

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043576.D
 Acq On : 28 Oct 2024 20:19
 Operator : JC/MD
 Sample : PB164394ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB164394ZHE#08

Quant Time: Oct 29 03:30:41 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)

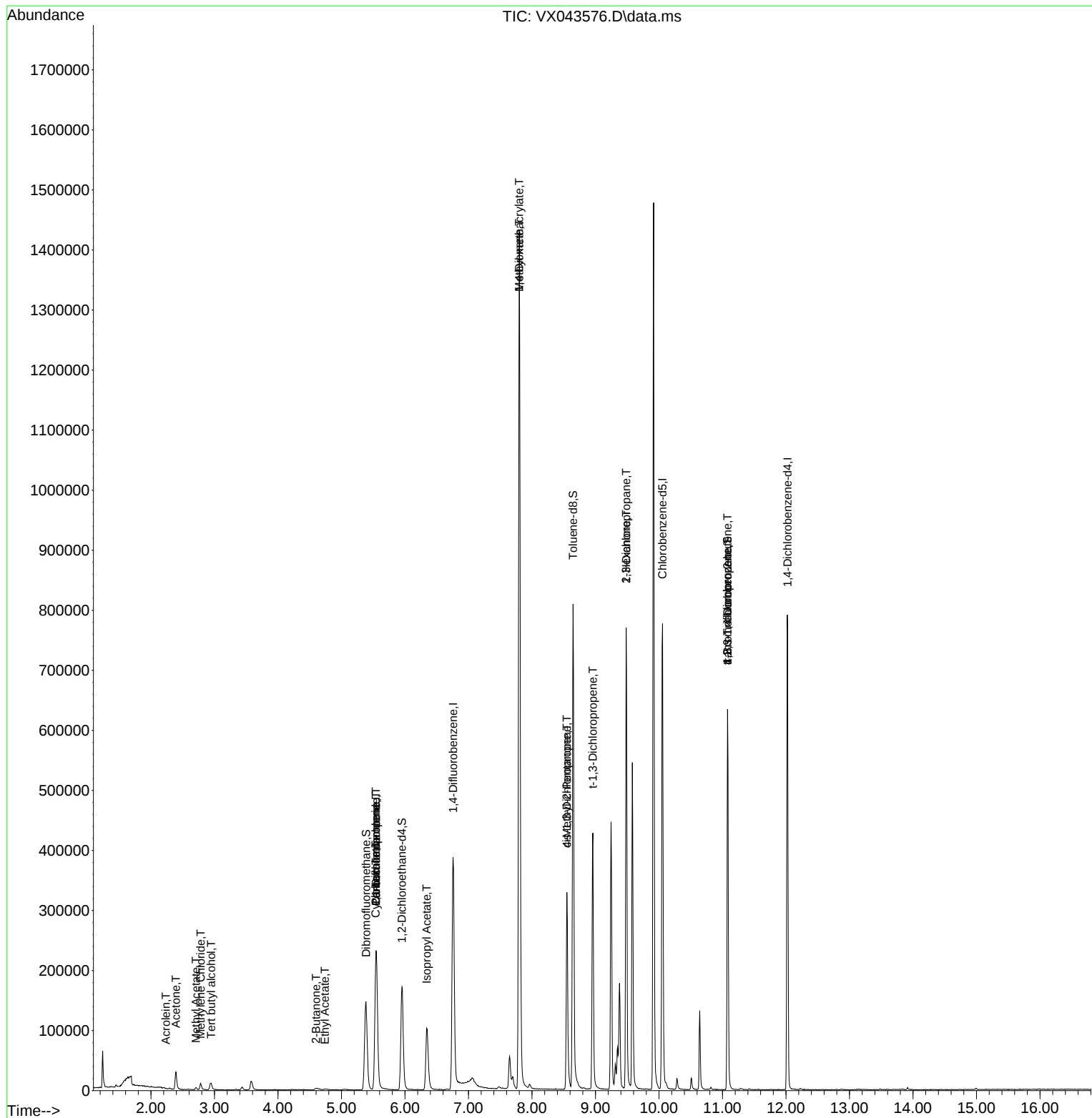
Internal Standards						
1) Pentafluorobenzene	5.544	168	229084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	423274	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	372481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	174855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	168431	46.110	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.220%
35) Dibromofluoromethane	5.385	113	131581	45.844	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.680%
50) Toluene-d8	8.647	98	497629	50.085	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.180%
62) 4-Bromofluorobenzene	11.079	95	183019	49.711	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.420%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	7013	10.286	ug/l #	100
13) Acrolein	2.233	56	185	0.347	ug/l	97
16) Acetone	2.392	43	34677	23.906	ug/l	93
18) Methyl Acetate	2.709	43	4506	1.063	ug/l	92
20) Methylene Chloride	2.782	84	5384	1.722	ug/l #	88
25) 2-Butanone	4.599	43	5000	2.363	ug/l #	85
31) Cyclohexane	5.538	56	4725	1.225	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	17735	5.211	ug/l #	51
37) Ethyl Acetate	4.739	43	2853	0.690	ug/l	97
38) Carbon Tetrachloride	5.544	117	23583	6.271	ug/l #	15
43) Isopropyl Acetate	6.342	43	154131	22.556	ug/l	99
48) Methyl methacrylate	7.800	41	126288	38.982	ug/l #	41
49) 1,4-Dioxane	7.800	88	307	4.612	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	118492	28.451	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	1135	0.280	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	57811	13.378	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	7460	1.565	ug/l #	44
59) 2-Hexanone	9.482	43	93639	29.603	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	89517	23.944	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	89517	65.870	ug/l #	7

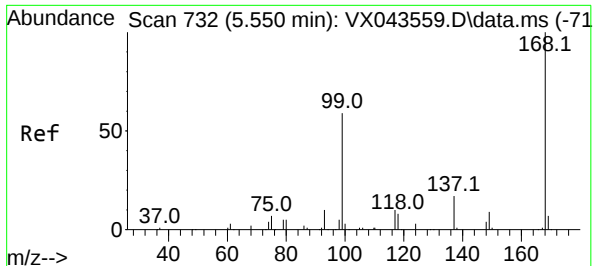
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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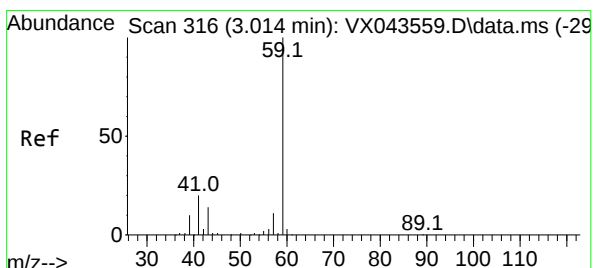
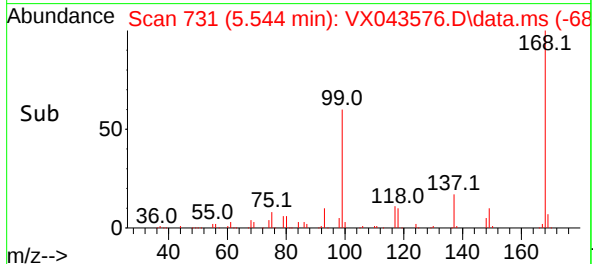
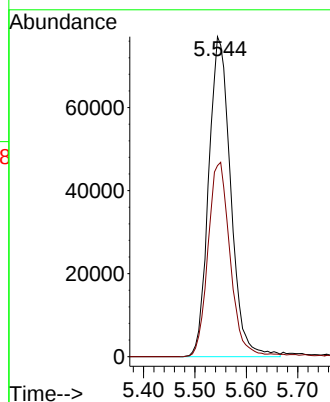
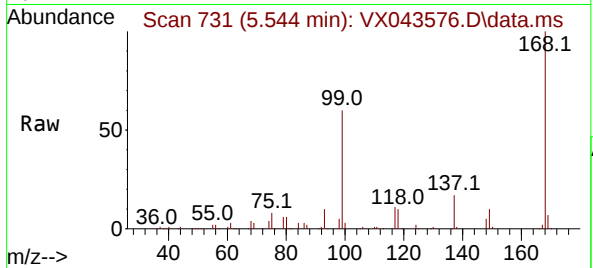




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043576.D
Acq: 28 Oct 2024 20:19

