

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
 Data File : VX043631.D
 Acq On : 30 Oct 2024 17:53
 Operator : JC/MD
 Sample : PB164501ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB164501ZHE#09

Quant Time: Oct 31 23:03:03 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

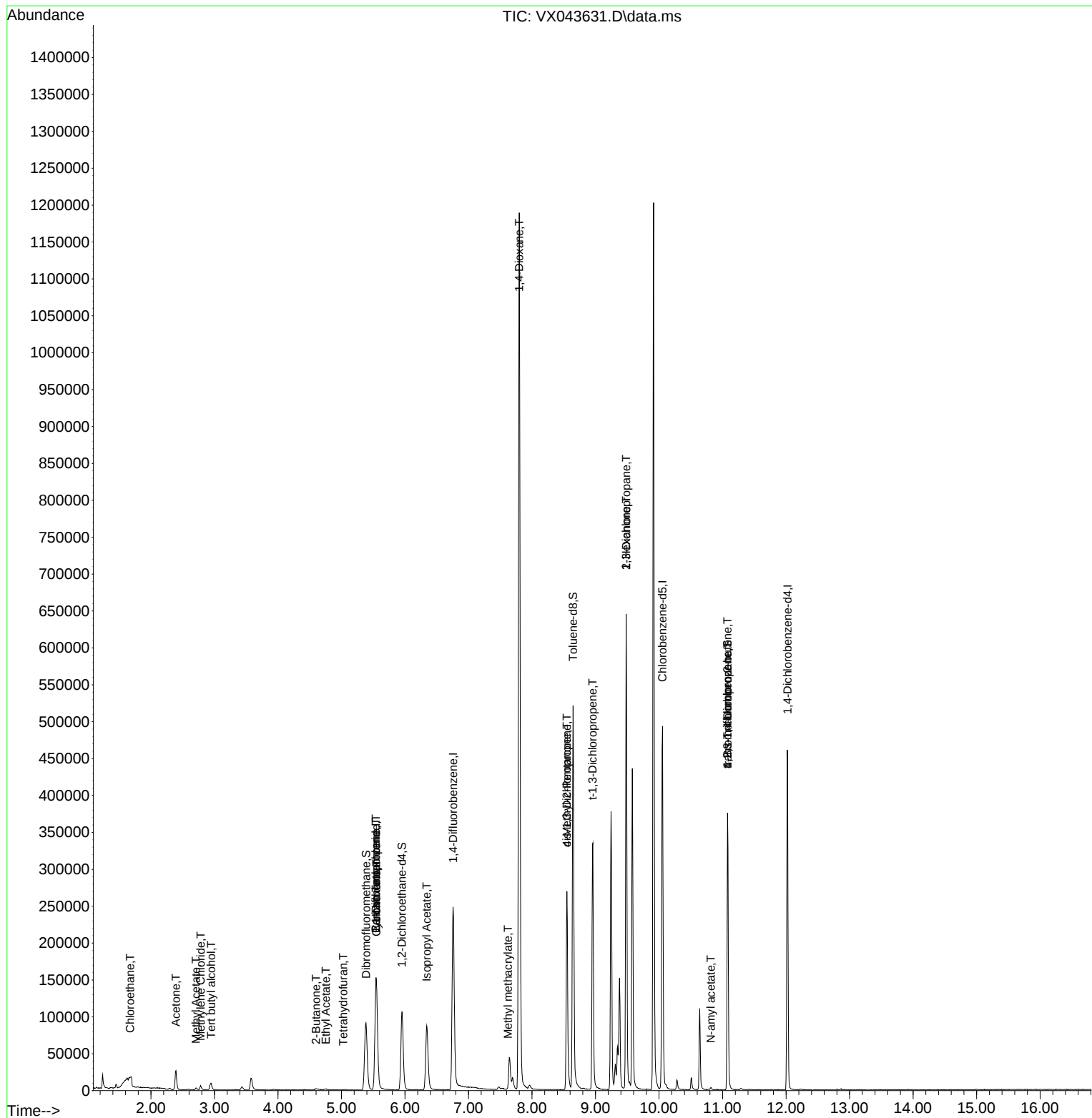
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	151985	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	279240	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	233094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	98645	40.705	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	81.400%
35) Dibromofluoromethane	5.385	113	83824	44.269	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.540%
50) Toluene-d8	8.647	98	319095	48.682	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.360%
62) 4-Bromofluorobenzene	11.079	95	106964	44.039	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	88.080%
Target Compounds						
					Qvalue	
6) Chloroethane	1.672	64	199	0.293	ug/l #	87
11) Tert butyl alcohol	2.947	59	5183	11.458	ug/l #	100
16) Acetone	2.392	43	29242	30.386	ug/l	98
18) Methyl Acetate	2.709	43	3658	1.301	ug/l	98
20) Methylene Chloride	2.782	84	2763	1.332	ug/l	92
25) 2-Butanone	4.599	43	2657	1.893	ug/l #	85
29) Tetrahydrofuran	5.025	42	264	0.289	ug/l #	32
31) Cyclohexane	5.550	56	3055	1.194	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	11271	5.020	ug/l #	49
37) Ethyl Acetate	4.751	43	1950	0.715	ug/l	97
38) Carbon Tetrachloride	5.544	117	15478	6.239	ug/l #	15
43) Isopropyl Acetate	6.342	43	123624	27.424	ug/l	97
48) Methyl methacrylate	7.623	41	3198	1.496	ug/l #	45
49) 1,4-Dioxane	7.799	88	203	4.623	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	93825	34.149	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	870	0.325	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	47962	16.823	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	5733	1.823	ug/l #	42
59) 2-Hexanone	9.482	43	75177	36.025	ug/l #	52
74) N-amyl acetate	10.817	43	862	0.234	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	51927	22.743	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	51927	62.566	ug/l #	7

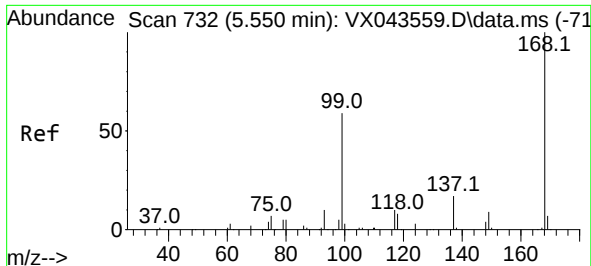
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043631.D
Acq On : 30 Oct 2024 17:53
Operator : JC/MD
Sample : PB164501ZHE#09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#09

Quant Time: Oct 31 23:03:03 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

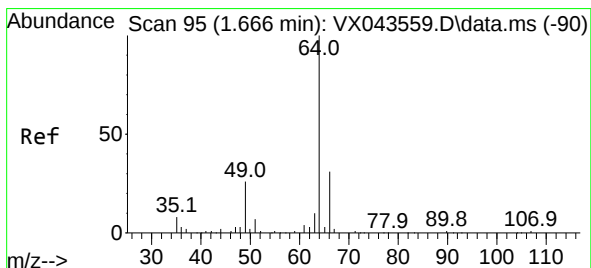
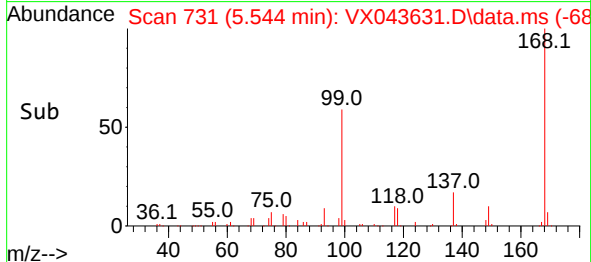
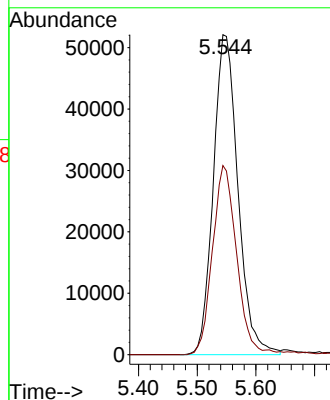
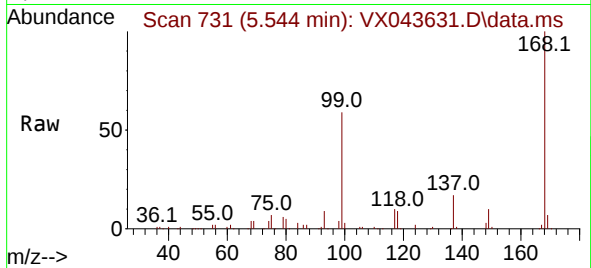




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043631.D
Acq: 30 Oct 2024 17:53

