

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
 Data File : VX043624.D
 Acq On : 30 Oct 2024 15:11
 Operator : JC/MD
 Sample : PB164501ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 31 22:59:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

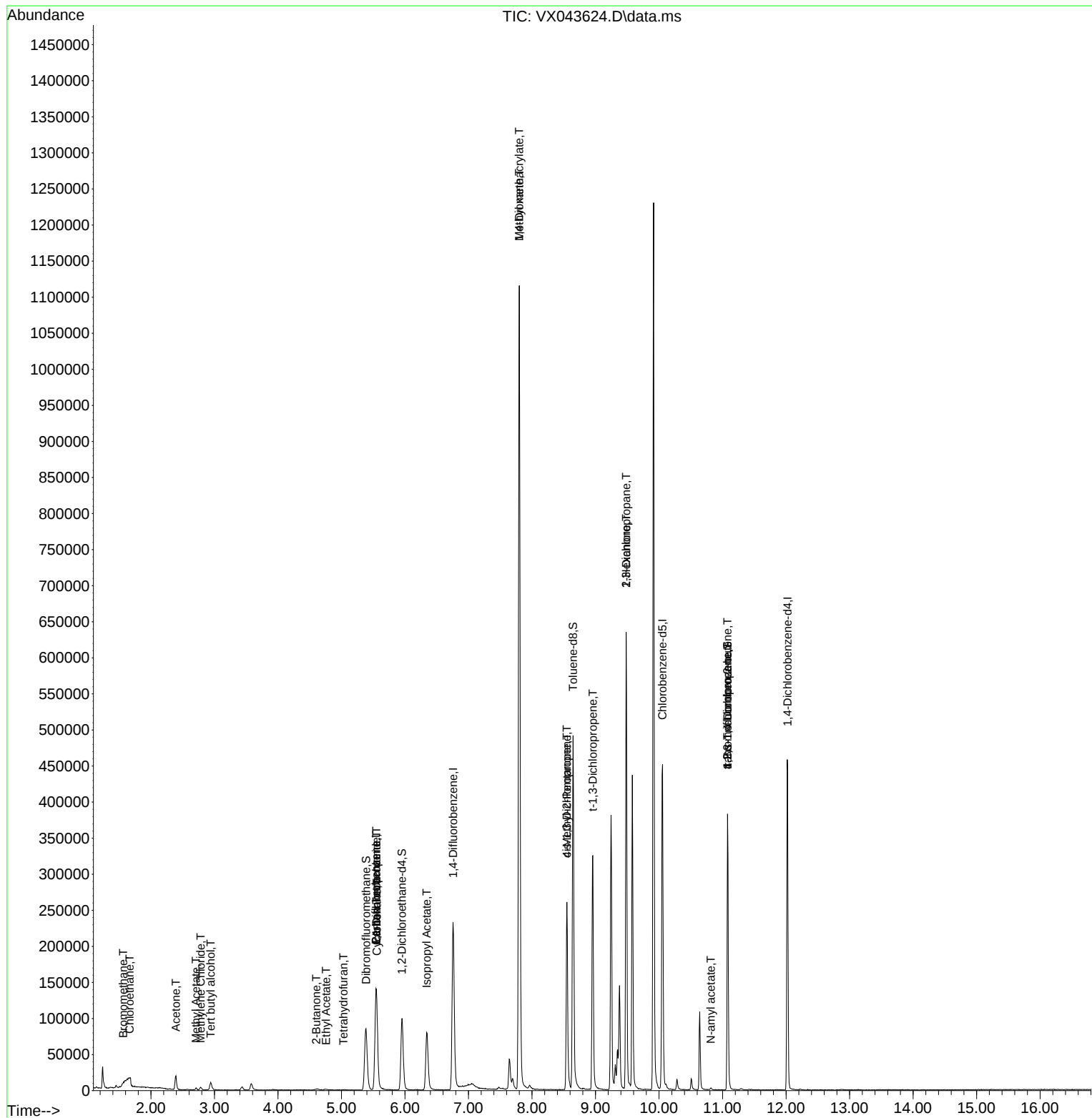
Internal Standards						
1) Pentafluorobenzene	5.544	168	141057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	258960	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	222710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93181	41.429	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	82.860%		
35) Dibromofluoromethane	5.385	113	78447	44.674	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.340%		
50) Toluene-d8	8.647	98	299646	49.295	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.600%		
62) 4-Bromofluorobenzene	11.079	95	105439	46.811	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.620%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.563	94	301	0.413	ug/l #	46
6) Chloroethane	1.666	64	758	1.202	ug/l #	43
11) Tert butyl alcohol	2.941	59	6332	15.083	ug/l #	100
16) Acetone	2.392	43	21977	24.606	ug/l	98
18) Methyl Acetate	2.709	43	2554	0.978	ug/l #	82
20) Methylene Chloride	2.782	84	1916	0.995	ug/l	90
25) 2-Butanone	4.605	43	1835	1.408	ug/l #	79
29) Tetrahydrofuran	5.032	42	274	0.324	ug/l #	48
31) Cyclohexane	5.556	56	2469	1.040	ug/l #	34
36) 1,1-Dichloropropene	5.550	75	10487	5.036	ug/l #	50
37) Ethyl Acetate	4.757	43	1543	0.610	ug/l #	78
38) Carbon Tetrachloride	5.550	117	14114	6.135	ug/l #	16
43) Isopropyl Acetate	6.342	43	115708	27.678	ug/l	98
48) Methyl methacrylate	7.799	41	92744	46.792	ug/l #	41
49) 1,4-Dioxane	7.799	88	97	2.382	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	91124	35.763	ug/l #	49
53) t-1,3-Dichloropropene	8.958	75	852	0.343	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	46562	17.611	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	6180	2.119	ug/l #	42
59) 2-Hexanone	9.482	43	72526	37.477	ug/l #	53
74) N-amyl acetate	10.817	43	846	0.239	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	51373	23.385	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	51373	64.334	ug/l #	7

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

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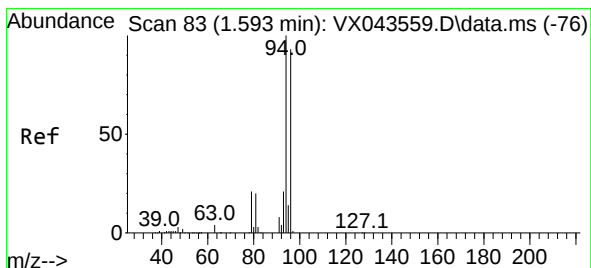
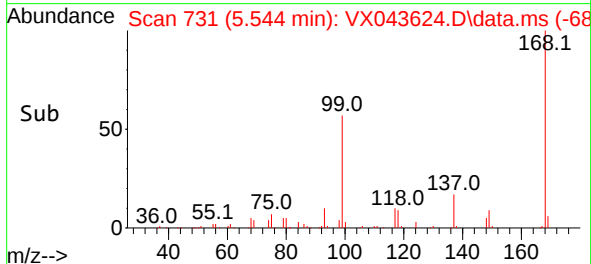
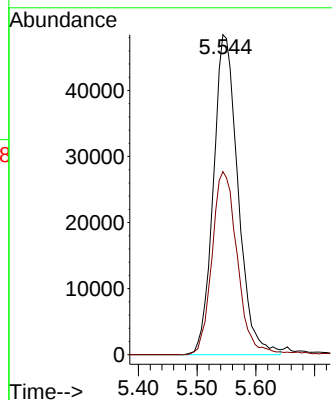
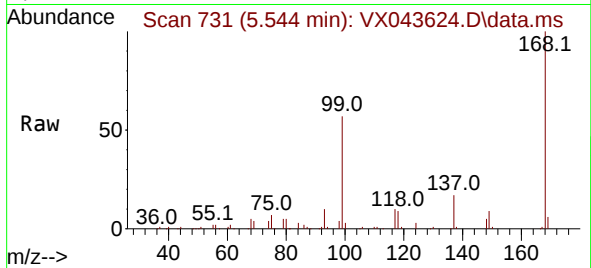




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043624.D
Acq: 30 Oct 2024 15:11

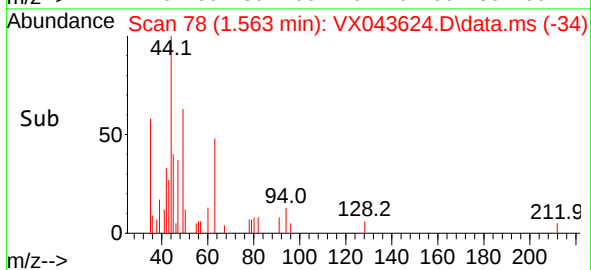
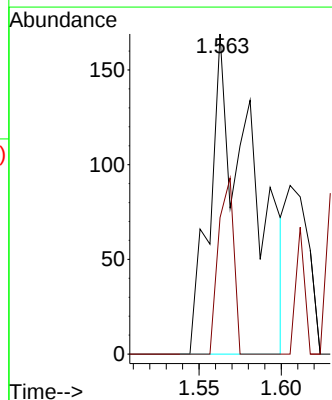
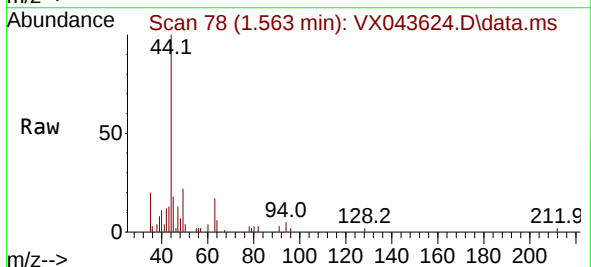
Instrument :
MSVOA_X
ClientSampleId :

