

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
 Data File : VX043629.D
 Acq On : 30 Oct 2024 17:07
 Operator : JC/MD
 Sample : PB164501ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB164501ZHE#07

Quant Time: Oct 31 23:02:01 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

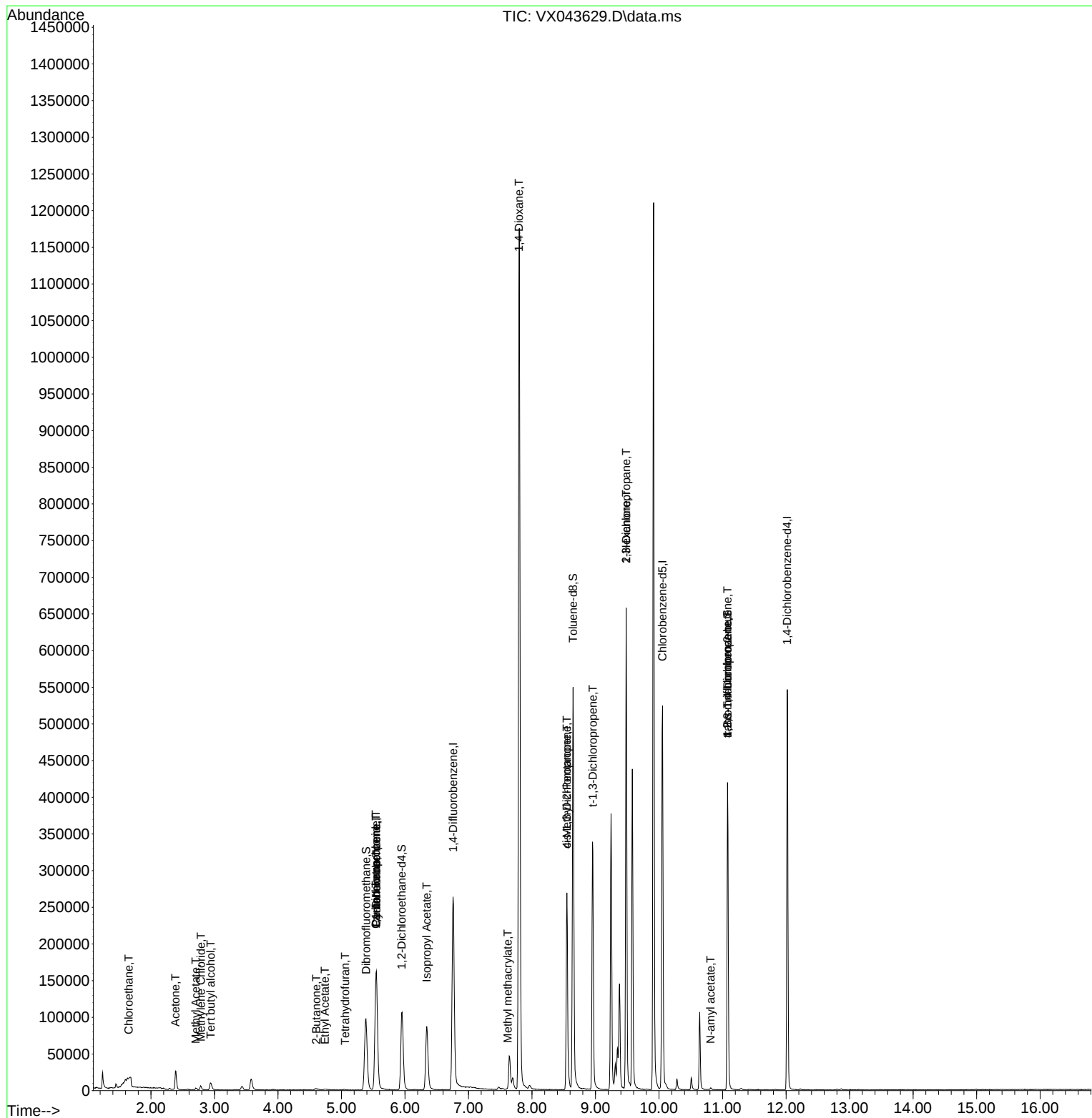
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	159705	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	294740	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	251397	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	116547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	105180	41.303	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	82.600%	
35) Dibromofluoromethane	5.385	113	89153	44.607	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	89.220%	
50) Toluene-d8	8.647	98	340114	49.160	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	98.320%	
62) 4-Bromofluorobenzene	11.079	95	118467	46.210	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	92.420%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.648	64	176	0.247	ug/l #	82
11) Tert butyl alcohol	2.941	59	5921	12.457	ug/l #	100
16) Acetone	2.386	43	29298	28.972	ug/l	93
18) Methyl Acetate	2.703	43	3830	1.296	ug/l #	86
20) Methylene Chloride	2.788	84	2805	1.287	ug/l #	79
25) 2-Butanone	4.605	43	1801	1.221	ug/l	96
29) Tetrahydrofuran	5.056	42	506	0.528	ug/l #	48
31) Cyclohexane	5.550	56	3157	1.174	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	12044	5.082	ug/l #	50
37) Ethyl Acetate	4.739	43	1612	0.560	ug/l #	86
38) Carbon Tetrachloride	5.544	117	16263	6.211	ug/l #	14
43) Isopropyl Acetate	6.342	43	122704	25.788	ug/l	98
48) Methyl methacrylate	7.617	41	3755	1.665	ug/l #	13
49) 1,4-Dioxane	7.793	88	185	3.992	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	92809	32.002	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	789	0.279	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	47446	15.767	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	5675	1.710	ug/l #	42
59) 2-Hexanone	9.482	43	74688	33.909	ug/l #	52
74) N-amyl acetate	10.811	43	857	0.213	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	58694	23.554	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	58694	64.797	ug/l #	7

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

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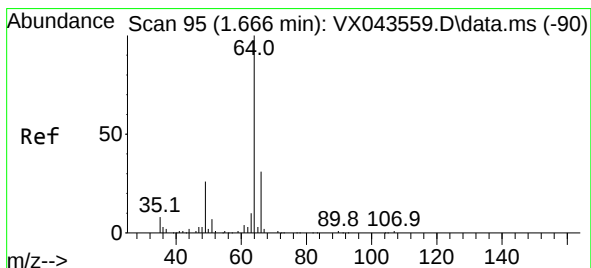
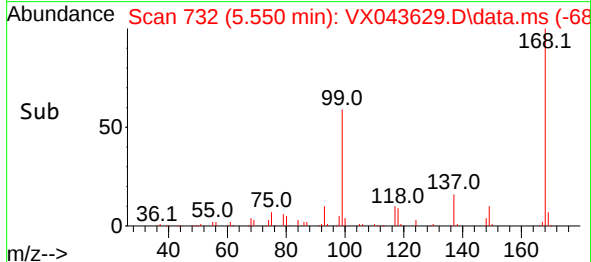
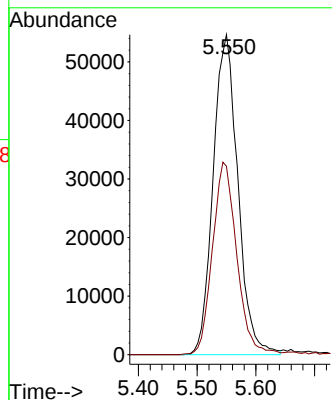
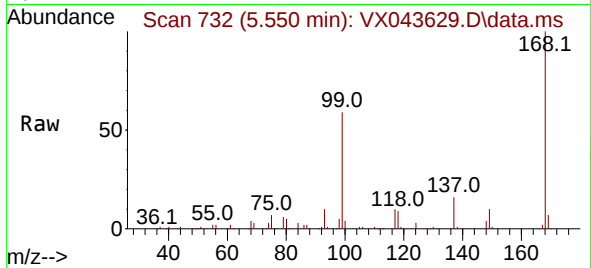




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043629.D
Acq: 30 Oct 2024 17:07

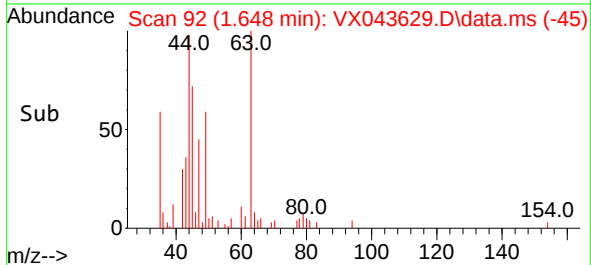
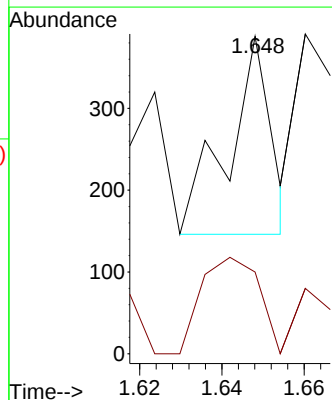
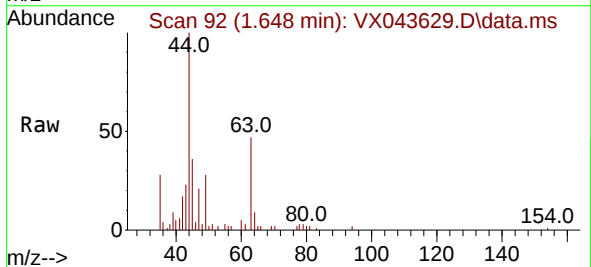
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#07

