

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043573.D
 Acq On : 28 Oct 2024 19:10
 Operator : JC/MD
 Sample : PB164394ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 29 03:29:15 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

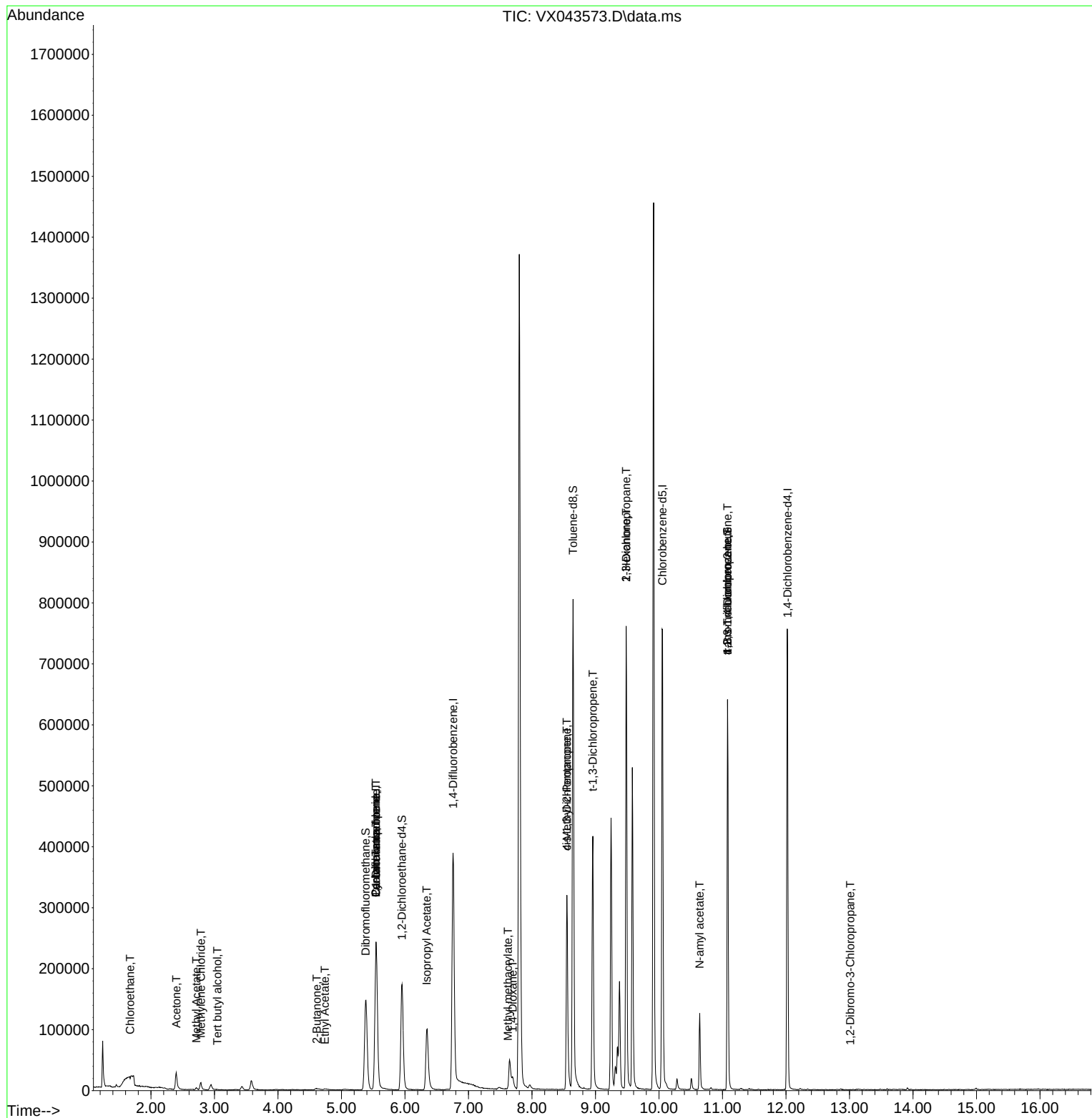
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	227453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	425180	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	366010	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	164944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	168247	46.390	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.780%
35) Dibromofluoromethane	5.379	113	134437	46.629	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.260%
50) Toluene-d8	8.647	98	497786	49.877	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.760%
62) 4-Bromofluorobenzene	11.079	95	173656	46.957	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.920%
Target Compounds						
					Qvalue	
6) Chloroethane	1.673	64	675	0.664	ug/l #	68
11) Tert butyl alcohol	3.044	59	453	0.669	ug/l #	100
16) Acetone	2.398	43	35250	24.475	ug/l	96
18) Methyl Acetate	2.715	43	5100	1.212	ug/l #	87
20) Methylene Chloride	2.788	84	5650	1.820	ug/l	90
25) 2-Butanone	4.611	43	4685	2.230	ug/l #	89
31) Cyclohexane	5.544	56	4807	1.255	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	18277	5.346	ug/l #	49
37) Ethyl Acetate	4.739	43	2965	0.714	ug/l #	88
38) Carbon Tetrachloride	5.544	117	24079	6.374	ug/l #	15
43) Isopropyl Acetate	6.342	43	153994	22.435	ug/l	99
48) Methyl methacrylate	7.623	41	4428	1.361	ug/l #	43
49) 1,4-Dioxane	7.696	88	57	0.853	ug/l #	25
51) 4-Methyl-2-Pentanone	8.549	43	119596	28.587	ug/l #	49
53) t-1,3-Dichloropropene	8.958	75	1048	0.257	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	57974	13.355	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	7312	1.527	ug/l #	42
59) 2-Hexanone	9.482	43	93401	29.396	ug/l #	51
74) N-amyl acetate	10.640	43	30620	5.380	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	87404	24.783	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	87404	68.180	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	13.012	75	201	0.235	ug/l #	4

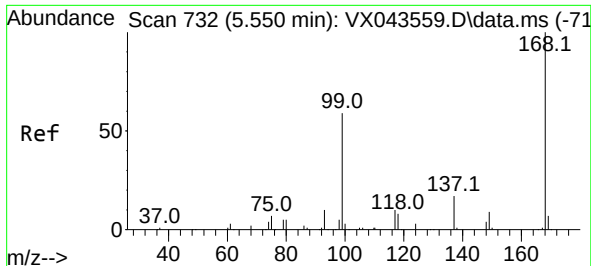
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

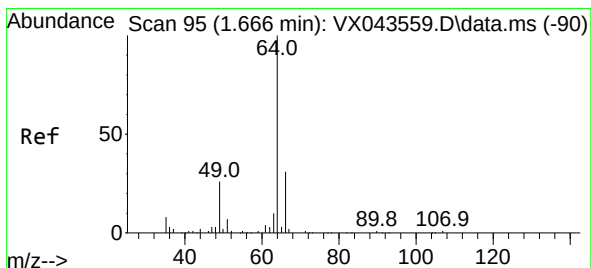
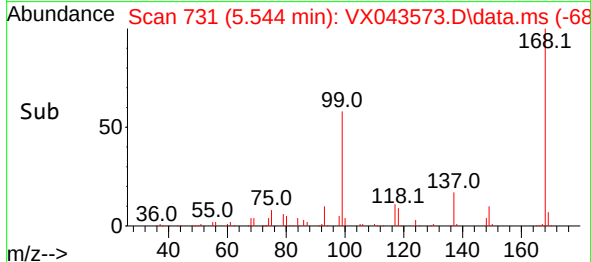
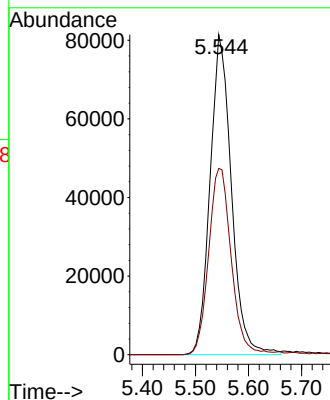
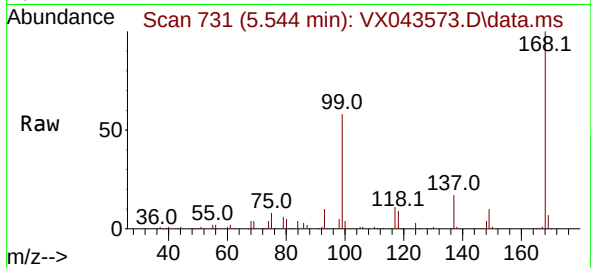




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043573.D
Acq: 28 Oct 2024 19:10

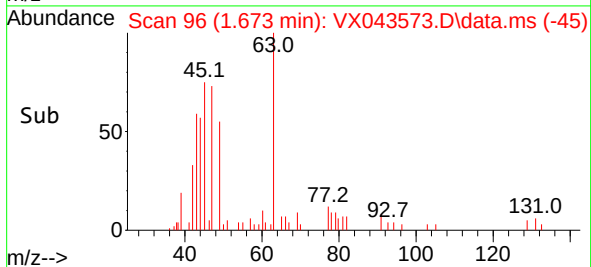
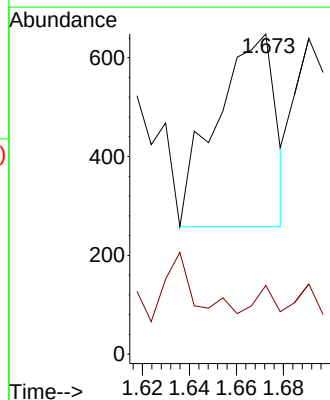
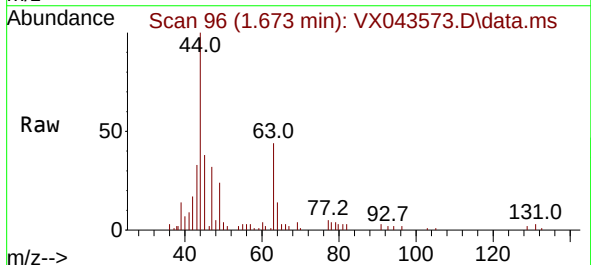
Instrument :
MSVOA_X
ClientSampleId :

