

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
 Data File : VX044413.D
 Acq On : 19 Dec 2024 04:54 am
 Operator : JC/MD
 Sample : P5317-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW9-MW01D2-20241217

Quant Time: Dec 19 06:40:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 12 04:28:14 2024
 Response via : Initial Calibration

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

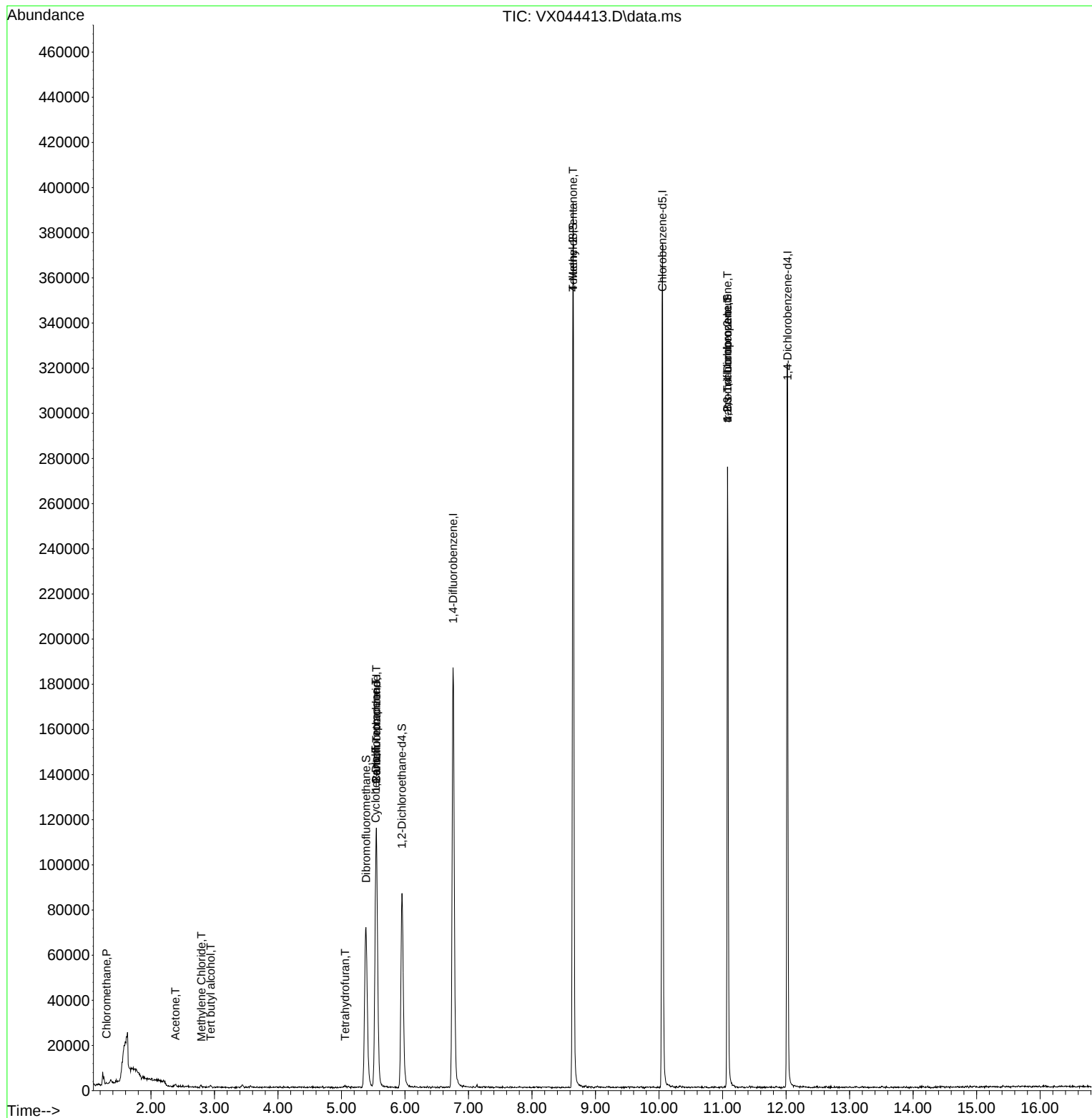
Internal Standards						
1) Pentafluorobenzene	5.550	168	104505	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	188770	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	164946	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83816	45.743	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.480%
35) Dibromofluoromethane	5.385	113	62790	48.026	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.060%
50) Toluene-d8	8.647	98	224956	51.001	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.000%
62) 4-Bromofluorobenzene	11.079	95	69342	44.991	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	89.980%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	635	0.411	ug/l #	42
11) Tert butyl alcohol	2.941	59	176	0.682	ug/l #	71
16) Acetone	2.386	43	941	1.260	ug/l #	81
20) Methylene Chloride	2.794	84	410	0.292	ug/l #	51
29) Tetrahydrofuran	5.056	42	557	0.817	ug/l #	74
31) Cyclohexane	5.538	56	2869	1.451	ug/l #	35
36) 1,1-Dichloropropene	5.544	75	9036	5.347	ug/l #	49
38) Carbon Tetrachloride	5.550	117	10856	5.967	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	1297	0.618	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	39049	28.039	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	39049	76.960	ug/l #	4

