

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
 Data File : VX044457.D
 Acq On : 20 Dec 2024 17:06
 Operator : JC/MD
 Sample : PB165734TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB165734TB

Quant Time: Dec 20 22:28:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 12 04:28:14 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

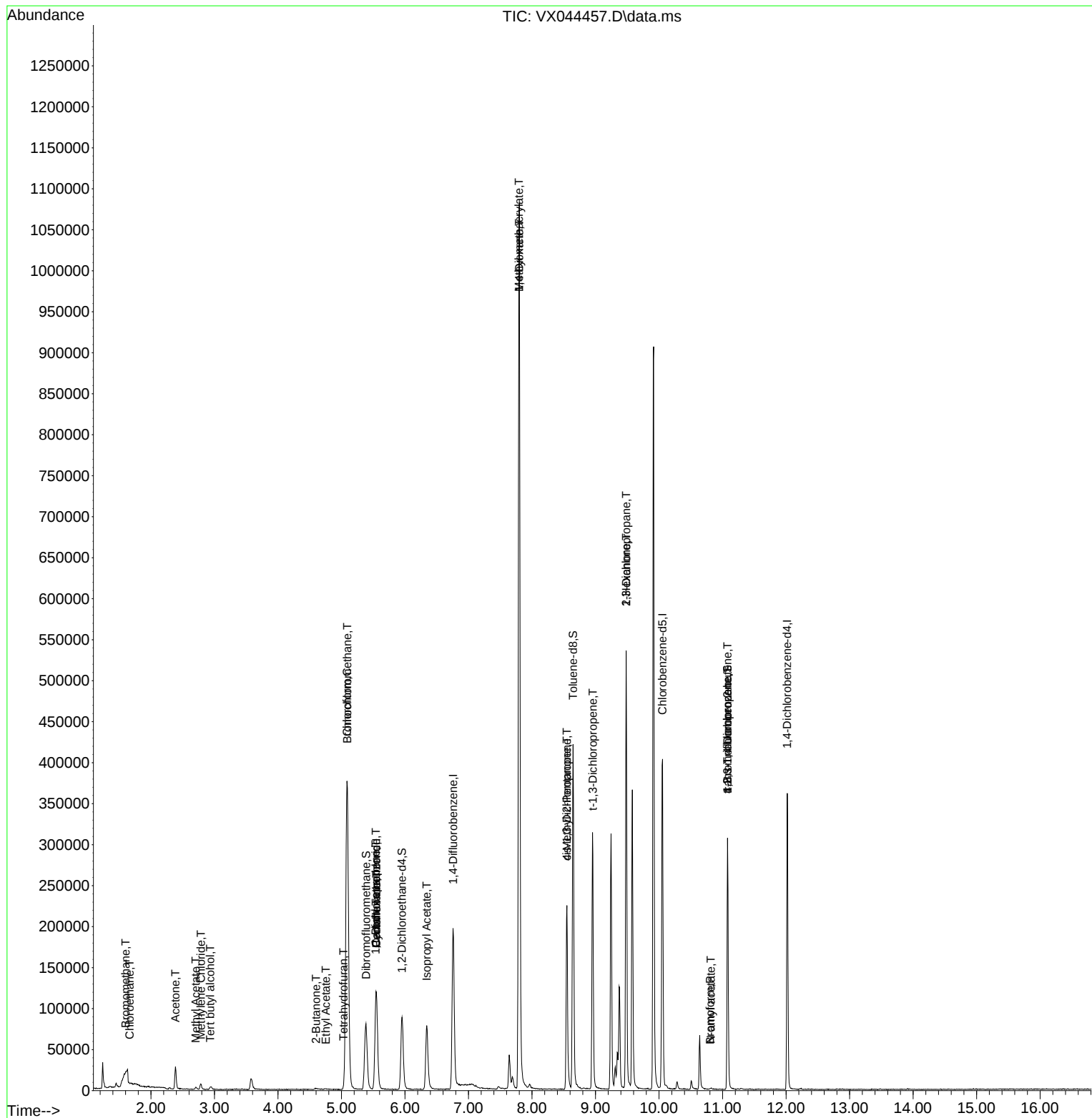
Internal Standards						
1) Pentafluorobenzene	5.550	168	115740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	206131	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	179989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	72950	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85857	42.309	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	84.620%
35) Dibromofluoromethane	5.385	113	68907	48.266	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.540%
50) Toluene-d8	8.647	98	247233	51.331	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.660%
62) 4-Bromofluorobenzene	11.079	95	77726	46.183	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.360%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	338	0.267	ug/l #	67
6) Chloroethane	1.666	64	260	0.234	ug/l #	41
11) Tert butyl alcohol	2.934	59	2104	7.357	ug/l #	71
16) Acetone	2.386	43	29329	35.451	ug/l	93
18) Methyl Acetate	2.703	43	3429	1.608	ug/l #	89
20) Methylene Chloride	2.788	84	3206	2.063	ug/l #	78
25) 2-Butanone	4.599	43	2064	1.755	ug/l	96
28) Bromochloromethane	5.092	49	37735	28.372	ug/l #	13
29) Tetrahydrofuran	5.032	42	398	0.527	ug/l #	49
30) Chloroform	5.086	83	453535	148.828	ug/l	99
31) Cyclohexane	5.550	56	2786	1.272	ug/l #	33
36) 1,1-Dichloropropene	5.537	75	9146	4.956	ug/l #	48
37) Ethyl Acetate	4.751	43	2119	0.929	ug/l #	75
38) Carbon Tetrachloride	5.544	117	12249	6.165	ug/l #	18
43) Isopropyl Acetate	6.342	43	108014	30.295	ug/l	98
48) Methyl methacrylate	7.793	41	102676	59.324	ug/l #	45
49) 1,4-Dioxane	7.799	88	172	5.994	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	81636	35.610	ug/l #	48
53) t-1,3-Dichloropropene	8.958	75	684	1.339	ug/l #	41
54) cis-1,3-Dichloropropene	8.549	75	34756	16.643	ug/l #	70
57) 1,3-Dichloropropane	9.482	76	4702	1.933	ug/l #	43
59) 2-Hexanone	9.482	43	64003	38.571	ug/l #	54
71) Bromoform	10.805	173	21	1.256	ug/l #	29
74) N-amyl acetate	10.817	43	628	0.243	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	41884	25.715	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	41884	71.043	ug/l #	4

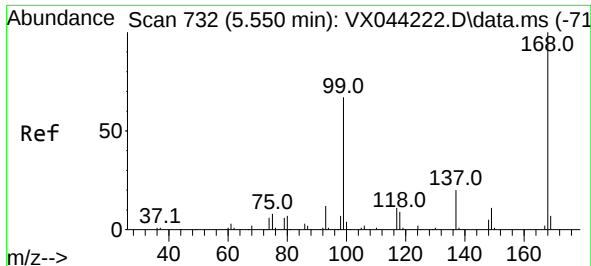
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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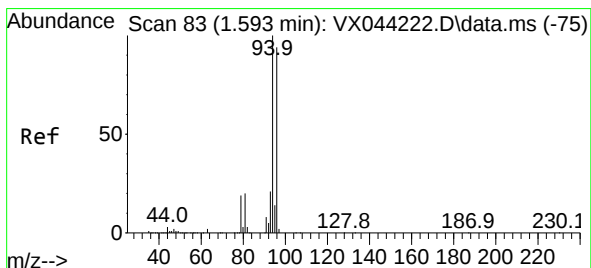
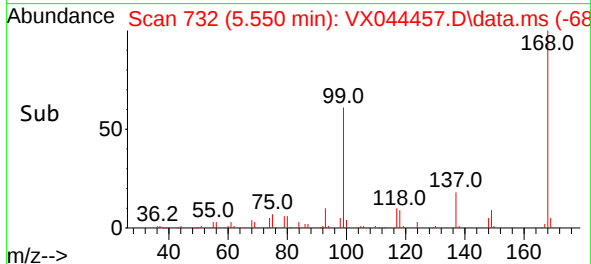
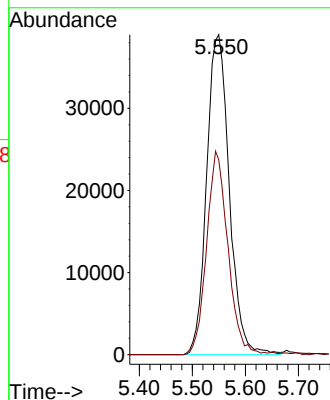
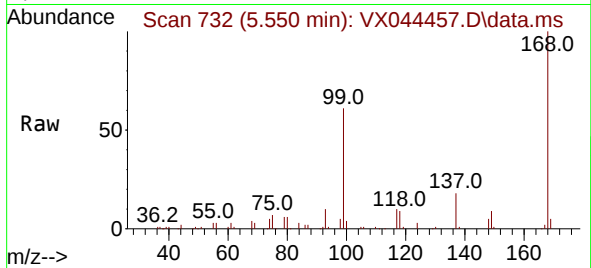




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044457.D
Acq: 20 Dec 2024 17:06

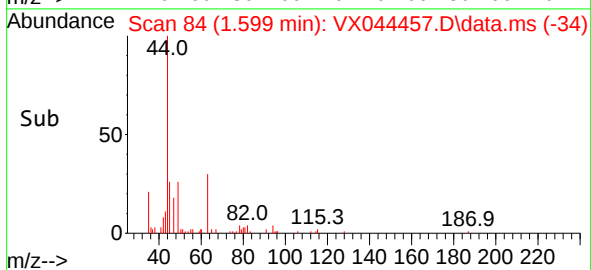
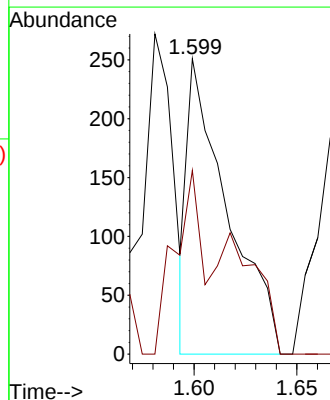
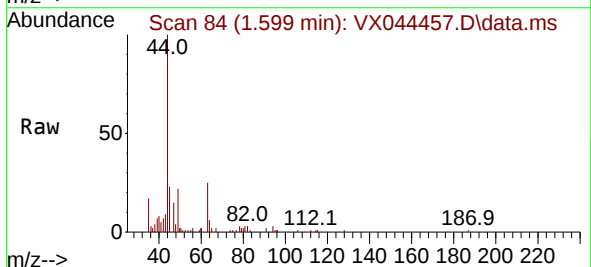
Instrument :
MSVOA_X
ClientSampleId :
PB165734TB

