

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043569.D
 Acq On : 28 Oct 2024 17:38
 Operator : JC/MD
 Sample : PB164394ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB164394ZHE#01

Quant Time: Oct 29 03:27:12 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

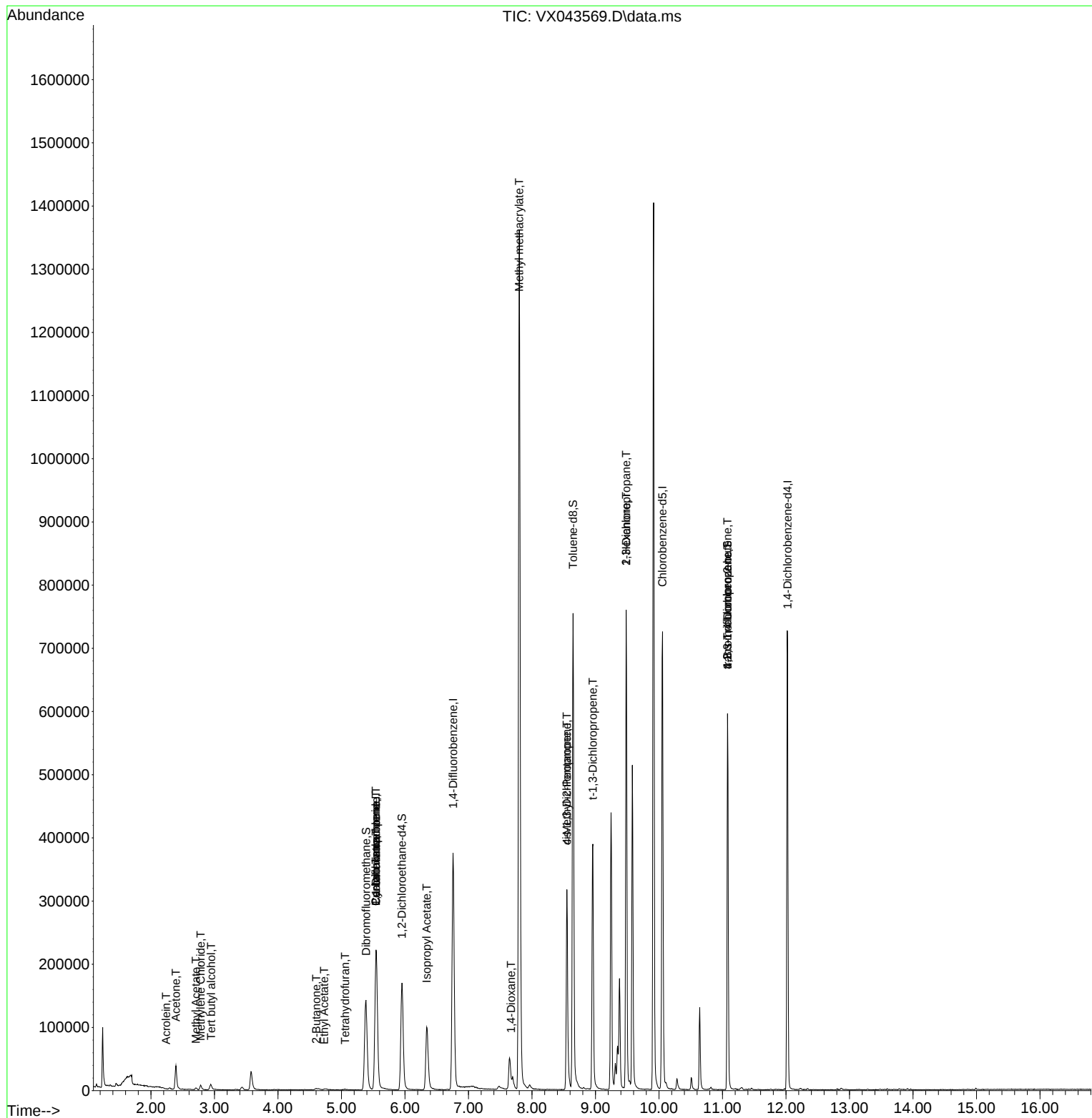
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	213325	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	397289	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	344990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	154322	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	165192	48.564	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.120%
35) Dibromofluoromethane	5.385	113	126690	47.027	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.060%
50) Toluene-d8	8.647	98	465524	49.919	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.840%
62) 4-Bromofluorobenzene	11.079	95	168510	48.764	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.520%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	4646	7.318	ug/l #	100
13) Acrolein	2.239	56	185	0.373	ug/l #	25
16) Acetone	2.392	43	44965	33.289	ug/l	96
18) Methyl Acetate	2.709	43	3729	0.945	ug/l	98
20) Methylene Chloride	2.782	84	3674	1.262	ug/l	91
25) 2-Butanone	4.605	43	4702	2.386	ug/l	96
29) Tetrahydrofuran	5.056	42	892	0.697	ug/l #	45
31) Cyclohexane	5.544	56	4709	1.311	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	16840	5.272	ug/l #	50
37) Ethyl Acetate	4.727	43	797	0.206	ug/l #	68
38) Carbon Tetrachloride	5.544	117	22209	6.292	ug/l #	15
43) Isopropyl Acetate	6.342	43	149910	23.374	ug/l	100
48) Methyl methacrylate	7.799	41	122977	40.442	ug/l #	41
49) 1,4-Dioxane	7.671	88	19	0.304	ug/l #	25
51) 4-Methyl-2-Pentanone	8.549	43	113587	29.057	ug/l #	45
53) t-1,3-Dichloropropene	8.958	75	1099	0.289	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	53693	13.237	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	7207	1.611	ug/l #	43
59) 2-Hexanone	9.482	43	92256	31.074	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	84662	25.658	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	84662	70.586	ug/l #	7

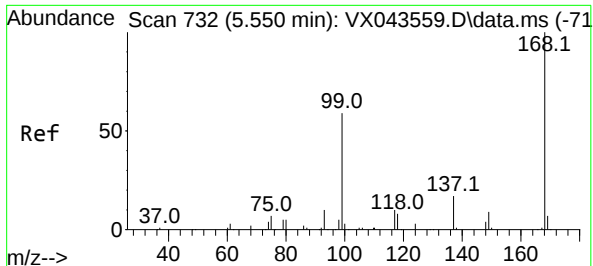
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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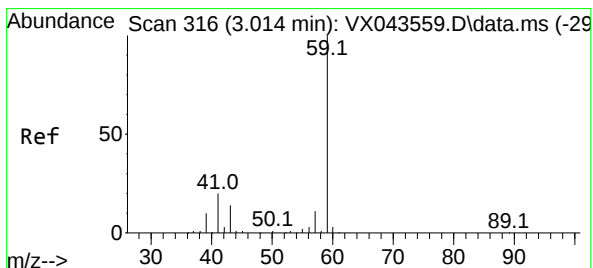
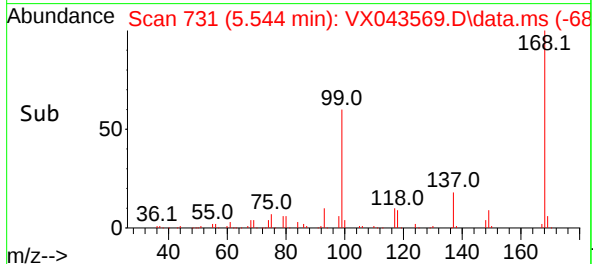
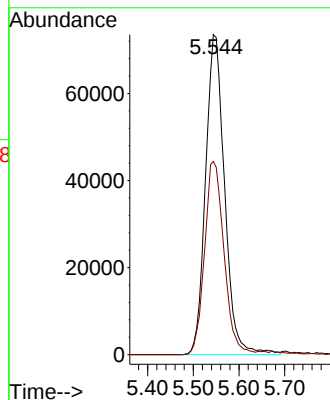
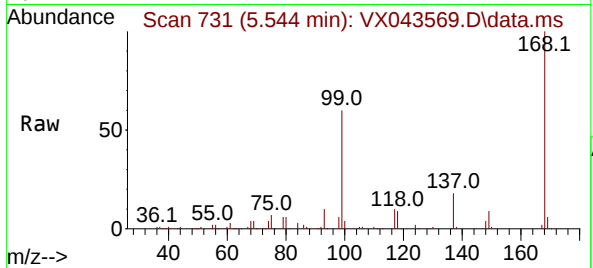




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043569.D
Acq: 28 Oct 2024 17:38

