

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043578.D
 Acq On : 28 Oct 2024 21:05
 Operator : JC/MD
 Sample : PB164394ZHE#10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 29 03:31:39 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

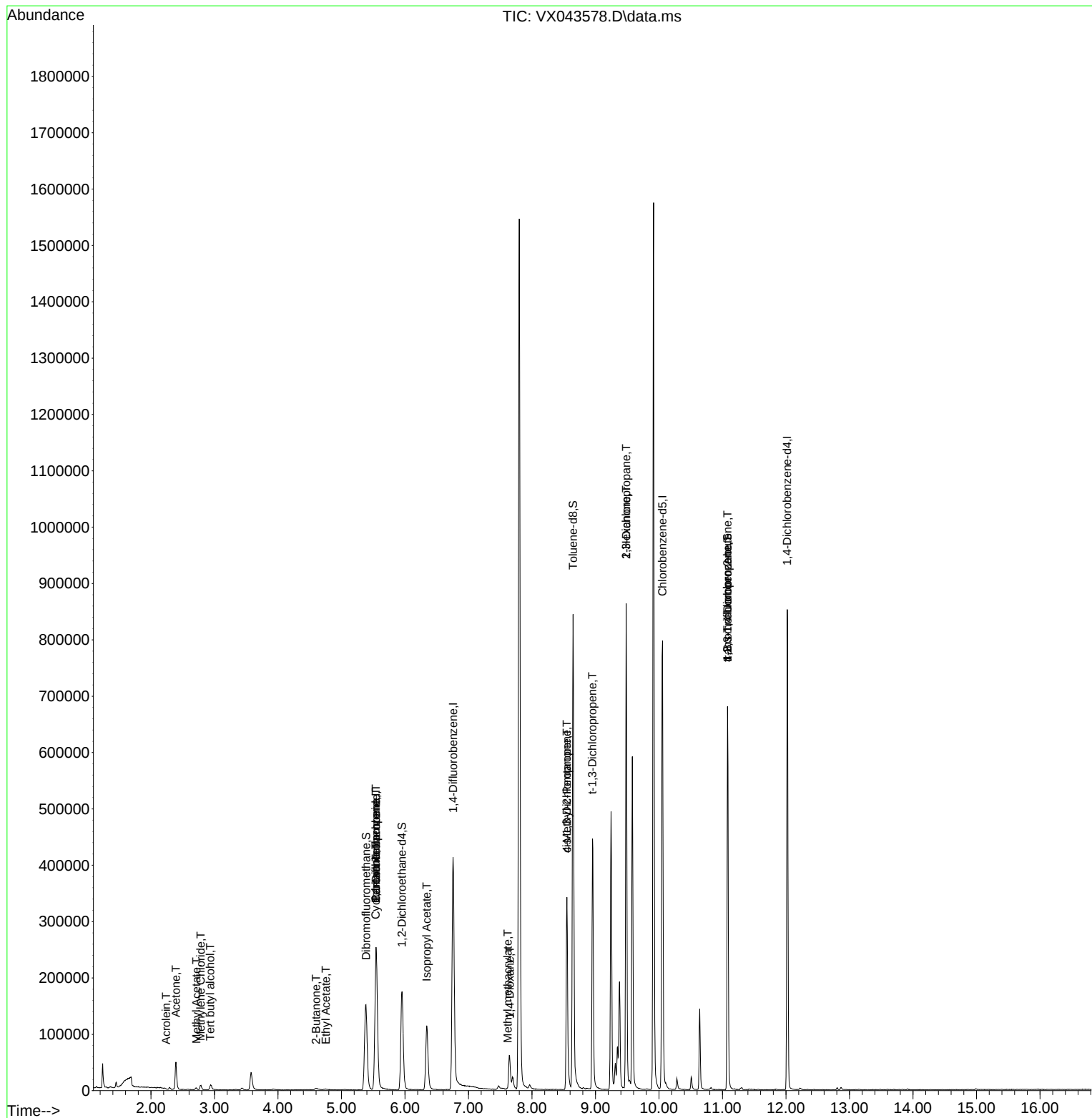
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	240510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	444200	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	380344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	176755	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	171681	44.767	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.540%
35) Dibromofluoromethane	5.385	113	137206	45.552	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.100%
50) Toluene-d8	8.647	98	513001	49.200	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.400%
62) 4-Bromofluorobenzene	11.079	95	186909	48.376	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.760%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.935	59	5047	7.051	ug/l #	100
13) Acrolein	2.240	56	118	0.211	ug/l #	15
16) Acetone	2.392	43	53780	35.314	ug/l	99
18) Methyl Acetate	2.715	43	3937	0.885	ug/l	100
20) Methylene Chloride	2.782	84	4153	1.265	ug/l #	89
25) 2-Butanone	4.599	43	4291	1.932	ug/l #	83
31) Cyclohexane	5.538	56	4792	1.183	ug/l #	15
36) 1,1-Dichloropropene	5.544	75	18160	5.084	ug/l #	50
37) Ethyl Acetate	4.751	43	3041	0.701	ug/l #	75
38) Carbon Tetrachloride	5.544	117	24445	6.194	ug/l #	14
43) Isopropyl Acetate	6.342	43	162290	22.632	ug/l	99
48) Methyl methacrylate	7.617	41	4083	1.201	ug/l #	13
49) 1,4-Dioxane	7.653	88	46	0.659	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	123483	28.253	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	1137	0.267	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	60653	13.374	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	7312	1.462	ug/l #	42
59) 2-Hexanone	9.482	43	101739	30.649	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	92908	24.584	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	92908	67.630	ug/l #	7

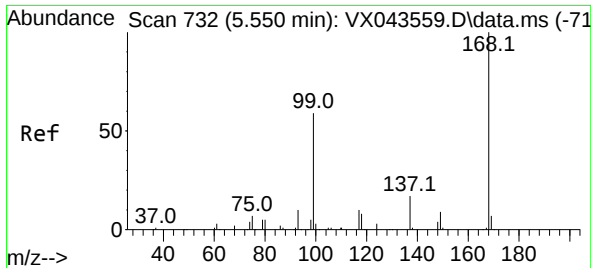
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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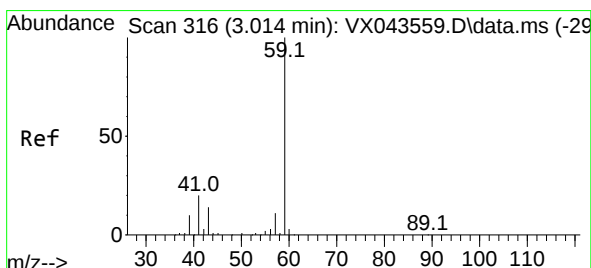
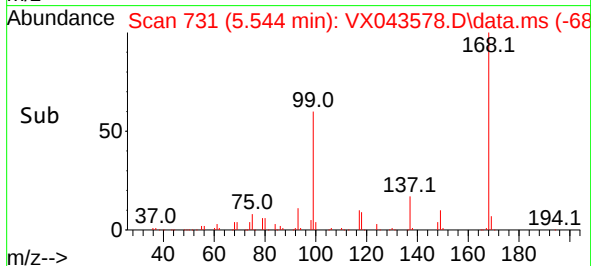
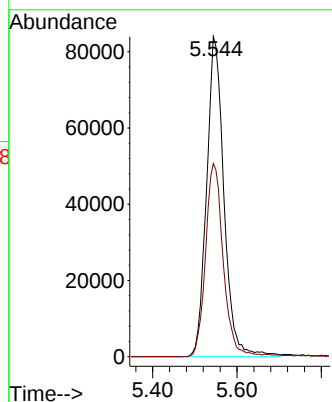
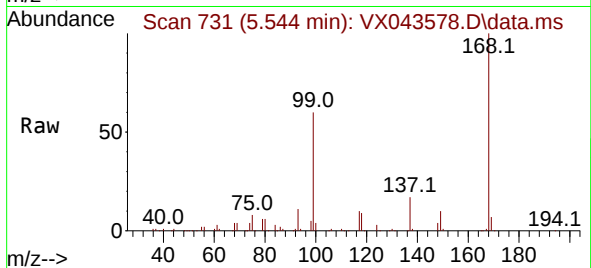




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043578.D
Acq: 28 Oct 2024 21:05