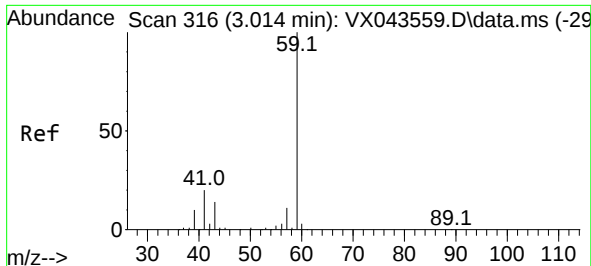
Tgt Ion:168 Resp: 159705
Ion Ratio Lower Upper
168 100
99 58.9 52.6 78.8



#6
Chloroethane
Concen: 0.247 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.012 min
Lab File: VX043629.D
Acq: 30 Oct 2024 17:07

Tgt Ion: 64 Resp: 176
Ion Ratio Lower Upper
64 100
66 41.3 25.1 37.7#





#11

Tert butyl alcohol

Concen: 12.457 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.109 min

Lab File: VX043629.D

Acq: 30 Oct 2024 17:07

Instrument :

MSVOA_X

ClientSampleId :

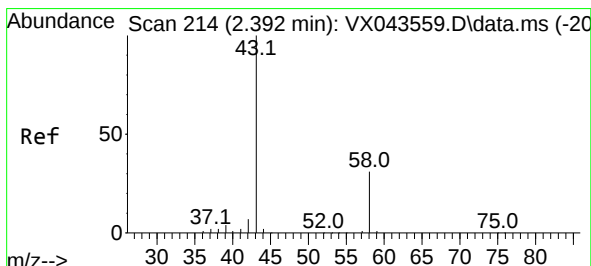
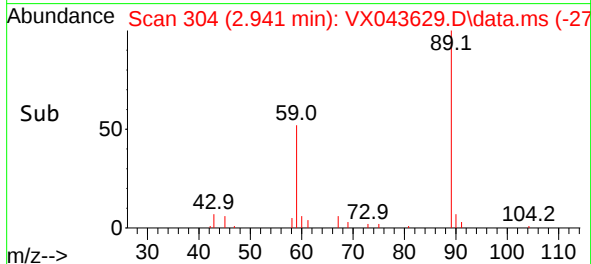
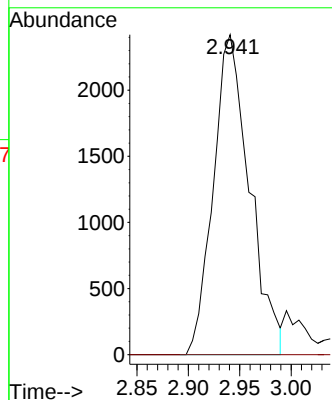
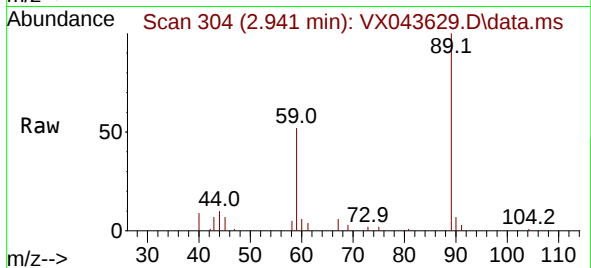
PB164501ZHE#07

Tgt Ion: 59 Resp: 5921

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



#16

Acetone

Concen: 28.972 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.012 min

Lab File: VX043629.D

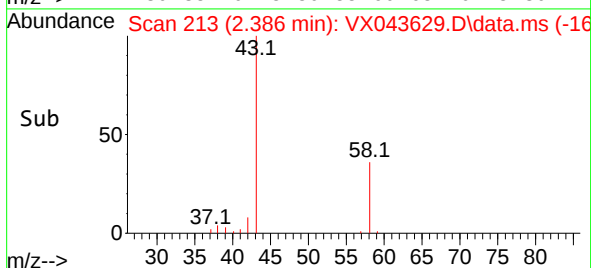
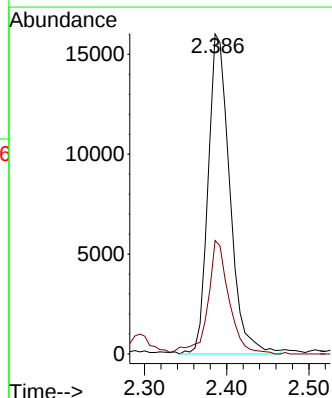
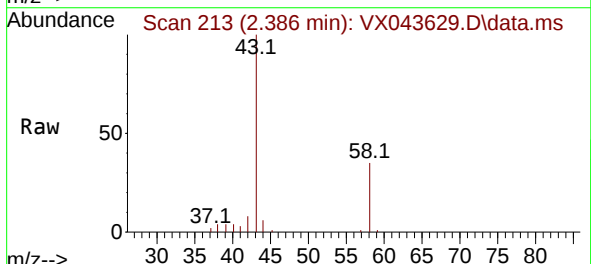
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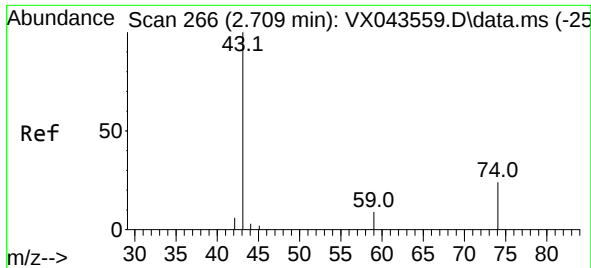
Tgt Ion: 43 Resp: 29298

Ion Ratio Lower Upper

43 100

58 35.5 25.1 37.7

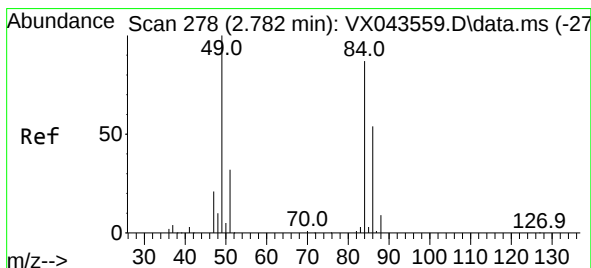
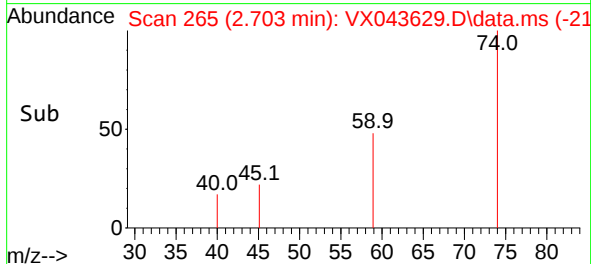
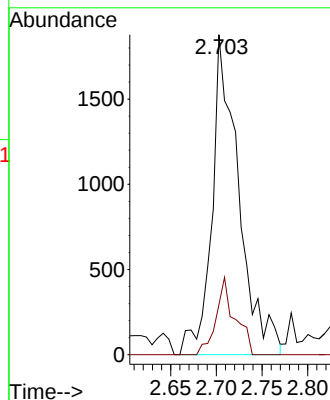
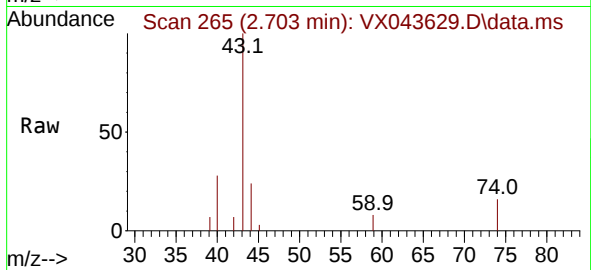




#18
Methyl Acetate
Concen: 1.296 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX043629.D
Acq: 30 Oct 2024 17:07

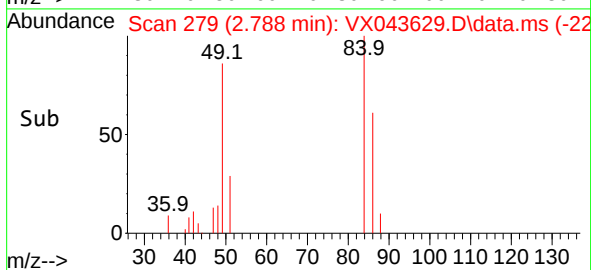
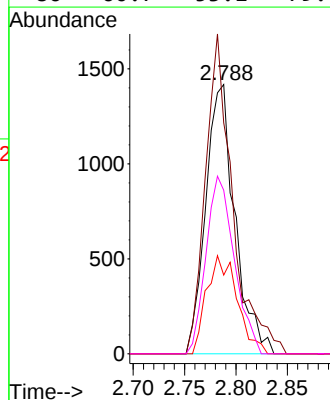
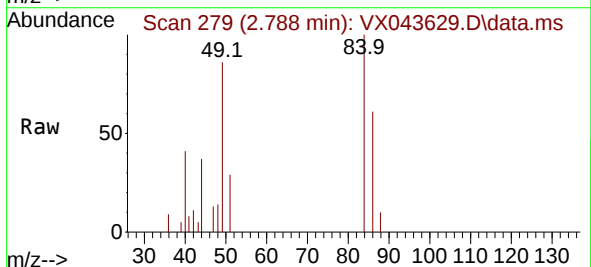
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#07

