

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051925\
 Data File : VX046281.D
 Acq On : 19 May 2025 20:29
 Operator : JC/MD
 Sample : Q2073-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GDW2

Quant Time: May 19 23:19:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

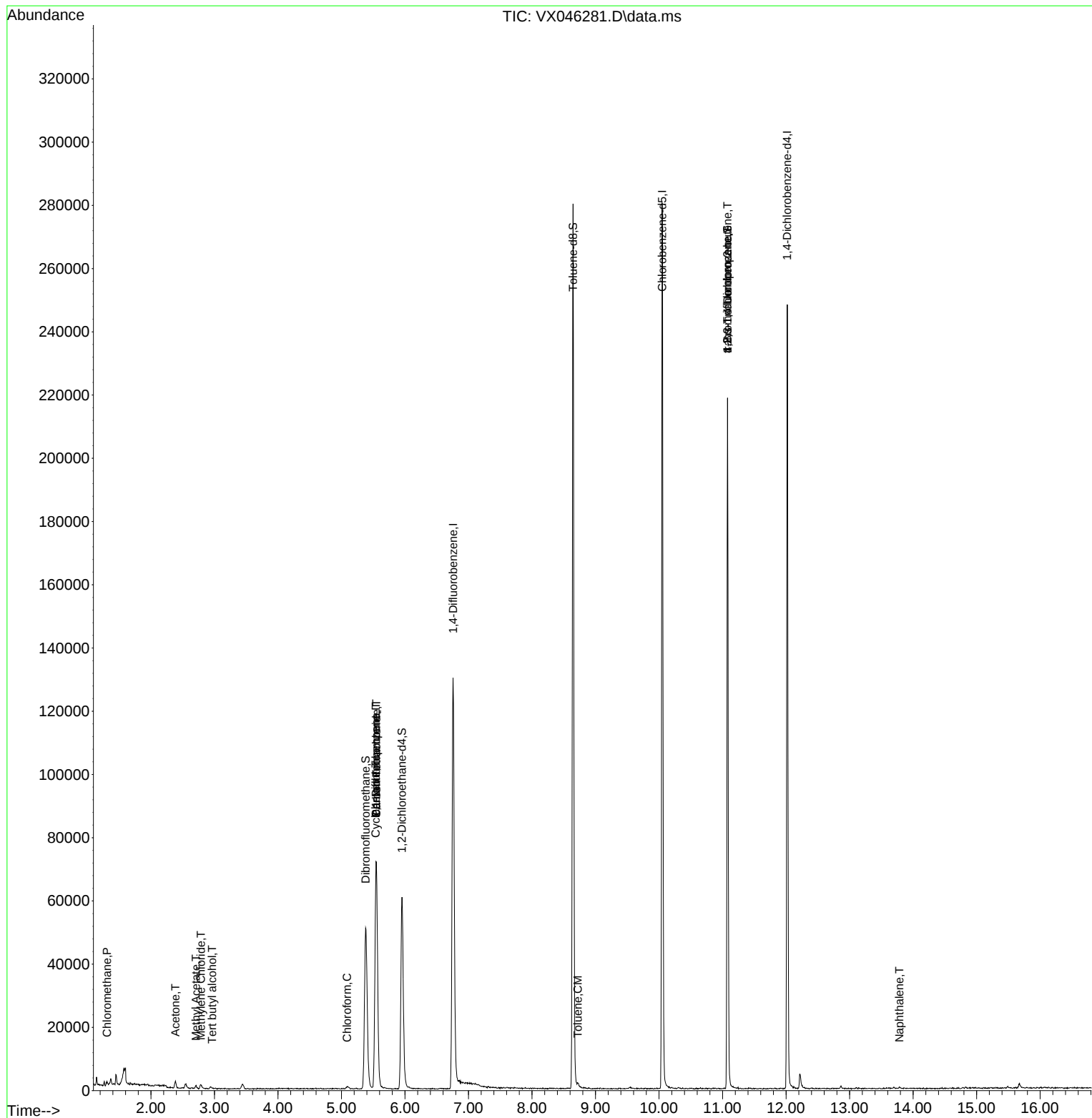
Internal Standards						
1) Pentafluorobenzene	5.544	168	61746	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125249	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	113628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	45883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62475	54.272	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.540%	
35) Dibromofluoromethane	5.379	113	45215	50.132	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.260%	
50) Toluene-d8	8.647	98	155594	49.843	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.680%	
62) 4-Bromofluorobenzene	11.079	95	58373	48.748	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 97.500%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	1006	1.098	ug/l	95
11) Tert butyl alcohol	2.965	59	46	0.285	ug/l #	72
16) Acetone	2.386	43	2378	5.152	ug/l	94
18) Methyl Acetate	2.709	43	1455	1.358	ug/l #	80
20) Methylene Chloride	2.788	84	610	0.690	ug/l #	81
30) Chloroform	5.086	83	1028	0.655	ug/l #	83
31) Cyclohexane	5.538	56	1820	1.327	ug/l #	35
36) 1,1-Dichloropropene	5.544	75	5917	4.883	ug/l #	52
38) Carbon Tetrachloride	5.550	117	7392	5.429	ug/l #	17
52) Toluene	8.720	92	506	0.232	ug/l	83
76) 1,2,3-Trichloropropane	11.079	75	33229	30.087	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33229	97.954	ug/l #	1
95) Naphthalene	13.786	128	693	0.217	ug/l #	69