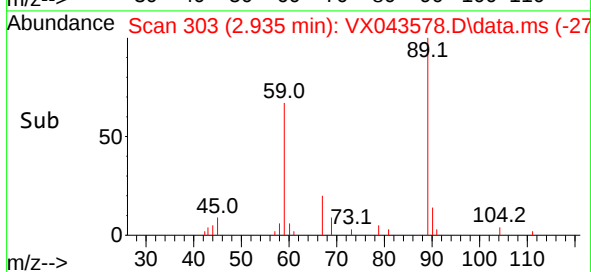
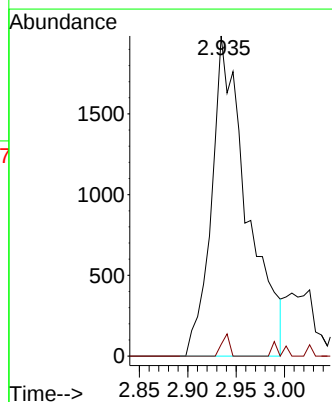
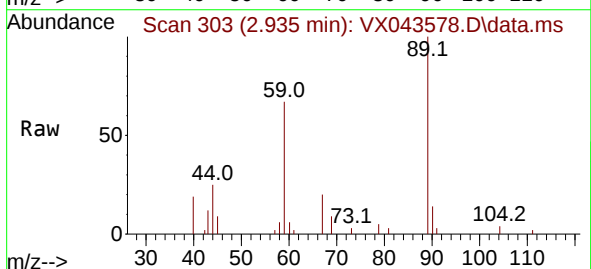
Instrument :
MSVOA_X
ClientSampleId :

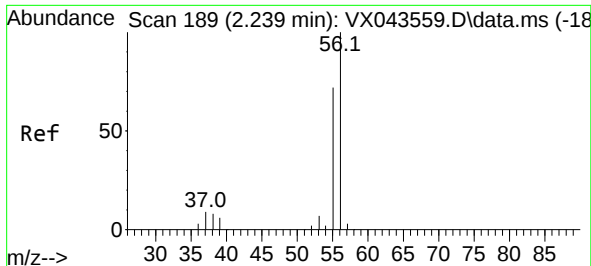
Tgt Ion:168 Resp: 240510
Ion Ratio Lower Upper
168 100
99 60.4 52.6 78.8



#11
Tert butyl alcohol
Concen: 7.051 ug/l
RT: 2.935 min Scan# 303
Delta R.T. -0.115 min
Lab File: VX043578.D
Acq: 28 Oct 2024 21:05

Tgt Ion: 59 Resp: 5047
Ion Ratio Lower Upper
59 100
57 1.5 0.0 0.0#





#13

Acrolein

Concen: 0.211 ug/l

RT: 2.240 min Scan# 118

Delta R.T. 0.000 min

Lab File: VX043578.D

Acq: 28 Oct 2024 21:05

Instrument :

MSVOA_X

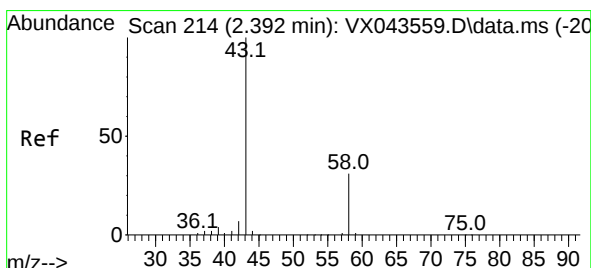
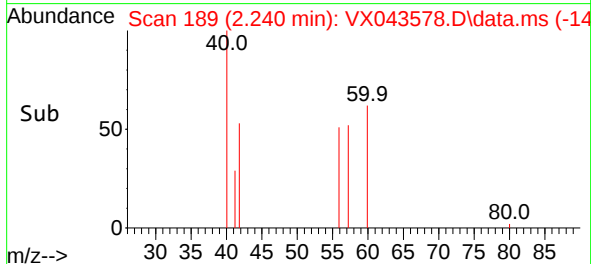
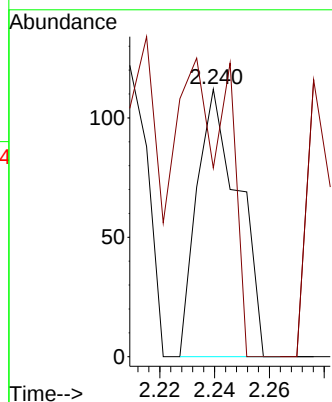
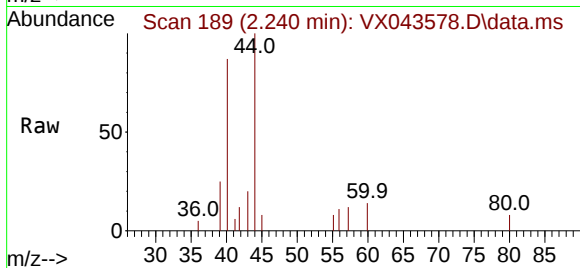
ClientSampleId :

Tgt Ion: 56 Resp: 118

Ion Ratio Lower Upper

56 100

55 0.0 55.3 82.9#



#16

Acetone

Concen: 35.314 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX043578.D

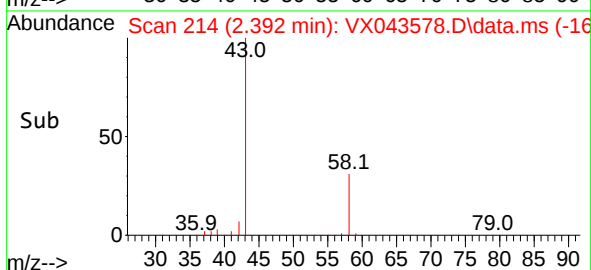
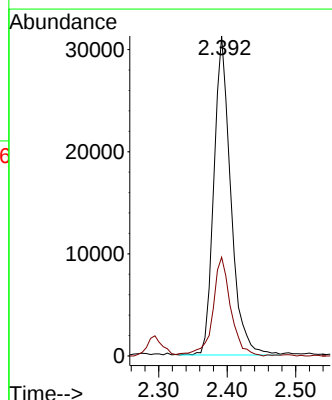
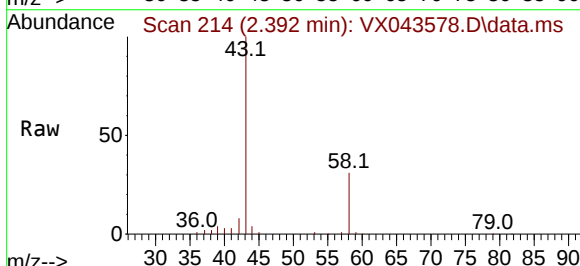
Acq: 28 Oct 2024 21:05

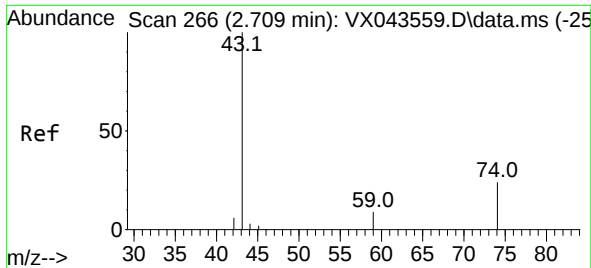
Tgt Ion: 43 Resp: 53780

Ion Ratio Lower Upper

43 100

58 30.7 25.1 37.7

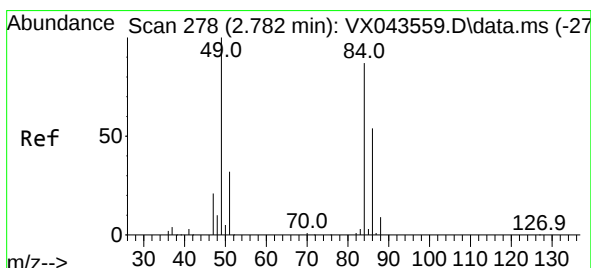
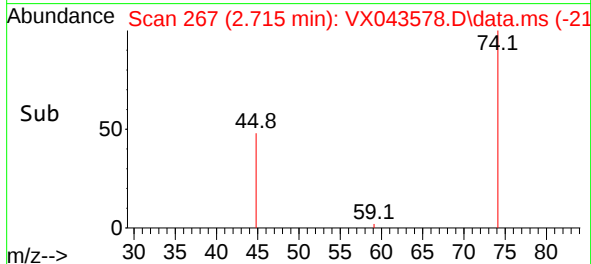
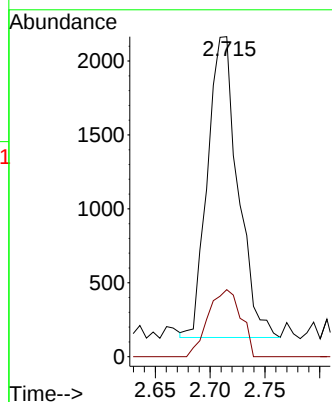
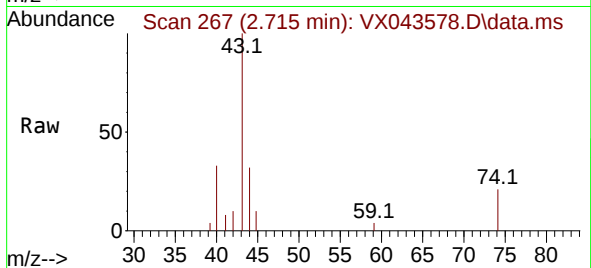




