

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
 Data File : VX043628.D
 Acq On : 30 Oct 2024 16:44
 Operator : JC/MD
 Sample : PB164501ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB164501ZHE#06

Quant Time: Oct 31 23:01:30 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)

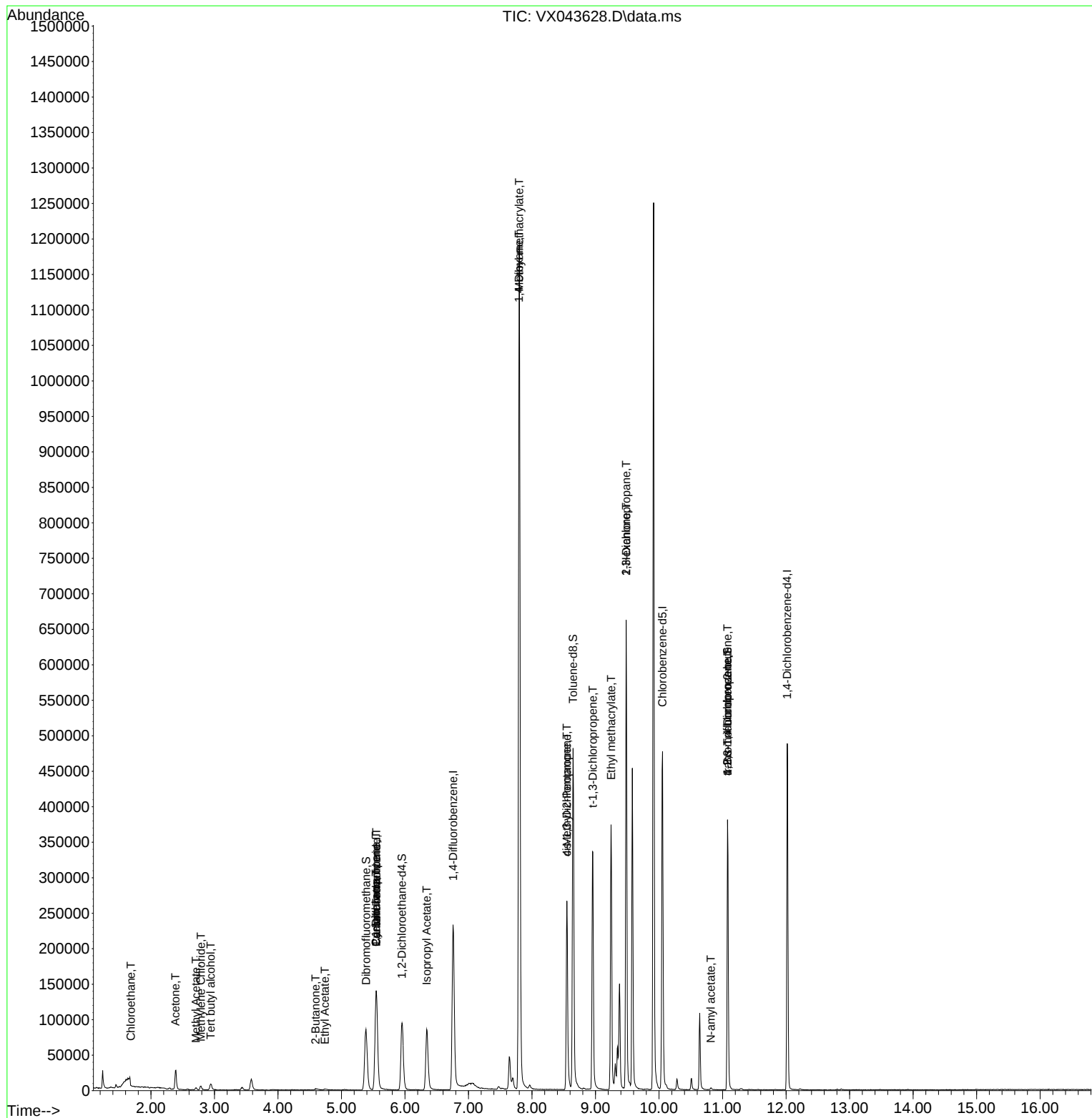
Internal Standards						
1) Pentafluorobenzene	5.550	168	140990	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	261231	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228877	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	108679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93709	41.683	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.360%		
35) Dibromofluoromethane	5.385	113	79264	44.747	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.500%		
50) Toluene-d8	8.647	98	302084	49.264	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.520%		
62) 4-Bromofluorobenzene	11.079	95	106496	46.869	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.740%		
Target Compounds					Qvalue	
6) Chloroethane	1.684	64	292	0.463	ug/l #	51
11) Tert butyl alcohol	2.940	59	5065	12.071	ug/l #	100
16) Acetone	2.386	43	29816	33.398	ug/l	97
18) Methyl Acetate	2.709	43	3374	1.293	ug/l	97
20) Methylene Chloride	2.788	84	2840	1.476	ug/l	89
25) 2-Butanone	4.592	43	1626	1.249	ug/l #	89
31) Cyclohexane	5.543	56	2397	1.010	ug/l #	9
36) 1,1-Dichloropropene	5.543	75	10478	4.988	ug/l #	49
37) Ethyl Acetate	4.739	43	1275	0.500	ug/l #	80
38) Carbon Tetrachloride	5.550	117	14570	6.278	ug/l #	16
43) Isopropyl Acetate	6.342	43	121433	28.795	ug/l	98
48) Methyl methacrylate	7.799	41	98420	49.224	ug/l #	40
49) 1,4-Dioxane	7.793	88	100	2.434	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	92680	36.057	ug/l #	50
53) t-1,3-Dichloropropene	8.957	75	942	0.376	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	47618	17.854	ug/l #	58
56) Ethyl methacrylate	9.244	69	774	0.269	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	6255	2.126	ug/l #	42
59) 2-Hexanone	9.482	43	75764	38.810	ug/l #	52
74) N-amyl acetate	10.817	43	1066	0.284	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	51907	22.338	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	51907	61.453	ug/l #	7

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043628.D
Acq On : 30 Oct 2024 16:44
Operator : JC/MD
Sample : PB164501ZHE#06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#06

Quant Time: Oct 31 23:01:30 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

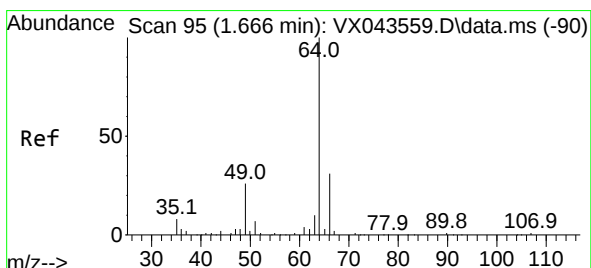
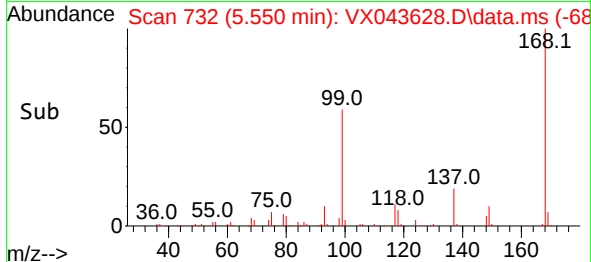
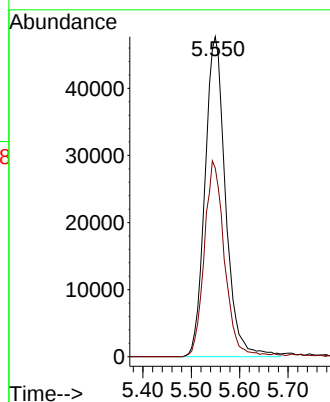
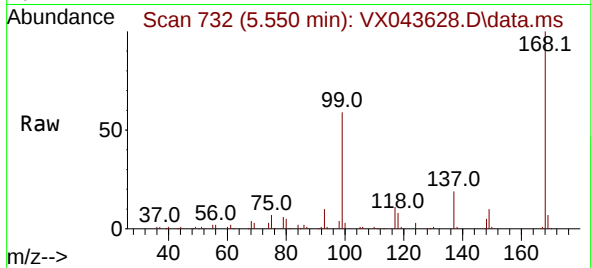




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043628.D
Acq: 30 Oct 2024 16:44

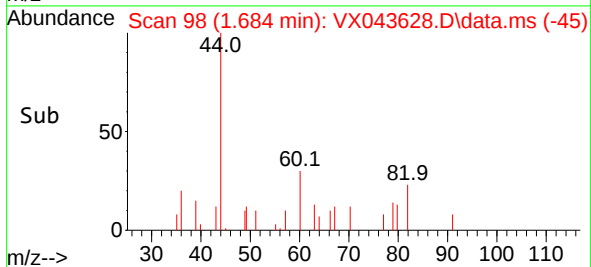
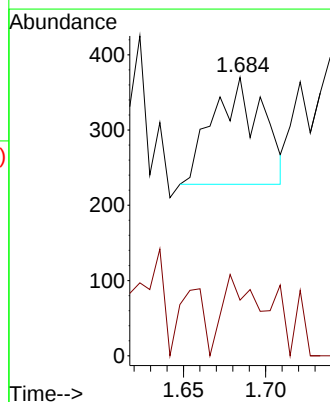
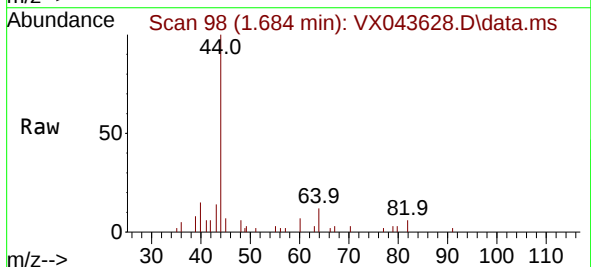
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#06