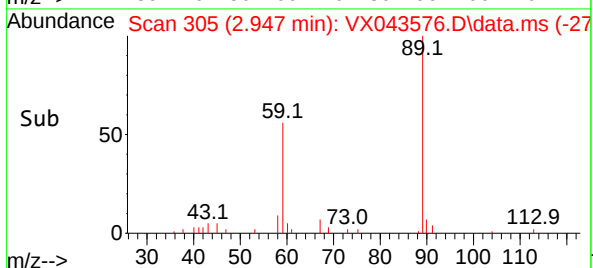
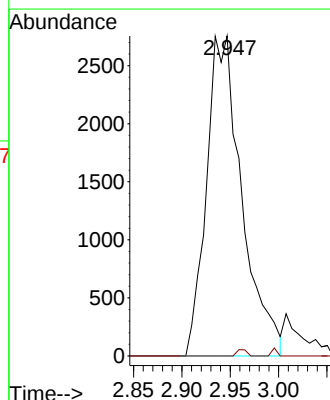
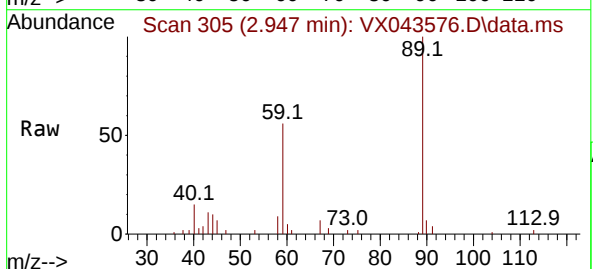
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#08

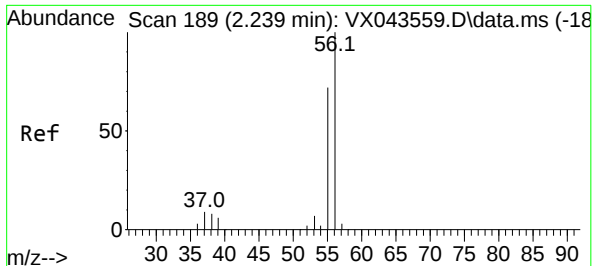
Tgt Ion:168 Resp: 229084
Ion Ratio Lower Upper
168 100
99 59.7 52.6 78.8



#11
Tert butyl alcohol
Concen: 10.286 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.103 min
Lab File: VX043576.D
Acq: 28 Oct 2024 20:19

Tgt Ion: 59 Resp: 7013
Ion Ratio Lower Upper
59 100
57 0.5 0.0 0.0#

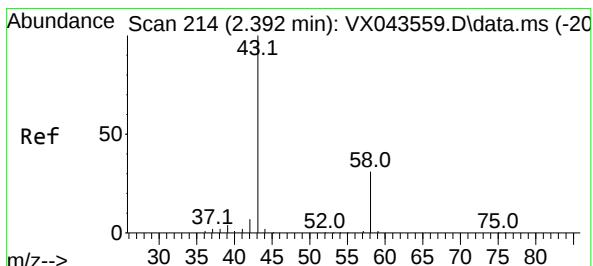
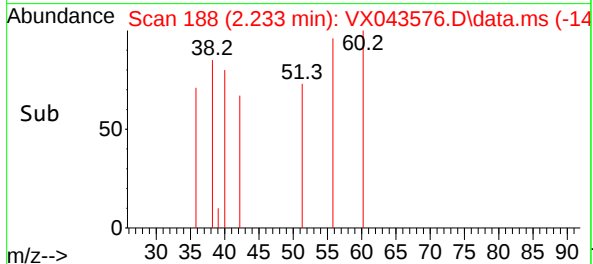
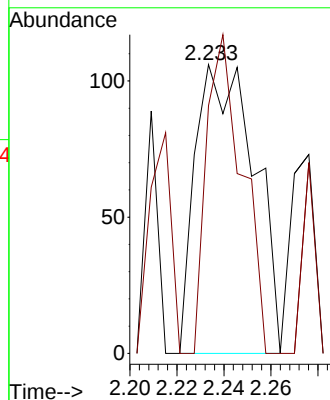
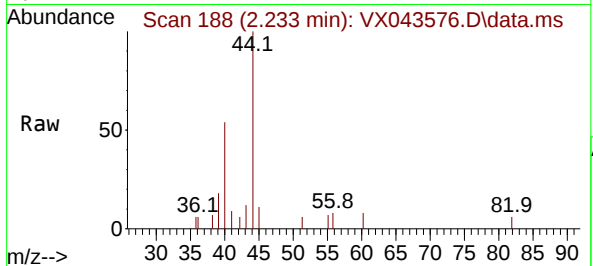




#13
Acrolein
Concen: 0.347 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX043576.D
Acq: 28 Oct 2024 20:19

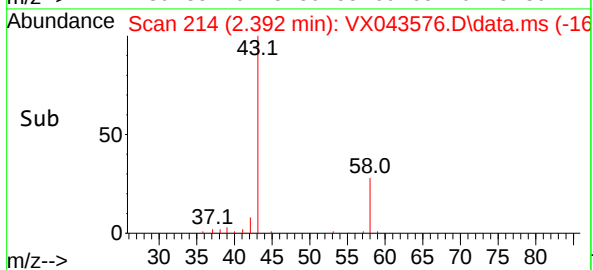
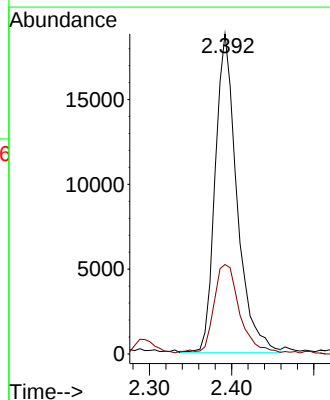
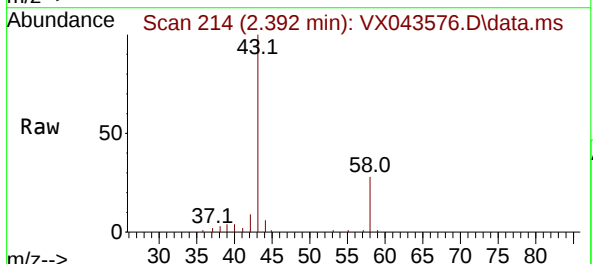
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#08

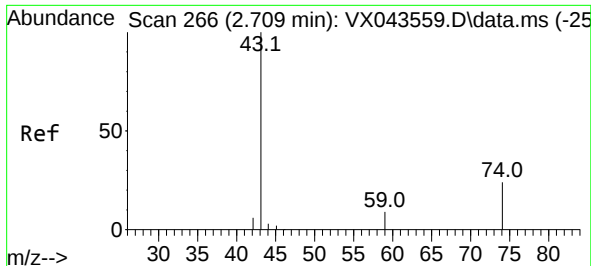
Tgt Ion: 56 Resp: 185
Ion Ratio Lower Upper
56 100
55 67.0 55.3 82.9



#16
Acetone
Concen: 23.906 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043576.D
Acq: 28 Oct 2024 20:19

Tgt Ion: 43 Resp: 34677
Ion Ratio Lower Upper
43 100
58 27.6 25.1 37.7

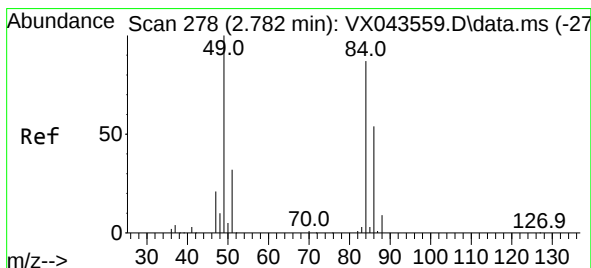
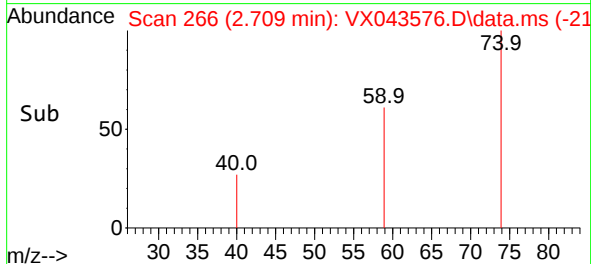
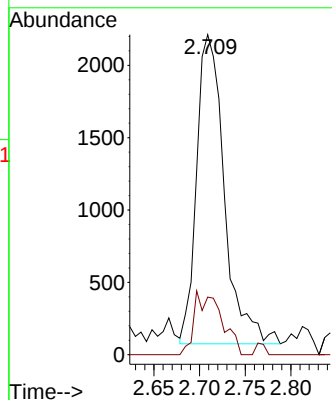
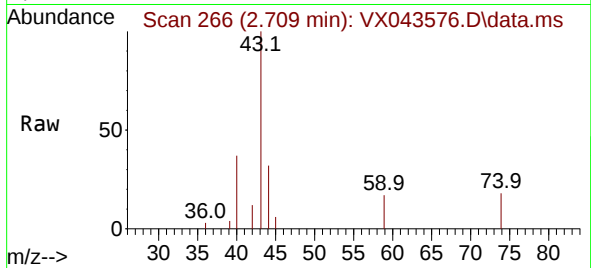




#18
Methyl Acetate
Concen: 1.063 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043576.D
Acq: 28 Oct 2024 20:19