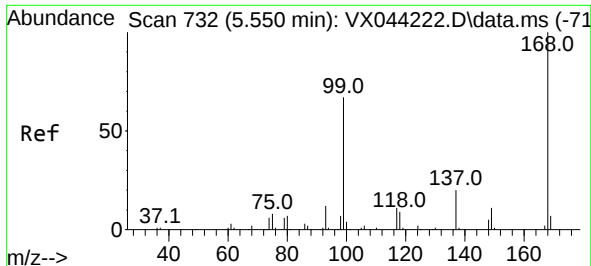
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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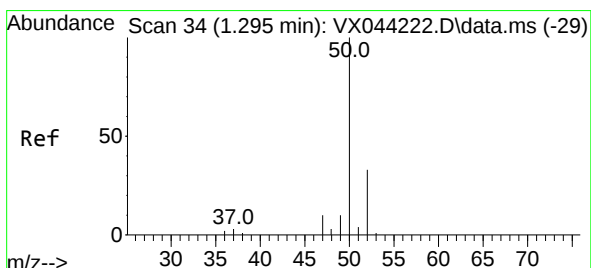
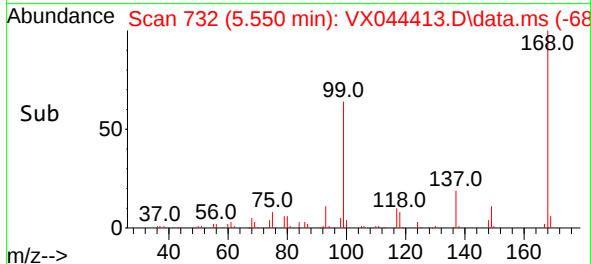
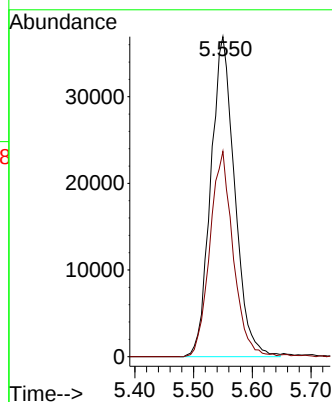
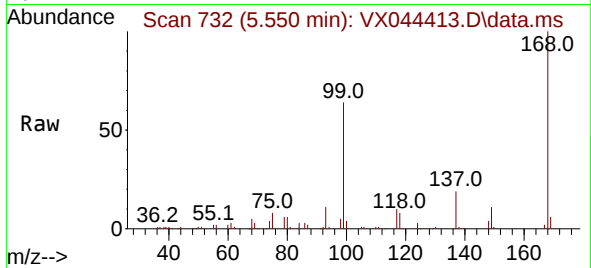




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044413.D
Acq: 19 Dec 2024 04:54