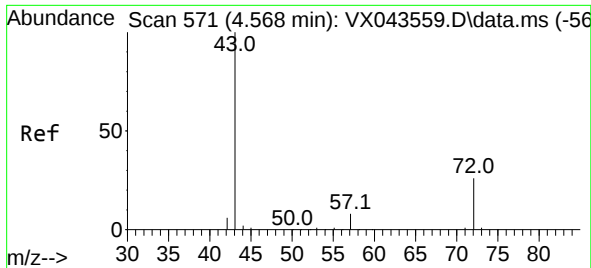
Tgt Ion: 43 Resp: 3830
Ion Ratio Lower Upper
43 100
74 17.0 19.1 28.7#



#20
Methylene Chloride
Concen: 1.287 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX043629.D
Acq: 30 Oct 2024 17:07

Tgt Ion: 84 Resp: 2805
Ion Ratio Lower Upper
84 100
49 85.8 97.0 145.6#
51 29.3 29.8 44.8#
86 60.7 53.1 79.7

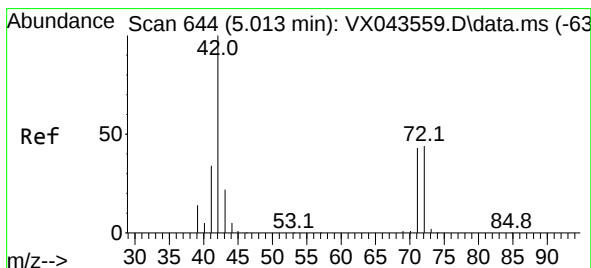
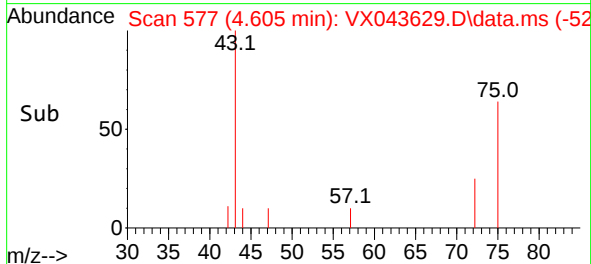
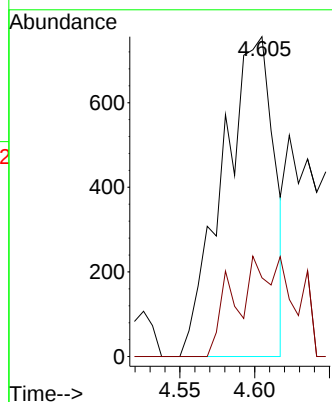
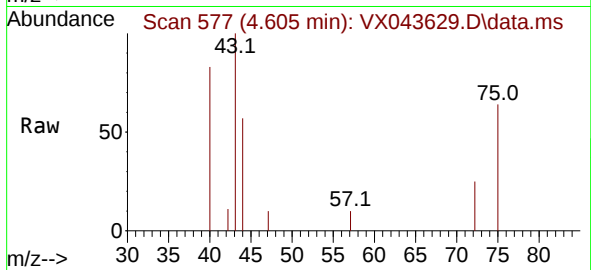




#25
2-Butanone
Concen: 1.221 ug/l
RT: 4.605 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX043629.D
Acq: 30 Oct 2024 17:07

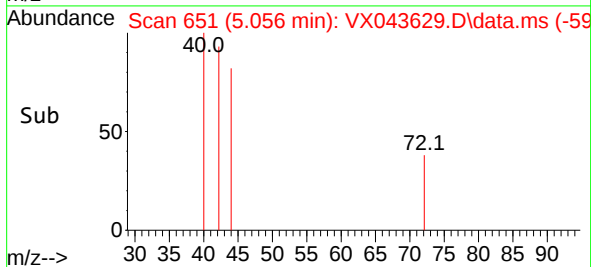
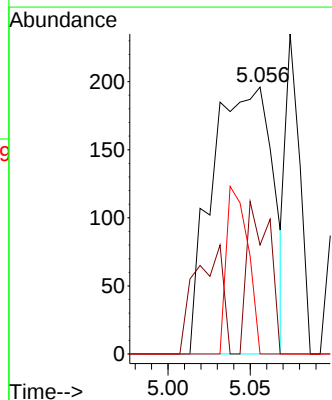
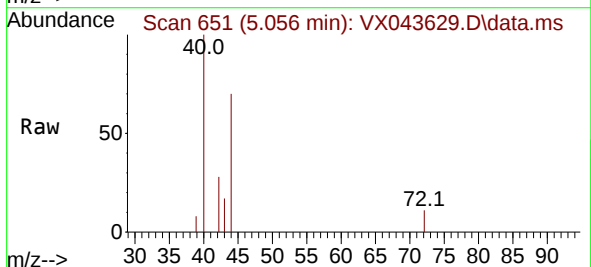
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#07

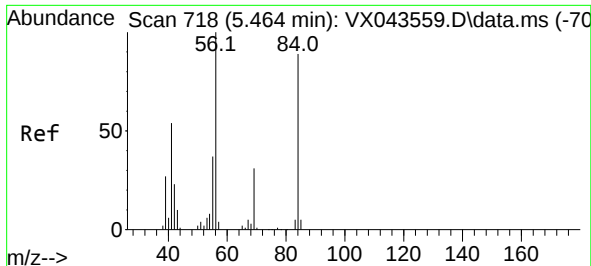
Tgt Ion: 43 Resp: 1801
Ion Ratio Lower Upper
43 100
72 24.6 21.1 31.7



#29
Tetrahydrofuran
Concen: 0.528 ug/l
RT: 5.056 min Scan# 651
Delta R.T. 0.043 min
Lab File: VX043629.D
Acq: 30 Oct 2024 17:07

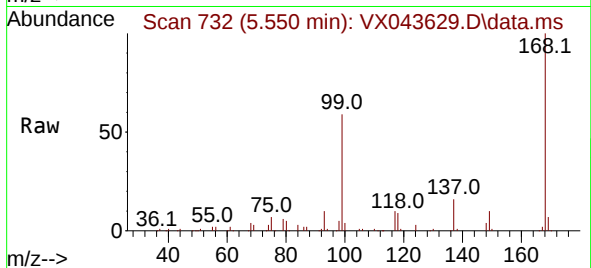
Tgt Ion: 42 Resp: 506
Ion Ratio Lower Upper
42 100
72 20.9 36.6 55.0#
71 0.0 34.2 51.4#



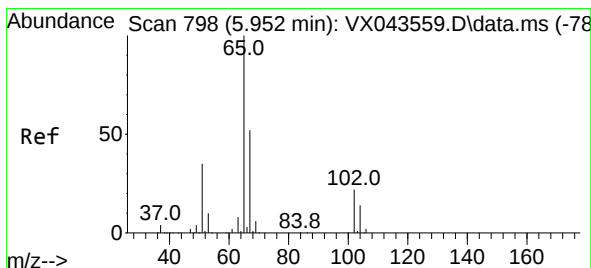
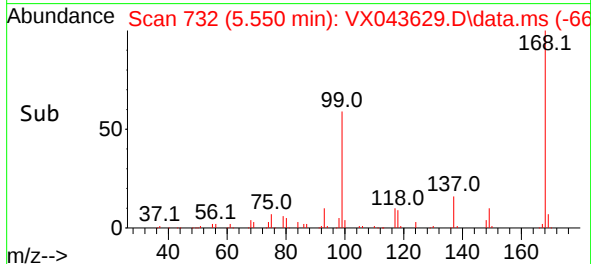
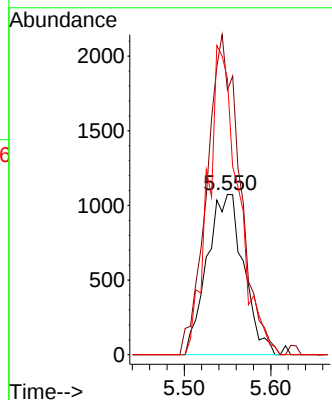


#31
Cyclohexane
Concen: 1.174 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX043629.D
Acq: 30 Oct 2024 17:07

Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#07

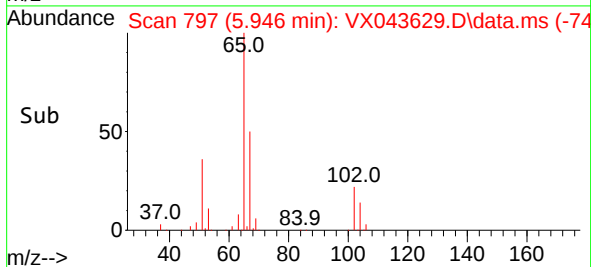
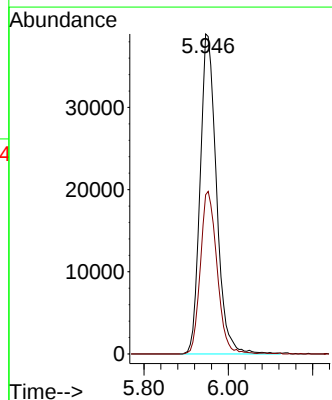
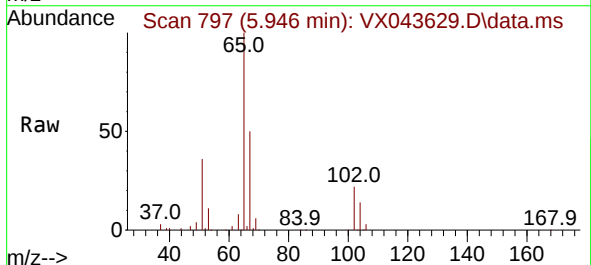