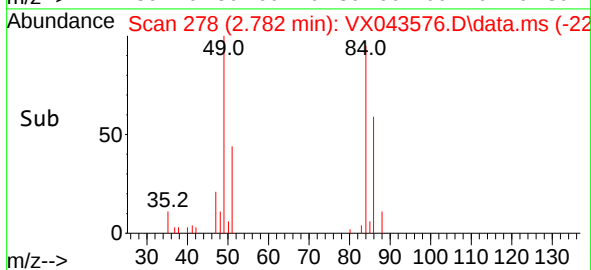
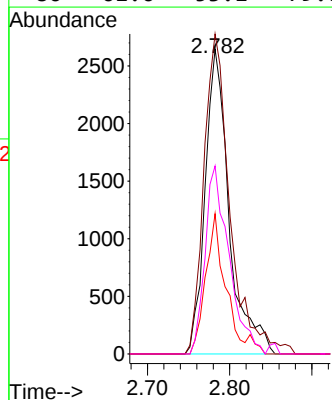
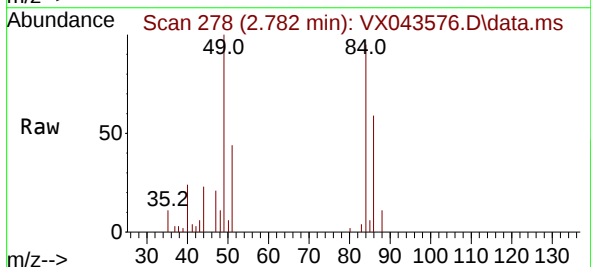
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#08

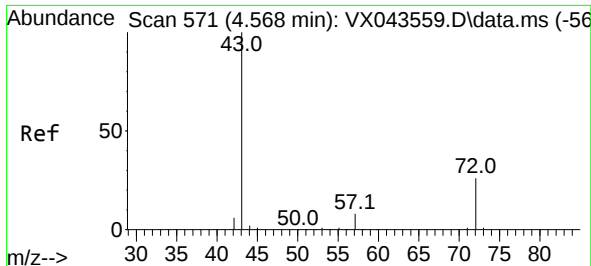
Tgt Ion: 43 Resp: 4506
Ion Ratio Lower Upper
43 100
74 20.0 19.1 28.7



#20
Methylene Chloride
Concen: 1.722 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043576.D
Acq: 28 Oct 2024 20:19

Tgt Ion: 84 Resp: 5384
Ion Ratio Lower Upper
84 100
49 104.9 97.0 145.6
51 46.0 29.8 44.8#
86 61.6 53.1 79.7





#25

2-Butanone

Concen: 2.363 ug/l

RT: 4.599 min Scan# 51

Delta R.T. 0.031 min

Lab File: VX043576.D

Acq: 28 Oct 2024 20:19

Instrument :

MSVOA_X

ClientSampleId :

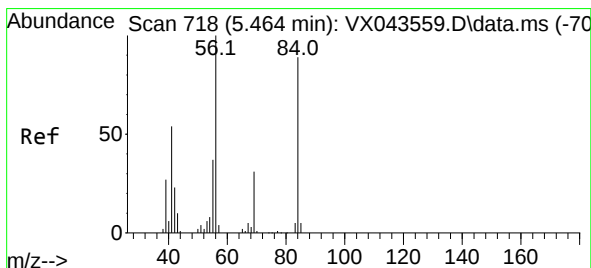
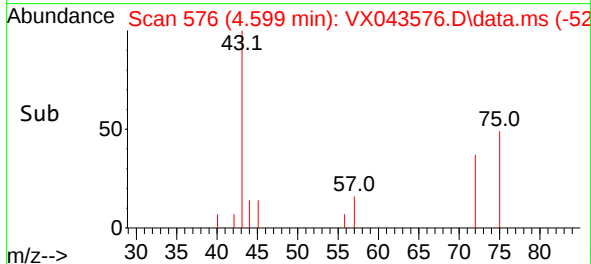
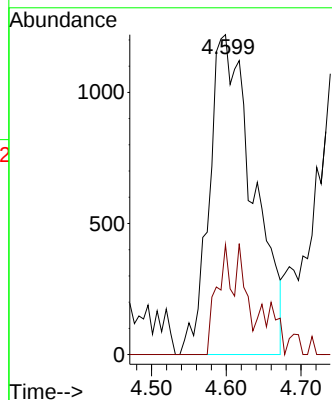
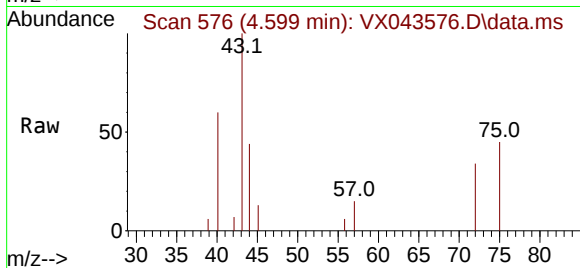
PB164394ZHE#08

Tgt Ion: 43 Resp: 5000

Ion Ratio Lower Upper

43 100

72 34.3 21.1 31.7#



#31

Cyclohexane

Concen: 1.225 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.080 min

Lab File: VX043576.D

Acq: 28 Oct 2024 20:19

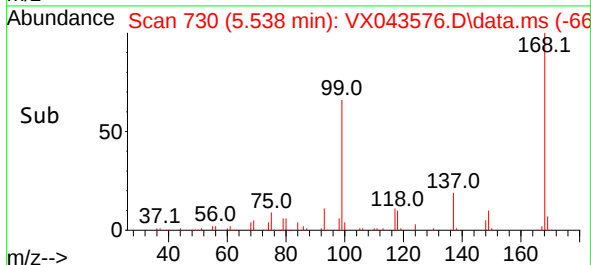
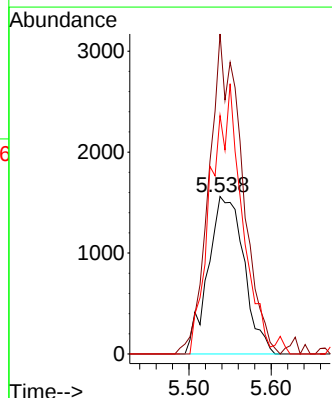
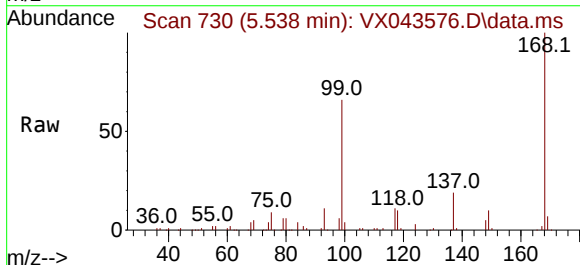
Tgt Ion: 56 Resp: 4725

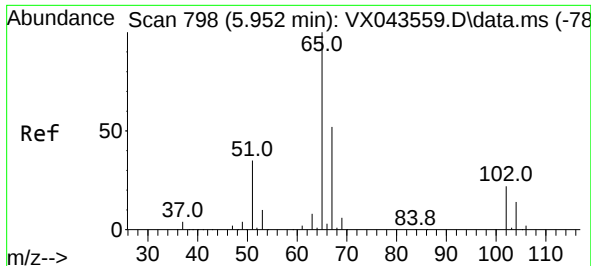
Ion Ratio Lower Upper

56 100

69 203.3 24.9 37.3#

84 151.5 73.3 109.9#





#33

1,2-Dichloroethane-d4

Concen: 46.110 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043576.D

Acq: 28 Oct 2024 20:19

Instrument :

MSVOA_X

ClientSampleId :

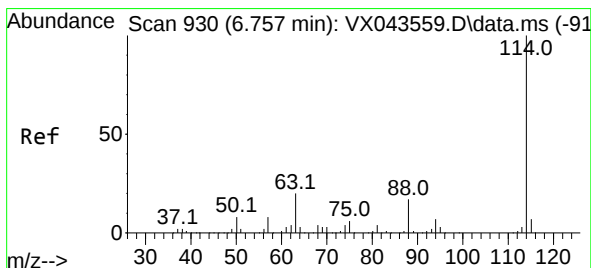
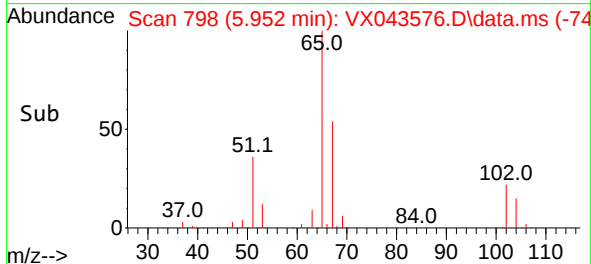
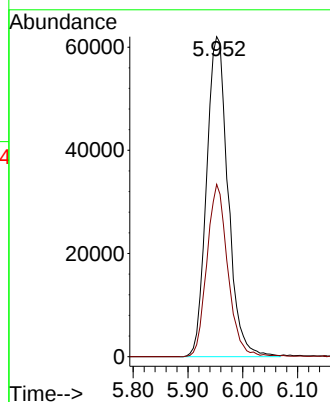
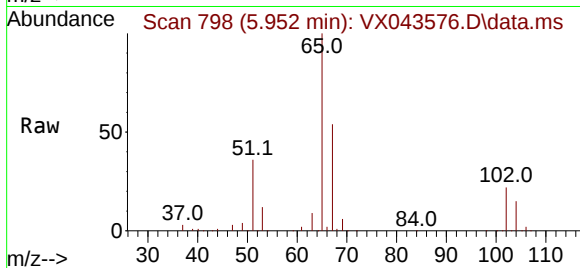
PB164394ZHE#08

