

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043572.D
 Acq On : 28 Oct 2024 18:47
 Operator : JC/MD
 Sample : PB164394ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB164394ZHE#04

Quant Time: Oct 29 03:28:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

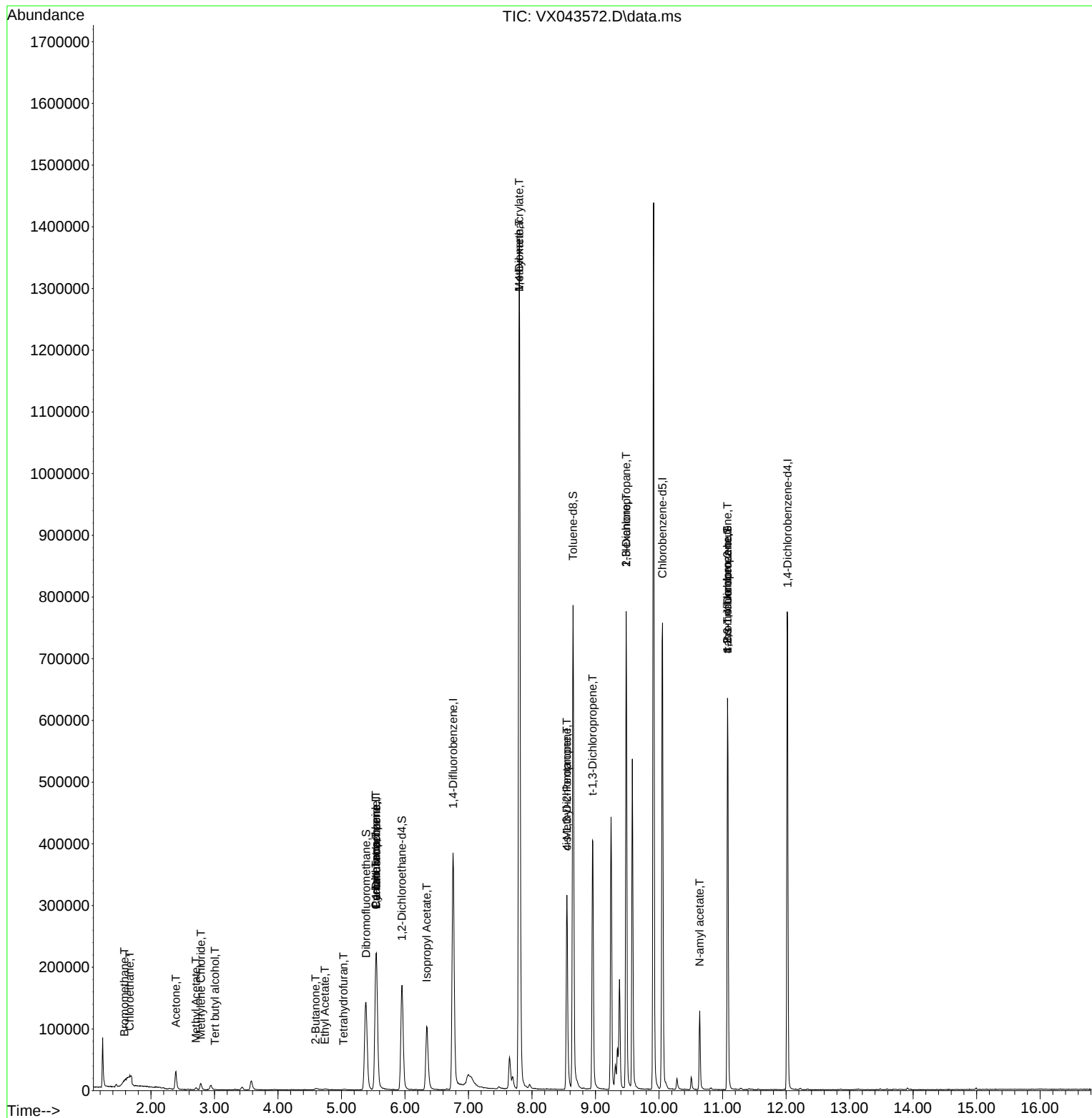
Internal Standards						
1) Pentafluorobenzene	5.550	168	217785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	411818	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	361172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	166302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	166017	47.807	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.620%
35) Dibromofluoromethane	5.385	113	129286	46.297	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.600%
50) Toluene-d8	8.647	98	484643	50.135	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.280%
62) 4-Bromofluorobenzene	11.079	95	176998	49.413	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.820%
Target Compounds						
					Qvalue	
5) Bromomethane	1.581	94	330	0.293	ug/l #	2
6) Chloroethane	1.666	64	242	0.249	ug/l #	43
11) Tert butyl alcohol	3.008	59	164	0.253	ug/l #	100
16) Acetone	2.392	43	35043	25.412	ug/l	97
18) Methyl Acetate	2.709	43	4660	1.156	ug/l #	90
20) Methylene Chloride	2.788	84	5305	1.785	ug/l #	85
25) 2-Butanone	4.593	43	2572	1.279	ug/l #	88
29) Tetrahydrofuran	5.032	42	574	0.439	ug/l #	91
31) Cyclohexane	5.544	56	4551	1.241	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	16724	5.051	ug/l #	50
37) Ethyl Acetate	4.739	43	2483	0.618	ug/l #	95
38) Carbon Tetrachloride	5.544	117	22747	6.217	ug/l #	15
43) Isopropyl Acetate	6.342	43	151240	22.749	ug/l	100
48) Methyl methacrylate	7.799	41	125726	39.888	ug/l #	40
49) 1,4-Dioxane	7.799	88	211	3.258	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	114761	28.322	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	1040	0.264	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	56078	13.338	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	7110	1.533	ug/l #	42
59) 2-Hexanone	9.482	43	92663	30.109	ug/l #	51
74) N-amyl acetate	10.640	43	30531	5.320	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	88252	24.819	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	88252	68.279	ug/l #	7

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

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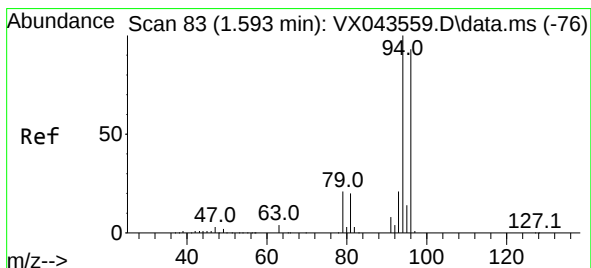
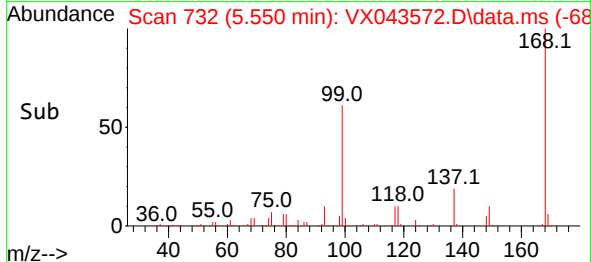
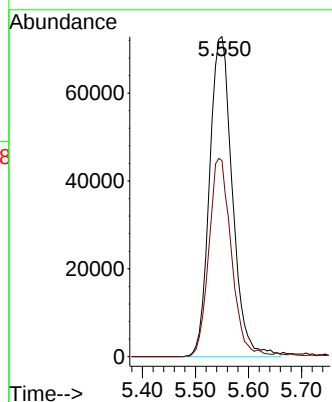
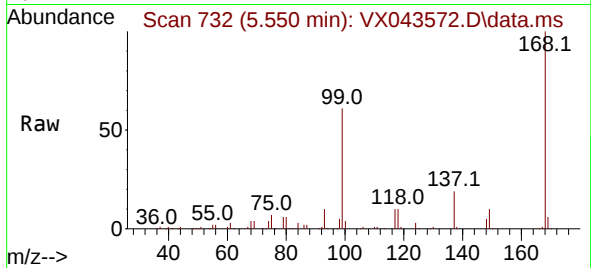




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043572.D
Acq: 28 Oct 2024 18:47

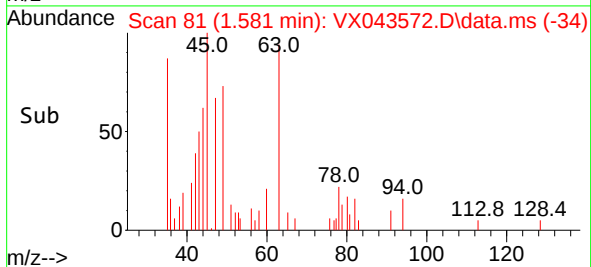
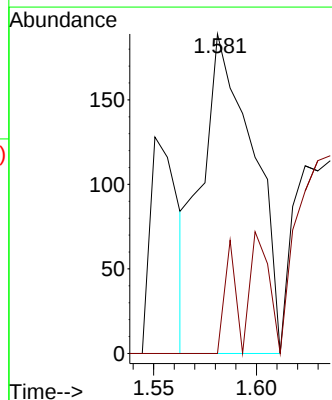
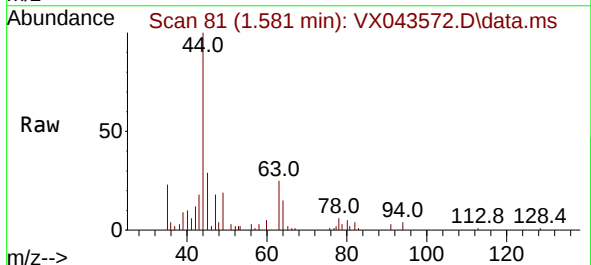
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#04