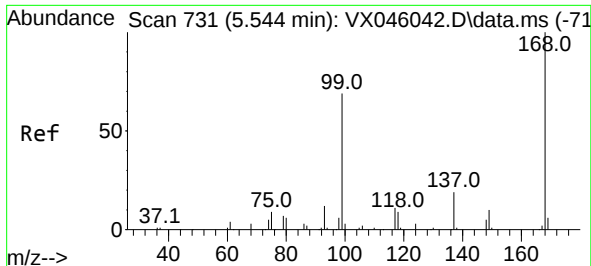
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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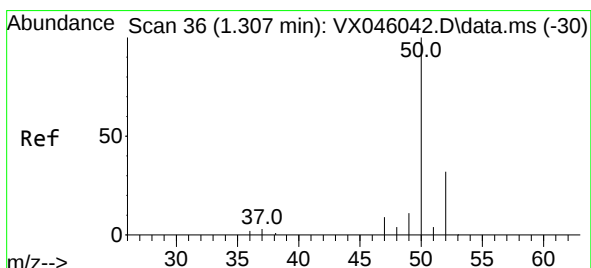
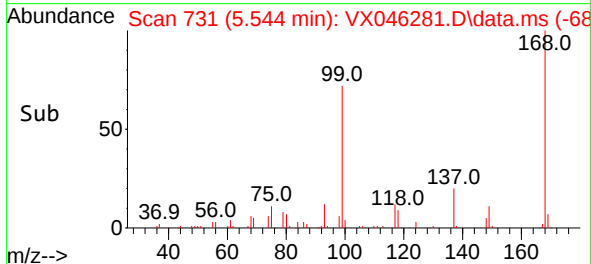
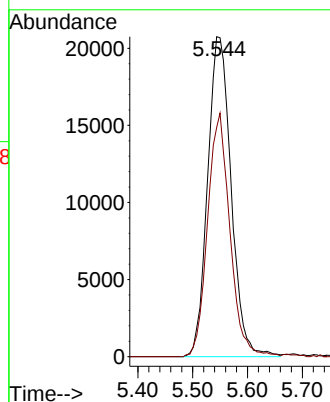
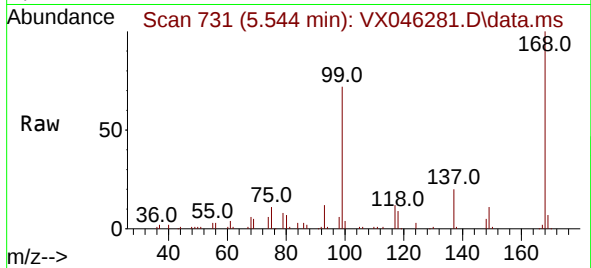




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046281.D
Acq: 19 May 2025 20:29

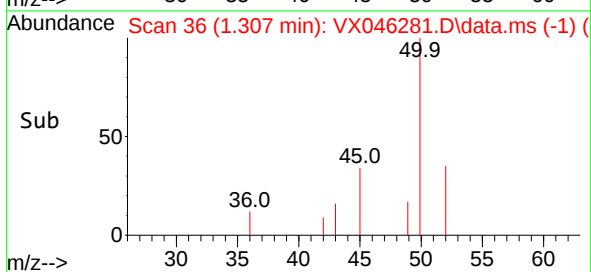
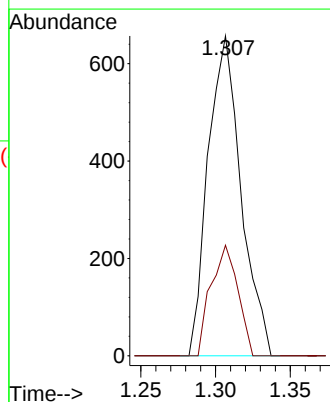
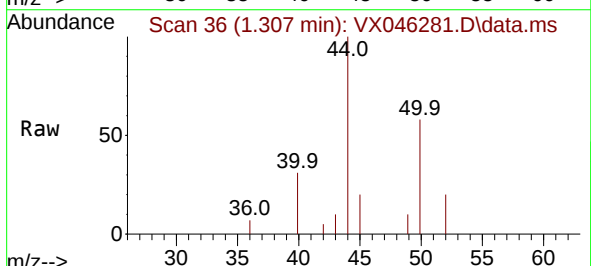
Instrument :
MSVOA_X
ClientSampleId :
GDW2

Tgt Ion:168 Resp: 61746
Ion Ratio Lower Upper
168 100
99 71.6 54.9 82.3



#3
Chloromethane
Concen: 1.098 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046281.D
Acq: 19 May 2025 20:29

Tgt Ion: 50 Resp: 1006
Ion Ratio Lower Upper
50 100
52 34.6 25.4 38.2

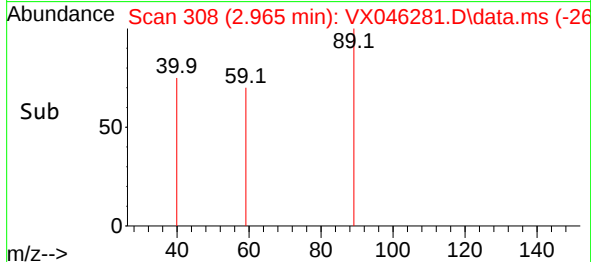
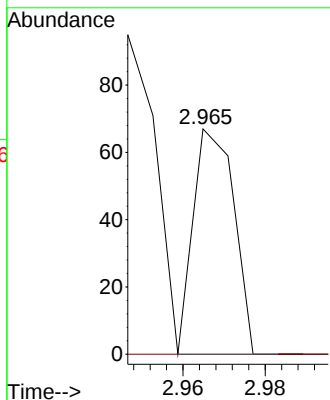
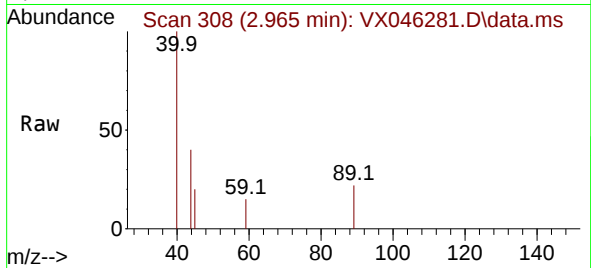




#11
Tert butyl alcohol
Concen: 0.285 ug/l
RT: 2.965 min Scan# 30
Delta R.T. -0.012 min
Lab File: VX046281.D
Acq: 19 May 2025 20:29

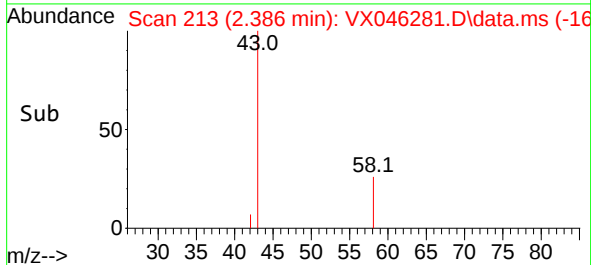
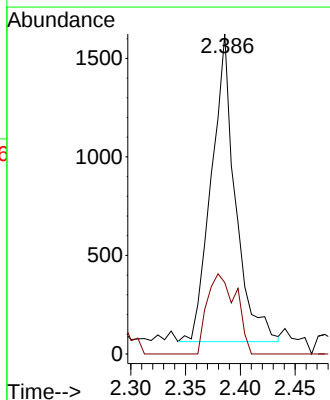
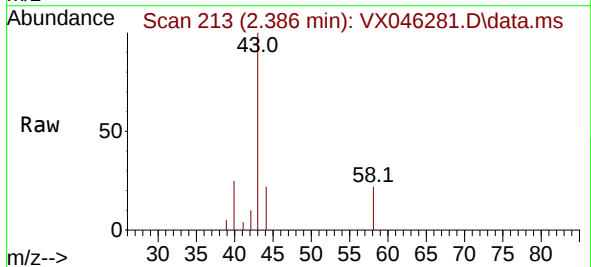
Instrument :
MSVOA_X
ClientSampleId :
GDW2

