

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045694.D
 Acq On : 10 Apr 2025 13:27
 Operator : JC/MD
 Sample : Q1754-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-CONCRETE

Quant Time: Apr 11 01:55:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

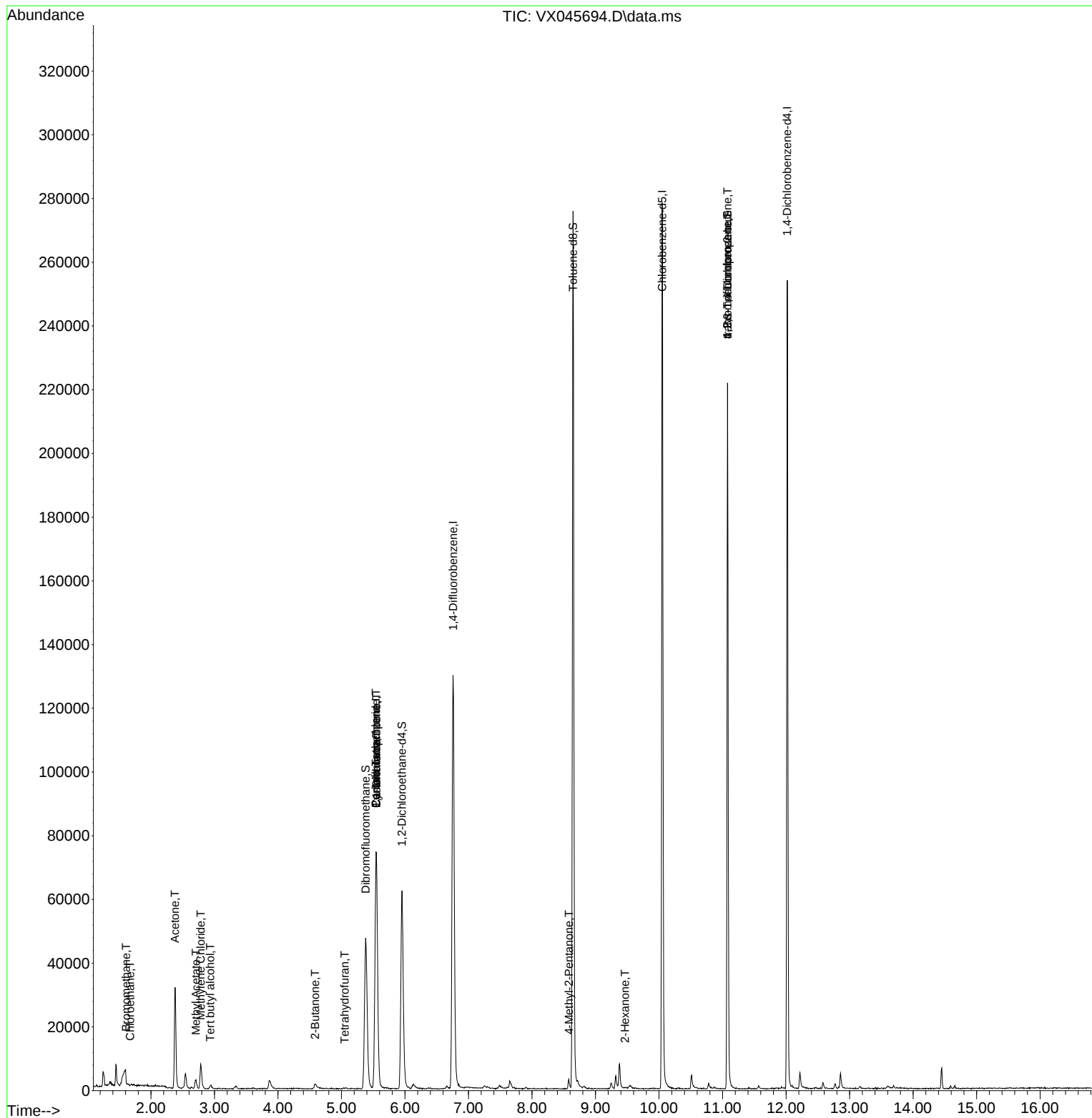
Internal Standards						
1) Pentafluorobenzene	5.544	168	63597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126520	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	115785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	46306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63408	54.520	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.040%			
35) Dibromofluoromethane	5.379	113	40826	45.480	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.960%			
50) Toluene-d8	8.647	98	155088	49.498	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.000%			
62) 4-Bromofluorobenzene	11.079	95	56816	49.783	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.560%			
Target Compounds					Qvalue	
5) Bromomethane	1.605	94	94	0.222	ug/l #	3
6) Chloroethane	1.672	64	140	0.295	ug/l #	42
11) Tert butyl alcohol	2.934	59	807	5.163	ug/l #	72
16) Acetone	2.380	43	35424	74.175	ug/l	96
18) Methyl Acetate	2.709	43	3972	3.612	ug/l	96
20) Methylene Chloride	2.782	84	3438	3.845	ug/l	97
25) 2-Butanone	4.587	43	3164	4.526	ug/l	99
29) Tetrahydrofuran	5.050	42	291	0.642	ug/l #	35
31) Cyclohexane	5.550	56	1930	1.353	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	6349	5.238	ug/l #	50
38) Carbon Tetrachloride	5.544	117	7452	5.689	ug/l #	14
51) 4-Methyl-2-Pentanone	8.580	43	1812	1.181	ug/l	89
59) 2-Hexanone	9.464	43	541	0.476	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	32790	29.030	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	32790	98.525	ug/l #	1

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

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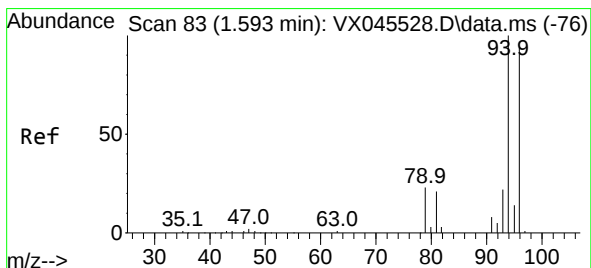
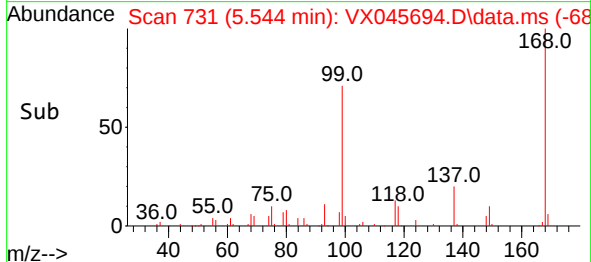
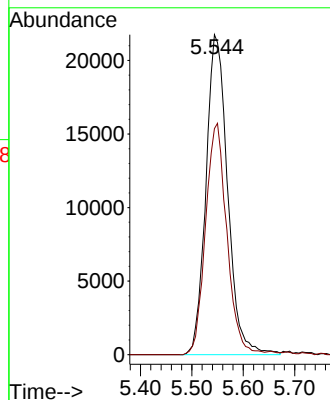
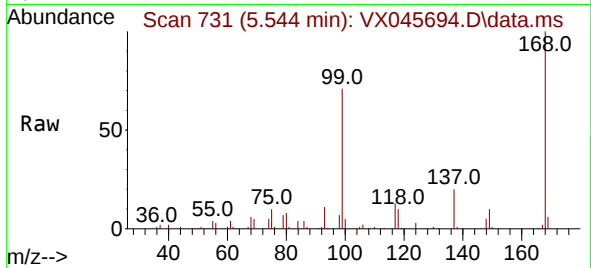