#18
Methyl Acetate
Concen: 0.885 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX043578.D
Acq: 28 Oct 2024 21:05

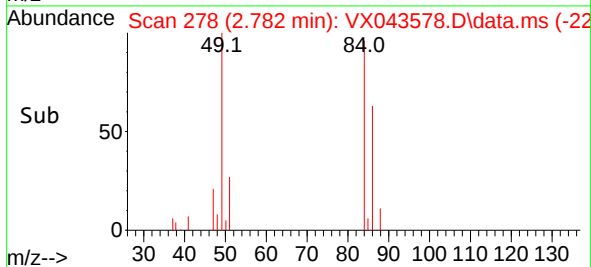
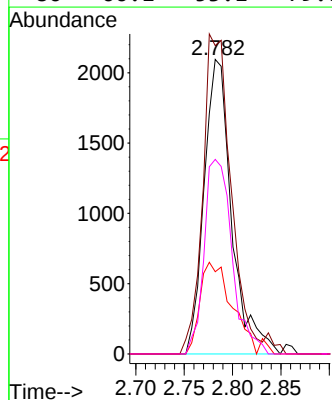
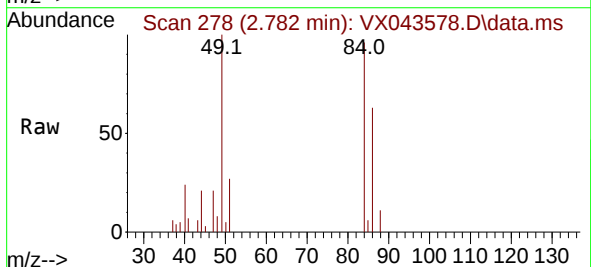
Instrument :
MSVOA_X
ClientSampleId :

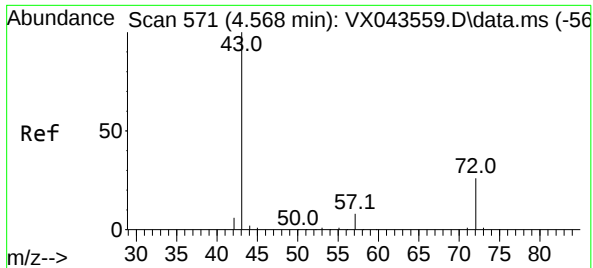
Tgt Ion: 43 Resp: 3937
Ion Ratio Lower Upper
43 100
74 23.9 19.1 28.7



#20
Methylene Chloride
Concen: 1.265 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043578.D
Acq: 28 Oct 2024 21:05

Tgt Ion: 84 Resp: 4153
Ion Ratio Lower Upper
84 100
49 104.7 97.0 145.6
51 27.9 29.8 44.8#
86 66.1 53.1 79.7

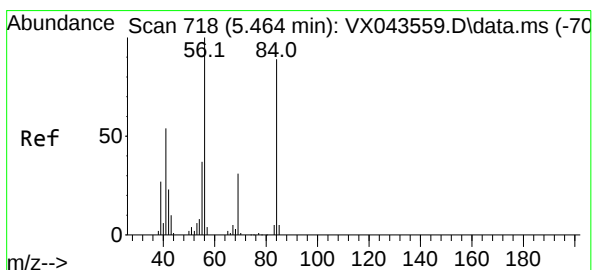
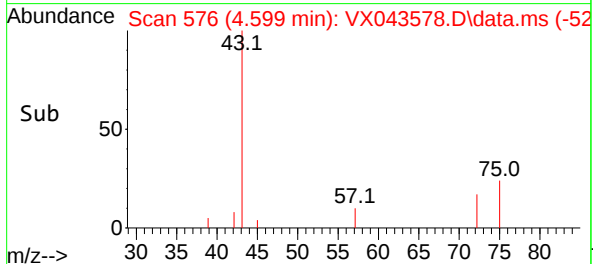
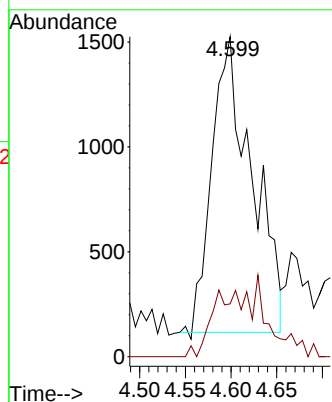
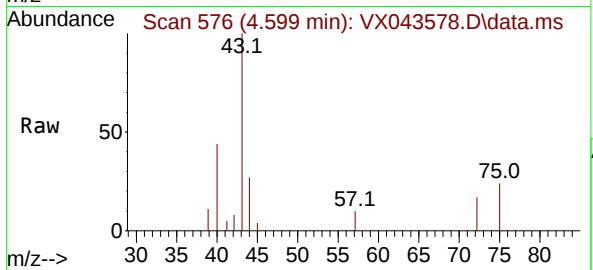




#25
2-Butanone
Concen: 1.932 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX043578.D
Acq: 28 Oct 2024 21:05

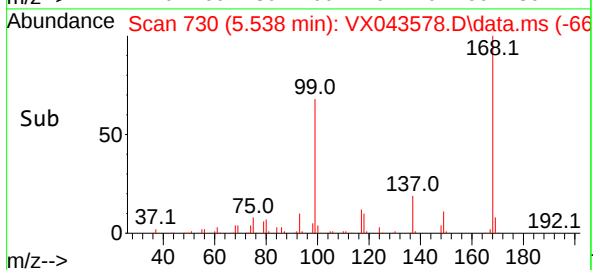
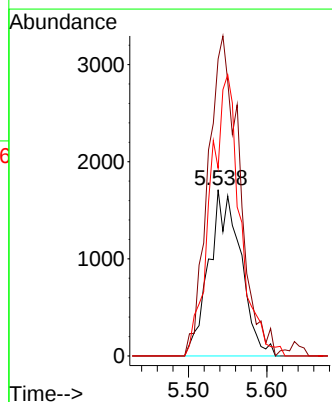
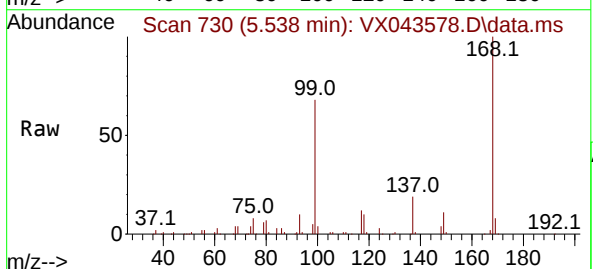
Instrument :
MSVOA_X
ClientSampleId :

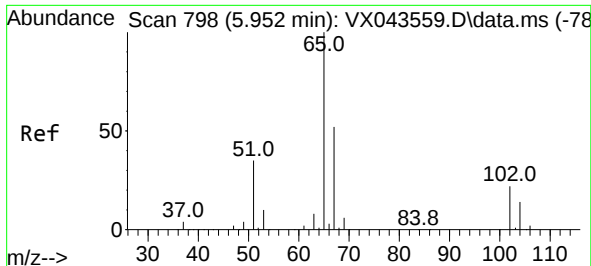
Tgt Ion: 43 Resp: 4291
Ion Ratio Lower Upper
43 100
72 17.9 21.1 31.7#



#31
Cyclohexane
Concen: 1.183 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.080 min
Lab File: VX043578.D
Acq: 28 Oct 2024 21:05

Tgt Ion: 56 Resp: 4792
Ion Ratio Lower Upper
56 100
69 178.6 24.9 37.3#
84 112.9 73.3 109.9#