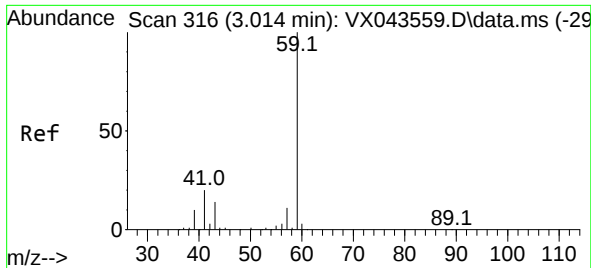
Tgt Ion:168 Resp: 140990
Ion Ratio Lower Upper
168 100
99 58.9 52.6 78.8



#6
Chloroethane
Concen: 0.463 ug/l
RT: 1.684 min Scan# 98
Delta R.T. 0.024 min
Lab File: VX043628.D
Acq: 30 Oct 2024 16:44

Tgt Ion: 64 Resp: 292
Ion Ratio Lower Upper
64 100
66 4.2 25.1 37.7#

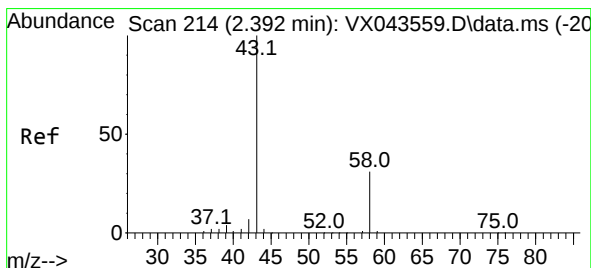
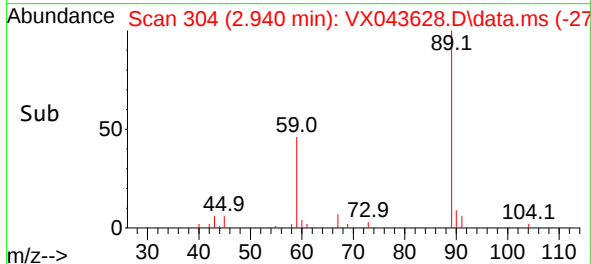
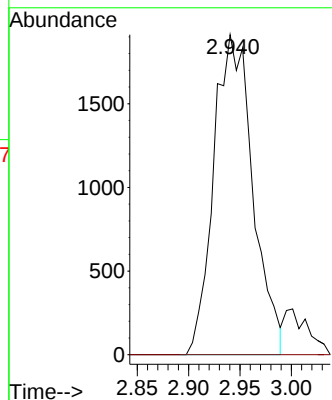
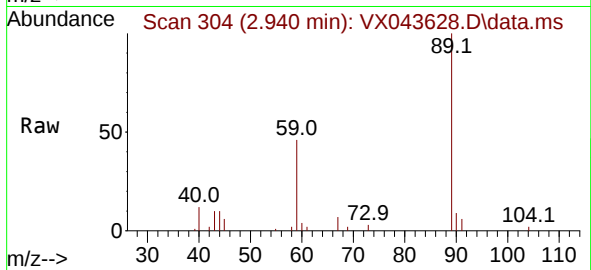




#11
Tert butyl alcohol
Concen: 12.071 ug/l
RT: 2.940 min Scan# 30
Delta R.T. -0.110 min
Lab File: VX043628.D
Acq: 30 Oct 2024 16:44

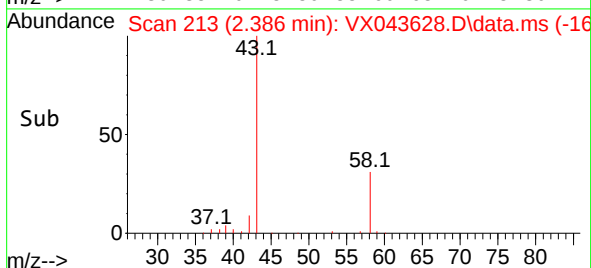
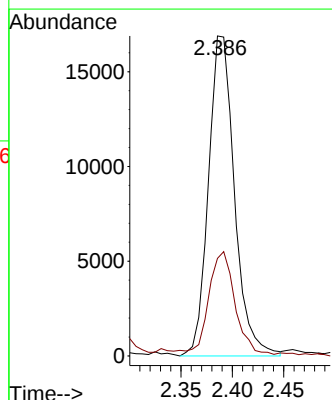
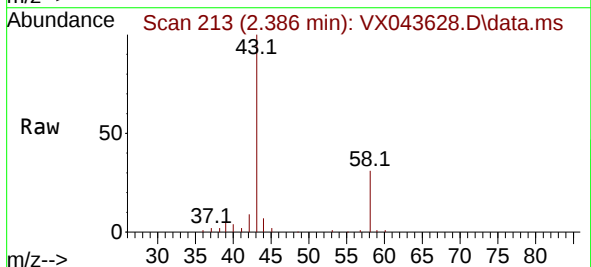
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#06

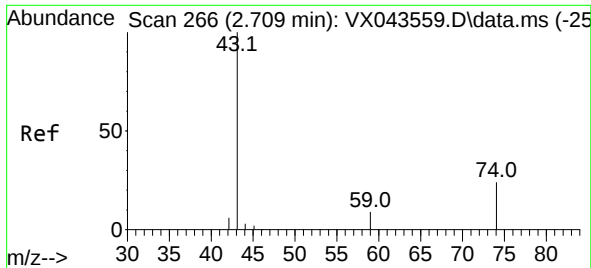
Tgt Ion: 59 Resp: 5065
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 33.398 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX043628.D
Acq: 30 Oct 2024 16:44

Tgt Ion: 43 Resp: 29816
Ion Ratio Lower Upper
43 100
58 29.6 25.1 37.7

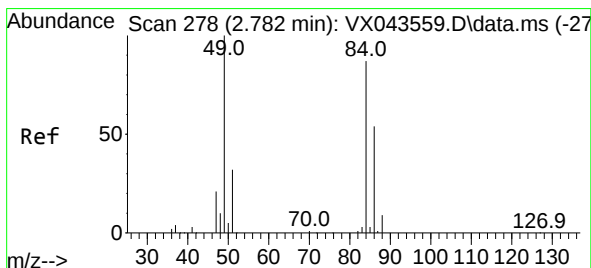
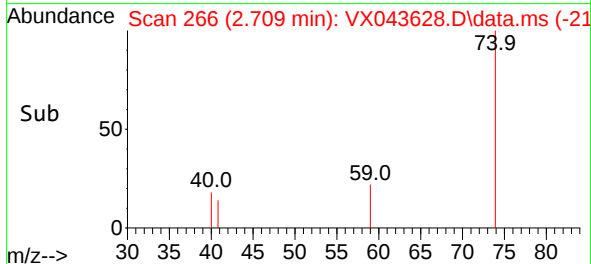
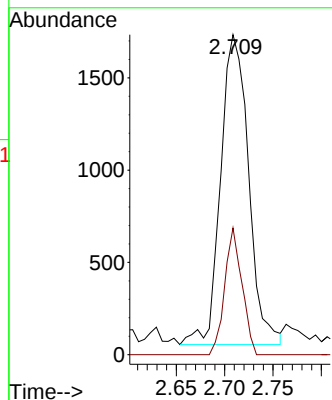
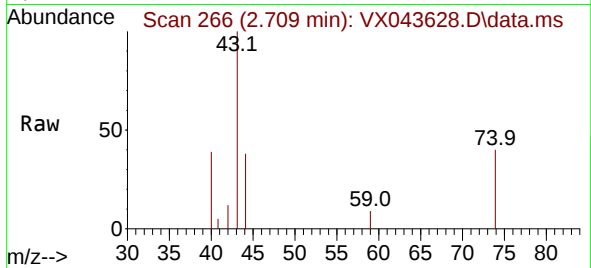




#18
Methyl Acetate
Concen: 1.293 ug/l
RT: 2.709 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX043628.D
Acq: 30 Oct 2024 16:44

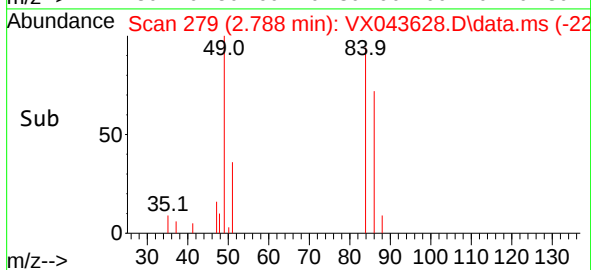
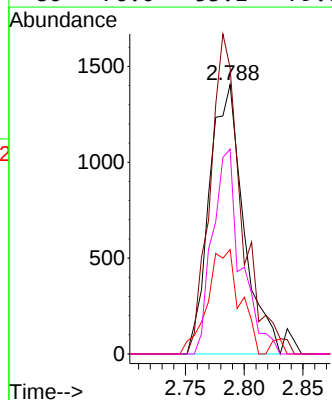
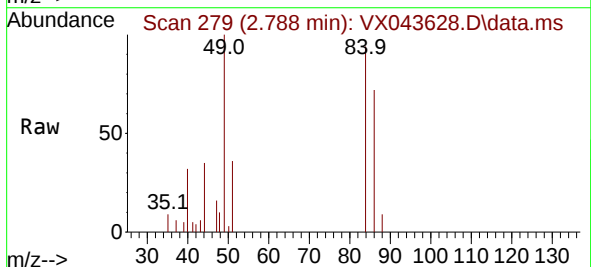
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#06