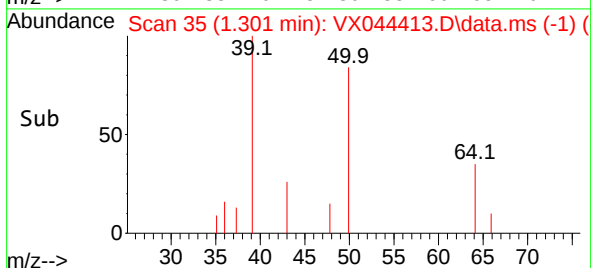
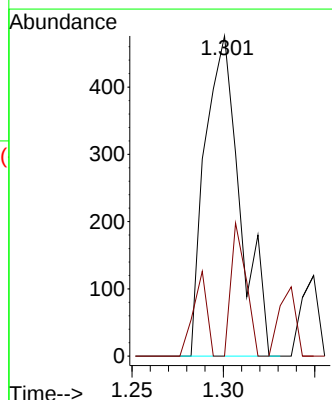
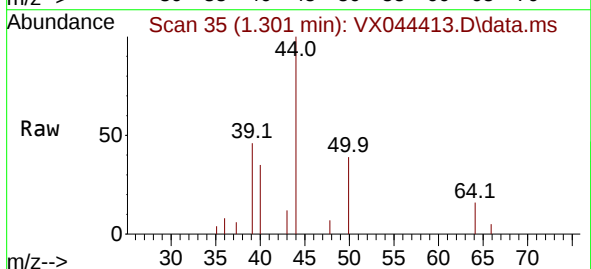
Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01D2-20241217

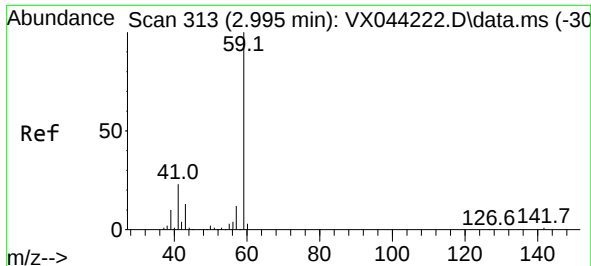
Tgt Ion:168 Resp: 104505
Ion Ratio Lower Upper
168 100
99 64.2 53.4 80.0



#3
Chloromethane
Concen: 0.411 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX044413.D
Acq: 19 Dec 2024 04:54 am

Tgt Ion: 50 Resp: 635
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#





#11

Tert butyl alcohol

Concen: 0.682 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.055 min

Lab File: VX044413.D

Acq: 19 Dec 2024 04:54

Instrument :

MSVOA_X

ClientSampleId :

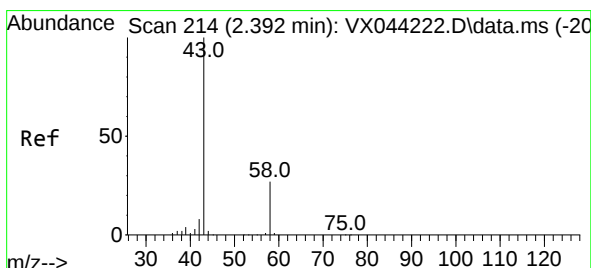
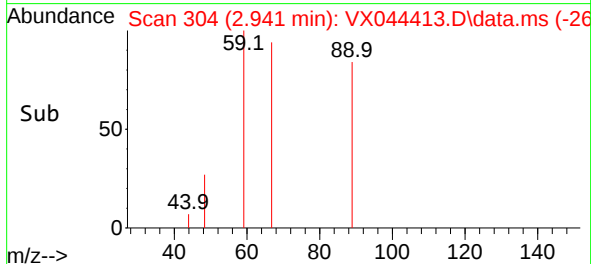
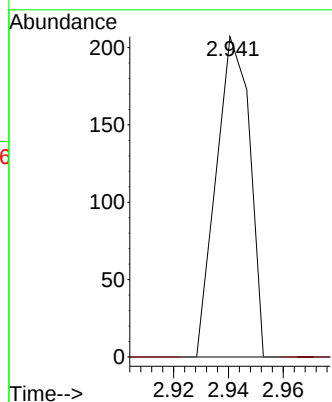
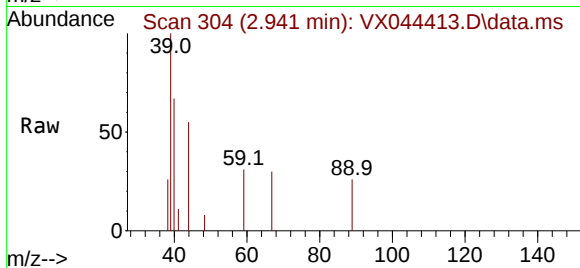
RW9-MW01D2-20241217

