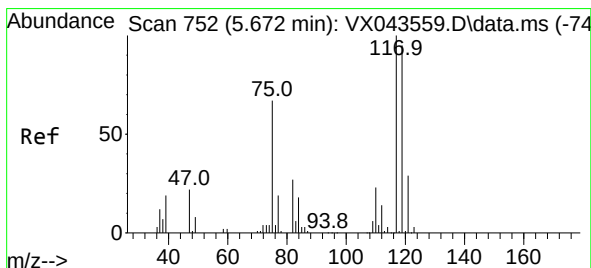
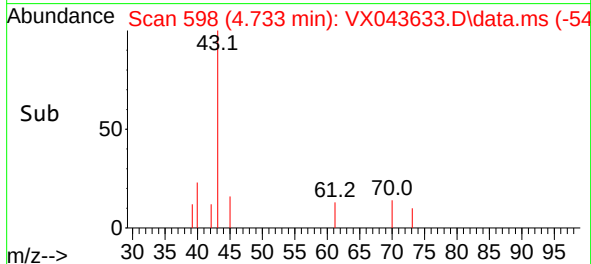
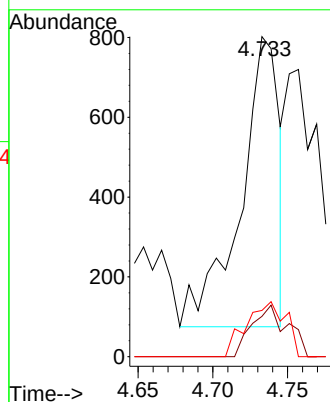
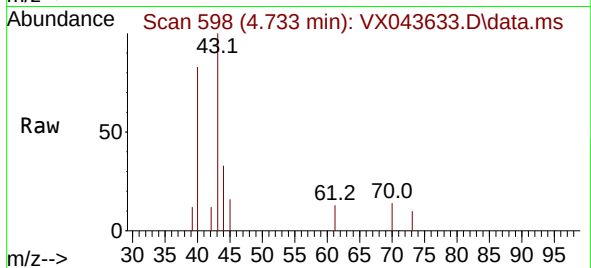




#37
Ethyl Acetate
Concen: 0.486 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.012 min
Lab File: VX043633.D
Acq: 30 Oct 2024 18:39

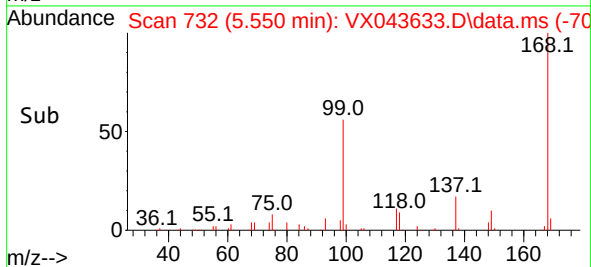
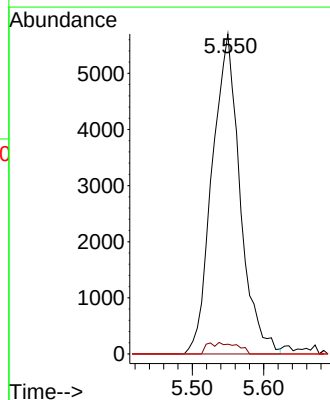
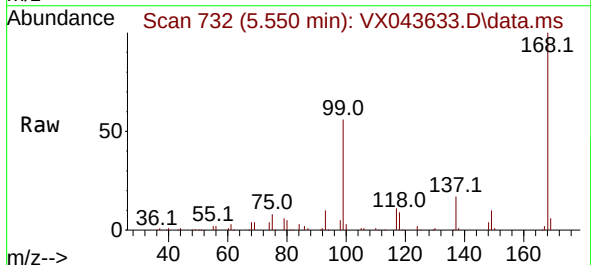
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#11

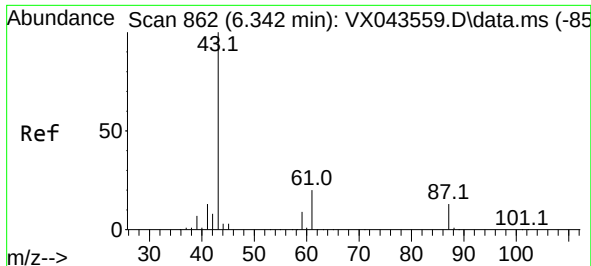
Tgt Ion: 43 Resp: 1311
Ion Ratio Lower Upper
43 100
61 16.3 11.0 16.6
70 19.3 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 6.301 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX043633.D
Acq: 30 Oct 2024 18:39

Tgt Ion: 117 Resp: 15478
Ion Ratio Lower Upper
117 100
119 3.0 77.0 115.6#
121 0.0 24.7 37.1#