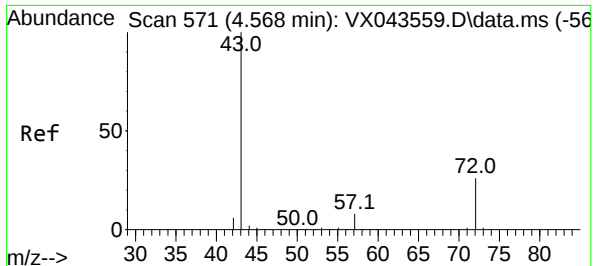
Tgt Ion: 43 Resp: 3374
Ion Ratio Lower Upper
43 100
74 25.2 19.1 28.7



#20
Methylene Chloride
Concen: 1.476 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX043628.D
Acq: 30 Oct 2024 16:44

Tgt Ion: 84 Resp: 2840
Ion Ratio Lower Upper
84 100
49 106.1 97.0 145.6
51 38.7 29.8 44.8
86 76.0 53.1 79.7





#25

2-Butanone

Concen: 1.249 ug/l

RT: 4.592 min Scan# 5

Delta R.T. 0.024 min

Lab File: VX043628.D

Acq: 30 Oct 2024 16:44

Instrument :

MSVOA_X

ClientSampleId :

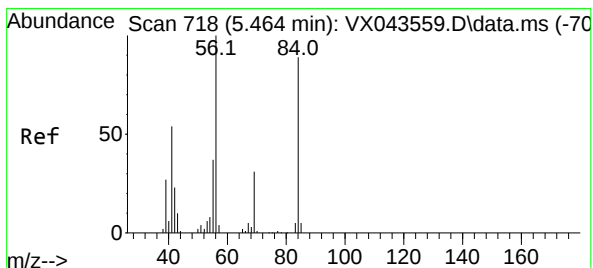
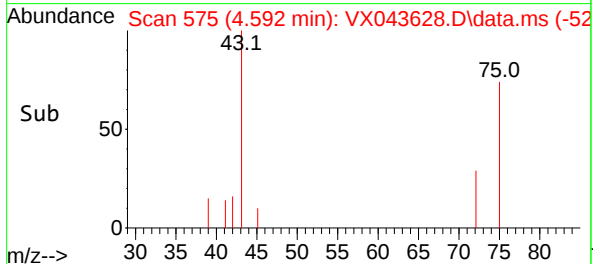
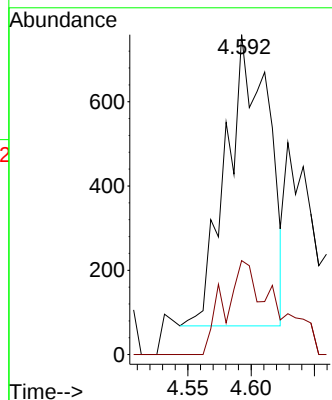
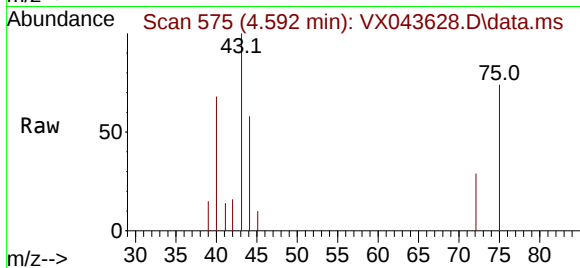
PB164501ZHE#06

Tgt Ion: 43 Resp: 1626

Ion Ratio Lower Upper

43 100

72 32.3 21.1 31.7#



#31

Cyclohexane

Concen: 1.010 ug/l

RT: 5.543 min Scan# 731

Delta R.T. 0.085 min

Lab File: VX043628.D

Acq: 30 Oct 2024 16:44

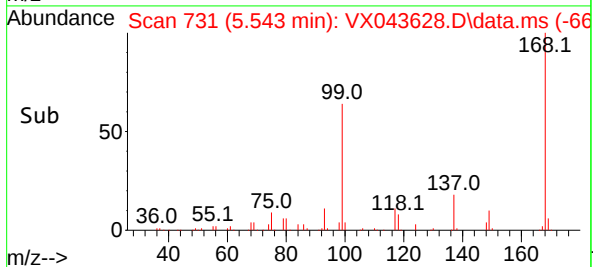
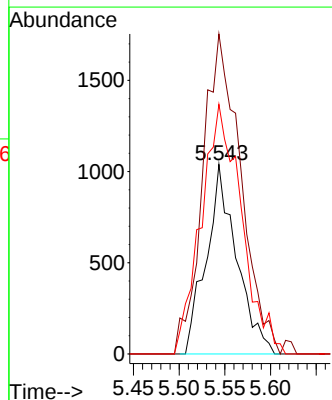
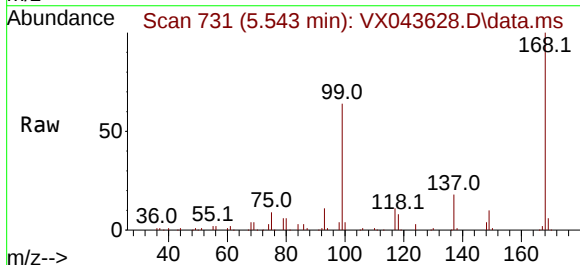
Tgt Ion: 56 Resp: 2397

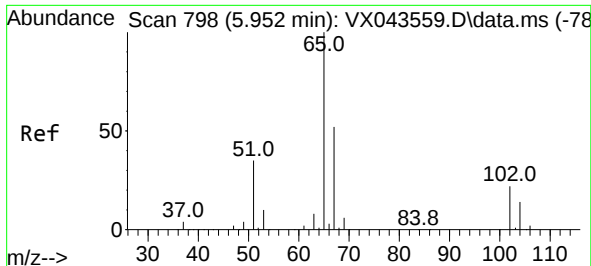
Ion Ratio Lower Upper

56 100

69 168.8 24.9 37.3#

84 126.3 73.3 109.9#





#33

1,2-Dichloroethane-d4

Concen: 41.683 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX043628.D

Acq: 30 Oct 2024 16:44

Instrument :

MSVOA_X

ClientSampleId :

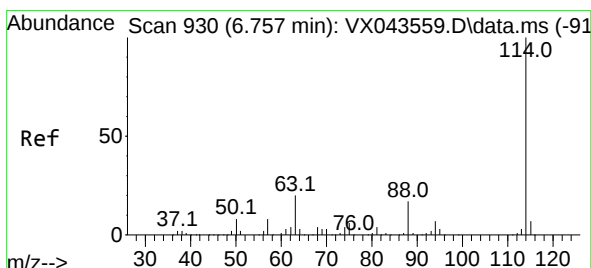
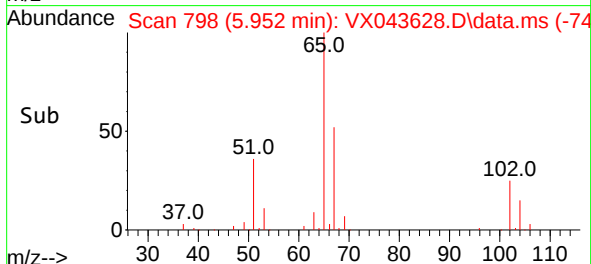
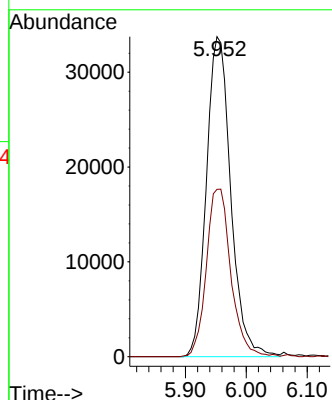
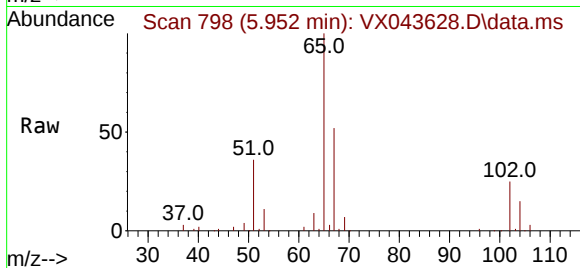
PB164501ZHE#06