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045694.D
Acq: 10 Apr 2025 13:27

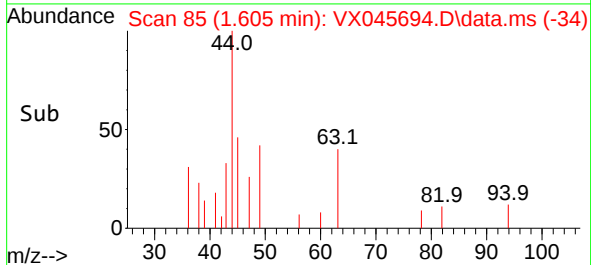
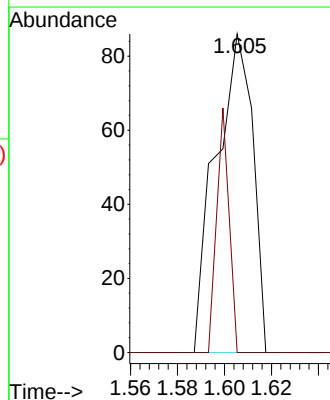
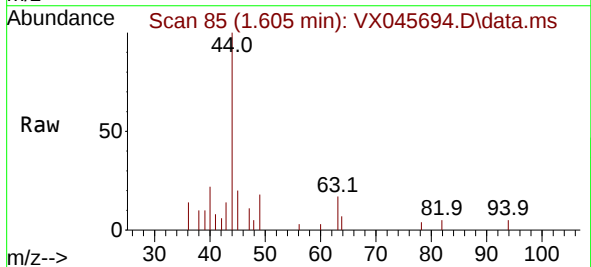
Instrument :
MSVOA_X
ClientSampleId :
TP-1-CONCRETE

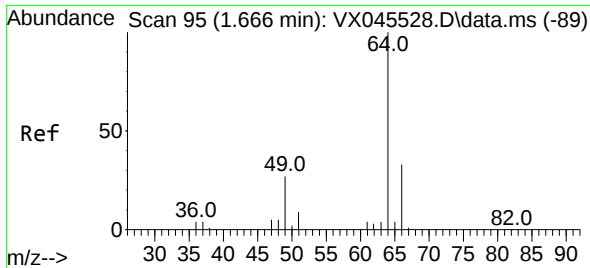
Tgt Ion:168 Resp: 63597
Ion Ratio Lower Upper
168 100
99 70.6 52.3 78.5



#5
Bromomethane
Concen: 0.222 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX045694.D
Acq: 10 Apr 2025 13:27

Tgt Ion: 94 Resp: 94
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#

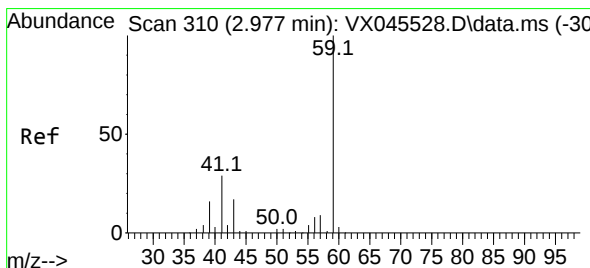
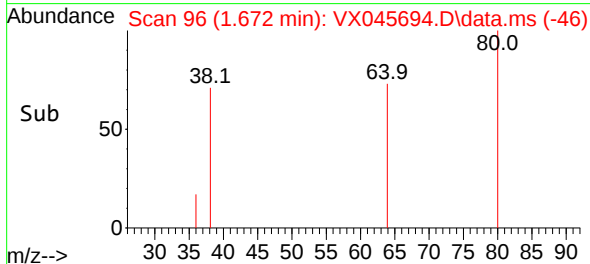
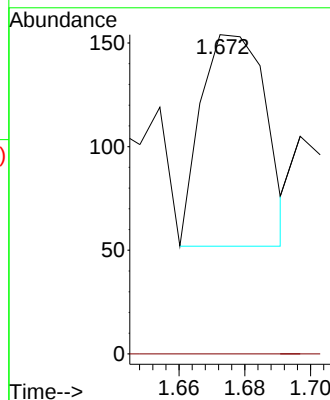
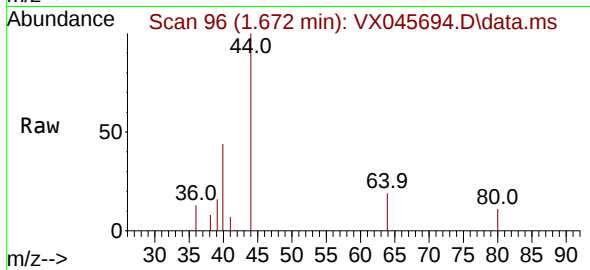




#6
Chloroethane
Concen: 0.295 ug/l
RT: 1.672 min Scan# 90
Delta R.T. 0.006 min
Lab File: VX045694.D
Acq: 10 Apr 2025 13:27

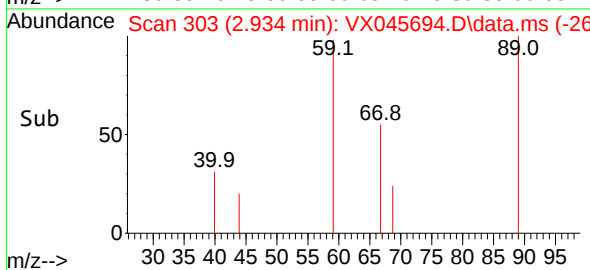
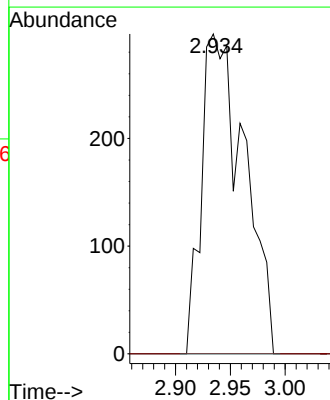
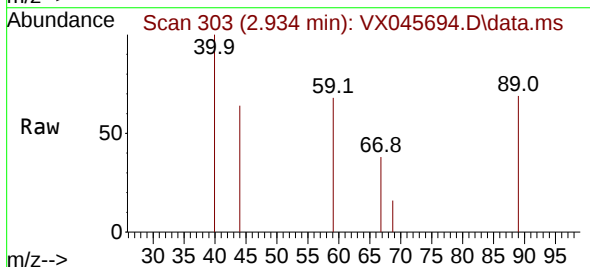
Instrument :
MSVOA_X
ClientSampleId :
TP-1-CONCRETE