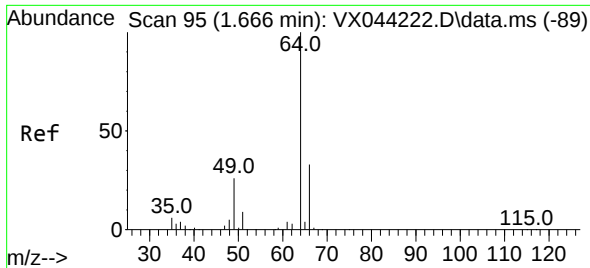
Tgt Ion:168 Resp: 115740
Ion Ratio Lower Upper
168 100
99 60.8 53.4 80.0



#5
Bromomethane
Concen: 0.267 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044457.D
Acq: 20 Dec 2024 17:06

Tgt Ion: 94 Resp: 338
Ion Ratio Lower Upper
94 100
96 62.2 74.9 112.3#

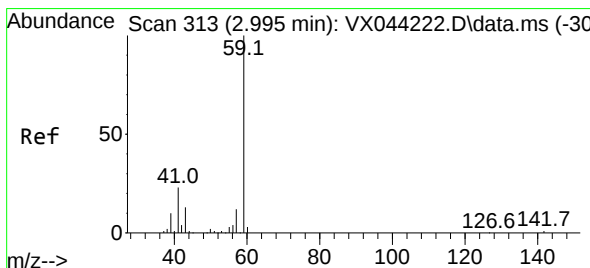
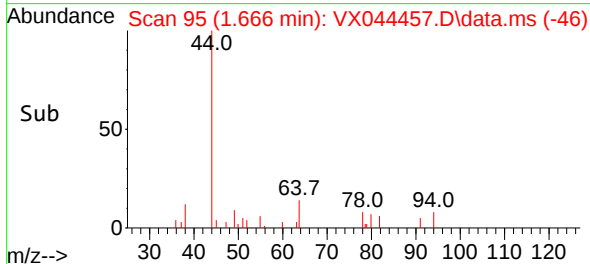
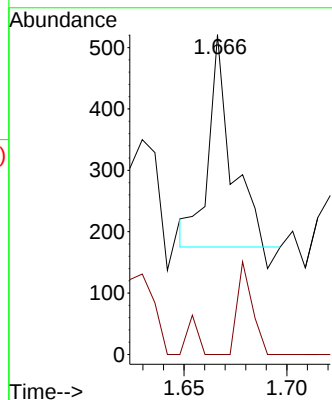
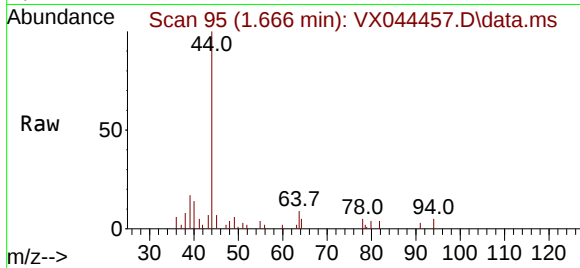




#6
Chloroethane
Concen: 0.234 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX044457.D
Acq: 20 Dec 2024 17:06

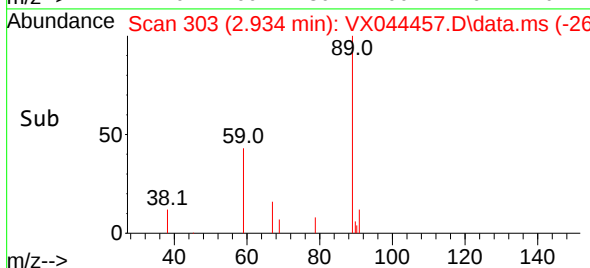
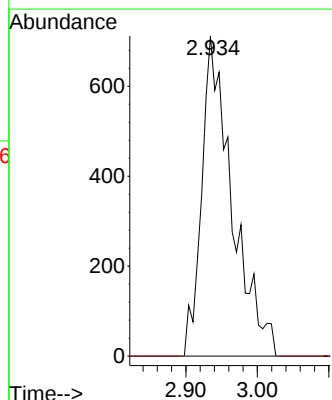
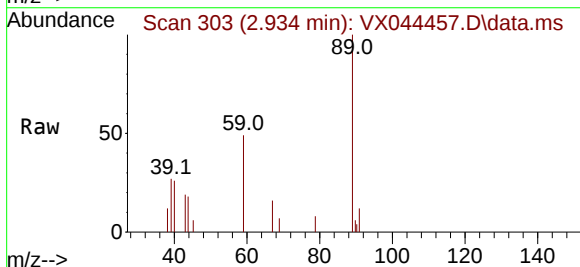
Instrument :
MSVOA_X
ClientSampleId :
PB165734TB

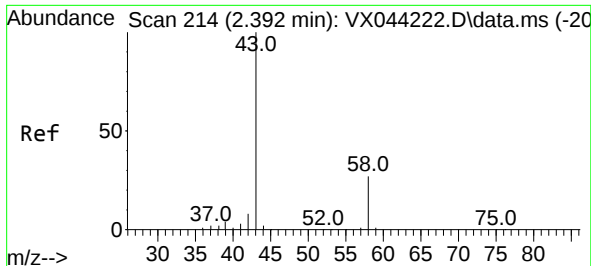
Tgt Ion: 64 Resp: 260
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: 7.357 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.061 min
Lab File: VX044457.D
Acq: 20 Dec 2024 17:06

Tgt Ion: 59 Resp: 2104
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

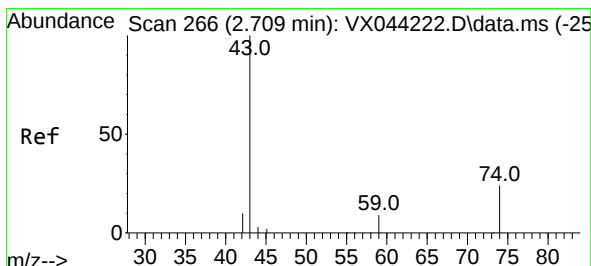
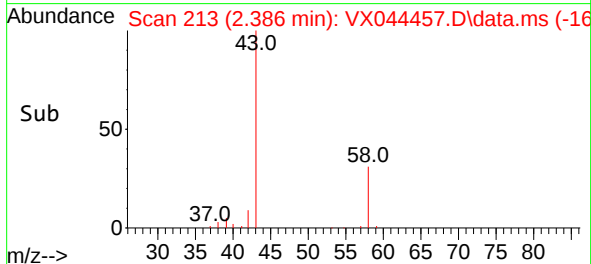
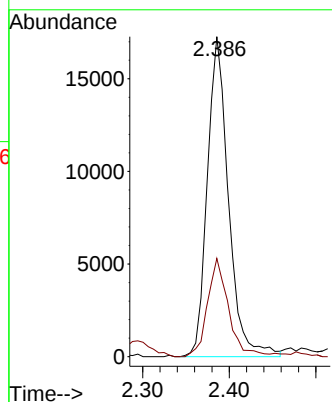
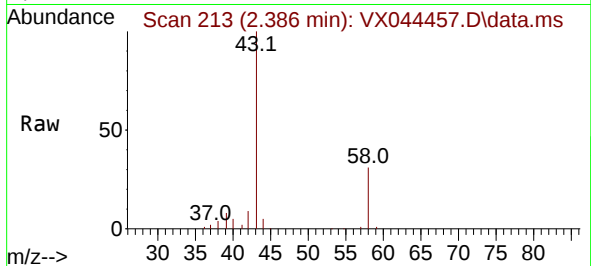




#16
Acetone
Concen: 35.451 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX044457.D
Acq: 20 Dec 2024 17:06

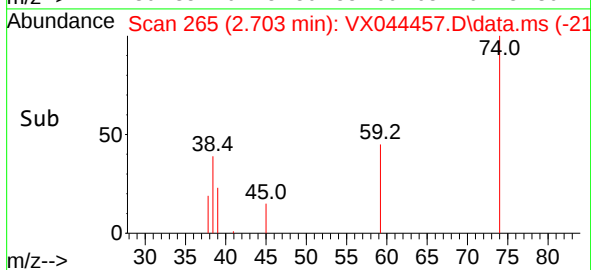
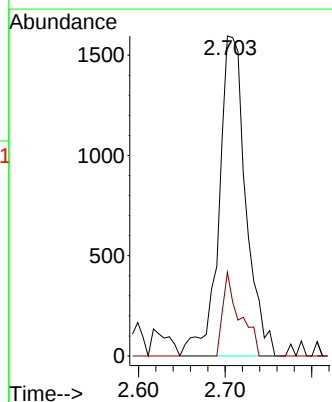
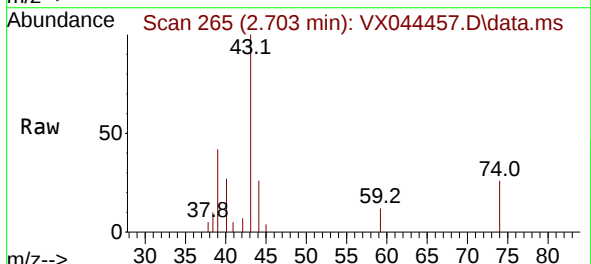
Instrument :
MSVOA_X
ClientSampleId :
PB165734TB

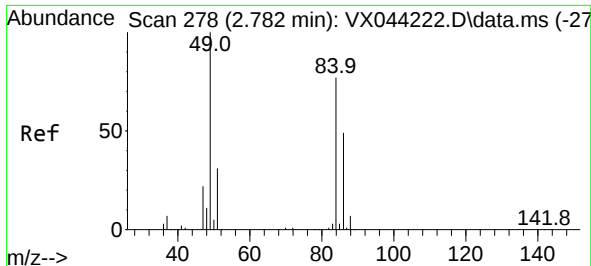
Tgt Ion: 43 Resp: 29329
Ion Ratio Lower Upper
43 100
58 30.7 21.6 32.4



#18
Methyl Acetate
Concen: 1.608 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044457.D
Acq: 20 Dec 2024 17:06