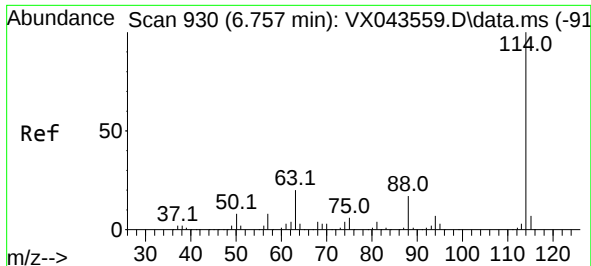
Tgt Ion: 56 Resp: 3157
Ion Ratio Lower Upper
56 100
69 165.1 24.9 37.3#
84 172.6 73.3 109.9#



#33
1,2-Dichloroethane-d4
Concen: 41.303 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX043629.D
Acq: 30 Oct 2024 17:07

Tgt Ion: 65 Resp: 105180
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.4

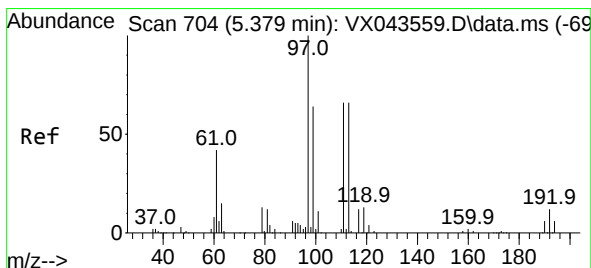
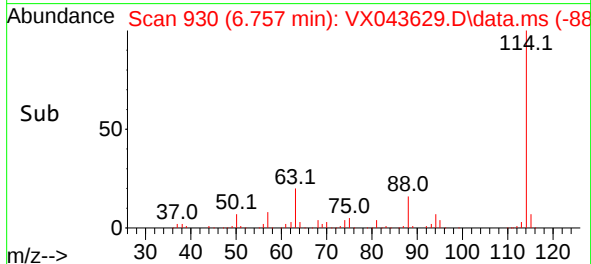
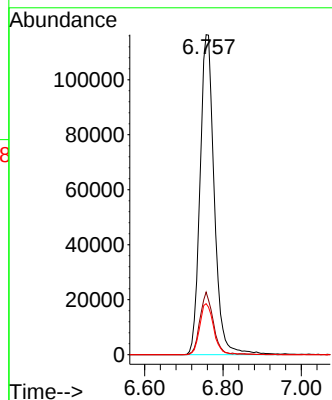
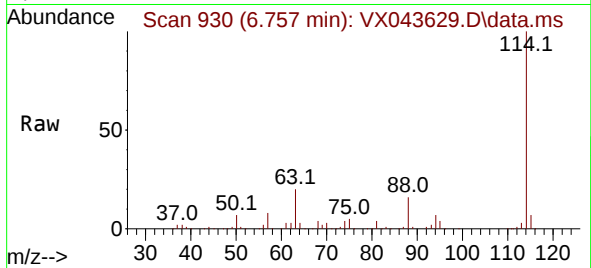




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX043629.D
Acq: 30 Oct 2024 17:07

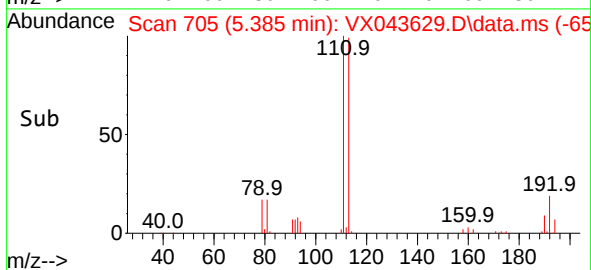
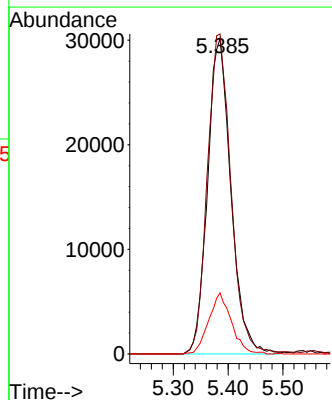
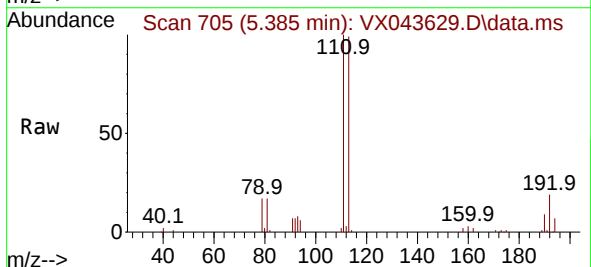
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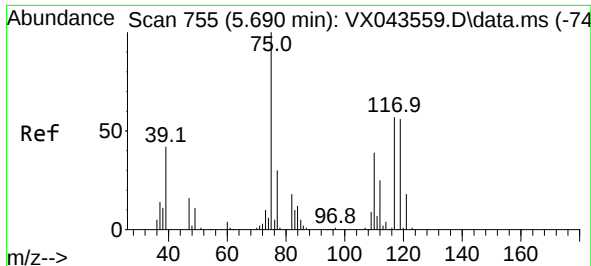
Tgt Ion:114 Resp: 294740
Ion Ratio Lower Upper
114 100
63 19.5 0.0 41.2
88 16.0 0.0 34.0



#35
Dibromofluoromethane
Concen: 44.607 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043629.D
Acq: 30 Oct 2024 17:07

Tgt Ion:113 Resp: 89153
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.0
192 18.8 14.1 21.1

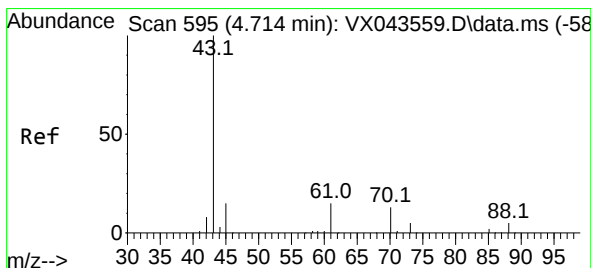
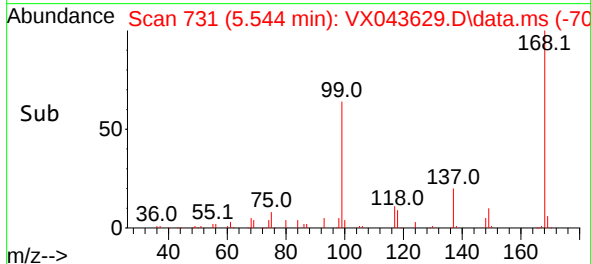
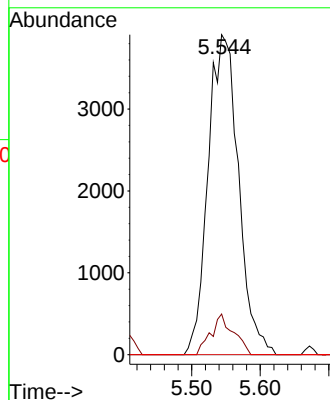
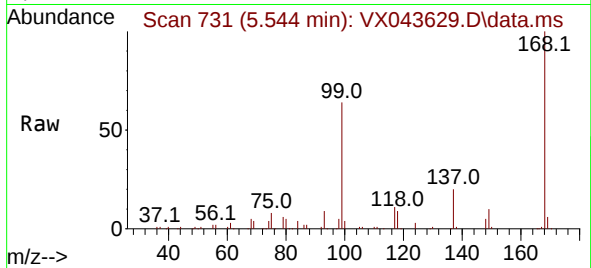




#36
1,1-Dichloropropene
Concen: 5.082 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX043629.D
Acq: 30 Oct 2024 17:07

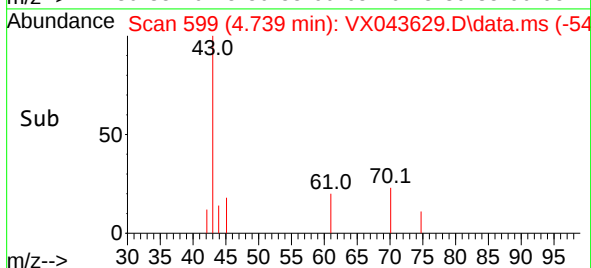
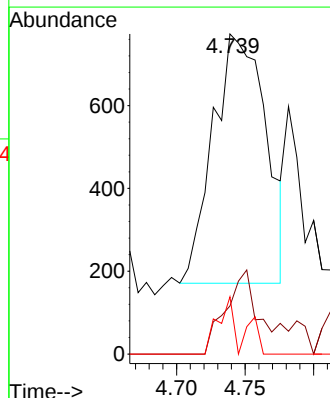
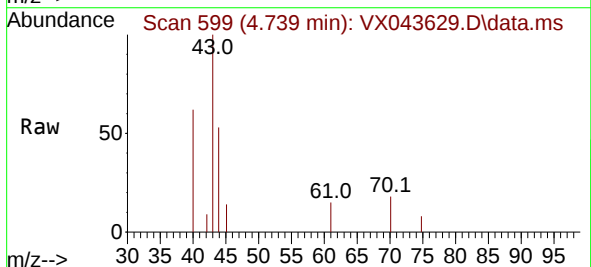
Instrument :
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PB164501ZHE#07