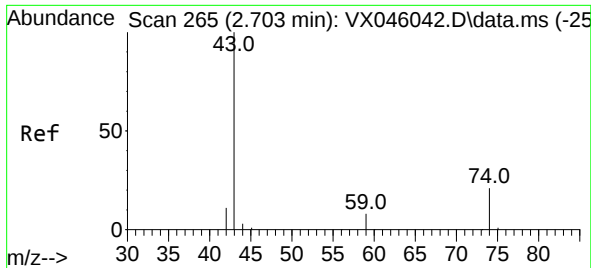
Tgt Ion: 59 Resp: 46
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 5.152 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046281.D
Acq: 19 May 2025 20:29

Tgt Ion: 43 Resp: 2378
Ion Ratio Lower Upper
43 100
58 23.2 21.2 31.8

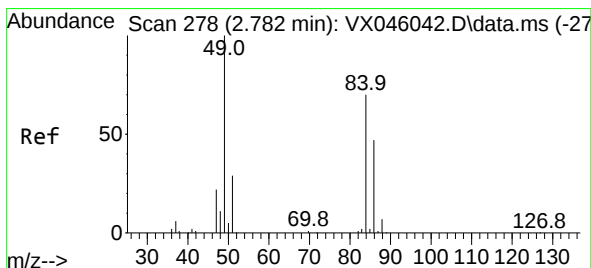
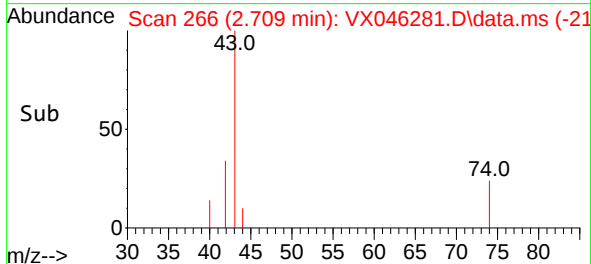
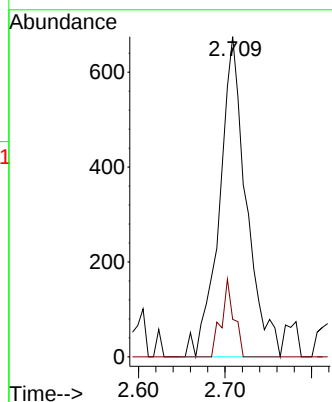
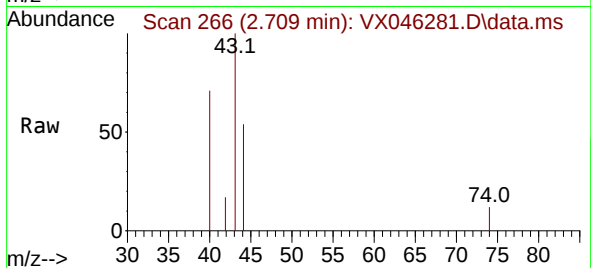




#18
Methyl Acetate
Concen: 1.358 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046281.D
Acq: 19 May 2025 20:29

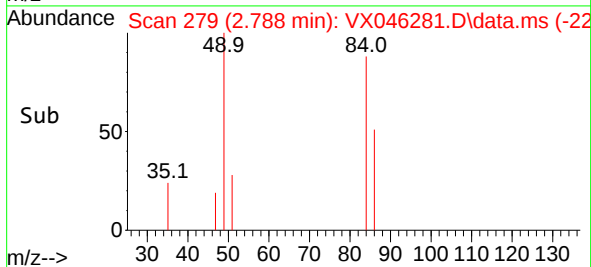
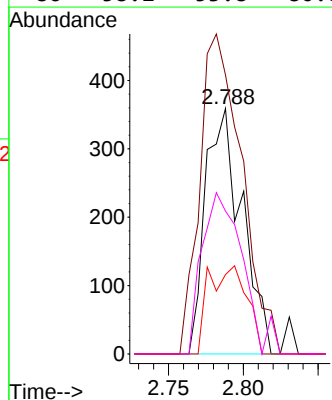
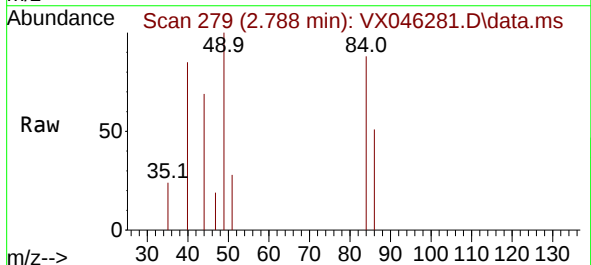
Instrument :
MSVOA_X
ClientSampleId :
GDW2

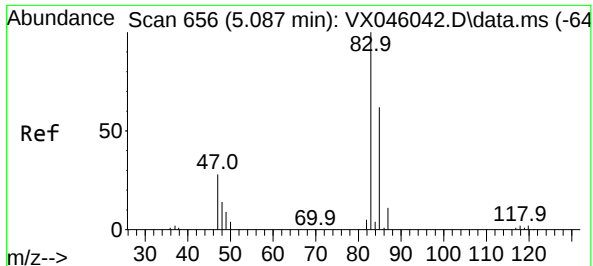
Tgt Ion: 43 Resp: 1455
Ion Ratio Lower Upper
43 100
74 11.3 16.7 25.1#



#20
Methylene Chloride
Concen: 0.690 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046281.D
Acq: 19 May 2025 20:29

Tgt Ion: 84 Resp: 610
Ion Ratio Lower Upper
84 100
49 113.6 113.9 170.9#
51 32.3 33.5 50.3#
86 58.2 53.8 80.8





#30

Chloroform

Concen: 0.655 ug/l

RT: 5.086 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX046281.D

Acq: 19 May 2025 20:29

Instrument :

MSVOA_X

ClientSampleId :