Tgt Ion: 43 Resp: 3429
Ion Ratio Lower Upper
43 100
74 16.7 17.7 26.5#

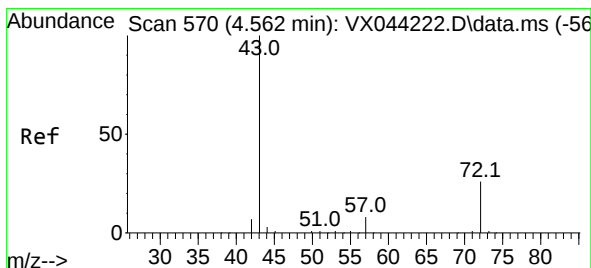
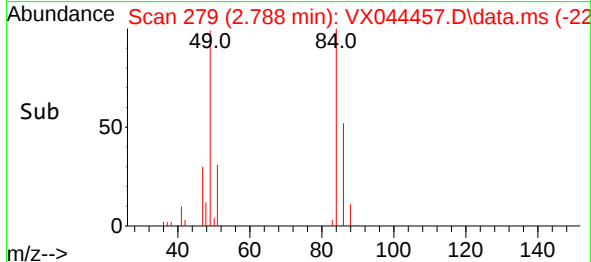
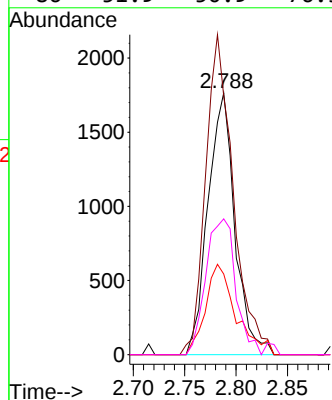
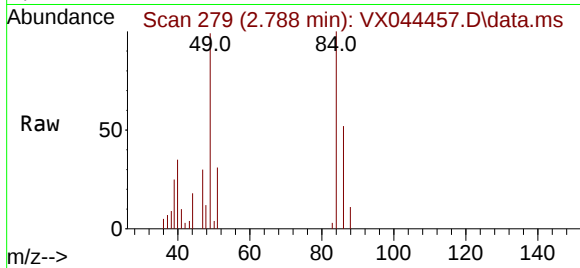




#20
Methylene Chloride
Concen: 2.063 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX044457.D
Acq: 20 Dec 2024 17:06

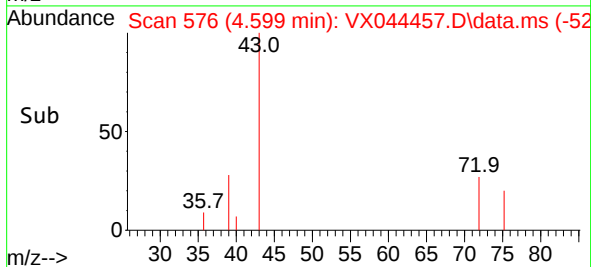
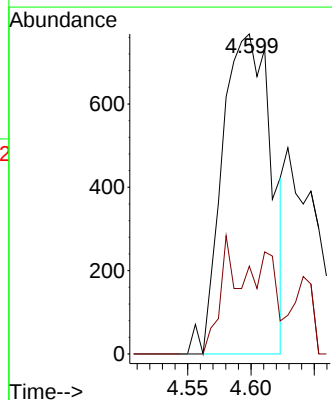
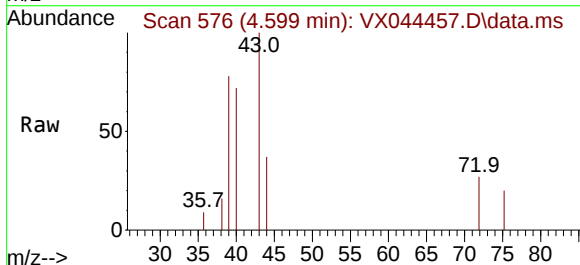
Instrument :
MSVOA_X
ClientSampleId :
PB165734TB

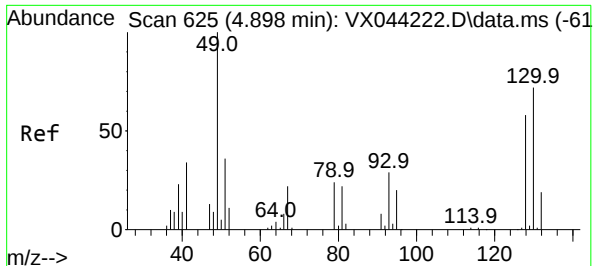
Tgt Ion:	84	Resp:	3206
Ion	Ratio	Lower	Upper
84	100		
49	98.8	104.2	156.4#
51	30.8	32.2	48.4#
86	51.9	50.9	76.3



#25
2-Butanone
Concen: 1.755 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.036 min
Lab File: VX044457.D
Acq: 20 Dec 2024 17:06

Tgt Ion:	43	Resp:	2064
Ion	Ratio	Lower	Upper
43	100		
72	27.5	20.2	30.4

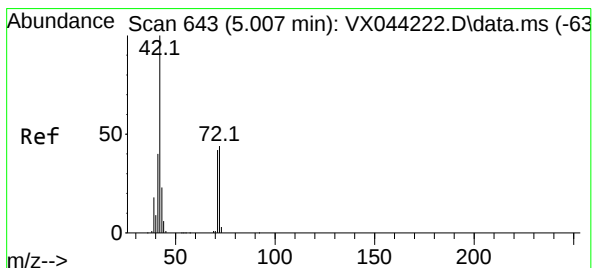
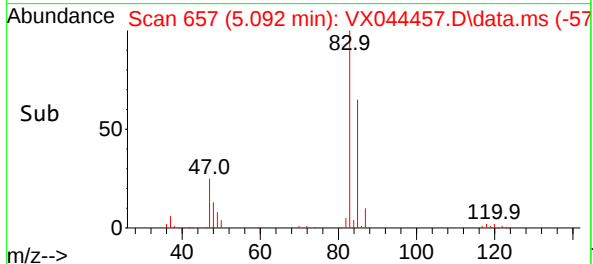
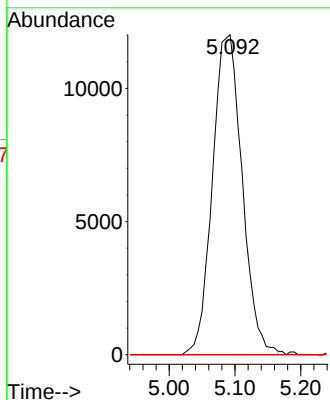
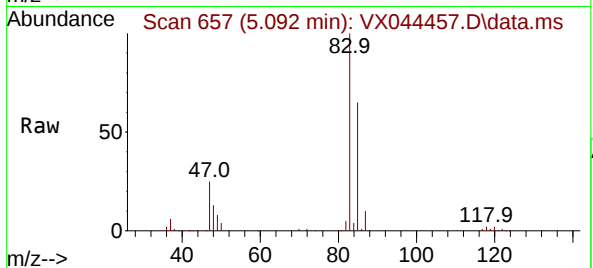




#28
Bromochloromethane
Concen: 28.372 ug/l
RT: 5.092 min Scan# 61
Delta R.T. 0.195 min
Lab File: VX044457.D
Acq: 20 Dec 2024 17:06

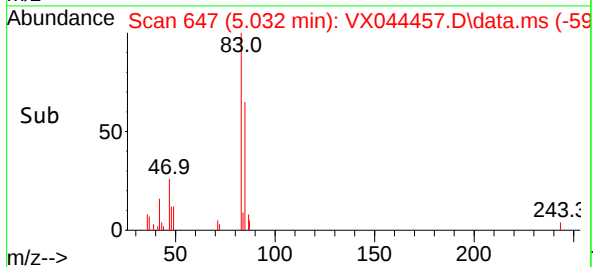
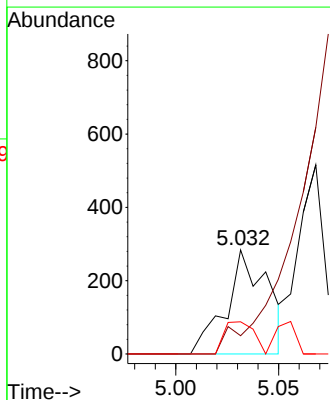
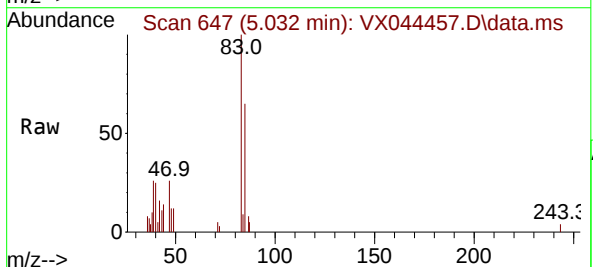
Instrument :
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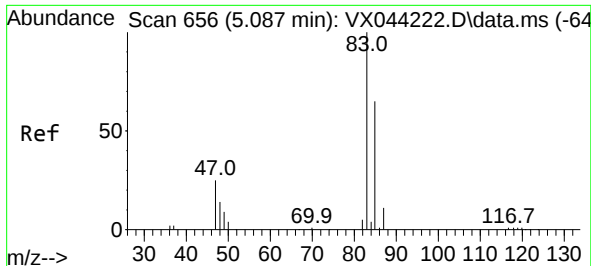
Tgt Ion: 49 Resp: 37735
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 62.1 93.1#



#29
Tetrahydrofuran
Concen: 0.527 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.024 min
Lab File: VX044457.D
Acq: 20 Dec 2024 17:06

Tgt Ion: 42 Resp: 398
Ion Ratio Lower Upper
42 100
72 0.0 37.0 55.6#
71 22.4 33.6 50.4#





#30

Chloroform

Concen: 148.828 ug/l

RT: 5.086 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX044457.D

Acq: 20 Dec 2024 17:06

Instrument :

MSVOA_X

ClientSampleId :

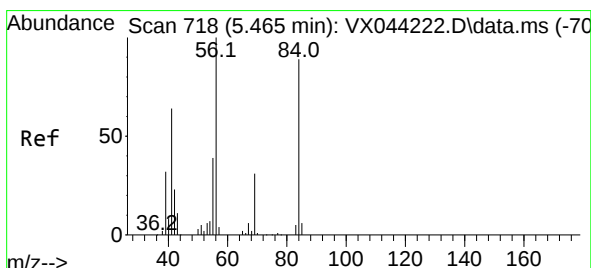
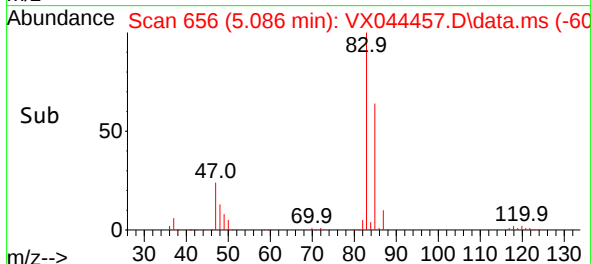
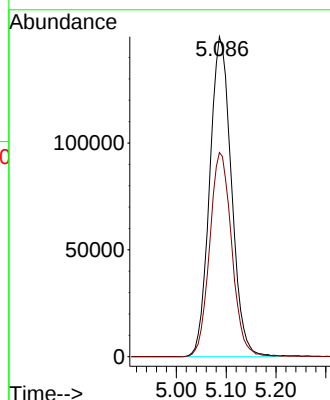
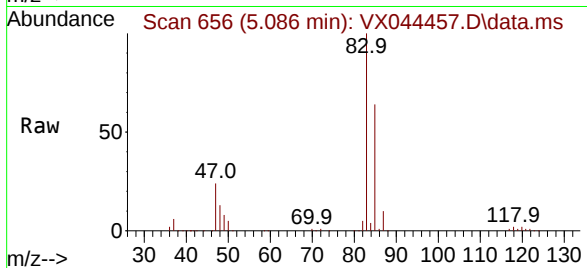
PB165734TB