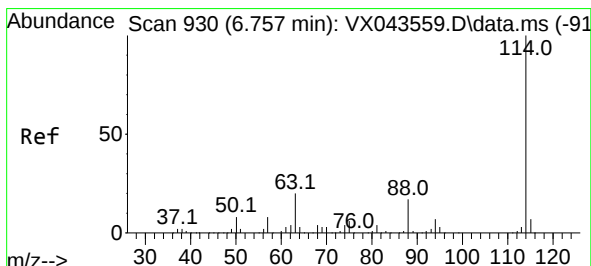
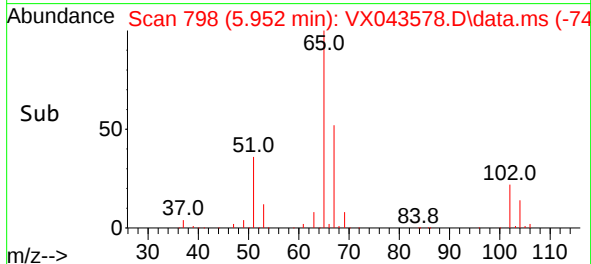
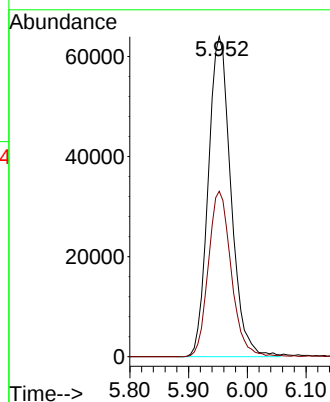
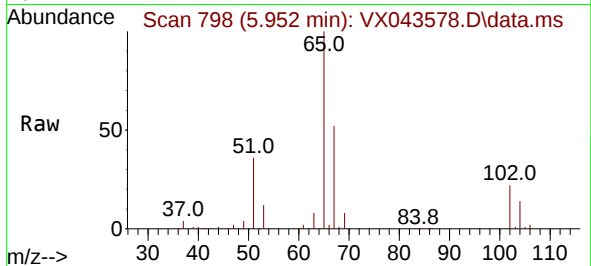




#33
 1,2-Dichloroethane-d4
 Concen: 44.767 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX043578.D
 Acq: 28 Oct 2024 21:05

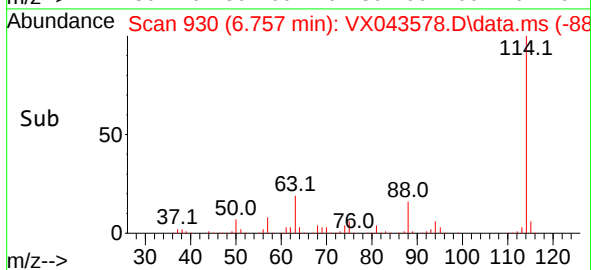
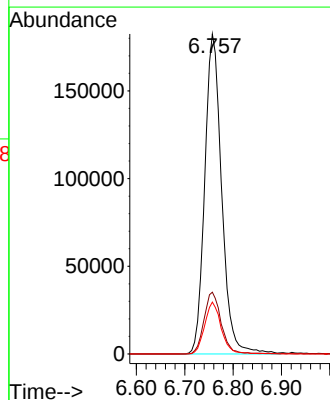
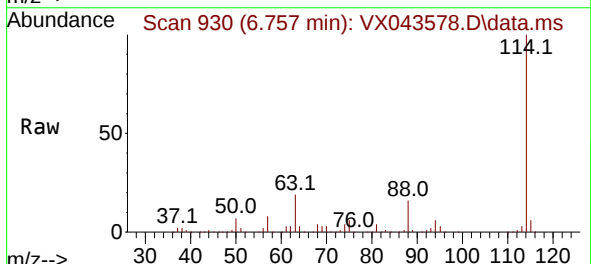
Instrument :
 MSVOA_X
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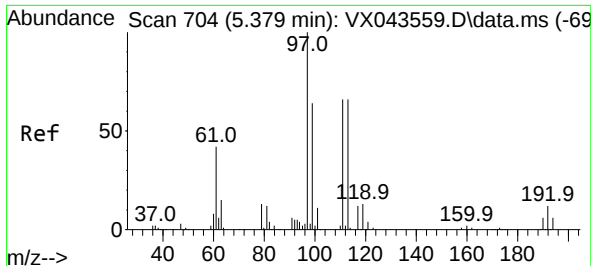
Tgt Ion: 65 Resp: 171681
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX043578.D
 Acq: 28 Oct 2024 21:05

Tgt Ion: 114 Resp: 444200
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.2
 88 16.2 0.0 34.0





#35

Dibromofluoromethane

Concen: 45.552 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX043578.D

Acq: 28 Oct 2024 21:05

Instrument :

MSVOA_X

ClientSampleId :

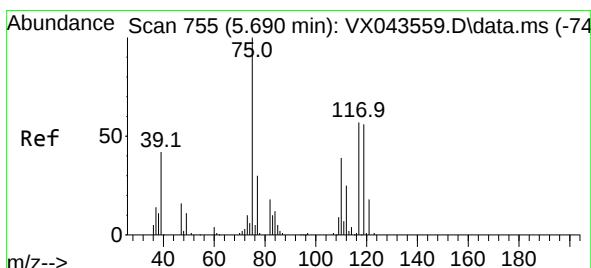
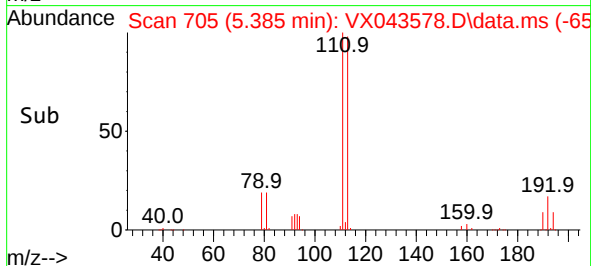
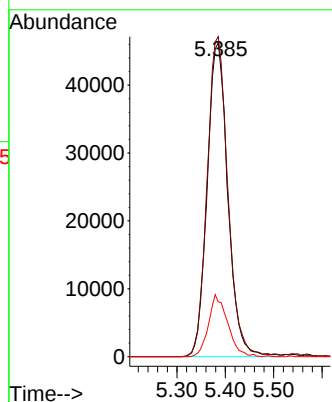
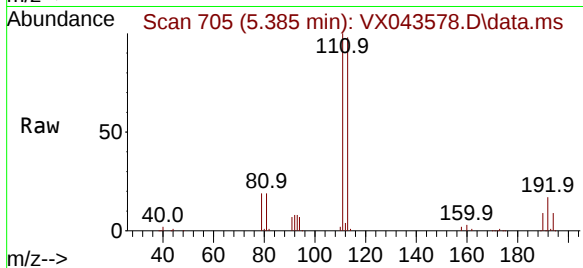
Tgt Ion:113 Resp: 137206

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 18.4 14.1 21.1



#36

1,1-Dichloropropene

Concen: 5.084 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX043578.D

Acq: 28 Oct 2024 21:05

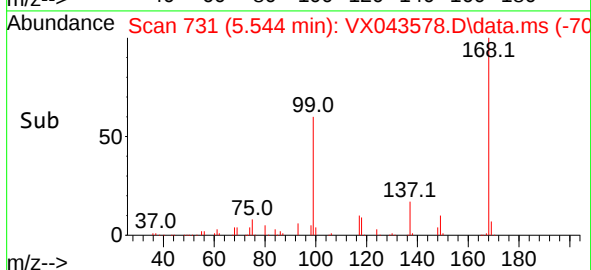
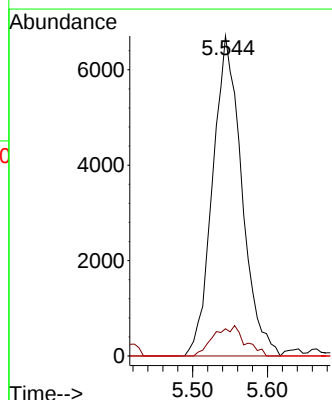
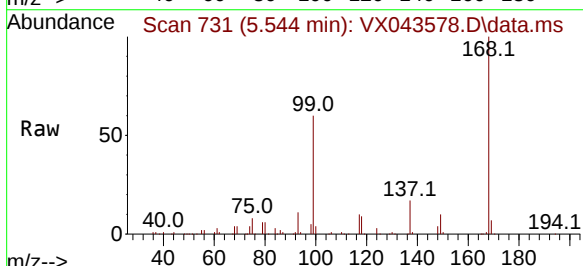
Tgt Ion: 75 Resp: 18160

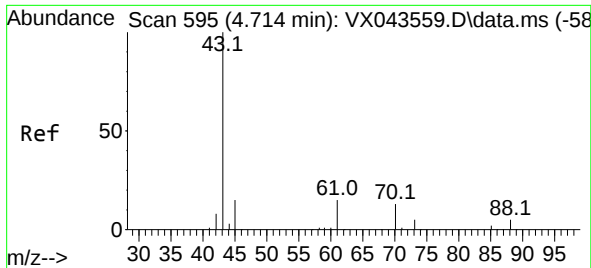
Ion Ratio Lower Upper

75 100

110 10.2 17.9 53.7#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.701 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.031 min