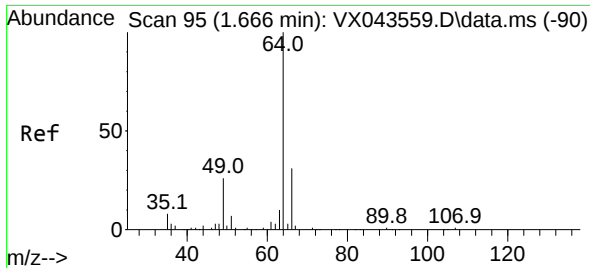
Tgt Ion:168 Resp: 141057
Ion Ratio Lower Upper
168 100
99 57.2 52.6 78.8



#5
Bromomethane
Concen: 0.413 ug/l
RT: 1.563 min Scan# 78
Delta R.T. -0.030 min
Lab File: VX043624.D
Acq: 30 Oct 2024 15:11

Tgt Ion: 94 Resp: 301
Ion Ratio Lower Upper
94 100
96 42.6 75.9 113.9#

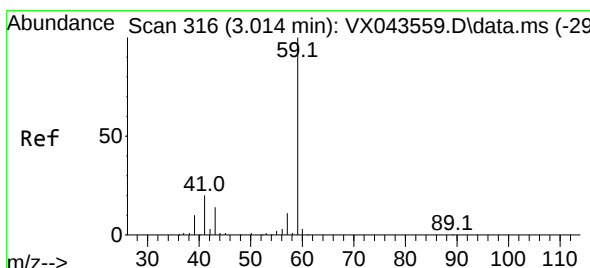
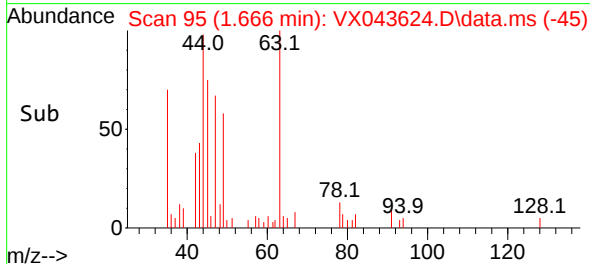
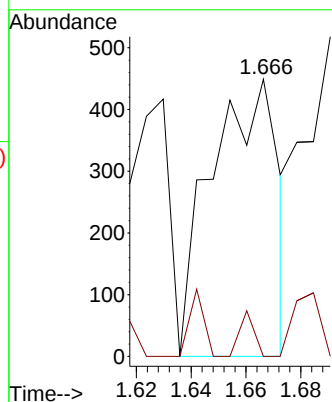
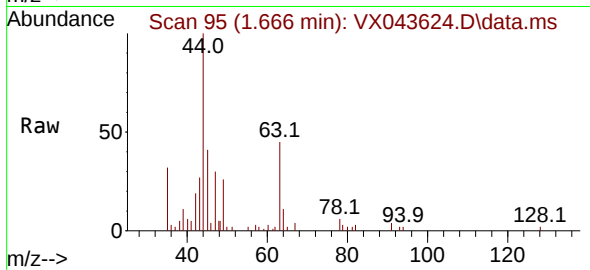




#6
Chloroethane
Concen: 1.202 ug/l
RT: 1.666 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX043624.D
Acq: 30 Oct 2024 15:11

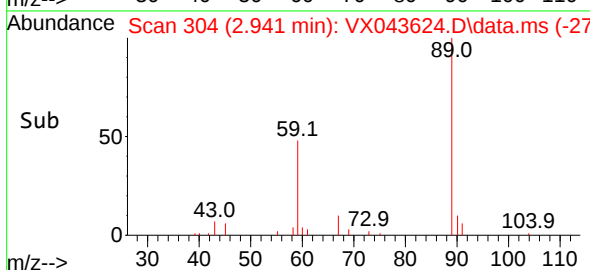
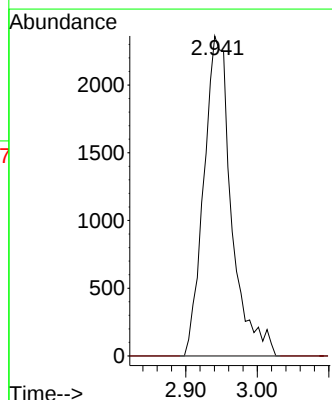
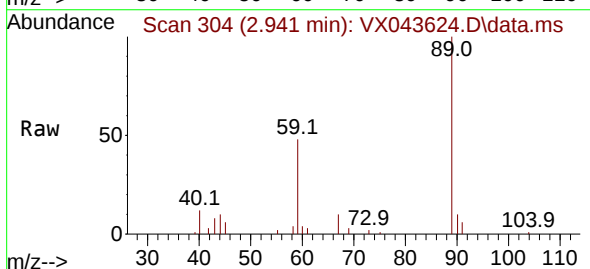
Instrument :
MSVOA_X
ClientSampleId :

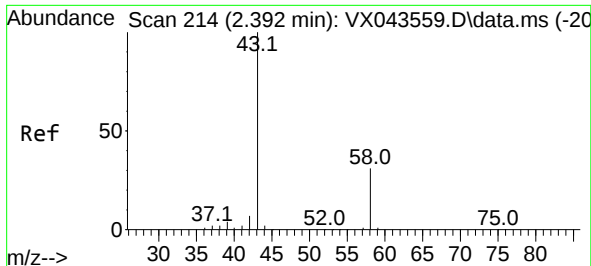
Tgt Ion: 64 Resp: 758
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 15.083 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.109 min
Lab File: VX043624.D
Acq: 30 Oct 2024 15:11

Tgt Ion: 59 Resp: 6332
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

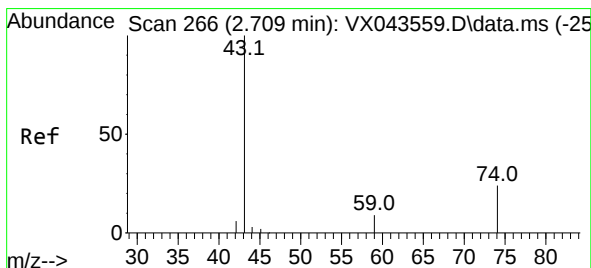
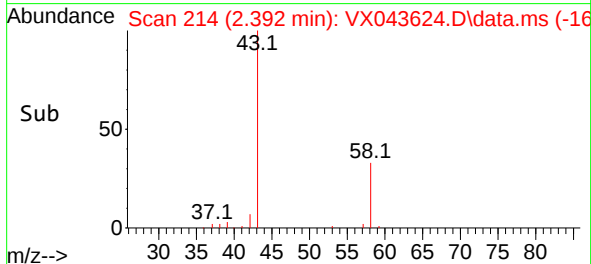
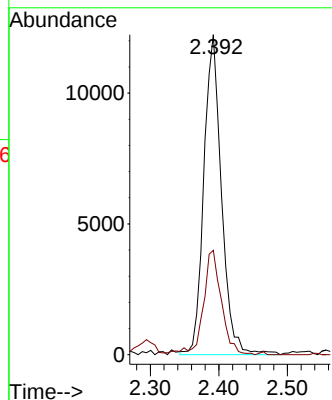
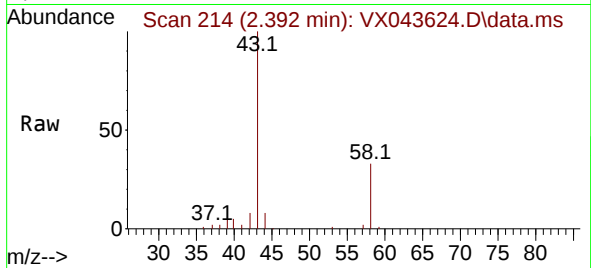




#16
Acetone
Concen: 24.606 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043624.D
Acq: 30 Oct 2024 15:11

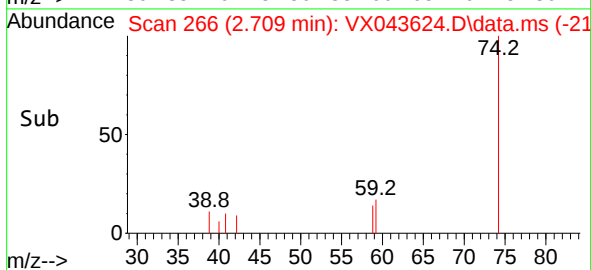
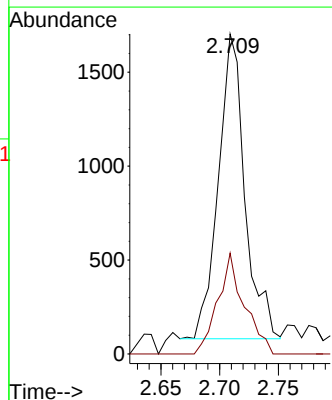
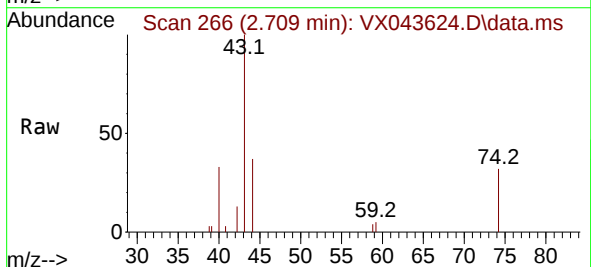
Instrument :
MSVOA_X
ClientSampleId :

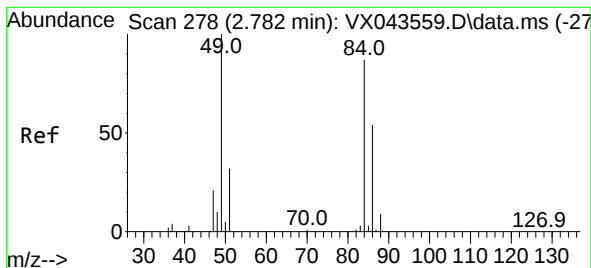
Tgt Ion: 43 Resp: 21977
Ion Ratio Lower Upper
43 100
58 32.6 25.1 37.7