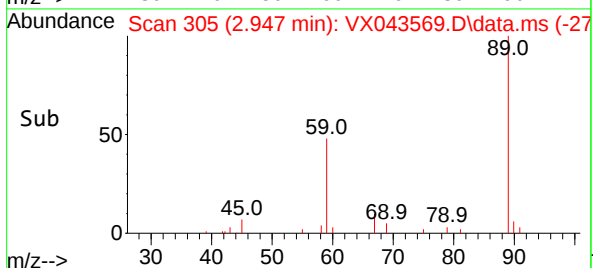
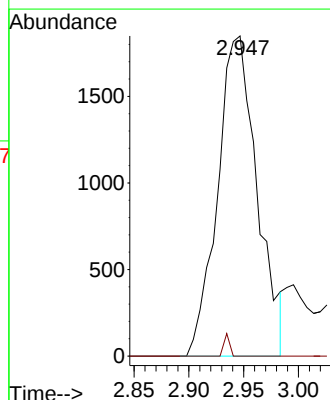
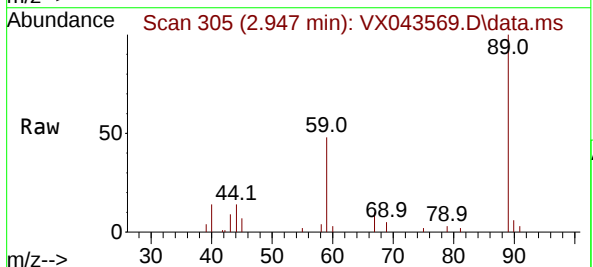
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#01

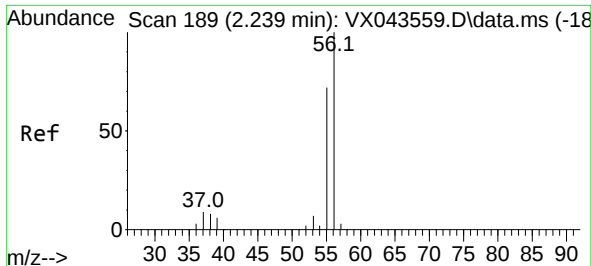
Tgt Ion:168 Resp: 213325
Ion Ratio Lower Upper
168 100
99 60.4 52.6 78.8



#11
Tert butyl alcohol
Concen: 7.318 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.103 min
Lab File: VX043569.D
Acq: 28 Oct 2024 17:38

Tgt Ion: 59 Resp: 4646
Ion Ratio Lower Upper
59 100
57 1.0 0.0 0.0#

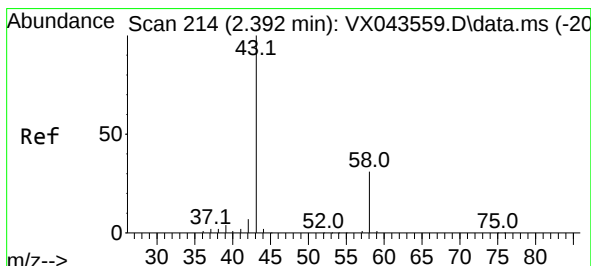
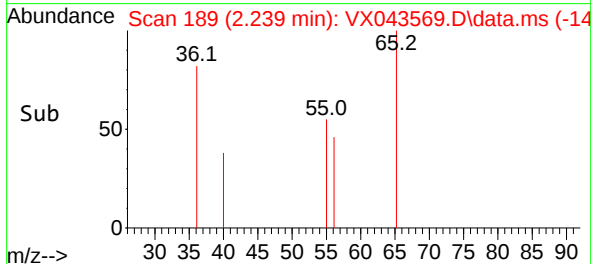
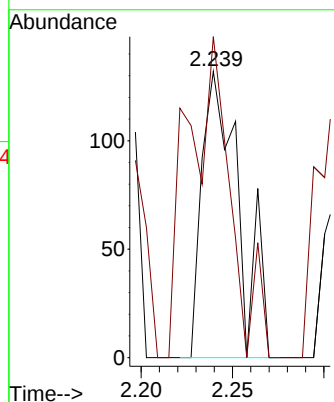
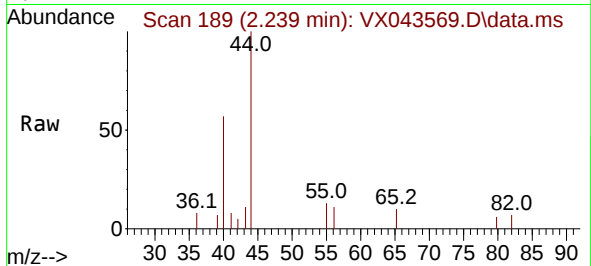




#13
Acrolein
Concen: 0.373 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043569.D
Acq: 28 Oct 2024 17:38

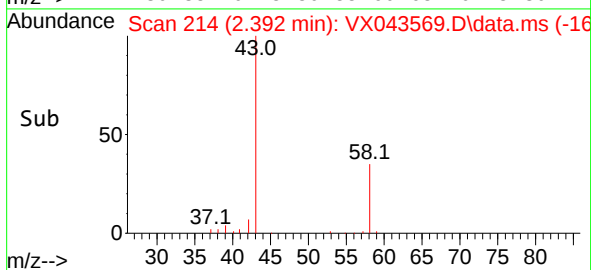
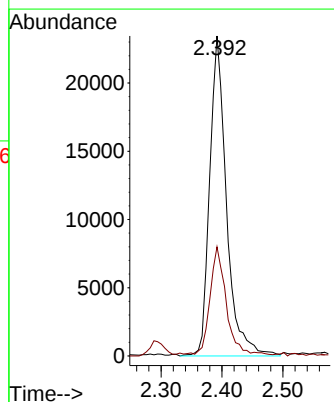
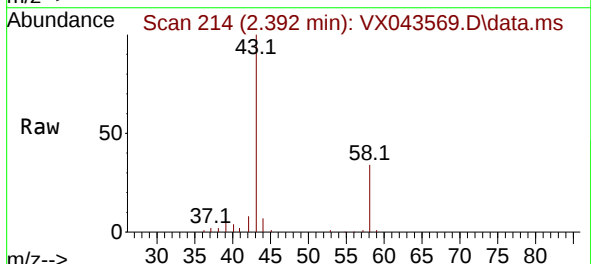
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#01

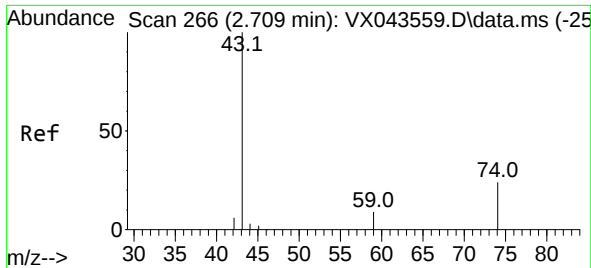
Tgt Ion: 56 Resp: 185
Ion Ratio Lower Upper
56 100
55 130.3 55.3 82.9#



#16
Acetone
Concen: 33.289 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043569.D
Acq: 28 Oct 2024 17:38

Tgt Ion: 43 Resp: 44965
Ion Ratio Lower Upper
43 100
58 33.5 25.1 37.7

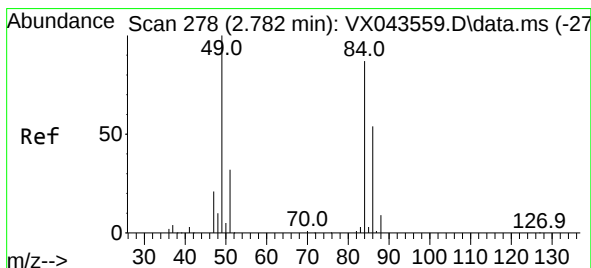
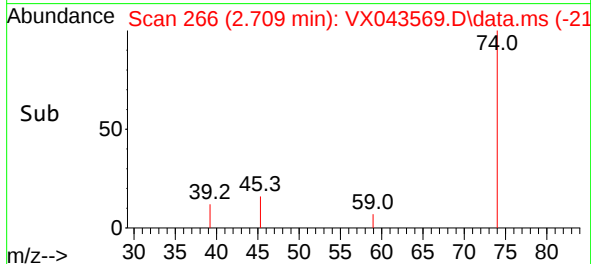
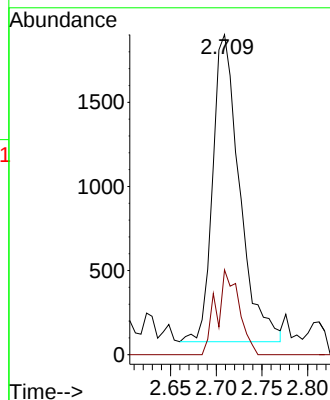
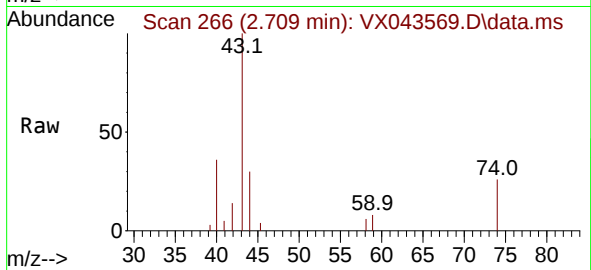




#18
Methyl Acetate
Concen: 0.945 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043569.D
Acq: 28 Oct 2024 17:38