Tgt Ion: 65 Resp: 168431

Ion Ratio Lower Upper

65 100

67 52.6 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: VX043576.D

Acq: 28 Oct 2024 20:19

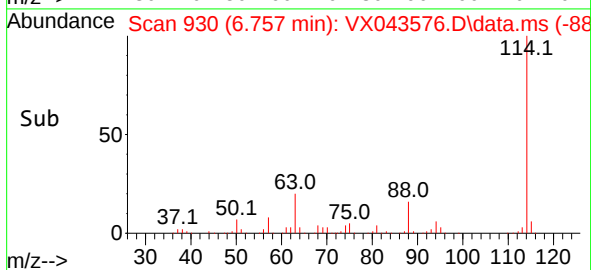
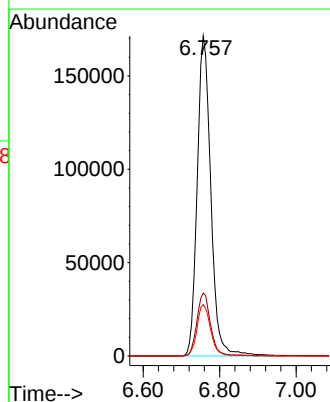
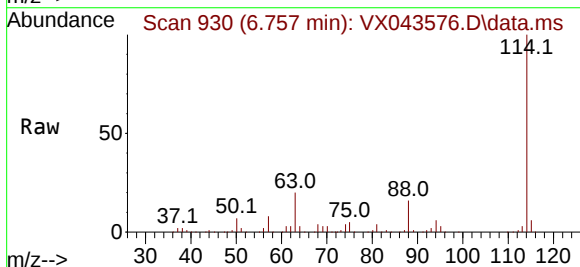
Tgt Ion: 114 Resp: 423274

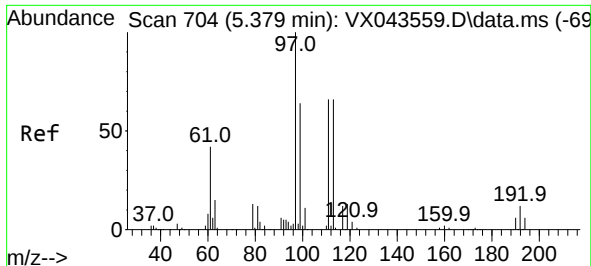
Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.2

88 16.1 0.0 34.0

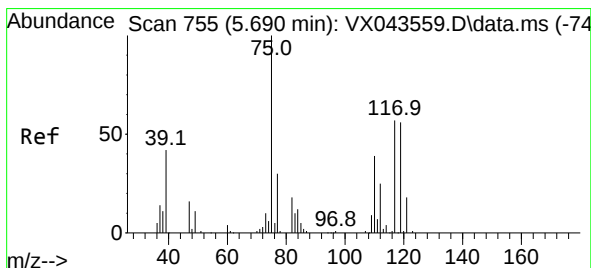
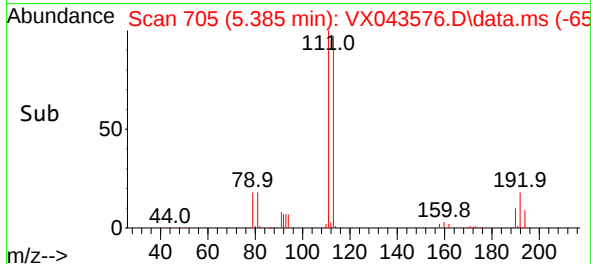
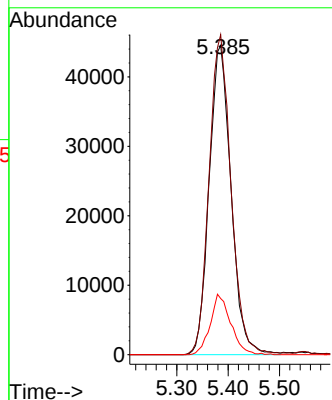
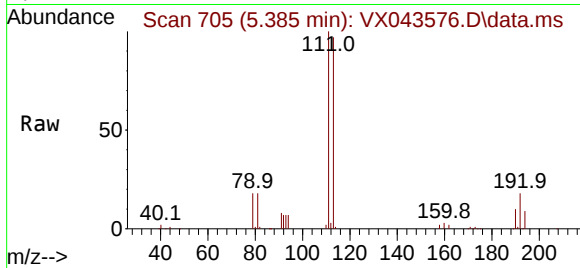




#35
Dibromofluoromethane
Concen: 45.844 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043576.D
Acq: 28 Oct 2024 20:19

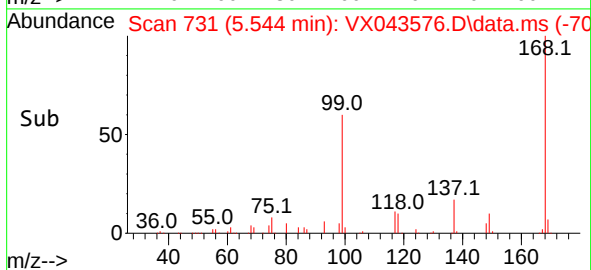
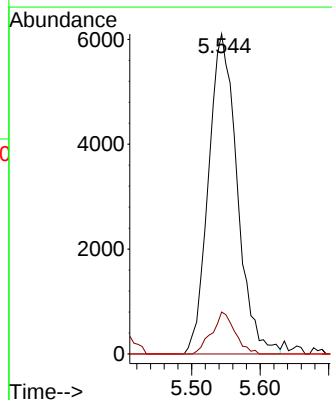
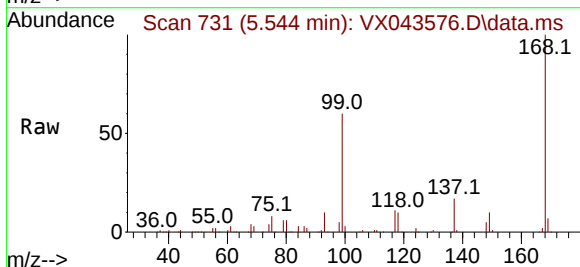
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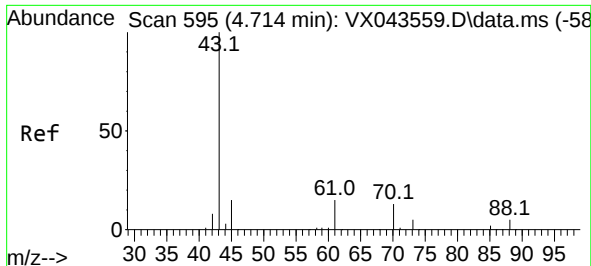
Tgt Ion:113 Resp: 131581
Ion Ratio Lower Upper
113 100
111 103.9 81.4 122.0
192 18.3 14.1 21.1



#36
1,1-Dichloropropene
Concen: 5.211 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX043576.D
Acq: 28 Oct 2024 20:19

Tgt Ion: 75 Resp: 17735
Ion Ratio Lower Upper
75 100
110 10.5 17.9 53.7#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.690 ug/l