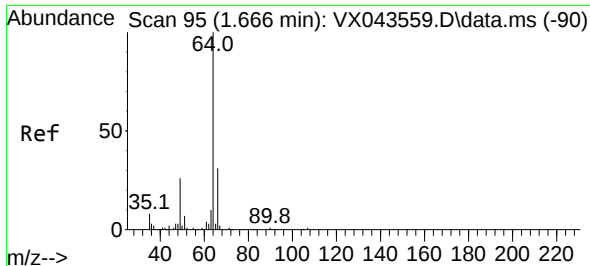
Tgt Ion:168 Resp: 217785
Ion Ratio Lower Upper
168 100
99 61.3 52.6 78.8



#5
Bromomethane
Concen: 0.293 ug/l
RT: 1.581 min Scan# 81
Delta R.T. -0.012 min
Lab File: VX043572.D
Acq: 28 Oct 2024 18:47

Tgt Ion: 94 Resp: 330
Ion Ratio Lower Upper
94 100
96 0.0 75.9 113.9#

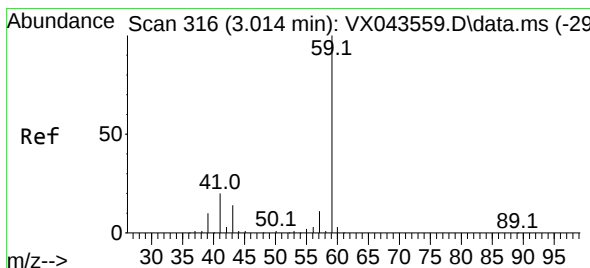
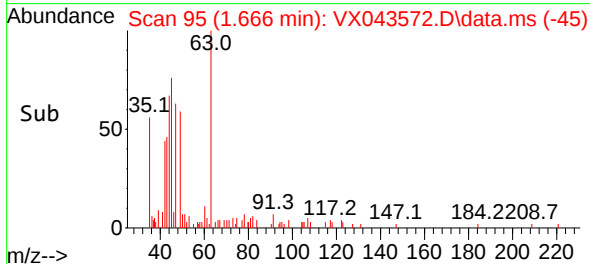
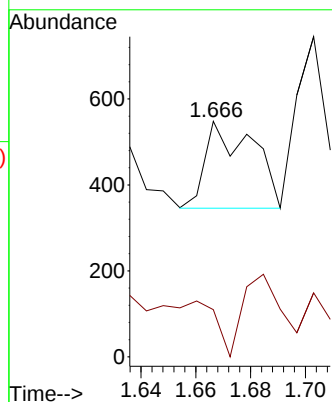
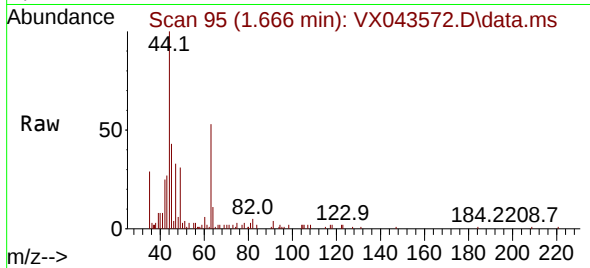




#6
Chloroethane
Concen: 0.249 ug/l
RT: 1.666 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX043572.D
Acq: 28 Oct 2024 18:47

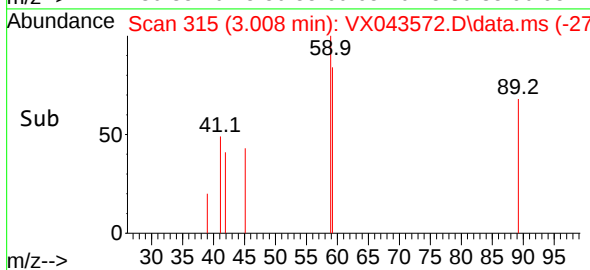
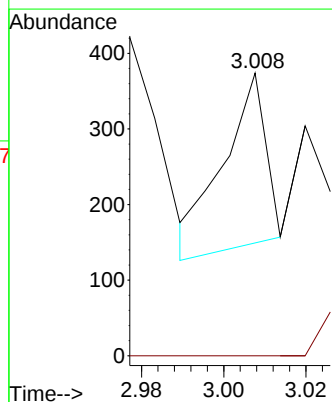
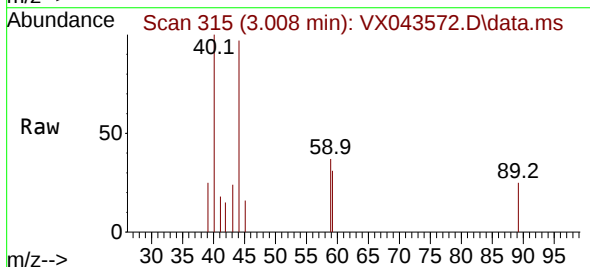
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#04

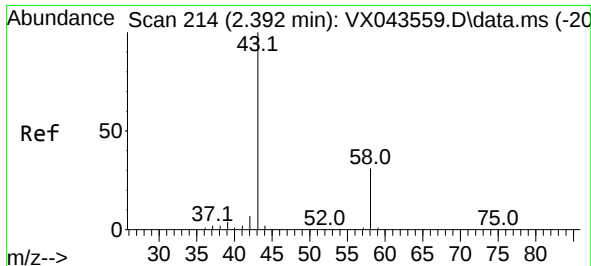
Tgt Ion: 64 Resp: 242
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 0.253 ug/l
RT: 3.008 min Scan# 315
Delta R.T. -0.042 min
Lab File: VX043572.D
Acq: 28 Oct 2024 18:47

Tgt Ion: 59 Resp: 164
Ion Ratio Lower Upper
59 100
57 12.8 0.0 0.0#

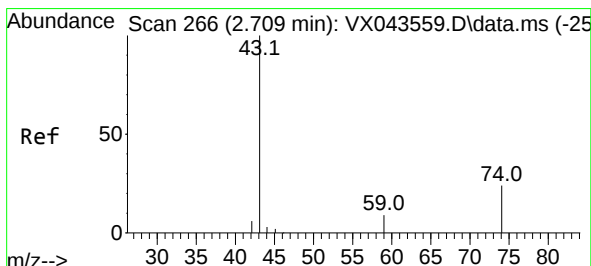
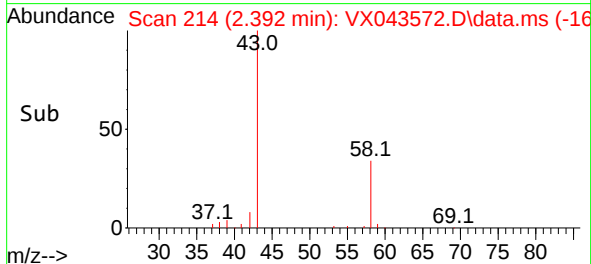
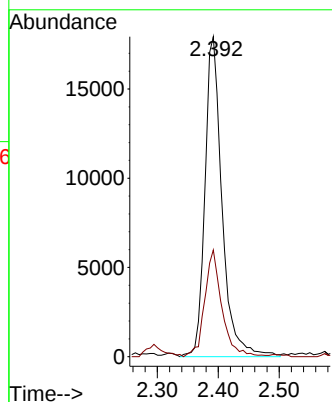
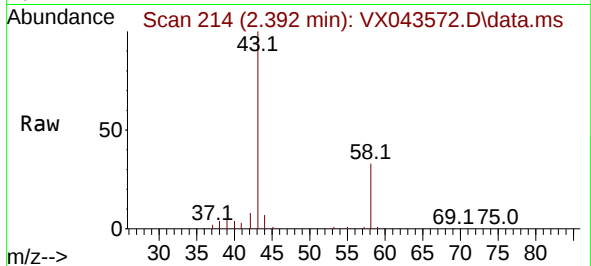




#16
Acetone
Concen: 25.412 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043572.D
Acq: 28 Oct 2024 18:47

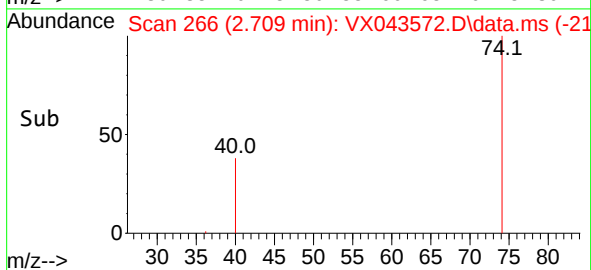
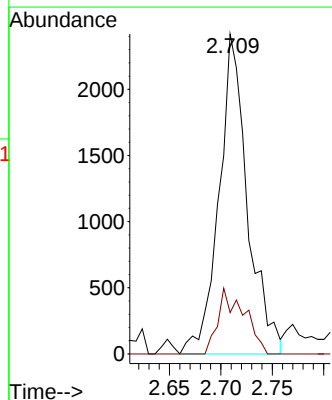
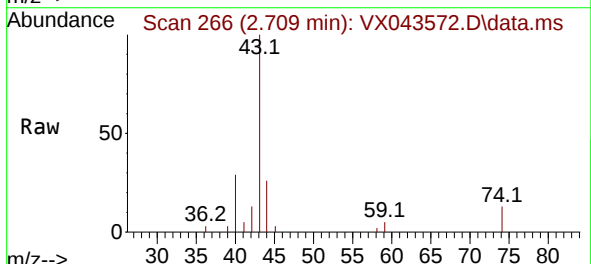
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#04