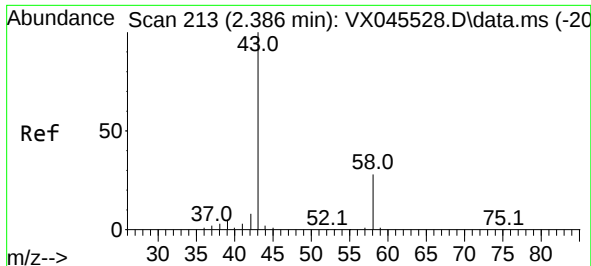
Tgt Ion: 64 Resp: 140
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



#11
Tert butyl alcohol
Concen: 5.163 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.043 min
Lab File: VX045694.D
Acq: 10 Apr 2025 13:27

Tgt Ion: 59 Resp: 807
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

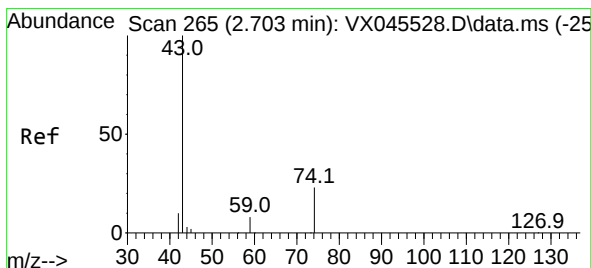
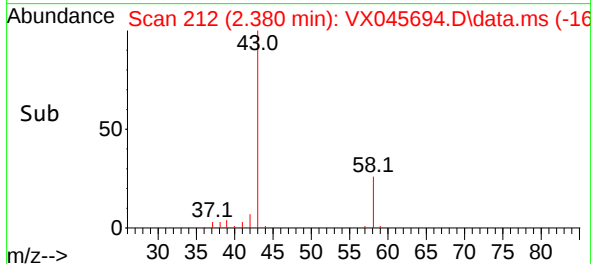
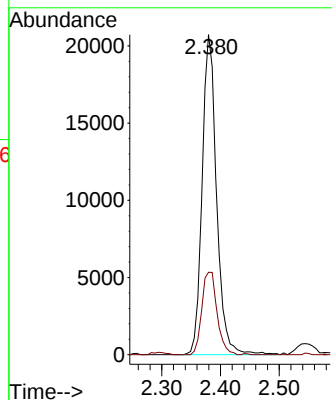
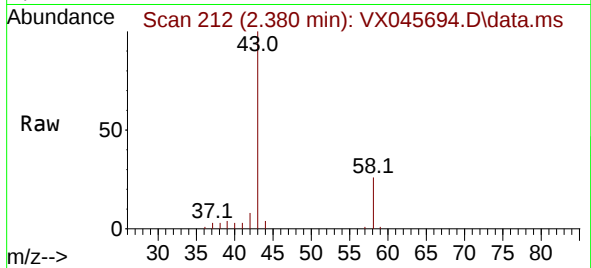




#16
Acetone
Concen: 74.175 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045694.D
Acq: 10 Apr 2025 13:27

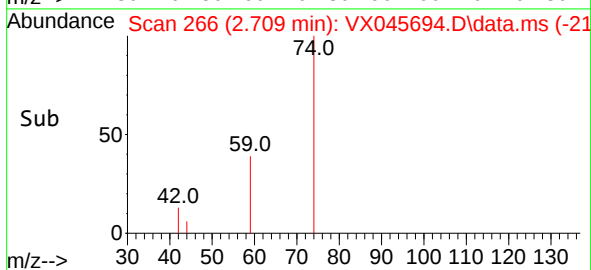
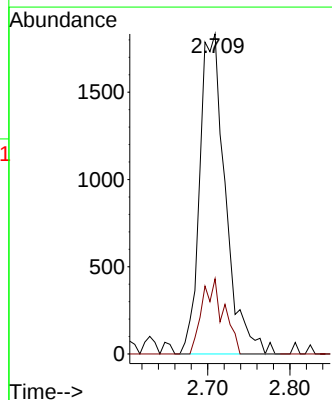
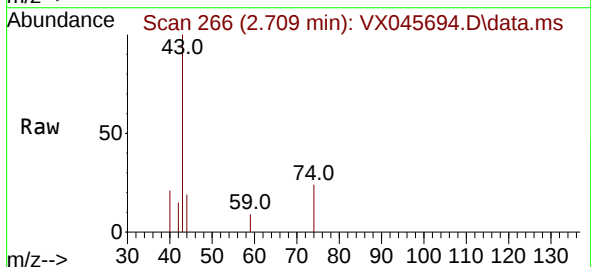
Instrument :
MSVOA_X
ClientSampleId :
TP-1-CONCRETE

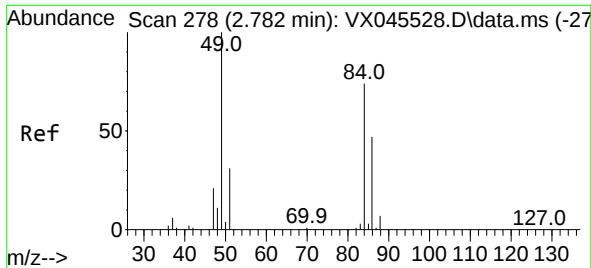
Tgt Ion: 43 Resp: 35424
Ion Ratio Lower Upper
43 100
58 25.8 22.3 33.5



#18
Methyl Acetate
Concen: 3.612 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045694.D
Acq: 10 Apr 2025 13:27

Tgt Ion: 43 Resp: 3972
Ion Ratio Lower Upper
43 100
74 20.0 17.5 26.3

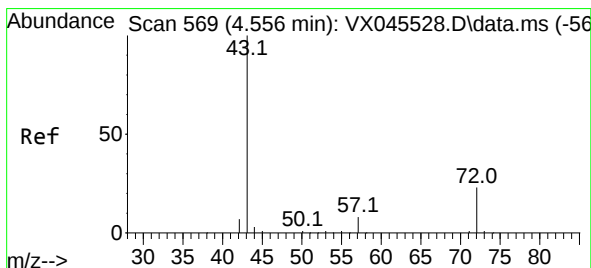
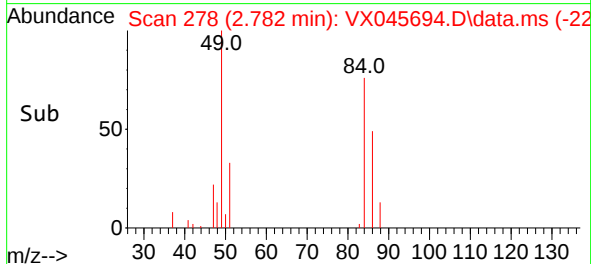
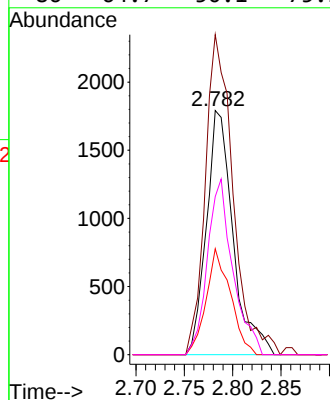
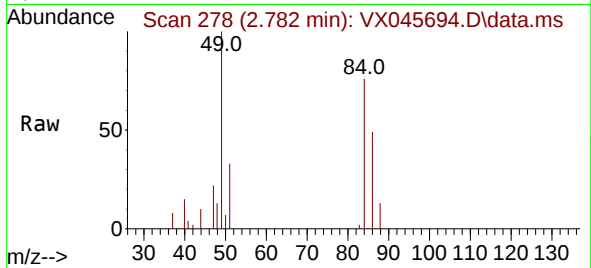