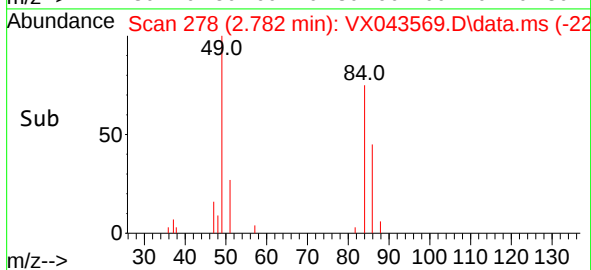
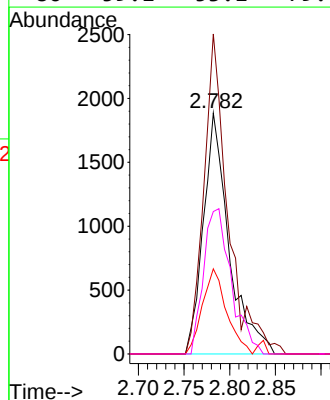
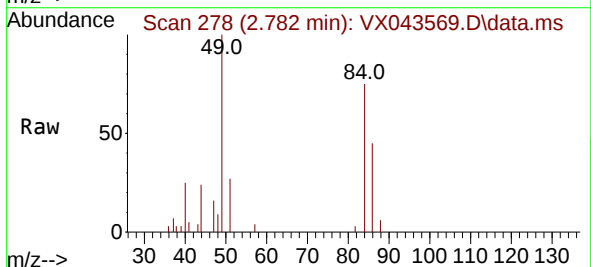
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#01

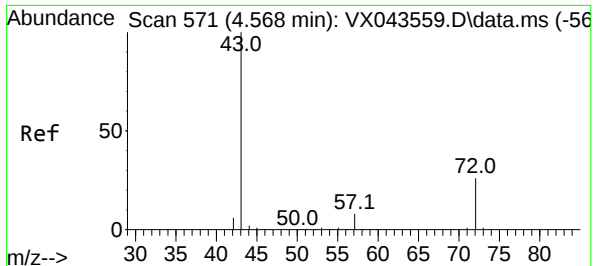
Tgt Ion: 43 Resp: 3729
Ion Ratio Lower Upper
43 100
74 23.1 19.1 28.7



#20
Methylene Chloride
Concen: 1.262 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043569.D
Acq: 28 Oct 2024 17:38

Tgt Ion: 84 Resp: 3674
Ion Ratio Lower Upper
84 100
49 132.8 97.0 145.6
51 35.3 29.8 44.8
86 59.1 53.1 79.7

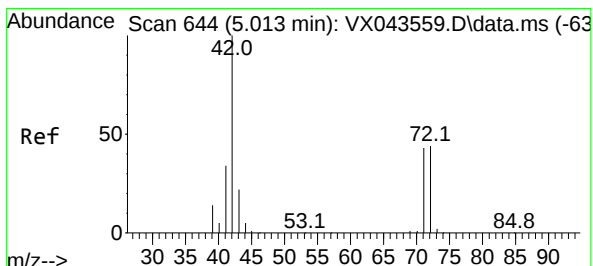
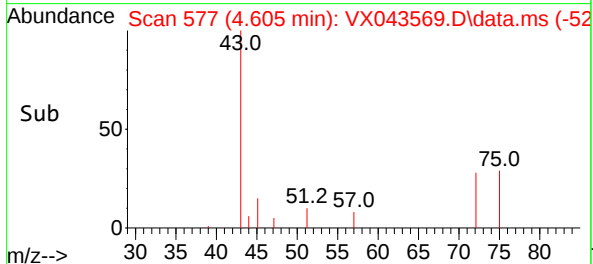
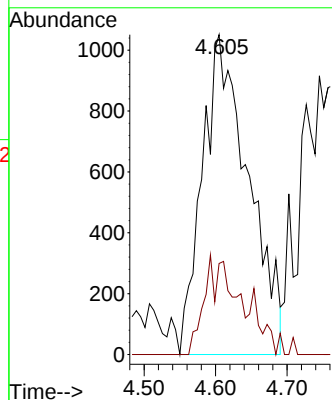
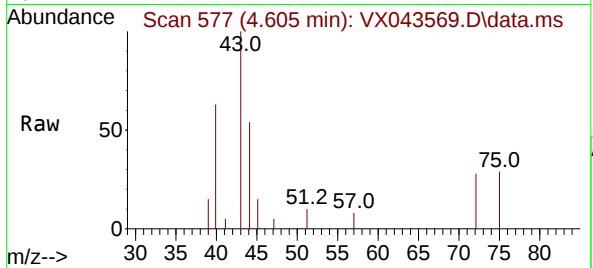




#25
2-Butanone
Concen: 2.386 ug/l
RT: 4.605 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX043569.D
Acq: 28 Oct 2024 17:38

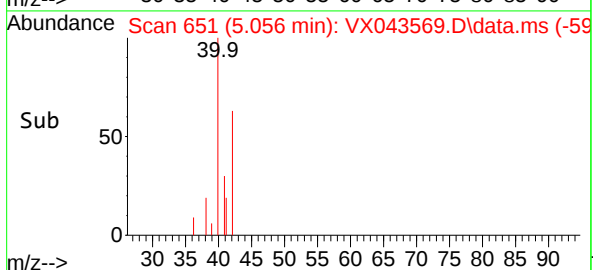
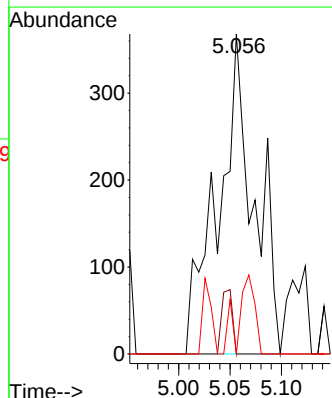
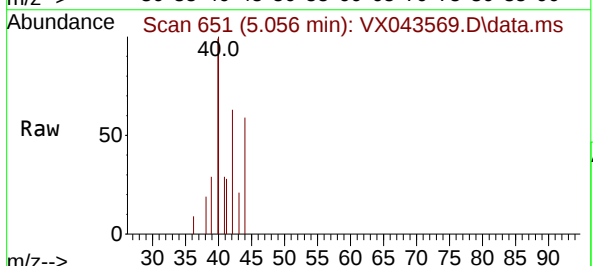
Instrument :
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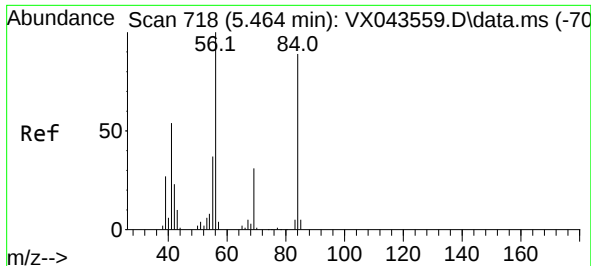
Tgt Ion: 43 Resp: 4702
Ion Ratio Lower Upper
43 100
72 28.4 21.1 31.7



#29
Tetrahydrofuran
Concen: 0.697 ug/l
RT: 5.056 min Scan# 651
Delta R.T. 0.043 min
Lab File: VX043569.D
Acq: 28 Oct 2024 17:38

Tgt Ion: 42 Resp: 892
Ion Ratio Lower Upper
42 100
72 5.9 36.6 55.0#
71 11.5 34.2 51.4#

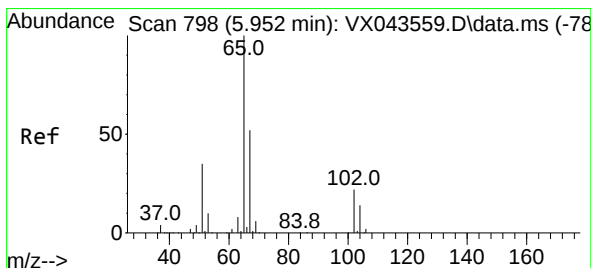
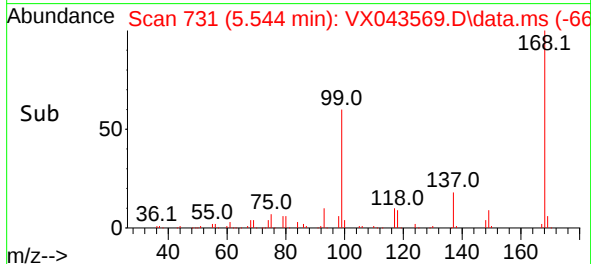
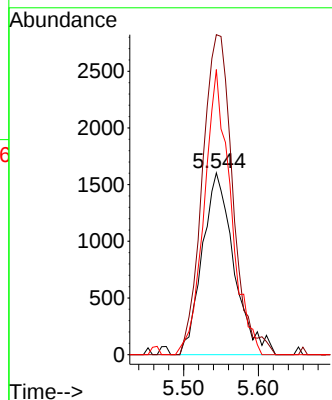
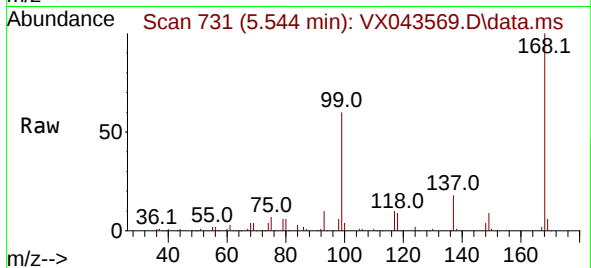