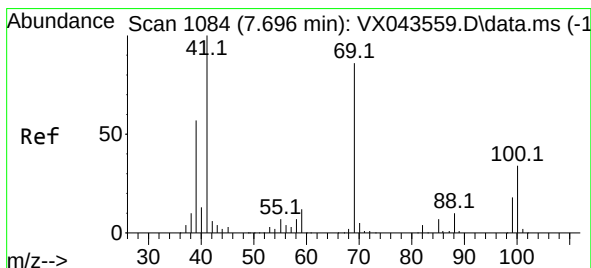
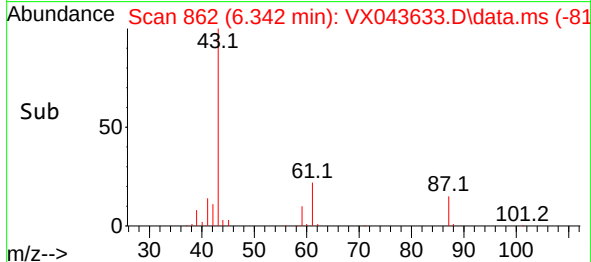
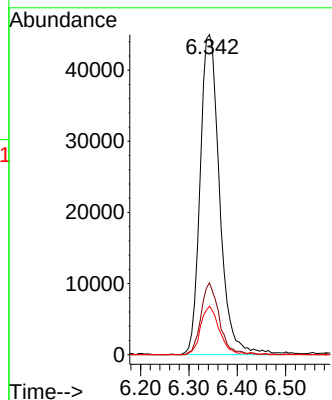
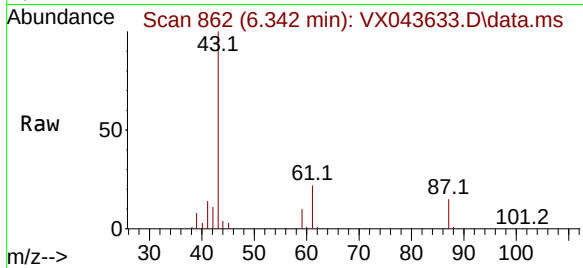




#43
Isopropyl Acetate
Concen: 28.197 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX043633.D
Acq: 30 Oct 2024 18:39

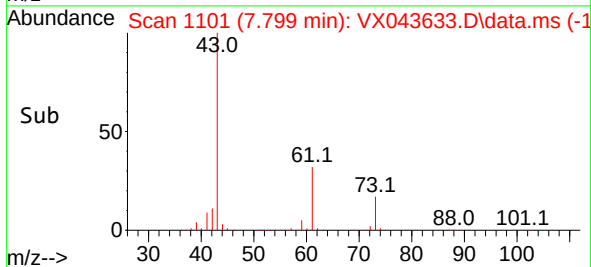
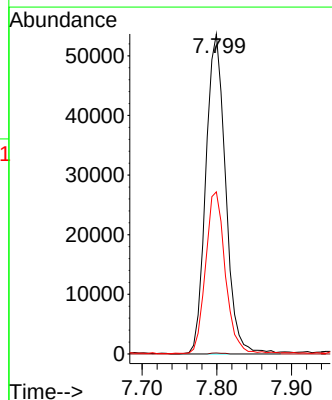
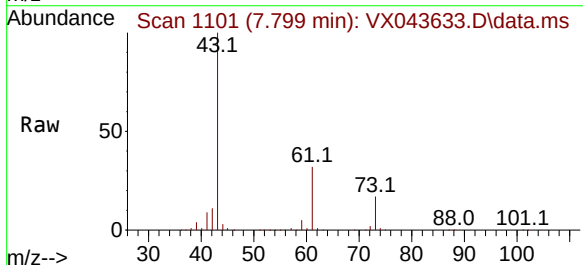
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#11

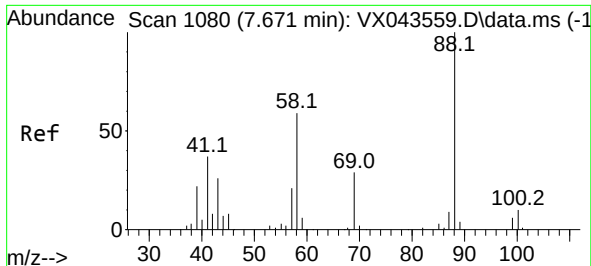
Tgt Ion: 43 Resp: 125868
Ion Ratio Lower Upper
43 100
61 21.1 16.2 24.4
87 14.5 11.0 16.6



#48
Methyl methacrylate
Concen: 46.614 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043633.D
Acq: 30 Oct 2024 18:39

Tgt Ion: 41 Resp: 98653
Ion Ratio Lower Upper
41 100
69 0.2 67.7 101.5#
39 50.4 46.3 69.5