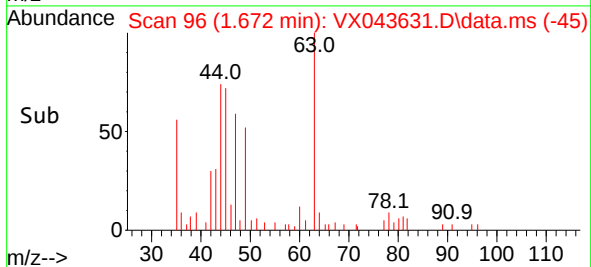
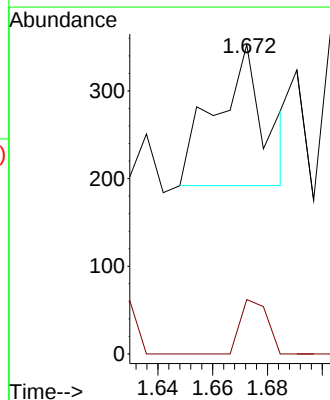
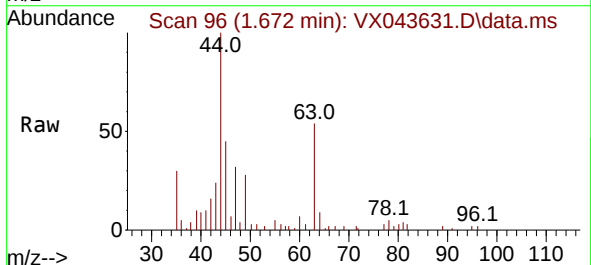
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#09

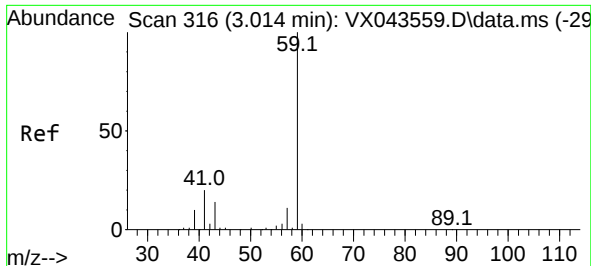
Tgt Ion:168 Resp: 151985
Ion Ratio Lower Upper
168 100
99 59.1 52.6 78.8



#6
Chloroethane
Concen: 0.293 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.012 min
Lab File: VX043631.D
Acq: 30 Oct 2024 17:53

Tgt Ion: 64 Resp: 199
Ion Ratio Lower Upper
64 100
66 38.5 25.1 37.7#





#11

Tert butyl alcohol

Concen: 11.458 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.103 min

Lab File: VX043631.D

Acq: 30 Oct 2024 17:53

Instrument :

MSVOA_X

ClientSampleId :

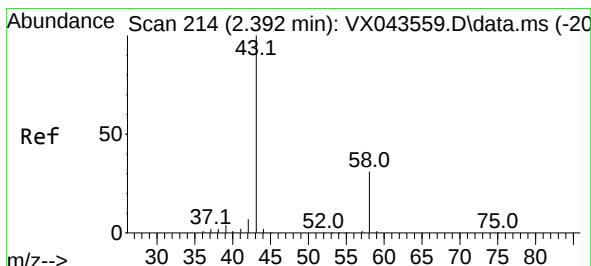
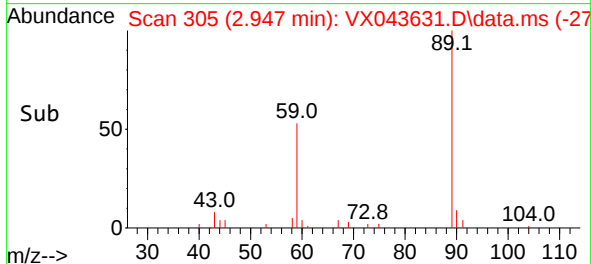
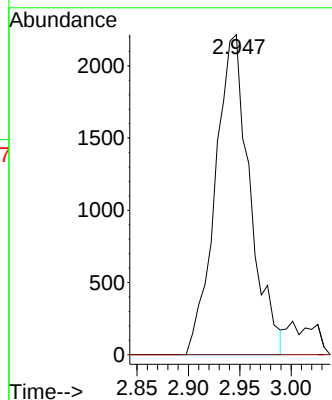
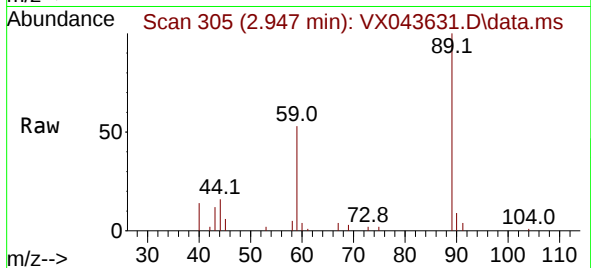
PB164501ZHE#09

Tgt Ion: 59 Resp: 5183

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



#16

Acetone

Concen: 30.386 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX043631.D

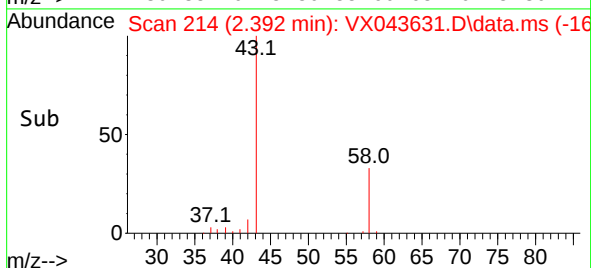
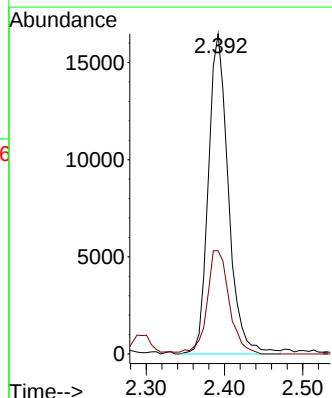
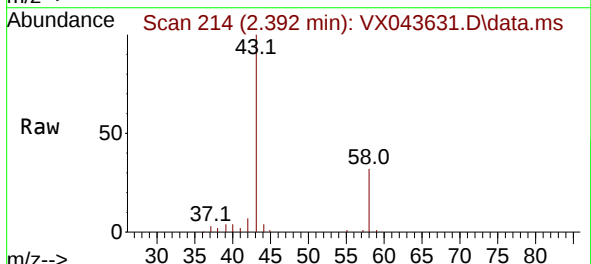
Acq: 30 Oct 2024 17:53

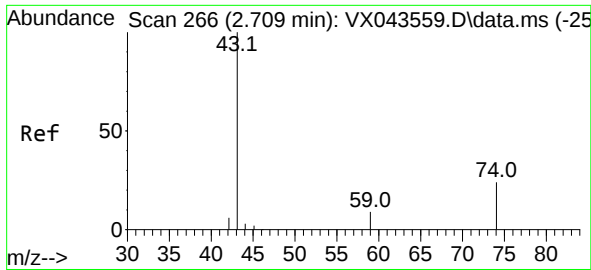
Tgt Ion: 43 Resp: 29242

Ion Ratio Lower Upper

43 100

58 32.2 25.1 37.7





#18

Methyl Acetate

Concen: 1.301 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.000 min

Lab File: VX043631.D

Acq: 30 Oct 2024 17:53

Instrument :

MSVOA_X

ClientSampleId :

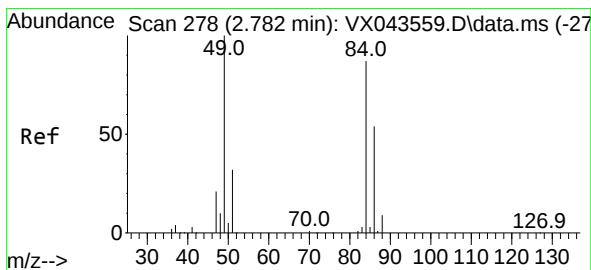
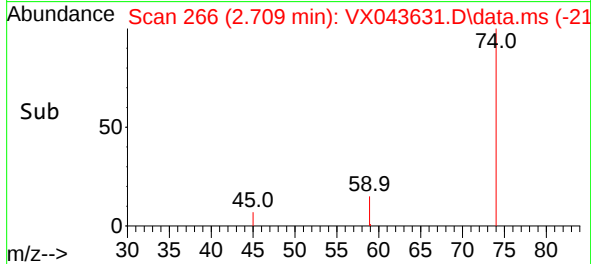
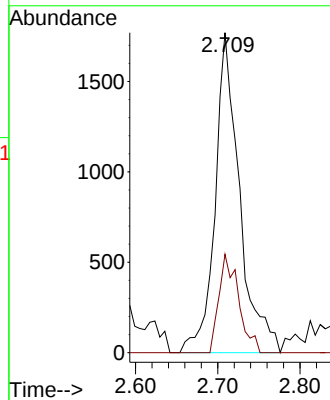
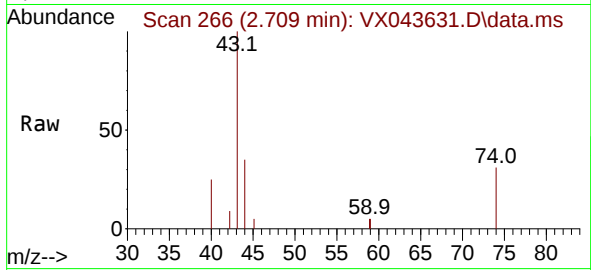
PB164501ZHE#09