#20
Methylene Chloride
Concen: 3.845 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045694.D
Acq: 10 Apr 2025 13:27

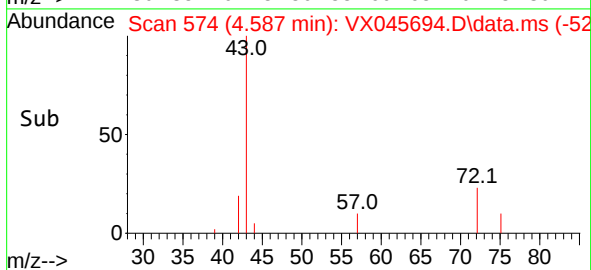
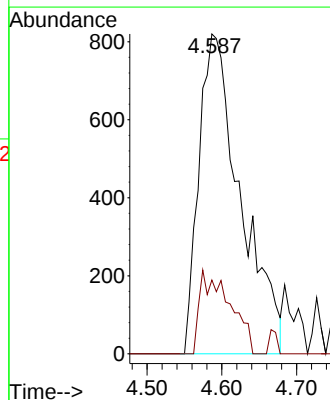
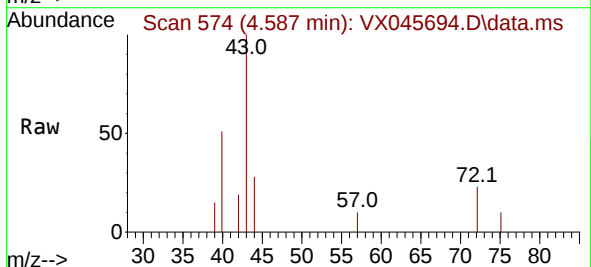
Instrument :
MSVOA_X
ClientSampleId :
TP-1-CONCRETE

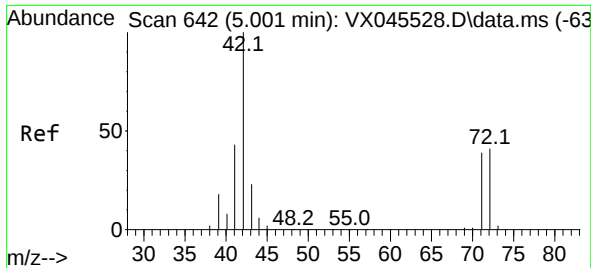
Tgt Ion:	84	Resp:	3438
Ion	Ratio	Lower	Upper
84	100		
49	131.0	107.5	161.3
51	43.4	33.0	49.6
86	64.7	50.1	75.1



#25
2-Butanone
Concen: 4.526 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.031 min
Lab File: VX045694.D
Acq: 10 Apr 2025 13:27

Tgt Ion:	43	Resp:	3164
Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.642 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.049 min

Lab File: VX045694.D

Acq: 10 Apr 2025 13:27

Instrument :

MSVOA_X

ClientSampleId :

TP-1-CONCRETE

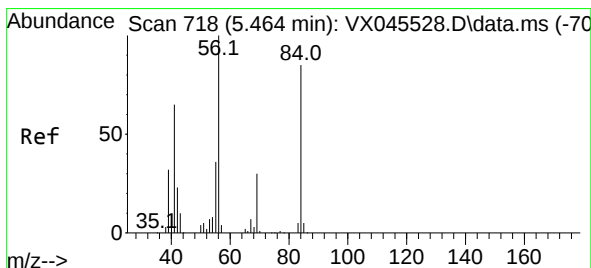
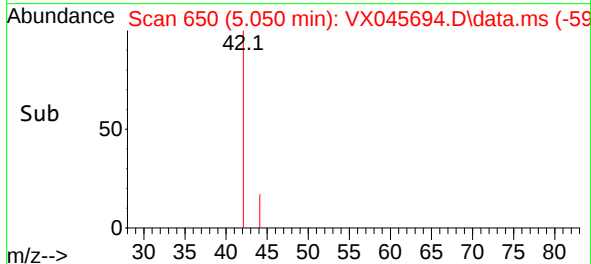
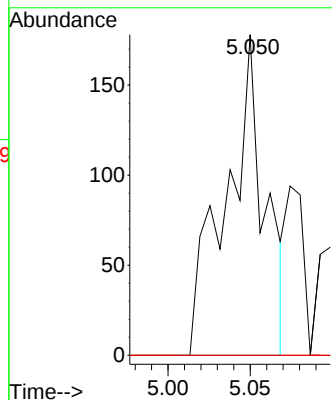
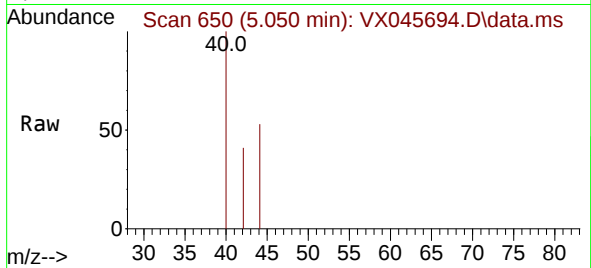
Tgt Ion: 42 Resp: 291

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.353 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045694.D

Acq: 10 Apr 2025 13:27

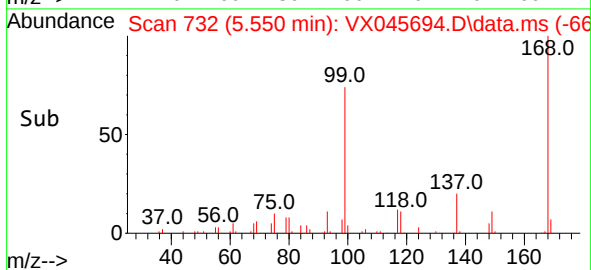
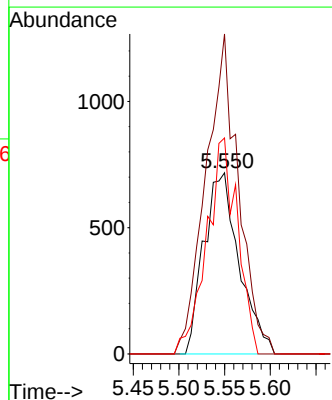
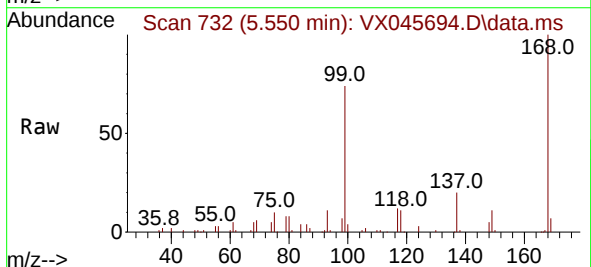
Tgt Ion: 56 Resp: 1930