#49

1,4-Dioxane

Concen: 4.347 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.128 min

Lab File: VX043633.D

Acq: 30 Oct 2024 18:39

Instrument :

MSVOA_X

ClientSampleId :

PB164501ZHE#11

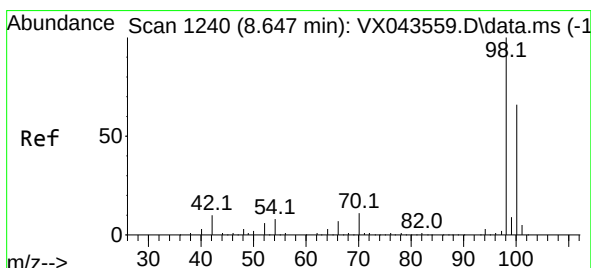
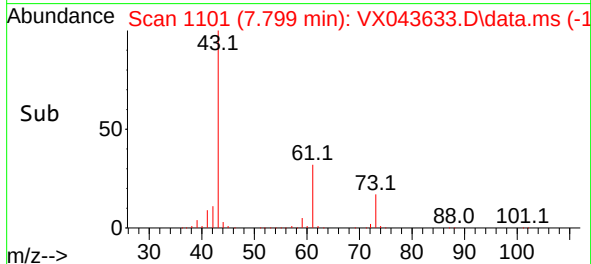
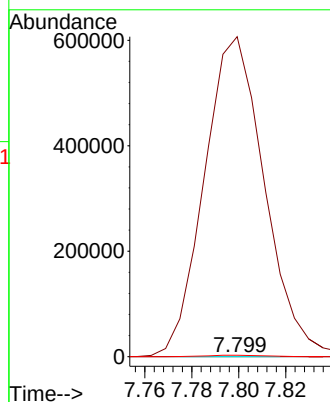
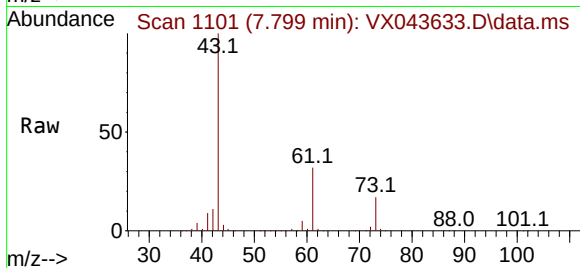
Tgt Ion: 88 Resp: 189

Ion Ratio Lower Upper

88 100

43 582237.6 25.3 37.9#

58 2657.1 53.9 80.9#



#50

Toluene-d8

Concen: 49.523 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043633.D

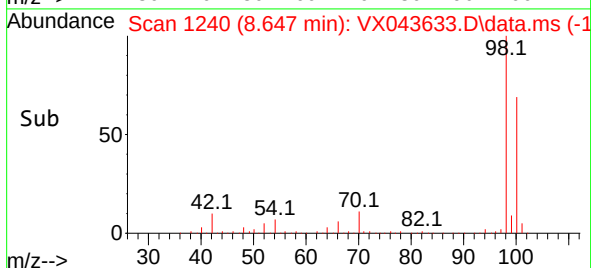
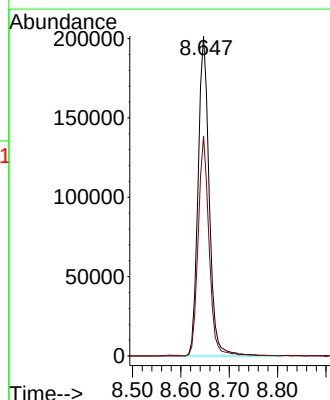
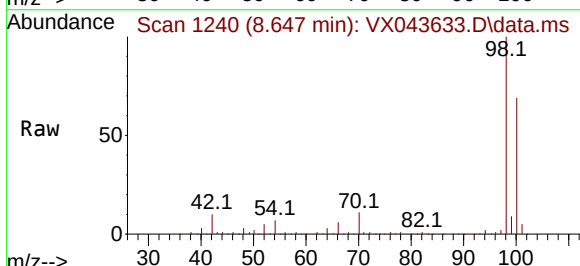
Acq: 30 Oct 2024 18:39