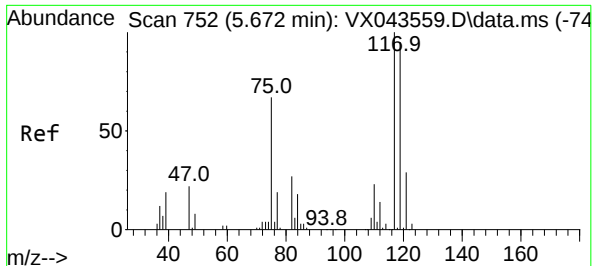
Tgt Ion: 75 Resp: 12044
Ion Ratio Lower Upper
75 100
110 9.4 17.9 53.7#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.560 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.018 min
Lab File: VX043629.D
Acq: 30 Oct 2024 17:07

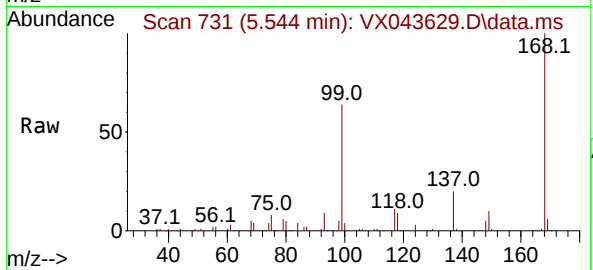
Tgt Ion: 43 Resp: 1612
Ion Ratio Lower Upper
43 100
61 20.1 11.0 16.6#
70 6.8 8.9 13.3#



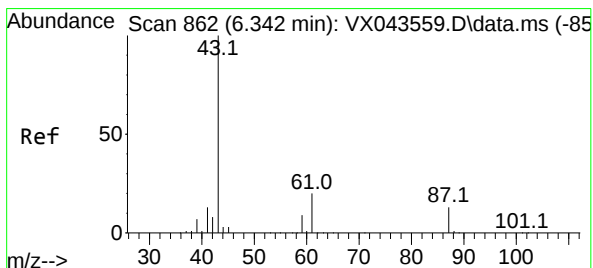
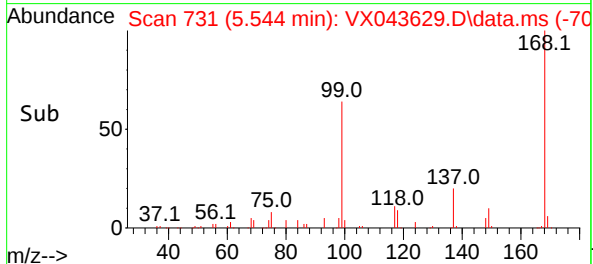
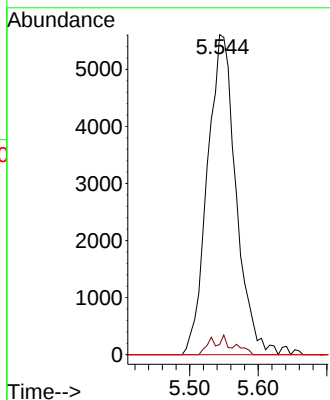


#38
Carbon Tetrachloride
Concen: 6.211 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX043629.D
Acq: 30 Oct 2024 17:07

Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#07

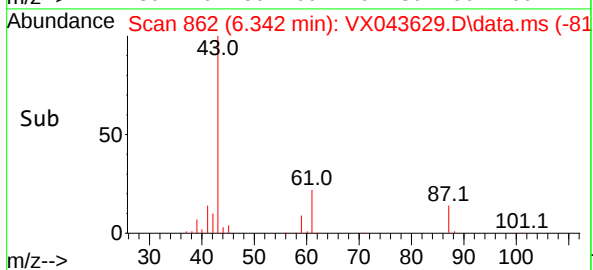
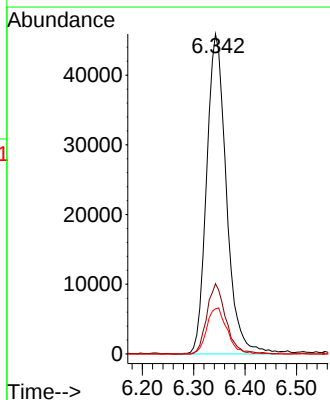
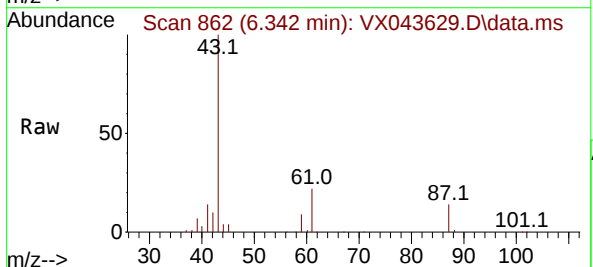


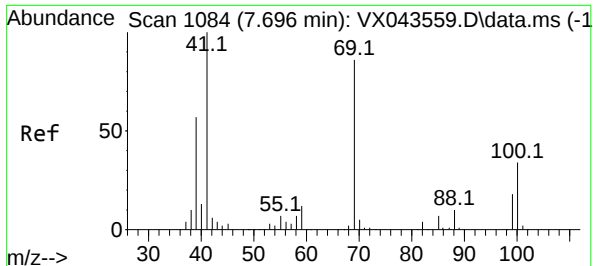
Tgt Ion:117 Resp: 16263
Ion Ratio Lower Upper
117 100
119 3.2 77.0 115.6#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 25.788 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX043629.D
Acq: 30 Oct 2024 17:07

Tgt Ion: 43 Resp: 122704
Ion Ratio Lower Upper
43 100
61 21.1 16.2 24.4
87 14.8 11.0 16.6

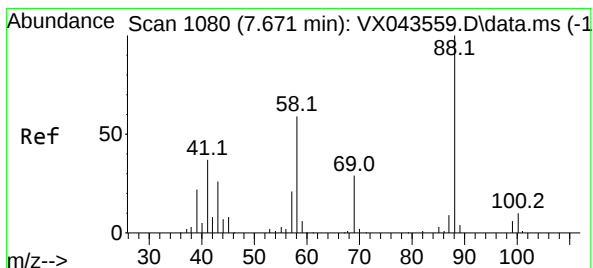
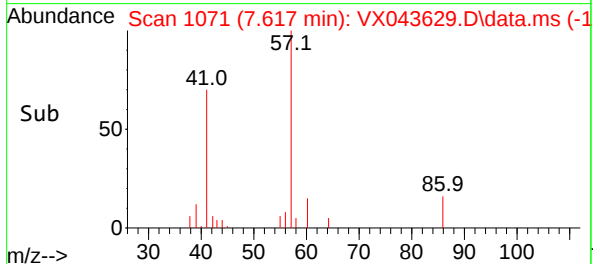
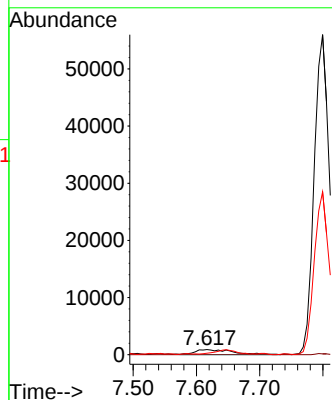
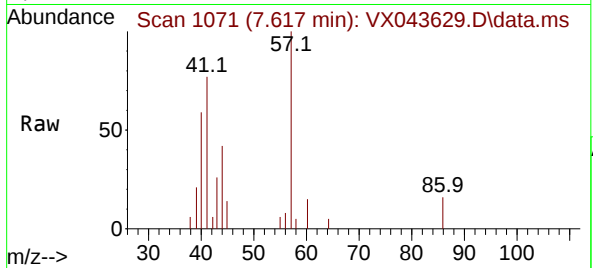




#48
Methyl methacrylate
Concen: 1.665 ug/l
RT: 7.617 min Scan# 1100
Delta R.T. -0.079 min
Lab File: VX043629.D
Acq: 30 Oct 2024 17:07