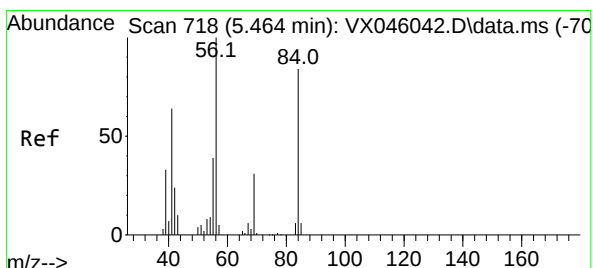
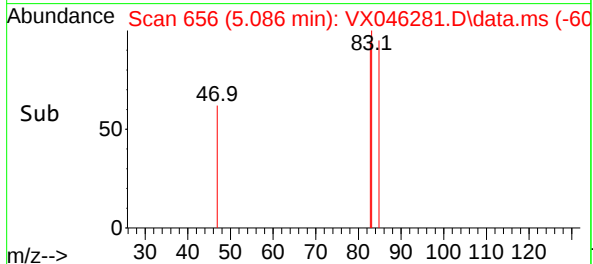
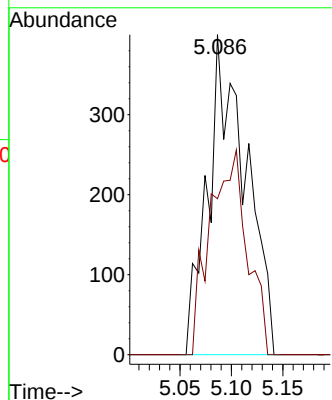
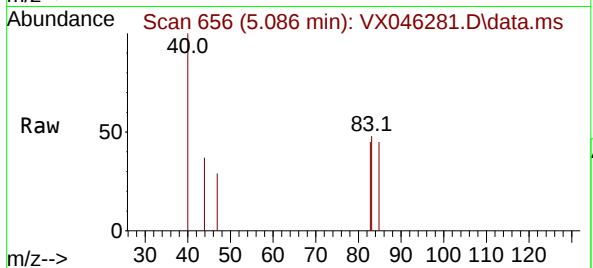
GDW2

Tgt Ion: 83 Resp: 1028

Ion Ratio Lower Upper

83 100

85 48.8 49.3 73.9#



#31

Cyclohexane

Concen: 1.327 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX046281.D

Acq: 19 May 2025 20:29

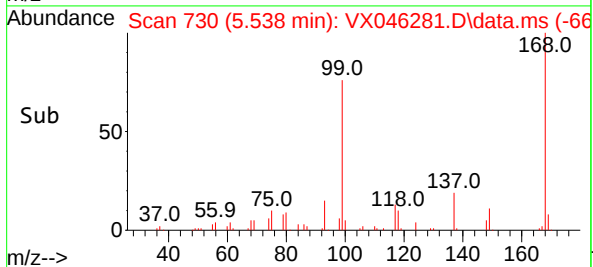
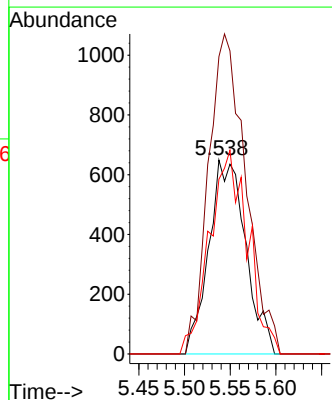
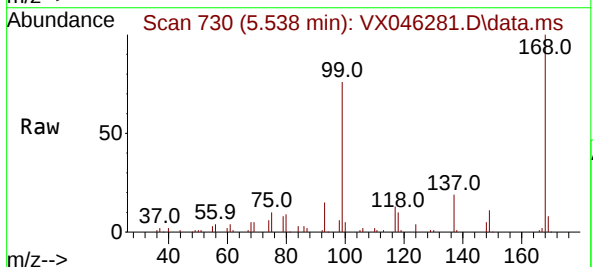
Tgt Ion: 56 Resp: 1820

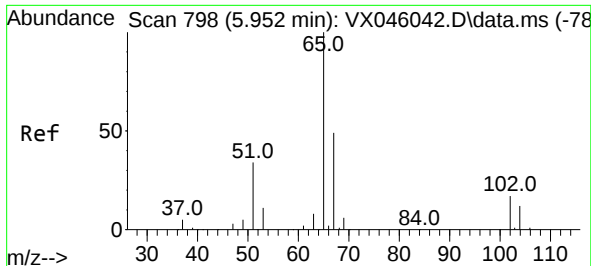
Ion Ratio Lower Upper

56 100

69 153.3 24.4 36.6#

84 90.1 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 54.272 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046281.D

Acq: 19 May 2025 20:29

Instrument :

MSVOA_X

ClientSampleId :

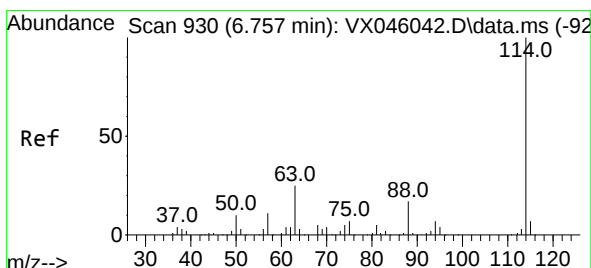
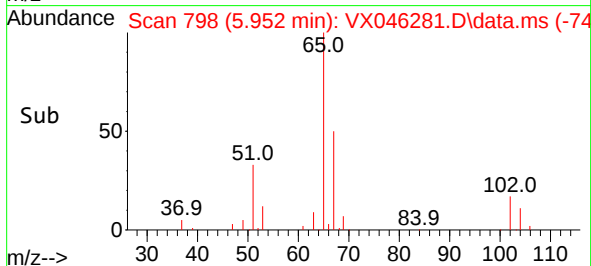
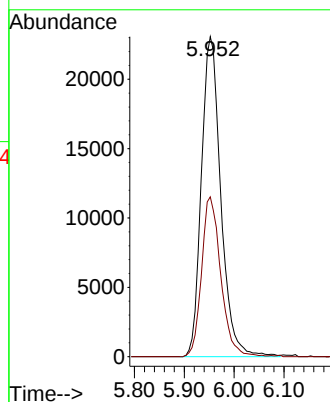
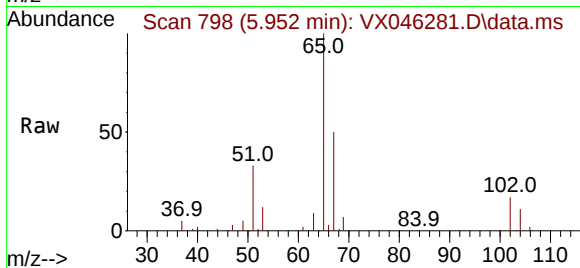
GDW2