Tgt Ion: 65 Resp: 93709

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043628.D

Acq: 30 Oct 2024 16:44

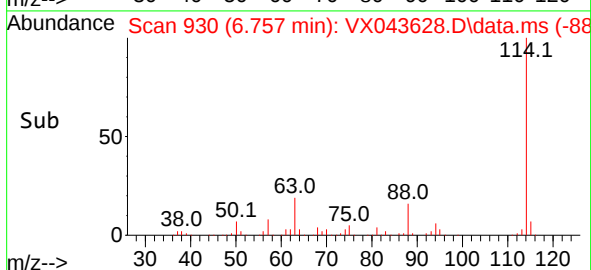
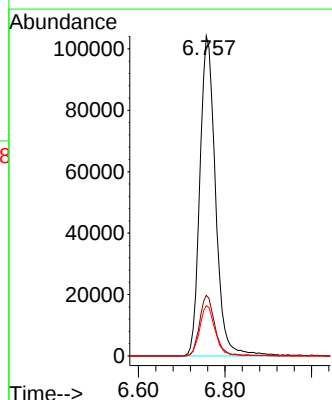
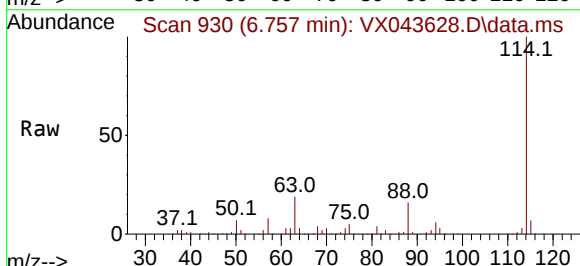
Tgt Ion: 114 Resp: 261231

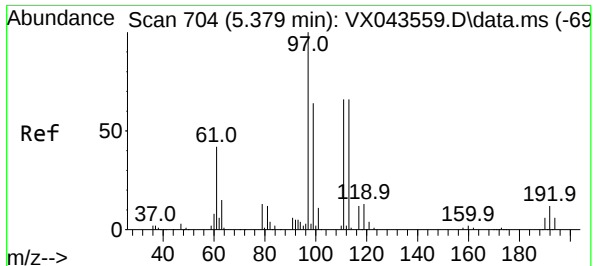
Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.2

88 15.7 0.0 34.0

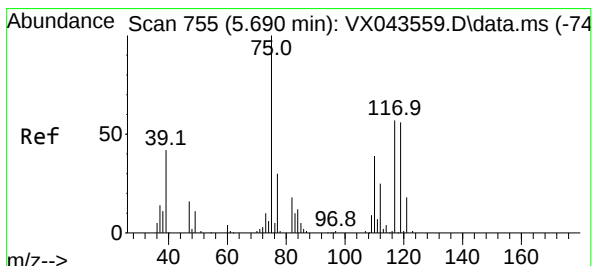
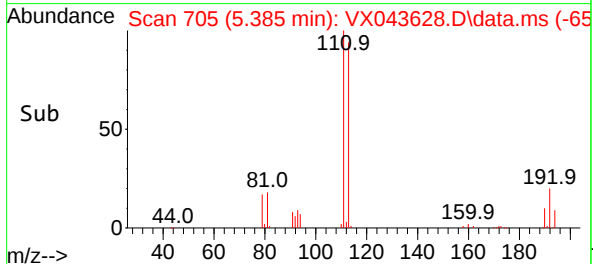
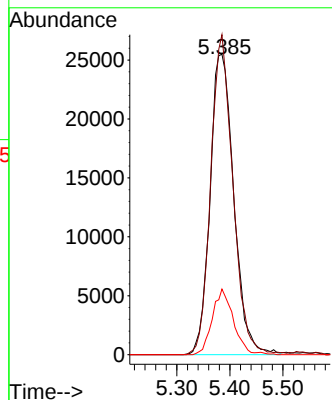
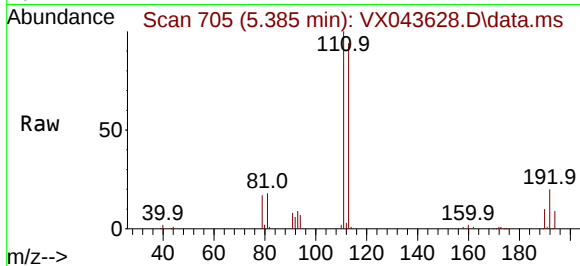




#35
Dibromofluoromethane
Concen: 44.747 ug/l
RT: 5.385 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX043628.D
Acq: 30 Oct 2024 16:44

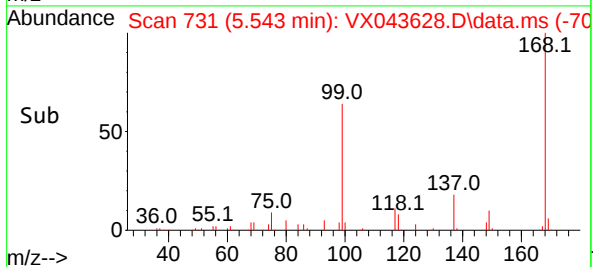
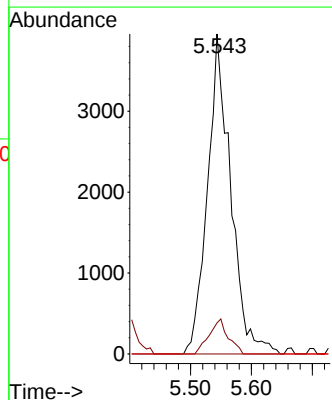
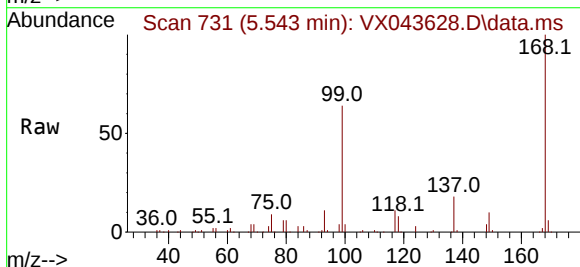
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#06

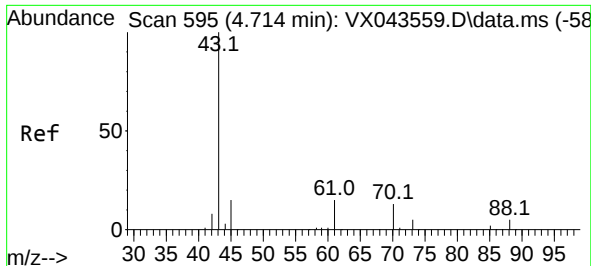
Tgt Ion:113 Resp: 79264
Ion Ratio Lower Upper
113 100
111 99.6 81.4 122.0
192 19.5 14.1 21.1



#36
1,1-Dichloropropene
Concen: 4.988 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX043628.D
Acq: 30 Oct 2024 16:44

Tgt Ion: 75 Resp: 10478
Ion Ratio Lower Upper
75 100
110 8.9 17.9 53.7#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.500 ug/l

RT: 4.739 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX043628.D

Acq: 30 Oct 2024 16:44

Instrument :

MSVOA_X

ClientSampleId :

PB164501ZHE#06

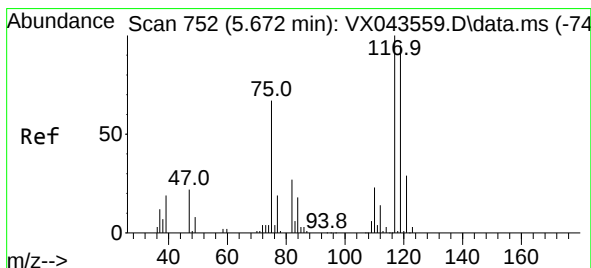
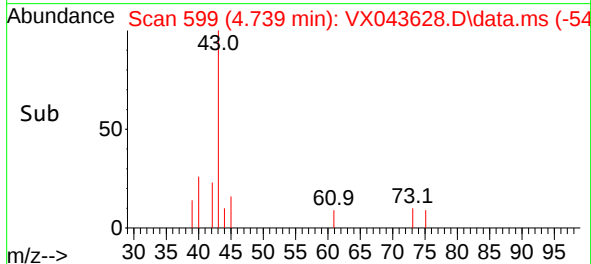
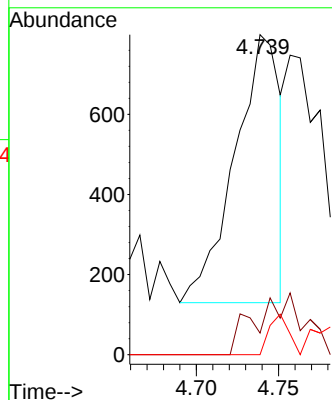
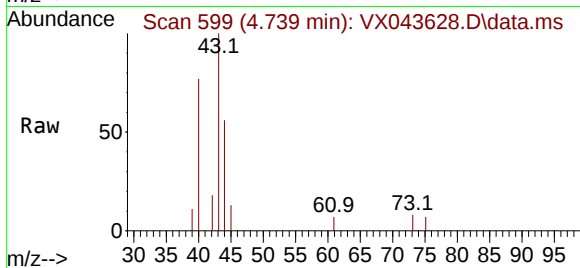
Tgt Ion: 43 Resp: 1275