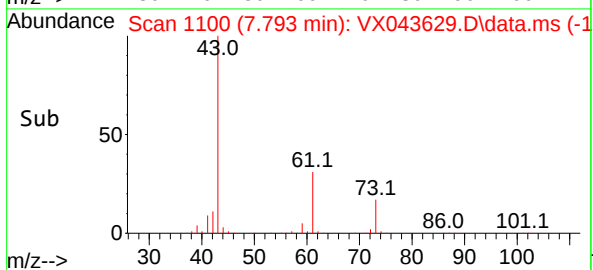
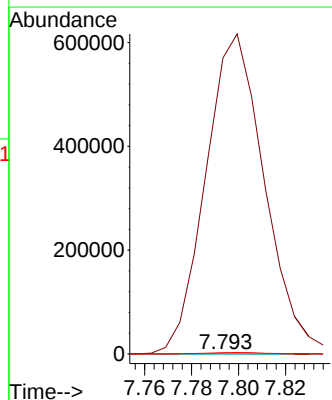
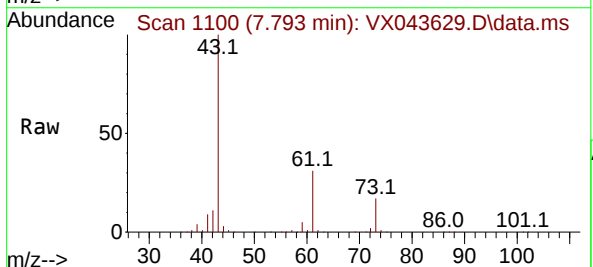
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#07

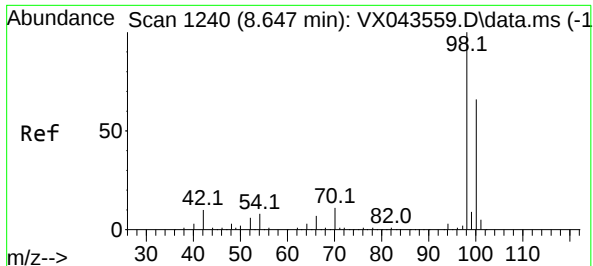
Tgt Ion: 41 Resp: 3755
Ion Ratio Lower Upper
41 100
69 0.0 67.7 101.5#
39 0.0 46.3 69.5#



#49
1,4-Dioxane
Concen: 3.992 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.122 min
Lab File: VX043629.D
Acq: 30 Oct 2024 17:07

Tgt Ion: 88 Resp: 185
Ion Ratio Lower Upper
88 100
43 590091.9 25.3 37.9#
58 2782.2 53.9 80.9#

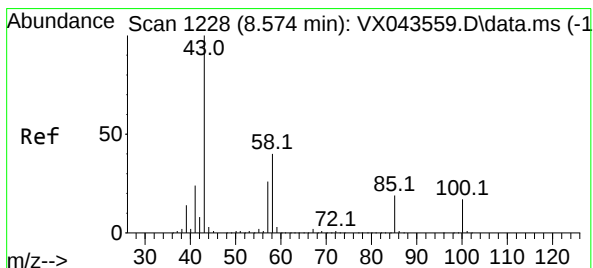
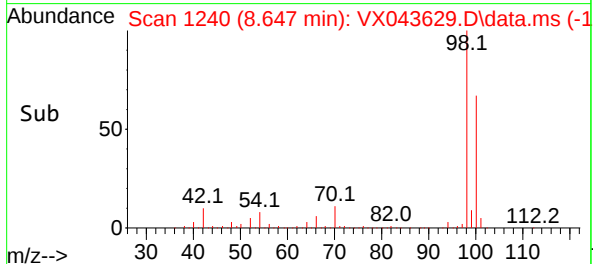
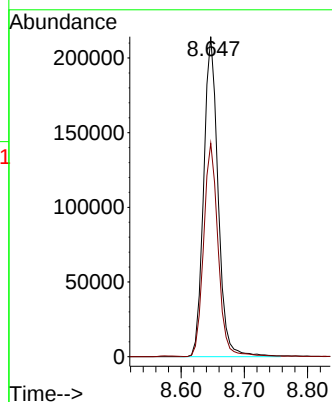
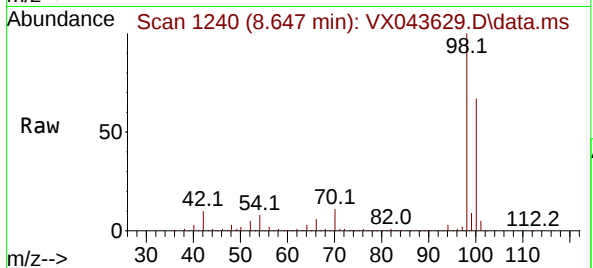




#50
Toluene-d8
Concen: 49.160 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043629.D
Acq: 30 Oct 2024 17:07

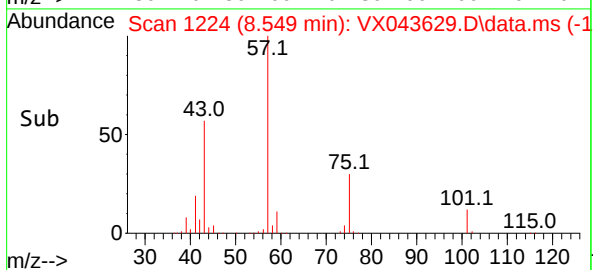
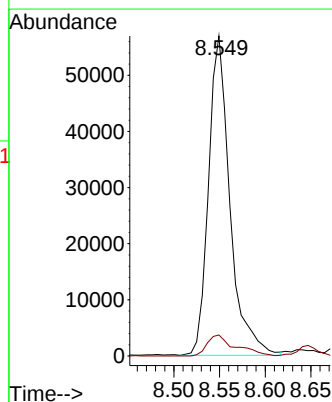
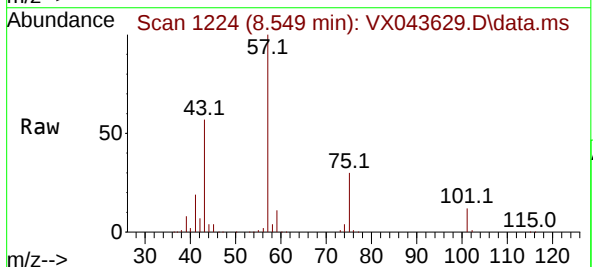
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#07

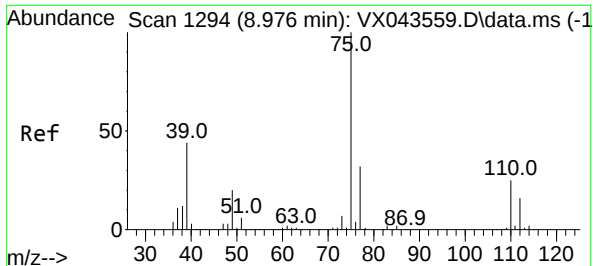
Tgt Ion: 98 Resp: 340114
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 32.002 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX043629.D
Acq: 30 Oct 2024 17:07

Tgt Ion: 43 Resp: 92809
Ion Ratio Lower Upper
43 100
58 8.7 31.7 47.5#





#53

t-1,3-Dichloropropene

Concen: 0.279 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX043629.D

Acq: 30 Oct 2024 17:07

Instrument :

MSVOA_X

ClientSampleId :

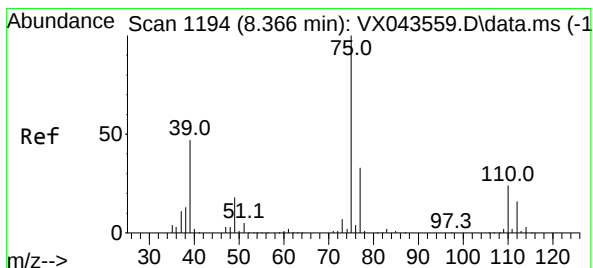
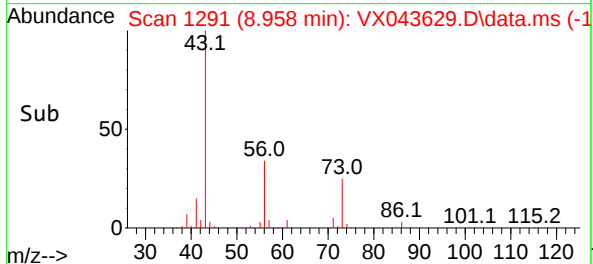
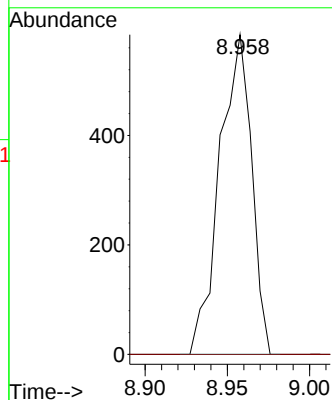
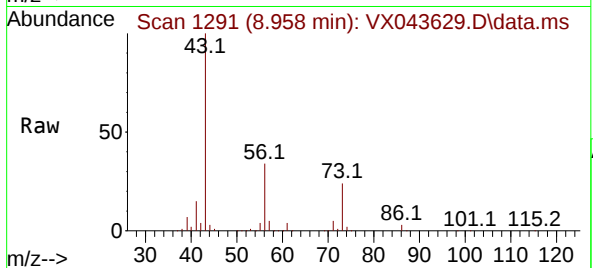
PB164501ZHE#07