Tgt Ion: 65 Resp: 62475

Ion Ratio Lower Upper

65 100

67 49.3 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: VX046281.D

Acq: 19 May 2025 20:29

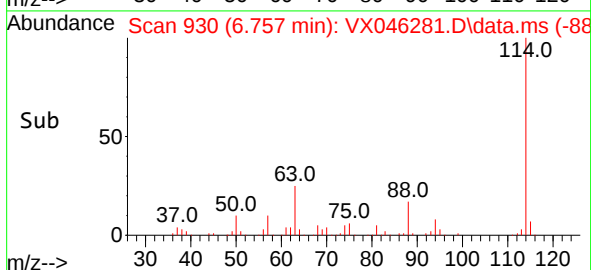
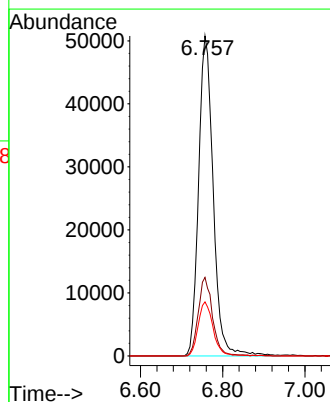
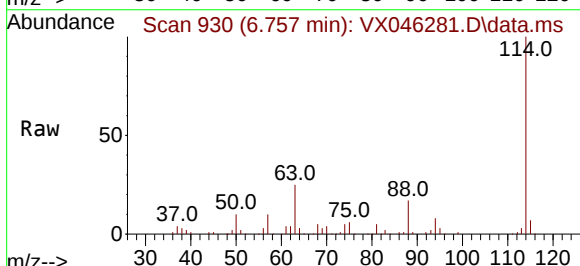
Tgt Ion: 114 Resp: 125249

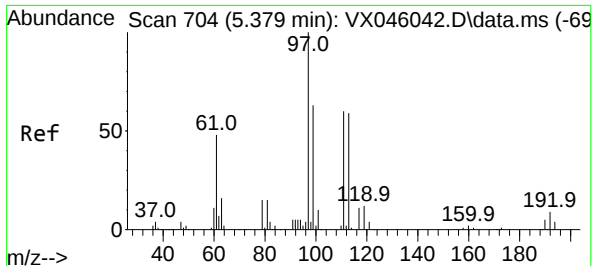
Ion Ratio Lower Upper

114 100

63 24.6 0.0 49.2

88 16.9 0.0 33.6

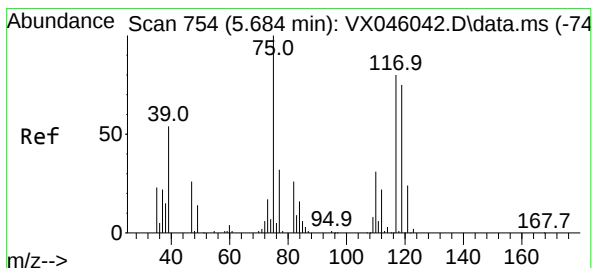
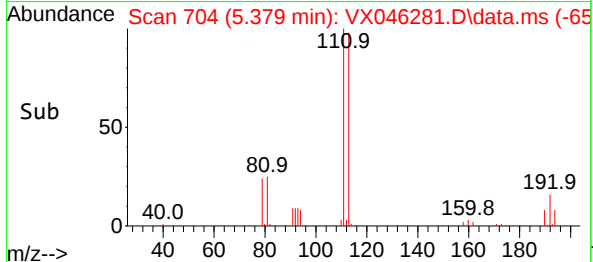
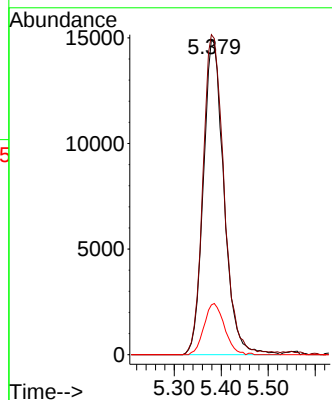
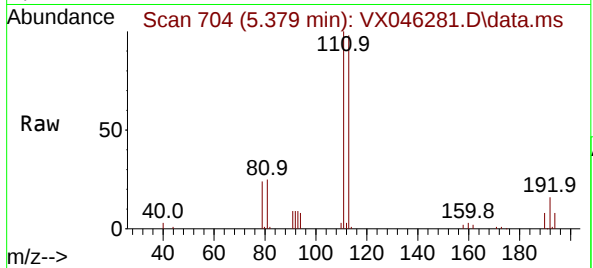




#35
Dibromofluoromethane
Concen: 50.132 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046281.D
Acq: 19 May 2025 20:29

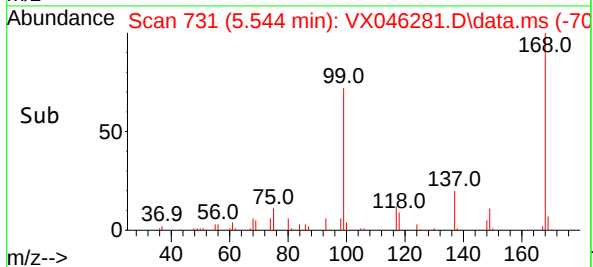
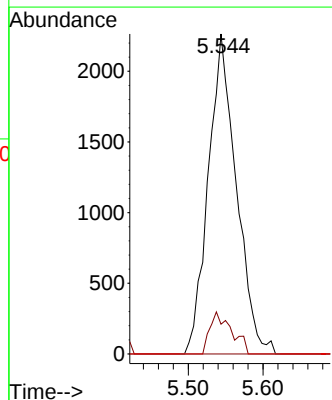
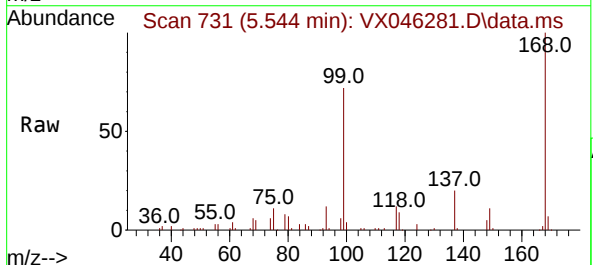
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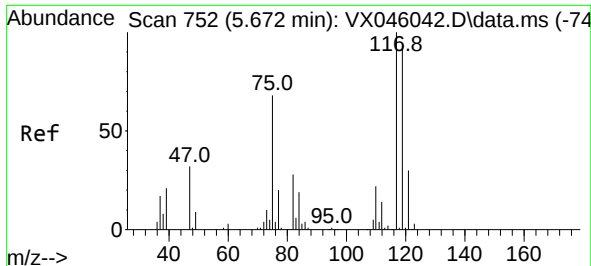
Tgt Ion:113 Resp: 45215
Ion Ratio Lower Upper
113 100
111 104.3 83.1 124.7
192 16.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.883 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046281.D
Acq: 19 May 2025 20:29