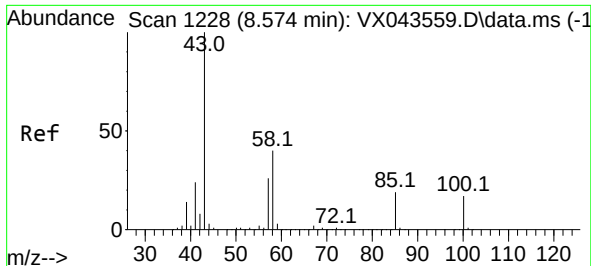
Tgt Ion: 98 Resp: 321434

Ion Ratio Lower Upper

98 100

100 67.0 53.4 80.2

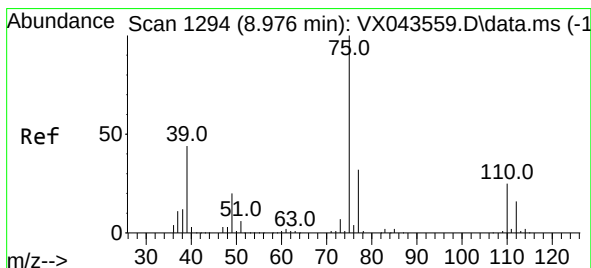
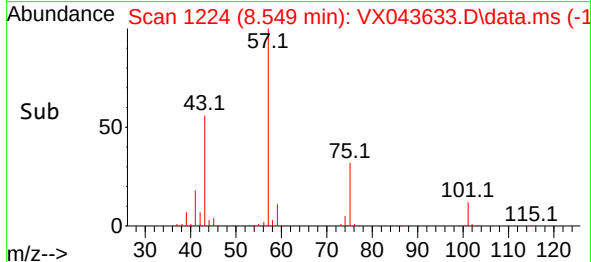
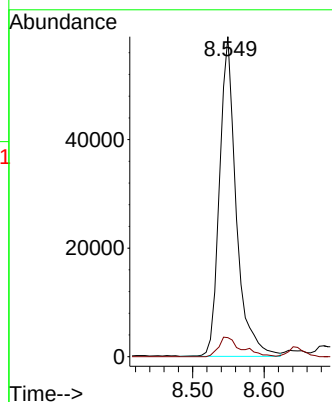
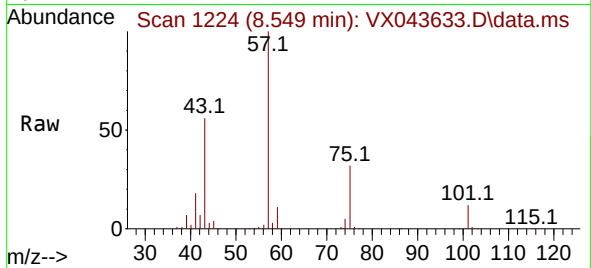




#51
4-Methyl-2-Pentanone
Concen: 35.051 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX043633.D
Acq: 30 Oct 2024 18:39

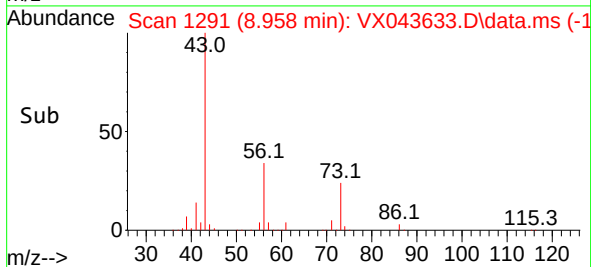
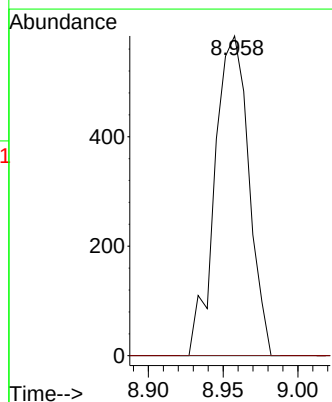
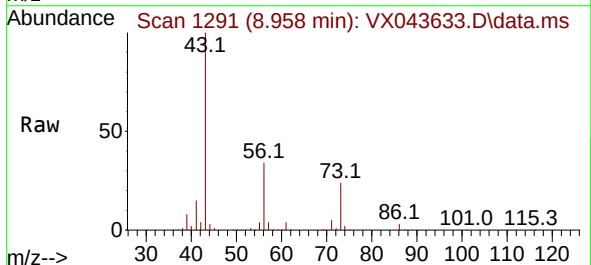
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#11

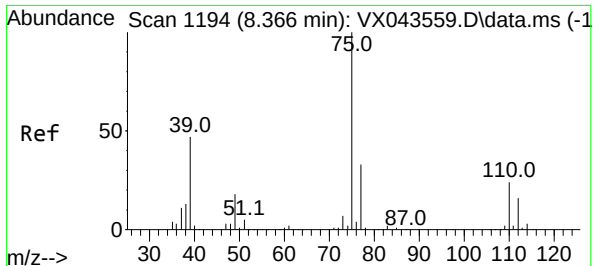
Tgt Ion: 43 Resp: 95364
Ion Ratio Lower Upper
43 100
58 8.3 31.7 47.5#



#53
t-1,3-Dichloropropene
Concen: 0.349 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX043633.D
Acq: 30 Oct 2024 18:39