#18
Methyl Acetate
Concen: 0.978 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043624.D
Acq: 30 Oct 2024 15:11

Tgt Ion: 43 Resp: 2554
Ion Ratio Lower Upper
43 100
74 32.9 19.1 28.7#





#20

Methylene Chloride

Concen: 0.995 ug/l

RT: 2.782 min Scan# 21

Delta R.T. 0.000 min

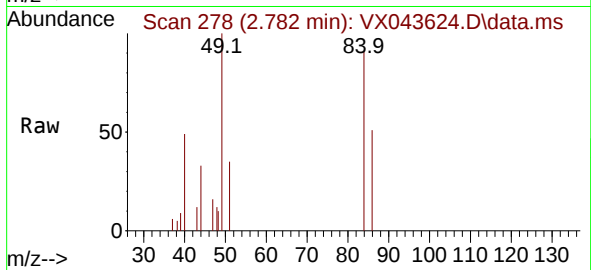
Lab File: VX043624.D

Acq: 30 Oct 2024 15:11

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 1916

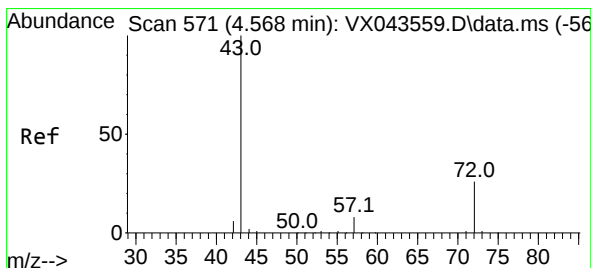
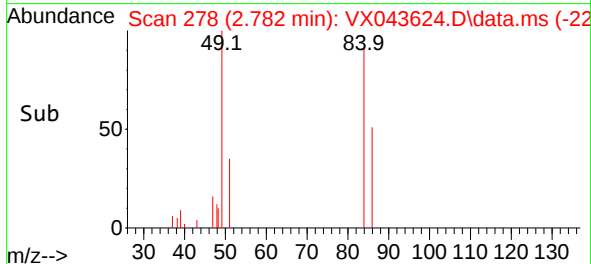
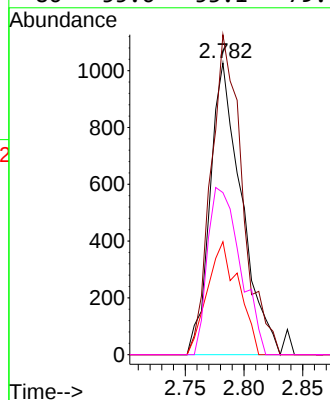
Ion Ratio Lower Upper

84 100

49 109.7 97.0 145.6

51 38.8 29.8 44.8

86 55.6 53.1 79.7



#25

2-Butanone

Concen: 1.408 ug/l

RT: 4.605 min Scan# 577

Delta R.T. 0.037 min

Lab File: VX043624.D

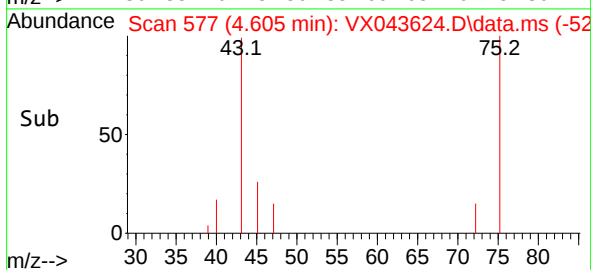
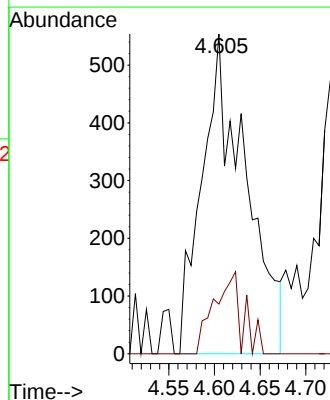
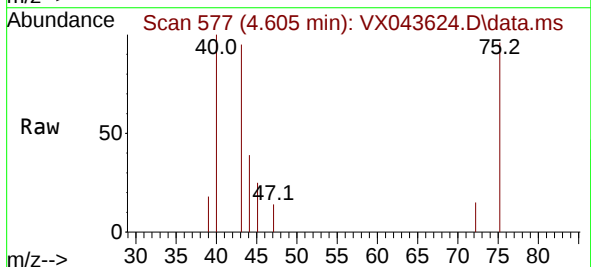
Acq: 30 Oct 2024 15:11

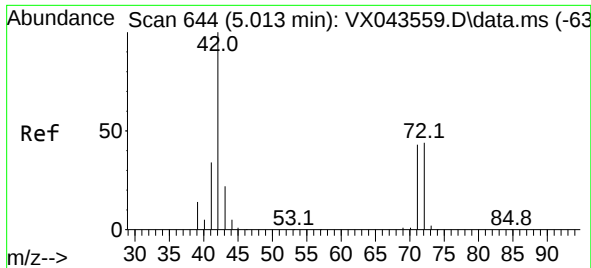
Tgt Ion: 43 Resp: 1835

Ion Ratio Lower Upper

43 100

72 15.5 21.1 31.7#





#29

Tetrahydrofuran

Concen: 0.324 ug/l

RT: 5.032 min Scan# 644

Delta R.T. 0.018 min

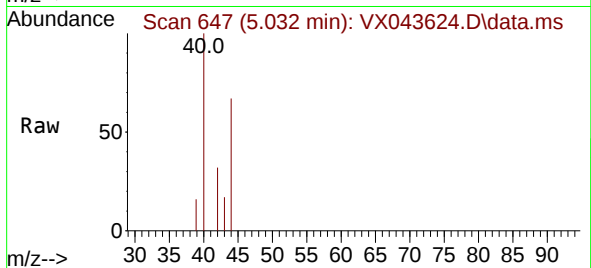
Lab File: VX043624.D

Acq: 30 Oct 2024 15:11

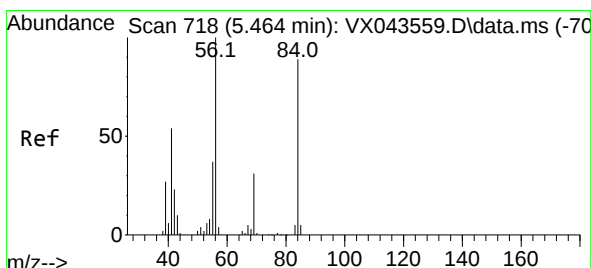
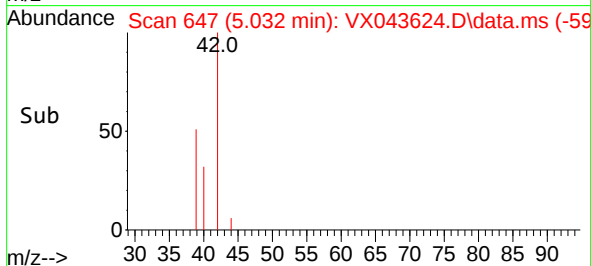
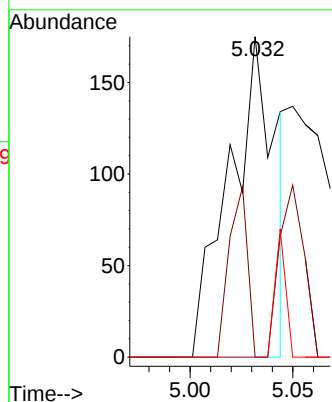
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	274
Ion Ratio	100	Lower	Upper
42	100		
72	21.2	36.6	55.0#
71	0.0	34.2	51.4#



#31

Cyclohexane

Concen: 1.040 ug/l

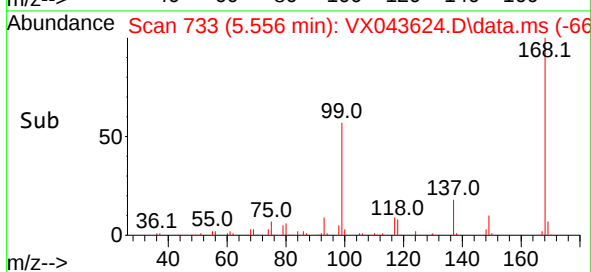
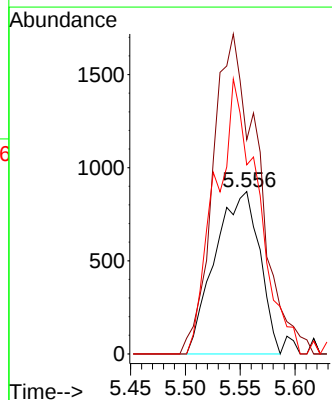
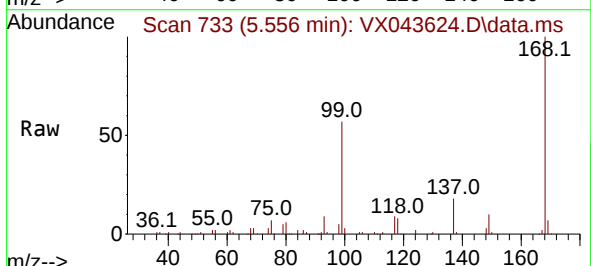
RT: 5.556 min Scan# 733