Tgt Ion: 83 Resp: 453535

Ion Ratio Lower Upper

83 100

85 63.8 51.6 77.4



#31

Cyclohexane

Concen: 1.272 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX044457.D

Acq: 20 Dec 2024 17:06

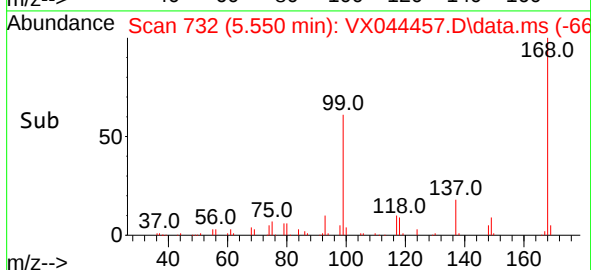
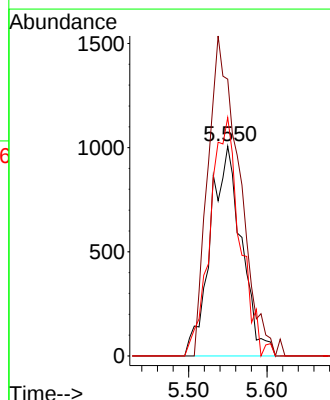
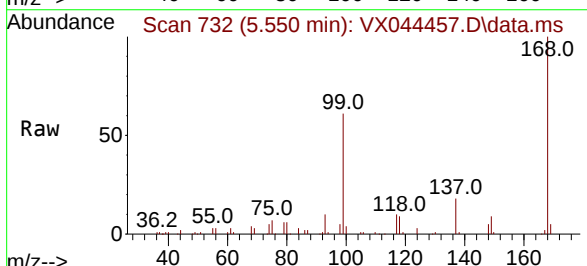
Tgt Ion: 56 Resp: 2786

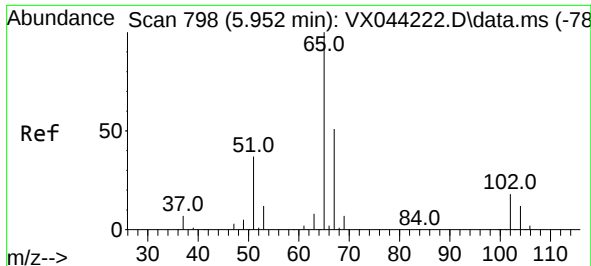
Ion Ratio Lower Upper

56 100

69 132.0 24.7 37.1#

84 113.6 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 42.309 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX044457.D

Acq: 20 Dec 2024 17:06

Instrument :

MSVOA_X

ClientSampleId :

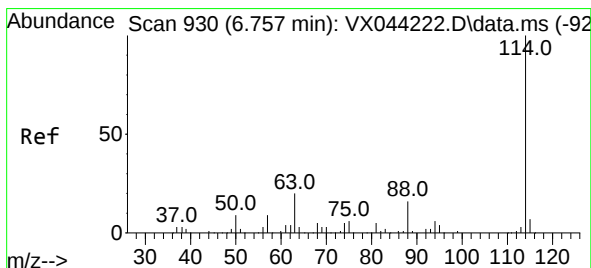
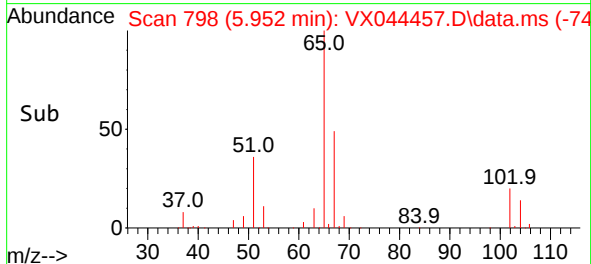
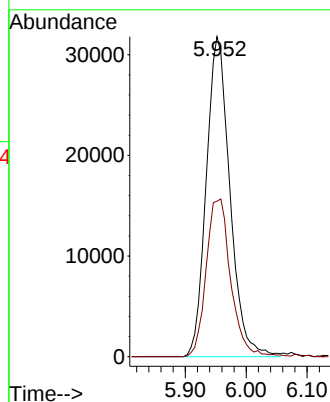
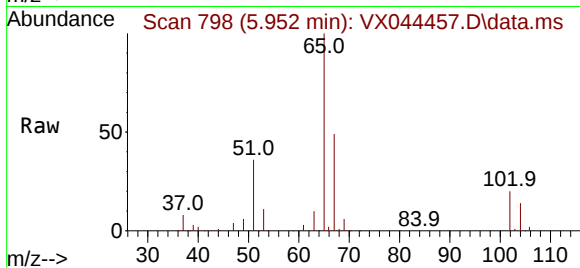
PB165734TB

Tgt Ion: 65 Resp: 85857

Ion Ratio Lower Upper

65 100

67 51.0 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044457.D

Acq: 20 Dec 2024 17:06

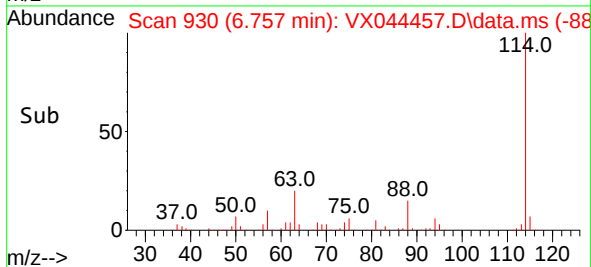
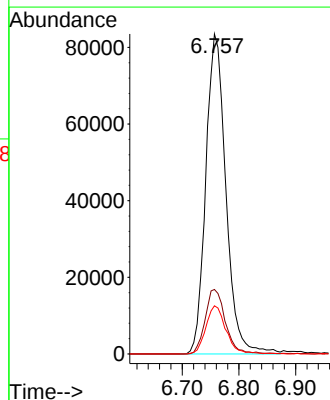
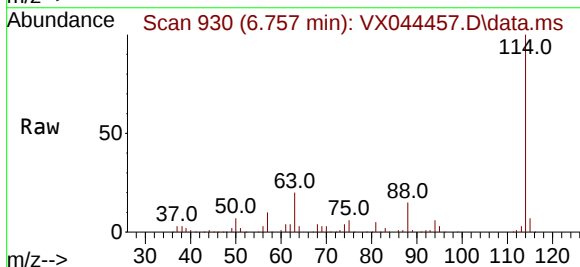
Tgt Ion: 114 Resp: 206131

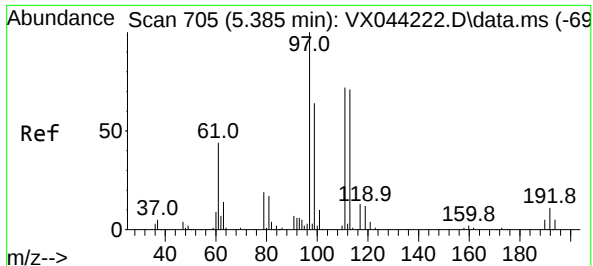
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.6

88 15.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.266 ug/l

RT: 5.385 min Scan# 70

Delta R.T. -0.000 min

Lab File: VX044457.D

Acq: 20 Dec 2024 17:06

Instrument :

MSVOA_X

ClientSampleId :

PB165734TB

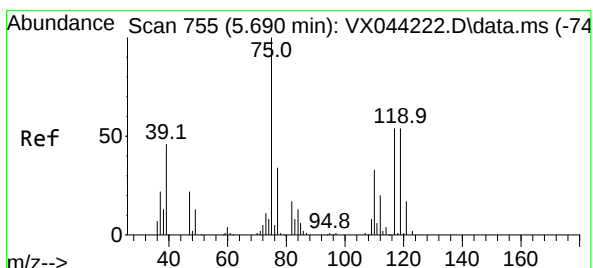
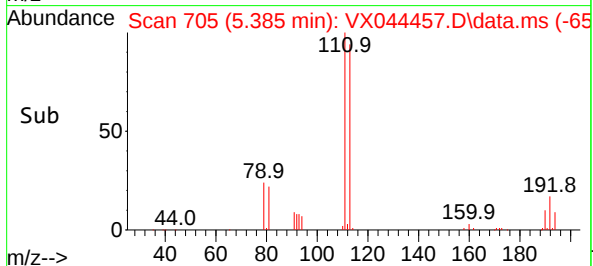
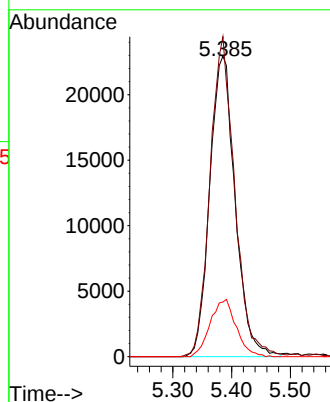
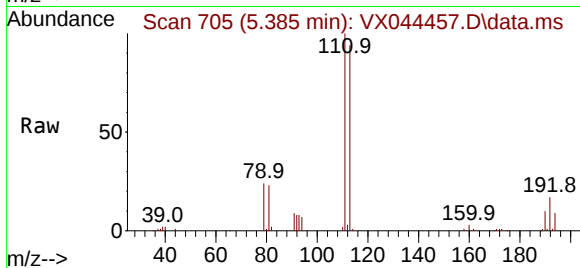
Tgt Ion:113 Resp: 68907