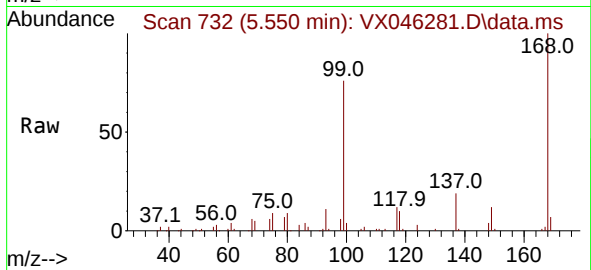
Tgt Ion: 75 Resp: 5917
Ion Ratio Lower Upper
75 100
110 10.2 16.3 48.9#
77 0.0 24.3 36.5#



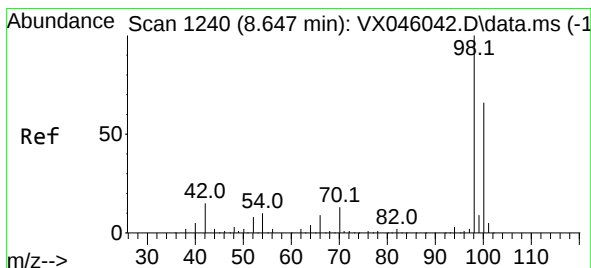
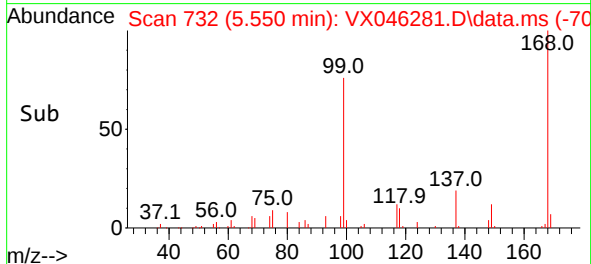
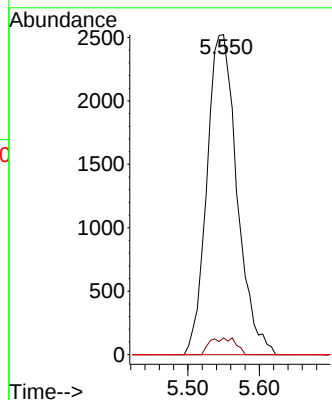


#38
Carbon Tetrachloride
Concen: 5.429 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046281.D
Acq: 19 May 2025 20:29

Instrument :
MSVOA_X
ClientSampleId :
GDW2

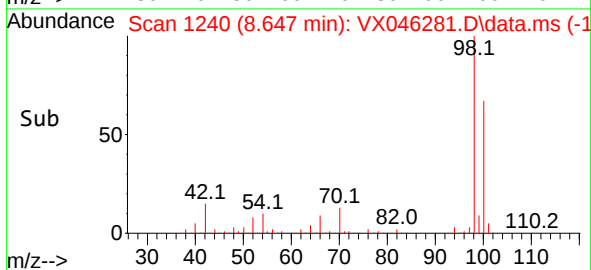
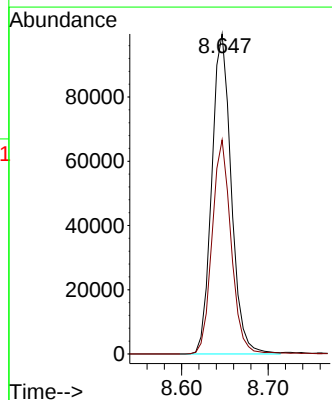
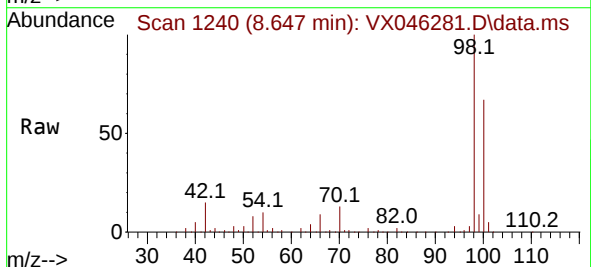


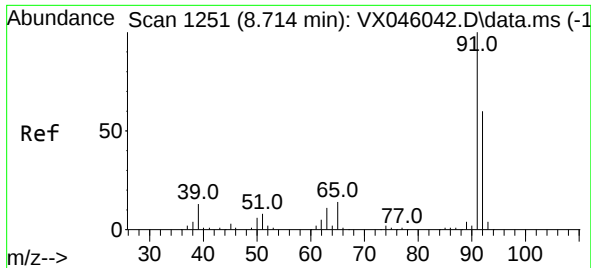
Tgt Ion:117 Resp: 7392
Ion Ratio Lower Upper
117 100
119 5.2 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 49.843 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046281.D
Acq: 19 May 2025 20:29

Tgt Ion: 98 Resp: 155594
Ion Ratio Lower Upper
98 100
100 65.7 53.5 80.3

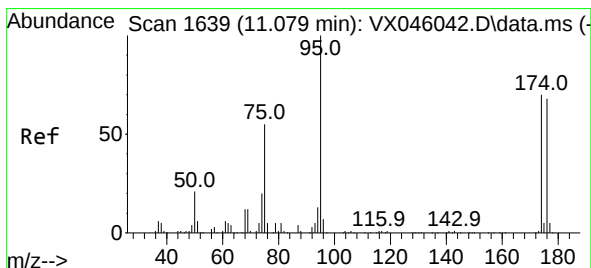
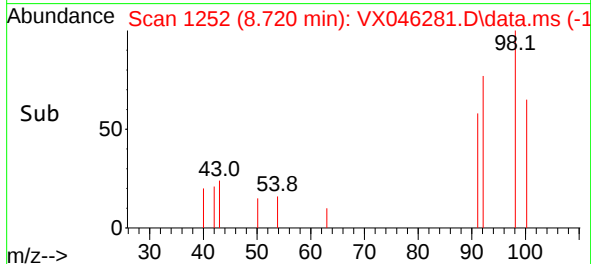
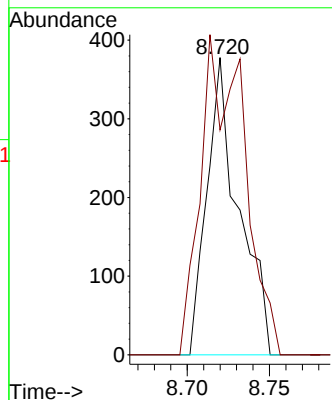
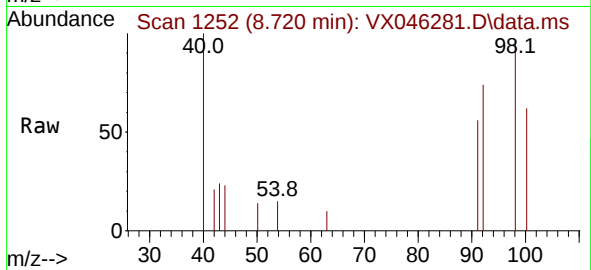