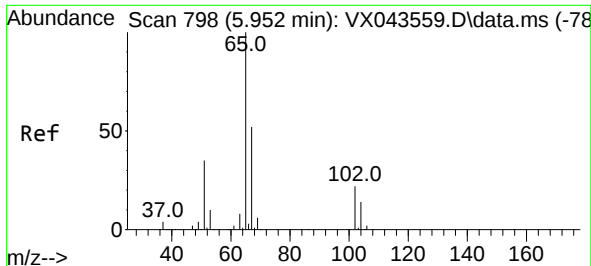
Delta R.T. 0.098 min

Lab File: VX043624.D

Acq: 30 Oct 2024 15:11

Tgt Ion:	56	Resp:	2469
Ion Ratio	100	Lower	Upper
56	100		
69	131.9	24.9	37.3#
84	116.4	73.3	109.9#





#33

1,2-Dichloroethane-d4

Concen: 41.429 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043624.D

Acq: 30 Oct 2024 15:11

Instrument :

MSVOA_X

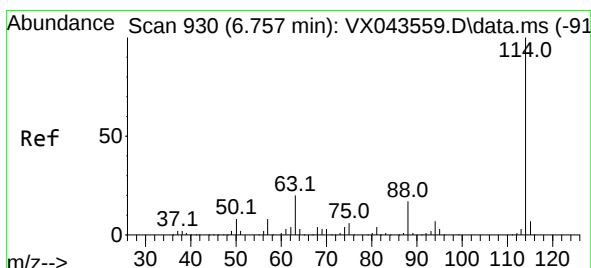
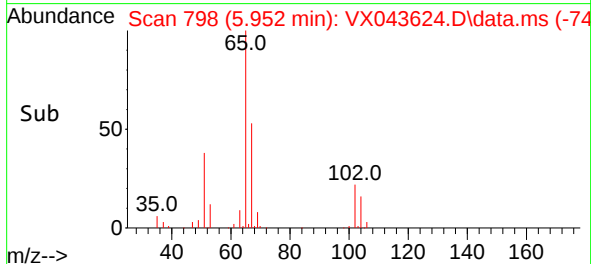
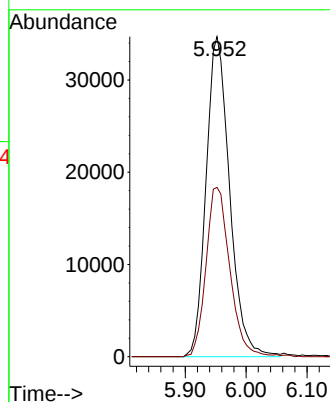
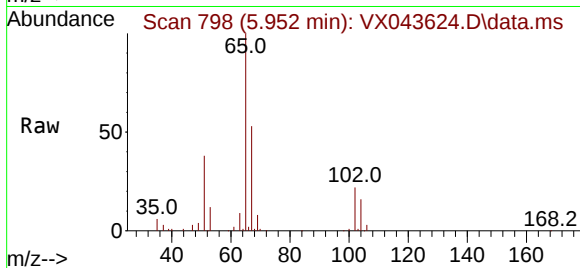
ClientSampleId :

Tgt Ion: 65 Resp: 93181

Ion Ratio Lower Upper

65 100

67 53.8 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: VX043624.D

Acq: 30 Oct 2024 15:11

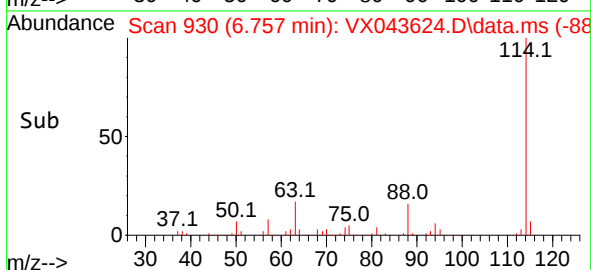
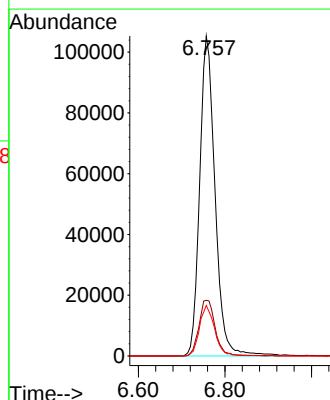
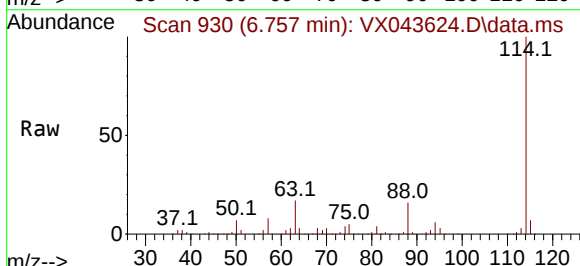
Tgt Ion: 114 Resp: 258960

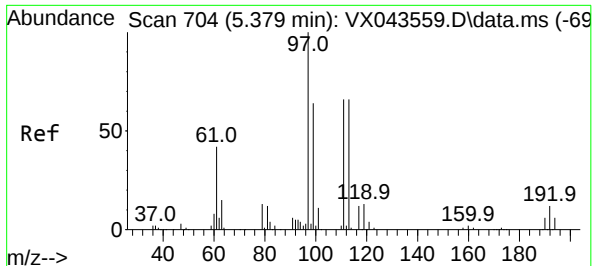
Ion Ratio Lower Upper

114 100

63 17.4 0.0 41.2

88 15.8 0.0 34.0





#35

Dibromofluoromethane

Concen: 44.674 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.000 min

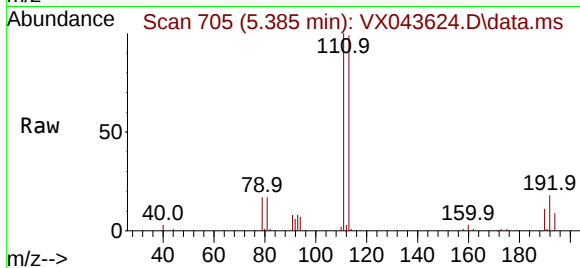
Lab File: VX043624.D

Acq: 30 Oct 2024 15:11

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MSVOA_X

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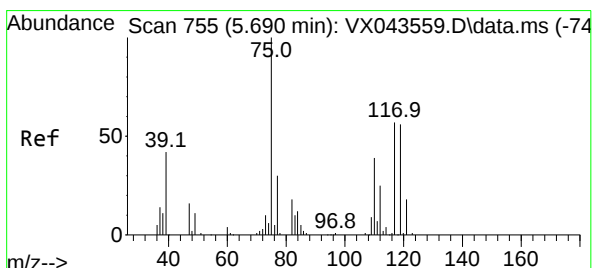
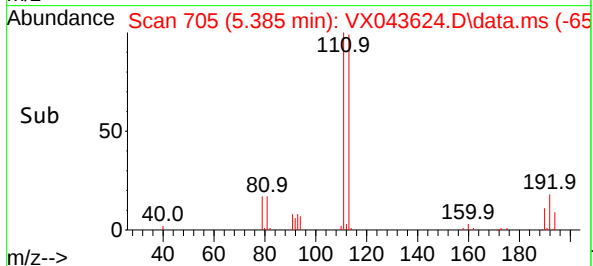
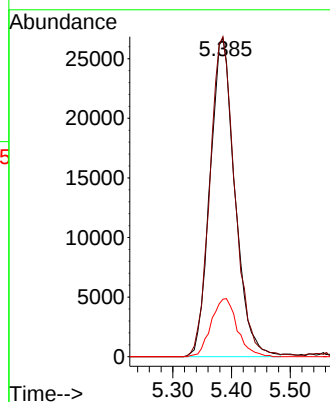
Tgt Ion:113 Resp: 78447

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

192 19.1 14.1 21.1



#36

1,1-Dichloropropene

Concen: 5.036 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX043624.D

Acq: 30 Oct 2024 15:11

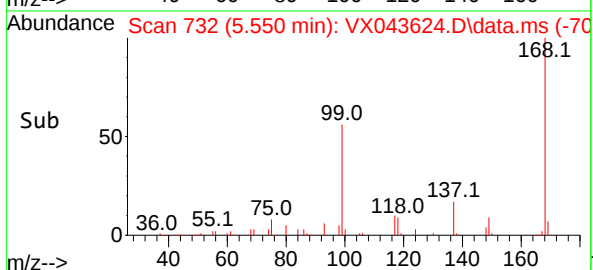
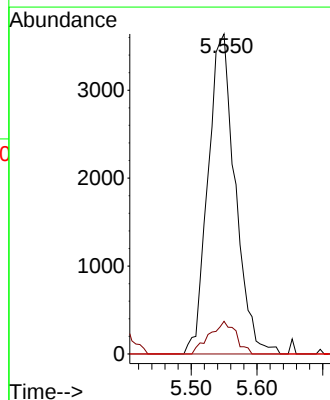
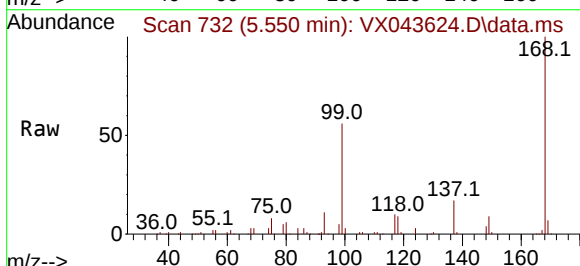
Tgt Ion: 75 Resp: 10487