Ion Ratio Lower Upper

43 100

61 24.2 11.0 16.6#

70 6.5 8.9 13.3#



#38

Carbon Tetrachloride

Concen: 6.278 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX043628.D

Acq: 30 Oct 2024 16:44

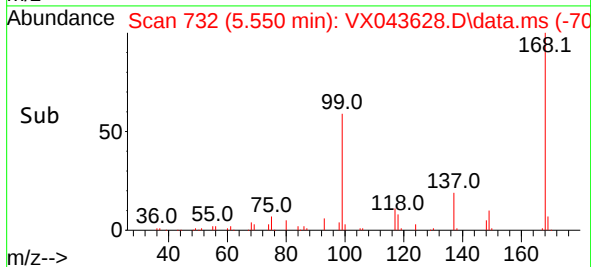
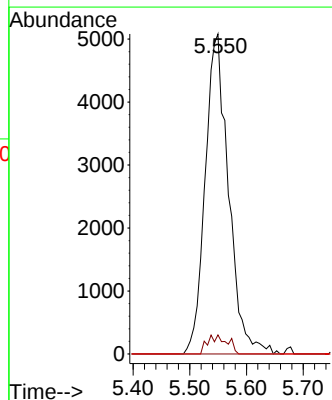
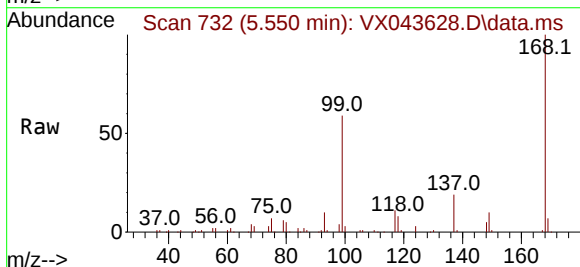
Tgt Ion: 117 Resp: 14570

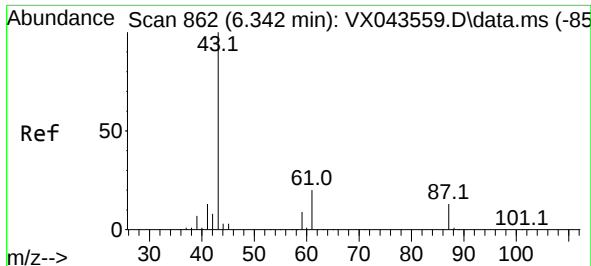
Ion Ratio Lower Upper

117 100

119 6.0 77.0 115.6#

121 0.0 24.7 37.1#

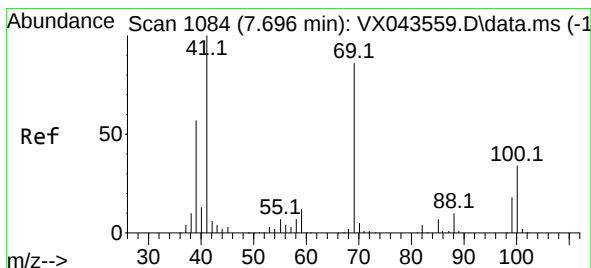
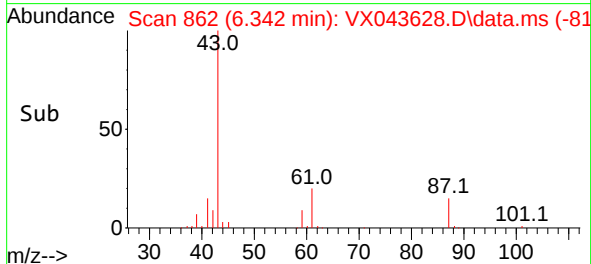
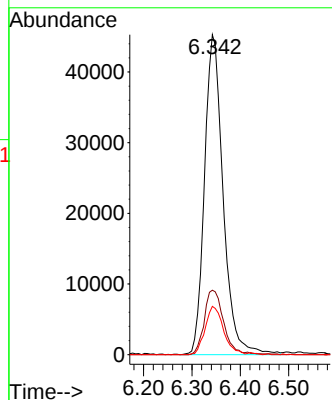
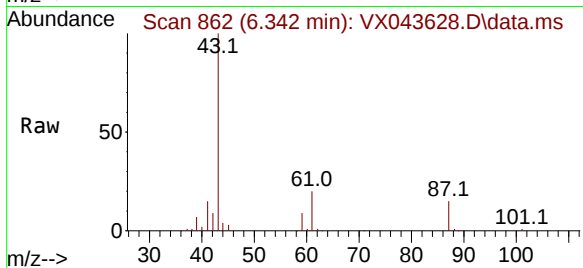




#43
Isopropyl Acetate
Concen: 28.795 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX043628.D
Acq: 30 Oct 2024 16:44

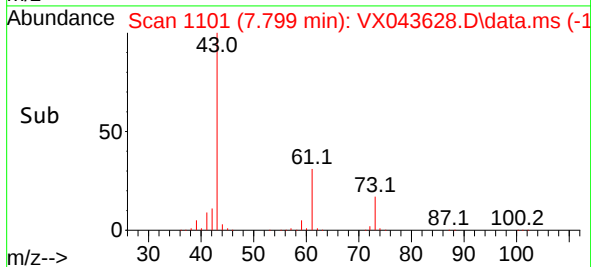
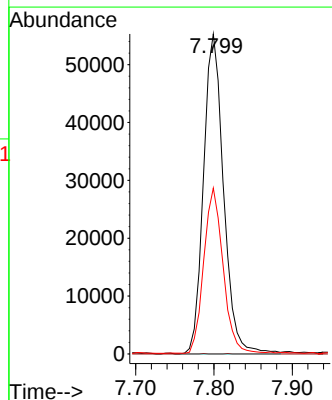
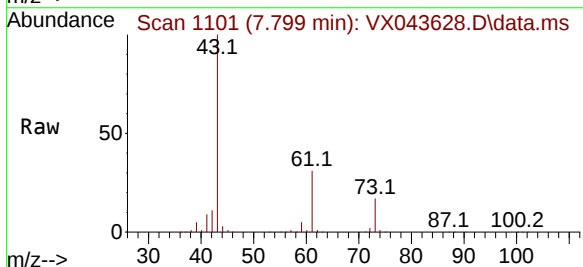
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#06

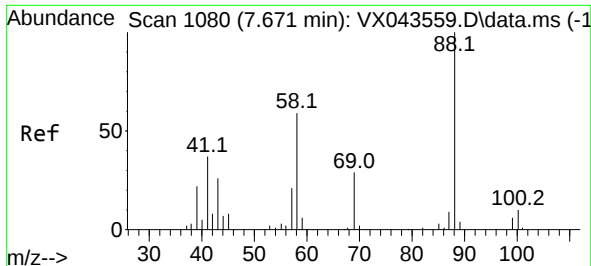
Tgt Ion: 43 Resp: 121433
Ion Ratio Lower Upper
43 100
61 21.0 16.2 24.4
87 14.8 11.0 16.6



#48
Methyl methacrylate
Concen: 49.224 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043628.D
Acq: 30 Oct 2024 16:44

Tgt Ion: 41 Resp: 98420
Ion Ratio Lower Upper
41 100
69 0.0 67.7 101.5#
39 49.8 46.3 69.5





#49

1,4-Dioxane

Concen: 2.434 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.122 min

Lab File: VX043628.D

Acq: 30 Oct 2024 16:44

Instrument :

MSVOA_X

ClientSampleId :

PB164501ZHE#06

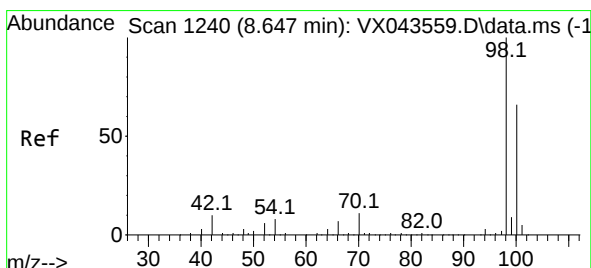
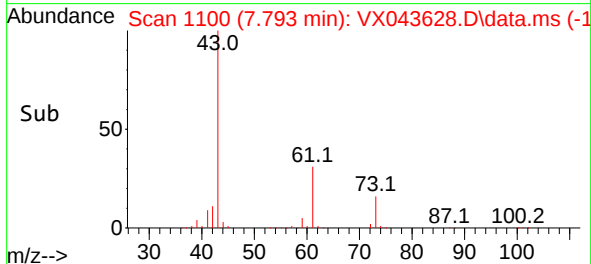
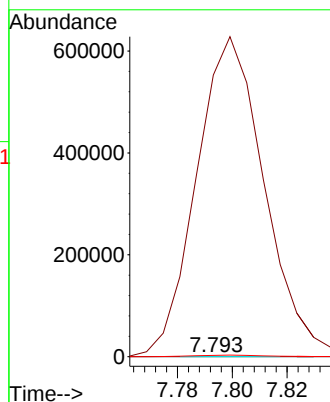
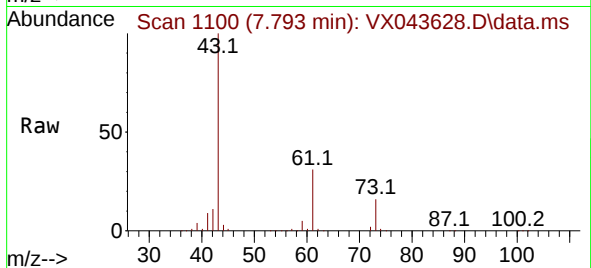
Tgt Ion: 88 Resp: 100