#52
Toluene
Concen: 0.232 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046281.D
Acq: 19 May 2025 20:29

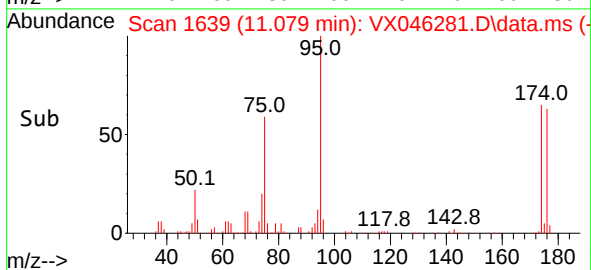
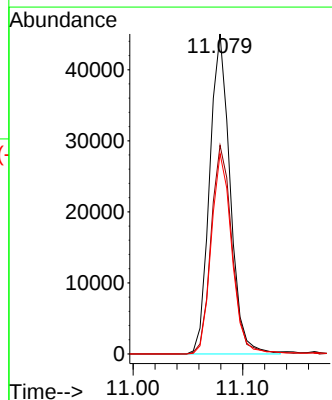
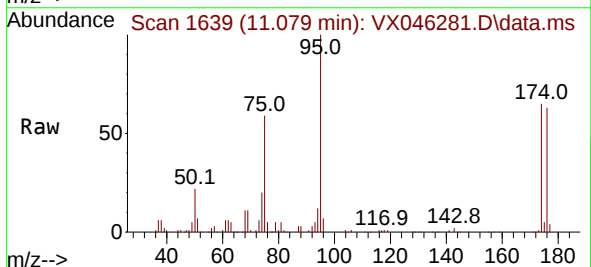
Instrument :
MSVOA_X
ClientSampleId :
GDW2

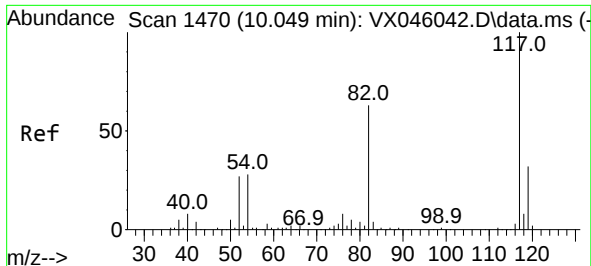
Tgt Ion: 92 Resp: 506
Ion Ratio Lower Upper
92 100
91 147.4 136.6 205.0



#62
4-Bromofluorobenzene
Concen: 48.748 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046281.D
Acq: 19 May 2025 20:29

Tgt Ion: 95 Resp: 58373
Ion Ratio Lower Upper
95 100
174 67.0 0.0 135.8
176 63.2 0.0 131.4

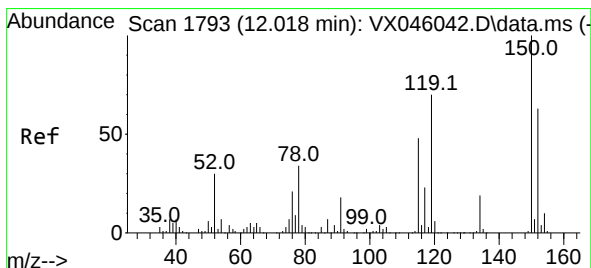
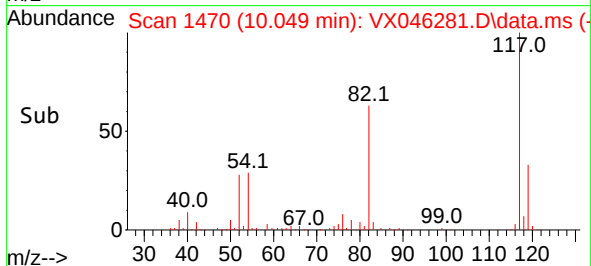
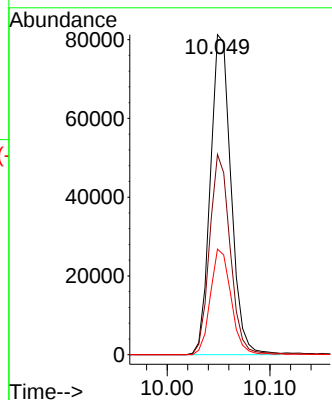
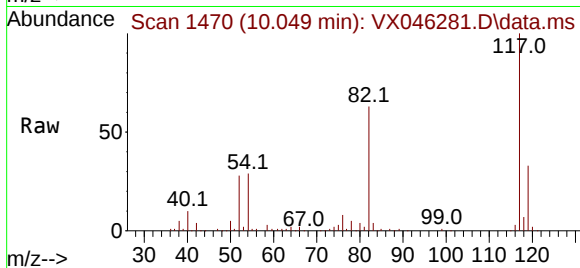




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046281.D
Acq: 19 May 2025 20:29

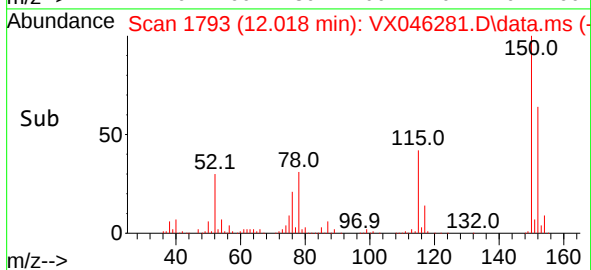
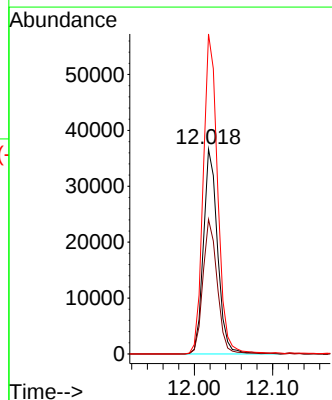
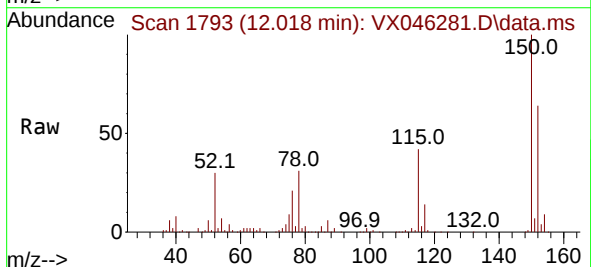
Instrument :
MSVOA_X
ClientSampleId :
GDW2