Tgt Ion: 43 Resp: 3658

Ion Ratio Lower Upper

43 100

74 24.8 19.1 28.7



#20

Methylene Chloride

Concen: 1.332 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043631.D

Acq: 30 Oct 2024 17:53

Tgt Ion: 84 Resp: 2763

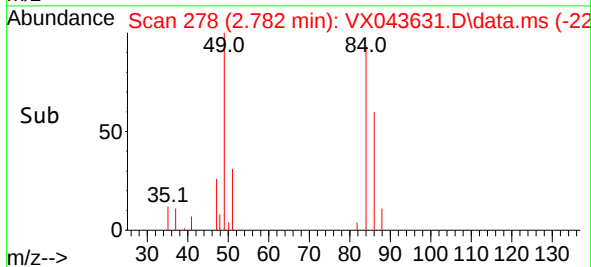
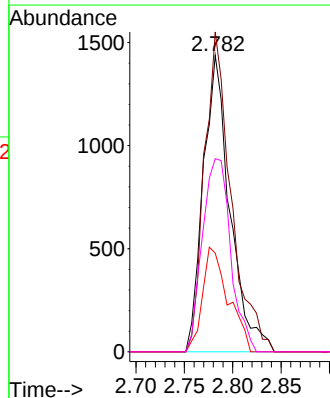
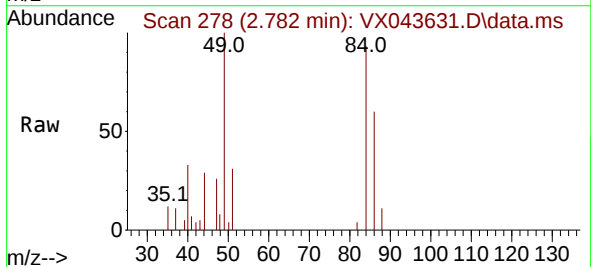
Ion Ratio Lower Upper

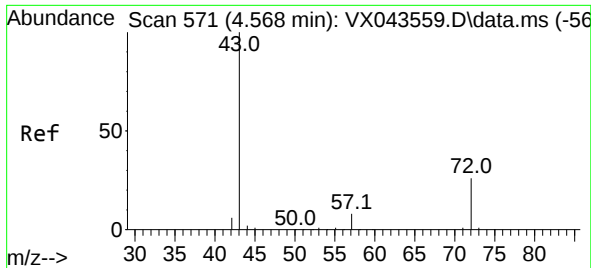
84 100

49 107.9 97.0 145.6

51 33.3 29.8 44.8

86 65.2 53.1 79.7

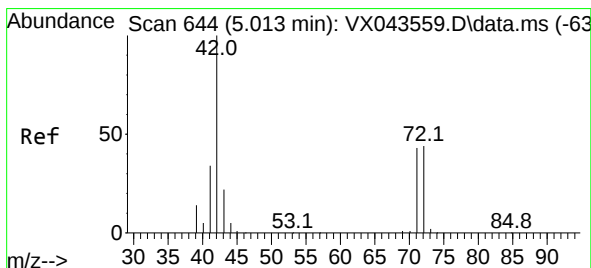
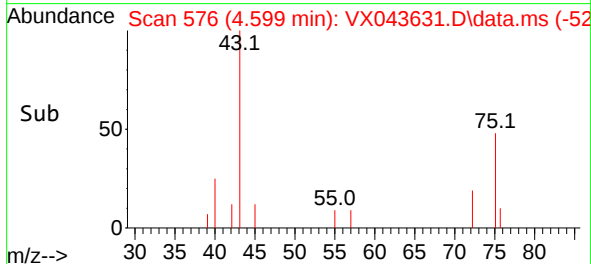
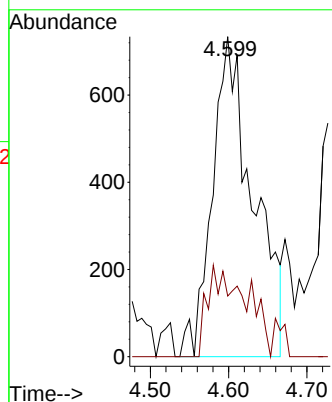
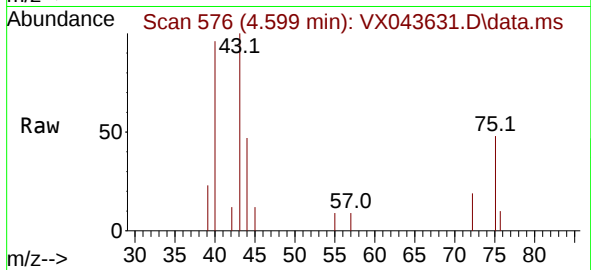




#25
2-Butanone
Concen: 1.893 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX043631.D
Acq: 30 Oct 2024 17:53

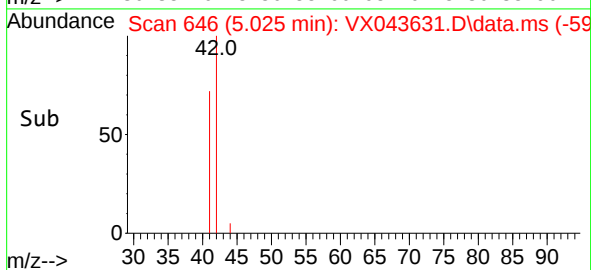
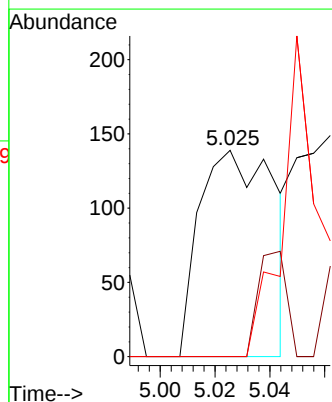
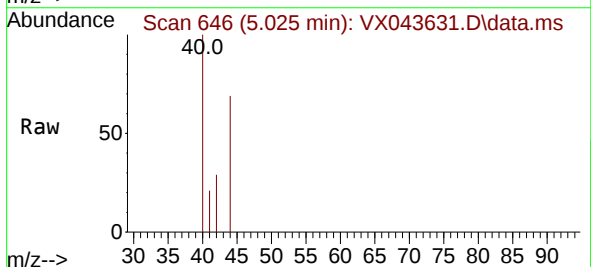
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#09

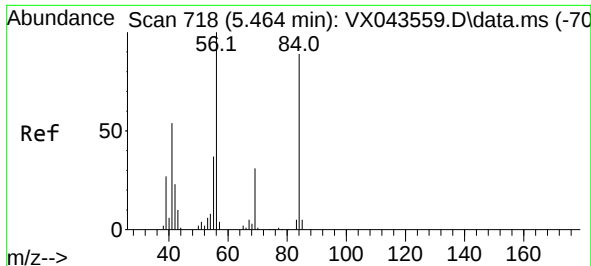
Tgt Ion: 43 Resp: 2657
Ion Ratio Lower Upper
43 100
72 18.9 21.1 31.7#



#29
Tetrahydrofuran
Concen: 0.289 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.012 min
Lab File: VX043631.D
Acq: 30 Oct 2024 17:53

Tgt Ion: 42 Resp: 264
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 0.0 34.2 51.4#

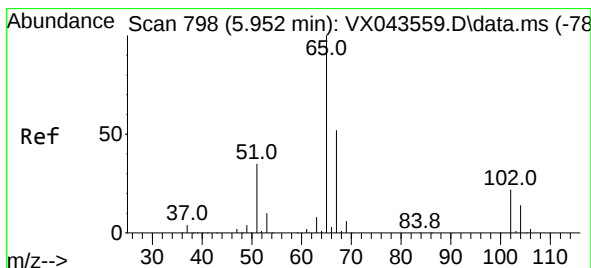
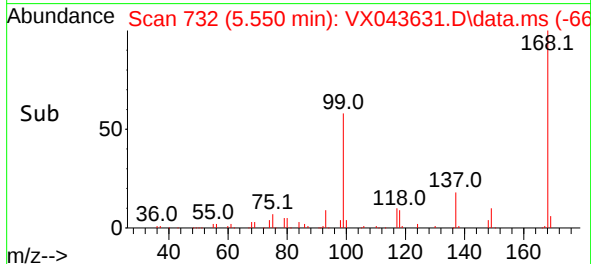
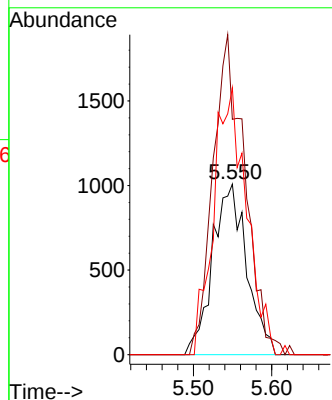
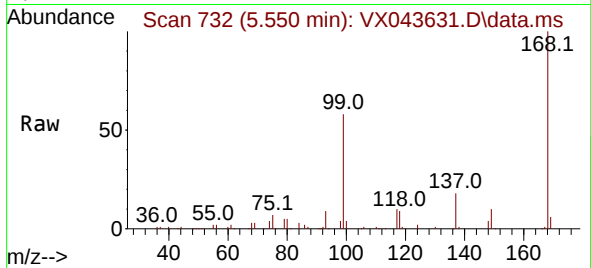




#31
Cyclohexane
Concen: 1.194 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX043631.D
Acq: 30 Oct 2024 17:53