Ion Ratio Lower Upper

113 100

111 103.4 80.4 120.6

192 19.5 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.956 ug/l

RT: 5.537 min Scan# 730

Delta R.T. -0.153 min

Lab File: VX044457.D

Acq: 20 Dec 2024 17:06

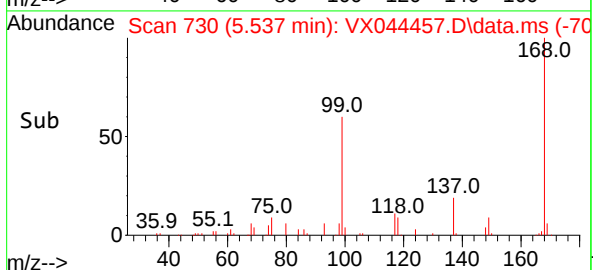
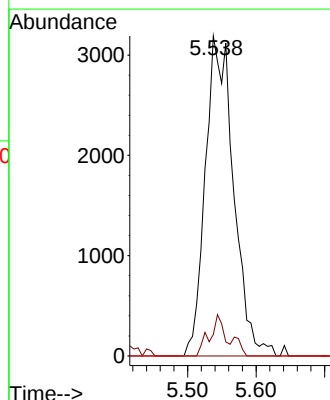
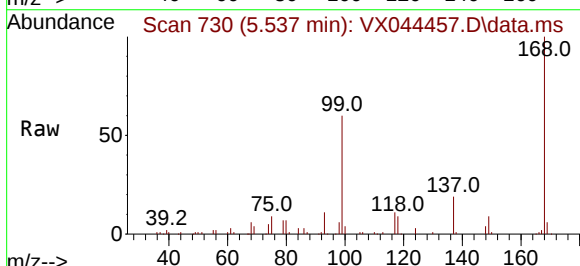
Tgt Ion: 75 Resp: 9146

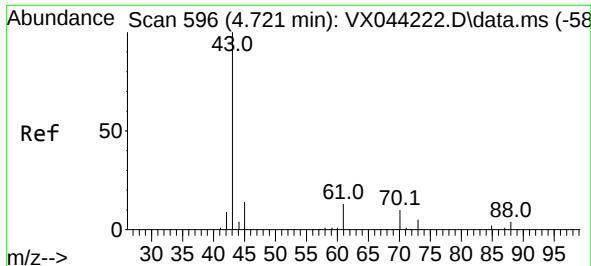
Ion Ratio Lower Upper

75 100

110 6.7 17.3 51.7#

77 0.0 25.4 38.0#





#37

Ethyl Acetate

Concen: 0.929 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.030 min

Lab File: VX044457.D

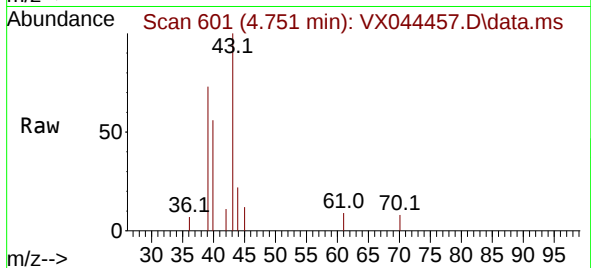
Acq: 20 Dec 2024 17:06

Instrument :

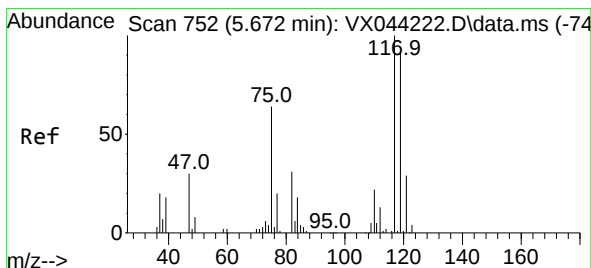
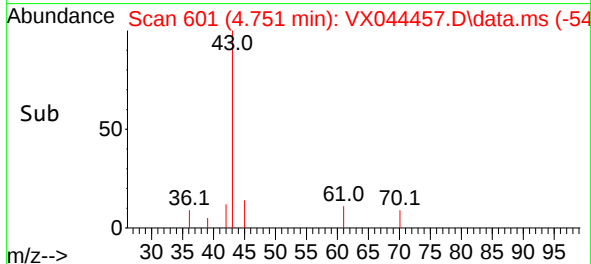
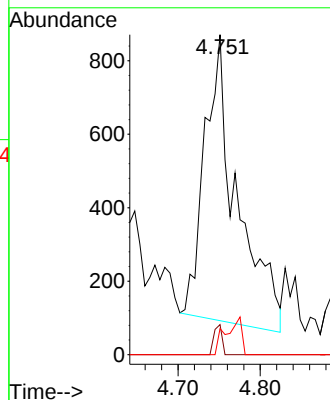
MSVOA_X

ClientSampleId :

PB165734TB



Tgt Ion: 43	Resp: 2119
Ion Ratio	Lower Upper
43	100
61	2.6 9.8 14.8#
70	0.0 7.7 11.5#



#38

Carbon Tetrachloride

Concen: 6.165 ug/l

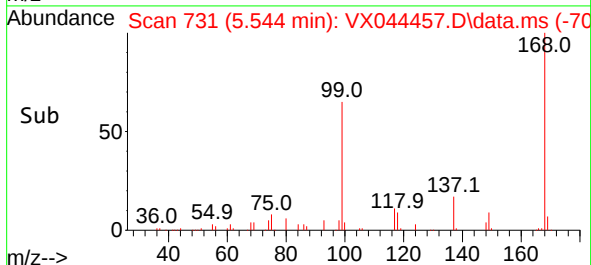
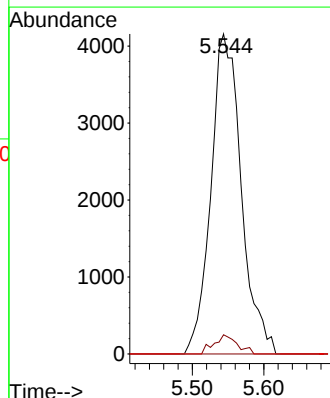
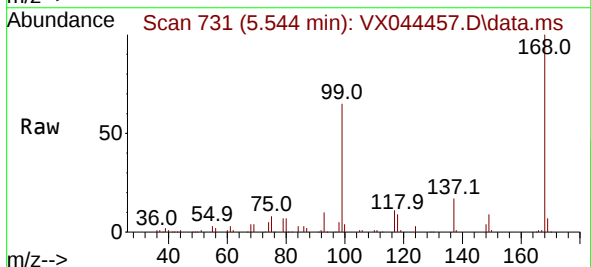
RT: 5.544 min Scan# 731

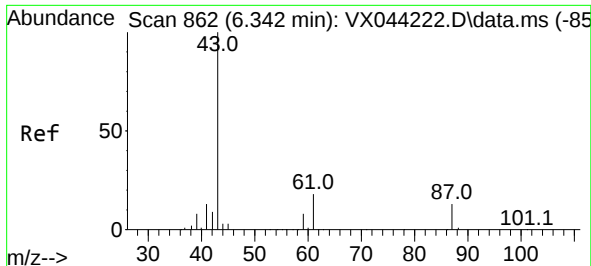
Delta R.T. -0.128 min

Lab File: VX044457.D

Acq: 20 Dec 2024 17:06

Tgt Ion: 117	Resp: 12249
Ion Ratio	Lower Upper
117	100
119	6.0 74.2 111.4#
121	0.0 23.0 34.6#

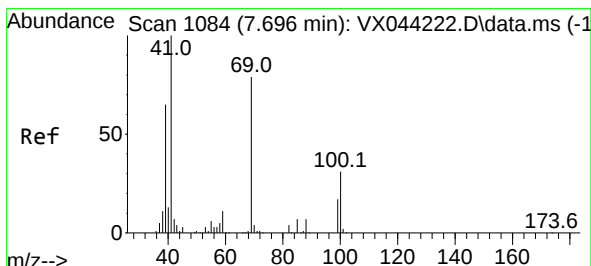
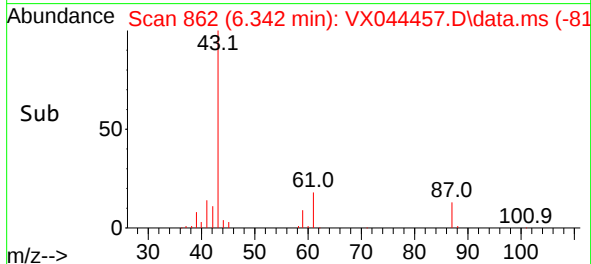
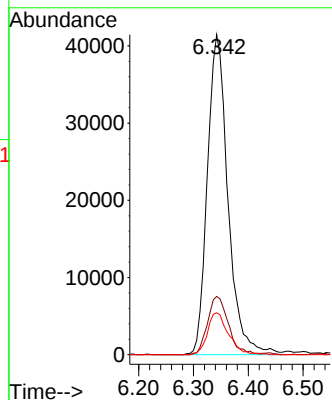
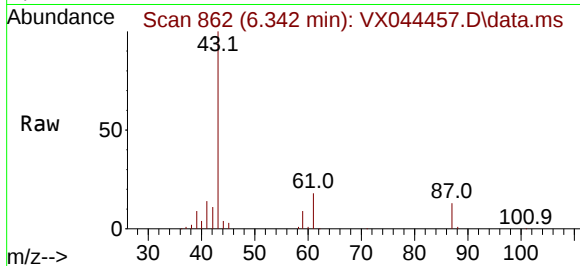




#43
Isopropyl Acetate
Concen: 30.295 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX044457.D
Acq: 20 Dec 2024 17:06

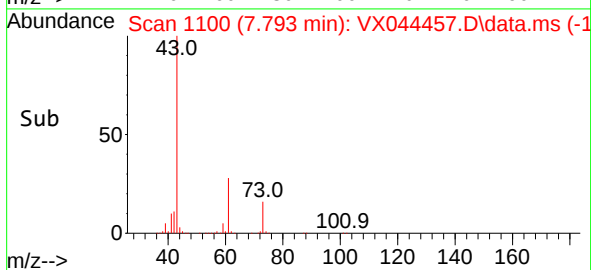
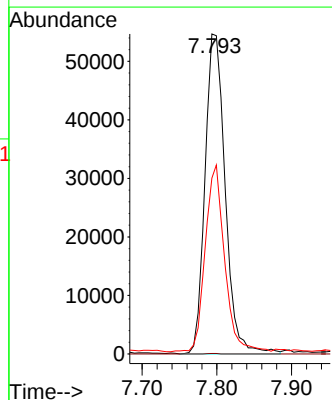
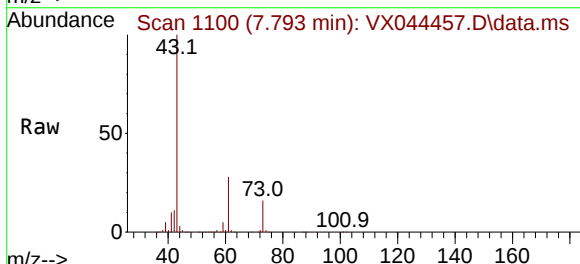
Instrument :
MSVOA_X
ClientSampleId :
PB165734TB