Tgt Ion: 75 Resp: 924
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#

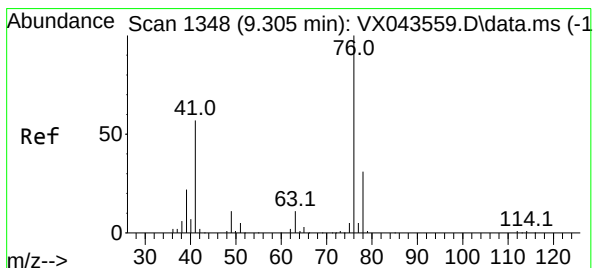
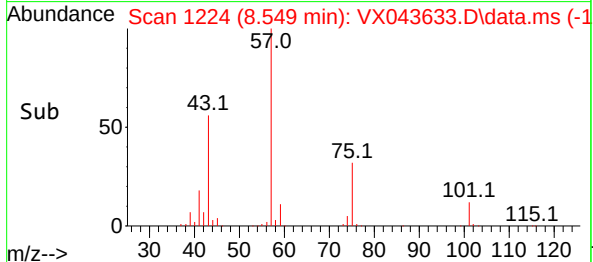
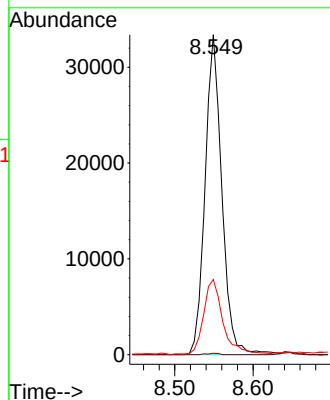
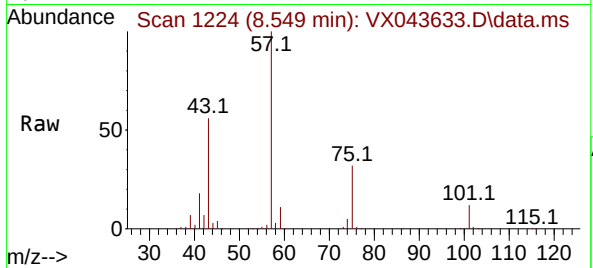




#54
cis-1,3-Dichloropropene
Concen: 17.568 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX043633.D
Acq: 30 Oct 2024 18:39

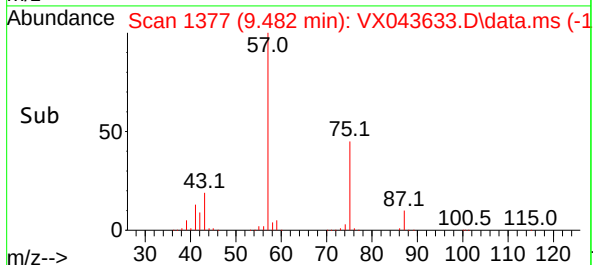
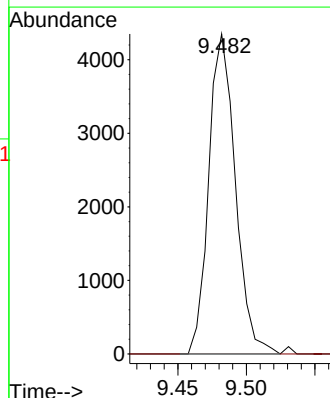
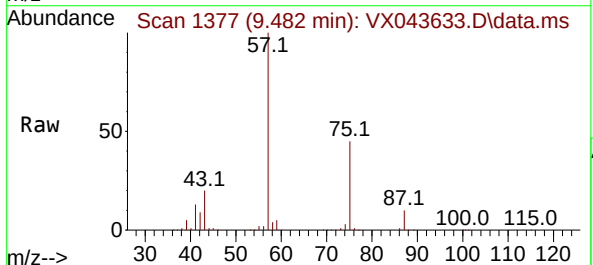
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#11

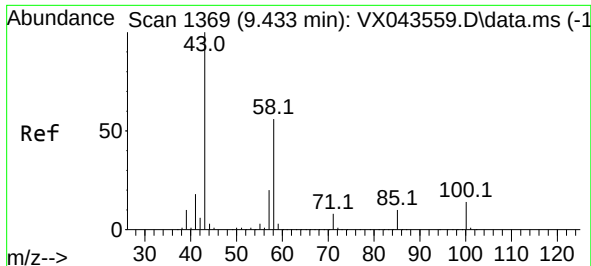
Tgt Ion: 75 Resp: 49597
Ion Ratio Lower Upper
75 100
77 0.5 24.8 37.2#
39 23.2 37.7 56.5#



#57
1,3-Dichloropropane
Concen: 1.884 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX043633.D
Acq: 30 Oct 2024 18:39

Tgt Ion: 76 Resp: 5868
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#





#59

2-Hexanone

Concen: 35.953 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX043633.D

Acq: 30 Oct 2024 18:39

Instrument :

MSVOA_X

ClientSampleId :