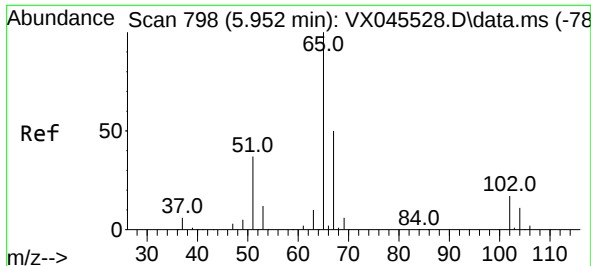
Ion Ratio Lower Upper

56 100

69 176.7 23.6 35.4#

84 119.2 67.7 101.5#

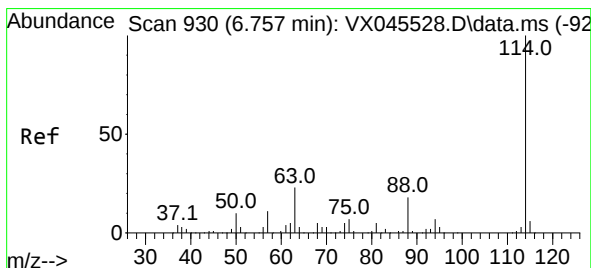
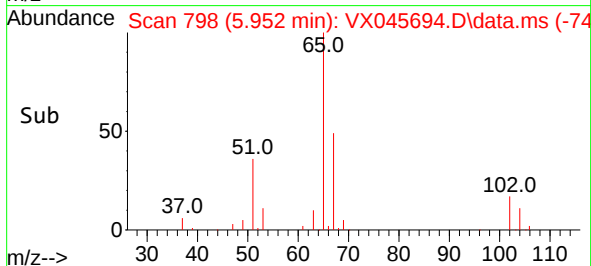
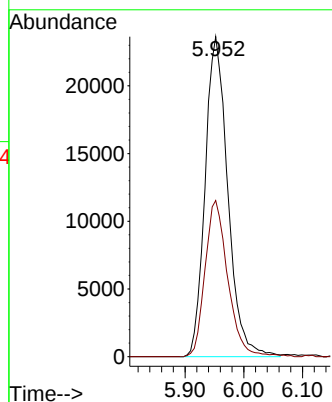
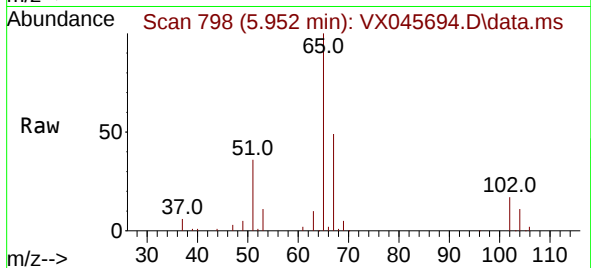




#33
 1,2-Dichloroethane-d4
 Concen: 54.520 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX045694.D
 Acq: 10 Apr 2025 13:27

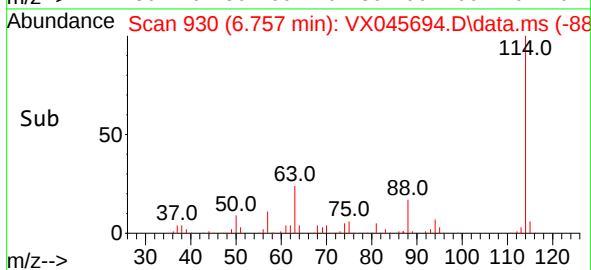
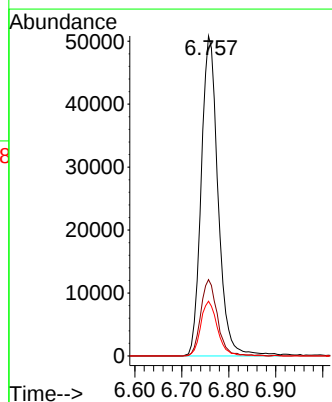
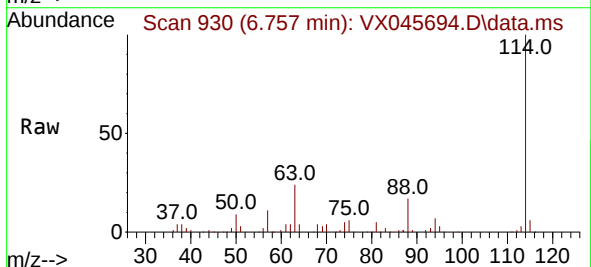
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 TP-1-CONCRETE

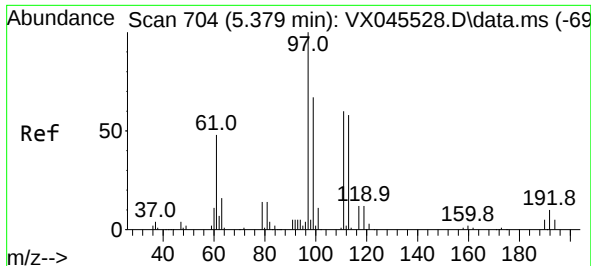
Tgt Ion: 65 Resp: 63408
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX045694.D
 Acq: 10 Apr 2025 13:27

Tgt Ion: 114 Resp: 126520
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 46.8
 88 17.1 0.0 35.4

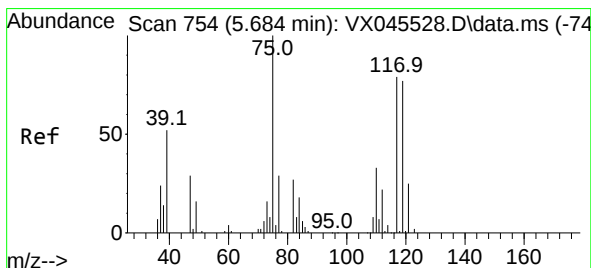
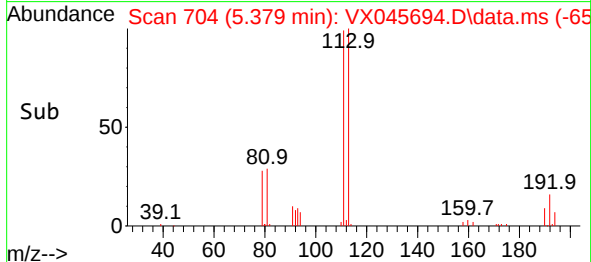
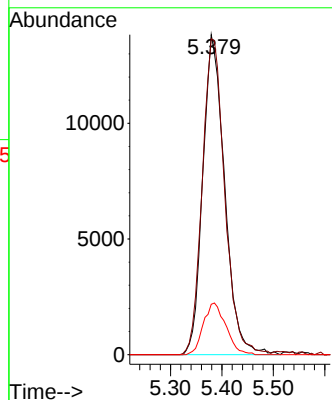
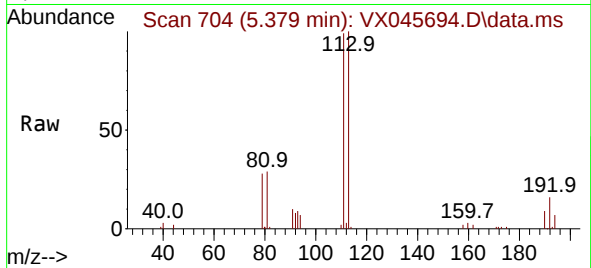




#35
Dibromofluoromethane
Concen: 45.480 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045694.D
Acq: 10 Apr 2025 13:27