Tgt Ion: 75 Resp: 789

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#



#54

cis-1,3-Dichloropropene

Concen: 15.767 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX043629.D

Acq: 30 Oct 2024 17:07

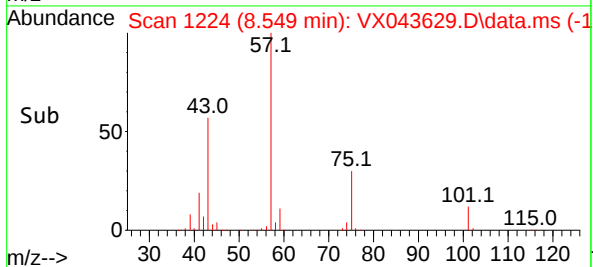
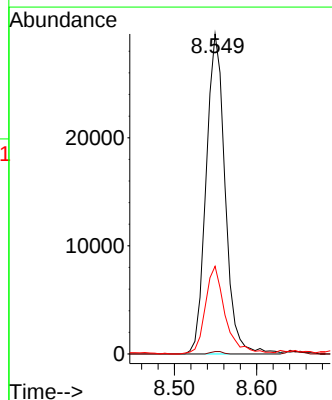
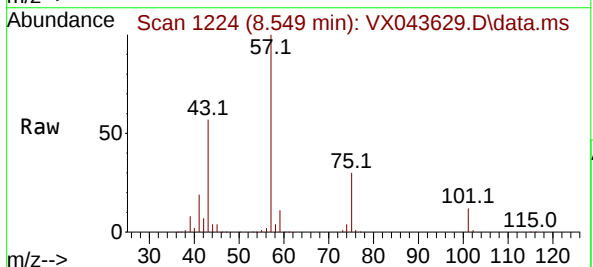
Tgt Ion: 75 Resp: 47446

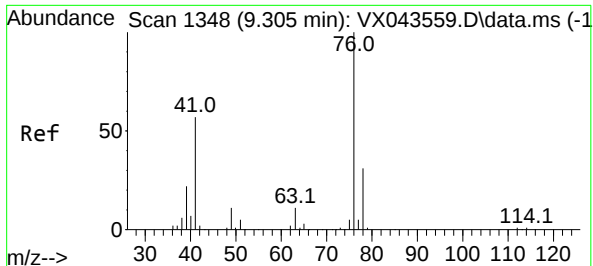
Ion Ratio Lower Upper

75 100

77 0.7 24.8 37.2#

39 27.4 37.7 56.5#

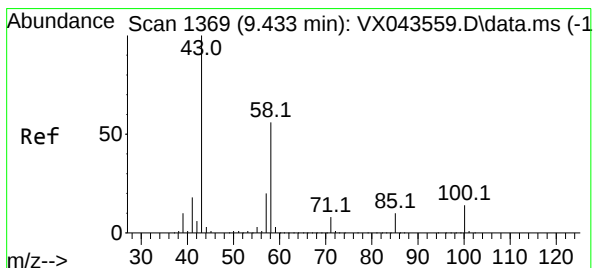
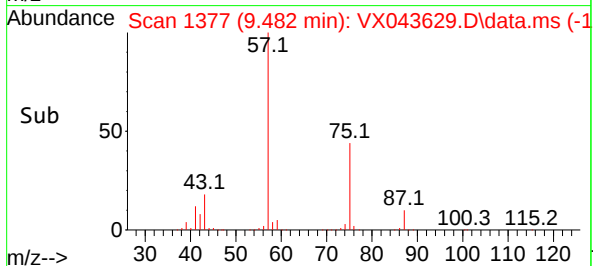
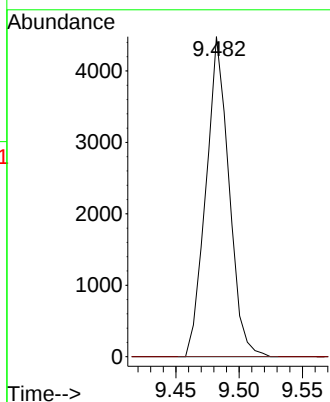
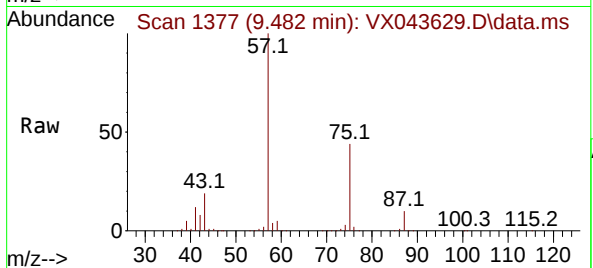




#57
1,3-Dichloropropane
Concen: 1.710 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX043629.D
Acq: 30 Oct 2024 17:07

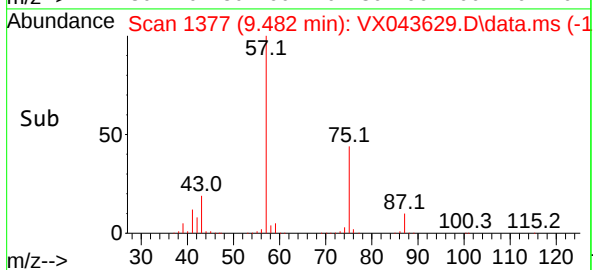
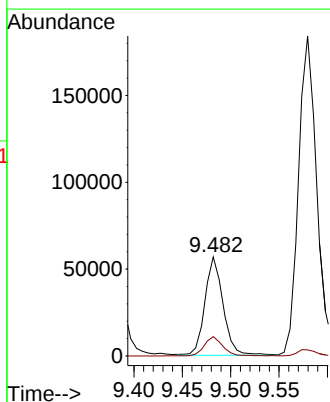
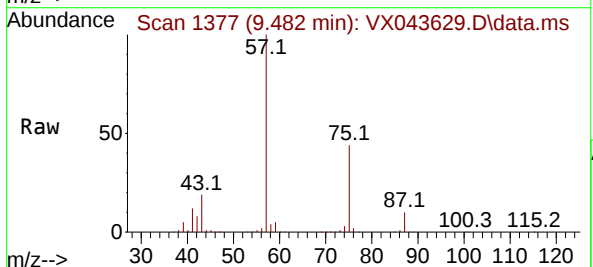
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#07

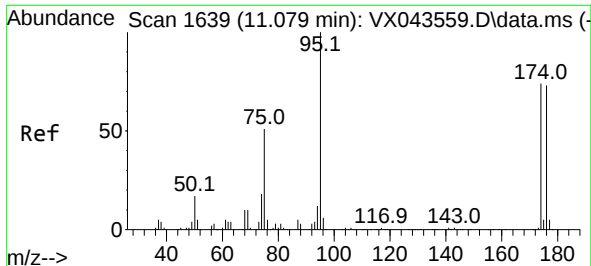
Tgt Ion: 76 Resp: 5675
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#



#59
2-Hexanone
Concen: 33.909 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX043629.D
Acq: 30 Oct 2024 17:07

Tgt Ion: 43 Resp: 74688
Ion Ratio Lower Upper
43 100
58 20.3 27.5 82.5#





#62

4-Bromofluorobenzene

Concen: 46.210 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043629.D

Acq: 30 Oct 2024 17:07

Instrument :

MSVOA_X

ClientSampleId :

PB164501ZHE#07

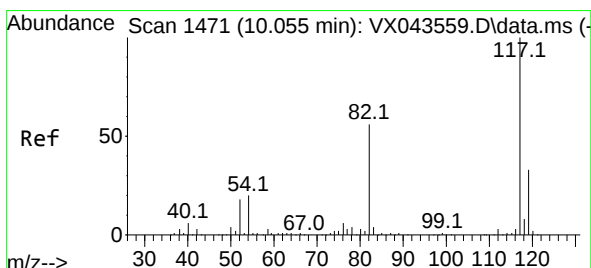
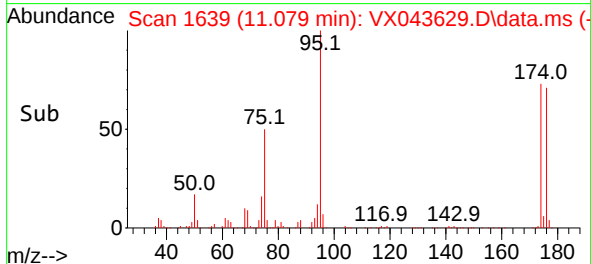
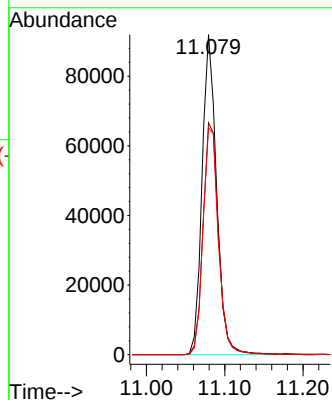
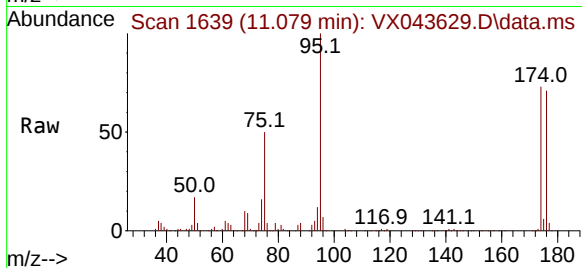
Tgt Ion: 95 Resp: 118467