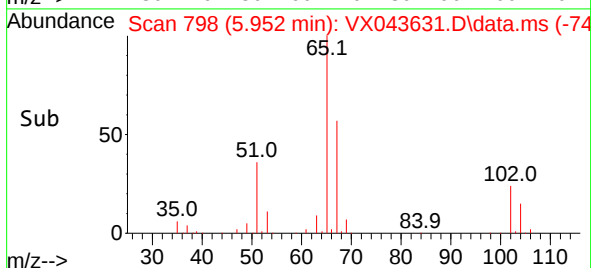
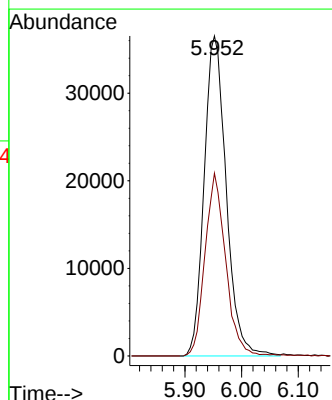
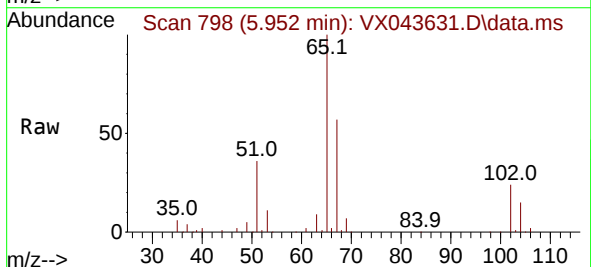
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#09

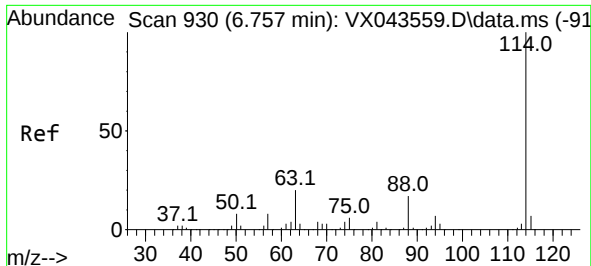
Tgt Ion: 56 Resp: 3055
Ion Ratio Lower Upper
56 100
69 138.1 24.9 37.3#
84 156.5 73.3 109.9#



#33
1,2-Dichloroethane-d4
Concen: 40.705 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043631.D
Acq: 30 Oct 2024 17:53

Tgt Ion: 65 Resp: 98645
Ion Ratio Lower Upper
65 100
67 53.9 0.0 103.4

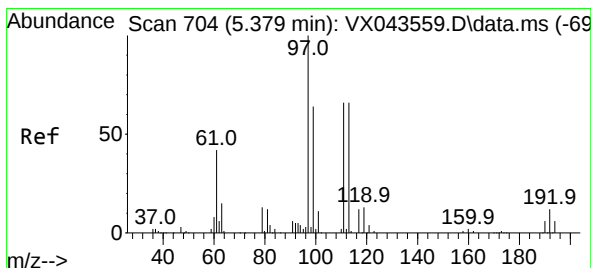
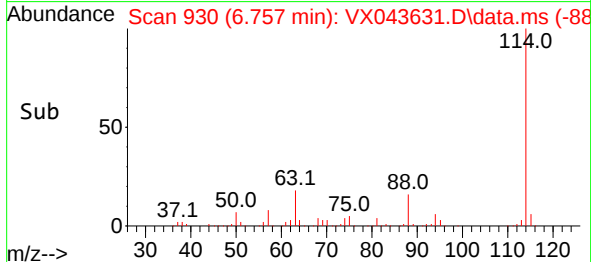
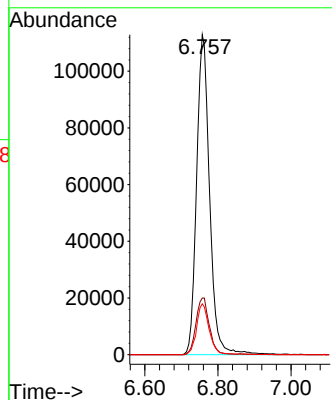
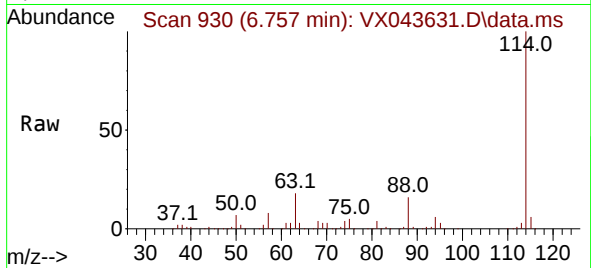




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX043631.D
Acq: 30 Oct 2024 17:53

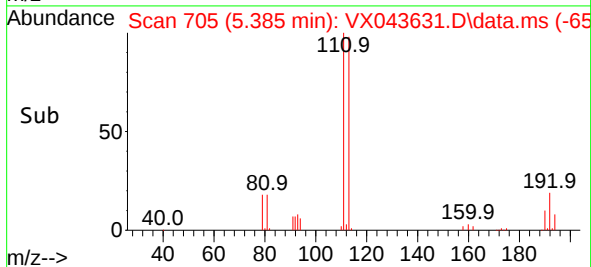
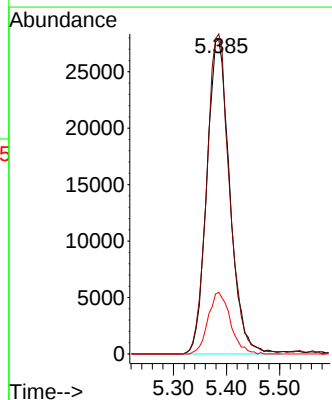
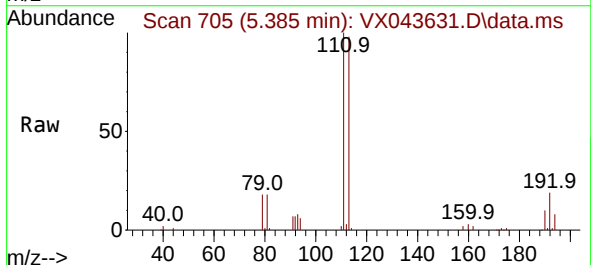
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#09

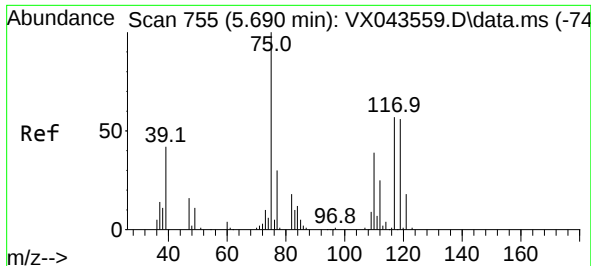
Tgt Ion:114 Resp: 279240
Ion Ratio Lower Upper
114 100
63 17.7 0.0 41.2
88 15.9 0.0 34.0



#35
Dibromofluoromethane
Concen: 44.269 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043631.D
Acq: 30 Oct 2024 17:53

Tgt Ion:113 Resp: 83824
Ion Ratio Lower Upper
113 100
111 101.0 81.4 122.0
192 19.0 14.1 21.1





#36

1,1-Dichloropropene

Concen: 5.020 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX043631.D

Acq: 30 Oct 2024 17:53

Instrument :

MSVOA_X

ClientSampleId :

PB164501ZHE#09

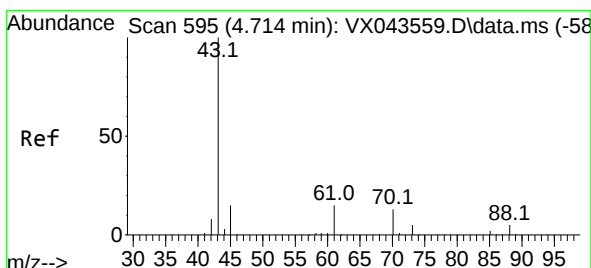
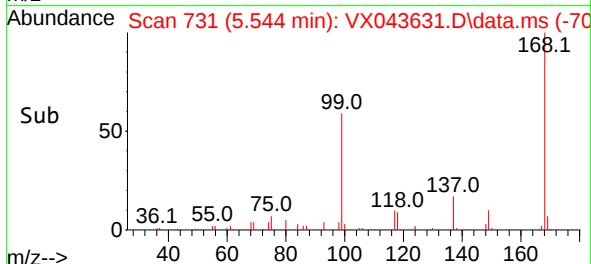
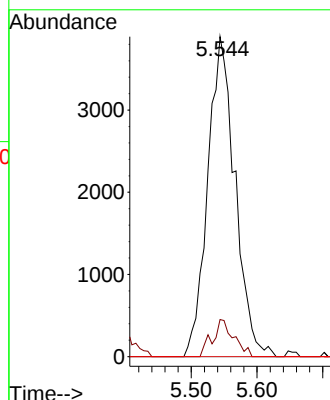
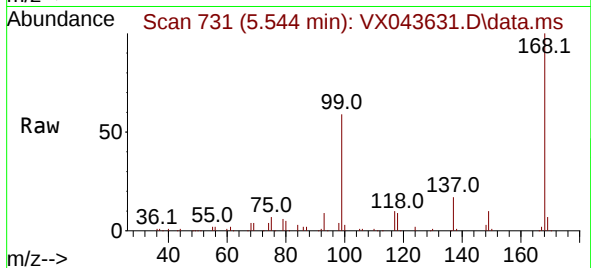
Tgt Ion: 75 Resp: 11271

Ion Ratio Lower Upper

75 100

110 9.0 17.9 53.7#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.715 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.031 min