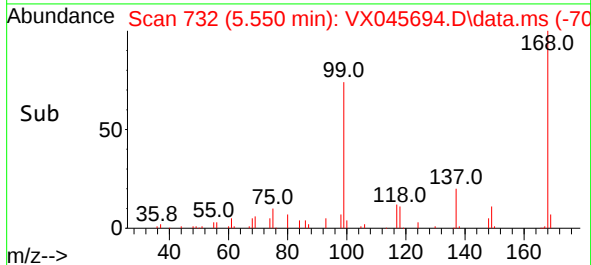
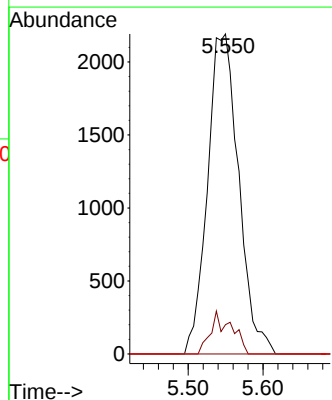
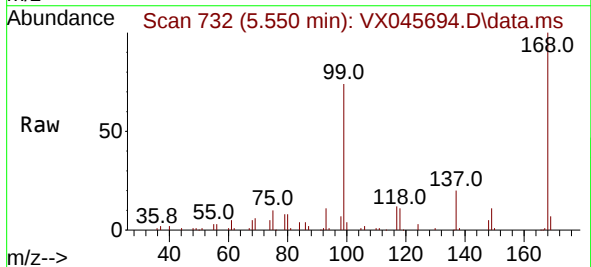
Instrument :
MSVOA_X
ClientSampleId :
TP-1-CONCRETE

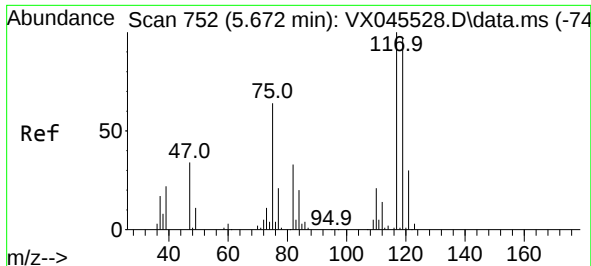
Tgt Ion:113 Resp: 40826
Ion Ratio Lower Upper
113 100
111 101.3 81.8 122.6
192 16.7 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.238 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX045694.D
Acq: 10 Apr 2025 13:27

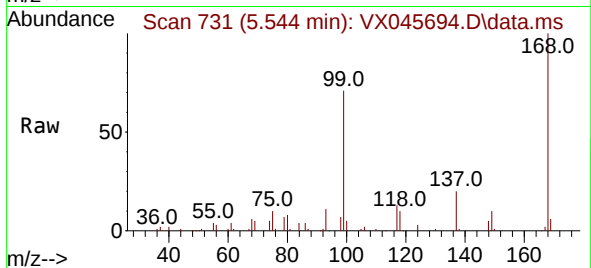
Tgt Ion: 75 Resp: 6349
Ion Ratio Lower Upper
75 100
110 9.0 16.9 50.6#
77 0.0 25.0 37.4#



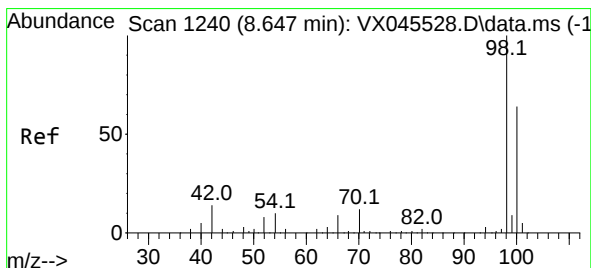
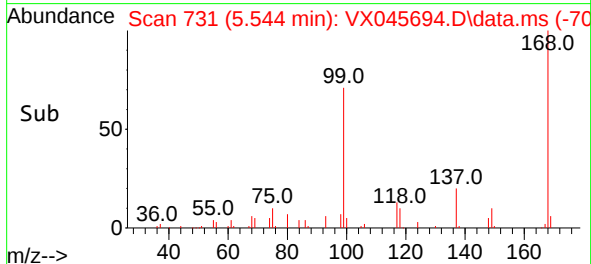
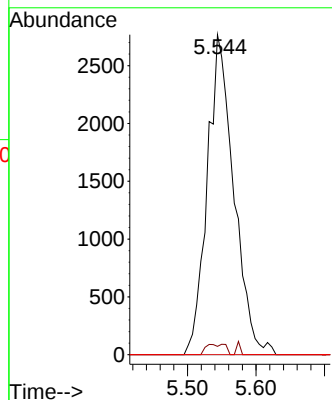


#38
Carbon Tetrachloride
Concen: 5.689 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045694.D
Acq: 10 Apr 2025 13:27

Instrument :
MSVOA_X
ClientSampleId :
TP-1-CONCRETE

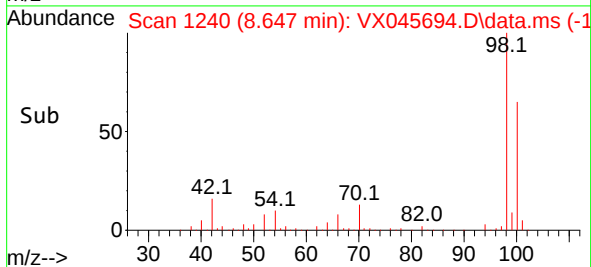
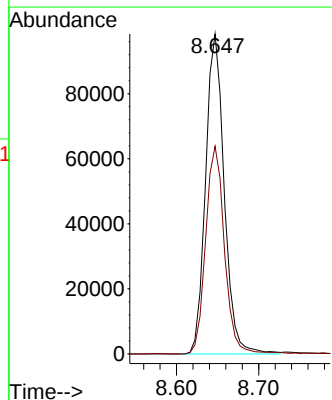
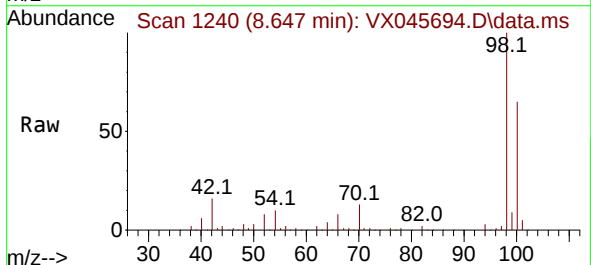


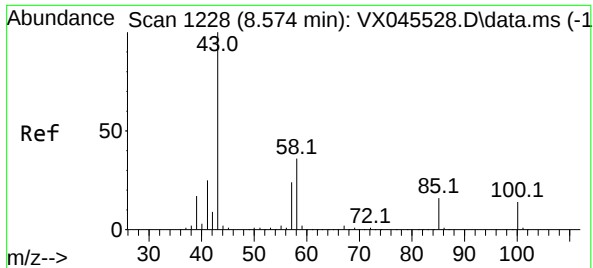
Tgt Ion:117 Resp: 7452
Ion Ratio Lower Upper
117 100
119 2.6 76.9 115.3#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.498 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045694.D
Acq: 10 Apr 2025 13:27