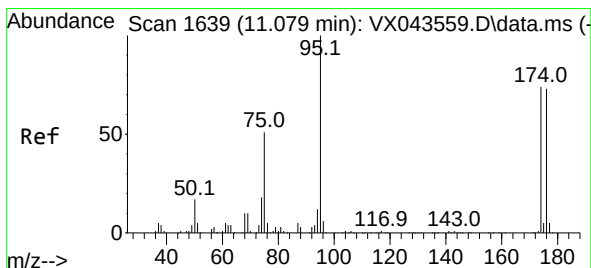
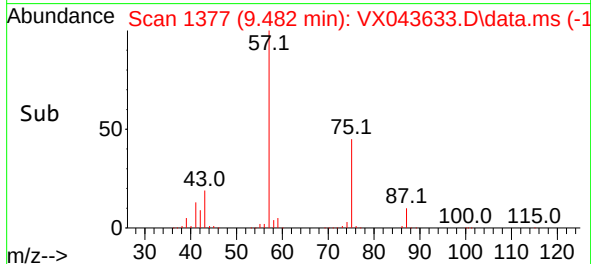
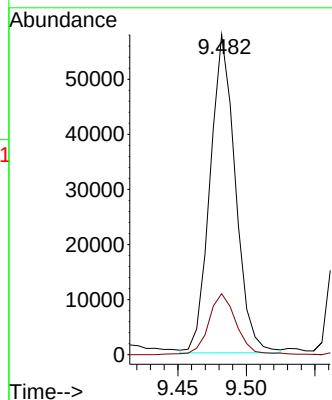
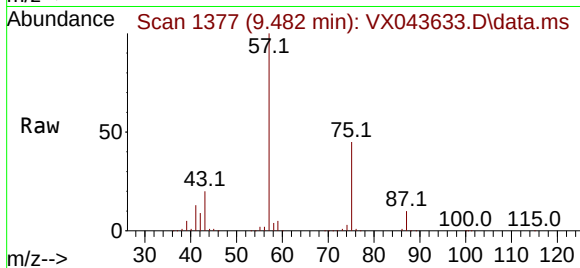
PB164501ZHE#11

Tgt Ion: 43 Resp: 74293

Ion Ratio Lower Upper

43 100

58 21.0 27.5 82.5#



#62

4-Bromofluorobenzene

Concen: 44.777 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043633.D

Acq: 30 Oct 2024 18:39

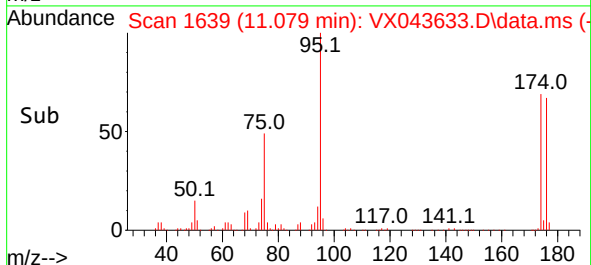
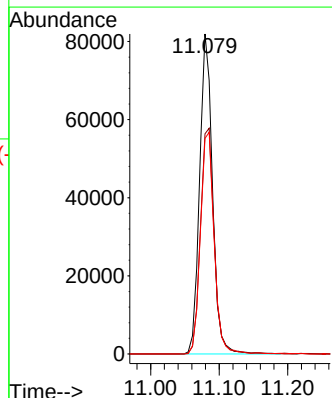
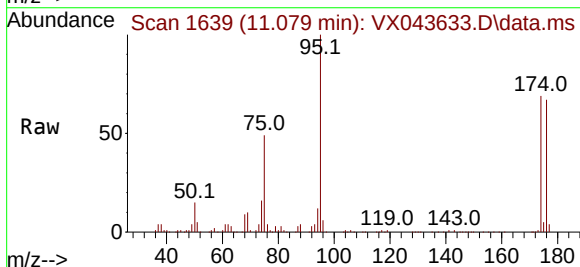
Tgt Ion: 95 Resp: 107694