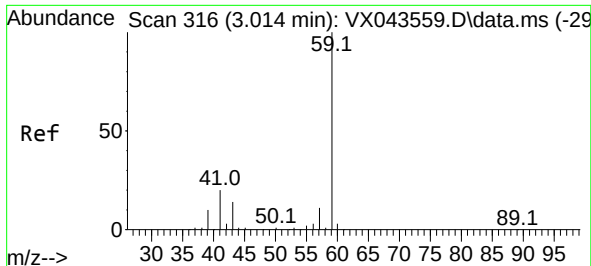
Tgt Ion:168 Resp: 227453
Ion Ratio Lower Upper
168 100
99 58.2 52.6 78.8



#6
Chloroethane
Concen: 0.664 ug/l
RT: 1.673 min Scan# 96
Delta R.T. 0.012 min
Lab File: VX043573.D
Acq: 28 Oct 2024 19:10

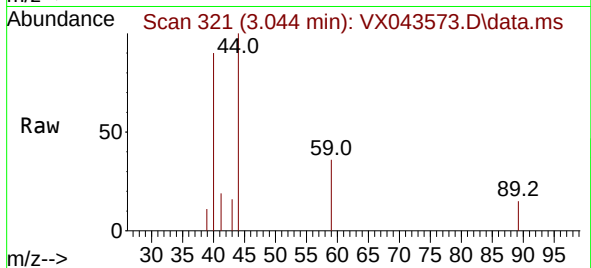
Tgt Ion: 64 Resp: 675
Ion Ratio Lower Upper
64 100
66 13.6 25.1 37.7#



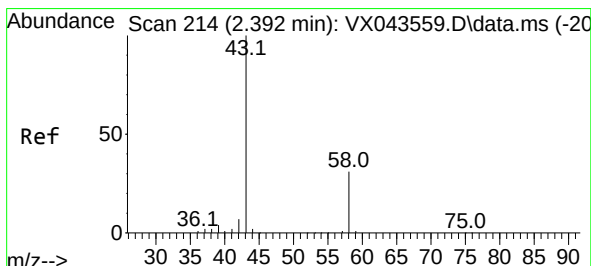
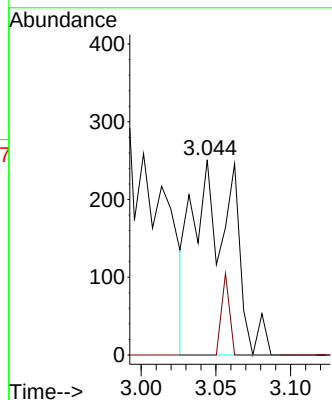
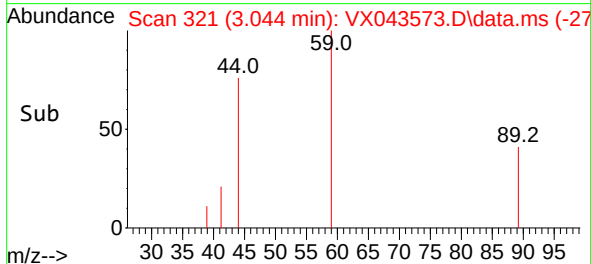


#11
Tert butyl alcohol
Concen: 0.669 ug/l
RT: 3.044 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX043573.D
Acq: 28 Oct 2024 19:10

Instrument :
MSVOA_X
ClientSampleId :

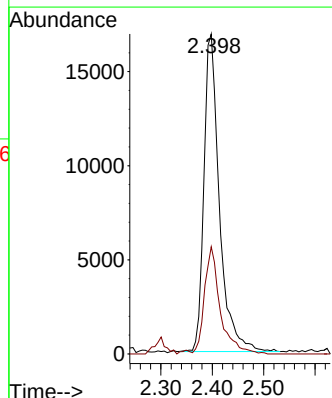
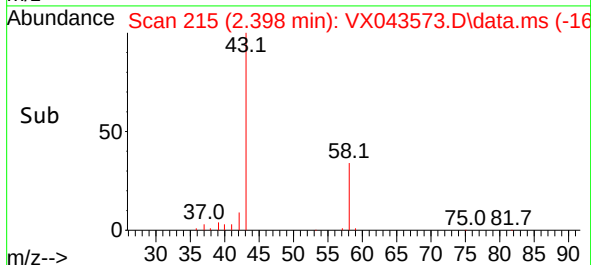
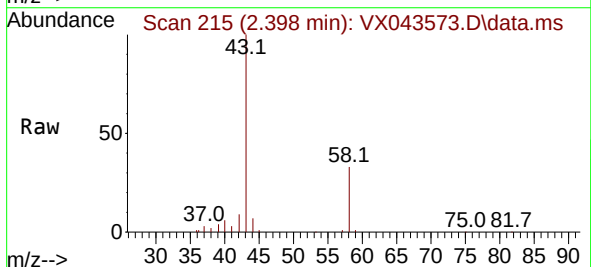


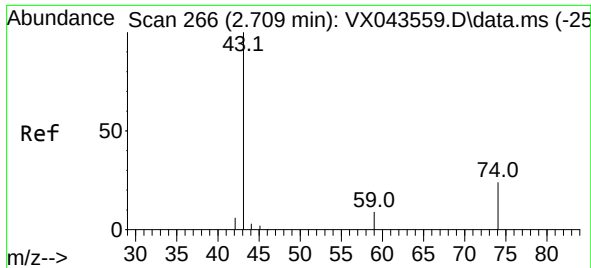
Tgt Ion: 59 Resp: 453
Ion Ratio Lower Upper
59 100
57 8.4 0.0 0.0#



#16
Acetone
Concen: 24.475 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.000 min
Lab File: VX043573.D
Acq: 28 Oct 2024 19:10

Tgt Ion: 43 Resp: 35250
Ion Ratio Lower Upper
43 100
58 33.7 25.1 37.7





#18

Methyl Acetate

Concen: 1.212 ug/l

RT: 2.715 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX043573.D

Acq: 28 Oct 2024 19:10

Instrument :

MSVOA_X

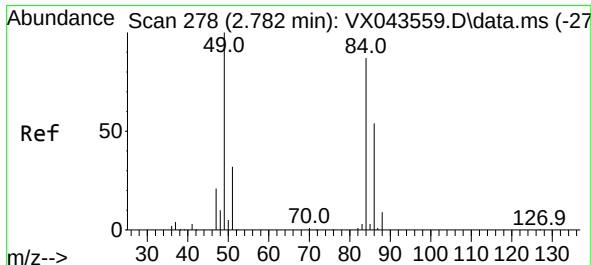
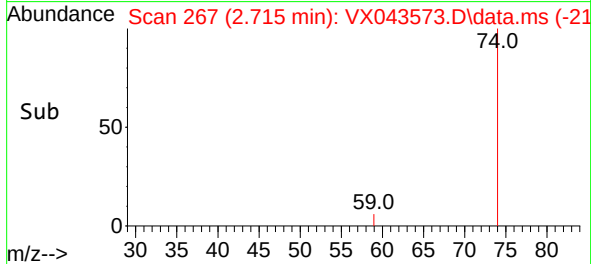
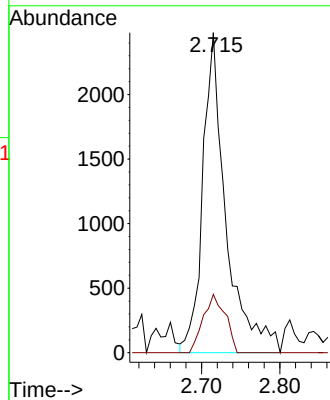
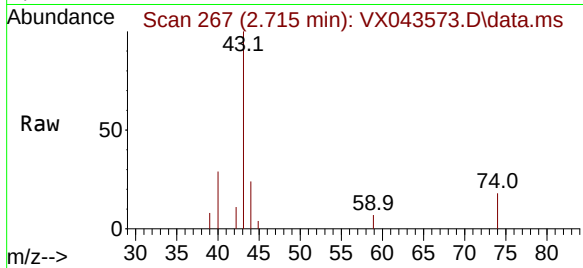
ClientSampleId :