Ion Ratio Lower Upper

88 100

43 1102900.0 25.3 37.9#

58 5462.0 53.9 80.9#



#50

Toluene-d8

Concen: 49.264 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX043628.D

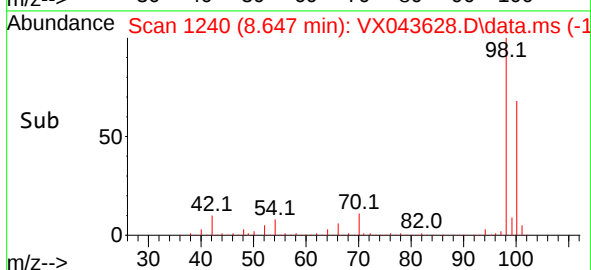
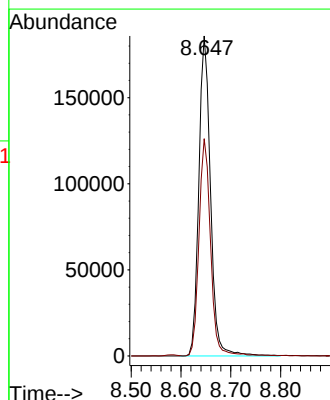
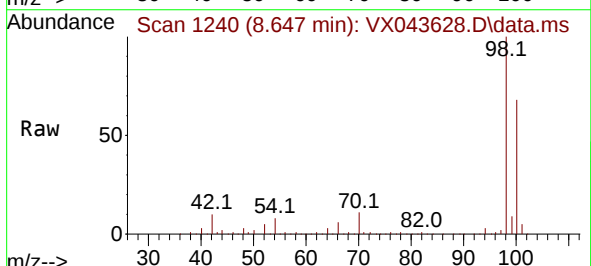
Acq: 30 Oct 2024 16:44

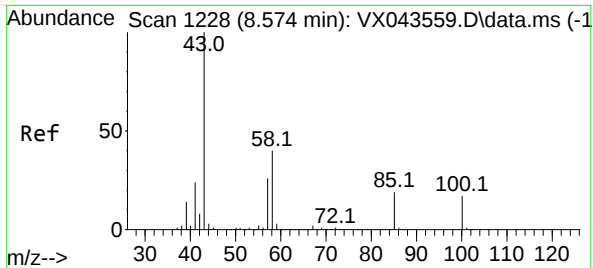
Tgt Ion: 98 Resp: 302084

Ion Ratio Lower Upper

98 100

100 67.7 53.4 80.2

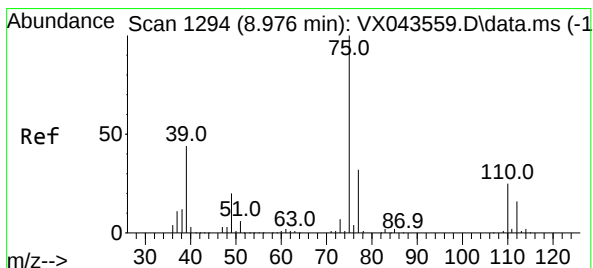
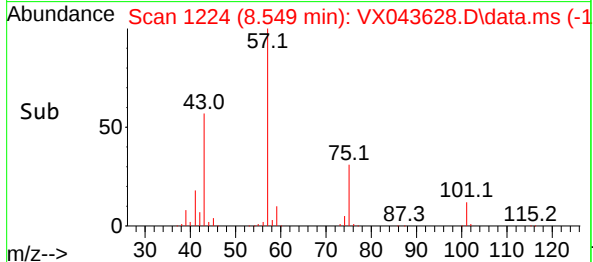
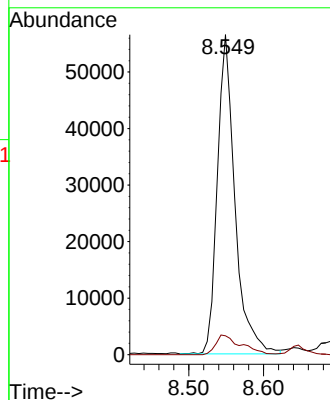
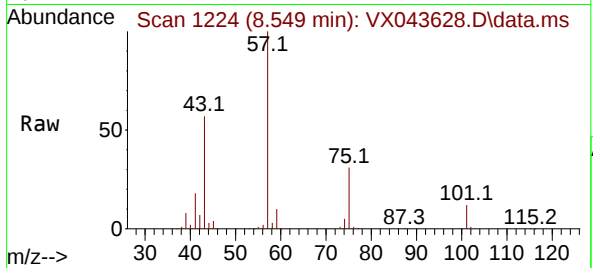




#51
4-Methyl-2-Pentanone
Concen: 36.057 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX043628.D
Acq: 30 Oct 2024 16:44

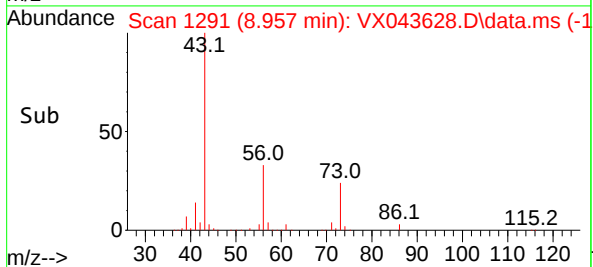
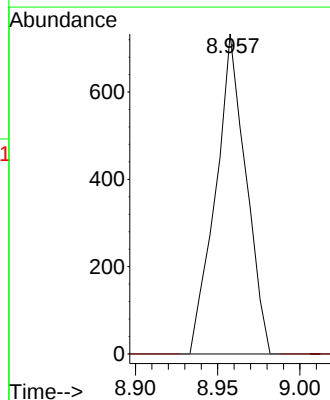
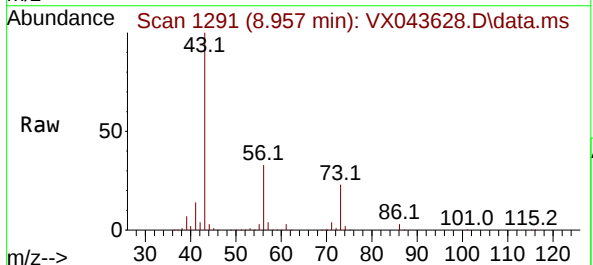
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#06

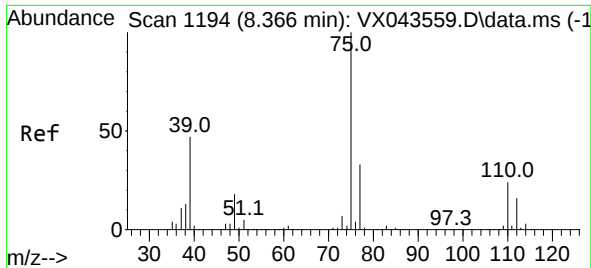
Tgt Ion: 43 Resp: 92680
Ion Ratio Lower Upper
43 100
58 8.9 31.7 47.5#



#53
t-1,3-Dichloropropene
Concen: 0.376 ug/l
RT: 8.957 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX043628.D
Acq: 30 Oct 2024 16:44

Tgt Ion: 75 Resp: 942
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#

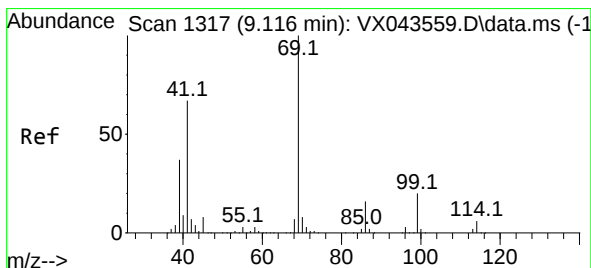
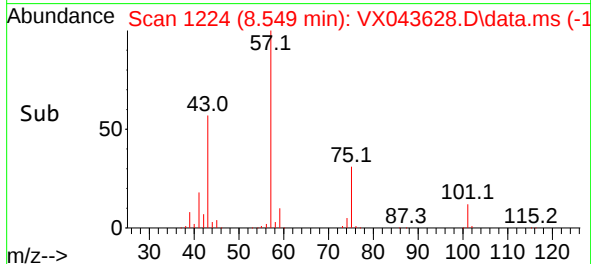
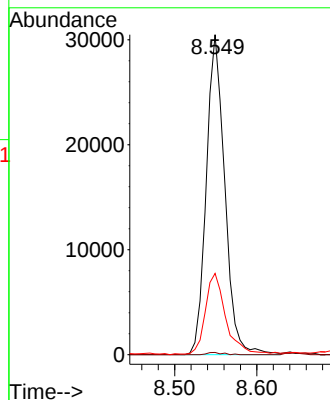
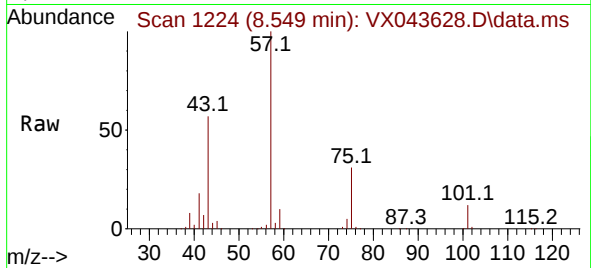




#54
 cis-1,3-Dichloropropene
 Concen: 17.854 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043628.D
 Acq: 30 Oct 2024 16:44