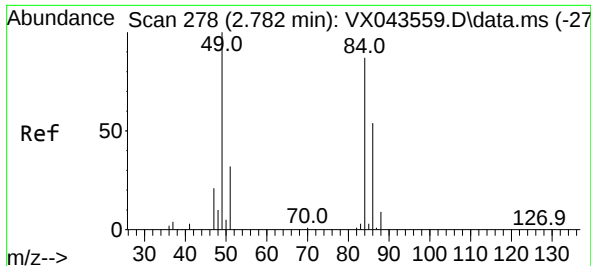
Tgt Ion: 43 Resp: 35043
Ion Ratio Lower Upper
43 100
58 32.9 25.1 37.7



#18
Methyl Acetate
Concen: 1.156 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043572.D
Acq: 28 Oct 2024 18:47

Tgt Ion: 43 Resp: 4660
Ion Ratio Lower Upper
43 100
74 18.9 19.1 28.7#

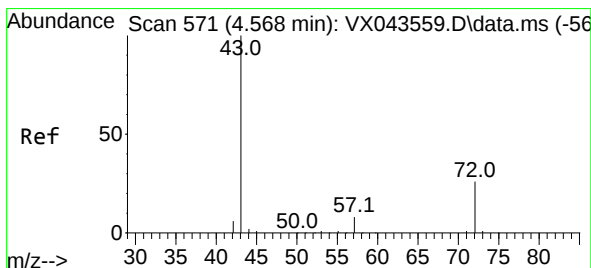
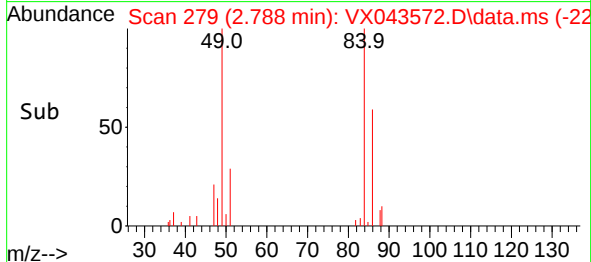
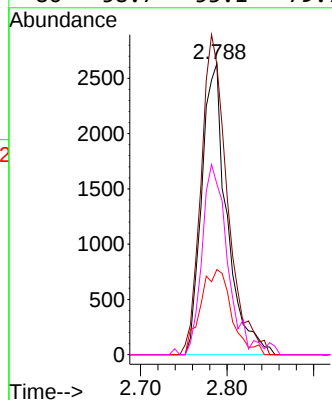
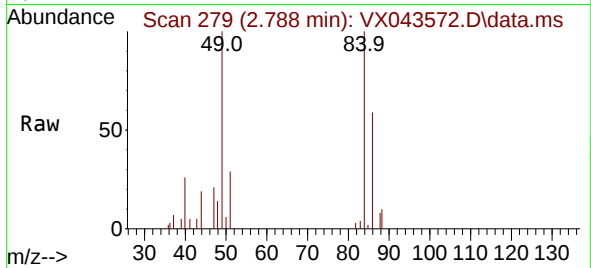




#20
Methylene Chloride
Concen: 1.785 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043572.D
Acq: 28 Oct 2024 18:47

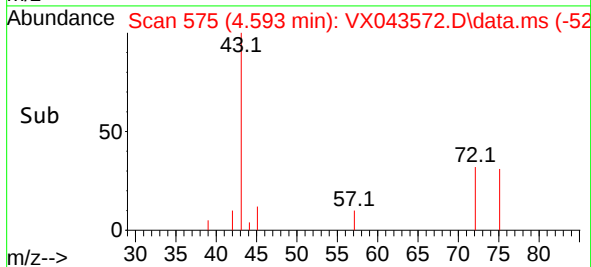
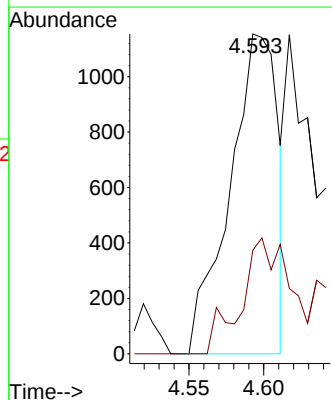
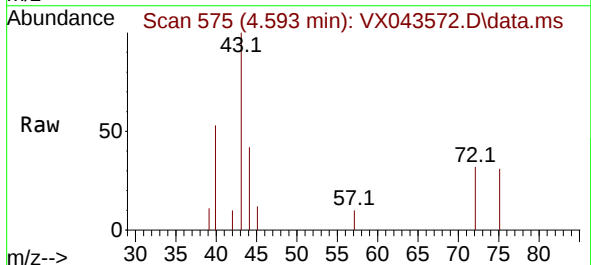
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#04

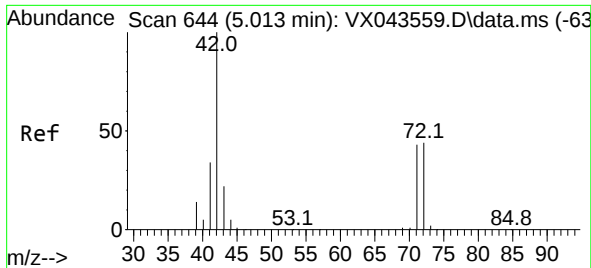
Tgt Ion:	84	Resp:	5305
Ion	Ratio	Lower	Upper
84	100		
49	99.9	97.0	145.6
51	29.3	29.8	44.8#
86	58.7	53.1	79.7



#25
2-Butanone
Concen: 1.279 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.025 min
Lab File: VX043572.D
Acq: 28 Oct 2024 18:47

Tgt Ion:	43	Resp:	2572
Ion	Ratio	Lower	Upper
43	100		
72	32.4	21.1	31.7#





#29

Tetrahydrofuran

Concen: 0.439 ug/l

RT: 5.032 min Scan# 644

Delta R.T. 0.018 min

Lab File: VX043572.D

Acq: 28 Oct 2024 18:47

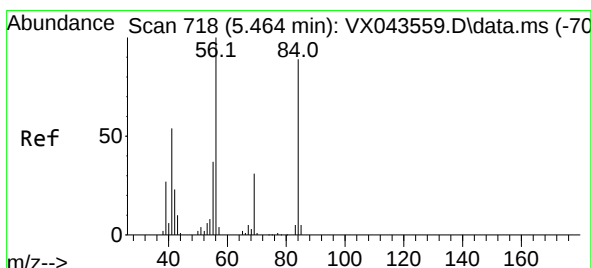
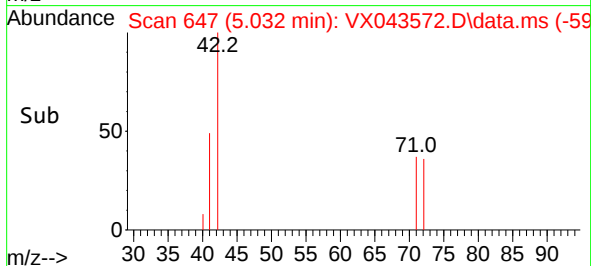
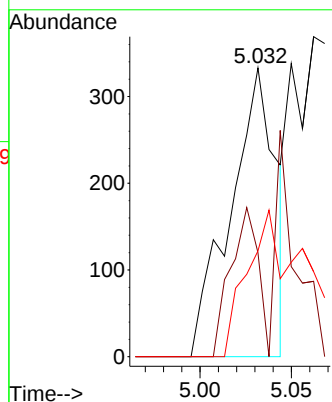
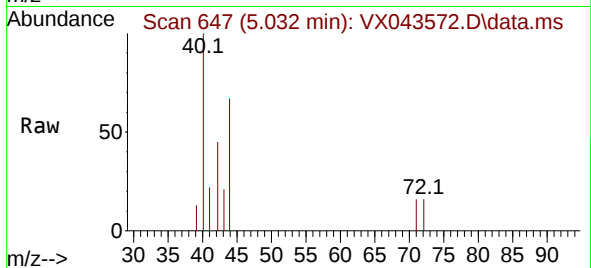
Instrument :

MSVOA_X

ClientSampleId :

PB164394ZHE#04

Tgt Ion:	42	Resp:	574
Ion	Ratio	Lower	Upper
42	100		
72	34.1	36.6	55.0#
71	42.3	34.2	51.4



#31

Cyclohexane

Concen: 1.241 ug/l

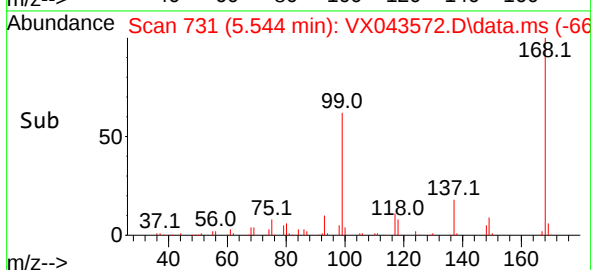
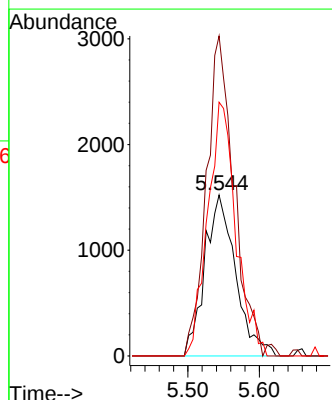
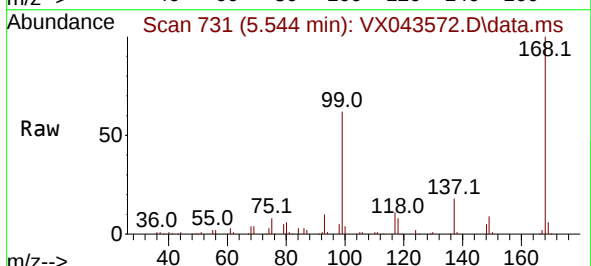
RT: 5.544 min Scan# 731