Tgt Ion: 43 Resp: 5100

Ion Ratio Lower Upper

43 100

74 17.4 19.1 28.7#



#20

Methylene Chloride

Concen: 1.820 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX043573.D

Acq: 28 Oct 2024 19:10

Tgt Ion: 84 Resp: 5650

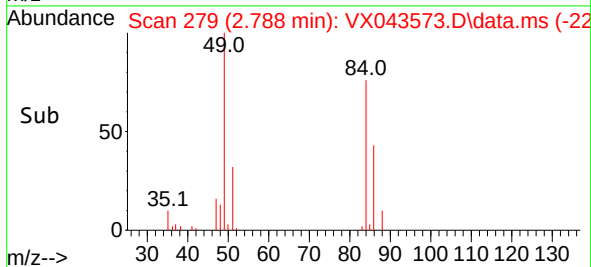
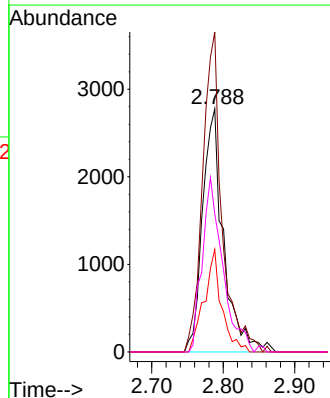
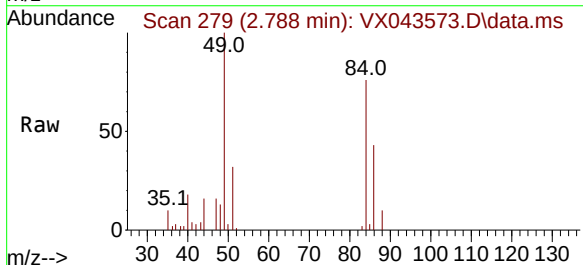
Ion Ratio Lower Upper

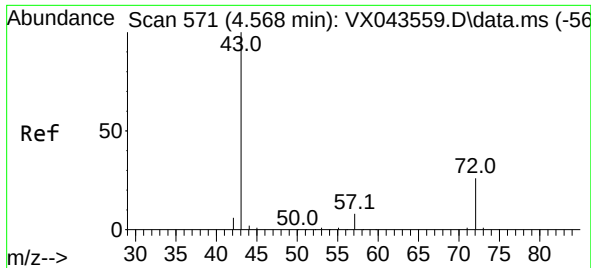
84 100

49 131.6 97.0 145.6

51 42.1 29.8 44.8

86 56.8 53.1 79.7

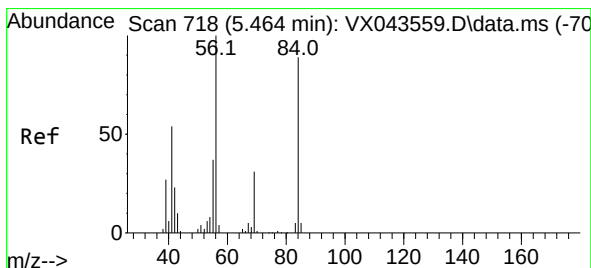
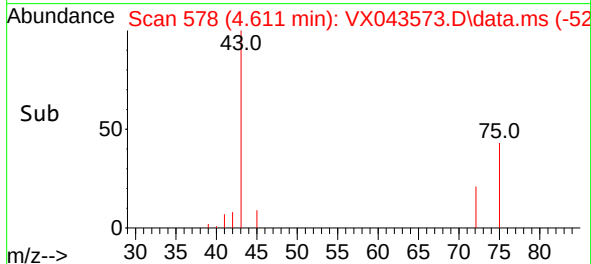
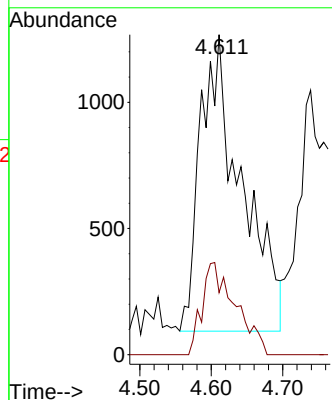
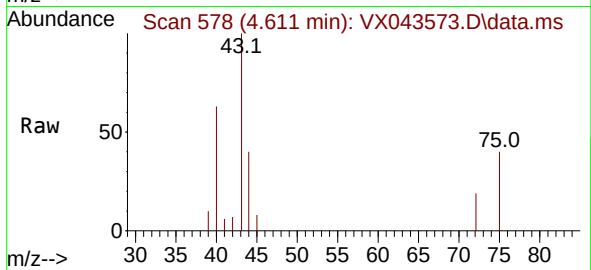




#25
2-Butanone
Concen: 2.230 ug/l
RT: 4.611 min Scan# 51
Delta R.T. 0.043 min
Lab File: VX043573.D
Acq: 28 Oct 2024 19:10

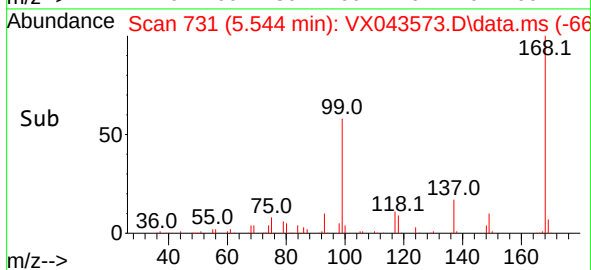
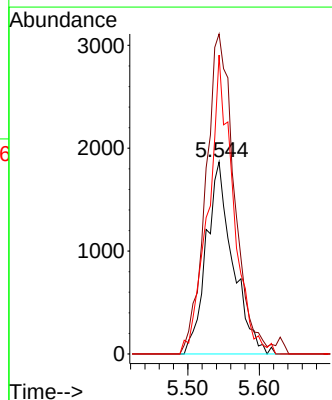
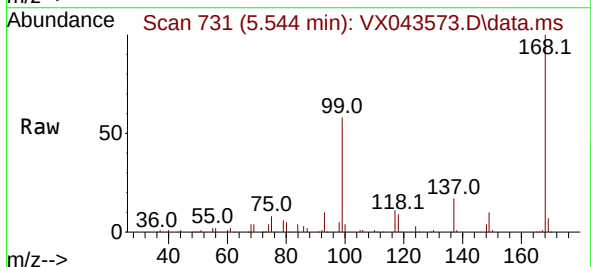
Instrument :
MSVOA_X
ClientSampleId :

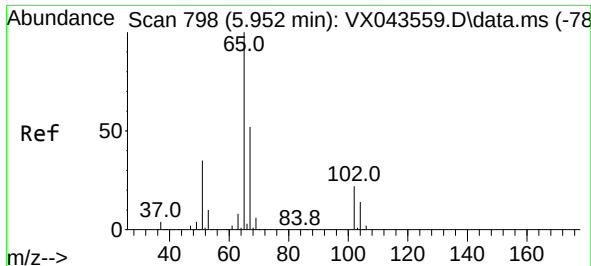
Tgt Ion: 43 Resp: 4685
Ion Ratio Lower Upper
43 100
72 20.9 21.1 31.7#



#31
Cyclohexane
Concen: 1.255 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.086 min
Lab File: VX043573.D
Acq: 28 Oct 2024 19:10

Tgt Ion: 56 Resp: 4807
Ion Ratio Lower Upper
56 100
69 166.6 24.9 37.3#
84 155.7 73.3 109.9#





#33

1,2-Dichloroethane-d4

Concen: 46.390 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043573.D

Acq: 28 Oct 2024 19:10

Instrument :

MSVOA_X

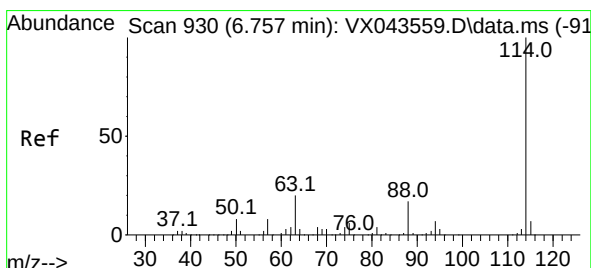
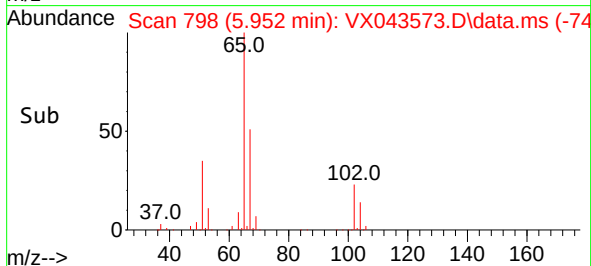
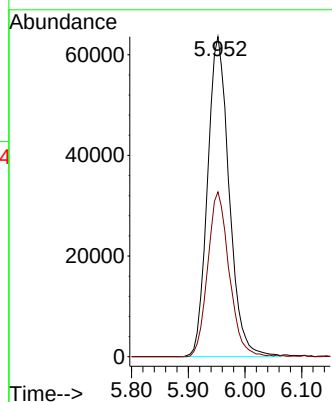
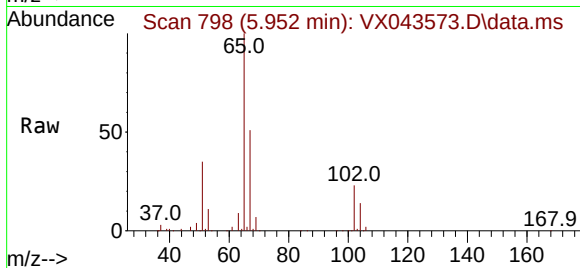
ClientSampleId :