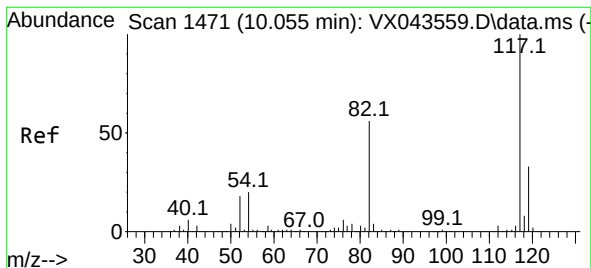
Ion Ratio Lower Upper

95 100

174 75.0 0.0 146.6

176 73.5 0.0 139.6

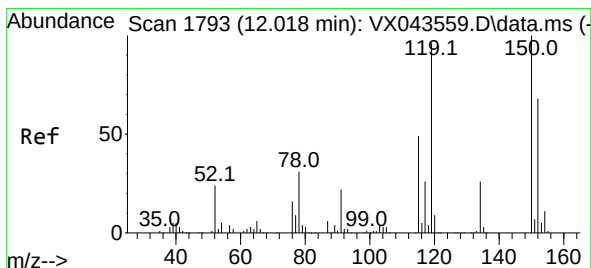
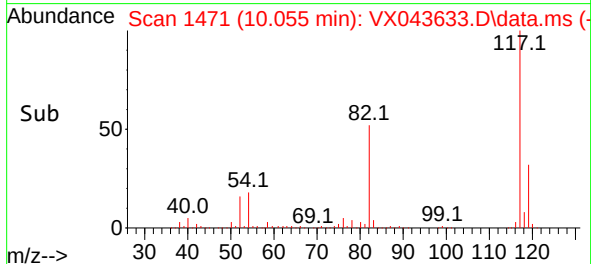
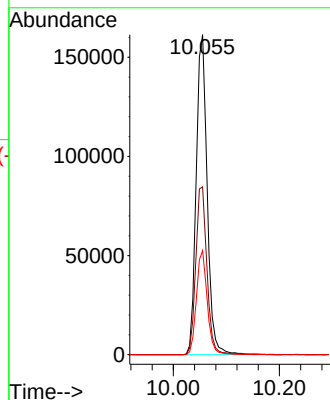
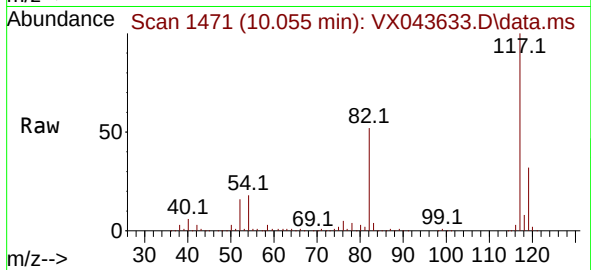




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043633.D
Acq: 30 Oct 2024 18:39

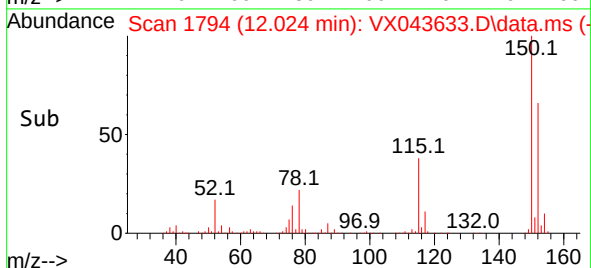
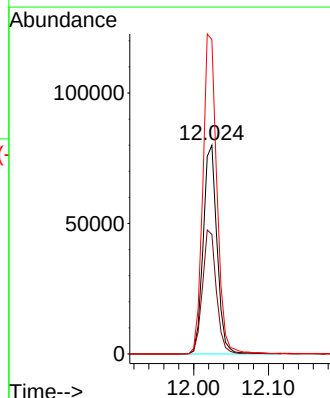
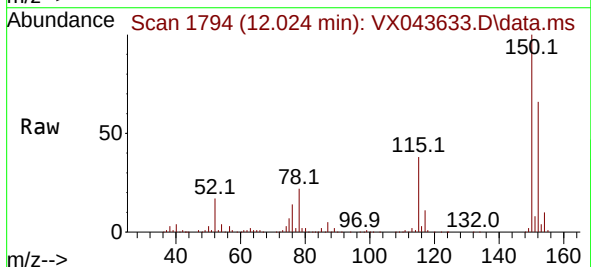
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#11

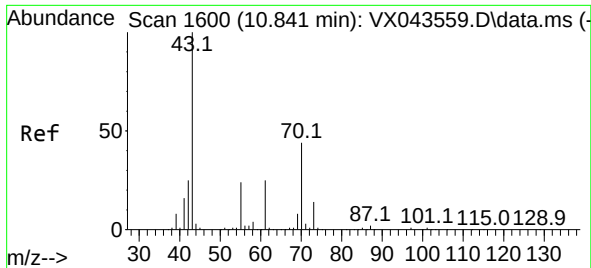
Tgt Ion:117 Resp: 232364
Ion Ratio Lower Upper
117 100
82 52.5 42.1 63.1
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043633.D
Acq: 30 Oct 2024 18:39

Tgt Ion:152 Resp: 102951
Ion Ratio Lower Upper
152 100
115 59.9 42.9 128.7
150 155.5 0.0 343.6