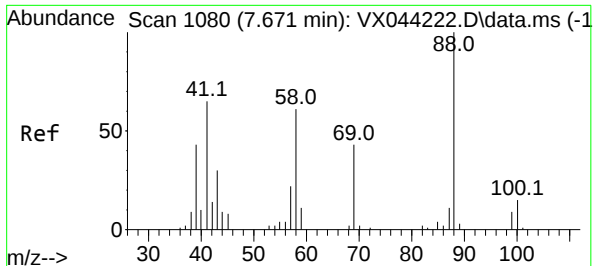
Tgt Ion: 43 Resp: 108014
Ion Ratio Lower Upper
43 100
61 18.4 14.2 21.2
87 13.3 10.2 15.2



#48
Methyl methacrylate
Concen: 59.324 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.097 min
Lab File: VX044457.D
Acq: 20 Dec 2024 17:06

Tgt Ion: 41 Resp: 102676
Ion Ratio Lower Upper
41 100
69 0.1 62.4 93.6#
39 55.8 53.3 79.9





#49

1,4-Dioxane

Concen: 5.994 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.128 min

Lab File: VX044457.D

Acq: 20 Dec 2024 17:06

Instrument :

MSVOA_X

ClientSampleId :

PB165734TB

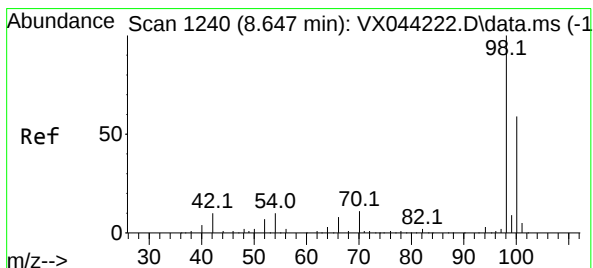
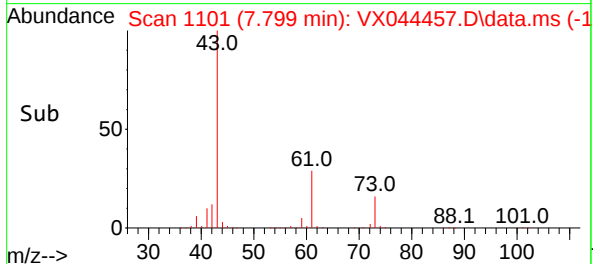
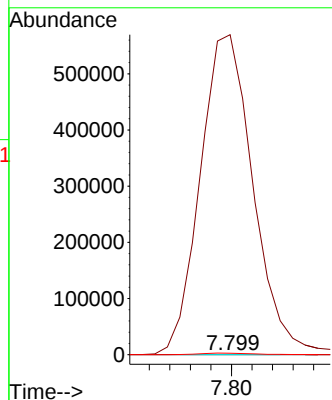
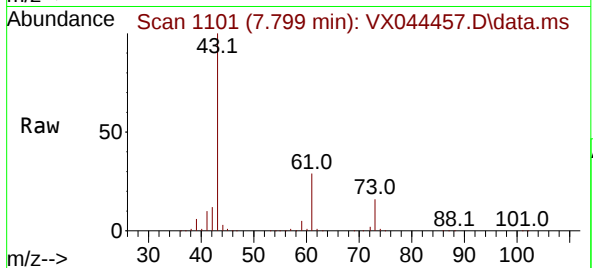
Tgt Ion: 88 Resp: 172

Ion Ratio Lower Upper

88 100

43 601108.7 27.1 40.7#

58 3040.7 41.0 61.4#



#50

Toluene-d8

Concen: 51.331 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX044457.D

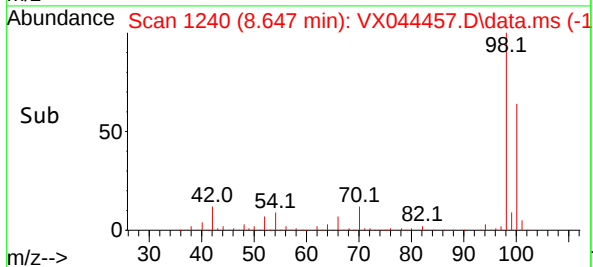
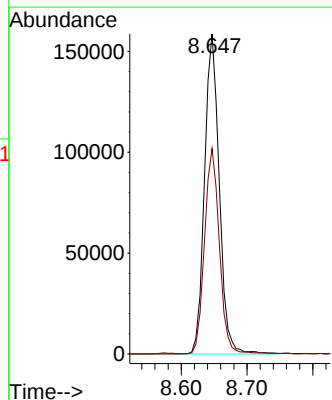
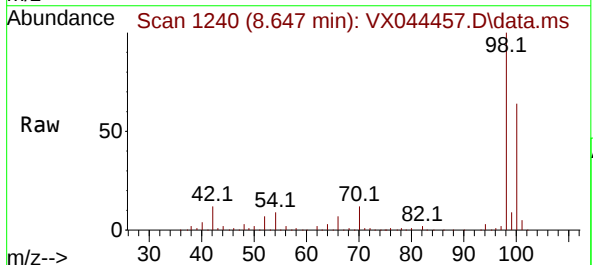
Acq: 20 Dec 2024 17:06

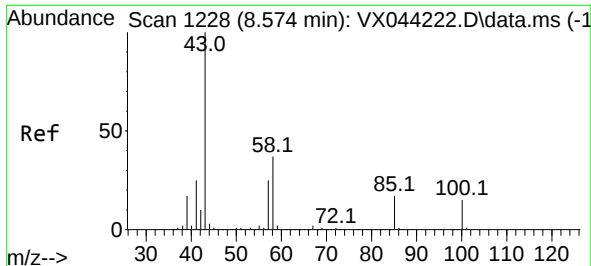
Tgt Ion: 98 Resp: 247233

Ion Ratio Lower Upper

98 100

100 64.9 51.5 77.3

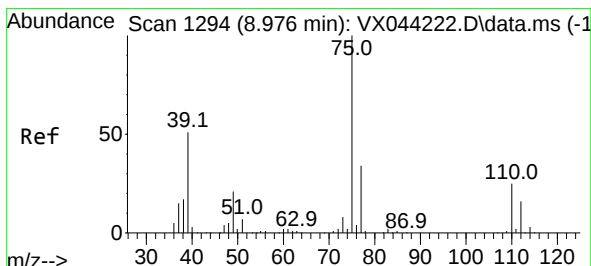
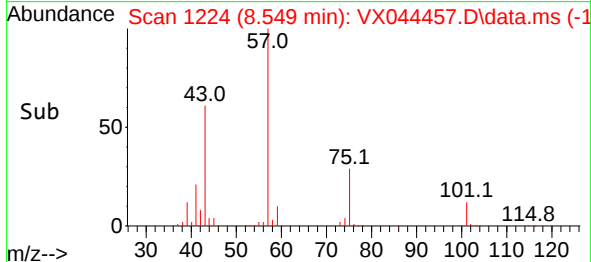
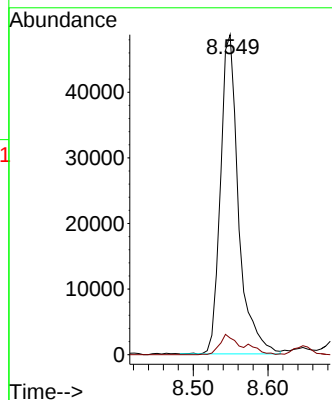
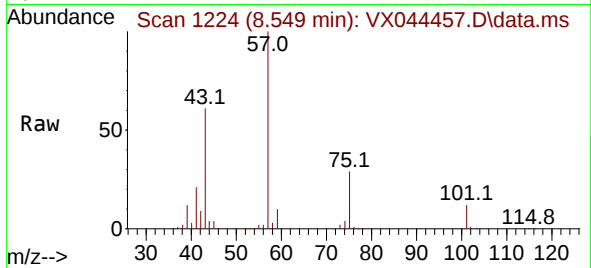




#51
4-Methyl-2-Pentanone
Concen: 35.610 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX044457.D
Acq: 20 Dec 2024 17:06

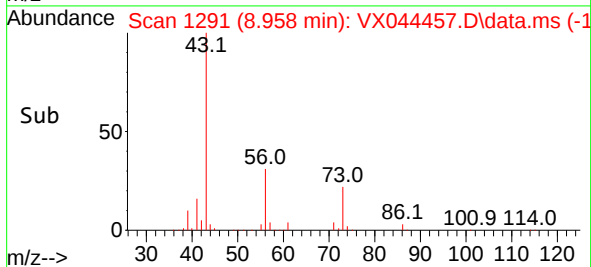
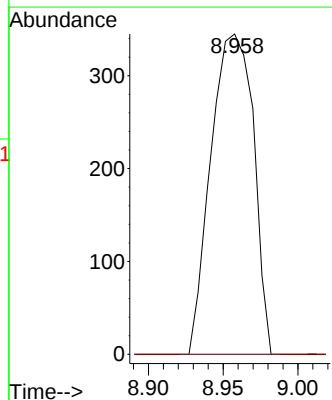
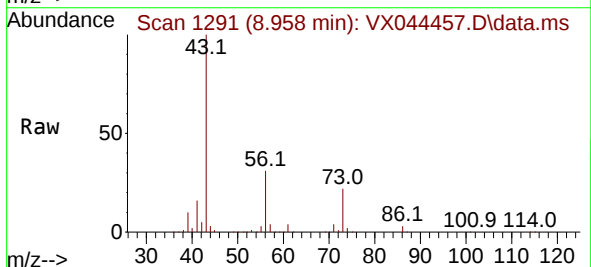
Instrument :
MSVOA_X
ClientSampleId :
PB165734TB

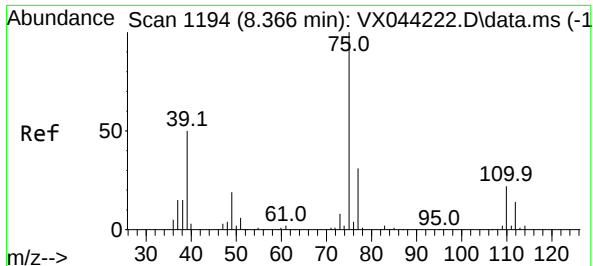
Tgt Ion: 43 Resp: 81636
Ion Ratio Lower Upper
43 100
58 6.0 29.4 44.0#



#53
t-1,3-Dichloropropene
Concen: 1.339 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX044457.D
Acq: 20 Dec 2024 17:06