Tgt Ion: 59 Resp: 176

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



#16

Acetone

Concen: 1.260 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX044413.D

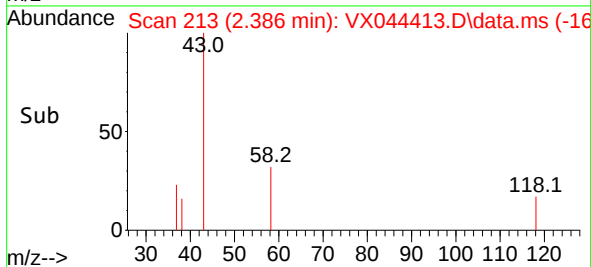
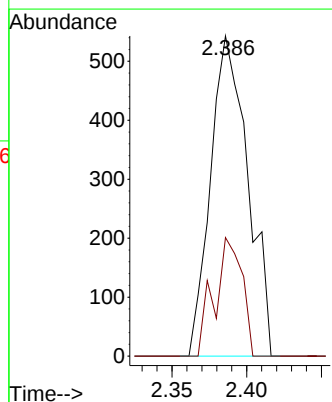
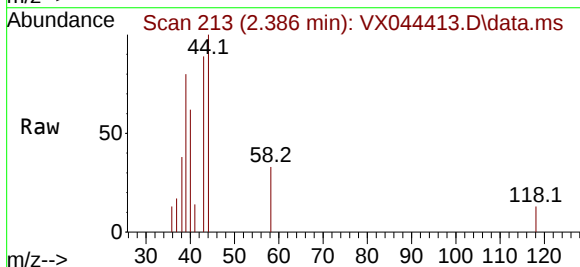
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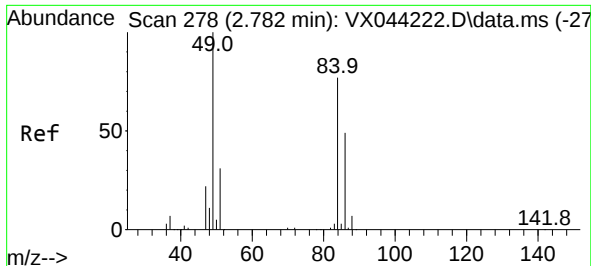
Tgt Ion: 43 Resp: 941

Ion Ratio Lower Upper

43 100

58 37.0 21.6 32.4#

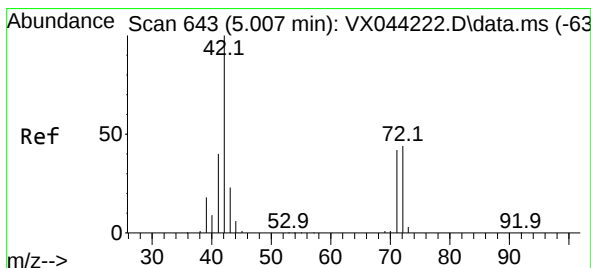
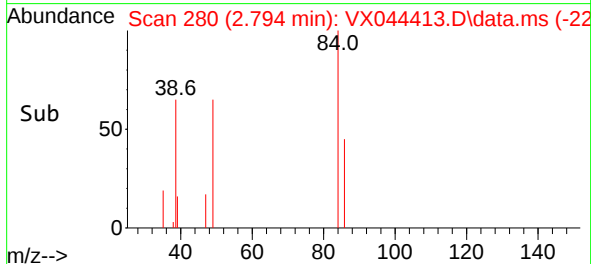
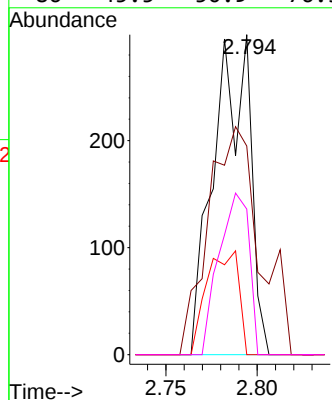
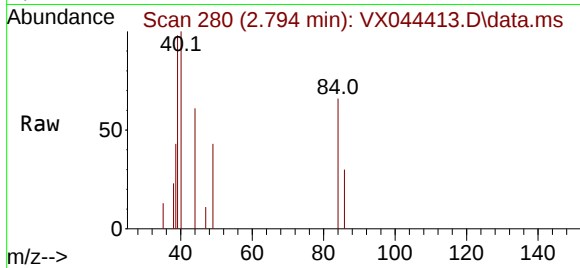