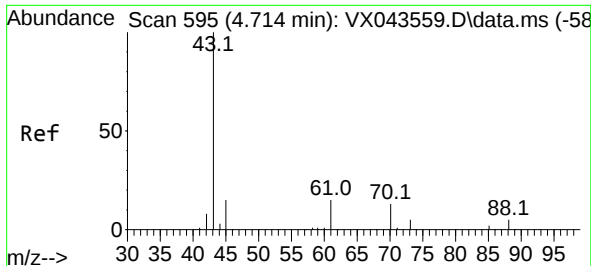
Ion Ratio Lower Upper

75 100

110 9.9 17.9 53.7#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.610 ug/l

RT: 4.757 min Scan# 602

Delta R.T. 0.037 min

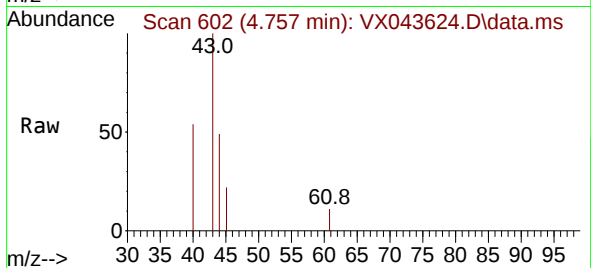
Lab File: VX043624.D

Acq: 30 Oct 2024 15:11

Instrument :

MSVOA_X

ClientSampleId :



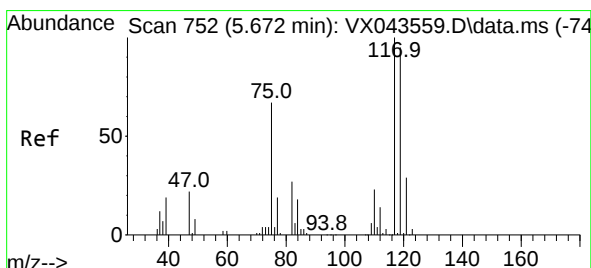
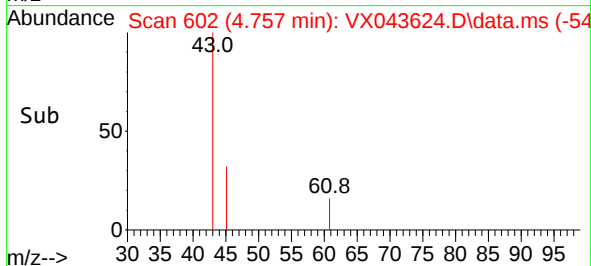
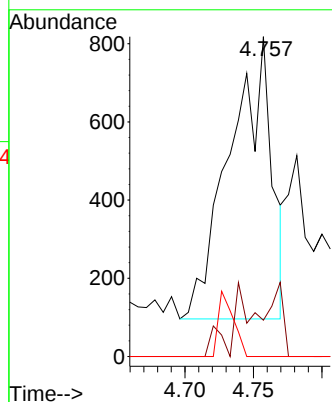
Tgt Ion: 43 Resp: 1543

Ion Ratio Lower Upper

43 100

61 7.6 11.0 16.6#

70 0.0 8.9 13.3#



#38

Carbon Tetrachloride

Concen: 6.135 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX043624.D

Acq: 30 Oct 2024 15:11

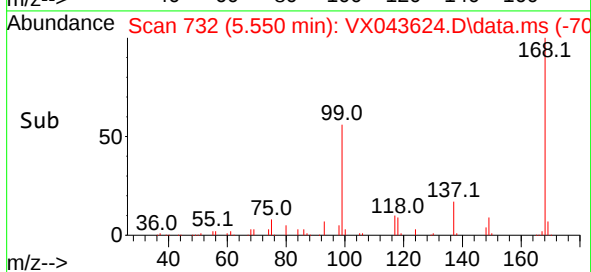
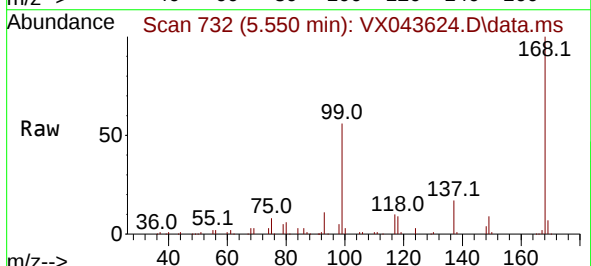
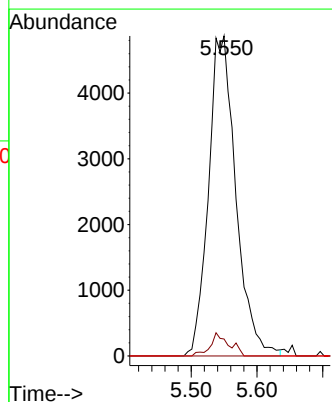
Tgt Ion: 117 Resp: 14114

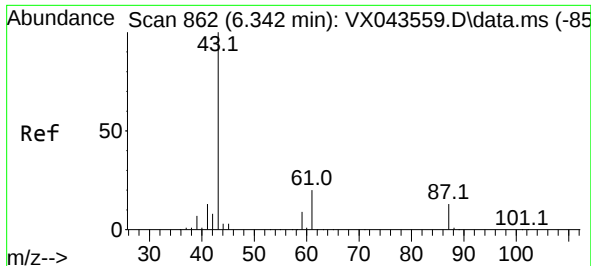
Ion Ratio Lower Upper

117 100

119 5.3 77.0 115.6#

121 0.0 24.7 37.1#

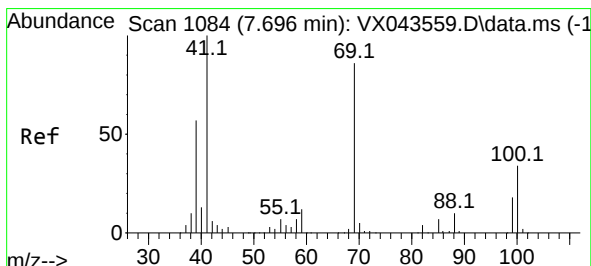
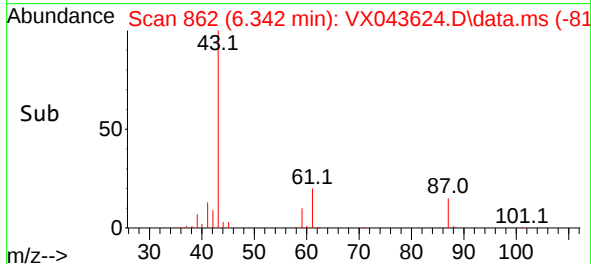
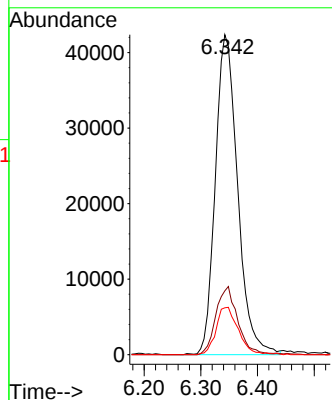
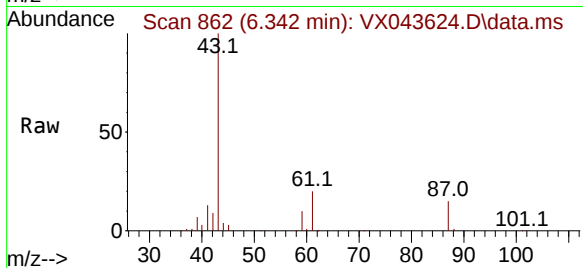




#43
Isopropyl Acetate
Concen: 27.678 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX043624.D
Acq: 30 Oct 2024 15:11

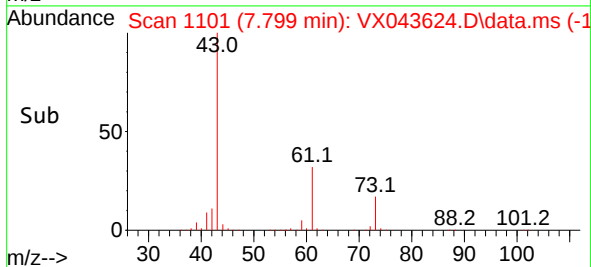
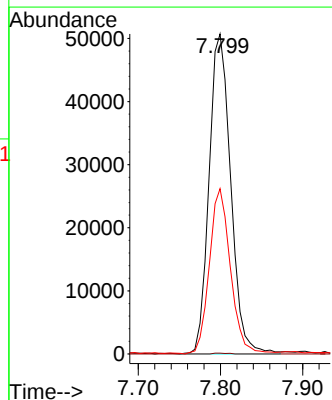
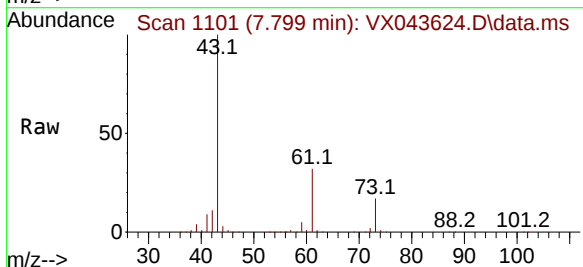
Instrument :
MSVOA_X
ClientSampleId :

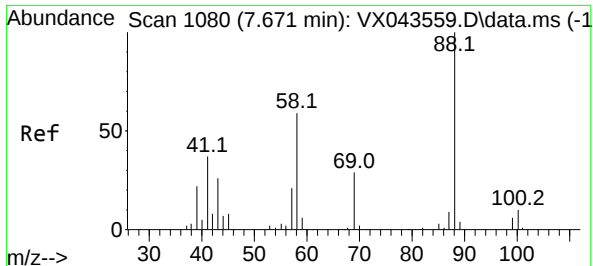
Tgt Ion: 43 Resp: 115708
Ion Ratio Lower Upper
43 100
61 21.1 16.2 24.4
87 14.8 11.0 16.6



#48
Methyl methacrylate
Concen: 46.792 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043624.D
Acq: 30 Oct 2024 15:11