Tgt Ion: 75 Resp: 684
Ion Ratio Lower Upper
75 100
77 0.0 27.2 40.8#

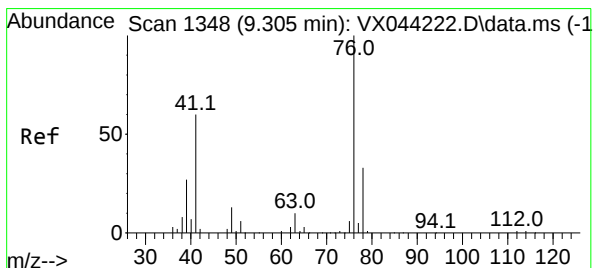
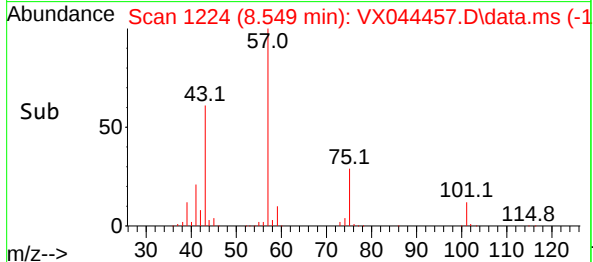
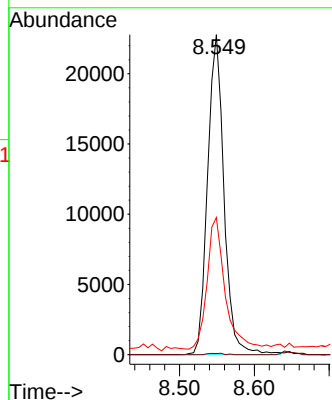
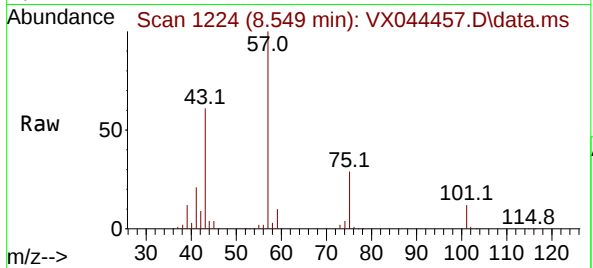




#54
cis-1,3-Dichloropropene
Concen: 16.643 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX044457.D
Acq: 20 Dec 2024 17:06

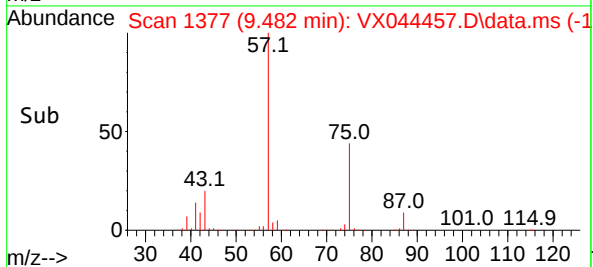
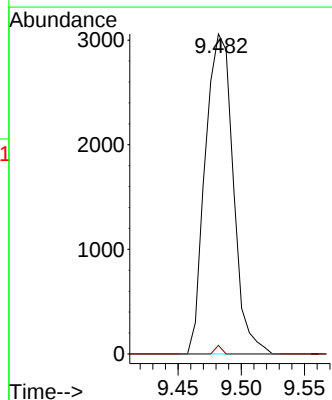
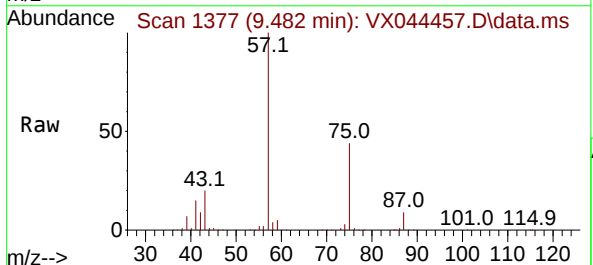
Instrument :
MSVOA_X
ClientSampleId :
PB165734TB

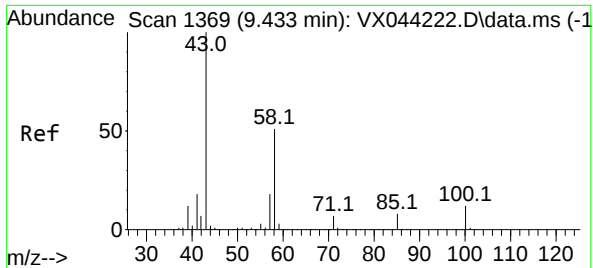
Tgt Ion: 75 Resp: 34756
Ion Ratio Lower Upper
75 100
77 0.4 24.7 37.1#
39 40.9 40.3 60.5



#57
1,3-Dichloropropane
Concen: 1.933 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX044457.D
Acq: 20 Dec 2024 17:06

Tgt Ion: 76 Resp: 4702
Ion Ratio Lower Upper
76 100
78 0.6 26.5 39.7#

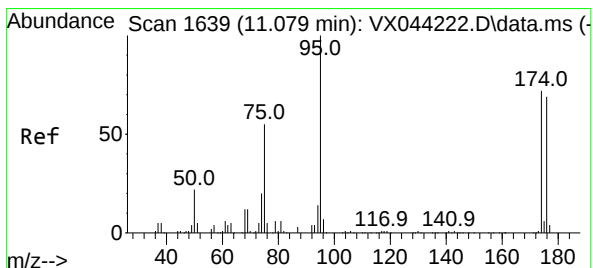
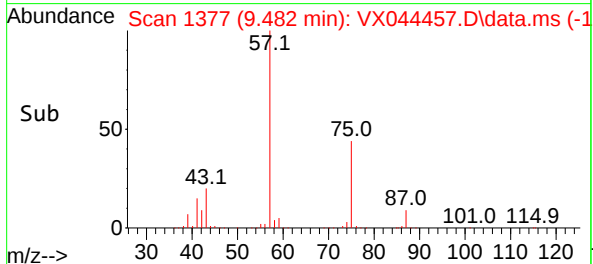
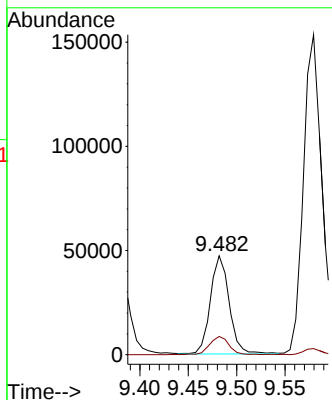
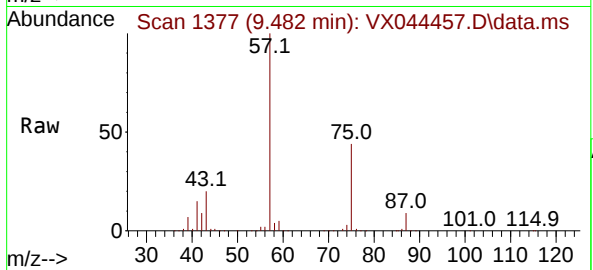




#59
2-Hexanone
Concen: 38.571 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX044457.D
Acq: 20 Dec 2024 17:06

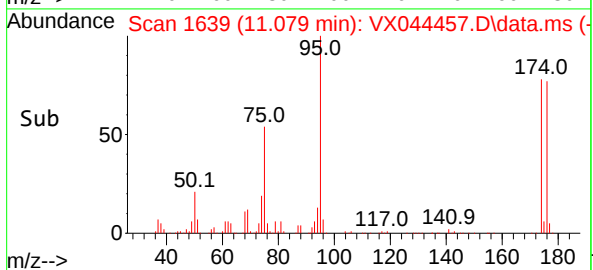
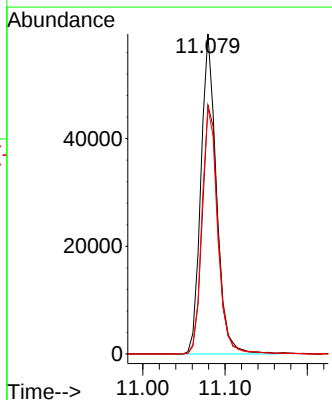
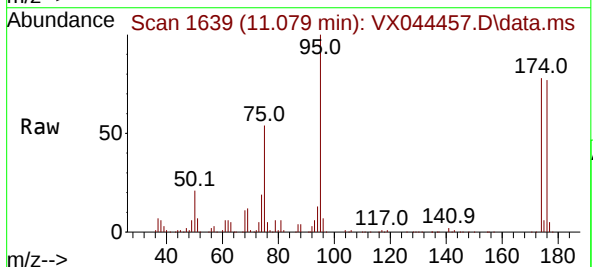
Instrument :
MSVOA_X
ClientSampleId :
PB165734TB

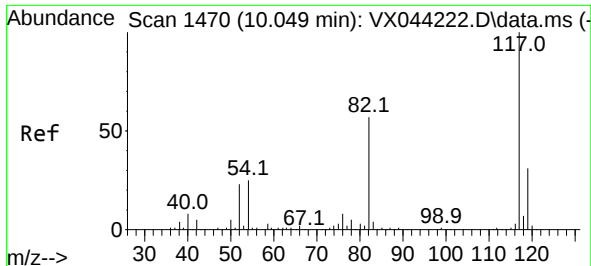
Tgt Ion: 43 Resp: 64003
Ion Ratio Lower Upper
43 100
58 19.3 25.7 77.0#



#62
4-Bromofluorobenzene
Concen: 46.183 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044457.D
Acq: 20 Dec 2024 17:06

Tgt Ion: 95 Resp: 77726
Ion Ratio Lower Upper
95 100
174 80.1 0.0 145.8
176 78.5 0.0 137.8

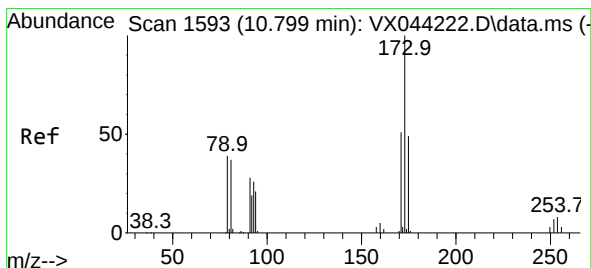
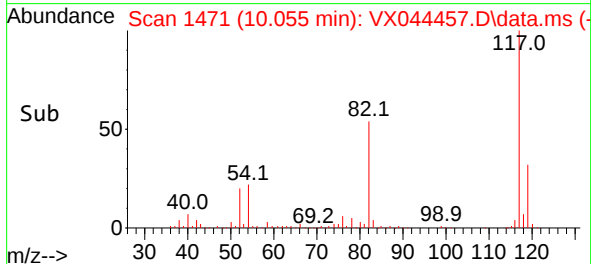
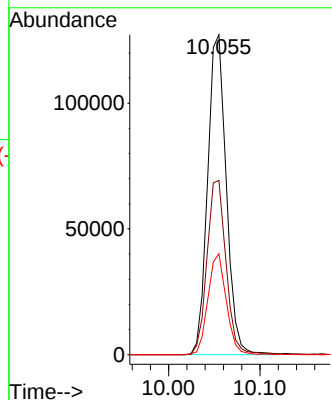
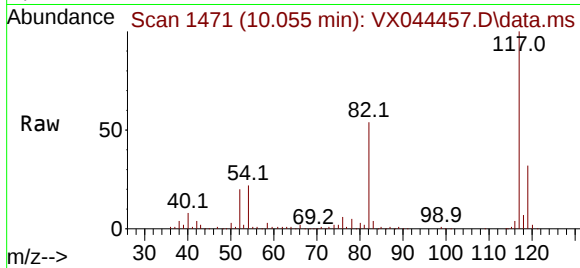