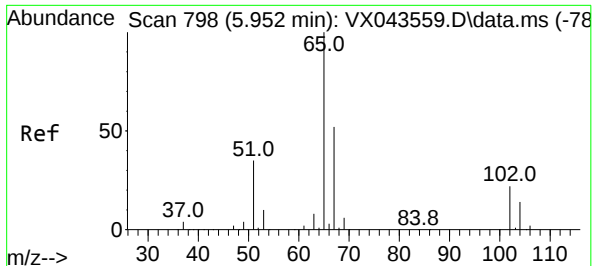
Delta R.T. 0.086 min

Lab File: VX043572.D

Acq: 28 Oct 2024 18:47

Tgt Ion:	56	Resp:	4551
Ion	Ratio	Lower	Upper
56	100		
69	198.9	24.9	37.3#
84	157.7	73.3	109.9#





#33

1,2-Dichloroethane-d4

Concen: 47.807 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043572.D

Acq: 28 Oct 2024 18:47

Instrument :

MSVOA_X

ClientSampleId :

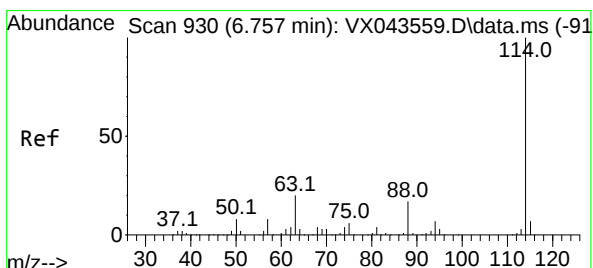
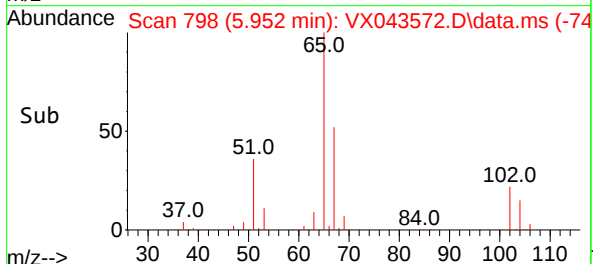
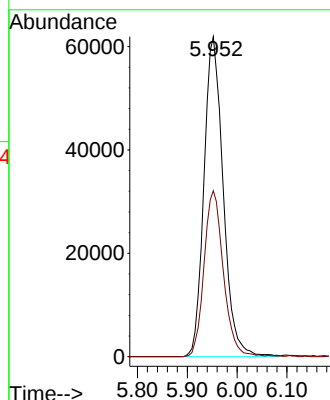
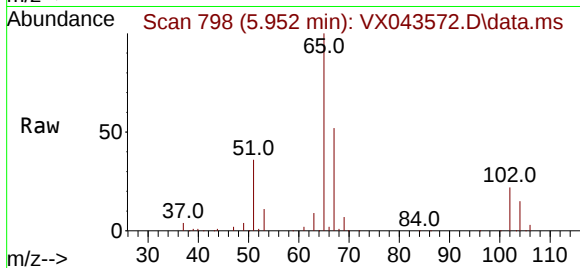
PB164394ZHE#04

Tgt Ion: 65 Resp: 166017

Ion Ratio Lower Upper

65 100

67 51.9 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: VX043572.D

Acq: 28 Oct 2024 18:47

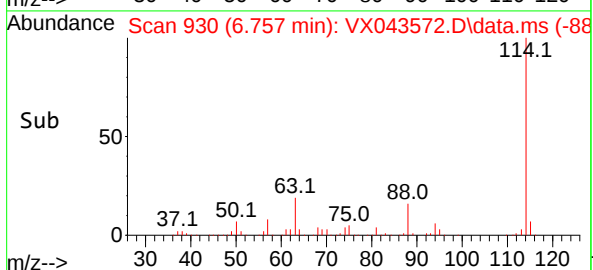
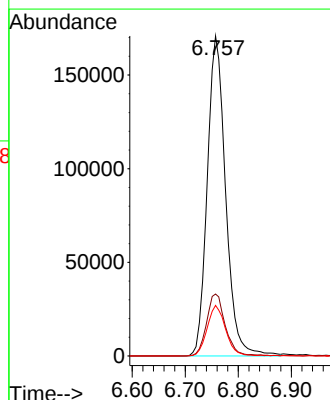
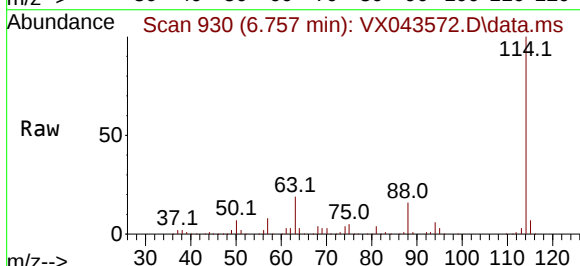
Tgt Ion: 114 Resp: 411818

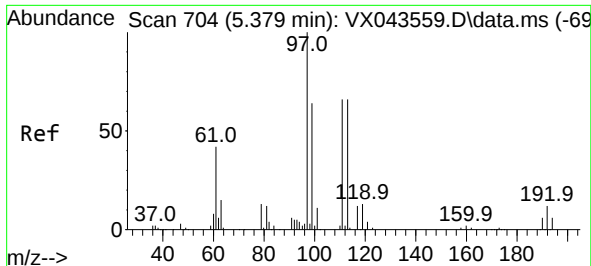
Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.2

88 15.8 0.0 34.0





#35

Dibromofluoromethane

Concen: 46.297 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX043572.D

Acq: 28 Oct 2024 18:47

Instrument :

MSVOA_X

ClientSampleId :

PB164394ZHE#04

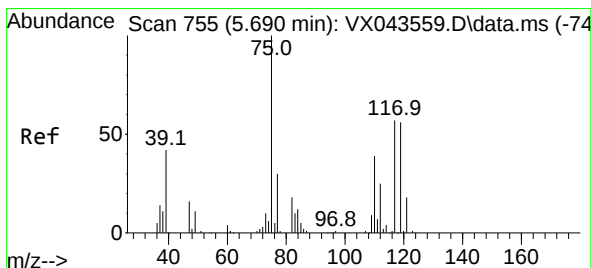
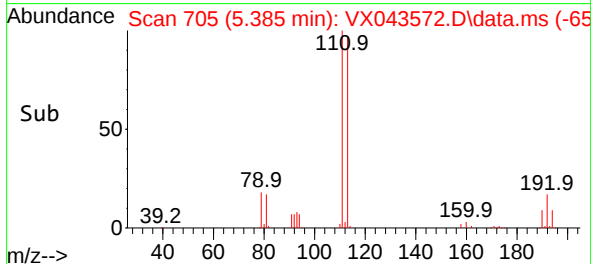
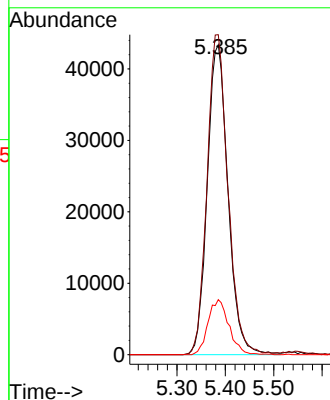
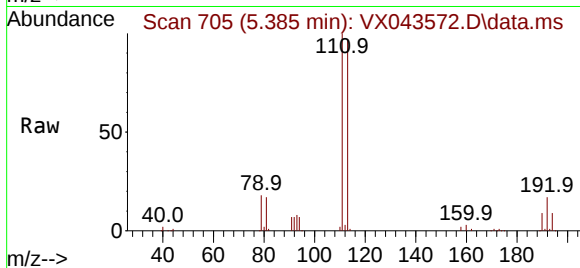
Tgt Ion:113 Resp: 129286

Ion Ratio Lower Upper

113 100

111 103.9 81.4 122.0

192 17.9 14.1 21.1



#36

1,1-Dichloropropene

Concen: 5.051 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX043572.D

Acq: 28 Oct 2024 18:47

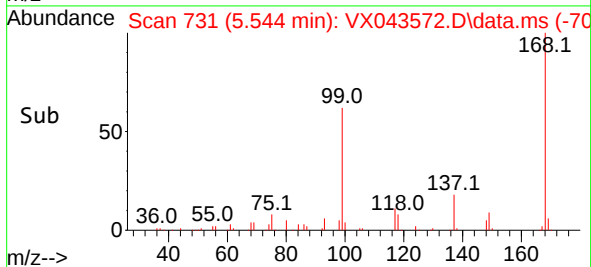
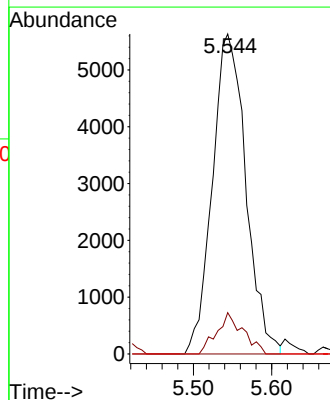
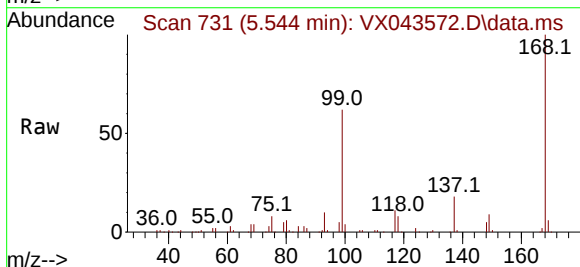
Tgt Ion: 75 Resp: 16724