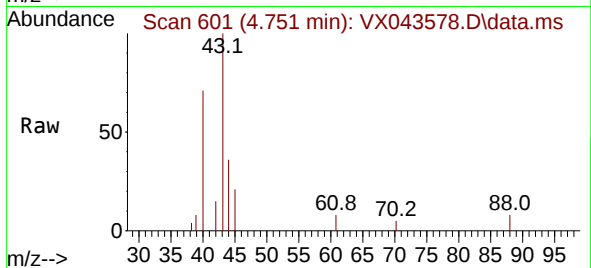
Lab File: VX043578.D

Acq: 28 Oct 2024 21:05

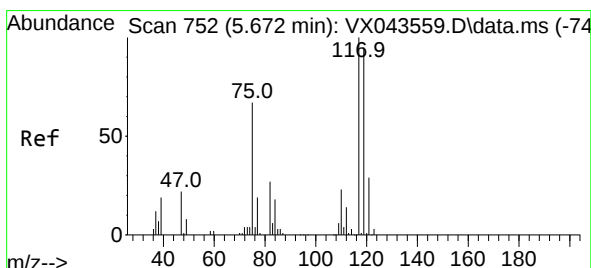
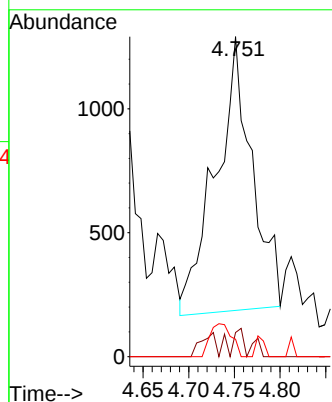
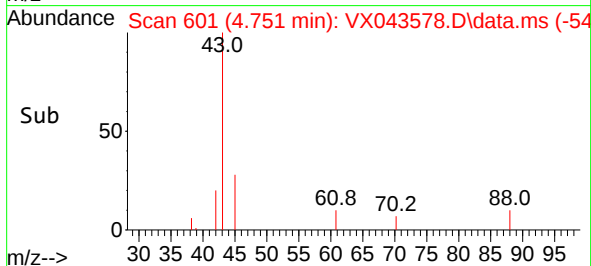
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	3041
Ion Ratio	100	Lower	Upper
61	5.2	11.0	16.6#
70	0.0	8.9	13.3#



#38

Carbon Tetrachloride

Concen: 6.194 ug/l

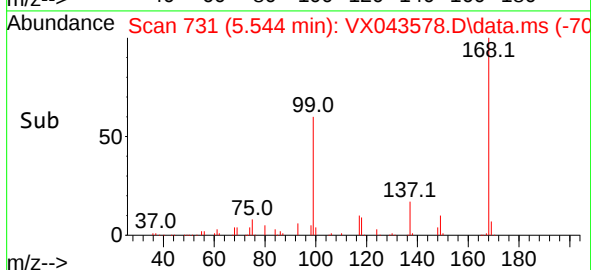
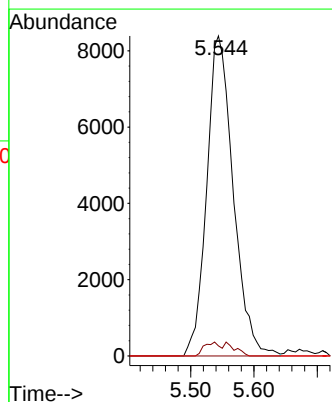
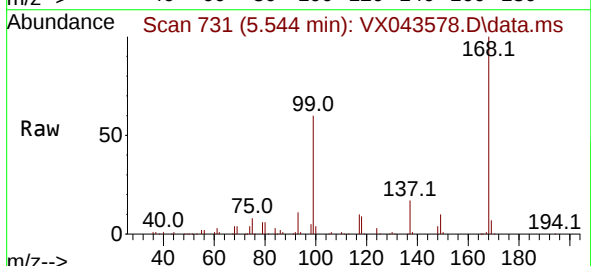
RT: 5.544 min Scan# 731

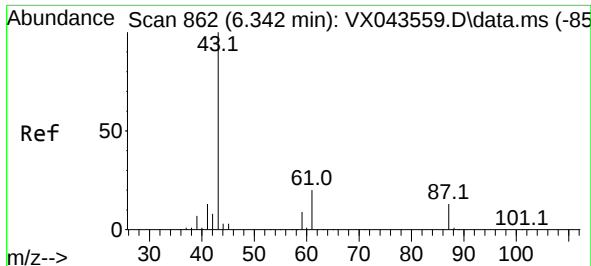
Delta R.T. -0.128 min

Lab File: VX043578.D

Acq: 28 Oct 2024 21:05

Tgt Ion:	117	Resp:	24445
Ion Ratio	100	Lower	Upper
119	3.2	77.0	115.6#
121	0.0	24.7	37.1#

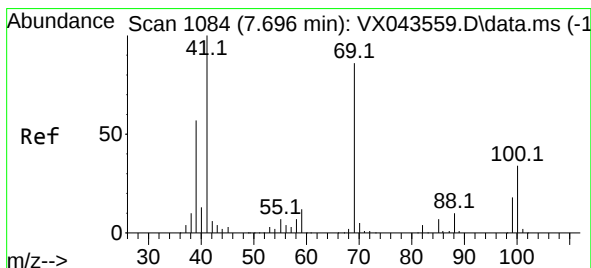
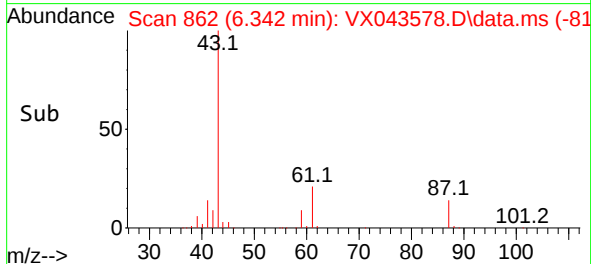
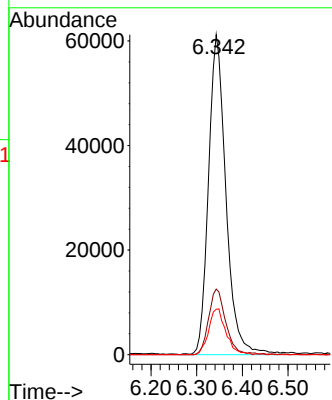
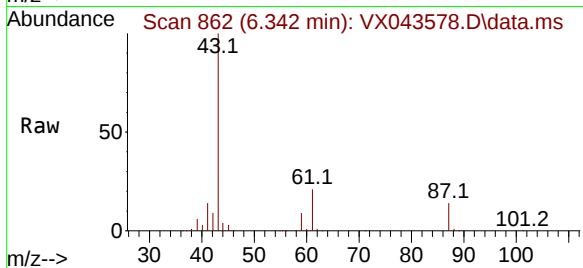




#43
Isopropyl Acetate
Concen: 22.632 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX043578.D
Acq: 28 Oct 2024 21:05

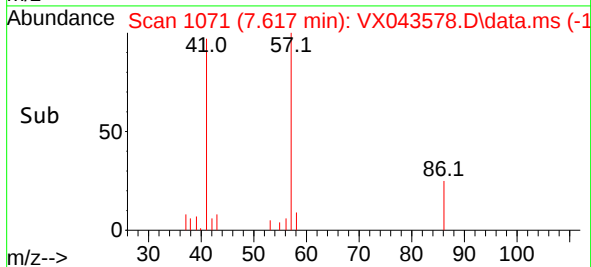
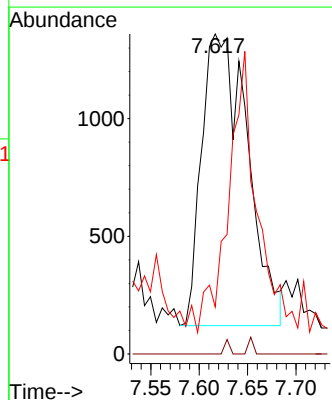
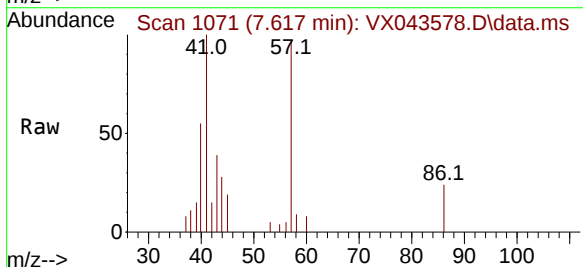
Instrument :
MSVOA_X
ClientSampleId :

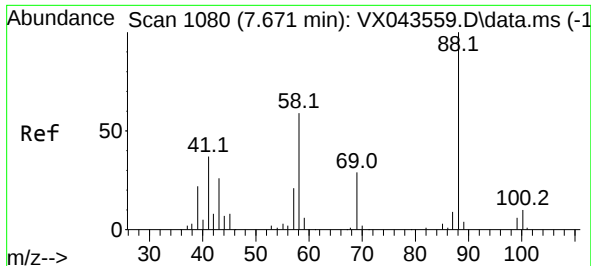
Tgt Ion: 43 Resp: 162290
Ion Ratio Lower Upper
43 100
61 19.8 16.2 24.4
87 14.1 11.0 16.6