Lab File: VX043631.D

Acq: 30 Oct 2024 17:53

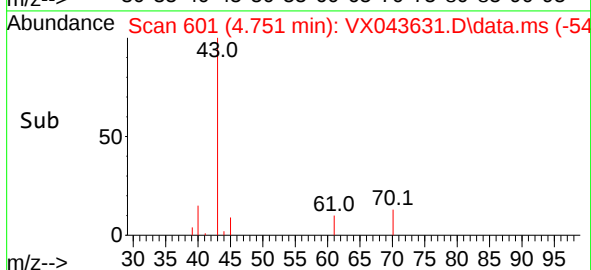
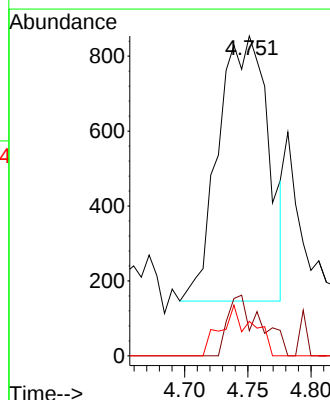
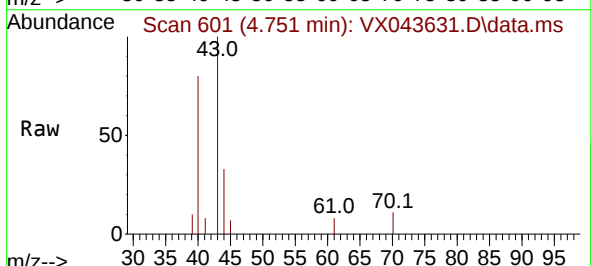
Tgt Ion: 43 Resp: 1950

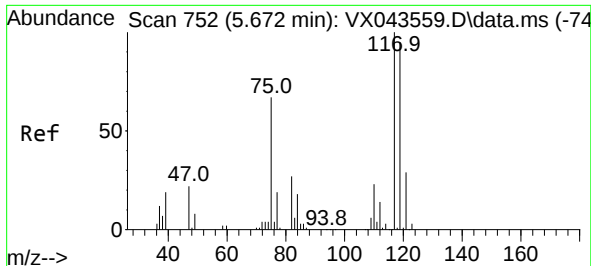
Ion Ratio Lower Upper

43 100

61 14.9 11.0 16.6

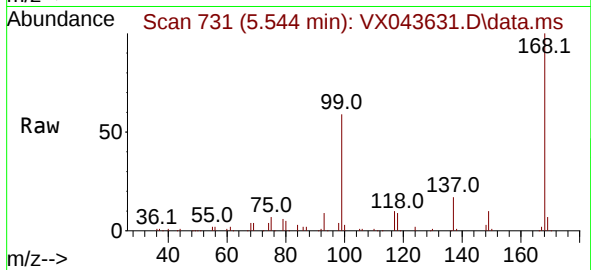
70 12.2 8.9 13.3



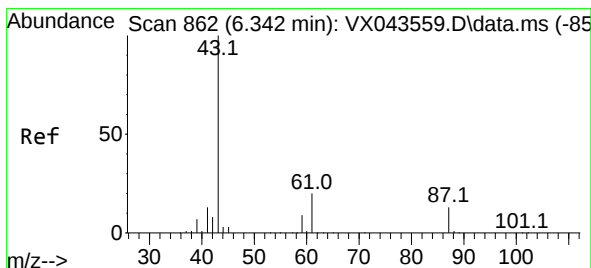
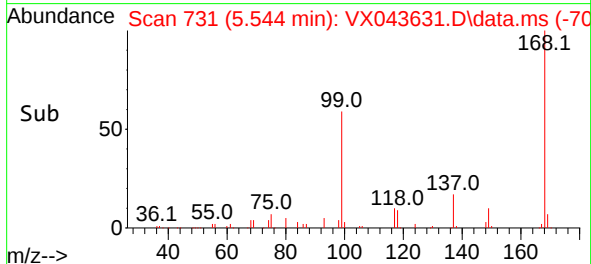
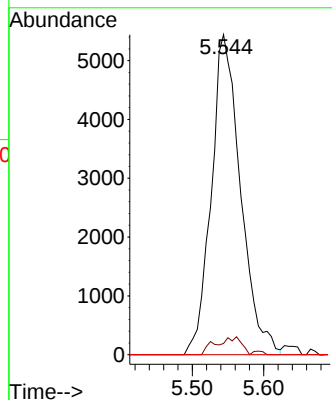


#38
Carbon Tetrachloride
Concen: 6.239 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX043631.D
Acq: 30 Oct 2024 17:53

Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#09

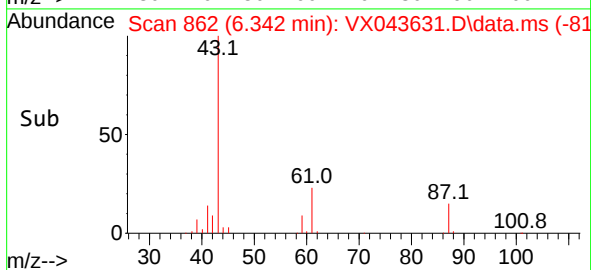
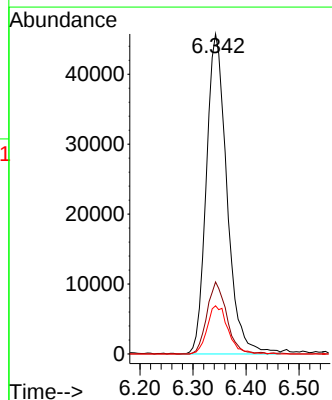
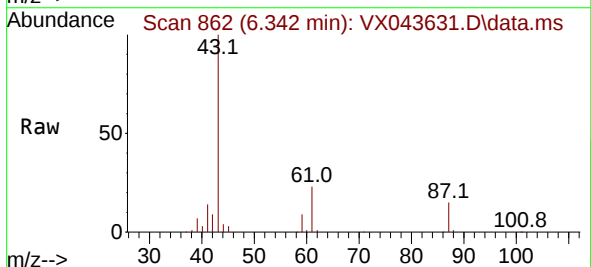


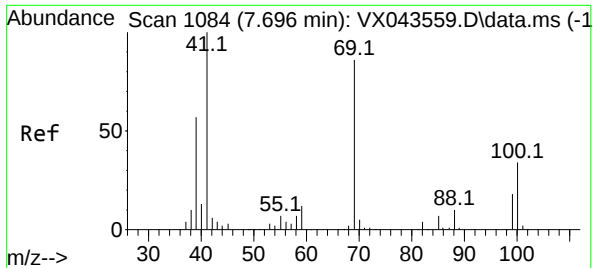
Tgt Ion:117 Resp: 15478
Ion Ratio Lower Upper
117 100
119 3.5 77.0 115.6#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 27.424 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX043631.D
Acq: 30 Oct 2024 17:53

Tgt Ion: 43 Resp: 123624
Ion Ratio Lower Upper
43 100
61 21.5 16.2 24.4
87 15.2 11.0 16.6

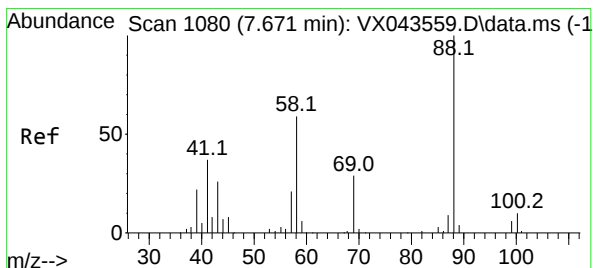
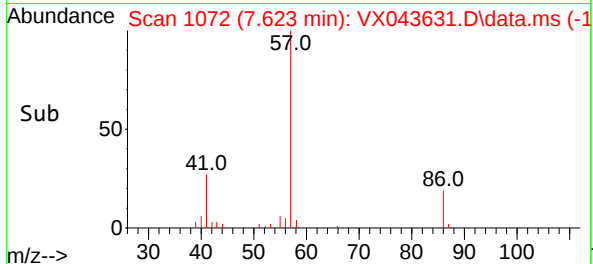
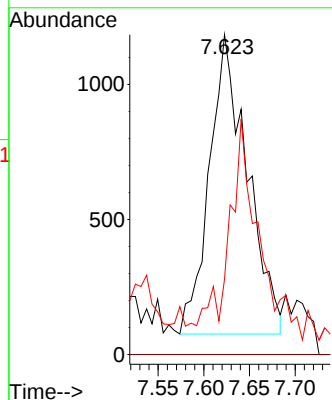
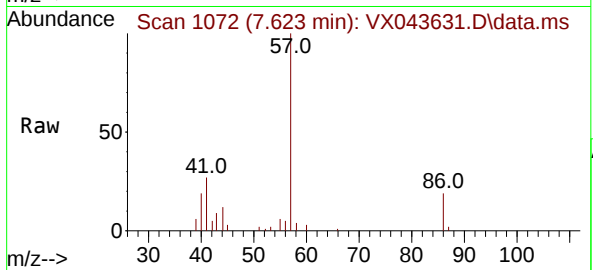




#48
Methyl methacrylate
Concen: 1.496 ug/l
RT: 7.623 min Scan# 1101
Delta R.T. -0.073 min
Lab File: VX043631.D
Acq: 30 Oct 2024 17:53