RT: 4.739 min Scan# 595

Delta R.T. 0.019 min

Lab File: VX043576.D

Acq: 28 Oct 2024 20:19

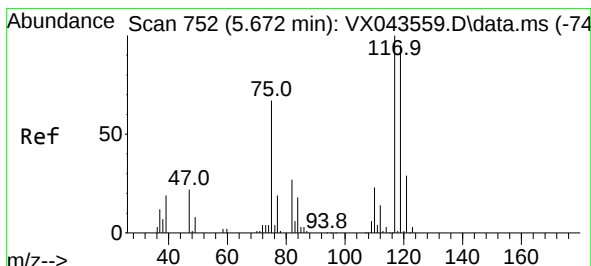
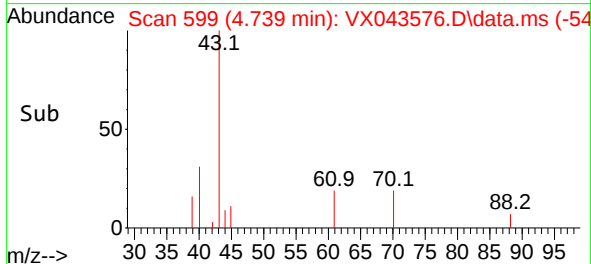
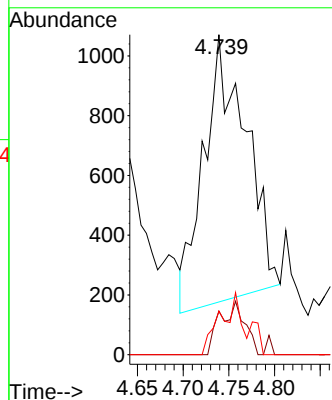
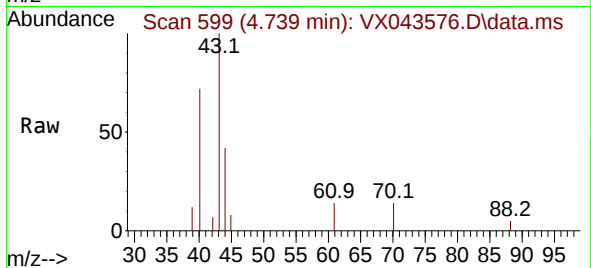
Instrument :

MSVOA_X

ClientSampleId :

PB164394ZHE#08

Tgt Ion: 43	Resp: 2853
Ion Ratio	Lower Upper
43	100
61	11.8 11.0 16.6
70	11.4 8.9 13.3



#38

Carbon Tetrachloride

Concen: 6.271 ug/l

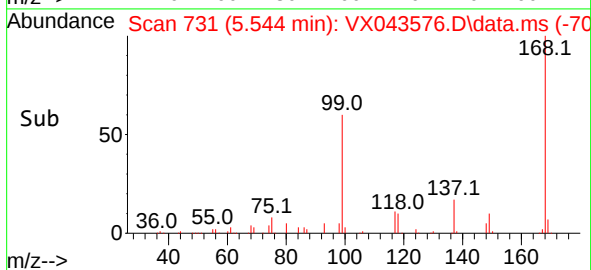
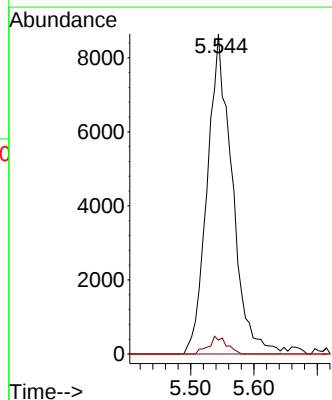
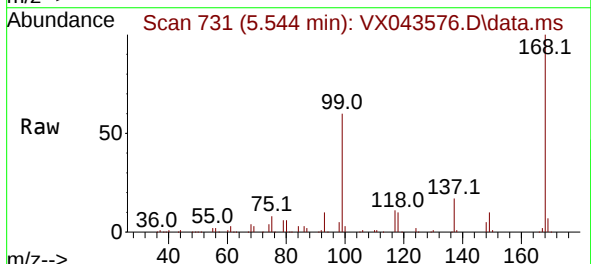
RT: 5.544 min Scan# 731

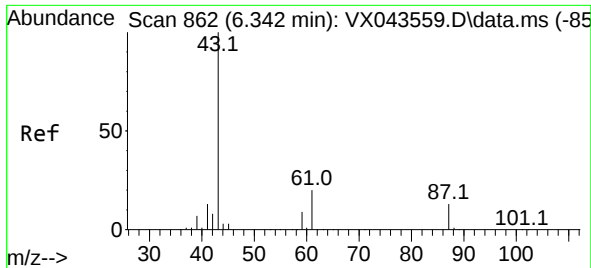
Delta R.T. -0.128 min

Lab File: VX043576.D

Acq: 28 Oct 2024 20:19

Tgt Ion: 117	Resp: 23583
Ion Ratio	Lower Upper
117	100
119	4.3 77.0 115.6#
121	0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 22.556 ug/l

RT: 6.342 min Scan# 8

Delta R.T. 0.000 min

Lab File: VX043576.D

Acq: 28 Oct 2024 20:19

Instrument :

MSVOA_X

ClientSampleId :

PB164394ZHE#08

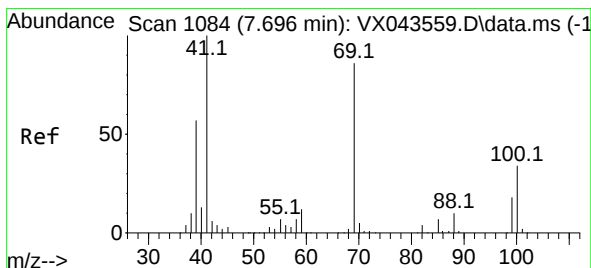
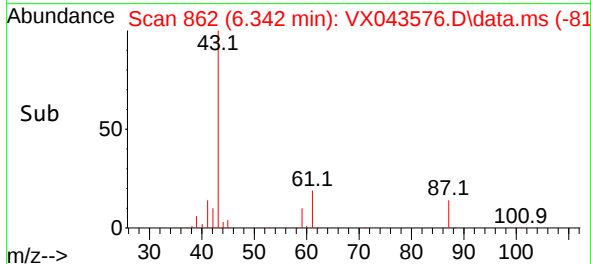
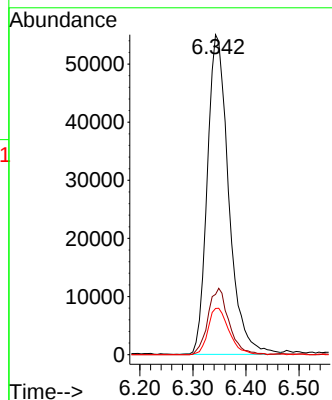
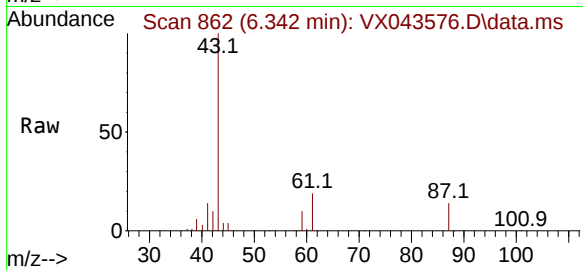
Tgt Ion: 43 Resp: 154131

Ion Ratio Lower Upper

43 100

61 20.3 16.2 24.4

87 14.3 11.0 16.6



#48

Methyl methacrylate

Concen: 38.982 ug/l

RT: 7.800 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX043576.D

Acq: 28 Oct 2024 20:19

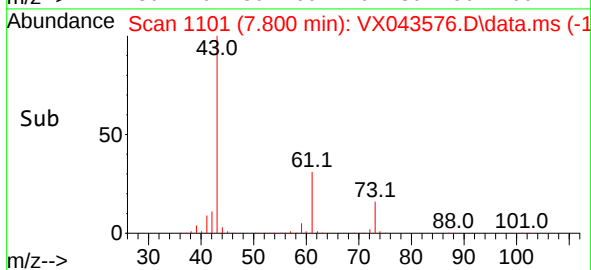
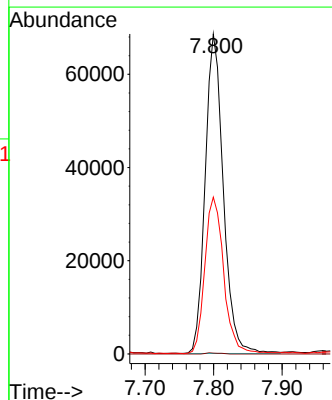
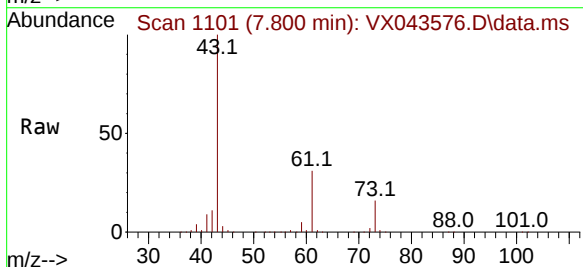
Tgt Ion: 41 Resp: 126288

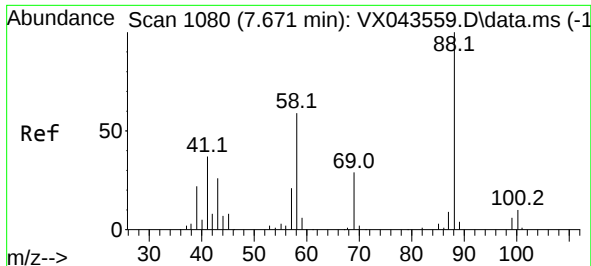
Ion Ratio Lower Upper

41 100

69 0.3 67.7 101.5#

39 51.1 46.3 69.5





#49

1,4-Dioxane

Concen: 4.612 ug/l

RT: 7.800 min Scan# 1101

Delta R.T. 0.128 min

Lab File: VX043576.D

Acq: 28 Oct 2024 20:19

Instrument :