Tgt Ion: 98 Resp: 155088
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.4

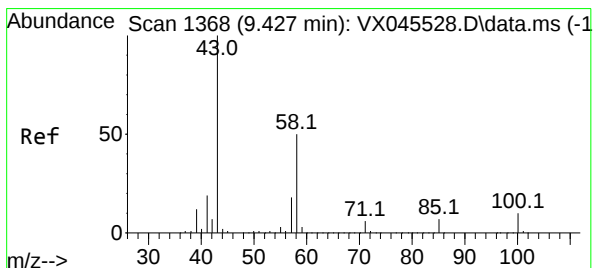
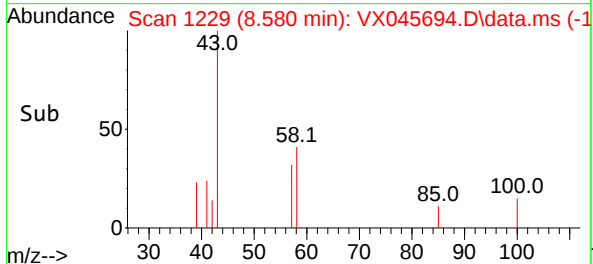
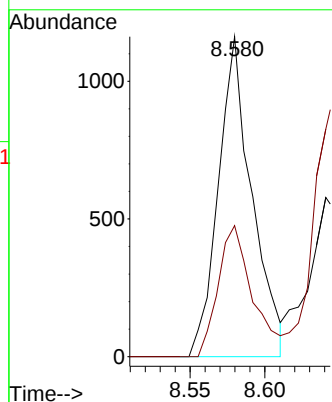
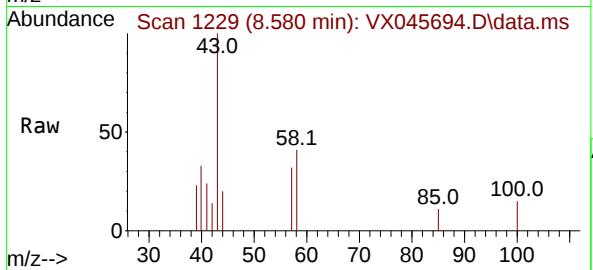




#51
4-Methyl-2-Pentanone
Concen: 1.181 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045694.D
Acq: 10 Apr 2025 13:27

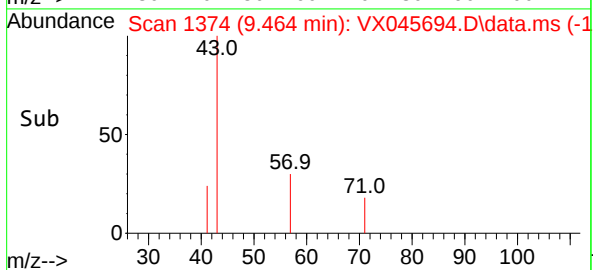
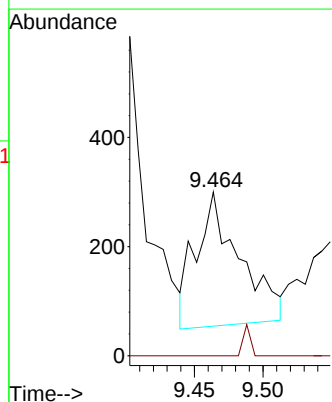
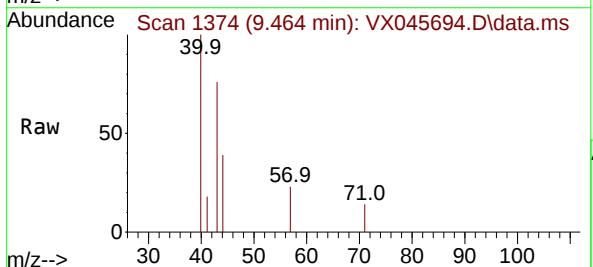
Instrument :
MSVOA_X
ClientSampleId :
TP-1-CONCRETE

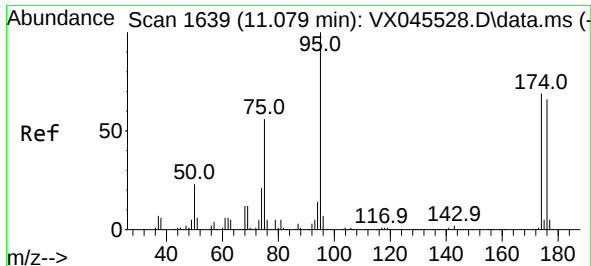
Tgt Ion: 43 Resp: 1812
Ion Ratio Lower Upper
43 100
58 41.9 28.5 42.7



#59
2-Hexanone
Concen: 0.476 ug/l
RT: 9.464 min Scan# 1374
Delta R.T. 0.037 min
Lab File: VX045694.D
Acq: 10 Apr 2025 13:27

Tgt Ion: 43 Resp: 541
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 49.783 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045694.D

Acq: 10 Apr 2025 13:27

Instrument :

MSVOA_X

ClientSampleId :

TP-1-CONCRETE

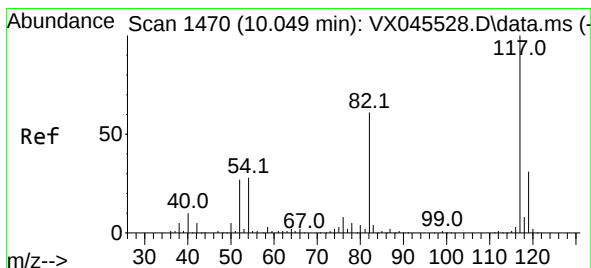
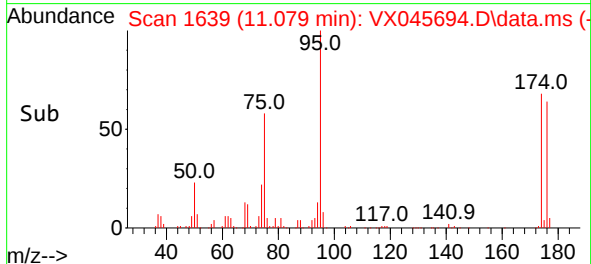
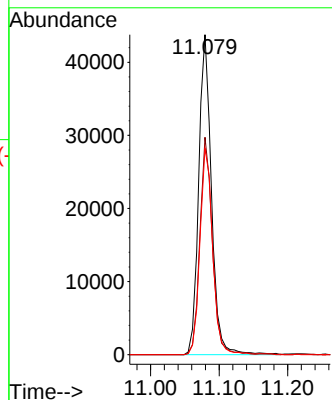
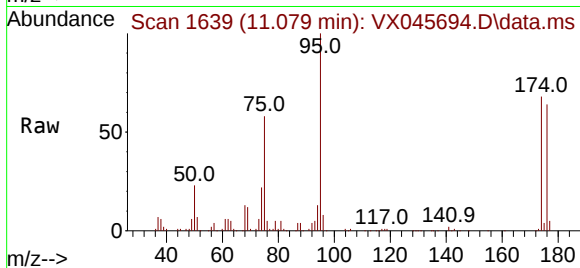
Tgt Ion: 95 Resp: 56816