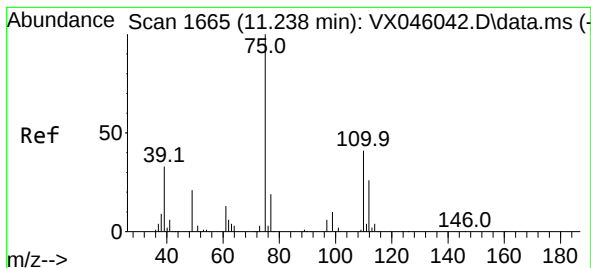
Tgt Ion:117 Resp: 113628
Ion Ratio Lower Upper
117 100
82 62.6 50.6 76.0
119 33.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046281.D
Acq: 19 May 2025 20:29

Tgt Ion:152 Resp: 45883
Ion Ratio Lower Upper
152 100
115 66.3 46.9 140.7
150 159.9 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 30.087 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046281.D

Acq: 19 May 2025 20:29

Instrument :

MSVOA_X

ClientSampleId :

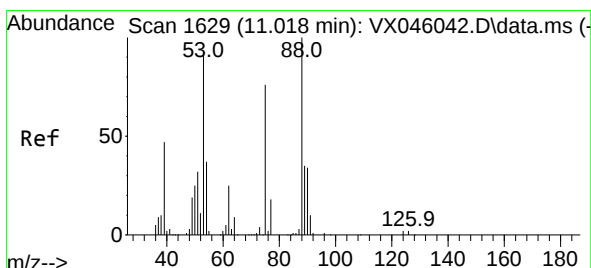
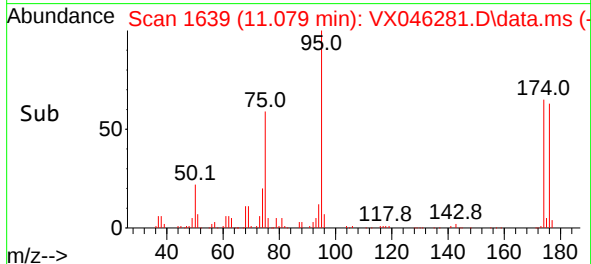
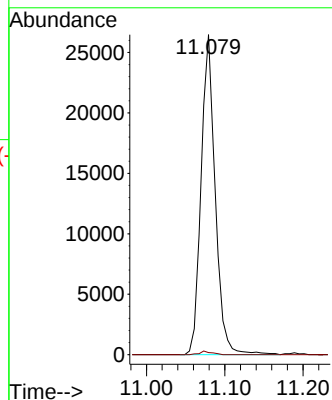
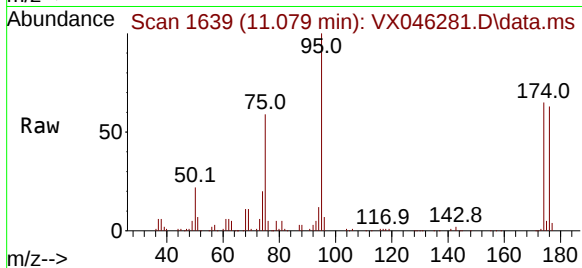
GDW2

Tgt Ion: 75 Resp: 33229

Ion Ratio Lower Upper

75 100

77 0.9 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 97.954 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046281.D

Acq: 19 May 2025 20:29

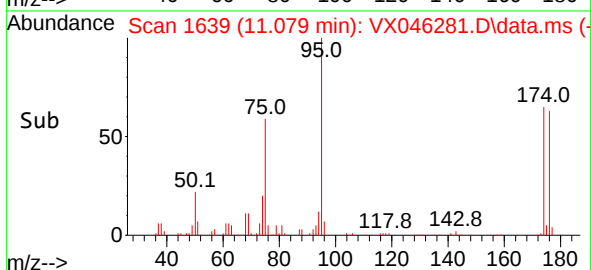
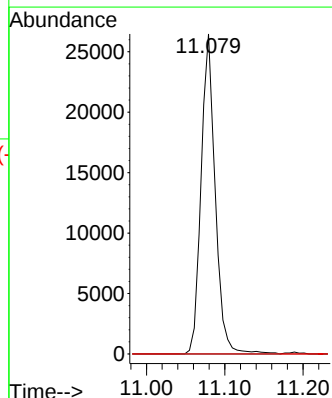
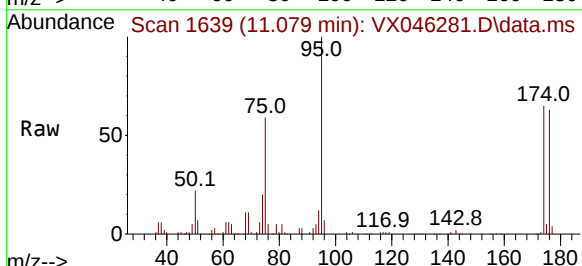
Tgt Ion: 75 Resp: 33229

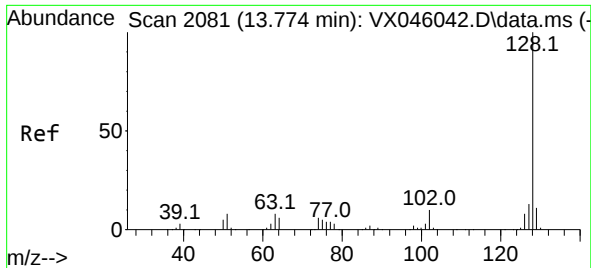
Ion Ratio Lower Upper

75 100

53 0.0 100.5 150.7#

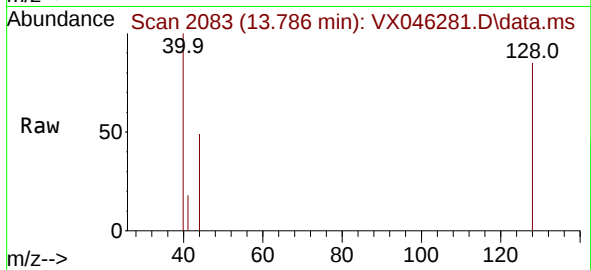
89 0.0 37.0 55.6#





#95
Naphthalene
Concen: 0.217 ug/l
RT: 13.786 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX046281.D
Acq: 19 May 2025 20:29

Instrument :
MSVOA_X
ClientSampleId :
GDW2



Tgt Ion:128 Resp: 693
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 13.0#