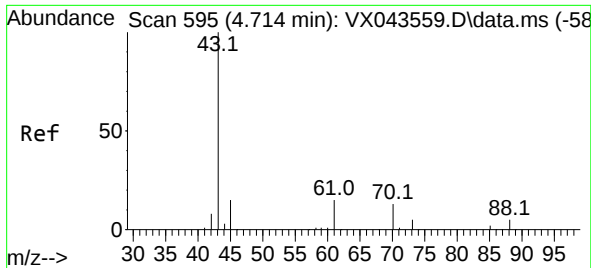
Ion Ratio Lower Upper

75 100

110 10.2 17.9 53.7#

77 0.0 25.0 37.4#

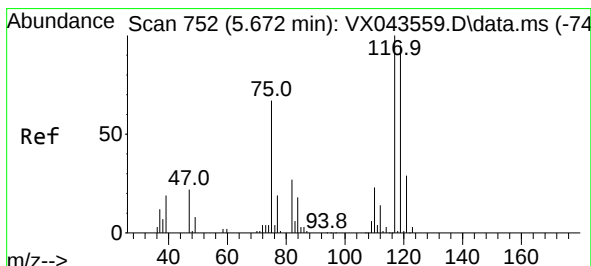
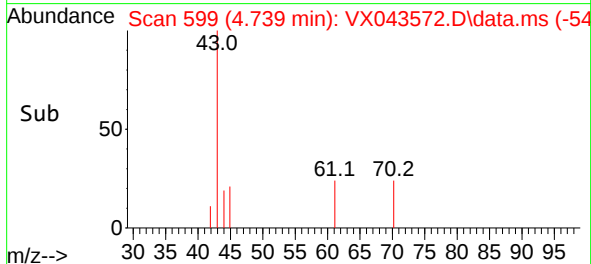
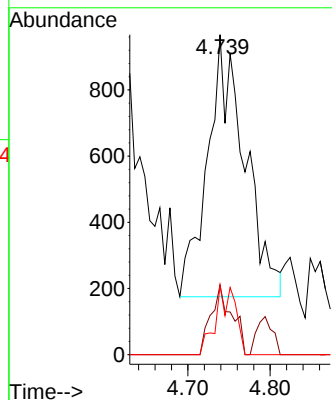
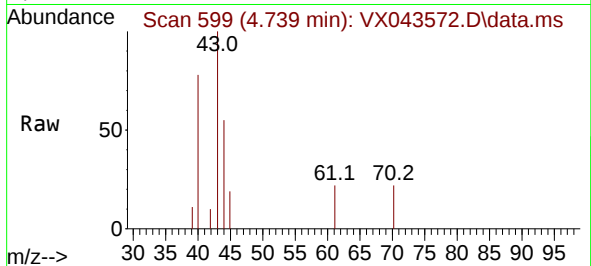




#37
Ethyl Acetate
Concen: 0.618 ug/l
RT: 4.739 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX043572.D
Acq: 28 Oct 2024 18:47

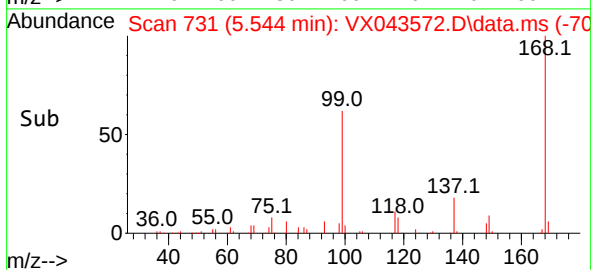
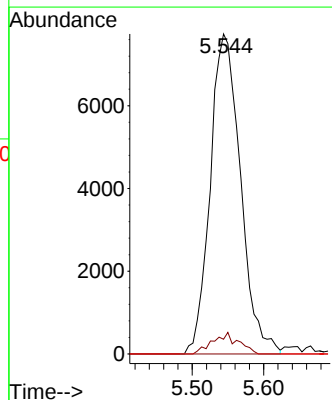
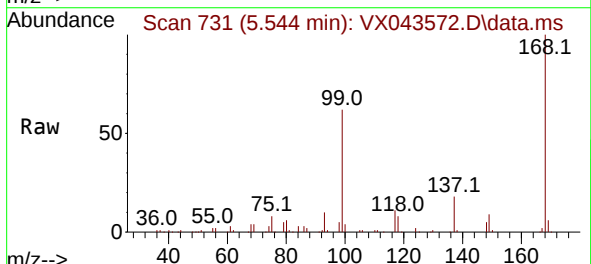
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#04

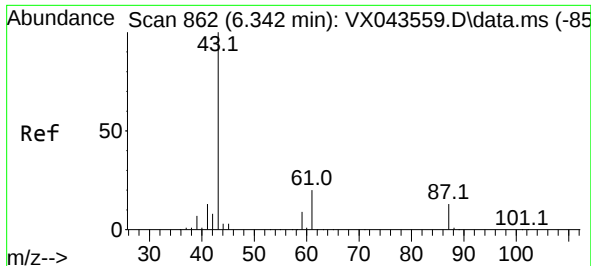
Tgt Ion: 43 Resp: 2483
Ion Ratio Lower Upper
43 100
61 15.1 11.0 16.6
70 14.1 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 6.217 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX043572.D
Acq: 28 Oct 2024 18:47

Tgt Ion: 117 Resp: 22747
Ion Ratio Lower Upper
117 100
119 4.6 77.0 115.6#
121 0.0 24.7 37.1#

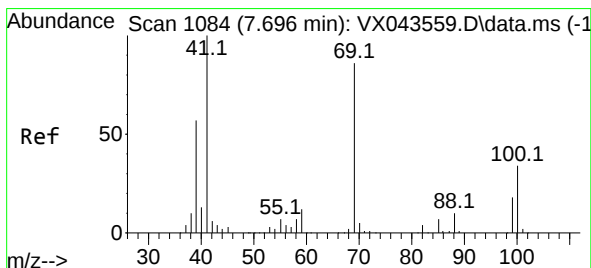
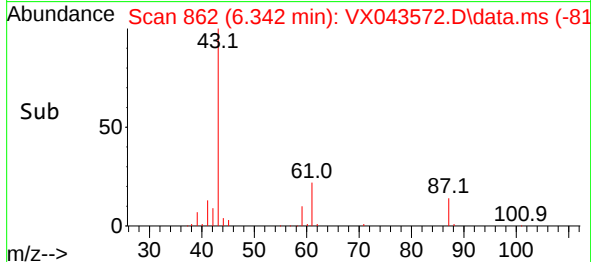
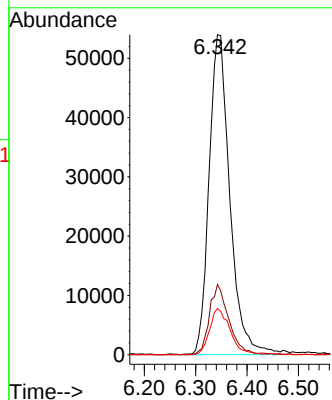
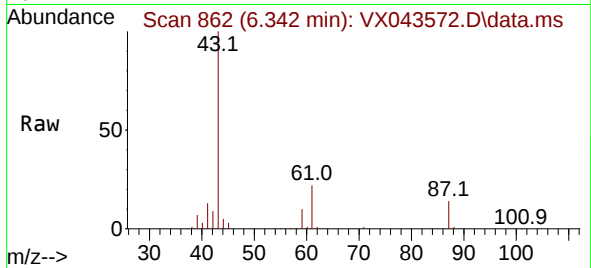




#43
Isopropyl Acetate
Concen: 22.749 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX043572.D
Acq: 28 Oct 2024 18:47

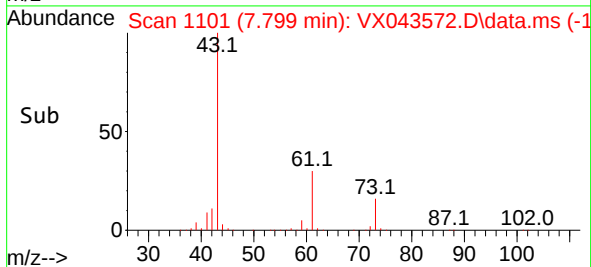
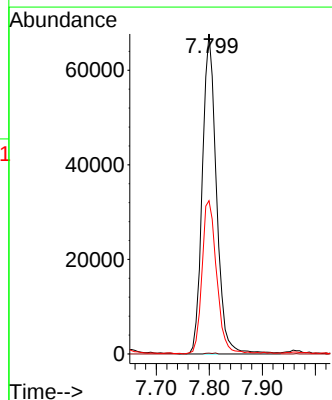
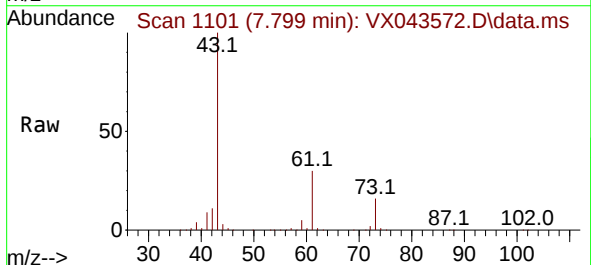
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#04

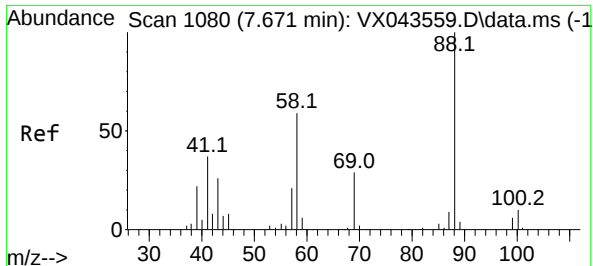
Tgt Ion: 43 Resp: 151240
Ion Ratio Lower Upper
43 100
61 20.3 16.2 24.4
87 14.2 11.0 16.6