MSVOA_X

ClientSampleId :

PB164394ZHE#08

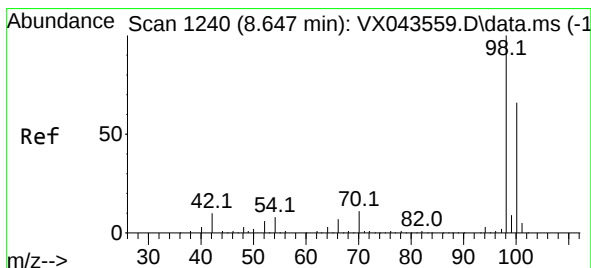
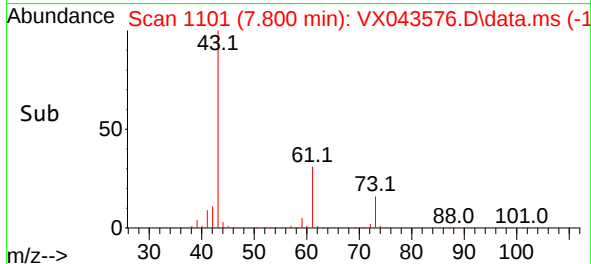
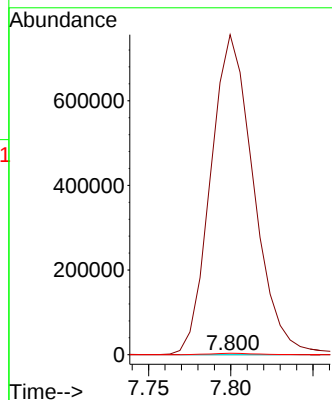
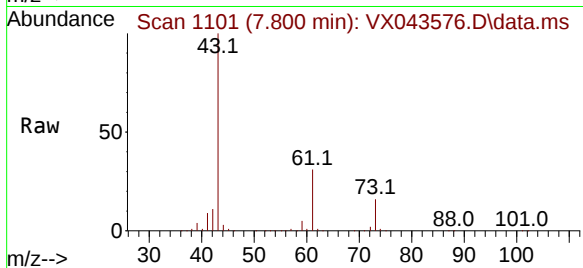
Tgt Ion: 88 Resp: 307

Ion Ratio Lower Upper

88 100

43 453057.0 25.3 37.9#

58 2021.8 53.9 80.9#



#50

Toluene-d8

Concen: 50.085 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043576.D

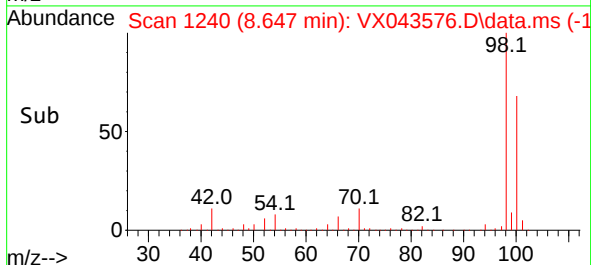
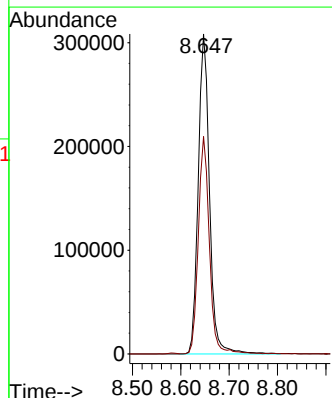
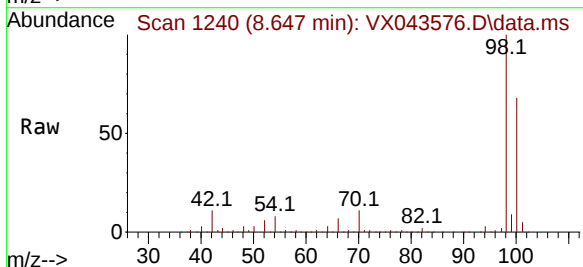
Acq: 28 Oct 2024 20:19

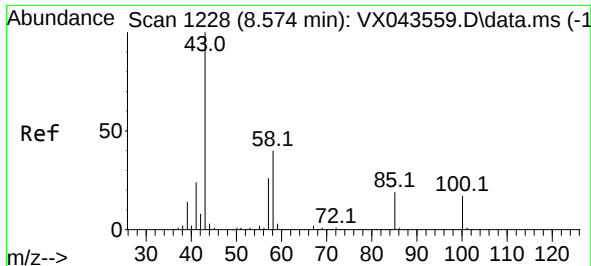
Tgt Ion: 98 Resp: 497629

Ion Ratio Lower Upper

98 100

100 66.8 53.4 80.2





#51

4-Methyl-2-Pentanone

Concen: 28.451 ug/l

RT: 8.549 min Scan# 1184

Delta R.T. -0.030 min

Lab File: VX043576.D

Acq: 28 Oct 2024 20:19

Instrument :

MSVOA_X

ClientSampleId :

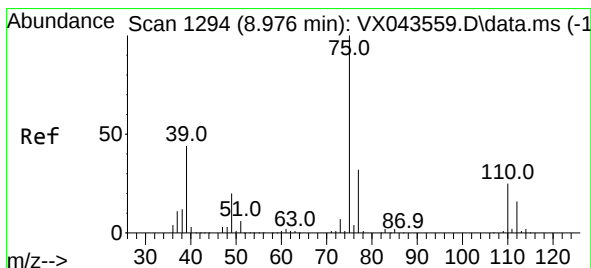
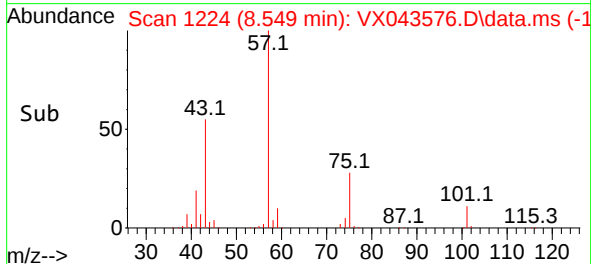
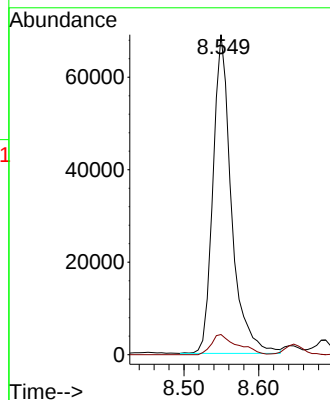
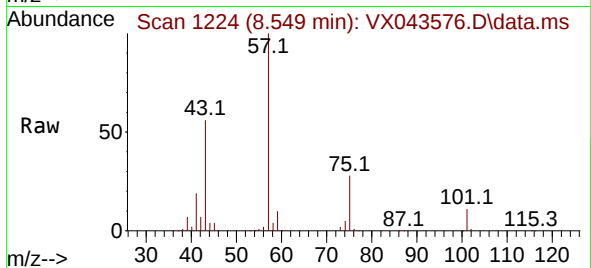
PB164394ZHE#08

Tgt Ion: 43 Resp: 118492

Ion Ratio Lower Upper

43 100

58 8.9 31.7 47.5#



#53

t-1,3-Dichloropropene

Concen: 0.280 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.018 min

Lab File: VX043576.D

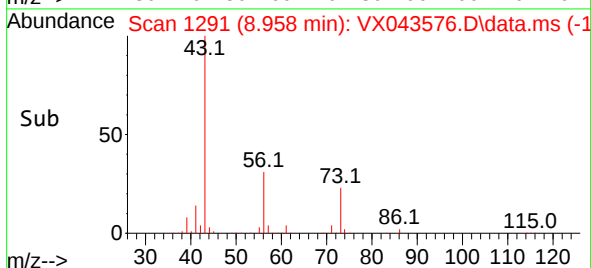
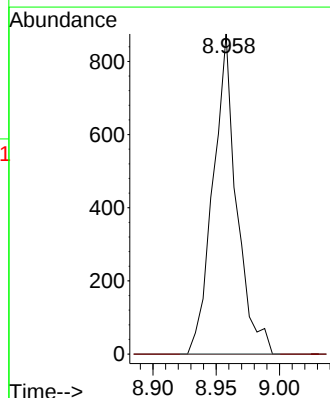
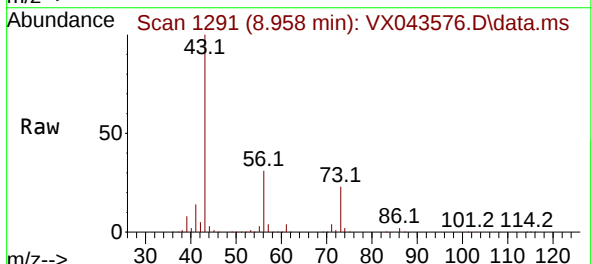
Acq: 28 Oct 2024 20:19