Tgt Ion: 65 Resp: 168247

Ion Ratio Lower Upper

65 100

67 51.3 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: VX043573.D

Acq: 28 Oct 2024 19:10

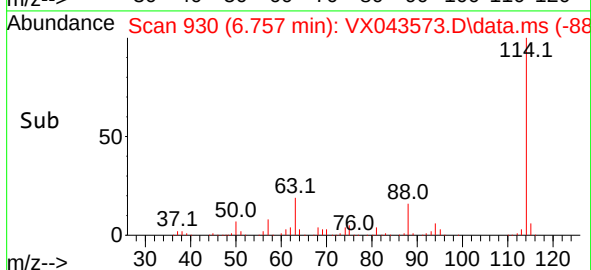
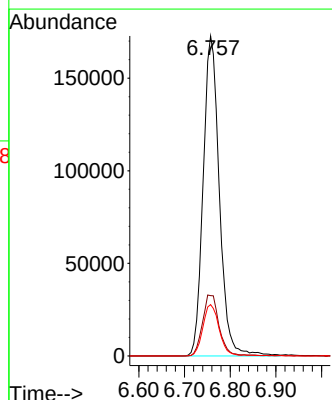
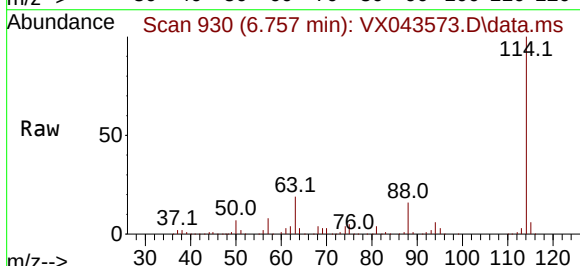
Tgt Ion: 114 Resp: 425180

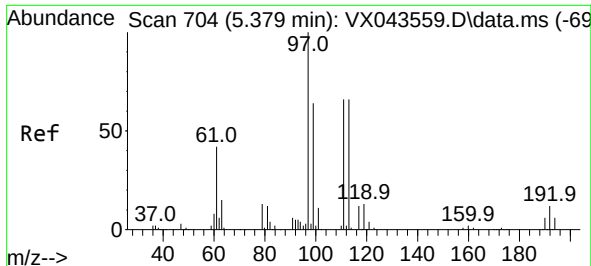
Ion Ratio Lower Upper

114 100

63 18.8 0.0 41.2

88 16.0 0.0 34.0

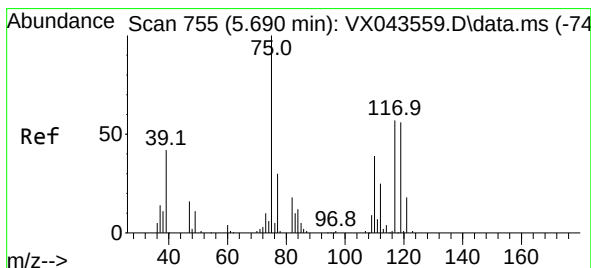
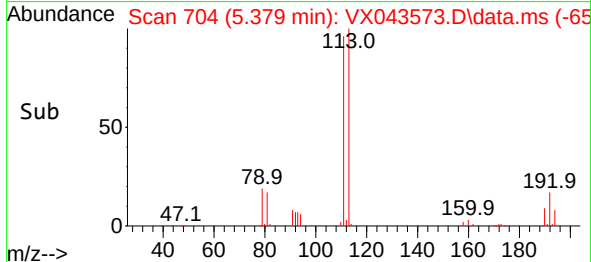
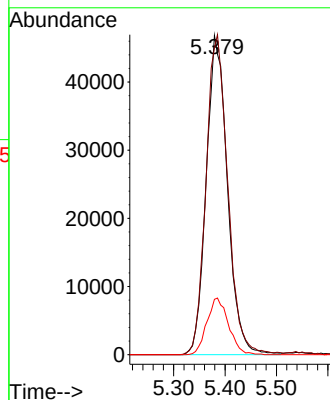
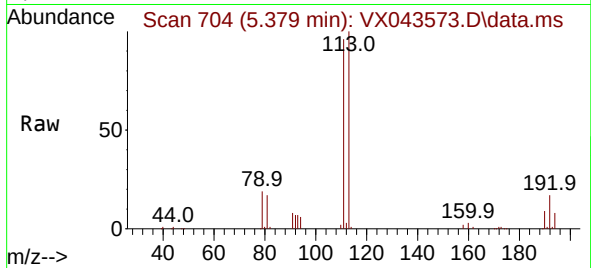




#35
Dibromofluoromethane
Concen: 46.629 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043573.D
Acq: 28 Oct 2024 19:10

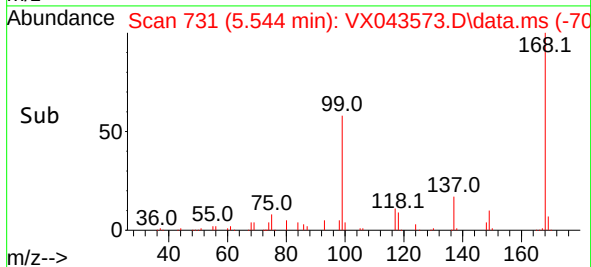
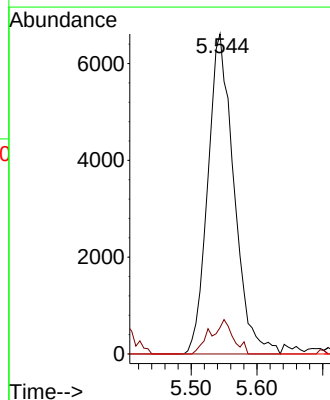
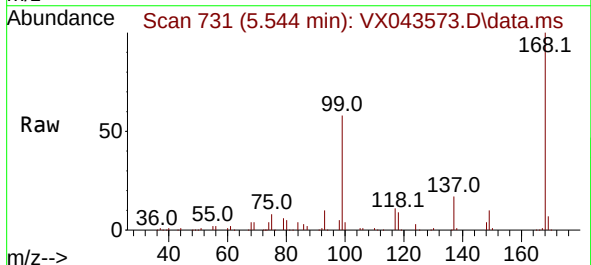
Instrument :
MSVOA_X
ClientSampleId :

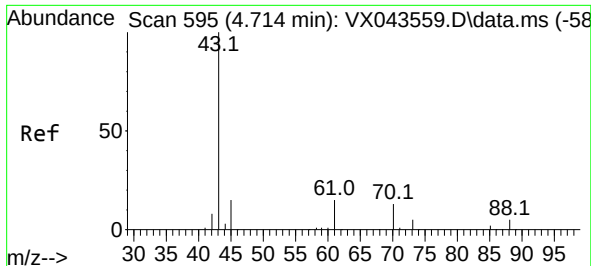
Tgt Ion:113 Resp: 134437
Ion Ratio Lower Upper
113 100
111 102.9 81.4 122.0
192 18.1 14.1 21.1



#36
1,1-Dichloropropene
Concen: 5.346 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX043573.D
Acq: 28 Oct 2024 19:10

Tgt Ion: 75 Resp: 18277
Ion Ratio Lower Upper
75 100
110 9.3 17.9 53.7#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.714 ug/l

RT: 4.739 min Scan# 595

Delta R.T. 0.019 min

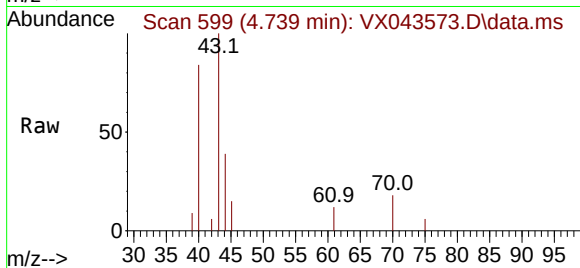
Lab File: VX043573.D

Acq: 28 Oct 2024 19:10

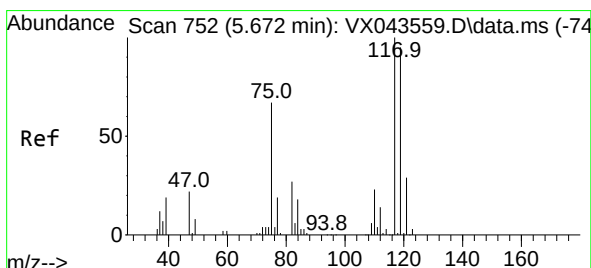
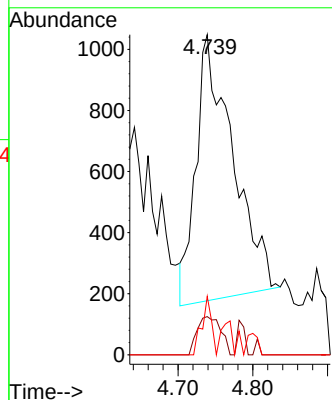
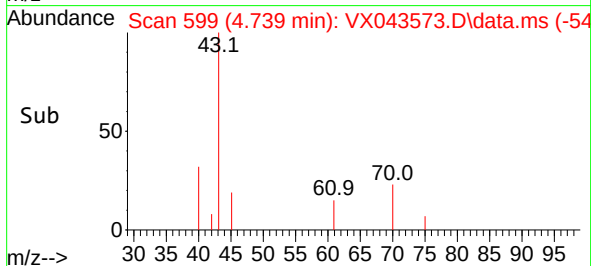
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	2965
Ion Ratio	100	Lower	Upper
61	9.3	11.0	16.6#
70	5.8	8.9	13.3#