#31
Cyclohexane
Concen: 1.311 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX043569.D
Acq: 28 Oct 2024 17:38

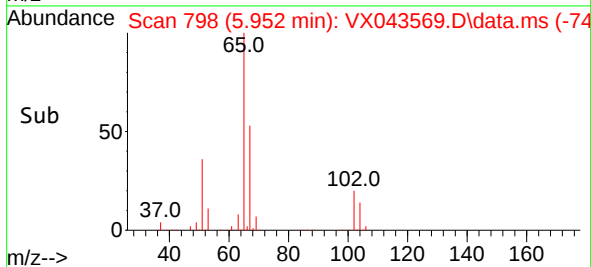
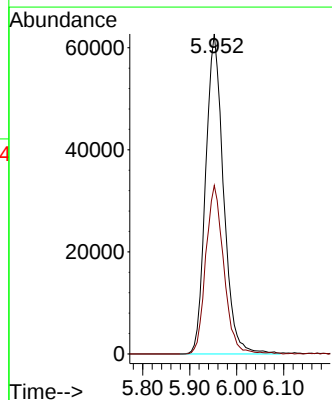
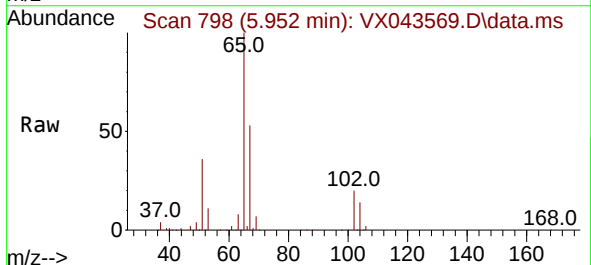
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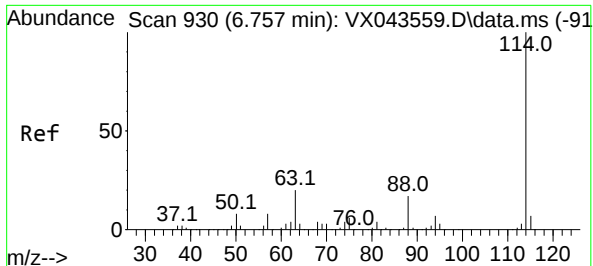
Tgt Ion: 56 Resp: 4709
Ion Ratio Lower Upper
56 100
69 176.0 24.9 37.3#
84 156.8 73.3 109.9#



#33
1,2-Dichloroethane-d4
Concen: 48.564 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043569.D
Acq: 28 Oct 2024 17:38

Tgt Ion: 65 Resp: 165192
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.4

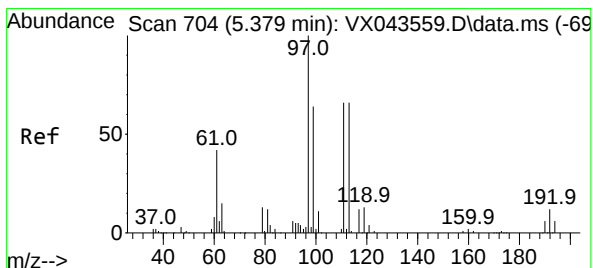
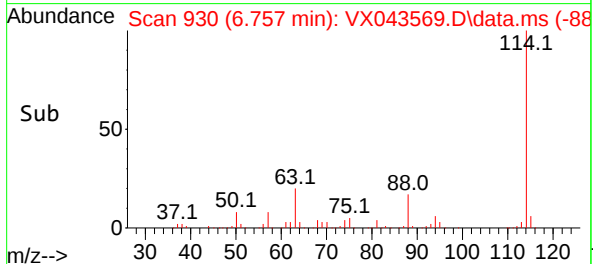
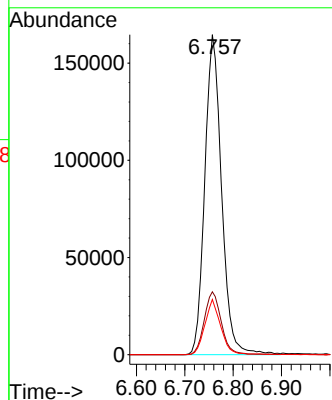
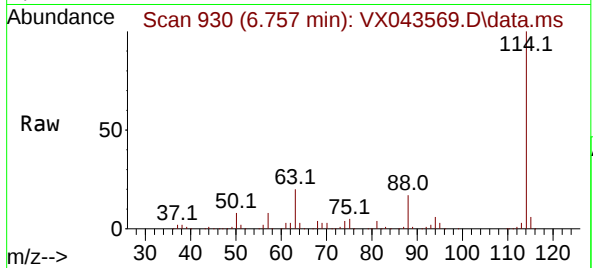




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX043569.D
Acq: 28 Oct 2024 17:38

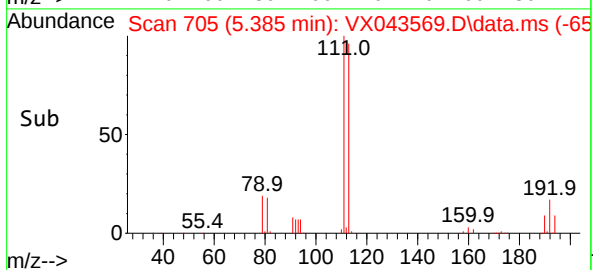
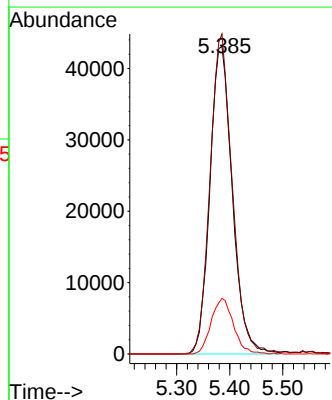
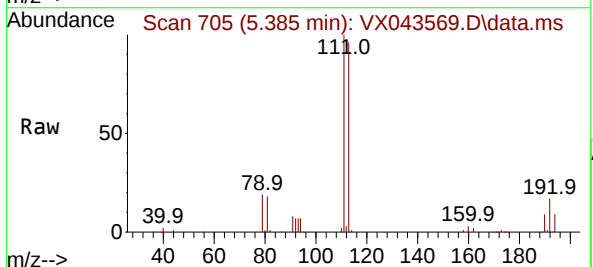
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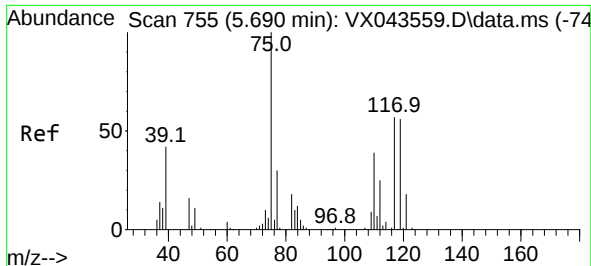
Tgt Ion:114 Resp: 397289
Ion Ratio Lower Upper
114 100
63 19.7 0.0 41.2
88 17.2 0.0 34.0



#35
Dibromofluoromethane
Concen: 47.027 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043569.D
Acq: 28 Oct 2024 17:38

Tgt Ion:113 Resp: 126690
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.0
192 17.9 14.1 21.1

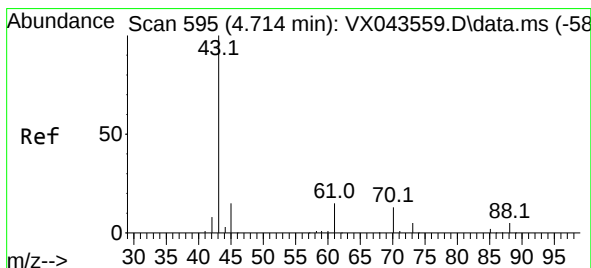
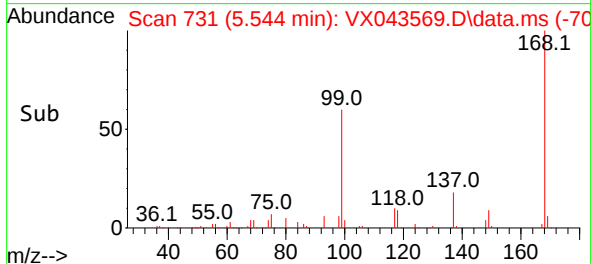
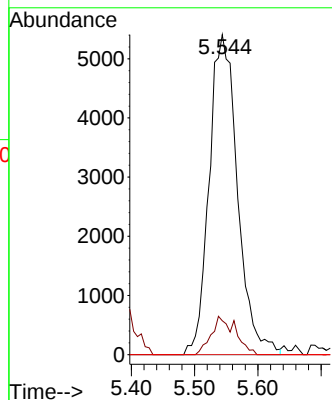
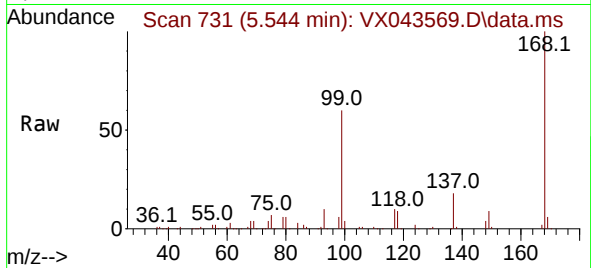