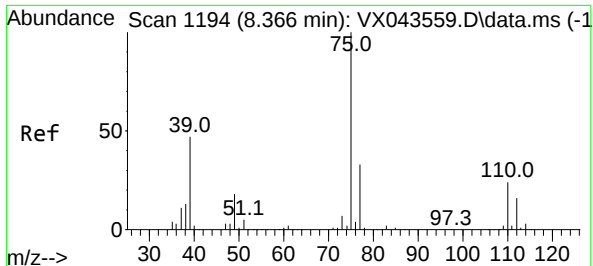
Tgt Ion: 75 Resp: 1135

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#

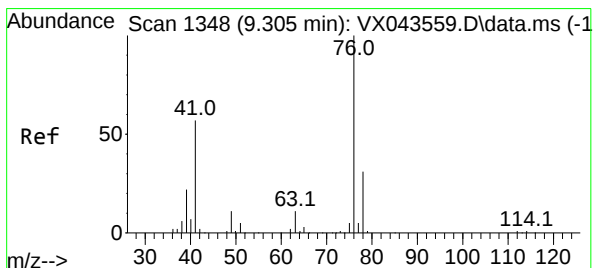
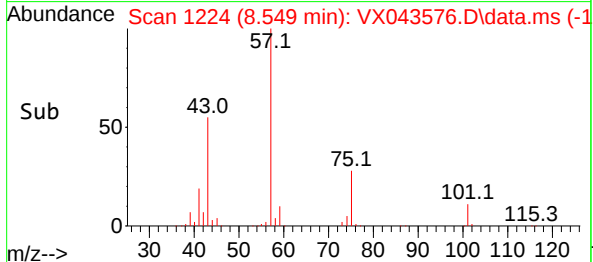
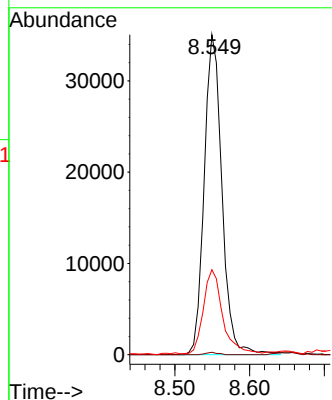
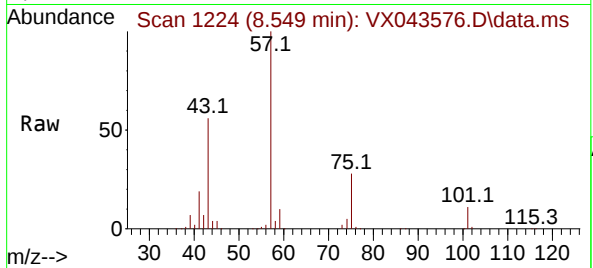




#54
 cis-1,3-Dichloropropene
 Concen: 13.378 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043576.D
 Acq: 28 Oct 2024 20:19

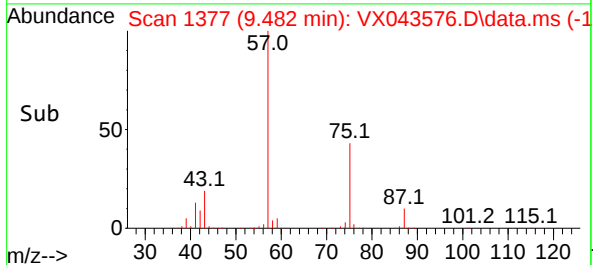
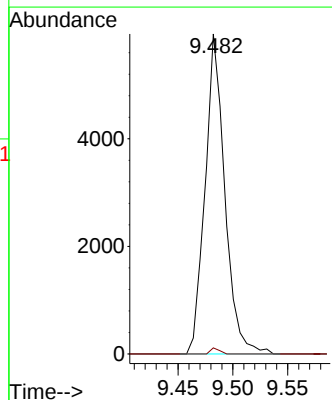
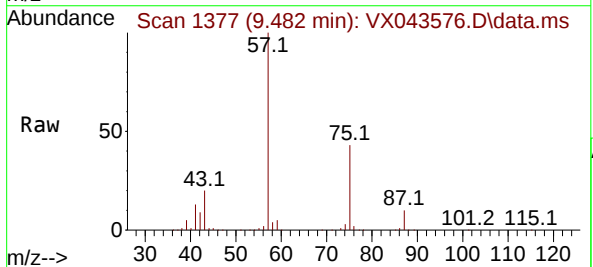
Instrument :
 MSVOA_X
 ClientSampleId :
 PB164394ZHE#08

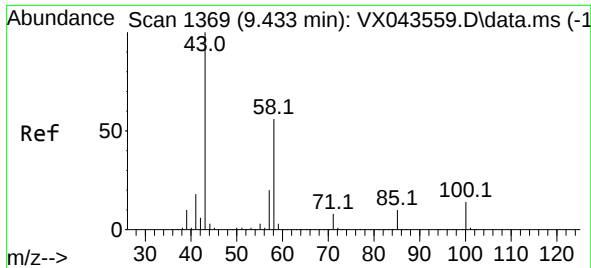
Tgt Ion: 75 Resp: 57811
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.8 37.2#
 39 26.3 37.7 56.5#



#57
 1,3-Dichloropropane
 Concen: 1.565 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX043576.D
 Acq: 28 Oct 2024 20:19

Tgt Ion: 76 Resp: 7460
 Ion Ratio Lower Upper
 76 100
 78 0.9 25.9 38.9#

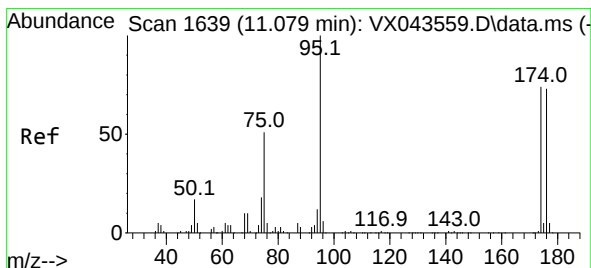
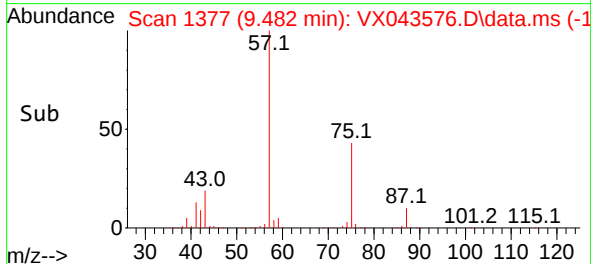
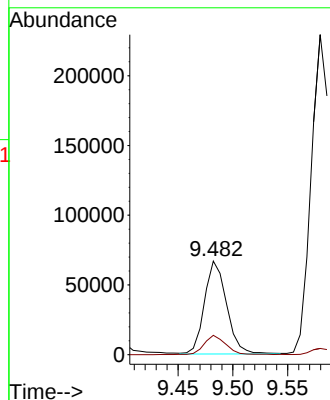
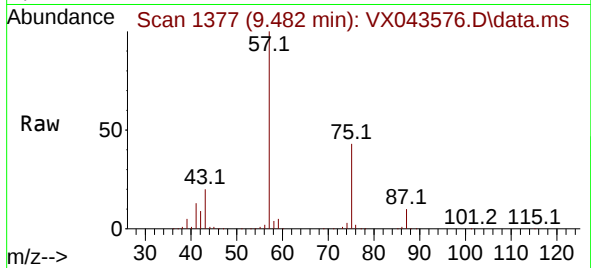




#59
2-Hexanone
Concen: 29.603 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX043576.D
Acq: 28 Oct 2024 20:19

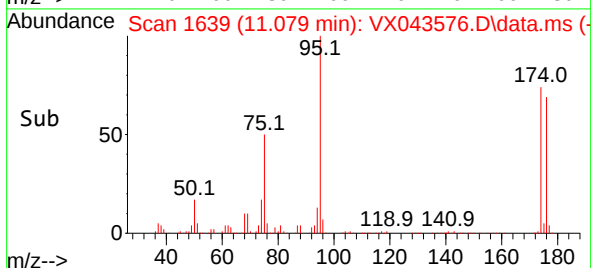
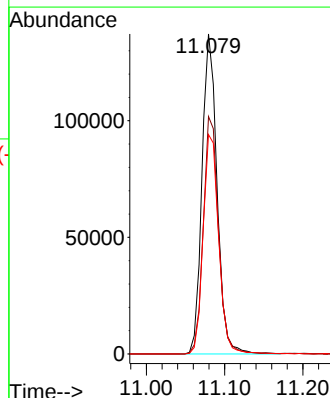
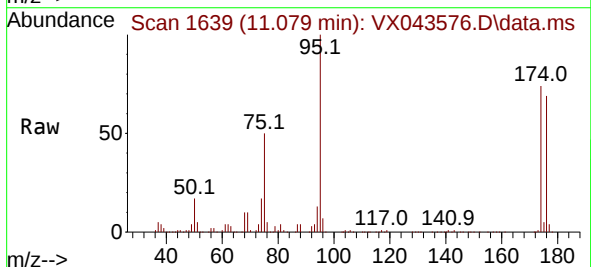
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#08