Tgt Ion: 41 Resp: 92744
Ion Ratio Lower Upper
41 100
69 0.2 67.7 101.5#
39 50.4 46.3 69.5





#49

1,4-Dioxane

Concen: 2.382 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.128 min

Lab File: VX043624.D

Acq: 30 Oct 2024 15:11

Instrument :

MSVOA_X

ClientSampleId :

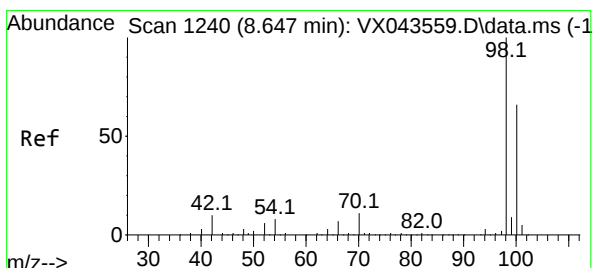
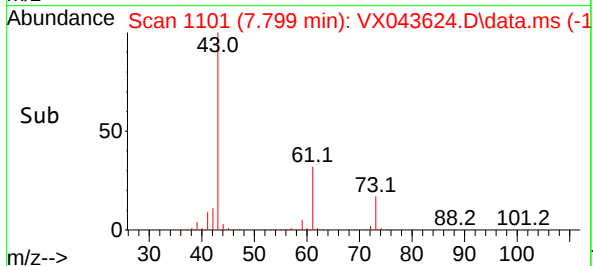
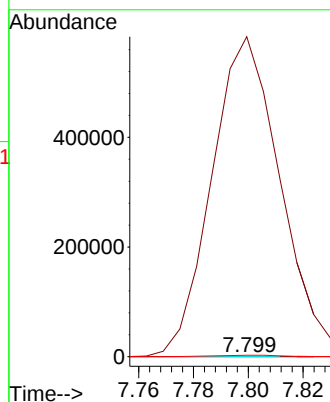
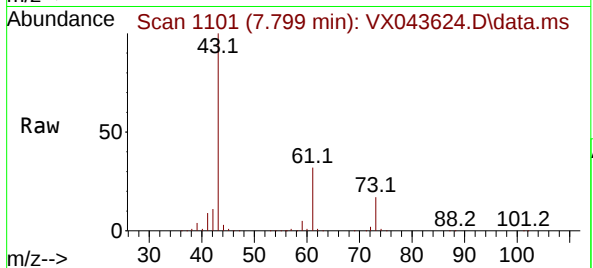
Tgt Ion: 88 Resp: 97

Ion Ratio Lower Upper

88 100

43 1068764.9 25.3 37.9#

58 5210.3 53.9 80.9#



#50

Toluene-d8

Concen: 49.295 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043624.D

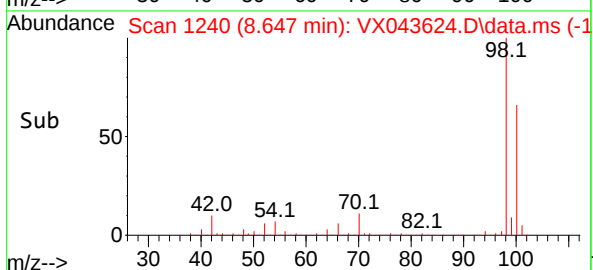
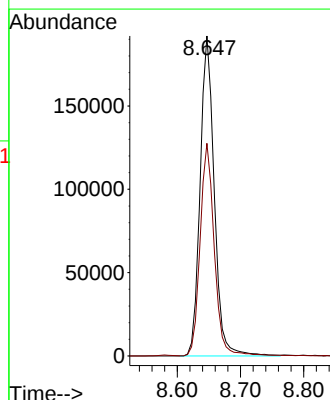
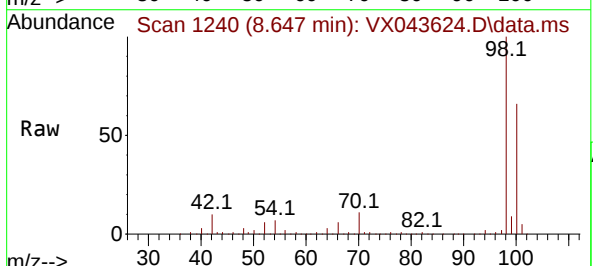
Acq: 30 Oct 2024 15:11

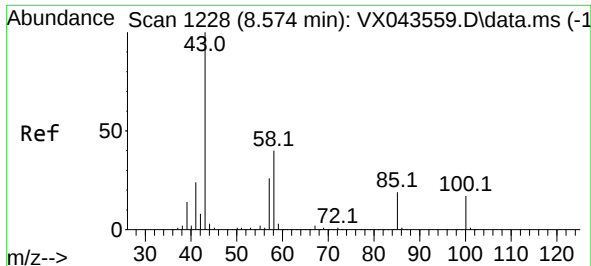
Tgt Ion: 98 Resp: 299646

Ion Ratio Lower Upper

98 100

100 66.3 53.4 80.2

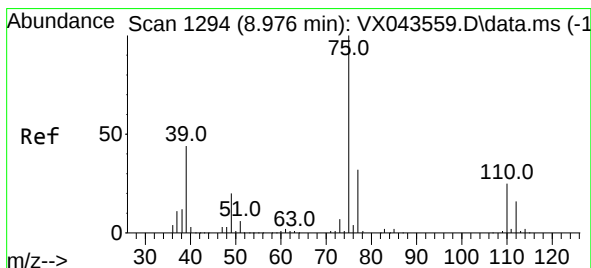
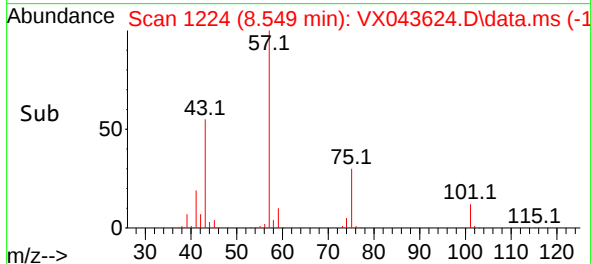
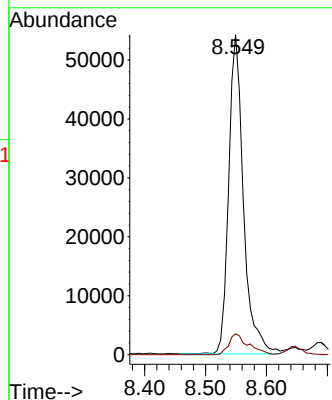
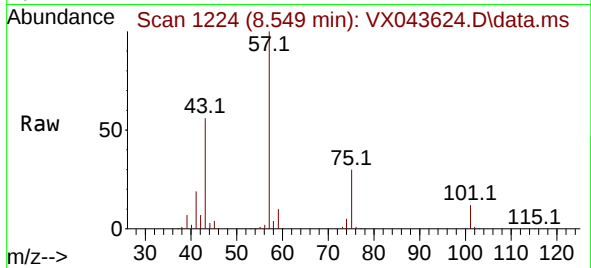




#51
4-Methyl-2-Pentanone
Concen: 35.763 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX043624.D
Acq: 30 Oct 2024 15:11

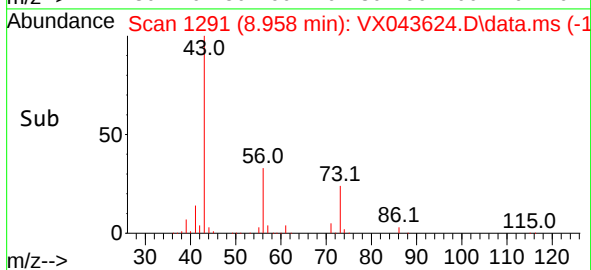
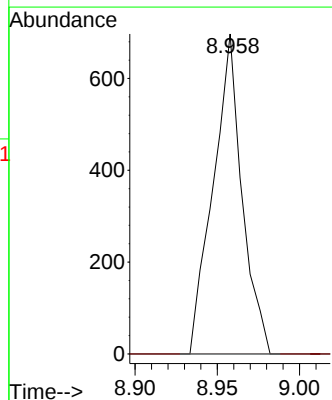
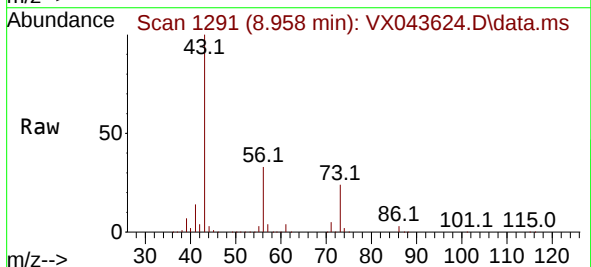
Instrument :
MSVOA_X
ClientSampleId :

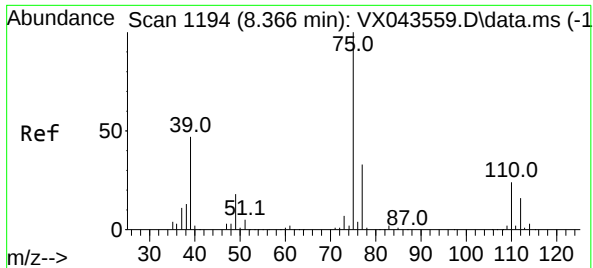
Tgt Ion: 43 Resp: 91124
Ion Ratio Lower Upper
43 100
58 8.5 31.7 47.5#



#53
t-1,3-Dichloropropene
Concen: 0.343 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX043624.D
Acq: 30 Oct 2024 15:11