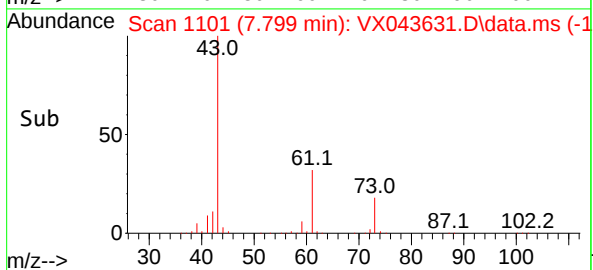
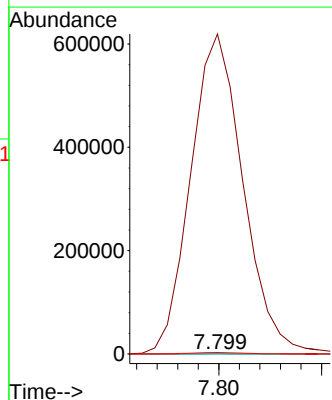
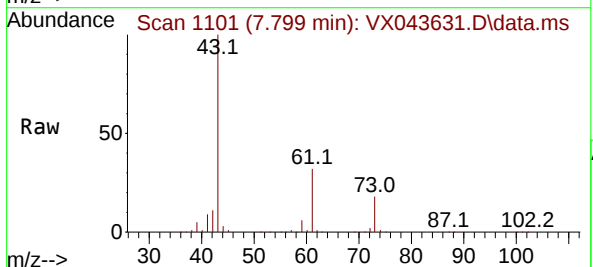
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#09

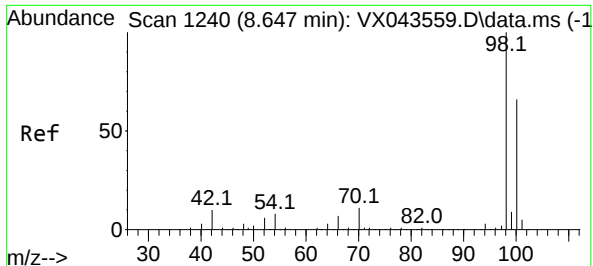
Tgt Ion: 41 Resp: 3198
Ion Ratio Lower Upper
41 100
69 0.0 67.7 101.5#
39 57.9 46.3 69.5



#49
1,4-Dioxane
Concen: 4.623 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.128 min
Lab File: VX043631.D
Acq: 30 Oct 2024 17:53

Tgt Ion: 88 Resp: 203
Ion Ratio Lower Upper
88 100
43 546615.3 25.3 37.9#
58 2481.3 53.9 80.9#

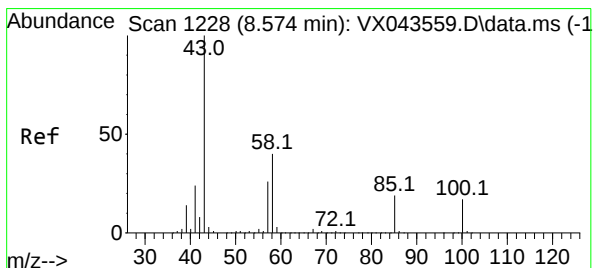
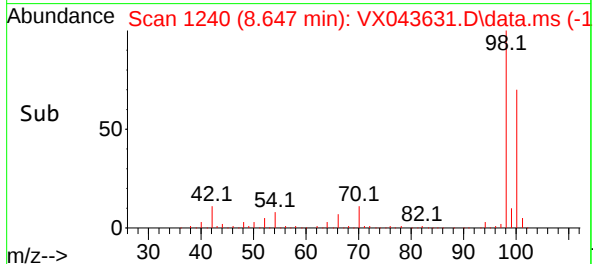
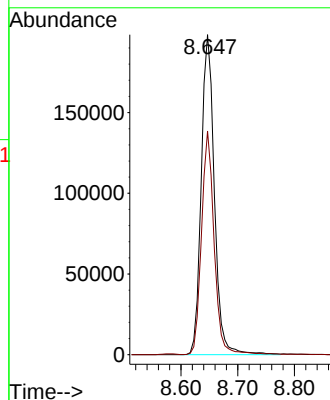
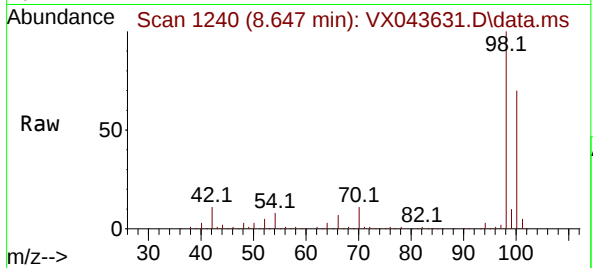




#50
Toluene-d8
Concen: 48.682 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043631.D
Acq: 30 Oct 2024 17:53

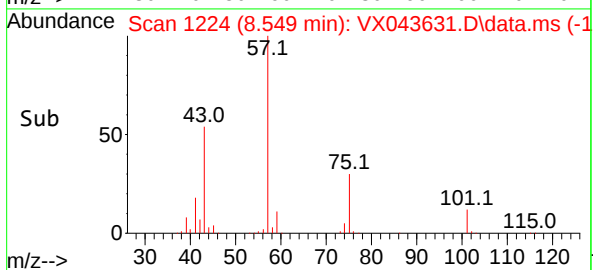
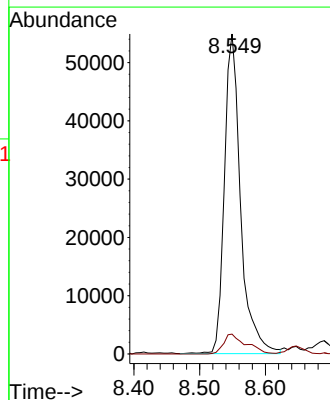
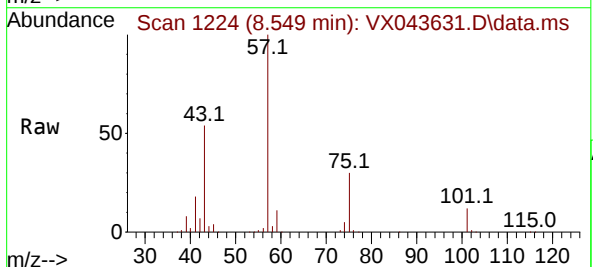
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#09

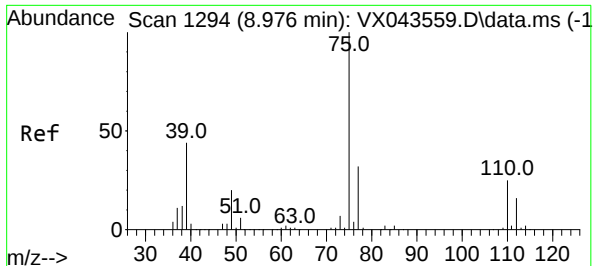
Tgt Ion: 98 Resp: 319095
Ion Ratio Lower Upper
98 100
100 67.1 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 34.149 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX043631.D
Acq: 30 Oct 2024 17:53

Tgt Ion: 43 Resp: 93825
Ion Ratio Lower Upper
43 100
58 8.7 31.7 47.5#





#53

t-1,3-Dichloropropene

Concen: 0.325 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX043631.D

Acq: 30 Oct 2024 17:53

Instrument :

MSVOA_X

ClientSampleId :

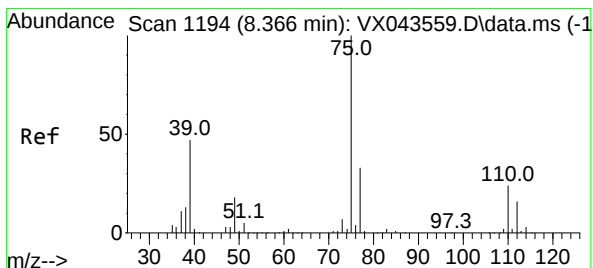
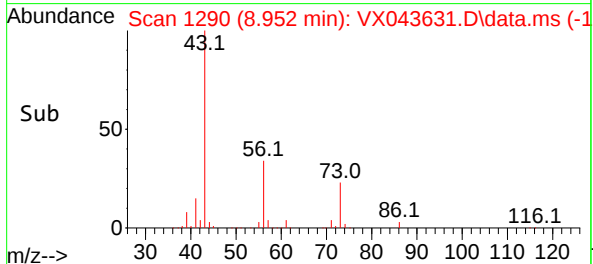
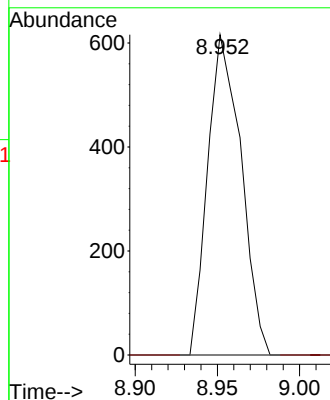
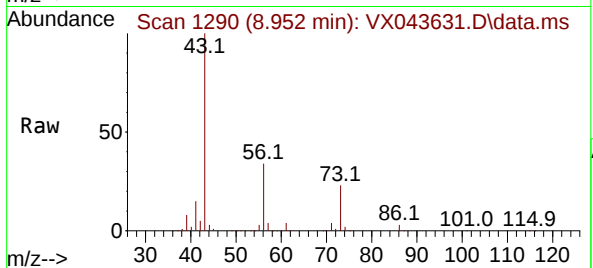
PB164501ZHE#09