#36
1,1-Dichloropropene
Concen: 5.272 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX043569.D
Acq: 28 Oct 2024 17:38

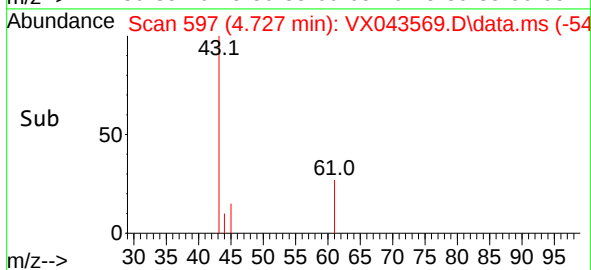
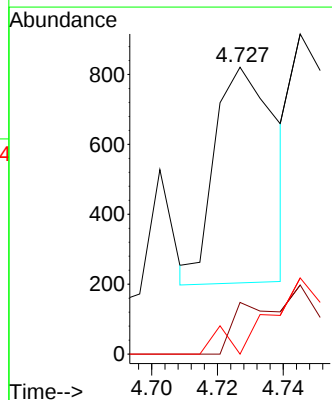
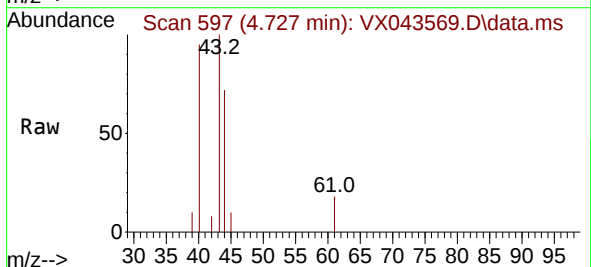
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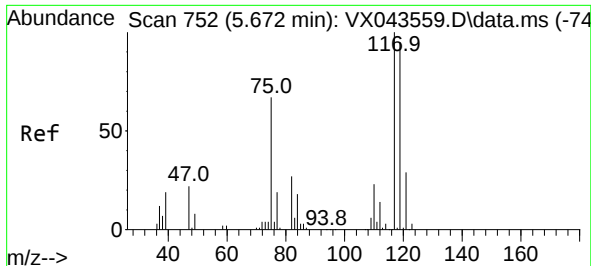
Tgt Ion: 75 Resp: 16840
Ion Ratio Lower Upper
75 100
110 10.2 17.9 53.7#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.206 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.006 min
Lab File: VX043569.D
Acq: 28 Oct 2024 17:38

Tgt Ion: 43 Resp: 797
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6#
70 0.0 8.9 13.3#

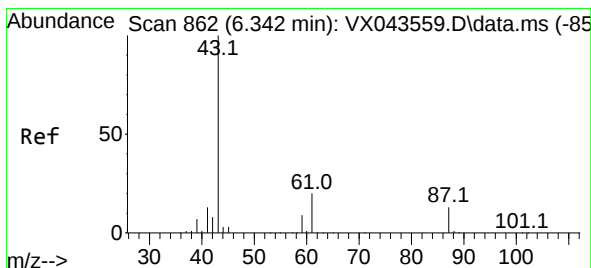
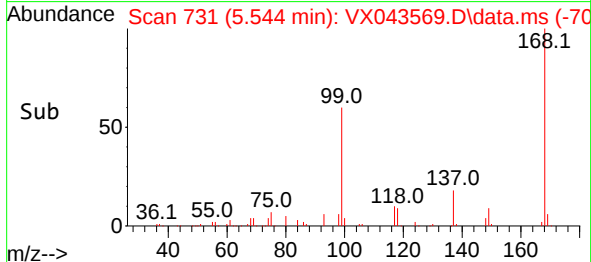
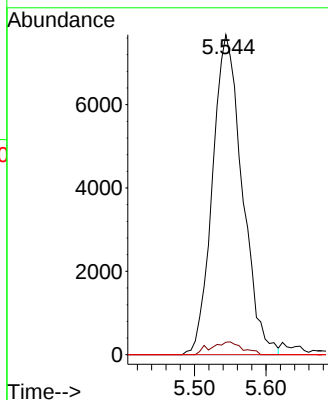
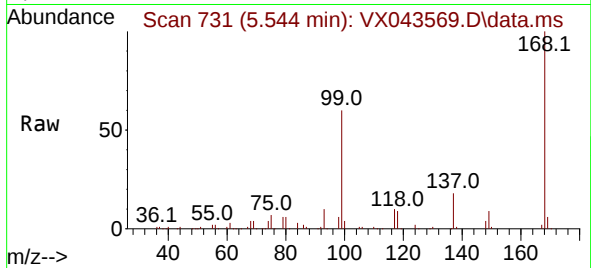




#38
Carbon Tetrachloride
Concen: 6.292 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX043569.D
Acq: 28 Oct 2024 17:38

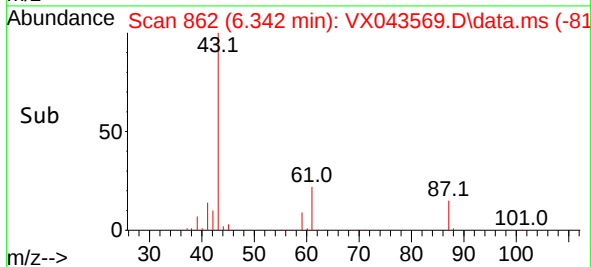
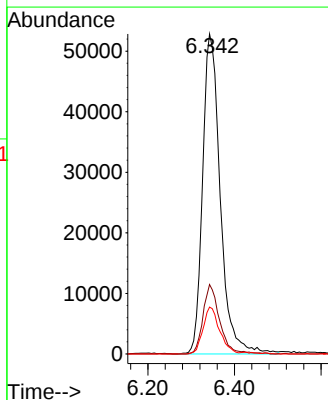
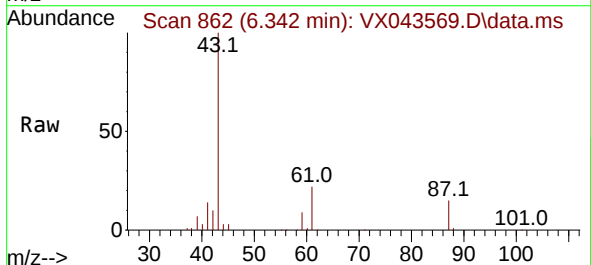
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#01

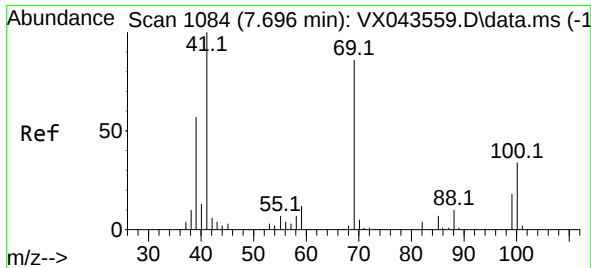
Tgt Ion:117 Resp: 22209
Ion Ratio Lower Upper
117 100
119 3.9 77.0 115.6#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 23.374 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX043569.D
Acq: 28 Oct 2024 17:38

Tgt Ion: 43 Resp: 149910
Ion Ratio Lower Upper
43 100
61 20.4 16.2 24.4
87 13.7 11.0 16.6

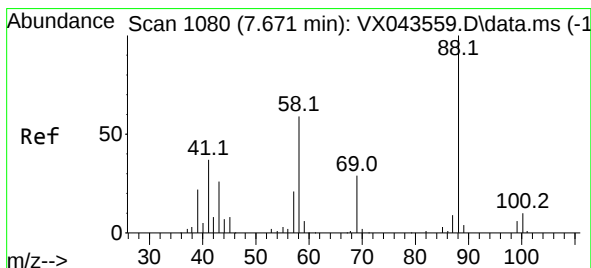
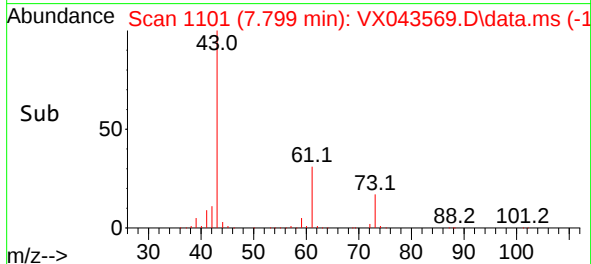
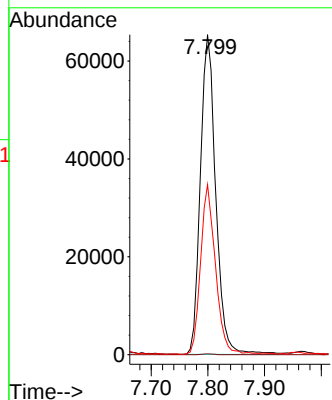
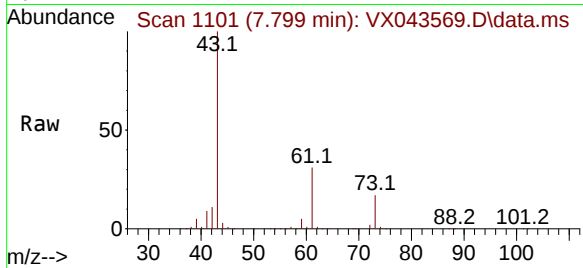