Tgt Ion: 75 Resp: 852
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#

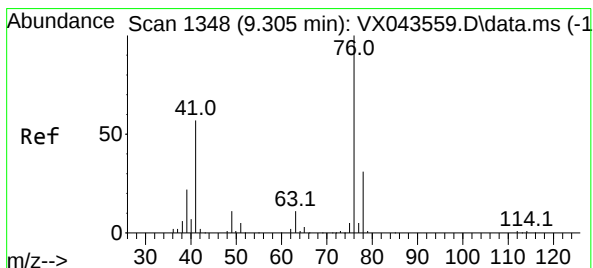
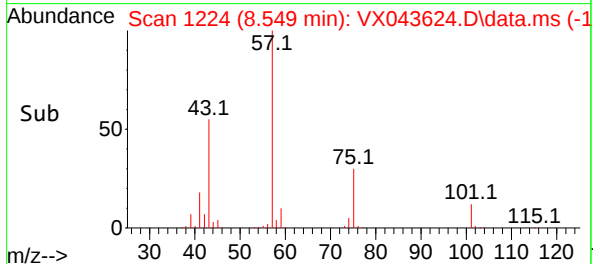
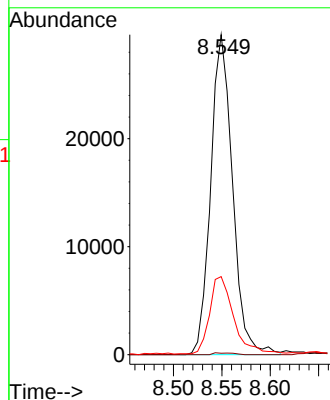
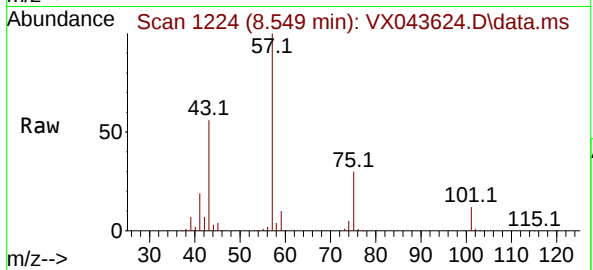




#54
 cis-1,3-Dichloropropene
 Concen: 17.611 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043624.D
 Acq: 30 Oct 2024 15:11

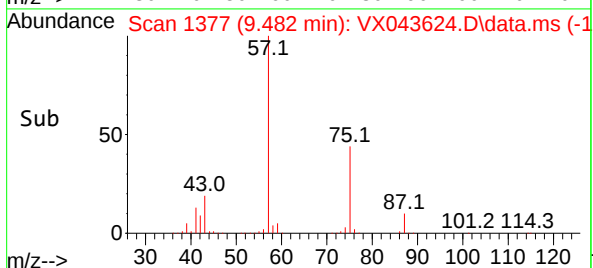
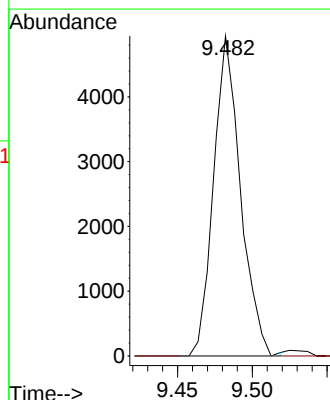
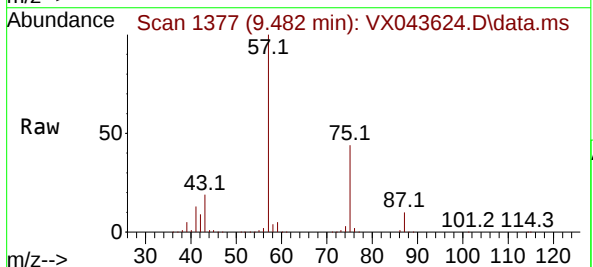
Instrument :
 MSVOA_X
 ClientSampleId :

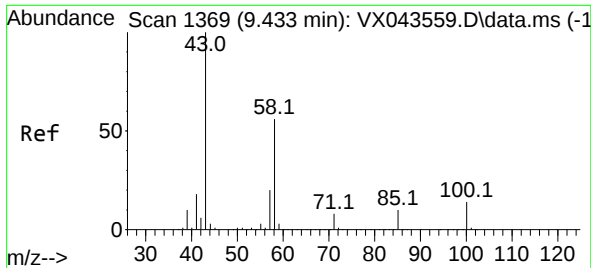
Tgt Ion: 75 Resp: 46562
 Ion Ratio Lower Upper
 75 100
 77 0.4 24.8 37.2#
 39 24.1 37.7 56.5#



#57
 1,3-Dichloropropane
 Concen: 2.119 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX043624.D
 Acq: 30 Oct 2024 15:11

Tgt Ion: 76 Resp: 6180
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

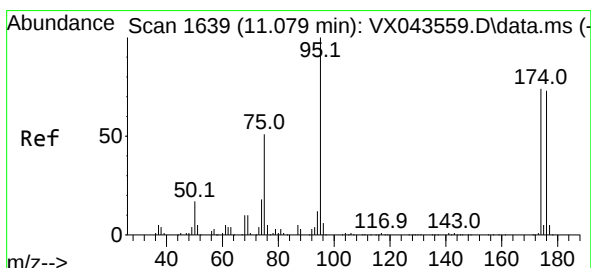
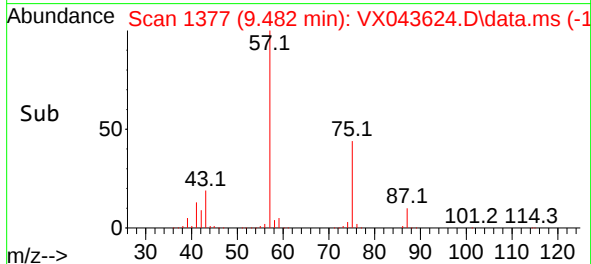
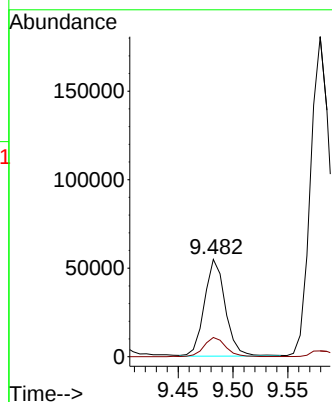
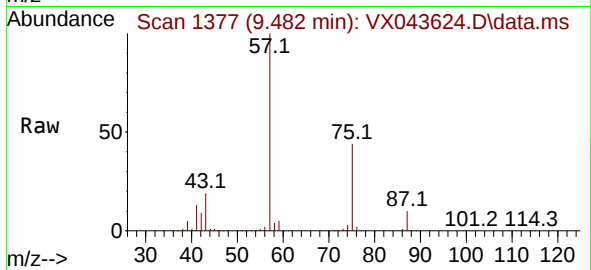




#59
2-Hexanone
Concen: 37.477 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX043624.D
Acq: 30 Oct 2024 15:11

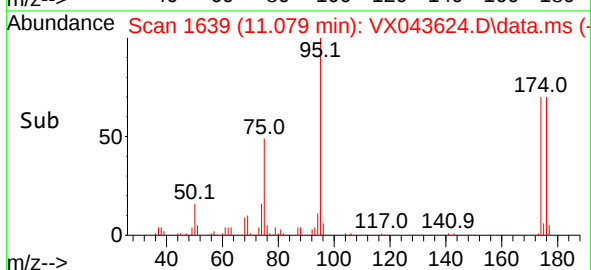
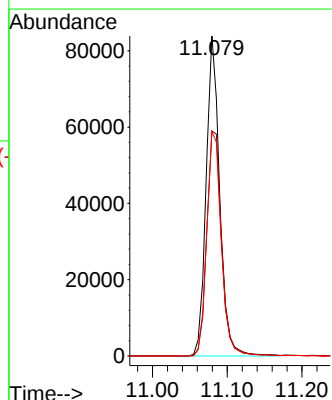
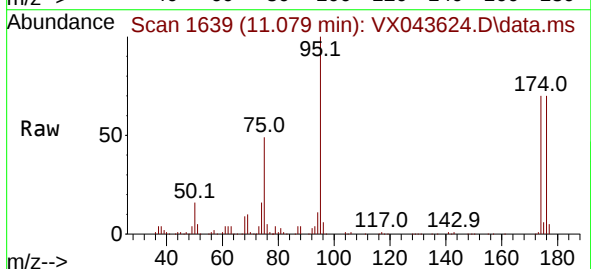
Instrument :
MSVOA_X
ClientSampleId :

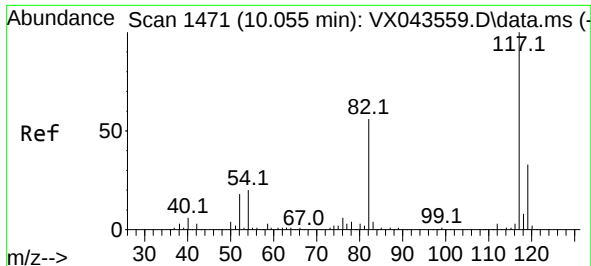
Tgt Ion: 43 Resp: 72526
Ion Ratio Lower Upper
43 100
58 21.0 27.5 82.5#



#62
4-Bromofluorobenzene
Concen: 46.811 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043624.D
Acq: 30 Oct 2024 15:11

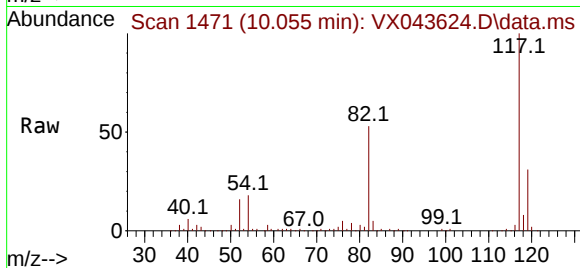
Tgt Ion: 95 Resp: 105439
Ion Ratio Lower Upper
95 100
174 77.8 0.0 146.6
176 75.2 0.0 139.6