#38

Carbon Tetrachloride

Concen: 6.374 ug/l

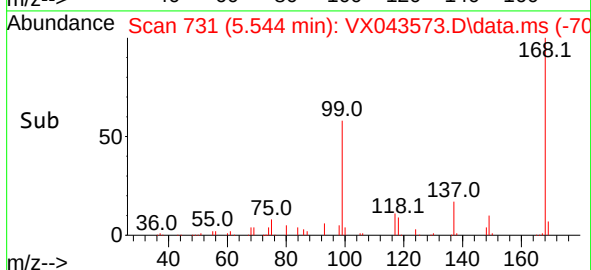
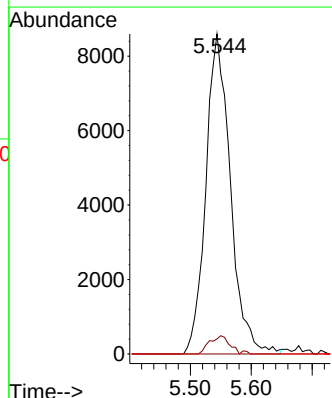
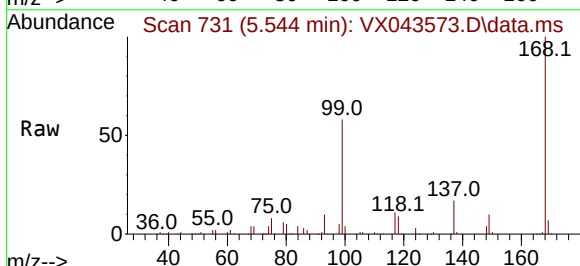
RT: 5.544 min Scan# 731

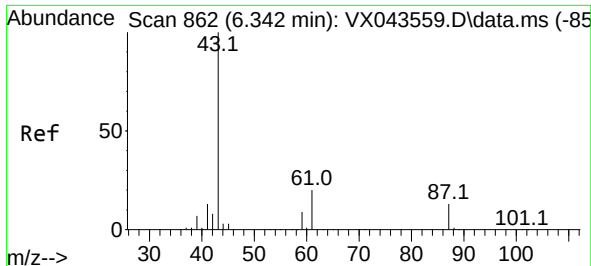
Delta R.T. -0.128 min

Lab File: VX043573.D

Acq: 28 Oct 2024 19:10

Tgt Ion:	117	Resp:	24079
Ion Ratio	100	Lower	Upper
119	4.7	77.0	115.6#
121	0.0	24.7	37.1#

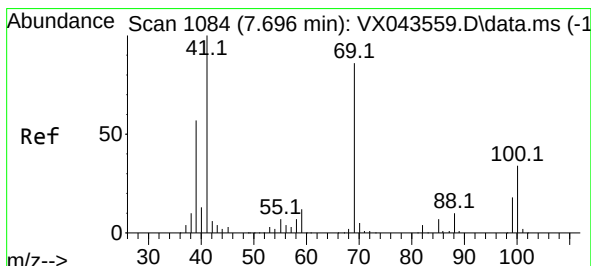
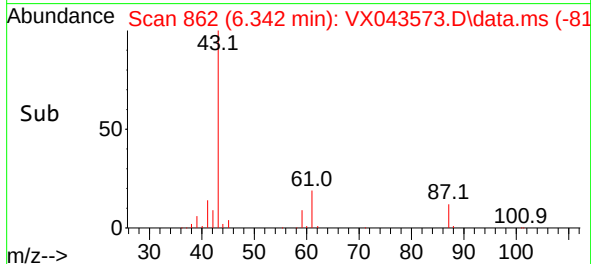
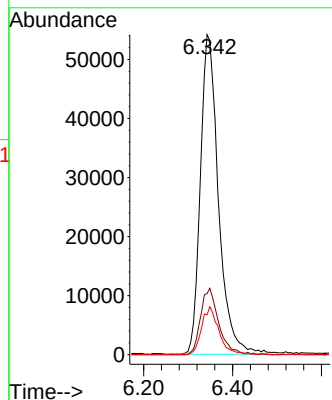
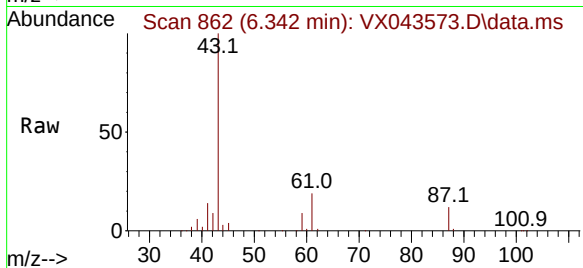




#43
Isopropyl Acetate
Concen: 22.435 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX043573.D
Acq: 28 Oct 2024 19:10

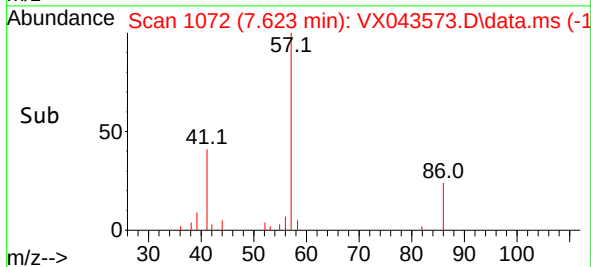
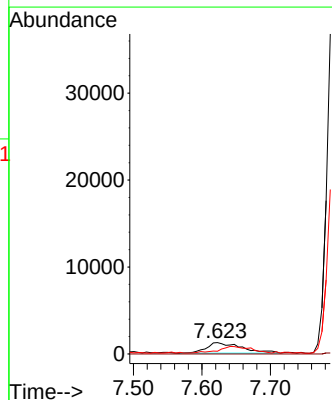
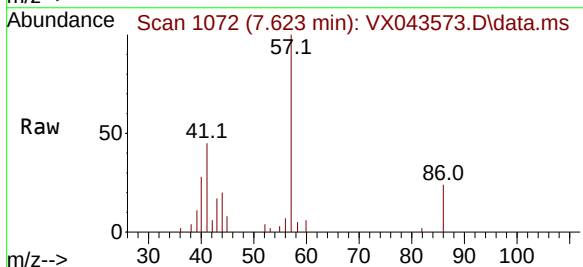
Instrument :
MSVOA_X
ClientSampleId :

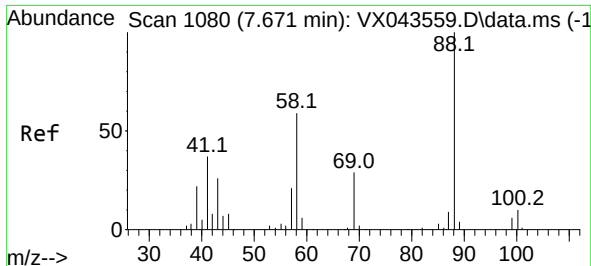
Tgt Ion: 43 Resp: 153994
Ion Ratio Lower Upper
43 100
61 20.5 16.2 24.4
87 14.2 11.0 16.6



#48
Methyl methacrylate
Concen: 1.361 ug/l
RT: 7.623 min Scan# 1072
Delta R.T. -0.073 min
Lab File: VX043573.D
Acq: 28 Oct 2024 19:10

Tgt Ion: 41 Resp: 4428
Ion Ratio Lower Upper
41 100
69 0.0 67.7 101.5#
39 54.8 46.3 69.5





#49

1,4-Dioxane

Concen: 0.853 ug/l

RT: 7.696 min Scan# 1080

Delta R.T. 0.025 min

Lab File: VX043573.D

Acq: 28 Oct 2024 19:10

Instrument :

MSVOA_X

ClientSampleId :

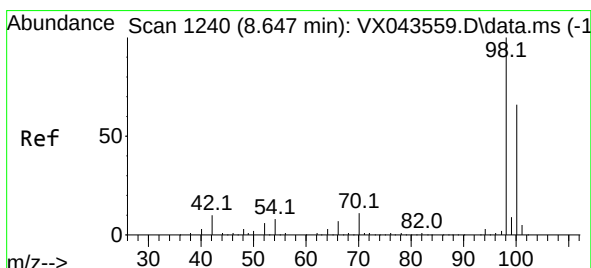
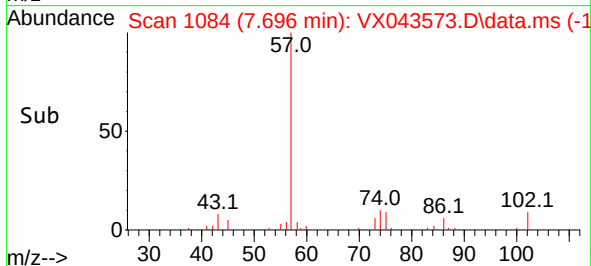
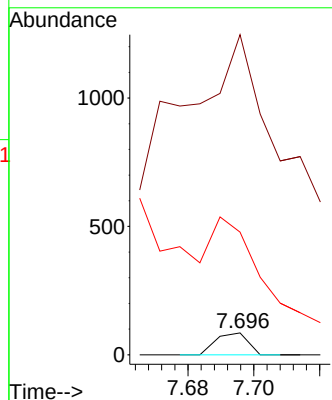
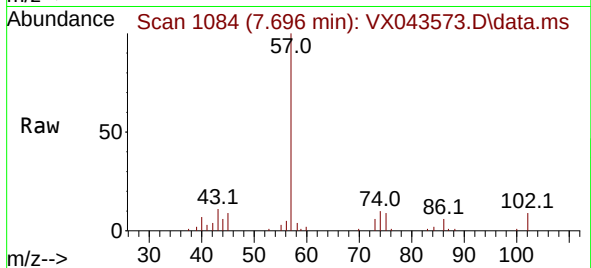
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 0.0 25.3 37.9#