#48
Methyl methacrylate
Concen: 40.442 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043569.D
Acq: 28 Oct 2024 17:38

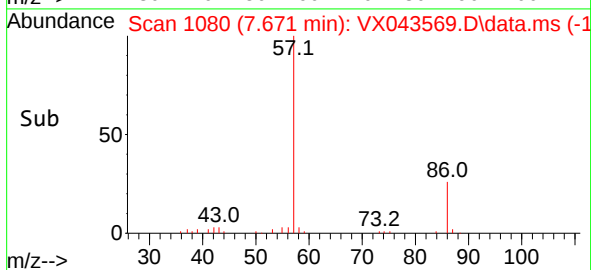
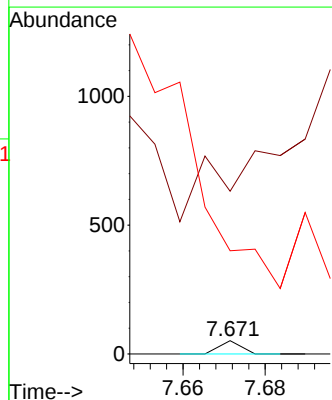
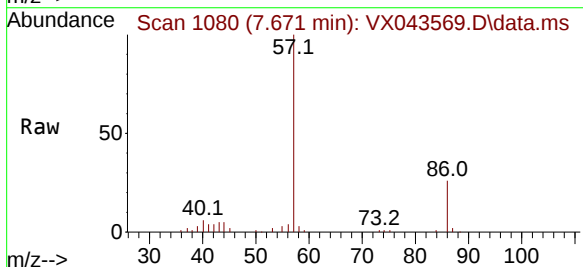
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#01

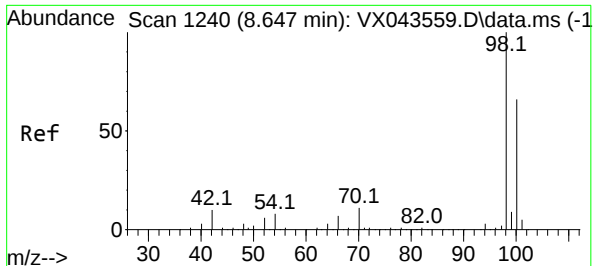
Tgt Ion: 41 Resp: 122977
Ion Ratio Lower Upper
41 100
69 0.2 67.7 101.5#
39 51.1 46.3 69.5



#49
1,4-Dioxane
Concen: 0.304 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.000 min
Lab File: VX043569.D
Acq: 28 Oct 2024 17:38

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 25.3 37.9#
58 0.0 53.9 80.9#





#50

Toluene-d8

Concen: 49.919 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX043569.D

Acq: 28 Oct 2024 17:38

Instrument :

MSVOA_X

ClientSampleId :

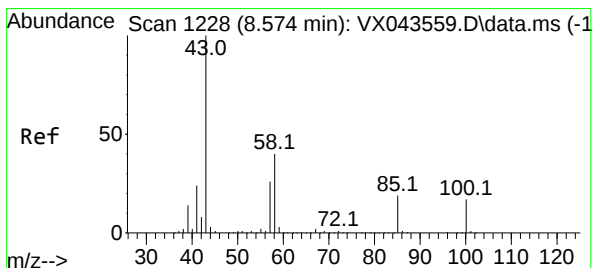
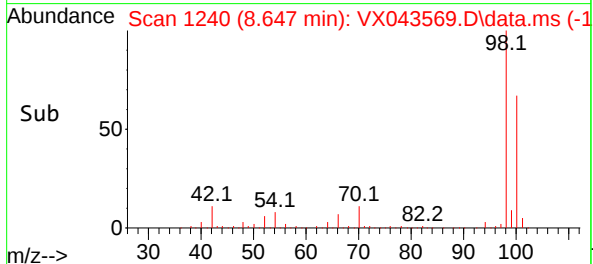
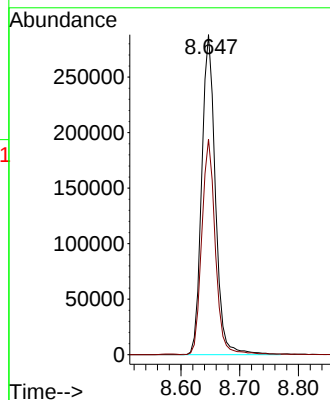
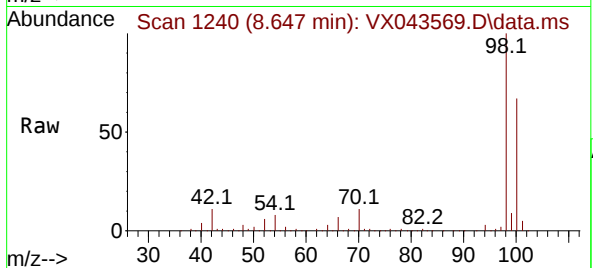
PB164394ZHE#01

Tgt Ion: 98 Resp: 465524

Ion Ratio Lower Upper

98 100

100 66.2 53.4 80.2



#51

4-Methyl-2-Pentanone

Concen: 29.057 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.030 min

Lab File: VX043569.D

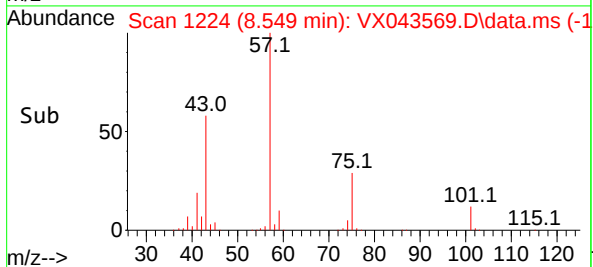
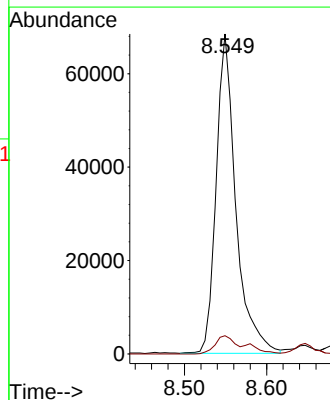
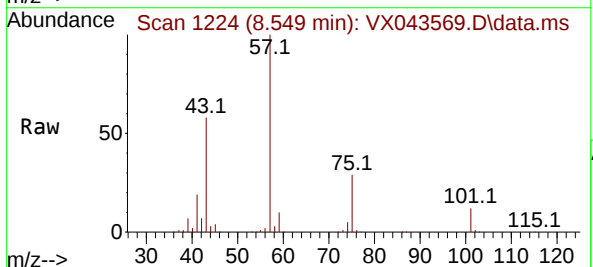
Acq: 28 Oct 2024 17:38

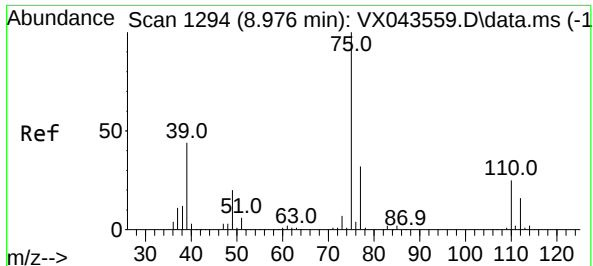
Tgt Ion: 43 Resp: 113587

Ion Ratio Lower Upper

43 100

58 5.7 31.7 47.5#

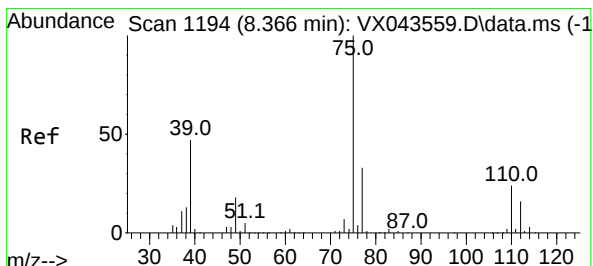
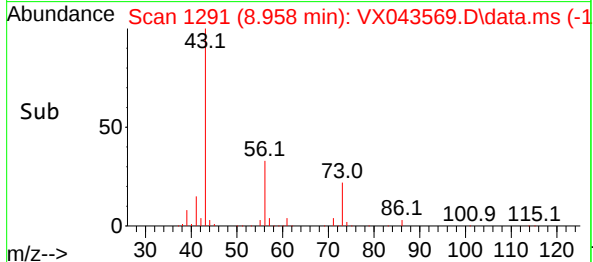
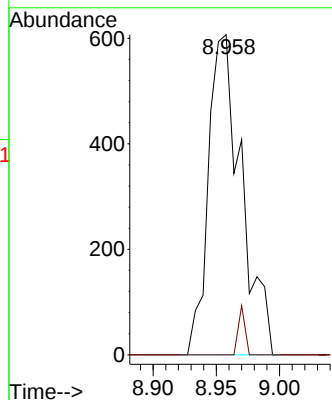
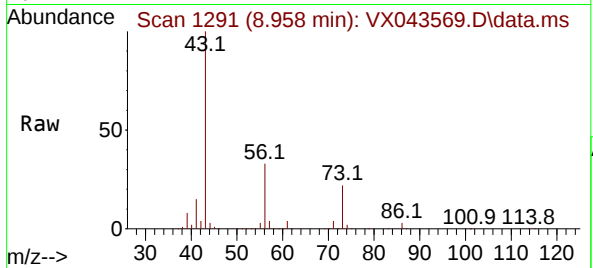