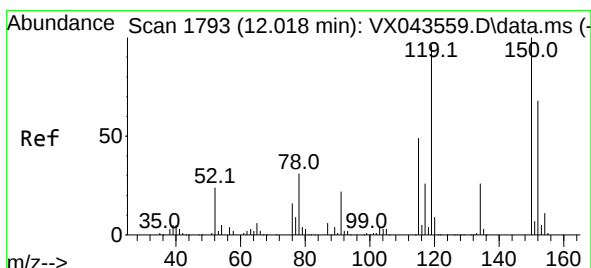
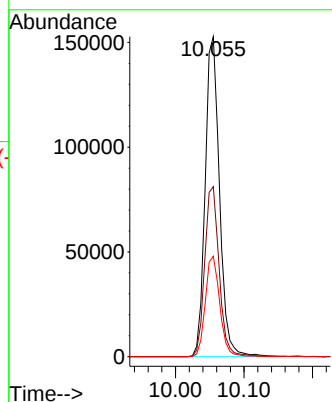
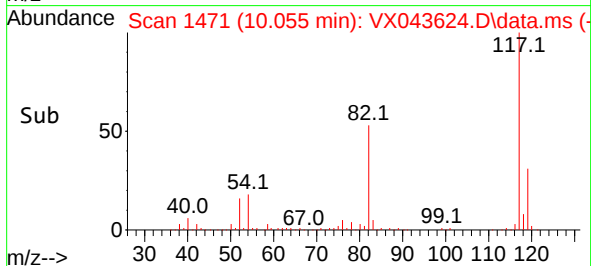


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043624.D
Acq: 30 Oct 2024 15:11

Instrument :
MSVOA_X
ClientSampleId :

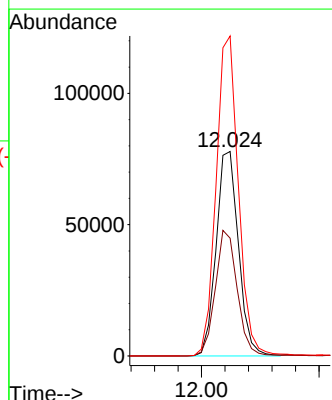
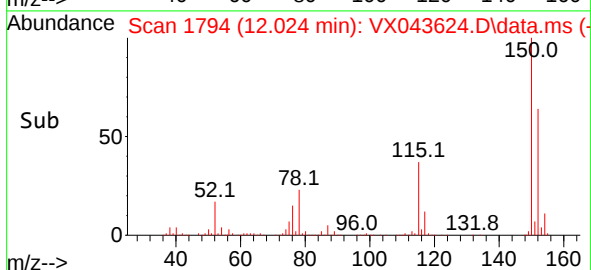
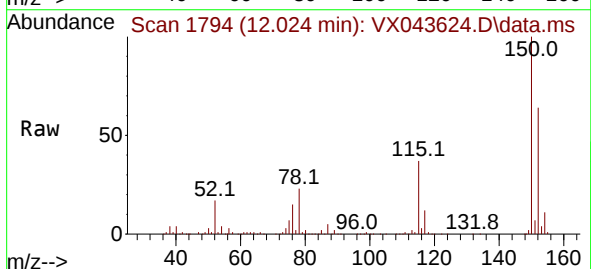


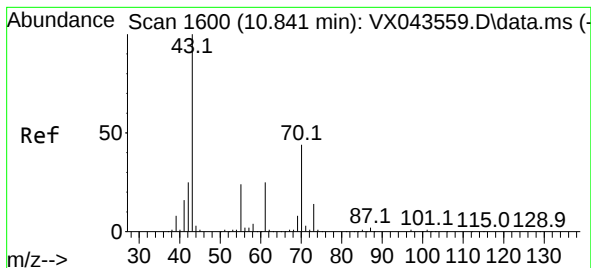
Tgt Ion:117 Resp: 222710
Ion Ratio Lower Upper
117 100
82 53.1 42.1 63.1
119 31.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043624.D
Acq: 30 Oct 2024 15:11

Tgt Ion:152 Resp: 102744
Ion Ratio Lower Upper
152 100
115 60.5 42.9 128.7
150 156.6 0.0 343.6





#74

N-amy1 acetate

Concen: 0.239 ug/l

RT: 10.817 min Scan# 1

Delta R.T. -0.024 min

Lab File: VX043624.D

Acq: 30 Oct 2024 15:11

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 43 Resp: 846

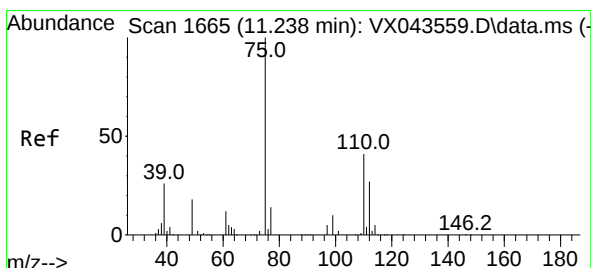
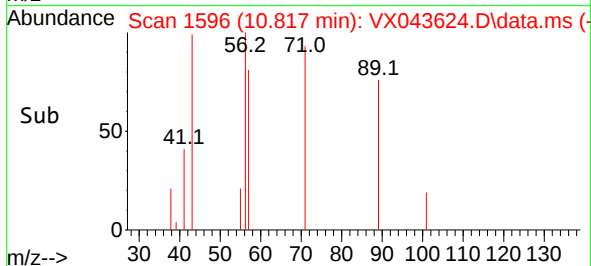
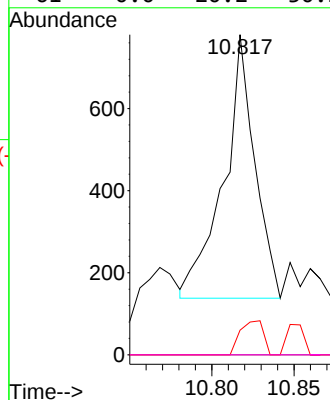
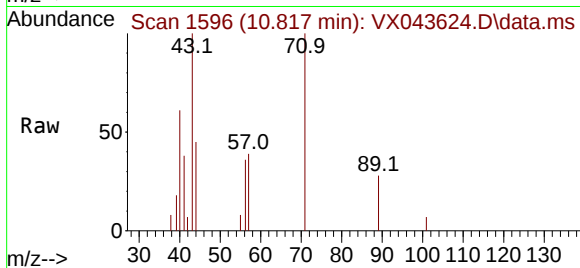
Ion Ratio Lower Upper

43 100

70 0.0 34.6 52.0#

55 9.7 19.6 29.4#

61 0.0 20.2 30.2#



#76

1,2,3-Trichloropropane

Concen: 23.385 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX043624.D

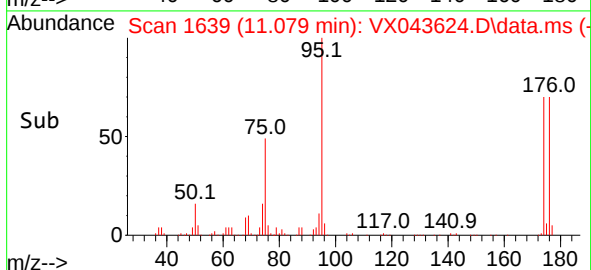
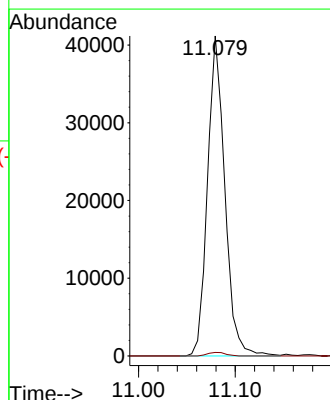
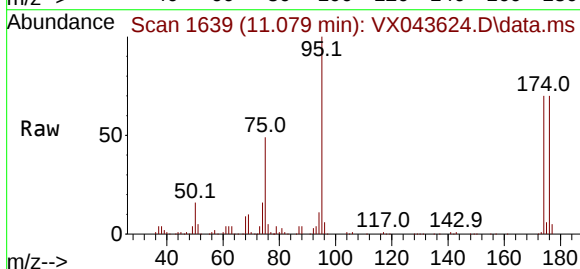
Acq: 30 Oct 2024 15:11

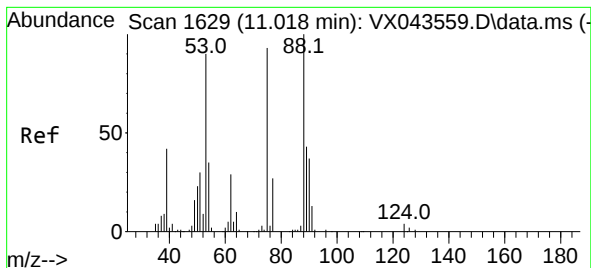
Tgt Ion: 75 Resp: 51373

Ion Ratio Lower Upper

75 100

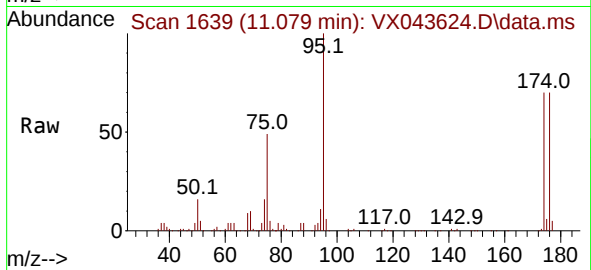
77 1.2 22.4 67.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.334 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043624.D
 Acq: 30 Oct 2024 15:11

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 51373
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.6 126.8#
 89 0.0 38.6 58.0#