#20
Methylene Chloride
Concen: 0.292 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX044413.D
Acq: 19 Dec 2024 04:54

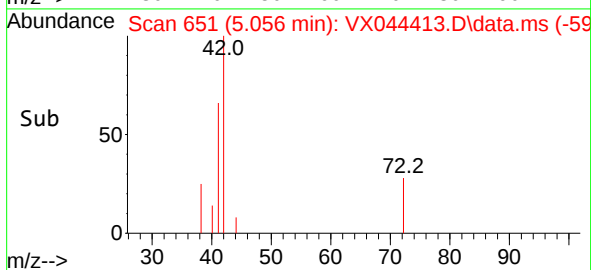
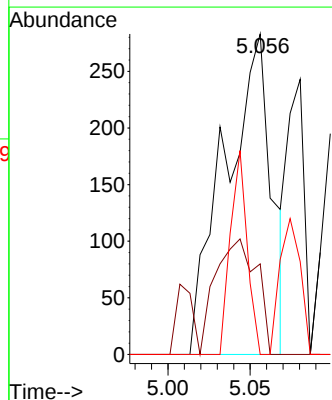
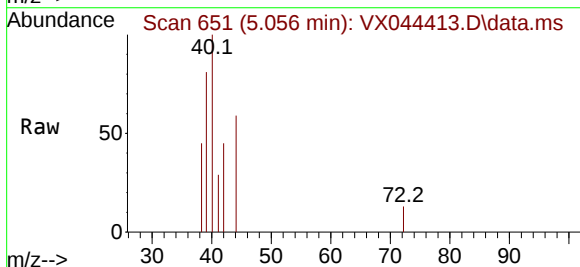
Instrument :
MSVOA_X
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RW9-MW01D2-20241217

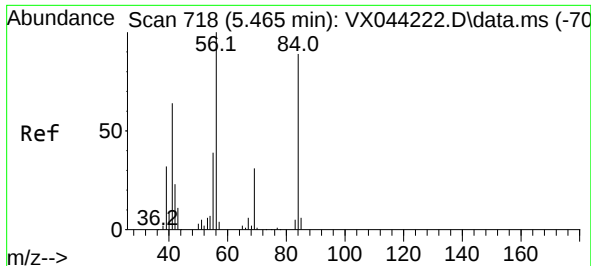
Tgt Ion:	84	Resp:	410
Ion	Ratio	Lower	Upper
84	100		
49	65.2	104.2	156.4#
51	0.0	32.2	48.4#
86	45.5	50.9	76.3#



#29
Tetrahydrofuran
Concen: 0.817 ug/l
RT: 5.056 min Scan# 651
Delta R.T. 0.049 min
Lab File: VX044413.D
Acq: 19 Dec 2024 04:54 am

Tgt Ion:	42	Resp:	557
Ion	Ratio	Lower	Upper
42	100		
72	32.0	37.0	55.6#
71	23.0	33.6	50.4#