#48
Methyl methacrylate
Concen: 39.888 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043572.D
Acq: 28 Oct 2024 18:47

Tgt Ion: 41 Resp: 125726
Ion Ratio Lower Upper
41 100
69 0.2 67.7 101.5#
39 49.5 46.3 69.5





#49

1,4-Dioxane

Concen: 3.258 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.128 min

Lab File: VX043572.D

Acq: 28 Oct 2024 18:47

Instrument :

MSVOA_X

ClientSampleId :

PB164394ZHE#04

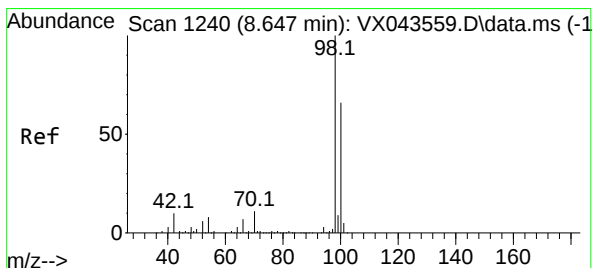
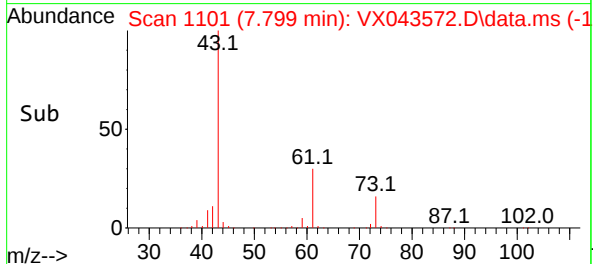
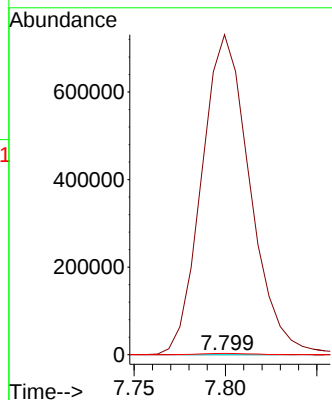
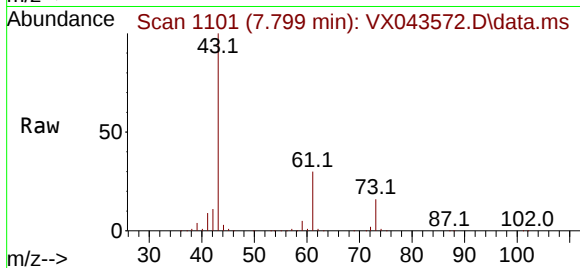
Tgt Ion: 88 Resp: 211

Ion Ratio Lower Upper

88 100

43 645718.5 25.3 37.9#

58 2818.0 53.9 80.9#



#50

Toluene-d8

Concen: 50.135 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043572.D

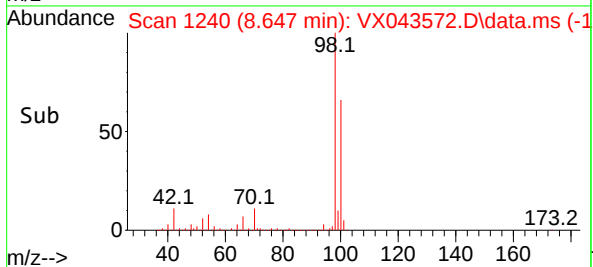
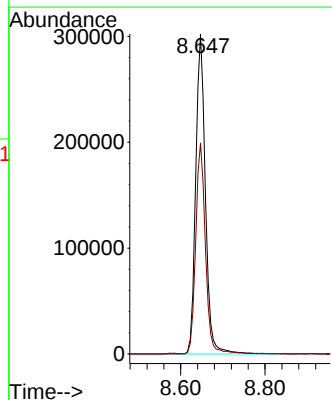
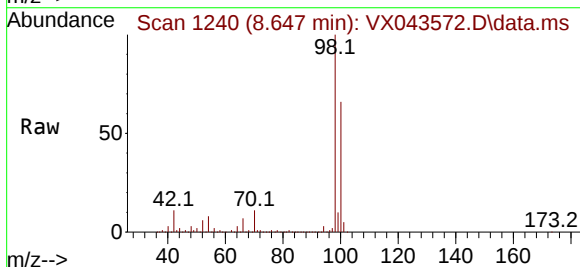
Acq: 28 Oct 2024 18:47

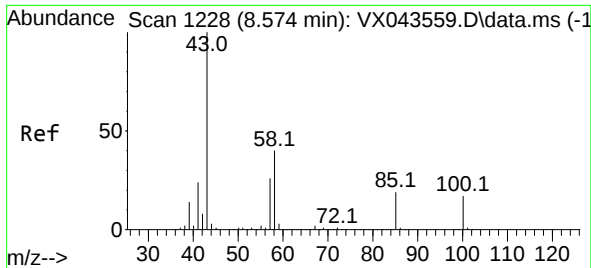
Tgt Ion: 98 Resp: 484643

Ion Ratio Lower Upper

98 100

100 65.9 53.4 80.2

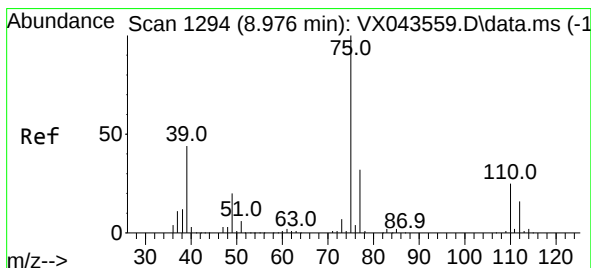
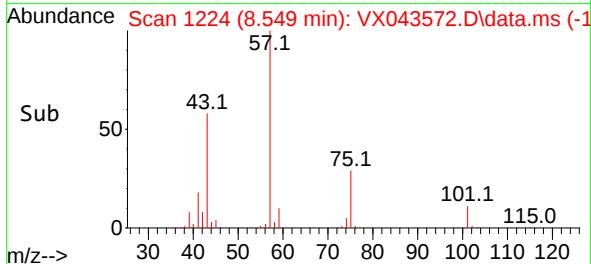
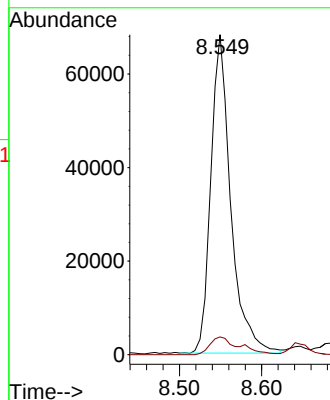
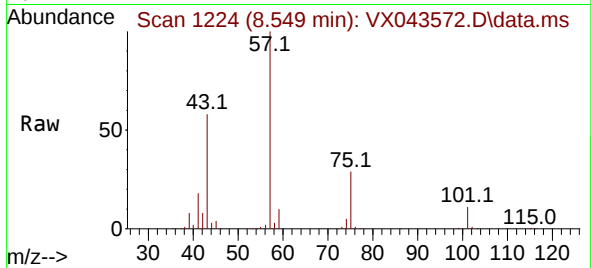




#51
4-Methyl-2-Pentanone
Concen: 28.322 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX043572.D
Acq: 28 Oct 2024 18:47

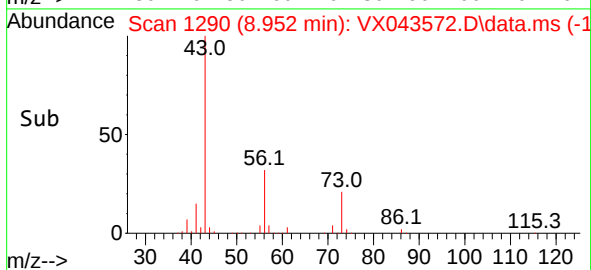
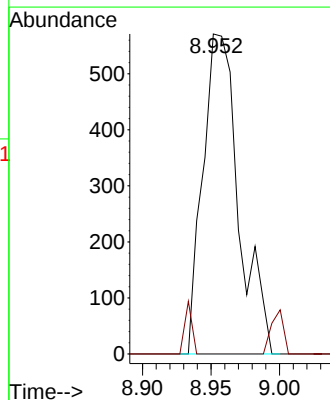
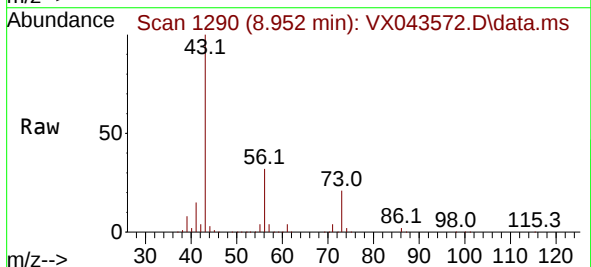
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#04

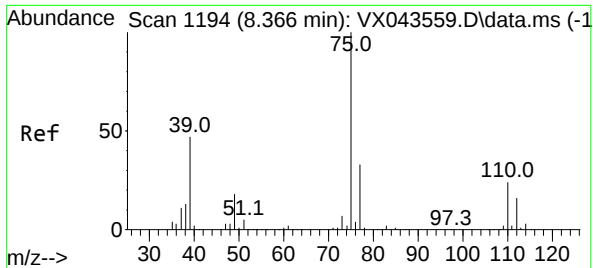
Tgt Ion: 43 Resp: 114761
Ion Ratio Lower Upper
43 100
58 8.3 31.7 47.5#