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX044457.D
Acq: 20 Dec 2024 17:06

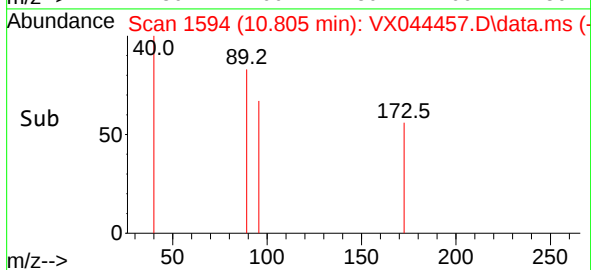
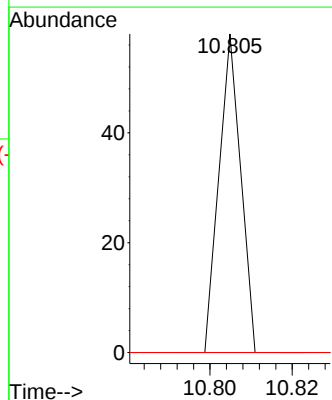
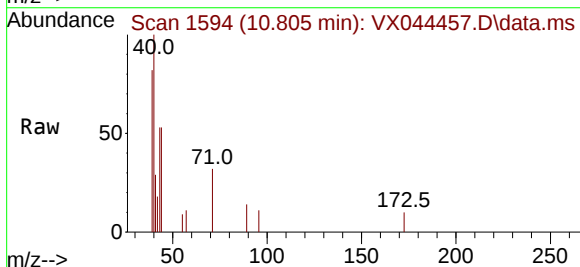
Instrument :
MSVOA_X
ClientSampleId :
PB165734TB

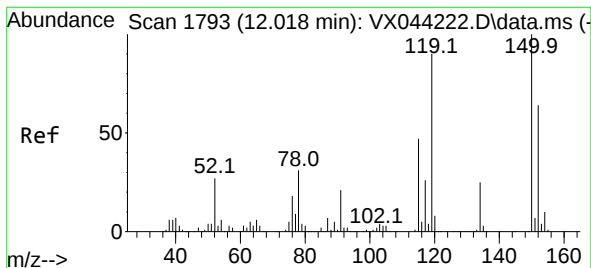
Tgt Ion:117 Resp: 179989
Ion Ratio Lower Upper
117 100
82 54.4 45.8 68.8
119 31.5 25.0 37.4



#71
Bromoform
Concen: 1.256 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX044457.D
Acq: 20 Dec 2024 17:06

Tgt Ion:173 Resp: 21
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044457.D

Acq: 20 Dec 2024 17:06

Instrument :

MSVOA_X

ClientSampleId :

PB165734TB

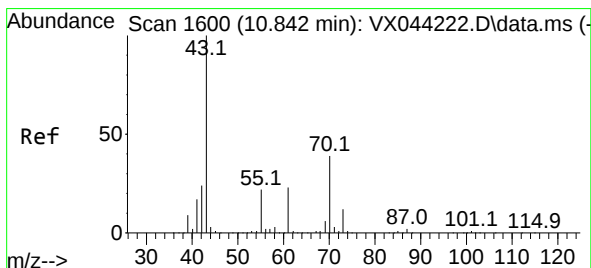
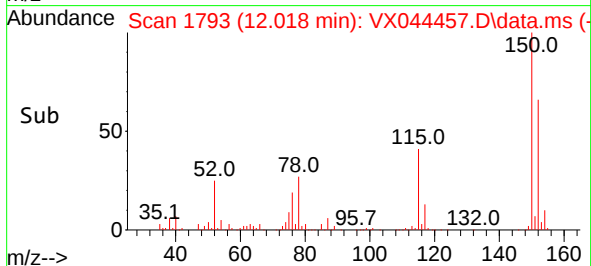
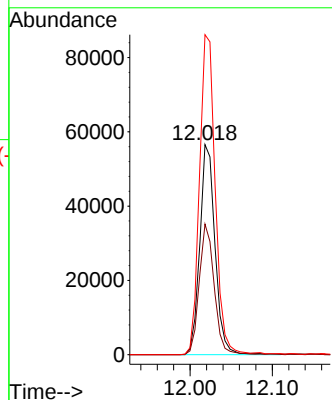
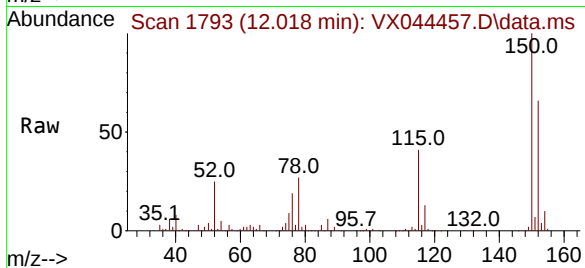
Tgt Ion:152 Resp: 72950

Ion Ratio Lower Upper

152 100

115 61.1 44.5 133.3

150 157.7 0.0 353.8



#74

N-ethyl acetate

Concen: 0.243 ug/l

RT: 10.817 min Scan# 1596

Delta R.T. -0.025 min

Lab File: VX044457.D

Acq: 20 Dec 2024 17:06

Tgt Ion: 43 Resp: 628

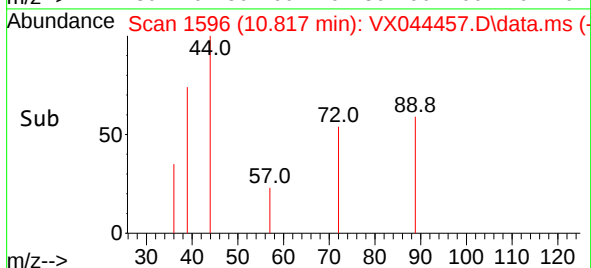
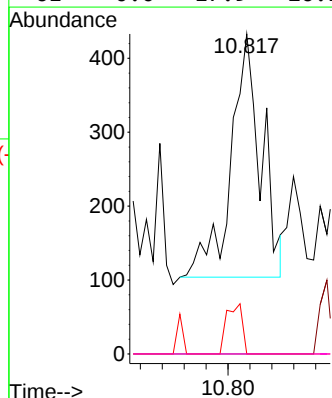
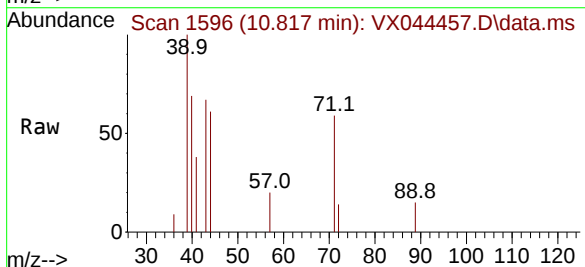
Ion Ratio Lower Upper

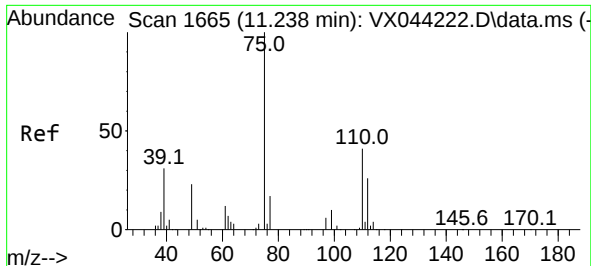
43 100

70 0.0 31.9 47.9#

55 10.7 17.9 26.9#

61 0.0 17.9 26.9#

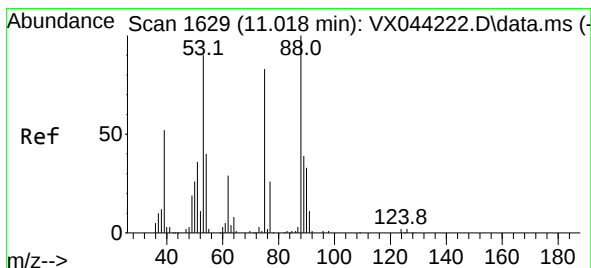
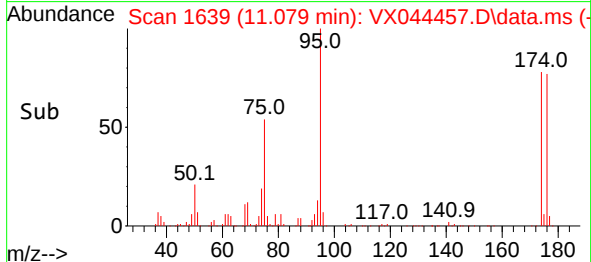
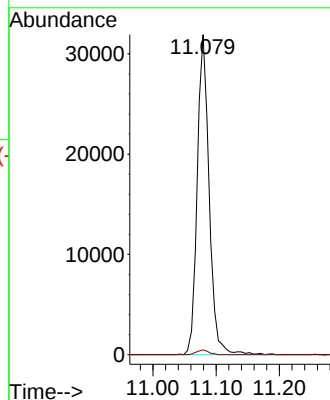
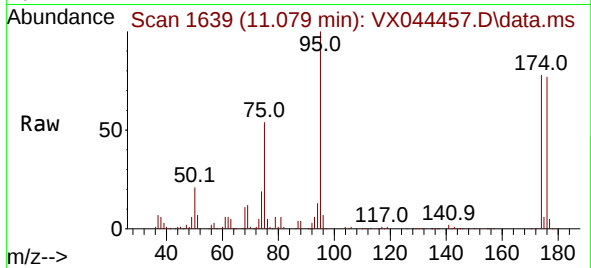




#76
1,2,3-Trichloropropane
Concen: 25.715 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044457.D
Acq: 20 Dec 2024 17:06

Instrument :
MSVOA_X
ClientSampleId :
PB165734TB

Tgt Ion: 75 Resp: 41884
Ion Ratio Lower Upper
75 100
77 1.5 20.9 62.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.043 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044457.D
Acq: 20 Dec 2024 17:06

Tgt Ion: 75 Resp: 41884
Ion Ratio Lower Upper
75 100
53 0.0 93.6 140.4#
89 0.1 37.3 55.9#