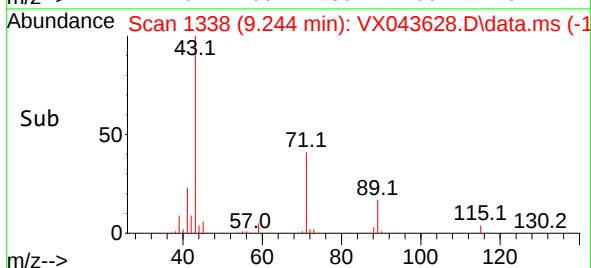
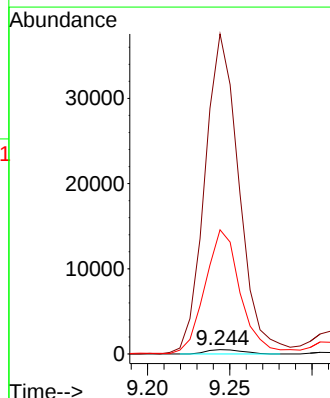
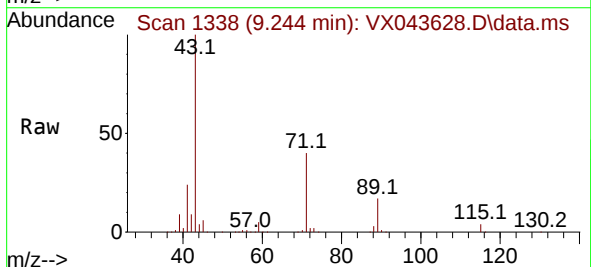
Instrument :
 MSVOA_X
 ClientSampleId :
 PB164501ZHE#06

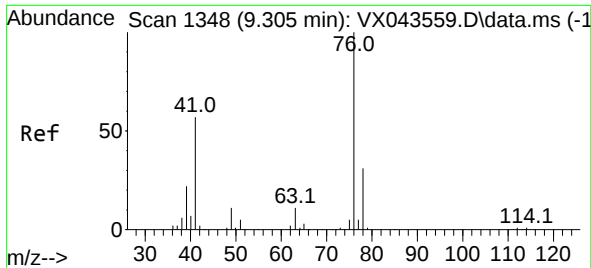
Tgt Ion: 75 Resp: 47618
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.8 37.2#
 39 25.2 37.7 56.5#



#56
 Ethyl methacrylate
 Concen: 0.269 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX043628.D
 Acq: 30 Oct 2024 16:44

Tgt Ion: 69 Resp: 774
 Ion Ratio Lower Upper
 69 100
 41 7063.6 53.8 80.8#
 39 2808.8 29.9 44.9#





#57

1,3-Dichloropropane

Concen: 2.126 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX043628.D

Acq: 30 Oct 2024 16:44

Instrument :

MSVOA_X

ClientSampleId :

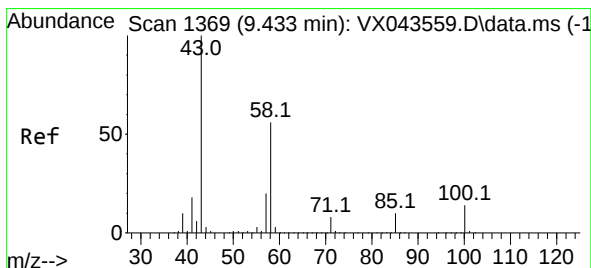
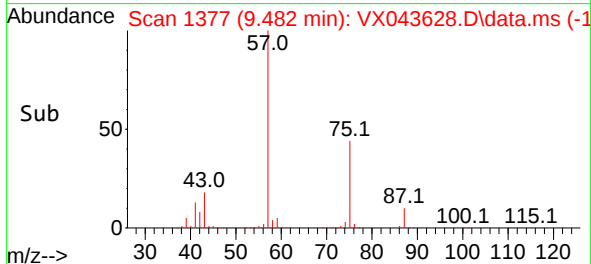
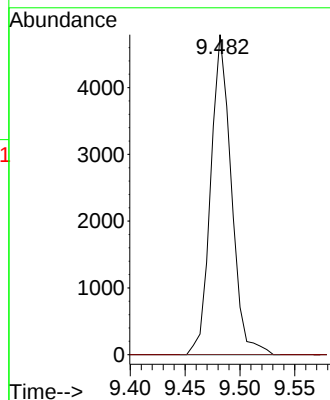
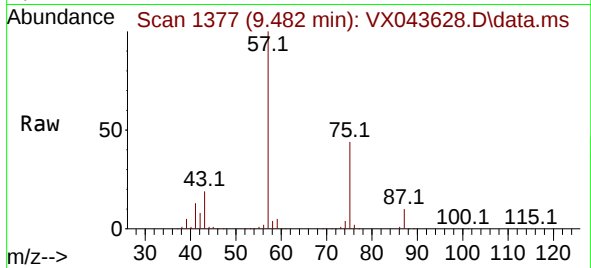
PB164501ZHE#06

Tgt Ion: 76 Resp: 6255

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 38.810 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX043628.D

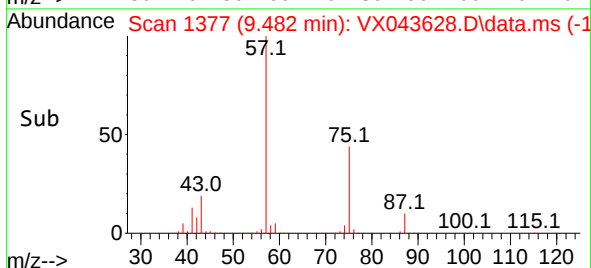
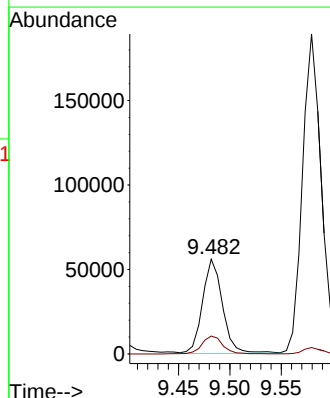
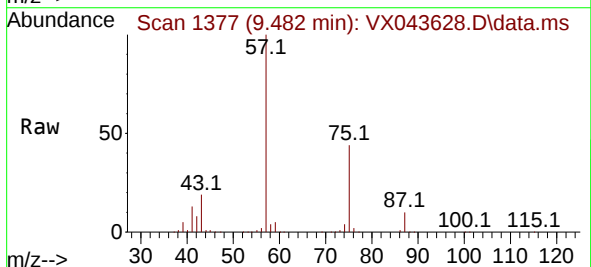
Acq: 30 Oct 2024 16:44

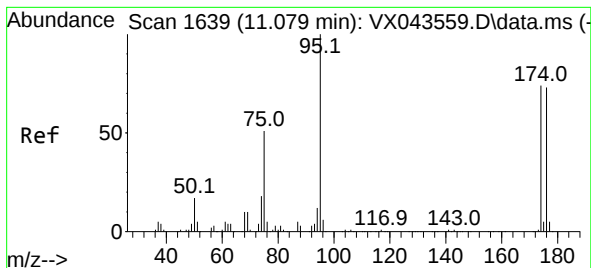
Tgt Ion: 43 Resp: 75764

Ion Ratio Lower Upper

43 100

58 20.2 27.5 82.5#

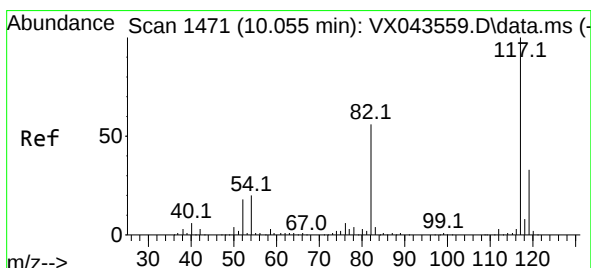
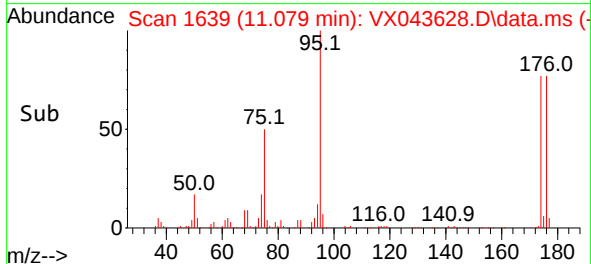
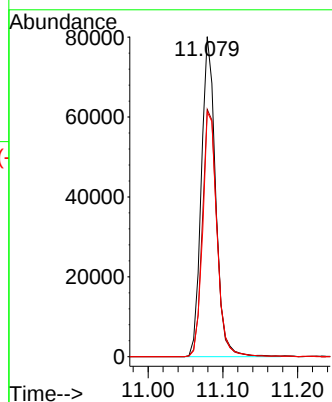
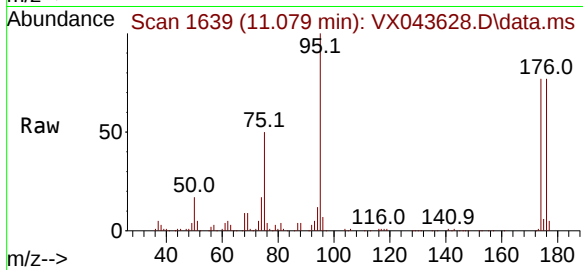




#62
4-Bromofluorobenzene
Concen: 46.869 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043628.D
Acq: 30 Oct 2024 16:44