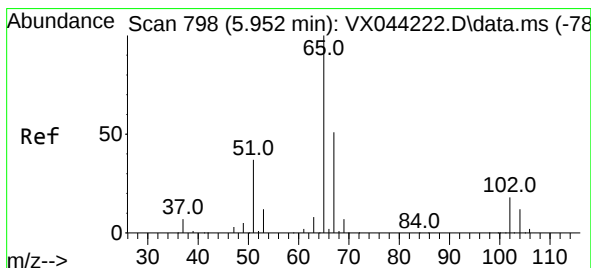
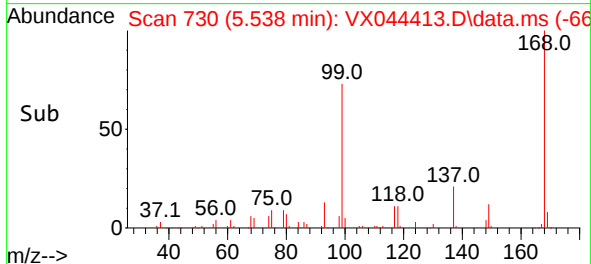
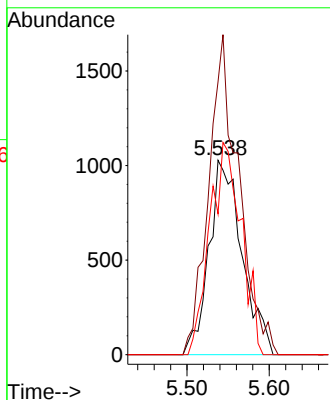
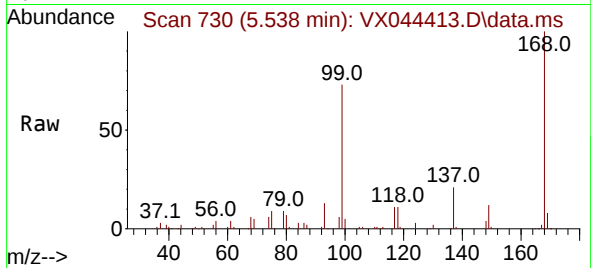




#31
Cyclohexane
Concen: 1.451 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX044413.D
Acq: 19 Dec 2024 04:54

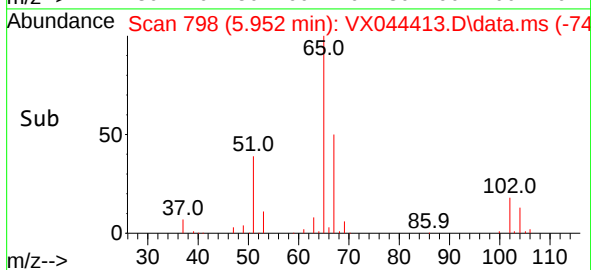
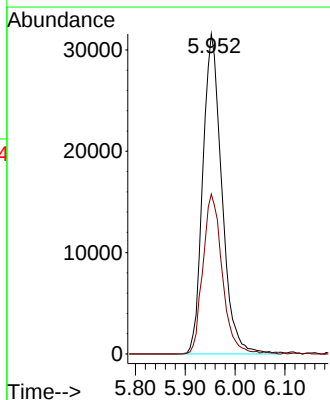
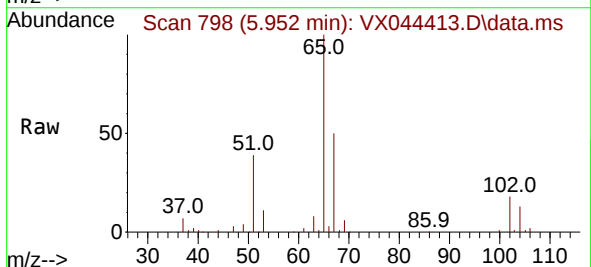
Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01D2-20241217

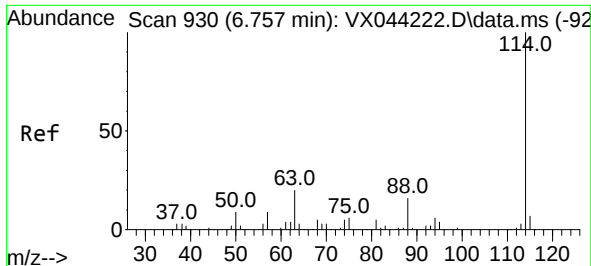
Tgt Ion: 56 Resp: 2869
Ion Ratio Lower Upper
56 100
69 140.4 24.7 37.1#
84 72.4 71.0 106.6