#48
Methyl methacrylate
Concen: 1.201 ug/l
RT: 7.617 min Scan# 1071
Delta R.T. -0.079 min
Lab File: VX043578.D
Acq: 28 Oct 2024 21:05

Tgt Ion: 41 Resp: 4083
Ion Ratio Lower Upper
41 100
69 0.5 67.7 101.5#
39 0.0 46.3 69.5#





#49

1,4-Dioxane

Concen: 0.659 ug/l

RT: 7.653 min Scan# 1

Delta R.T. -0.018 min

Lab File: VX043578.D

Acq: 28 Oct 2024 21:05

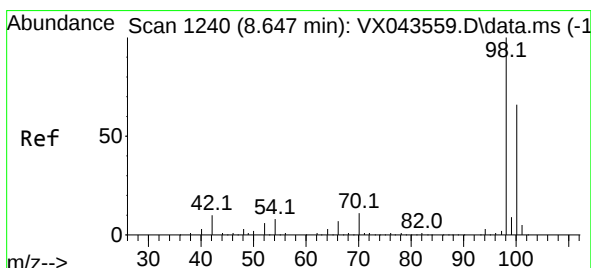
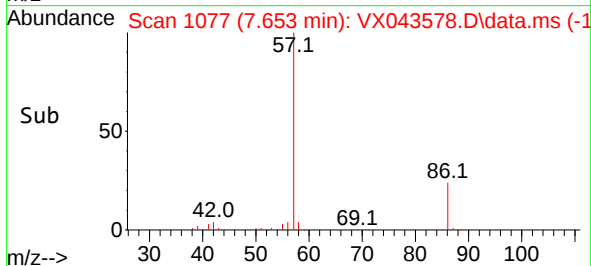
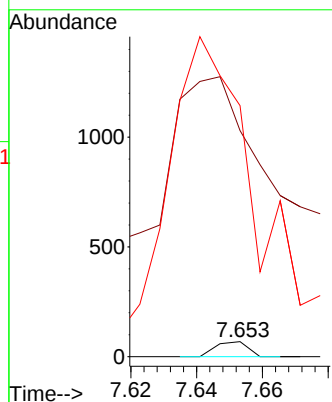
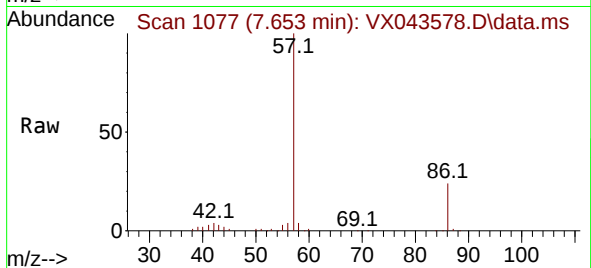
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 88 Resp: 46

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	6089.1	53.9	80.9#



#50

Toluene-d8

Concen: 49.200 ug/l

RT: 8.647 min Scan# 1240

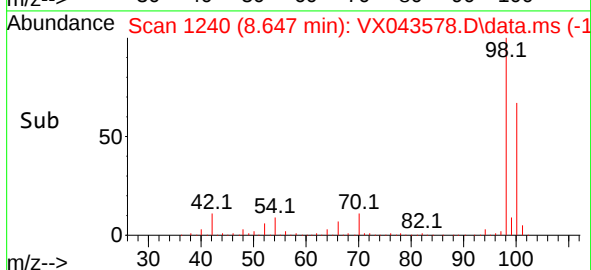
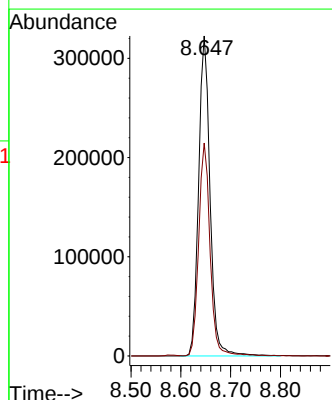
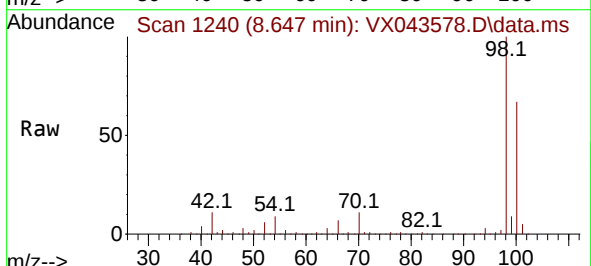
Delta R.T. 0.000 min

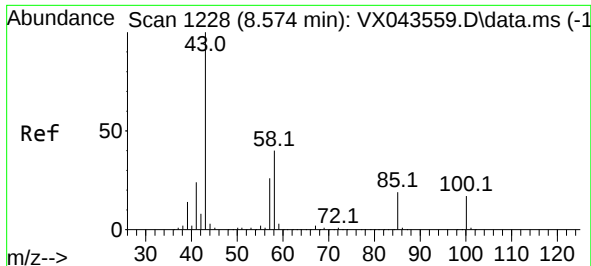
Lab File: VX043578.D

Acq: 28 Oct 2024 21:05

Tgt Ion: 98 Resp: 513001

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 28.253 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX043578.D

Acq: 28 Oct 2024 21:05

Instrument :

MSVOA_X

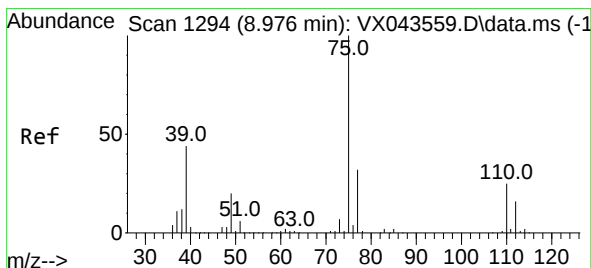
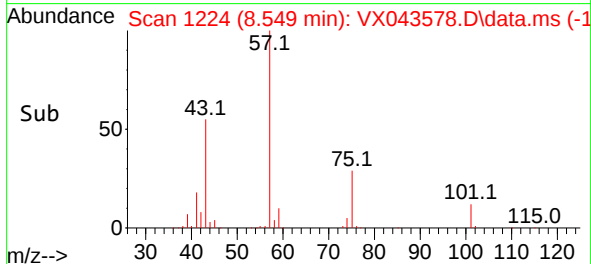
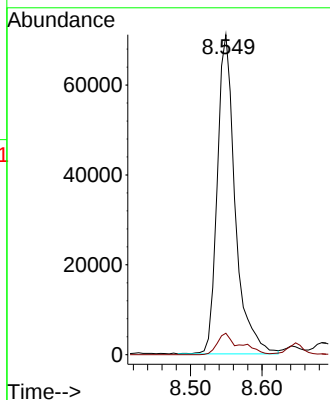
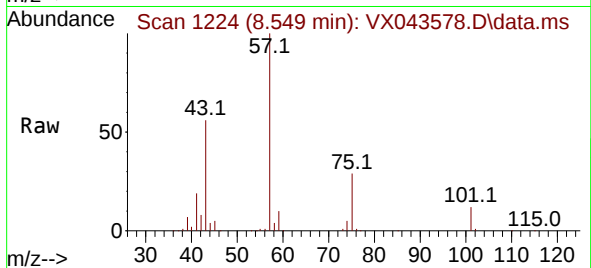
ClientSampleId :

Tgt Ion: 43 Resp: 123483

Ion Ratio Lower Upper

43 100

58 8.6 31.7 47.5#



#53

t-1,3-Dichloropropene

Concen: 0.267 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX043578.D

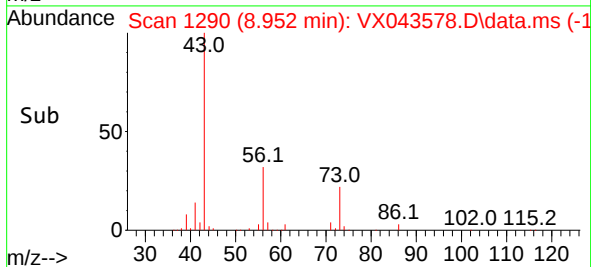
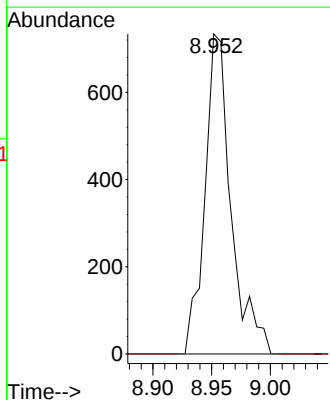
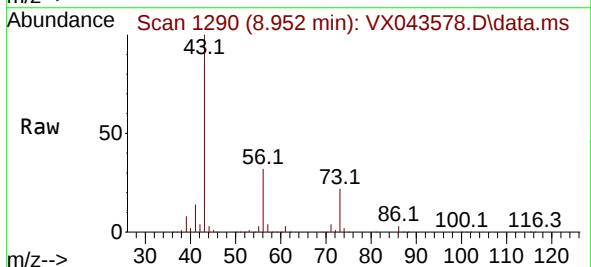
Acq: 28 Oct 2024 21:05