Ion Ratio Lower Upper

95 100

174 66.5 0.0 135.8

176 64.4 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX045694.D

Acq: 10 Apr 2025 13:27

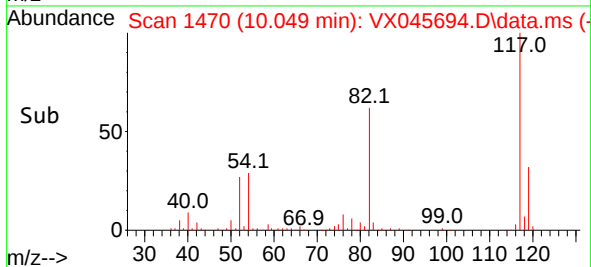
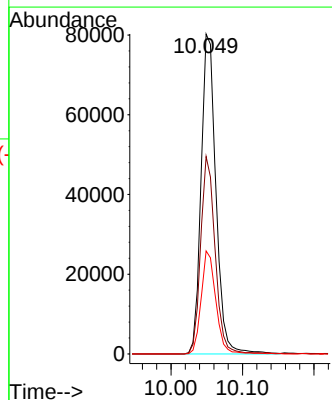
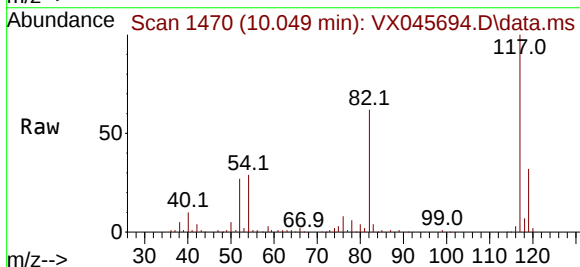
Tgt Ion: 117 Resp: 115785

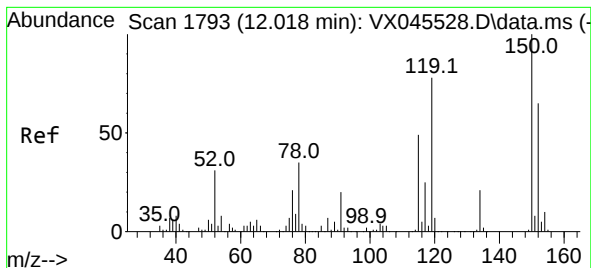
Ion Ratio Lower Upper

117 100

82 61.7 49.2 73.8

119 32.2 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045694.D

Acq: 10 Apr 2025 13:27

Instrument :

MSVOA_X

ClientSampleId :

TP-1-CONCRETE

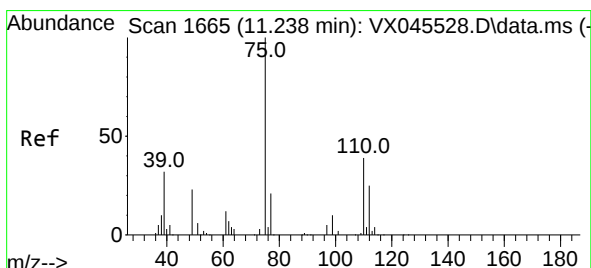
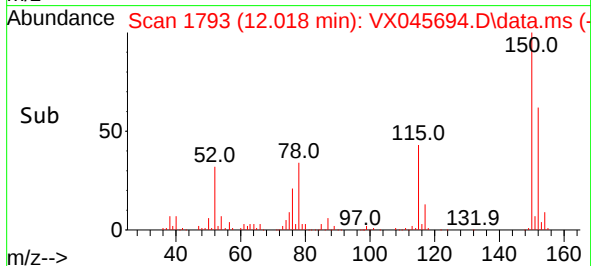
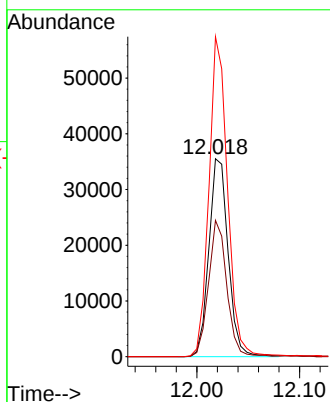
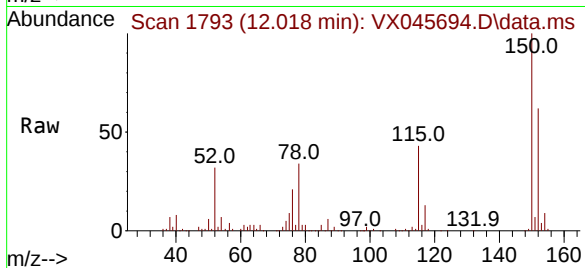
Tgt Ion:152 Resp: 46306

Ion Ratio Lower Upper

152 100

115 65.3 46.9 140.7

150 156.3 0.0 349.4



#76

1,2,3-Trichloropropane

Concen: 29.030 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045694.D

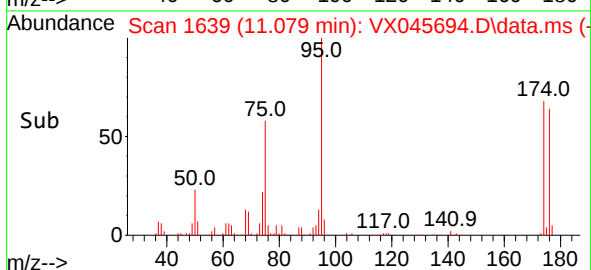
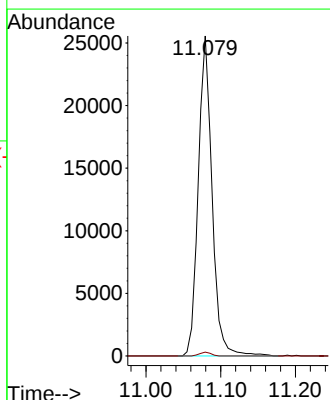
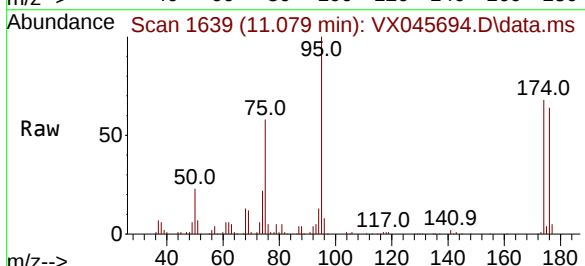
Acq: 10 Apr 2025 13:27

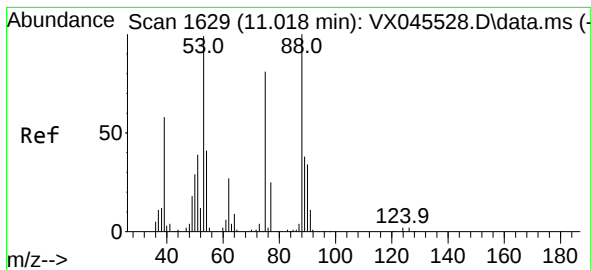
Tgt Ion: 75 Resp: 32790

Ion Ratio Lower Upper

75 100

77 1.0 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.525 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045694.D
 Acq: 10 Apr 2025 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-CONCRETE

Tgt Ion: 75 Resp: 32790
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.1 37.2 55.8#