#53
t-1,3-Dichloropropene
Concen: 0.289 ug/l
RT: 8.958 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX043569.D
Acq: 28 Oct 2024 17:38

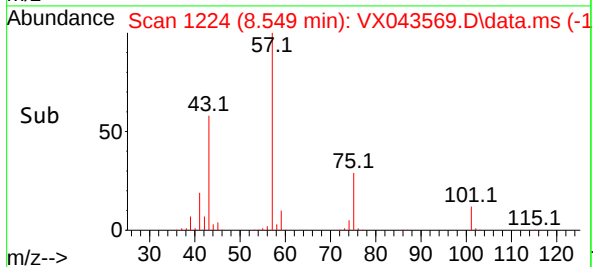
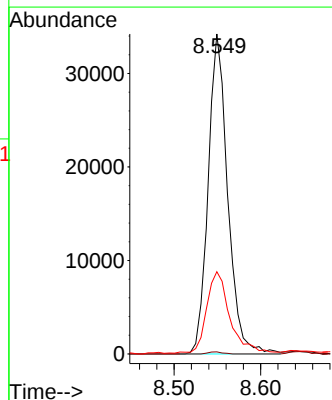
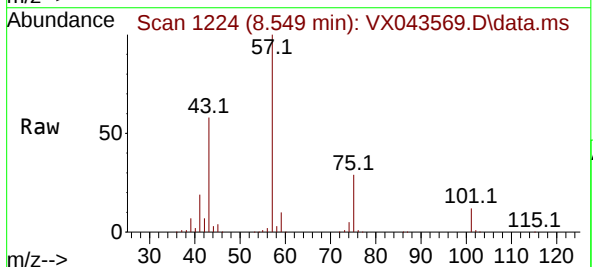
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#01

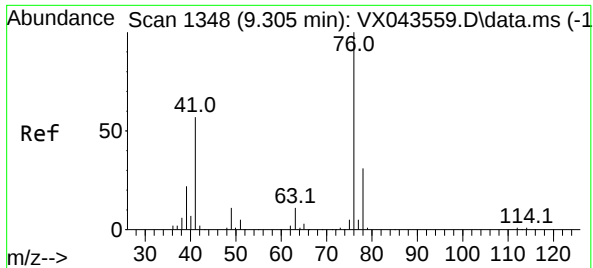
Tgt Ion: 75 Resp: 1099
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#



#54
cis-1,3-Dichloropropene
Concen: 13.237 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX043569.D
Acq: 28 Oct 2024 17:38

Tgt Ion: 75 Resp: 53693
Ion Ratio Lower Upper
75 100
77 0.6 24.8 37.2#
39 25.1 37.7 56.5#





#57

1,3-Dichloropropane

Concen: 1.611 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX043569.D

Acq: 28 Oct 2024 17:38

Instrument :

MSVOA_X

ClientSampleId :

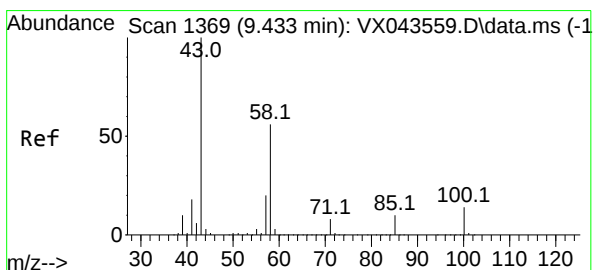
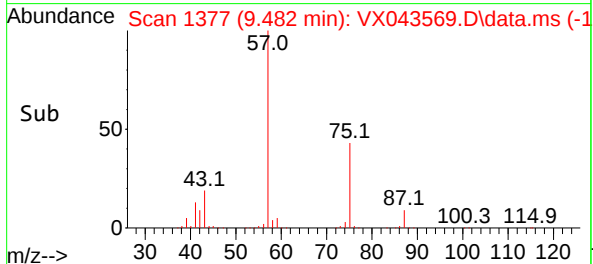
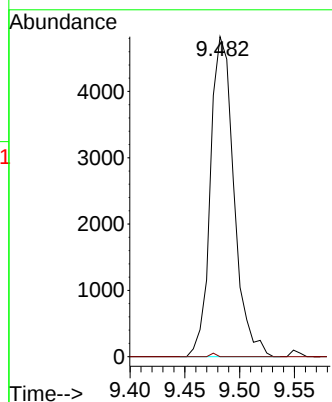
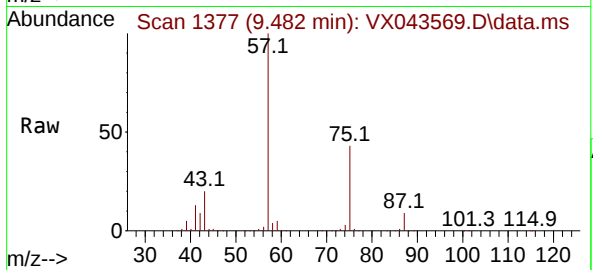
PB164394ZHE#01

Tgt Ion: 76 Resp: 7207

Ion Ratio Lower Upper

76 100

78 0.3 25.9 38.9#



#59

2-Hexanone

Concen: 31.074 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX043569.D

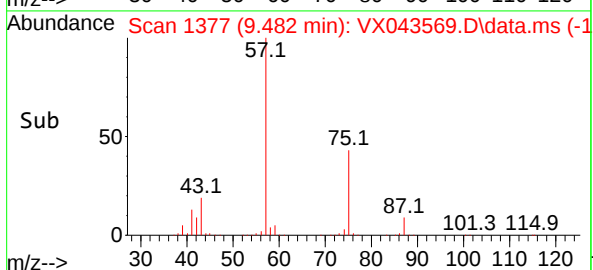
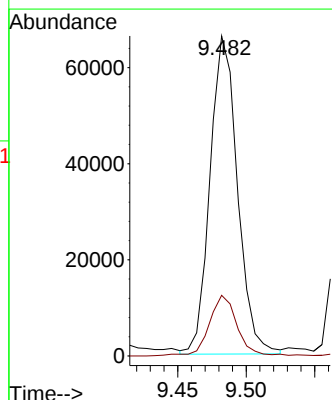
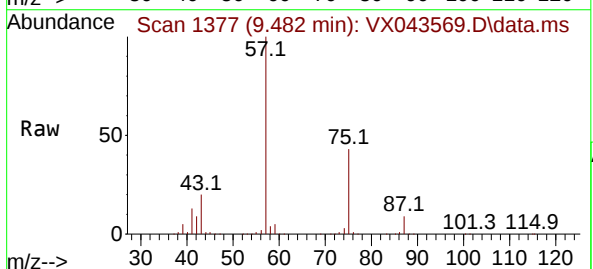
Acq: 28 Oct 2024 17:38