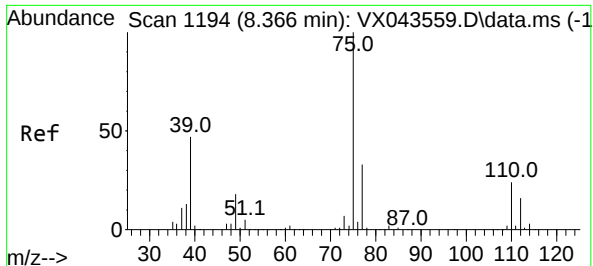
Tgt Ion: 75 Resp: 1137

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#

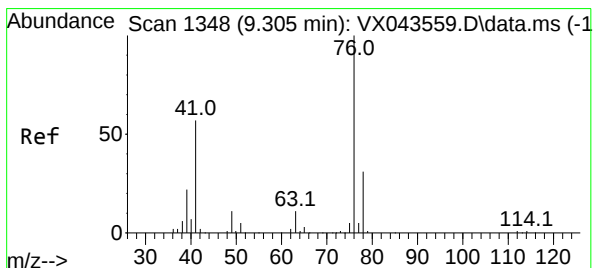
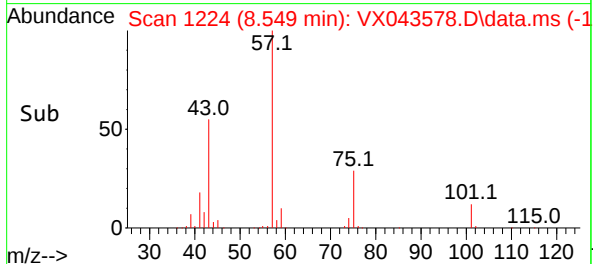
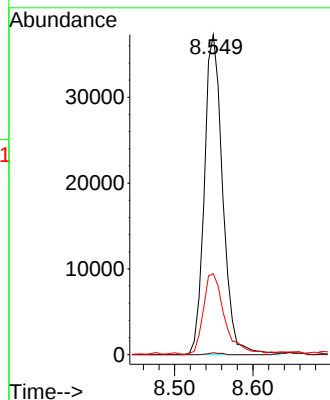
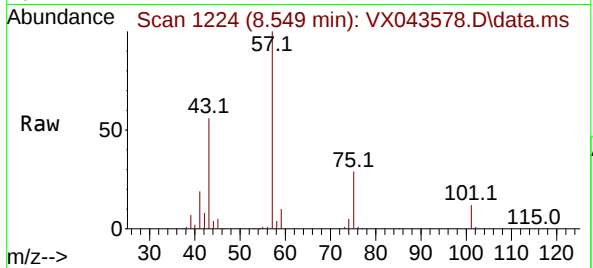




#54
 cis-1,3-Dichloropropene
 Concen: 13.374 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043578.D
 Acq: 28 Oct 2024 21:05

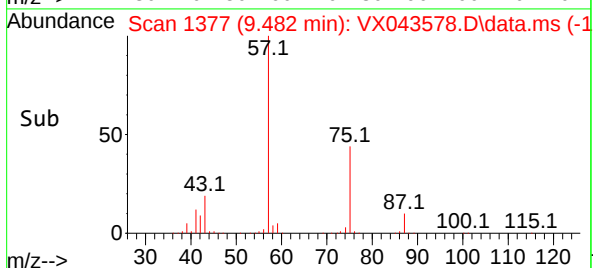
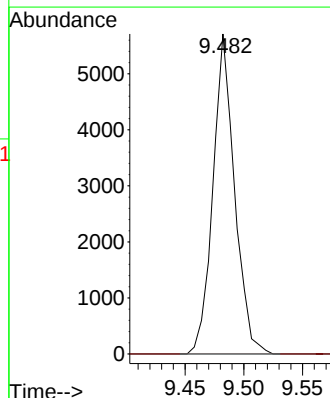
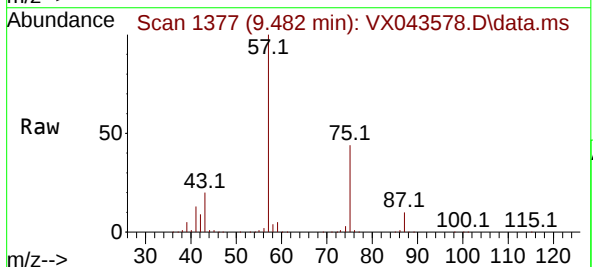
Instrument :
 MSVOA_X
 ClientSampleId :

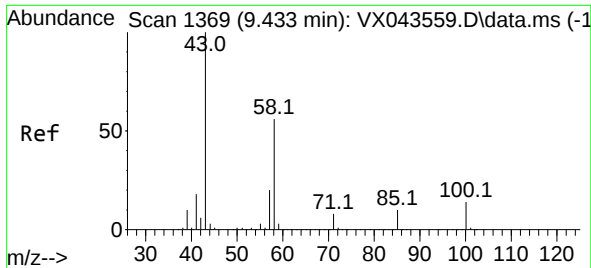
Tgt Ion: 75 Resp: 60653
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.8 37.2#
 39 25.0 37.7 56.5#



#57
 1,3-Dichloropropane
 Concen: 1.462 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX043578.D
 Acq: 28 Oct 2024 21:05

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

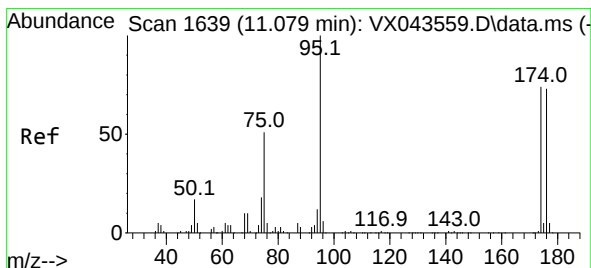
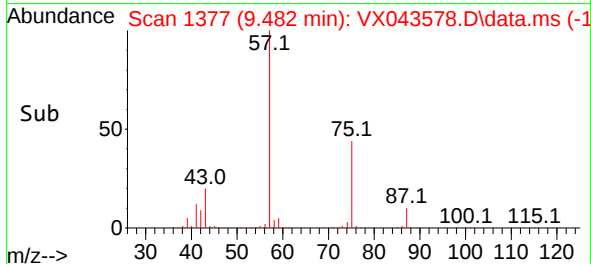
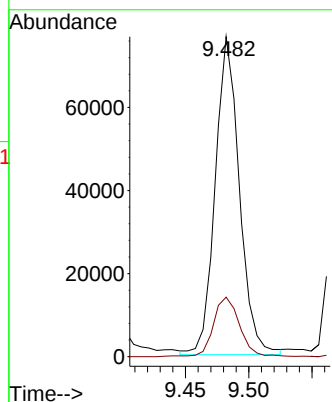
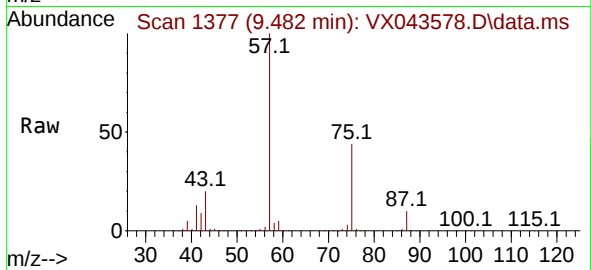




#59
2-Hexanone
Concen: 30.649 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX043578.D
Acq: 28 Oct 2024 21:05

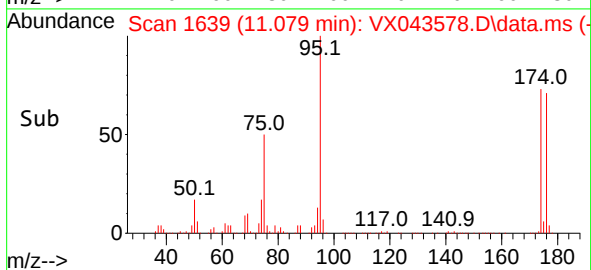
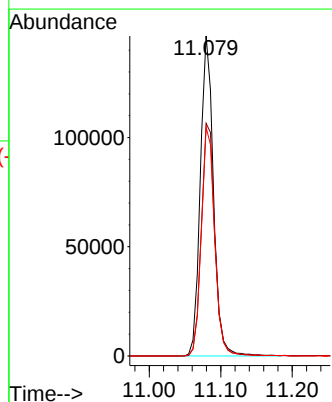
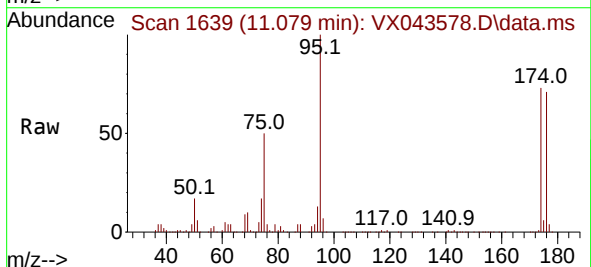
Instrument :
MSVOA_X
ClientSampleId :