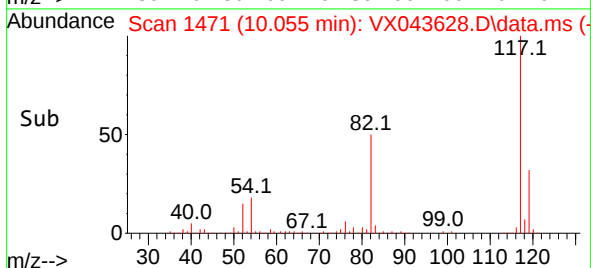
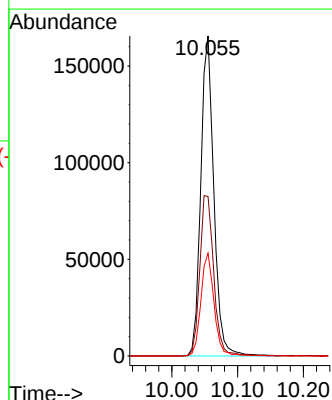
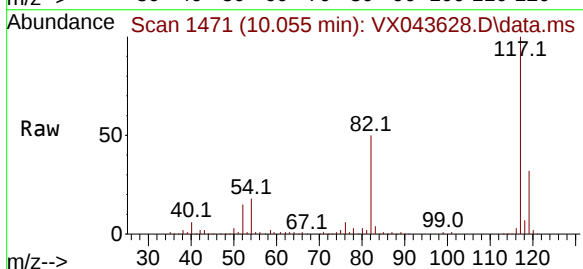
Instrument :
MSVOA_X
ClientSampleId :
PB164501ZHE#06

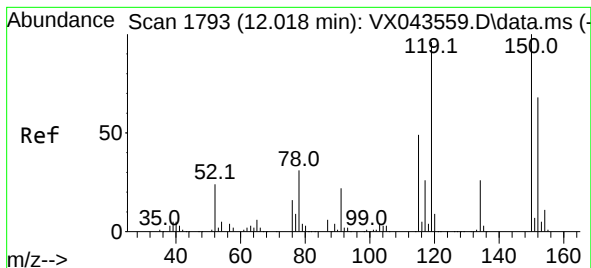
Tgt Ion: 95 Resp: 106496
Ion Ratio Lower Upper
95 100
174 78.4 0.0 146.6
176 76.5 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043628.D
Acq: 30 Oct 2024 16:44

Tgt Ion: 117 Resp: 228877
Ion Ratio Lower Upper
117 100
82 49.9 42.1 63.1
119 32.1 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: VX043628.D

Acq: 30 Oct 2024 16:44

Instrument :

MSVOA_X

ClientSampleId :

PB164501ZHE#06

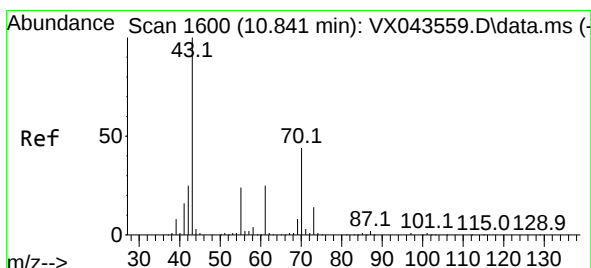
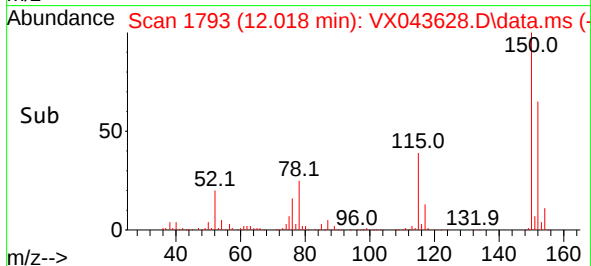
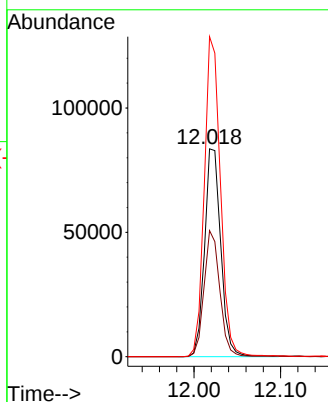
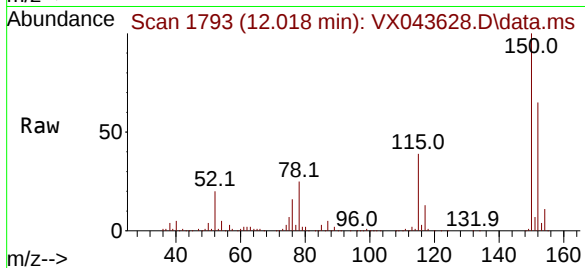
Tgt Ion:152 Resp: 108679

Ion Ratio Lower Upper

152 100

115 59.0 42.9 128.7

150 153.4 0.0 343.6



#74

N-ethyl acetate

Concen: 0.284 ug/l

RT: 10.817 min Scan# 1596

Delta R.T. -0.024 min

Lab File: VX043628.D

Acq: 30 Oct 2024 16:44

Tgt Ion: 43 Resp: 1066

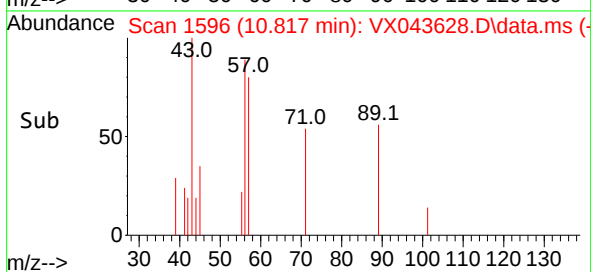
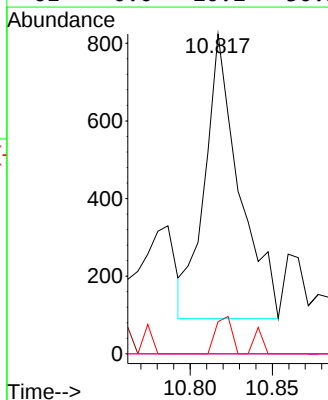
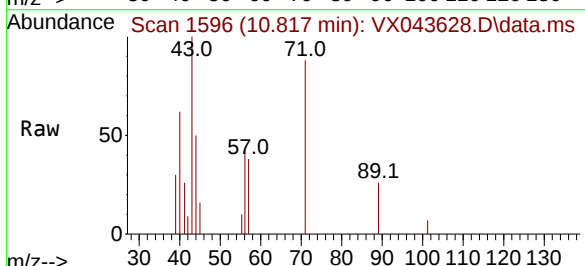
Ion Ratio Lower Upper

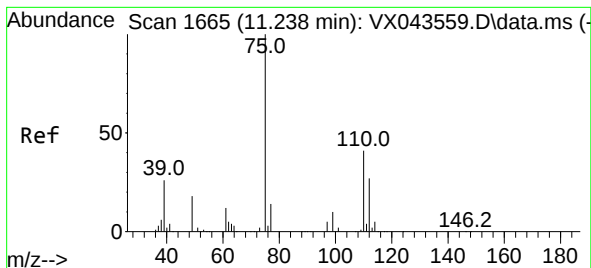
43 100

70 0.0 34.6 52.0#

55 6.1 19.6 29.4#

61 0.0 20.2 30.2#





#76

1,2,3-Trichloropropane

Concen: 22.338 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043628.D

Acq: 30 Oct 2024 16:44

Instrument :

MSVOA_X

ClientSampleId :

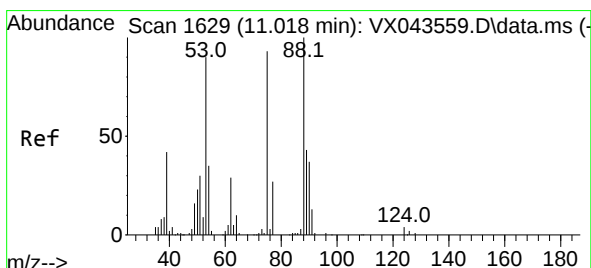
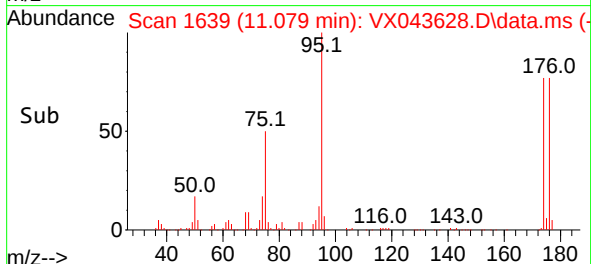
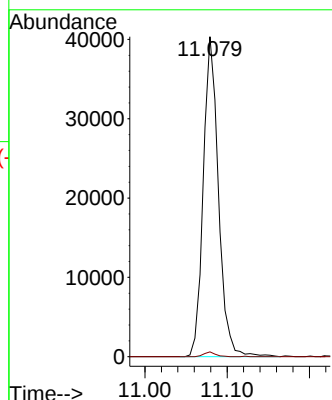
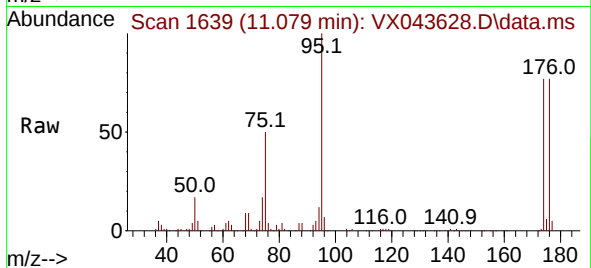
PB164501ZHE#06

Tgt Ion: 75 Resp: 51907

Ion Ratio Lower Upper

75 100

77 1.2 22.4 67.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.453 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX043628.D

Acq: 30 Oct 2024 16:44

Tgt Ion: 75 Resp: 51907

Ion Ratio Lower Upper

75 100

53 0.0 84.6 126.8#

89 0.1 38.6 58.0#