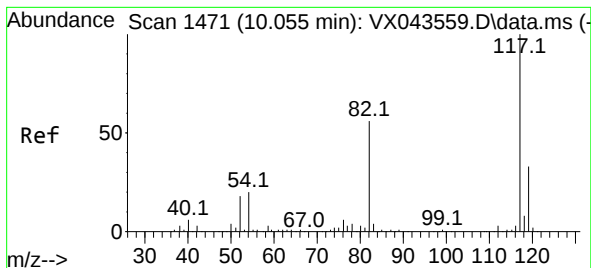
Tgt Ion: 43 Resp: 93639
Ion Ratio Lower Upper
43 100
58 20.9 27.5 82.5#



#62
4-Bromofluorobenzene
Concen: 49.711 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043576.D
Acq: 28 Oct 2024 20:19

Tgt Ion: 95 Resp: 183019
Ion Ratio Lower Upper
95 100
174 75.0 0.0 146.6
176 70.7 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: VX043576.D

Acq: 28 Oct 2024 20:19

Instrument :

MSVOA_X

ClientSampleId :

PB164394ZHE#08

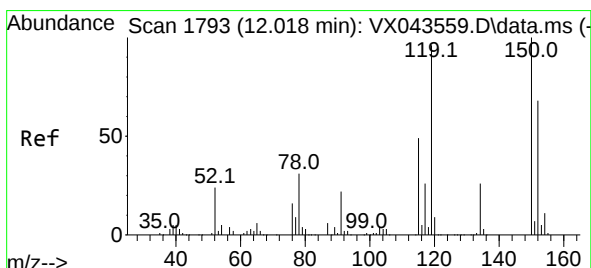
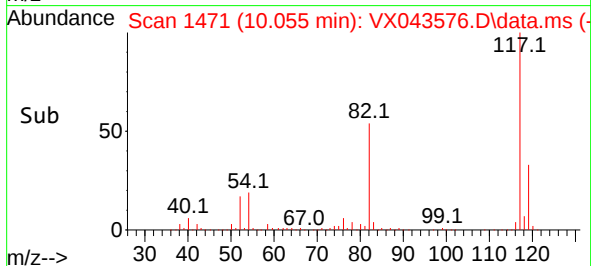
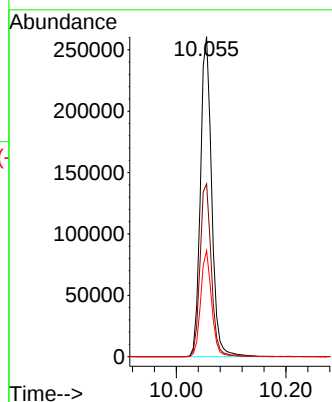
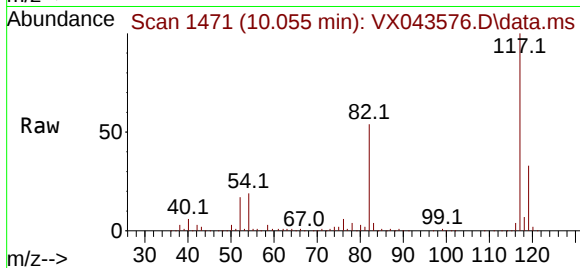
Tgt Ion:117 Resp: 372481

Ion Ratio Lower Upper

117 100

82 54.0 42.1 63.1

119 33.2 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: VX043576.D

Acq: 28 Oct 2024 20:19

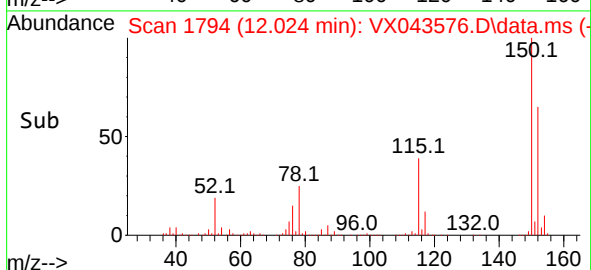
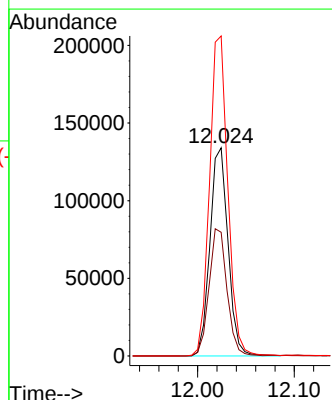
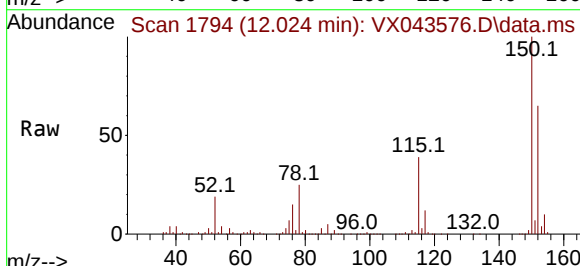
Tgt Ion:152 Resp: 174855

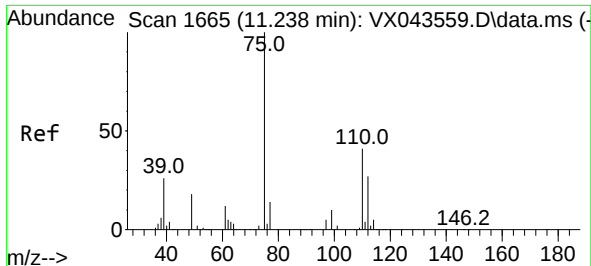
Ion Ratio Lower Upper

152 100

115 61.0 42.9 128.7

150 155.2 0.0 343.6

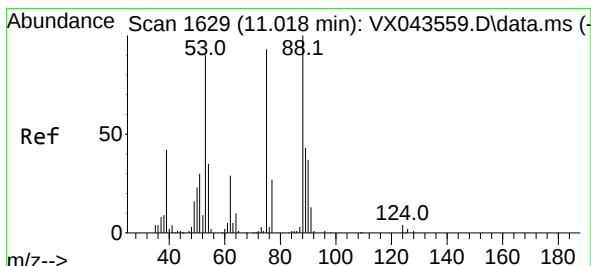
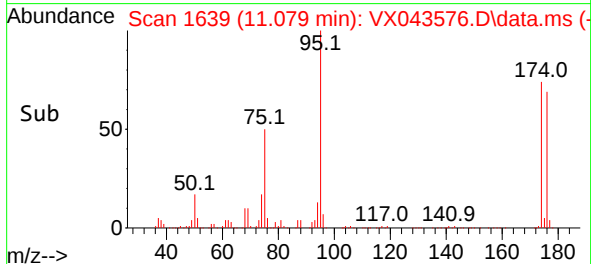
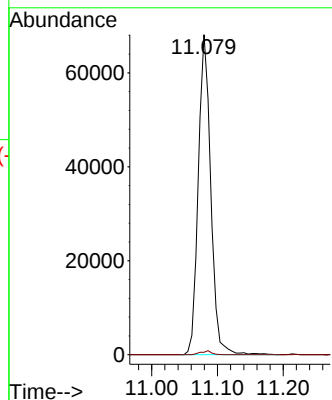
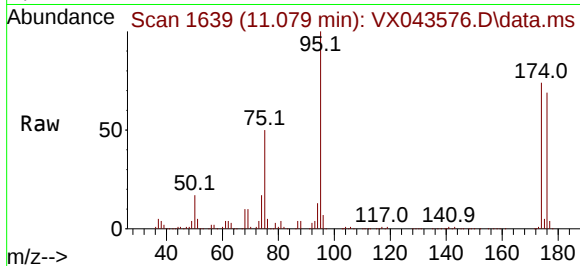




#76
1,2,3-Trichloropropane
Concen: 23.944 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043576.D
Acq: 28 Oct 2024 20:19

Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#08

Tgt Ion: 75 Resp: 89517
Ion Ratio Lower Upper
75 100
77 1.1 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.870 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043576.D
Acq: 28 Oct 2024 20:19

Tgt Ion: 75 Resp: 89517
Ion Ratio Lower Upper
75 100
53 0.0 84.6 126.8#
89 0.0 38.6 58.0#