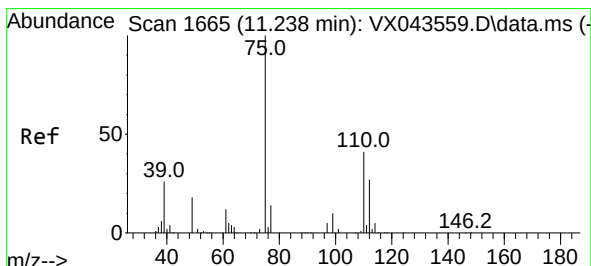
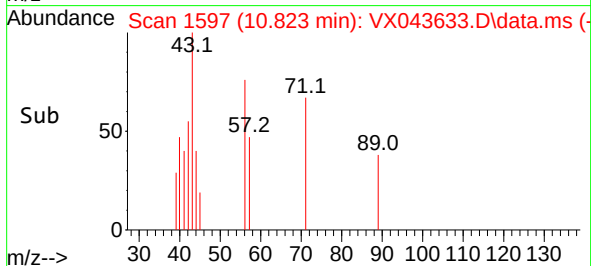
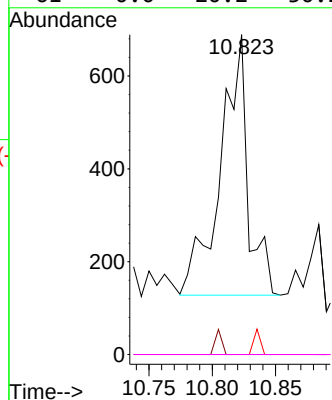
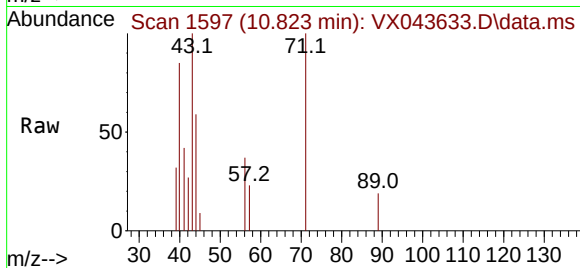




#74
N-amy1 acetate
Concen: 0.238 ug/l
RT: 10.823 min Scan# 1639
Delta R.T. -0.018 min
Lab File: VX043633.D
Acq: 30 Oct 2024 18:39

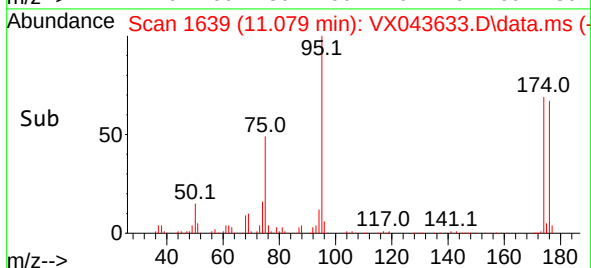
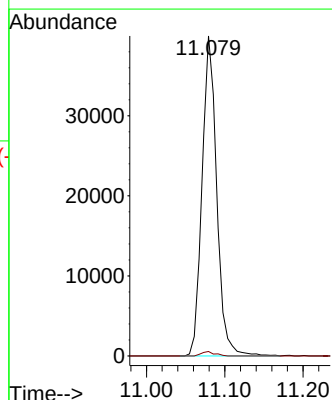
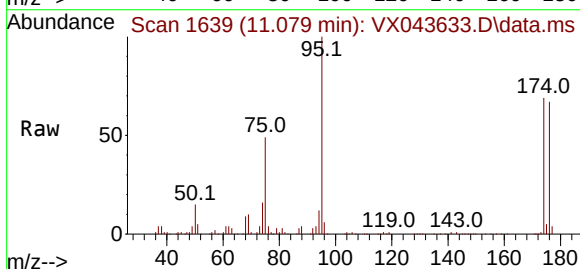
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#11

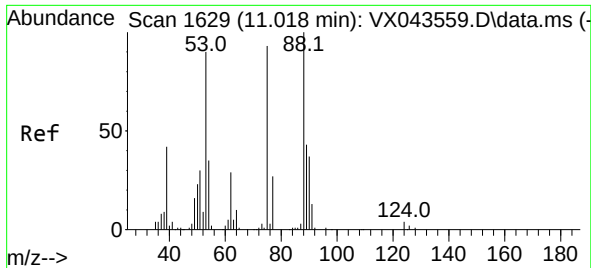
Tgt Ion: 43	Resp:	847
Ion	Ratio	Lower Upper
43	100	
70	0.0	34.6 52.0#
55	0.0	19.6 29.4#
61	0.0	20.2 30.2#



#76
1,2,3-Trichloropropane
Concen: 23.626 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043633.D
Acq: 30 Oct 2024 18:39

Tgt Ion: 75	Resp:	52007
Ion	Ratio	Lower Upper
75	100	
77	1.2	22.4 67.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.997 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043633.D
 Acq: 30 Oct 2024 18:39

Instrument :
 MSVOA_X
 ClientSampleId :
 PB164501ZHE#11

Tgt Ion: 75 Resp: 52007
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.6 126.8#
 89 0.0 38.6 58.0#