58 0.0 53.9 80.9#



#50

Toluene-d8

Concen: 49.877 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043573.D

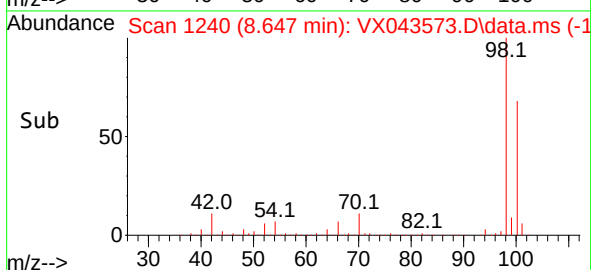
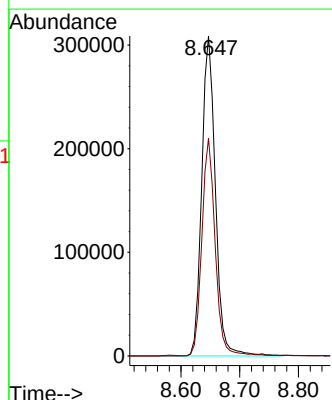
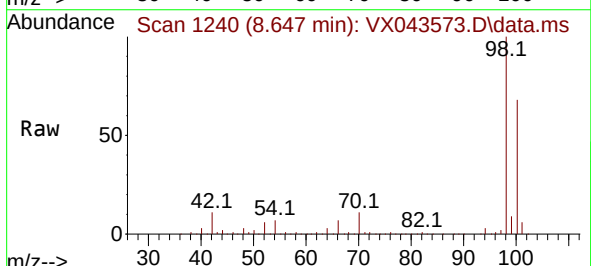
Acq: 28 Oct 2024 19:10

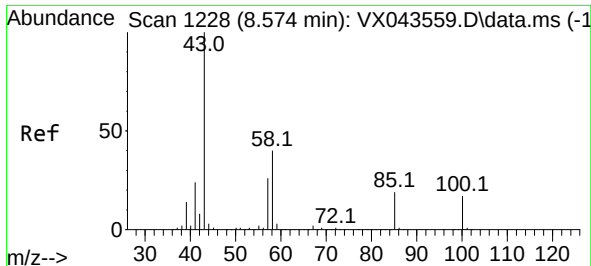
Tgt Ion: 98 Resp: 497786

Ion Ratio Lower Upper

98 100

100 66.0 53.4 80.2





#51

4-Methyl-2-Pentanone

Concen: 28.587 ug/l

RT: 8.549 min Scan# 1195

Delta R.T. -0.030 min

Lab File: VX043573.D

Acq: 28 Oct 2024 19:10

Instrument :

MSVOA_X

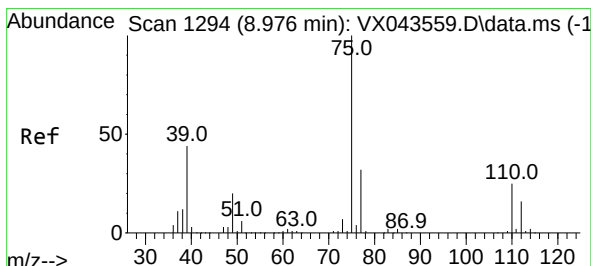
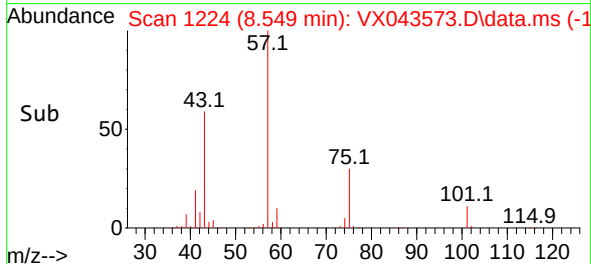
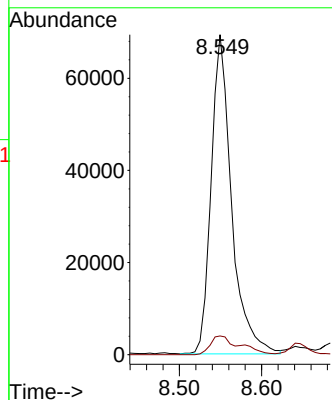
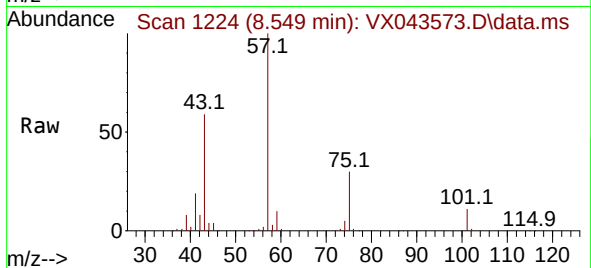
ClientSampleId :

Tgt Ion: 43 Resp: 119596

Ion Ratio Lower Upper

43 100

58 8.5 31.7 47.5#



#53

t-1,3-Dichloropropene

Concen: 0.257 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.018 min

Lab File: VX043573.D

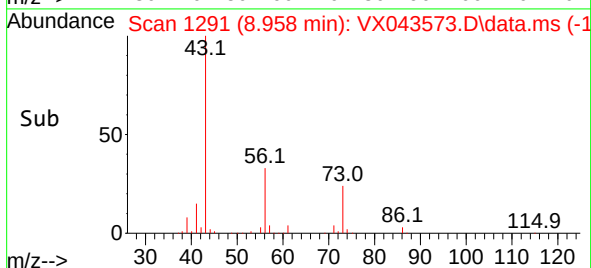
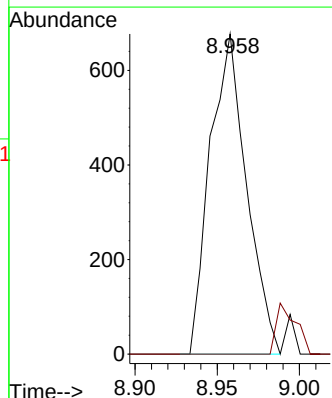
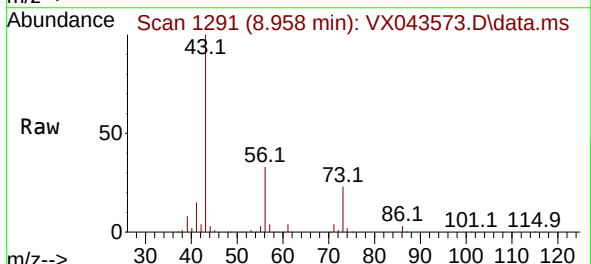
Acq: 28 Oct 2024 19:10

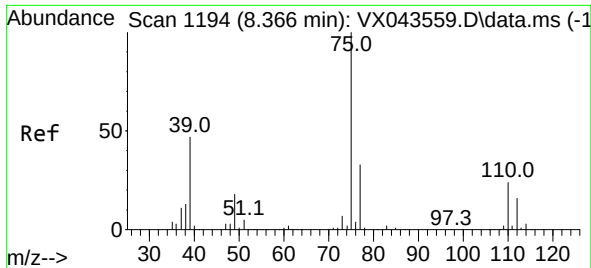
Tgt Ion: 75 Resp: 1048

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#

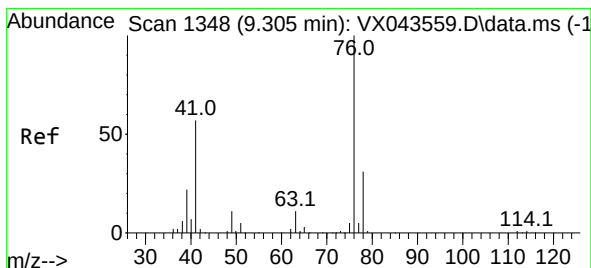
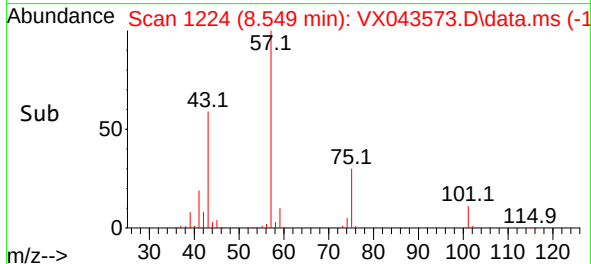
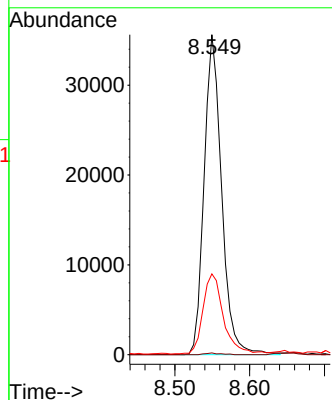
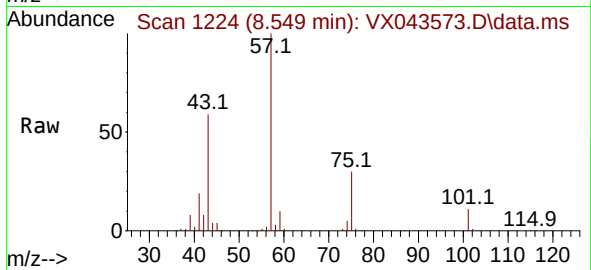




#54
 cis-1,3-Dichloropropene
 Concen: 13.355 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043573.D
 Acq: 28 Oct 2024 19:10