Ion Ratio Lower Upper

95 100

174 77.2 0.0 146.6

176 75.2 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: VX043629.D

Acq: 30 Oct 2024 17:07

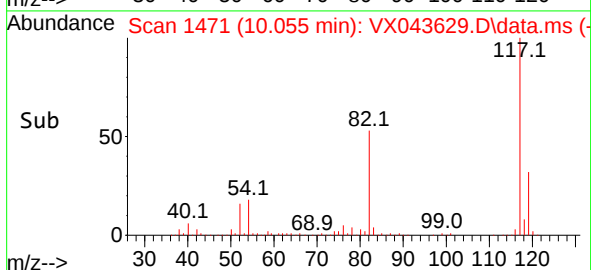
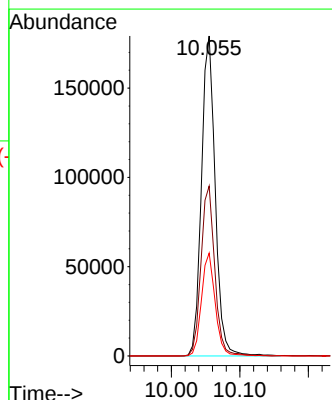
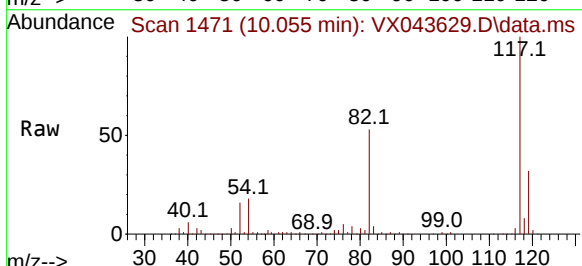
Tgt Ion: 117 Resp: 251397

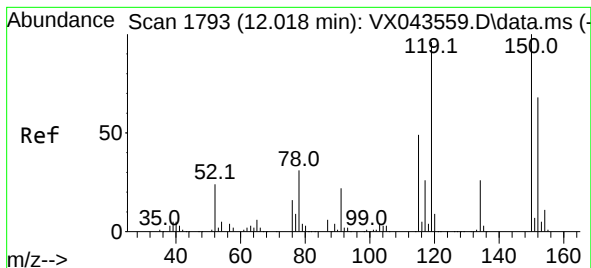
Ion Ratio Lower Upper

117 100

82 53.1 42.1 63.1

119 32.2 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX043629.D

Acq: 30 Oct 2024 17:07

Instrument :

MSVOA_X

ClientSampleId :

PB164501ZHE#07

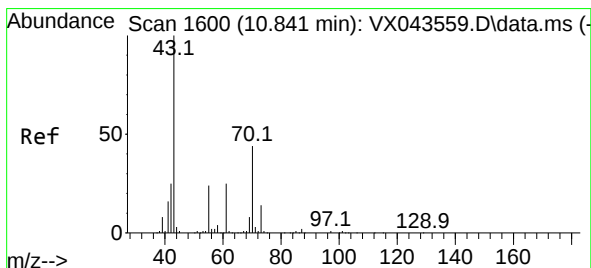
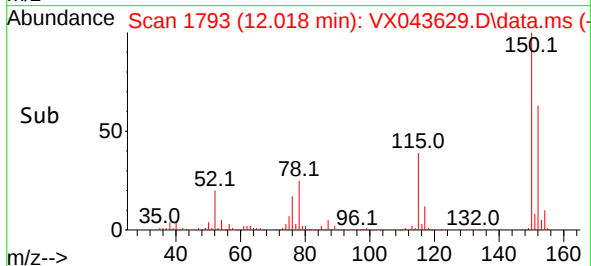
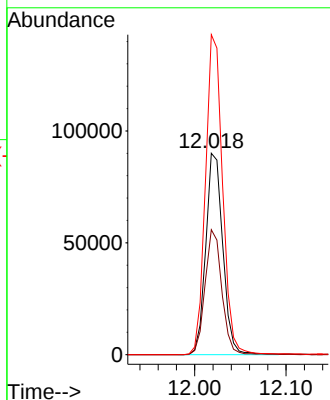
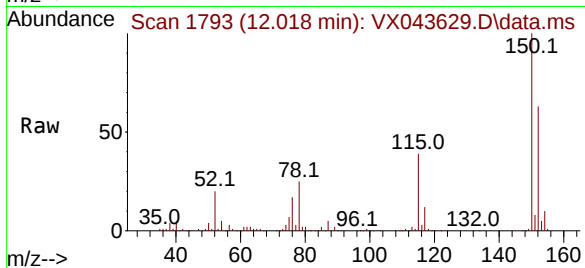
Tgt Ion:152 Resp: 116547

Ion Ratio Lower Upper

152 100

115 61.1 42.9 128.7

150 159.8 0.0 343.6



#74

N-ethyl acetate

Concen: 0.213 ug/l

RT: 10.811 min Scan# 1595

Delta R.T. -0.030 min

Lab File: VX043629.D

Acq: 30 Oct 2024 17:07

Tgt Ion: 43 Resp: 857

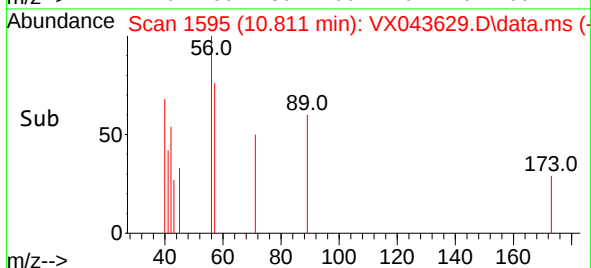
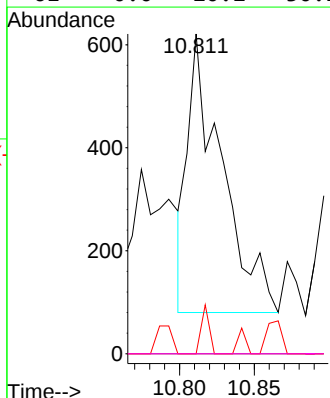
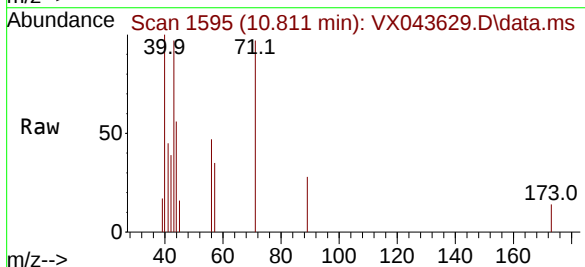
Ion Ratio Lower Upper

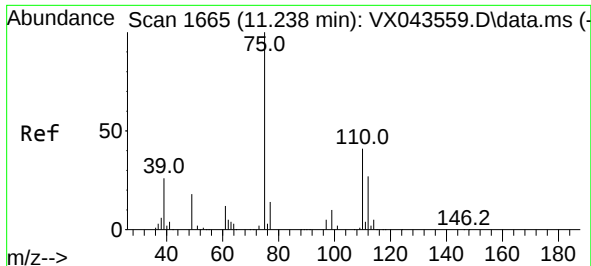
43 100

70 0.0 34.6 52.0#

55 4.1 19.6 29.4#

61 0.0 20.2 30.2#

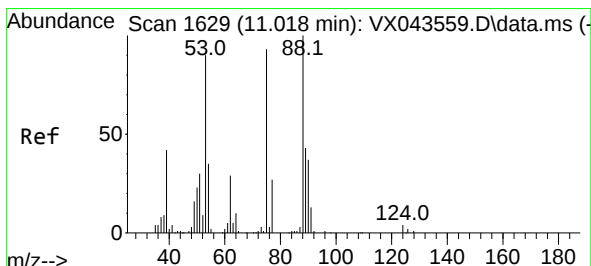
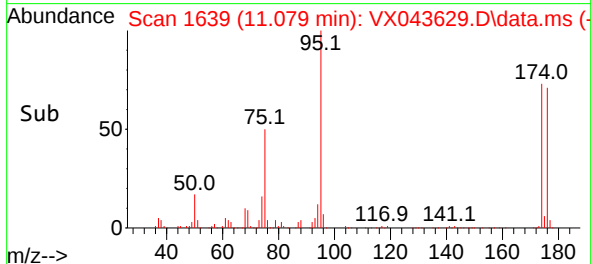
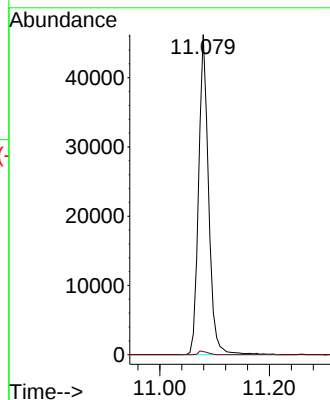
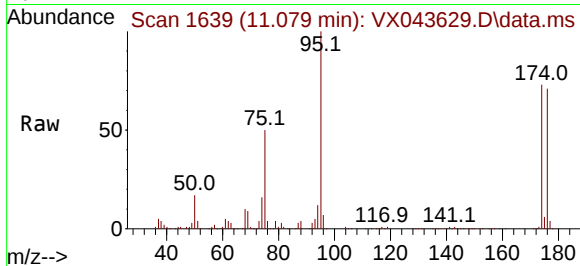




#76
1,2,3-Trichloropropane
Concen: 23.554 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043629.D
Acq: 30 Oct 2024 17:07

Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#07

Tgt Ion: 75 Resp: 58694
Ion Ratio Lower Upper
75 100
77 1.0 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.797 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043629.D
Acq: 30 Oct 2024 17:07

Tgt Ion: 75 Resp: 58694
Ion Ratio Lower Upper
75 100
53 0.0 84.6 126.8#
89 0.0 38.6 58.0#