#53
t-1,3-Dichloropropene
Concen: 0.264 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX043572.D
Acq: 28 Oct 2024 18:47

Tgt Ion: 75 Resp: 1040
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#

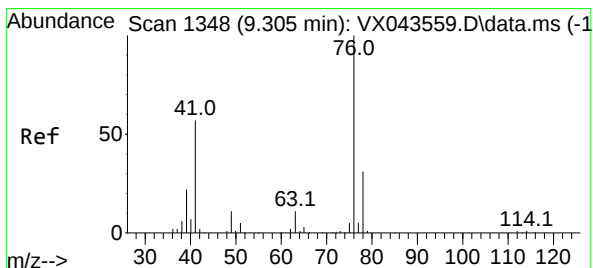
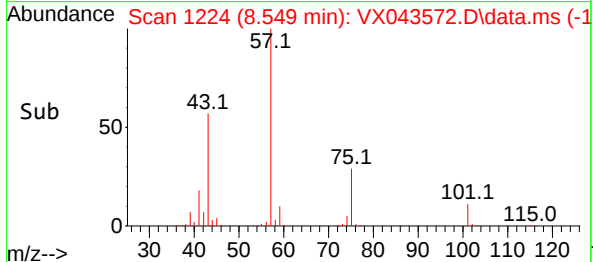
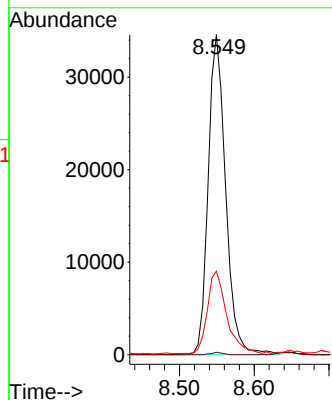
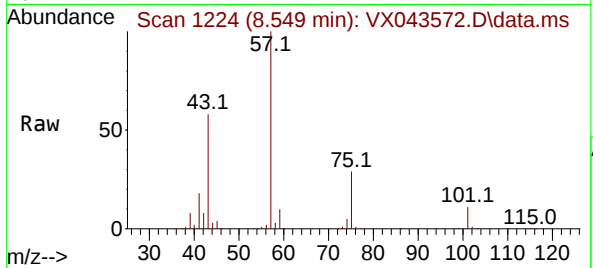




#54
 cis-1,3-Dichloropropene
 Concen: 13.338 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043572.D
 Acq: 28 Oct 2024 18:47

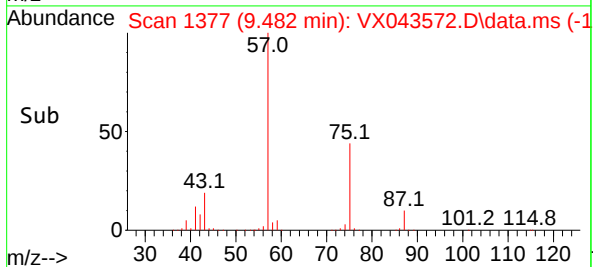
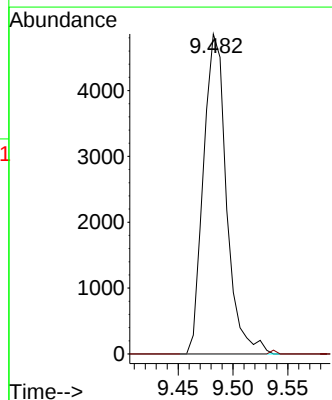
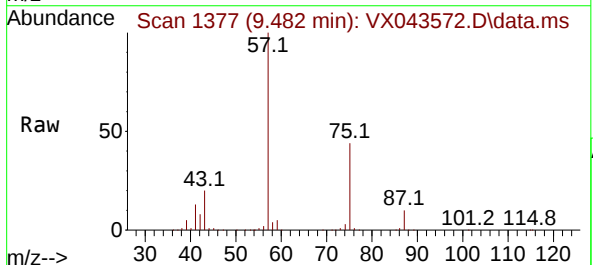
Instrument :
 MSVOA_X
 ClientSampleId :
 PB164394ZHE#04

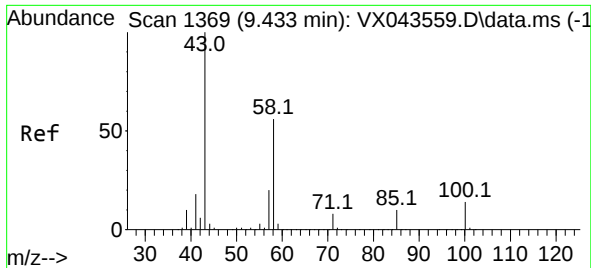
Tgt Ion: 75 Resp: 56078
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.8 37.2#
 39 25.7 37.7 56.5#



#57
 1,3-Dichloropropane
 Concen: 1.533 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX043572.D
 Acq: 28 Oct 2024 18:47

Tgt Ion: 76 Resp: 7110
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

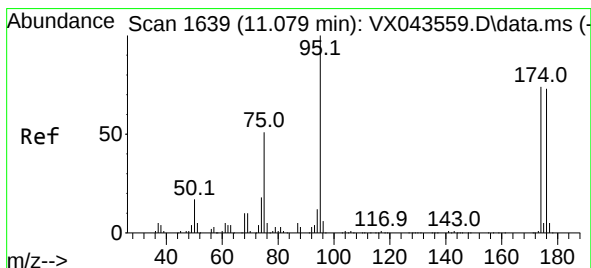
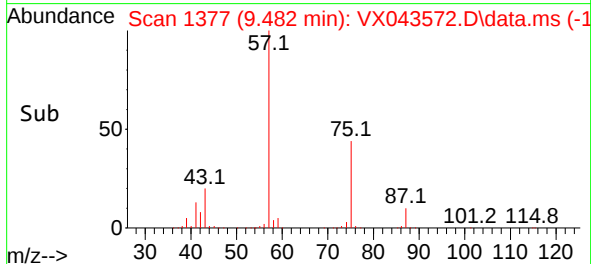
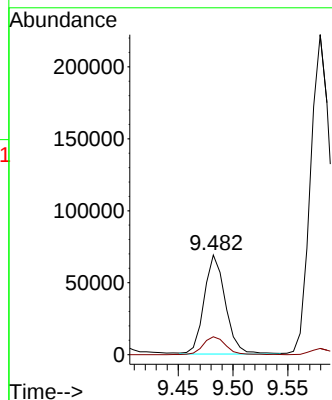
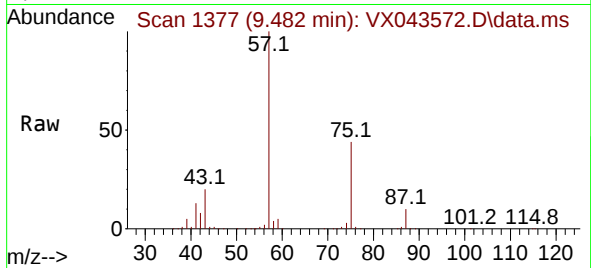




#59
2-Hexanone
Concen: 30.109 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX043572.D
Acq: 28 Oct 2024 18:47

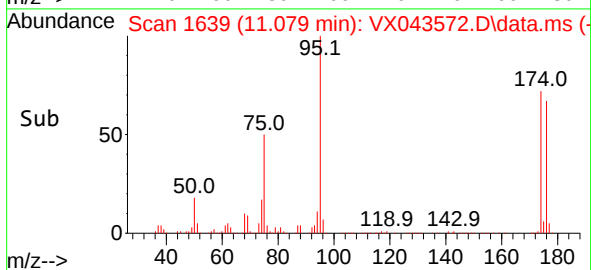
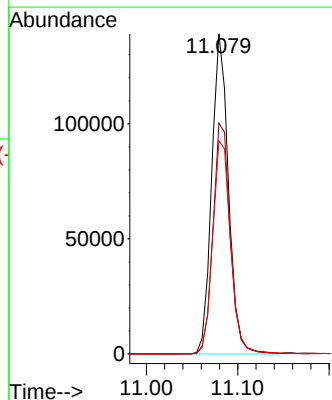
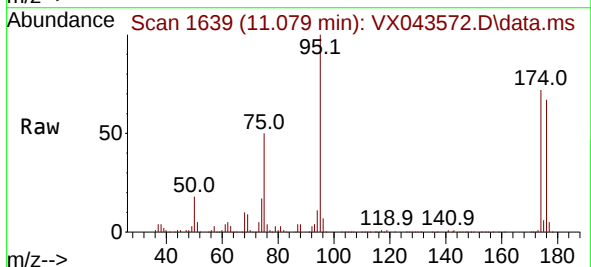
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#04

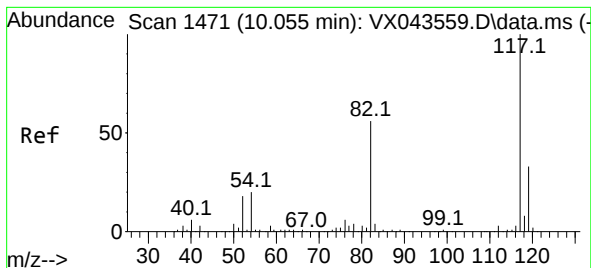
Tgt Ion: 43 Resp: 92663
Ion Ratio Lower Upper
43 100
58 19.6 27.5 82.5#



#62
4-Bromofluorobenzene
Concen: 49.413 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043572.D
Acq: 28 Oct 2024 18:47

Tgt Ion: 95 Resp: 176998
Ion Ratio Lower Upper
95 100
174 74.1 0.0 146.6
176 71.3 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: VX043572.D