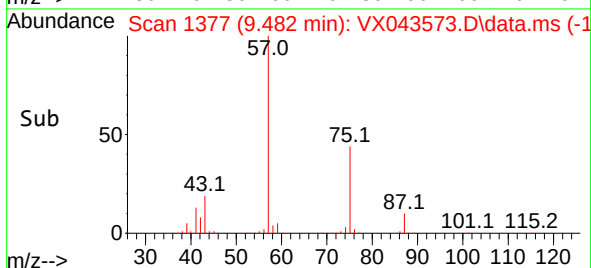
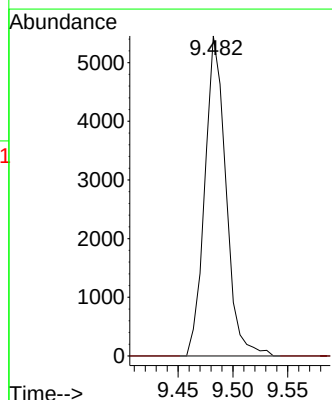
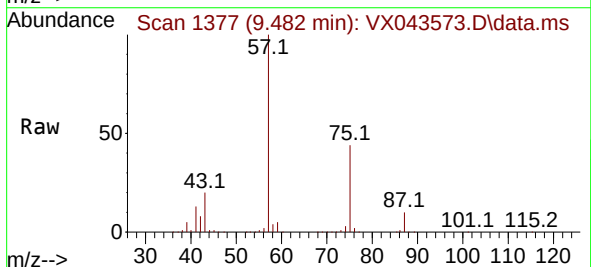
Instrument :
 MSVOA_X
 ClientSampleId :

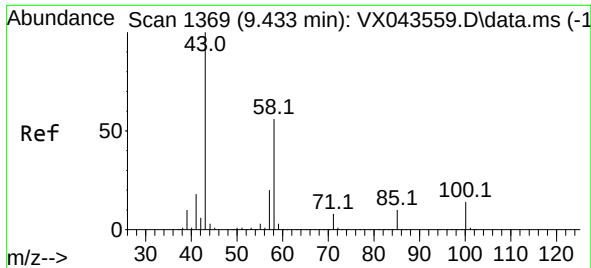
Tgt Ion: 75 Resp: 57974
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.8 37.2#
 39 25.0 37.7 56.5#



#57
 1,3-Dichloropropane
 Concen: 1.527 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX043573.D
 Acq: 28 Oct 2024 19:10

Tgt Ion: 76 Resp: 7312
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

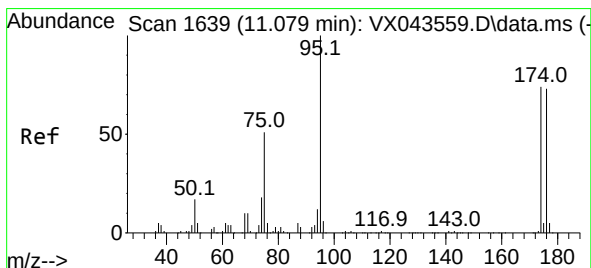
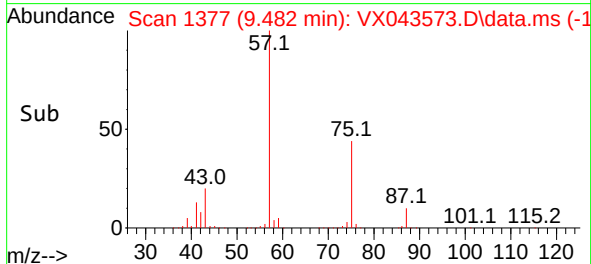
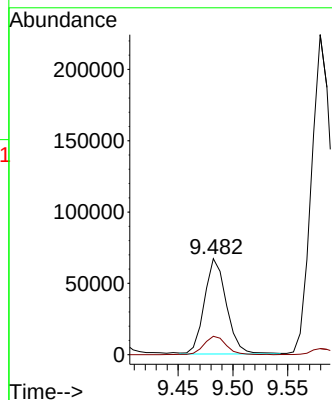
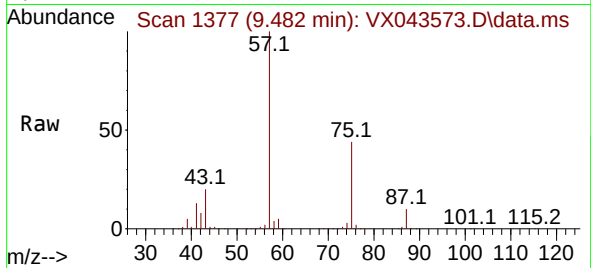




#59
2-Hexanone
Concen: 29.396 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX043573.D
Acq: 28 Oct 2024 19:10

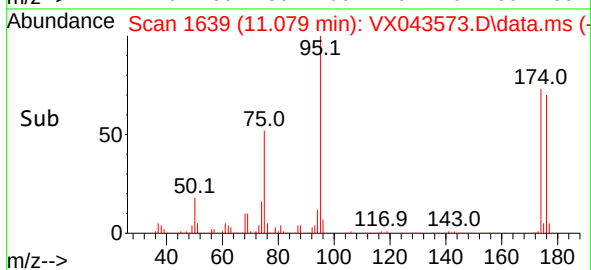
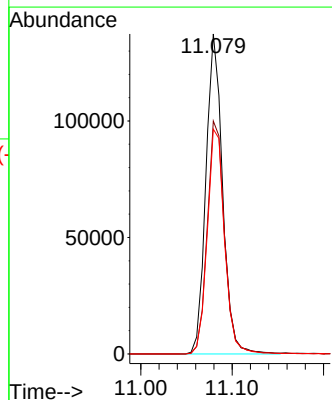
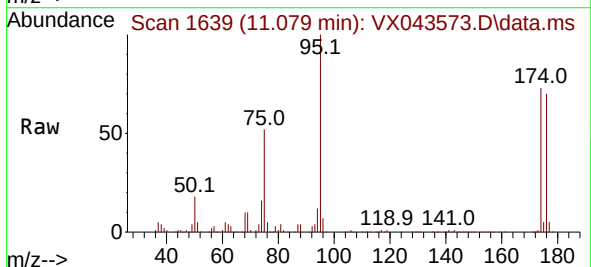
Instrument :
MSVOA_X
ClientSampleId :

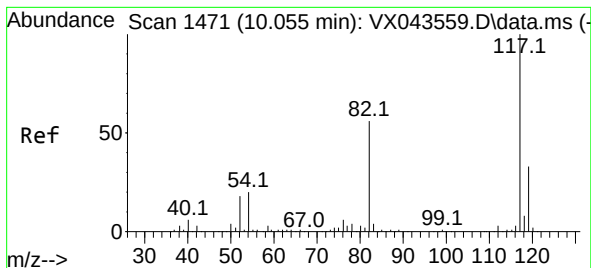
Tgt Ion: 43 Resp: 93401
Ion Ratio Lower Upper
43 100
58 19.6 27.5 82.5#



#62
4-Bromofluorobenzene
Concen: 46.957 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043573.D
Acq: 28 Oct 2024 19:10

Tgt Ion: 95 Resp: 173656
Ion Ratio Lower Upper
95 100
174 75.9 0.0 146.6
176 72.8 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: VX043573.D

Acq: 28 Oct 2024 19:10

Instrument :

MSVOA_X

ClientSampleId :

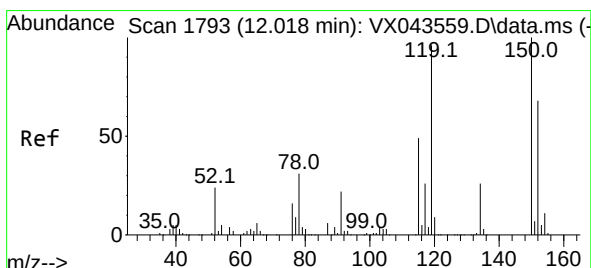
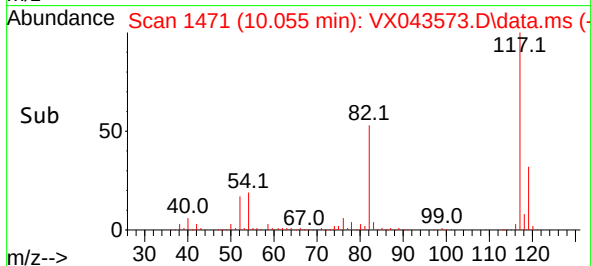
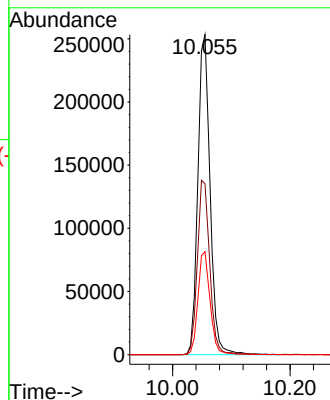
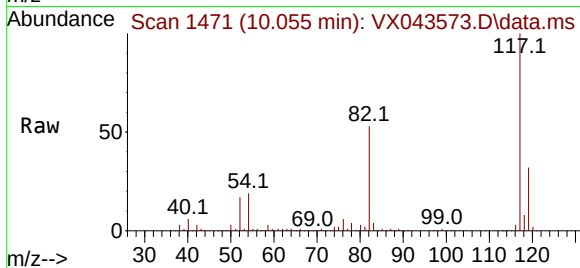
Tgt Ion:117 Resp: 366010