Tgt Ion: 75 Resp: 870

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#



#54

cis-1,3-Dichloropropene

Concen: 16.823 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX043631.D

Acq: 30 Oct 2024 17:53

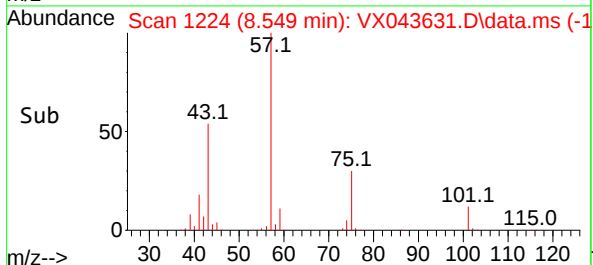
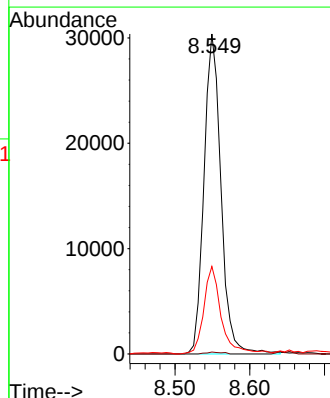
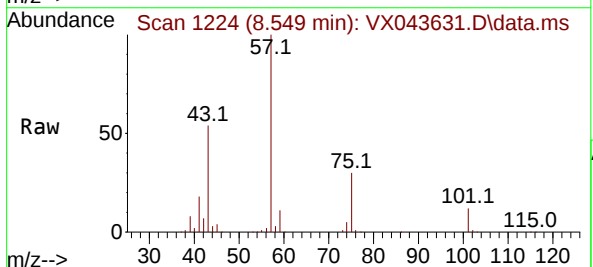
Tgt Ion: 75 Resp: 47962

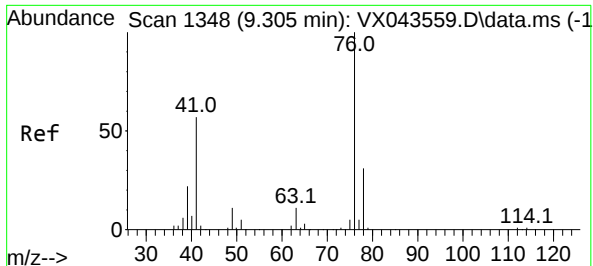
Ion Ratio Lower Upper

75 100

77 0.6 24.8 37.2#

39 27.4 37.7 56.5#

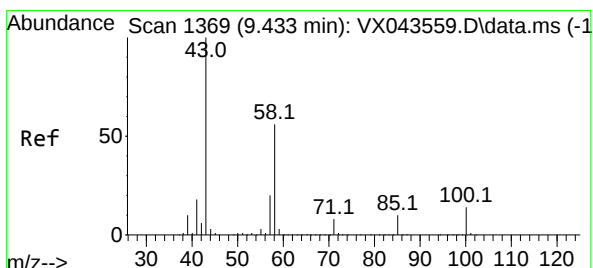
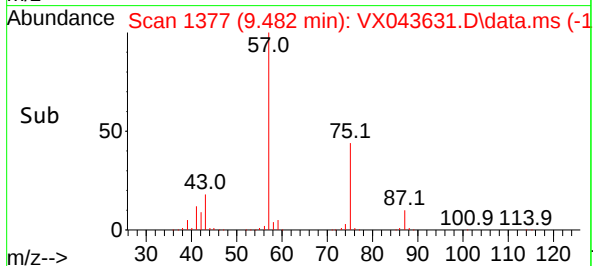
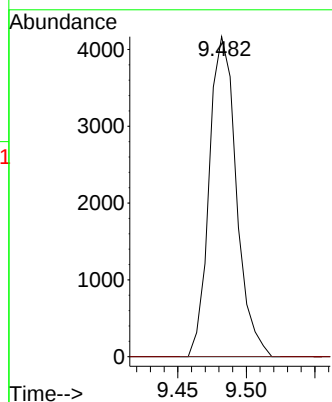
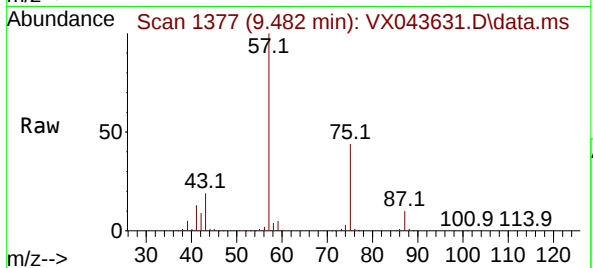




#57
1,3-Dichloropropane
Concen: 1.823 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX043631.D
Acq: 30 Oct 2024 17:53

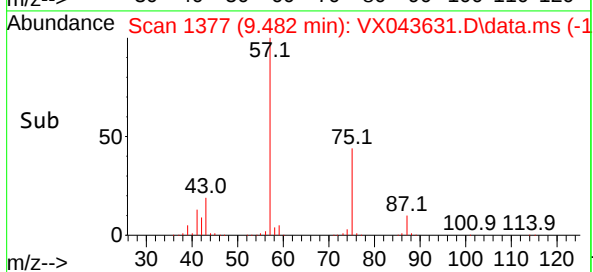
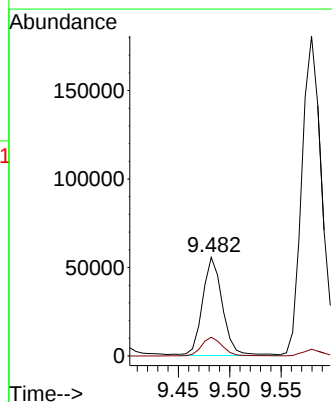
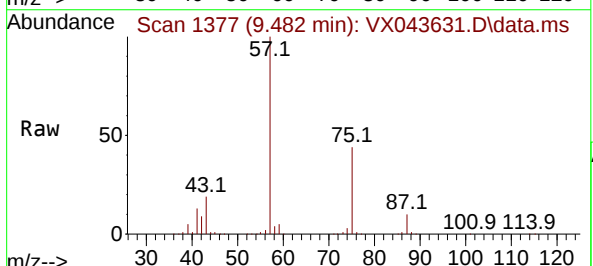
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#09

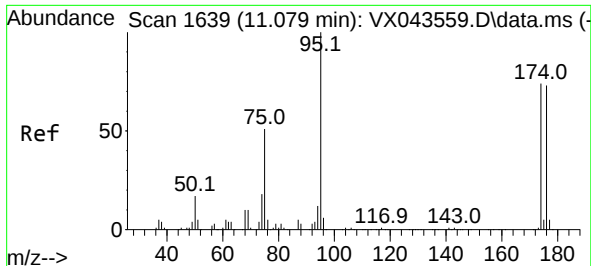
Tgt Ion: 76 Resp: 5733
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#



#59
2-Hexanone
Concen: 36.025 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX043631.D
Acq: 30 Oct 2024 17:53

Tgt Ion: 43 Resp: 75177
Ion Ratio Lower Upper
43 100
58 20.3 27.5 82.5#

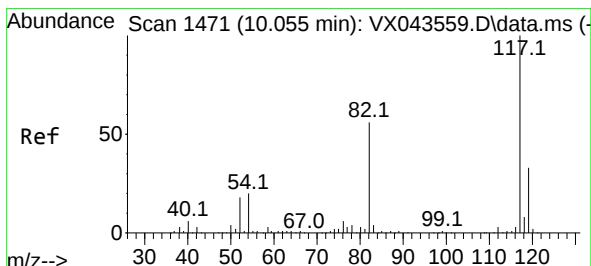
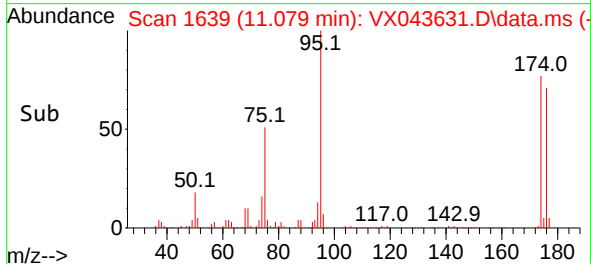
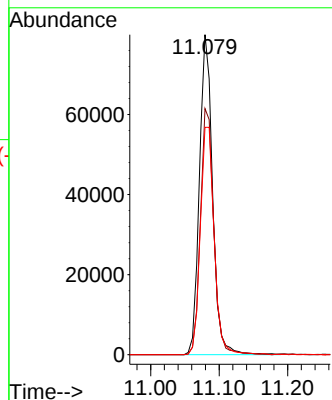
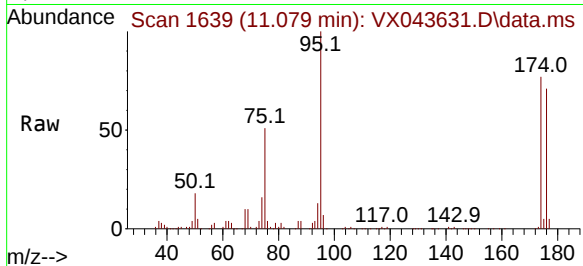




#62
4-Bromofluorobenzene
Concen: 44.039 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043631.D
Acq: 30 Oct 2024 17:53