Acq: 28 Oct 2024 18:47

Instrument :

MSVOA_X

ClientSampleId :

PB164394ZHE#04

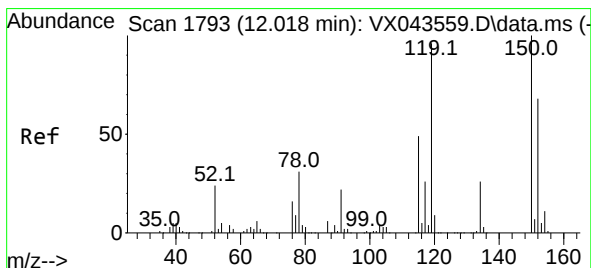
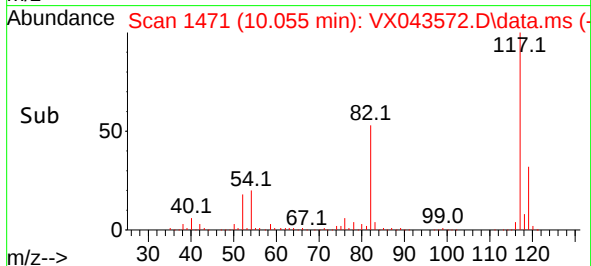
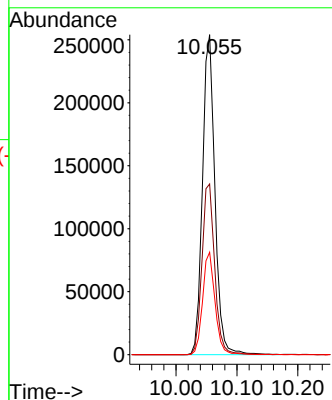
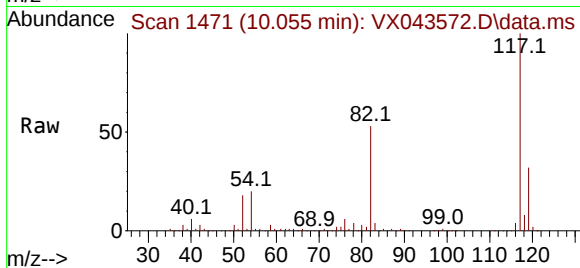
Tgt Ion:117 Resp: 361172

Ion Ratio Lower Upper

117 100

82 53.4 42.1 63.1

119 32.0 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: VX043572.D

Acq: 28 Oct 2024 18:47

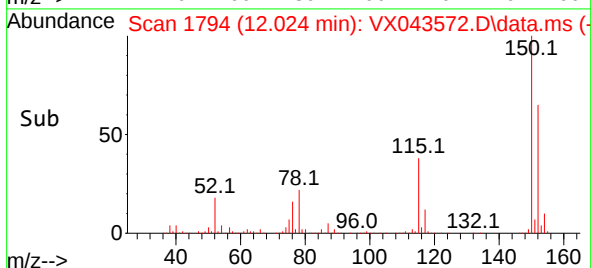
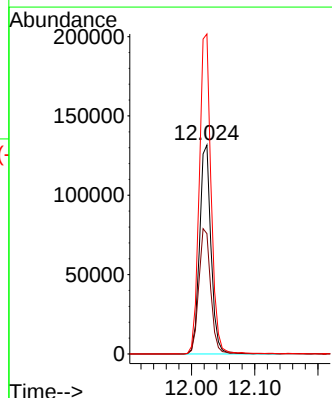
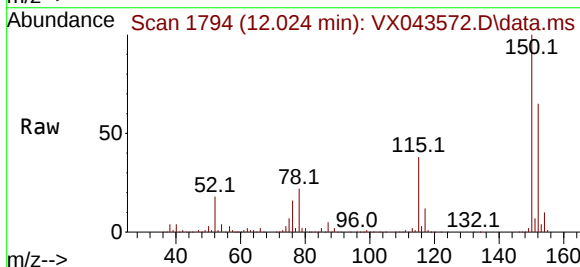
Tgt Ion:152 Resp: 166302

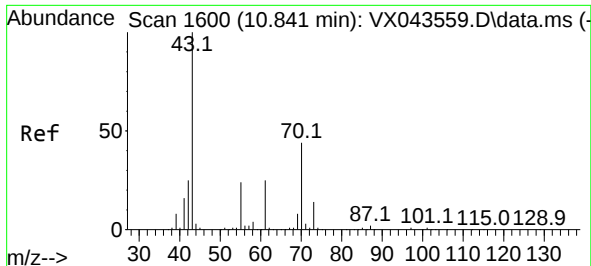
Ion Ratio Lower Upper

152 100

115 62.2 42.9 128.7

150 158.0 0.0 343.6

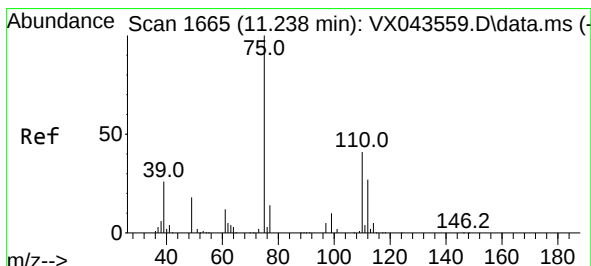
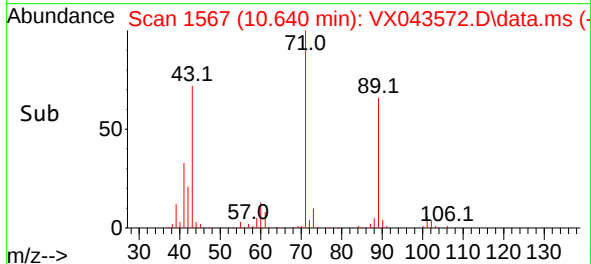
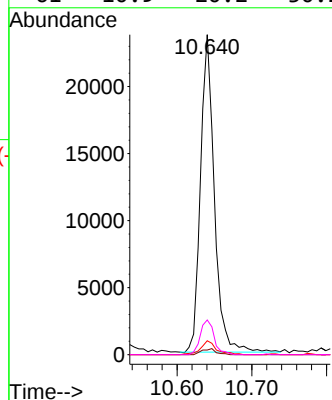
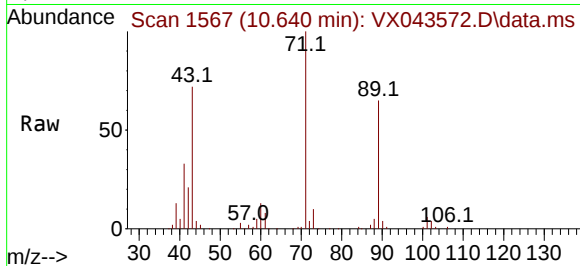




#74
N-amy1 acetate
Concen: 5.320 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX043572.D
Acq: 28 Oct 2024 18:47

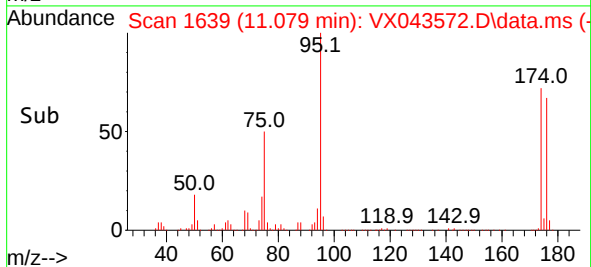
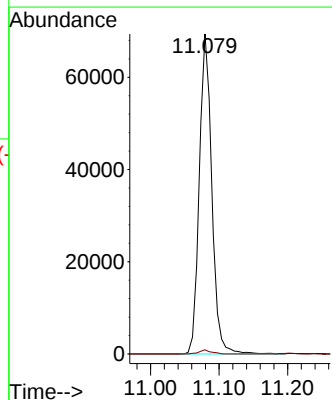
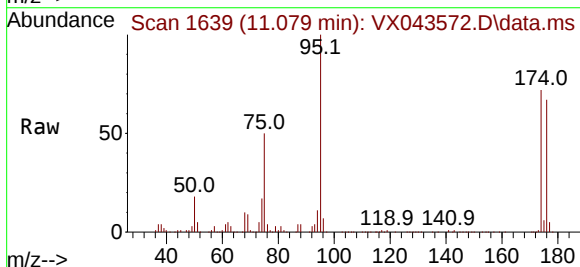
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#04

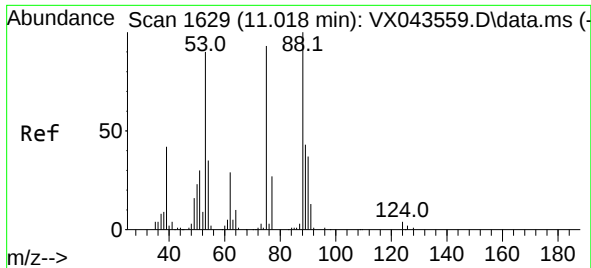
Tgt Ion: 43	Resp: 30531
Ion Ratio	Lower Upper
43	100
70	1.9 34.6 52.0#
55	4.9 19.6 29.4#
61	10.9 20.2 30.2#



#76
1,2,3-Trichloropropane
Concen: 24.819 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043572.D
Acq: 28 Oct 2024 18:47

Tgt Ion: 75	Resp: 88252
Ion Ratio	Lower Upper
75	100
77	1.2 22.4 67.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.279 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043572.D
 Acq: 28 Oct 2024 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 PB164394ZHE#04

Tgt Ion: 75 Resp: 88252
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.6 126.8#
 89 0.0 38.6 58.0#