Ion Ratio Lower Upper

117 100

82 53.4 42.1 63.1

119 32.2 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: VX043573.D

Acq: 28 Oct 2024 19:10

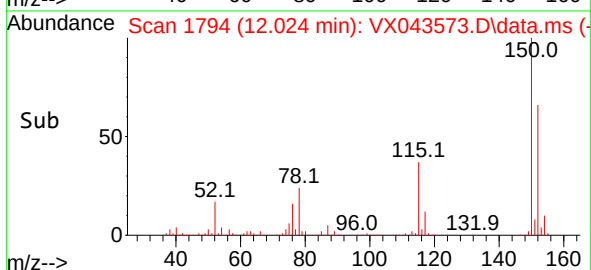
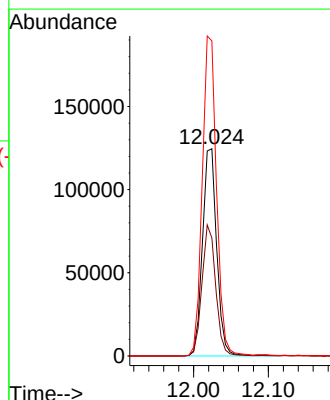
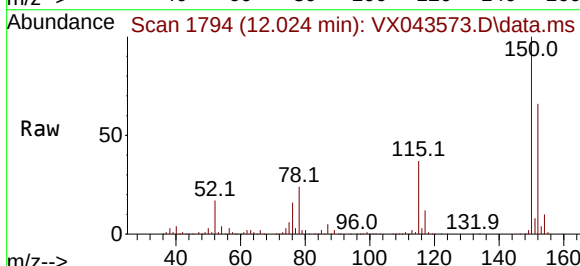
Tgt Ion:152 Resp: 164944

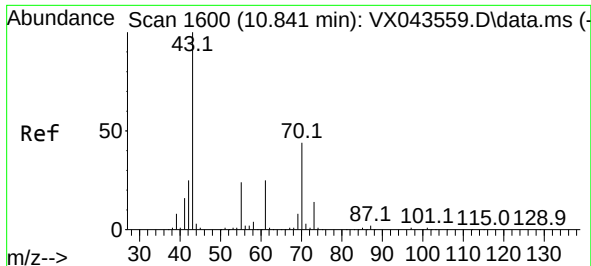
Ion Ratio Lower Upper

152 100

115 61.1 42.9 128.7

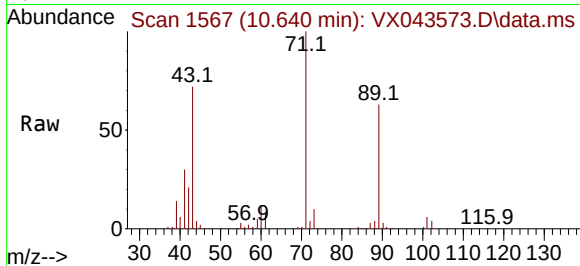
150 154.4 0.0 343.6



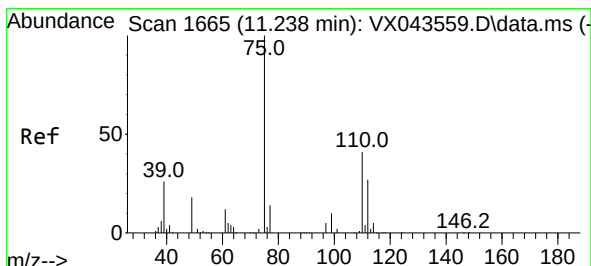
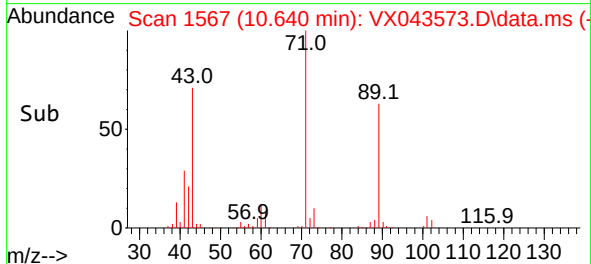
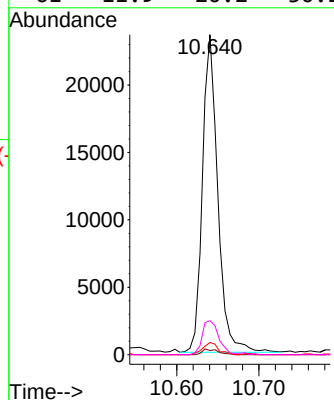


#74
N-amy1 acetate
Concen: 5.380 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX043573.D
Acq: 28 Oct 2024 19:10

Instrument :
MSVOA_X
ClientSampleId :

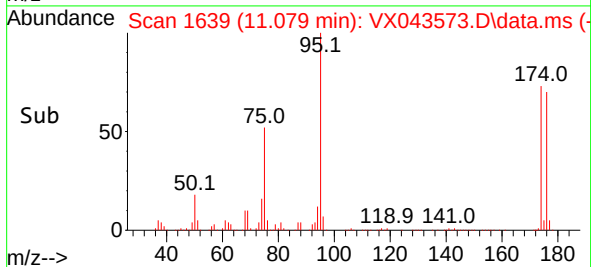
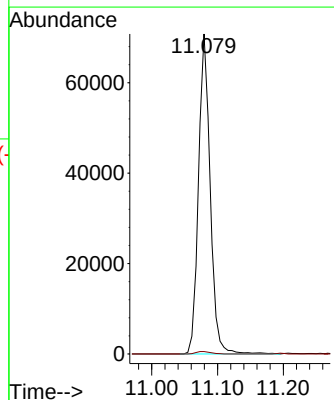
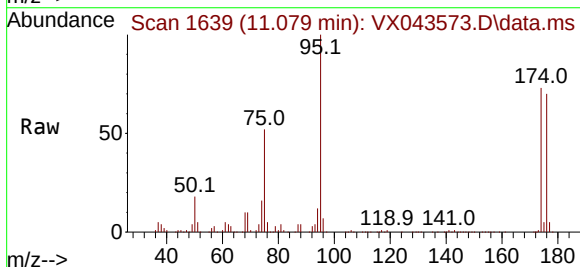


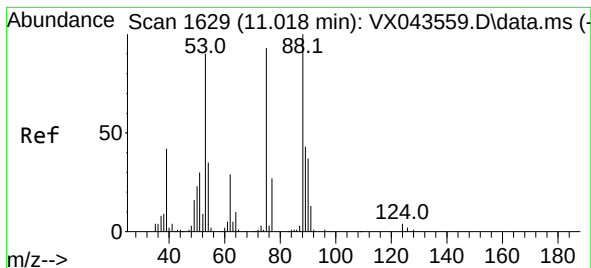
Tgt Ion:	43	Resp:	30620
Ion	Ratio	Lower	Upper
43	100		
70	1.8	34.6	52.0#
55	3.9	19.6	29.4#
61	11.9	20.2	30.2#



#76
1,2,3-Trichloropropane
Concen: 24.783 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043573.D
Acq: 28 Oct 2024 19:10

Tgt Ion:	75	Resp:	87404
Ion	Ratio	Lower	Upper
75	100		
77	1.0	22.4	67.2#

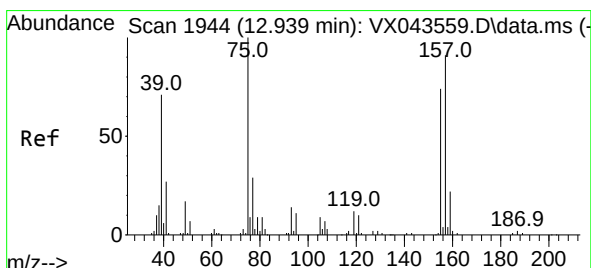
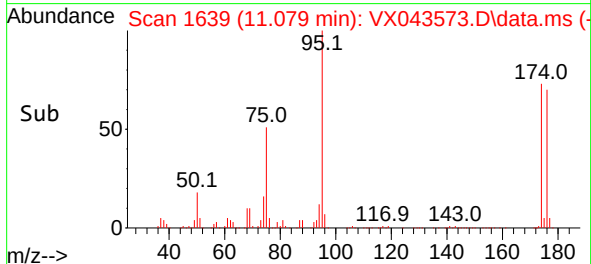
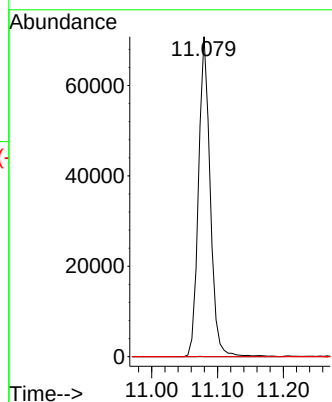
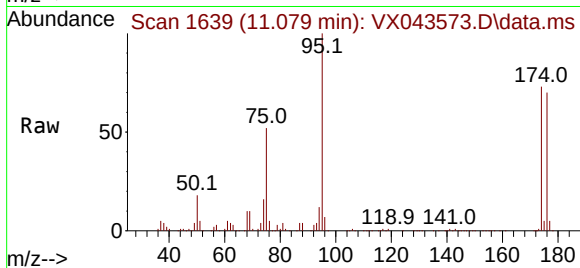




#81
trans-1,4-Dichloro-2-butene
Concen: 68.180 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX043573.D
Acq: 28 Oct 2024 19:10

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 87404
Ion Ratio Lower Upper
75 100
53 0.0 84.6 126.8#
89 0.1 38.6 58.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.235 ug/l
RT: 13.012 min Scan# 1956
Delta R.T. 0.073 min
Lab File: VX043573.D
Acq: 28 Oct 2024 19:10

Tgt Ion: 75 Resp: 201
Ion Ratio Lower Upper
75 100
155 0.0 40.1 120.3#
157 0.0 50.8 152.4#