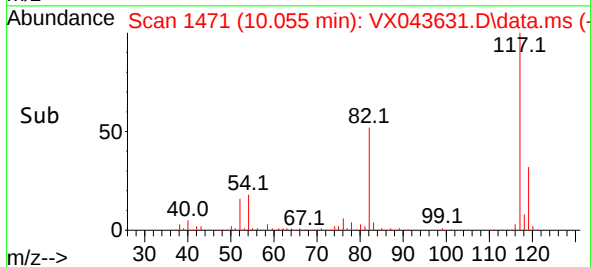
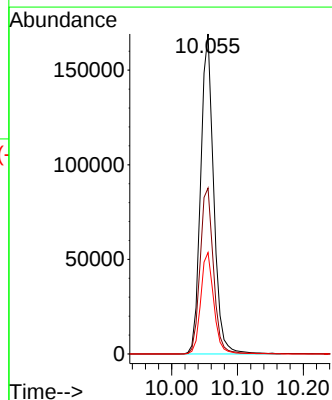
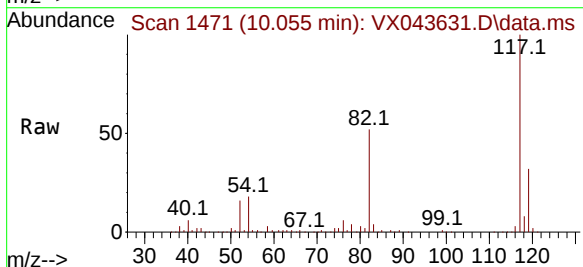
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#09

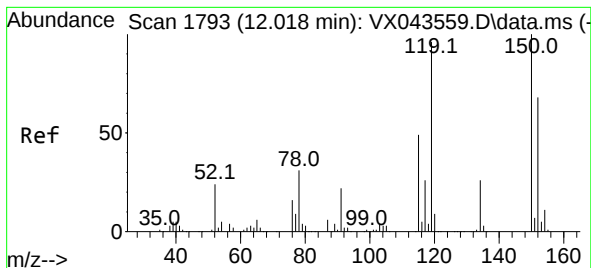
Tgt Ion: 95 Resp: 106964
Ion Ratio Lower Upper
95 100
174 77.8 0.0 146.6
176 74.9 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043631.D
Acq: 30 Oct 2024 17:53

Tgt Ion: 117 Resp: 233094
Ion Ratio Lower Upper
117 100
82 51.8 42.1 63.1
119 31.7 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX043631.D

Acq: 30 Oct 2024 17:53

Instrument :

MSVOA_X

ClientSampleId :

PB164501ZHE#09

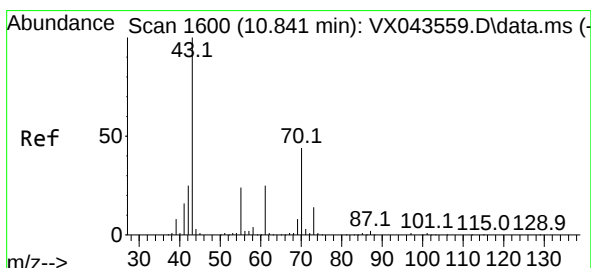
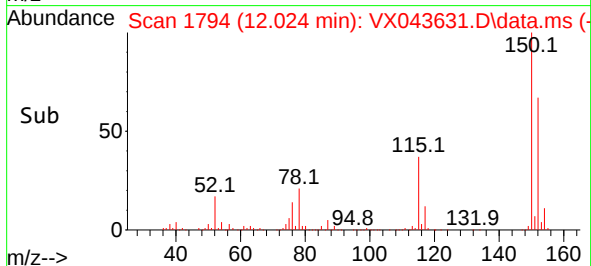
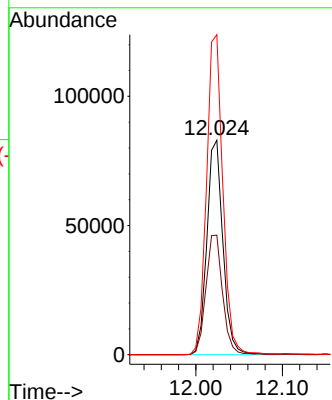
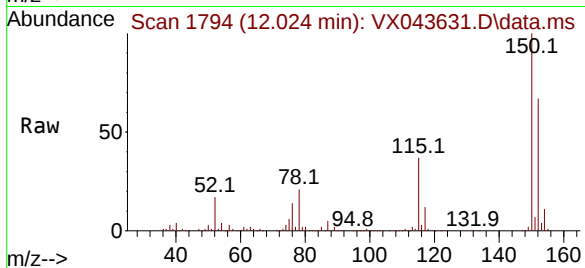
Tgt Ion:152 Resp: 106787

Ion Ratio Lower Upper

152 100

115 58.1 42.9 128.7

150 151.7 0.0 343.6



#74

N-ethyl acetate

Concen: 0.234 ug/l

RT: 10.817 min Scan# 1596

Delta R.T. -0.024 min

Lab File: VX043631.D

Acq: 30 Oct 2024 17:53

Tgt Ion: 43 Resp: 862

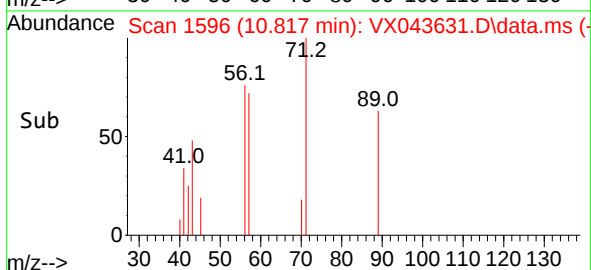
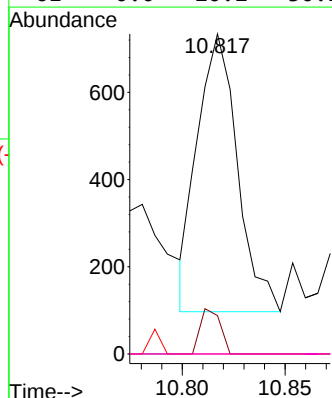
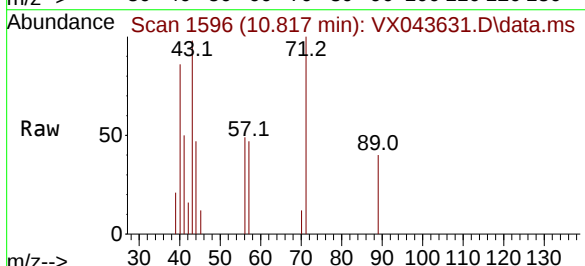
Ion Ratio Lower Upper

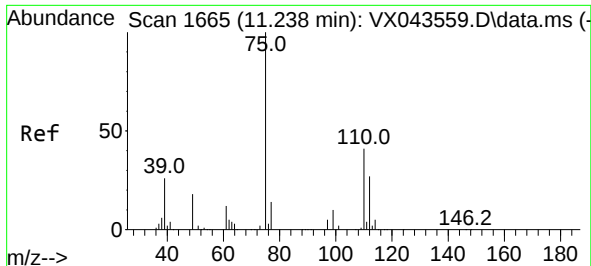
43 100

70 8.1 34.6 52.0#

55 0.0 19.6 29.4#

61 0.0 20.2 30.2#

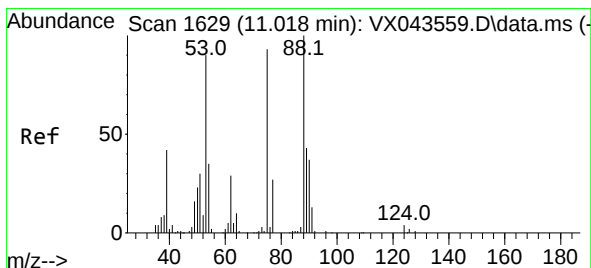
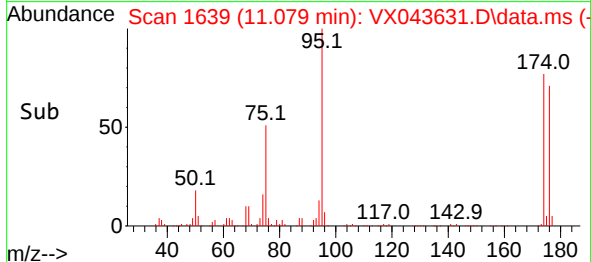
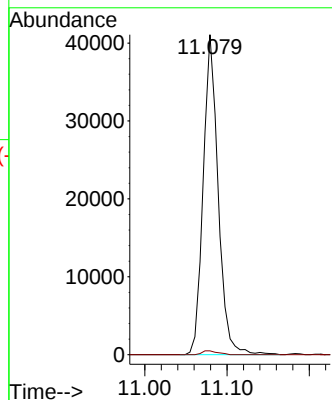
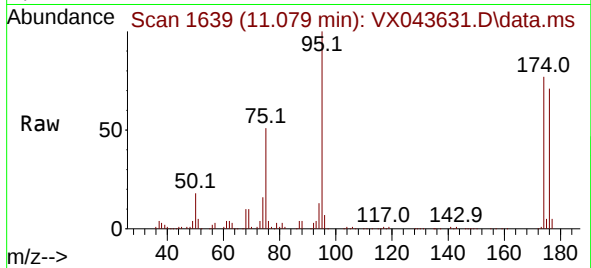




#76
1,2,3-Trichloropropane
Concen: 22.743 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043631.D
Acq: 30 Oct 2024 17:53

Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#09

Tgt Ion: 75 Resp: 51927
Ion Ratio Lower Upper
75 100
77 1.3 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.566 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043631.D
Acq: 30 Oct 2024 17:53

Tgt Ion: 75 Resp: 51927
Ion Ratio Lower Upper
75 100
53 0.0 84.6 126.8#
89 0.0 38.6 58.0#