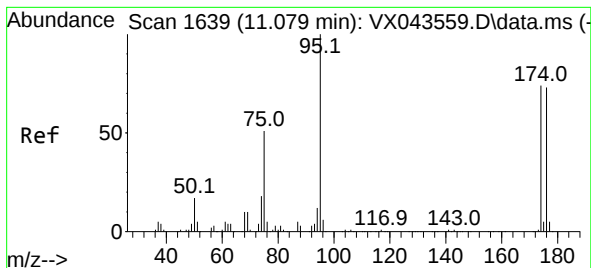
Tgt Ion: 43 Resp: 92256

Ion Ratio Lower Upper

43 100

58 19.6 27.5 82.5#

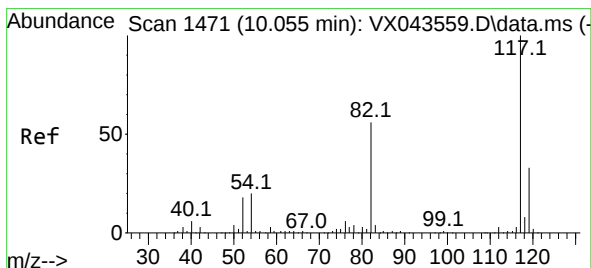
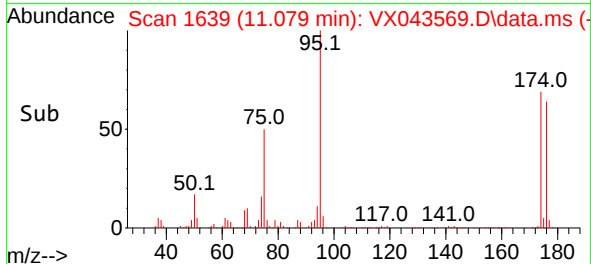
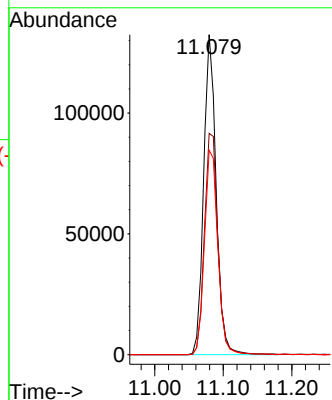
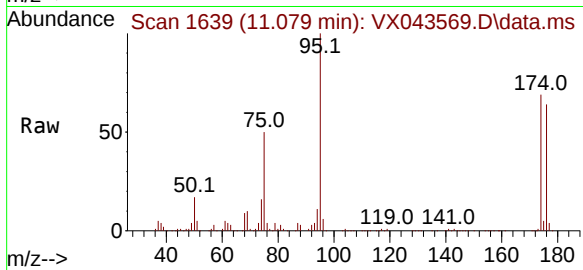




#62
4-Bromofluorobenzene
Concen: 48.764 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043569.D
Acq: 28 Oct 2024 17:38

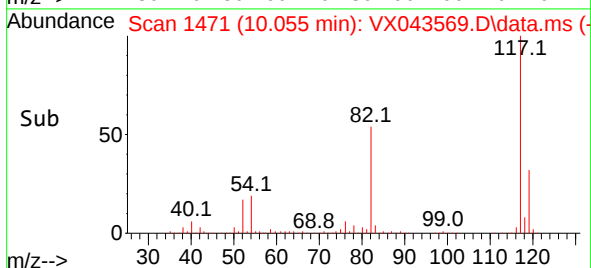
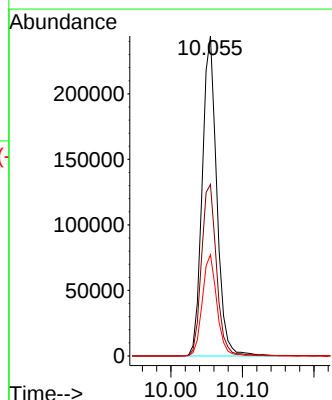
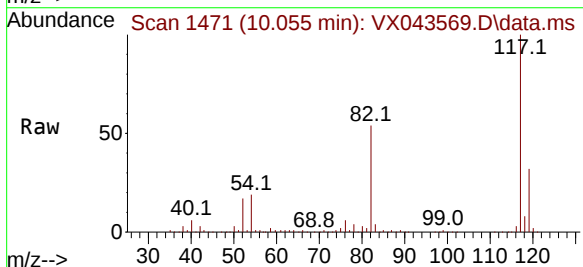
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#01

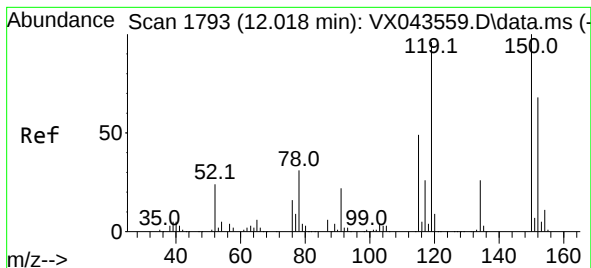
Tgt Ion: 95 Resp: 168510
Ion Ratio Lower Upper
95 100
174 74.4 0.0 146.6
176 68.5 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043569.D
Acq: 28 Oct 2024 17:38

Tgt Ion: 117 Resp: 344990
Ion Ratio Lower Upper
117 100
82 53.6 42.1 63.1
119 31.7 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043569.D

Acq: 28 Oct 2024 17:38

Instrument :

MSVOA_X

ClientSampleId :

PB164394ZHE#01

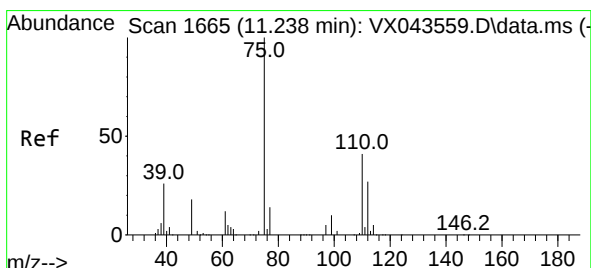
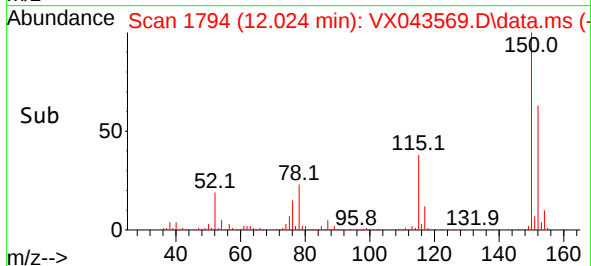
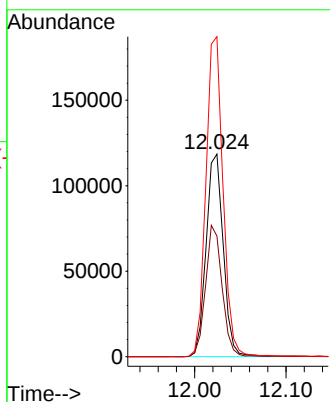
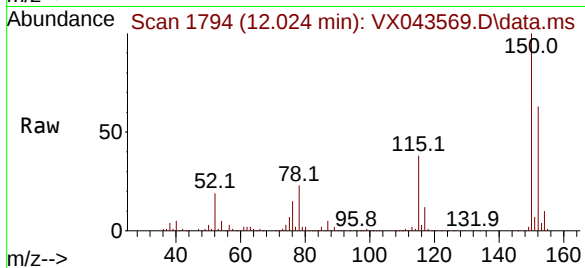
Tgt Ion:152 Resp: 154322

Ion Ratio Lower Upper

152 100

115 62.6 42.9 128.7

150 157.5 0.0 343.6



#76

1,2,3-Trichloropropane

Concen: 25.658 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX043569.D

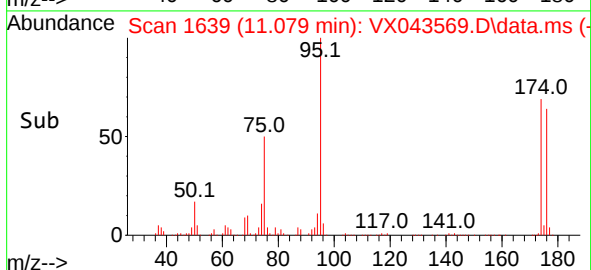
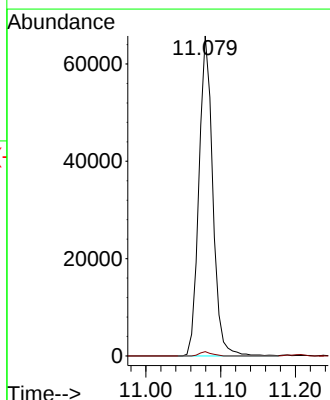
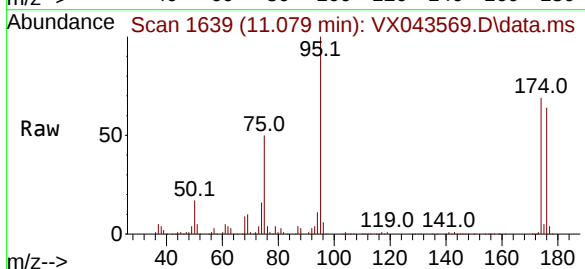
Acq: 28 Oct 2024 17:38

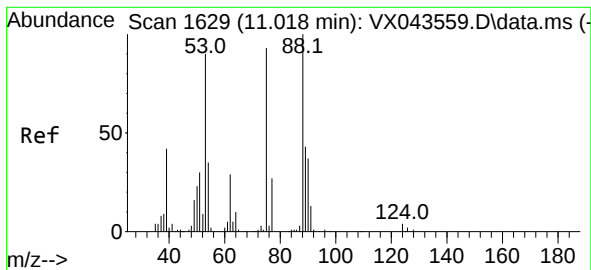
Tgt Ion: 75 Resp: 84662

Ion Ratio Lower Upper

75 100

77 1.2 22.4 67.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.586 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043569.D
 Acq: 28 Oct 2024 17:38

Instrument :
 MSVOA_X
 ClientSampleId :
 PB164394ZHE#01

Tgt Ion: 75 Resp: 84662
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.6 126.8#
 89 0.0 38.6 58.0#