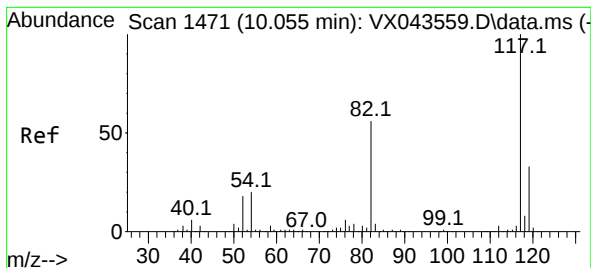
Tgt Ion: 43 Resp: 101739
Ion Ratio Lower Upper
43 100
58 20.4 27.5 82.5#



#62
4-Bromofluorobenzene
Concen: 48.376 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043578.D
Acq: 28 Oct 2024 21:05

Tgt Ion: 95 Resp: 186909
Ion Ratio Lower Upper
95 100
174 74.8 0.0 146.6
176 72.2 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: VX043578.D

Acq: 28 Oct 2024 21:05

Instrument :

MSVOA_X

ClientSampleId :

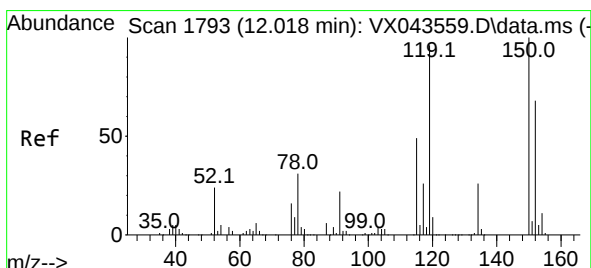
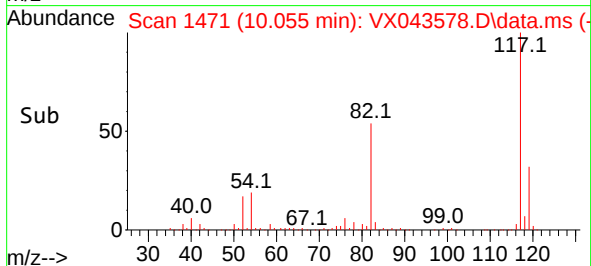
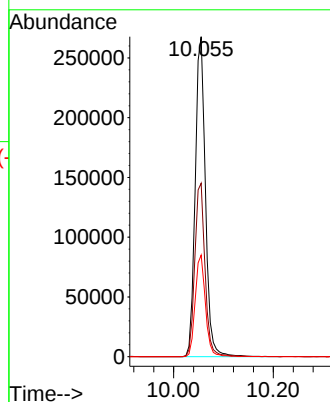
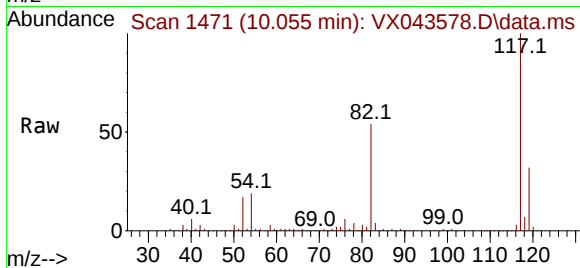
Tgt Ion:117 Resp: 380344

Ion Ratio Lower Upper

117 100

82 54.2 42.1 63.1

119 31.8 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX043578.D

Acq: 28 Oct 2024 21:05

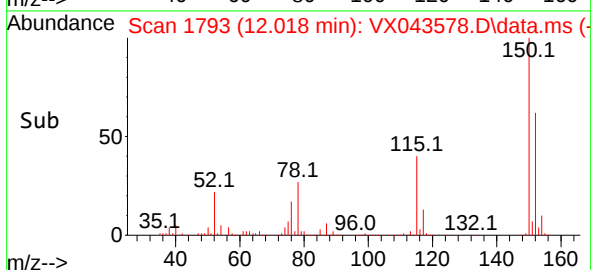
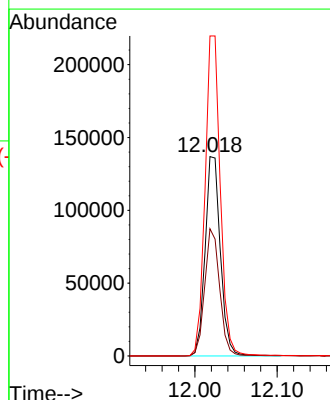
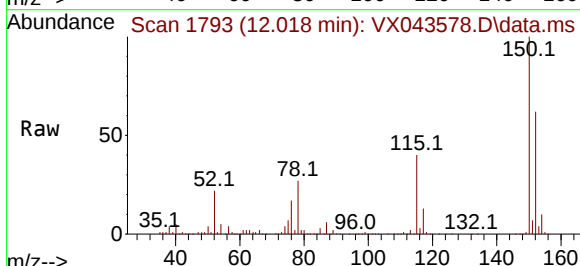
Tgt Ion:152 Resp: 176755

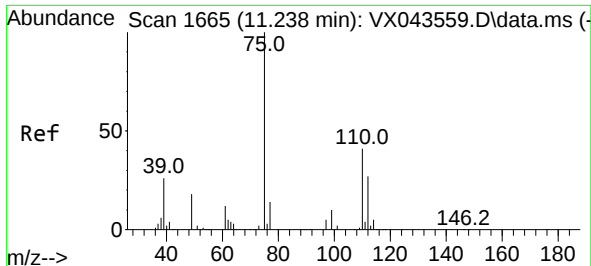
Ion Ratio Lower Upper

152 100

115 62.4 42.9 128.7

150 160.3 0.0 343.6

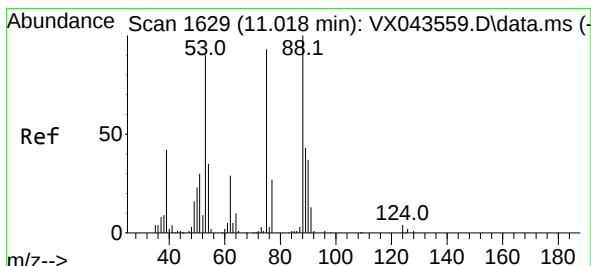
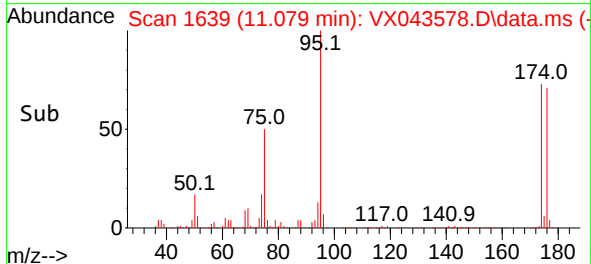
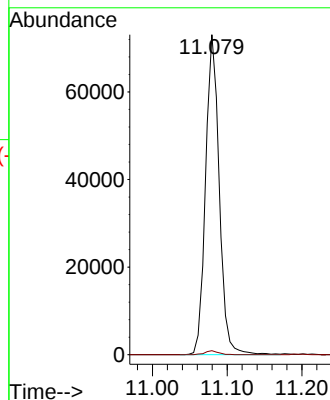
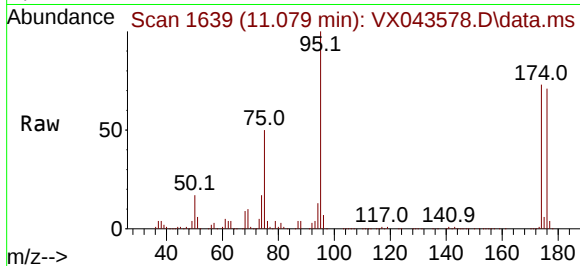




#76
1,2,3-Trichloropropane
Concen: 24.584 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043578.D
Acq: 28 Oct 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 92908
Ion Ratio Lower Upper
75 100
77 1.2 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.630 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043578.D
Acq: 28 Oct 2024 21:05

Tgt Ion: 75 Resp: 92908
Ion Ratio Lower Upper
75 100
53 0.0 84.6 126.8#
89 0.0 38.6 58.0#