#33
1,2-Dichloroethane-d4
Concen: 45.743 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044413.D
Acq: 19 Dec 2024 04:54 am

Tgt Ion: 65 Resp: 83816
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.6

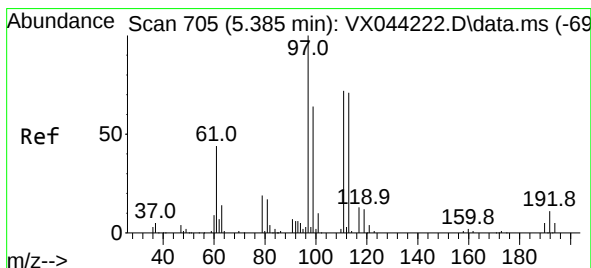
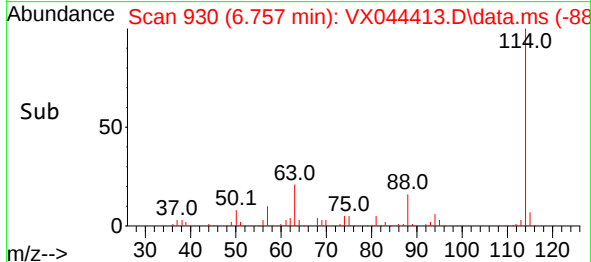
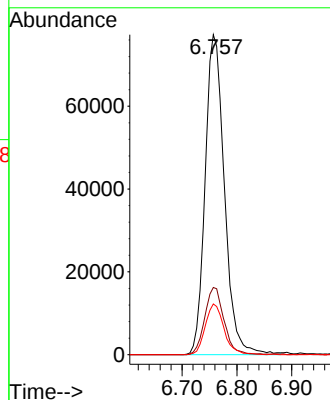
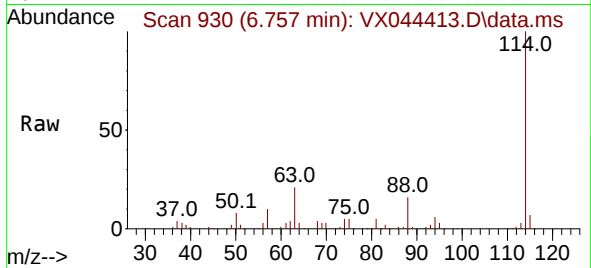




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX044413.D
Acq: 19 Dec 2024 04:54

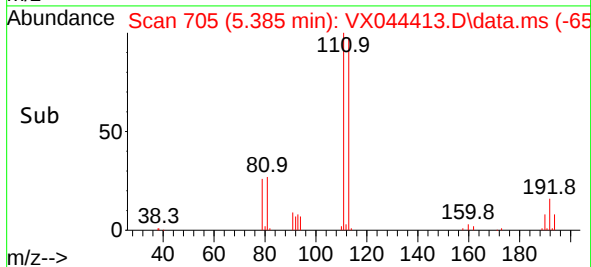
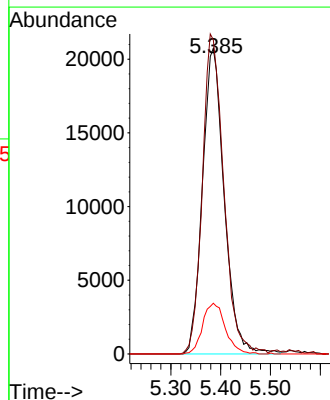
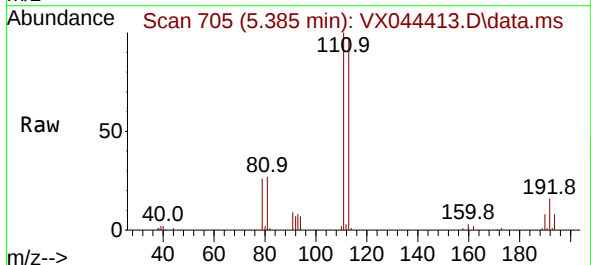
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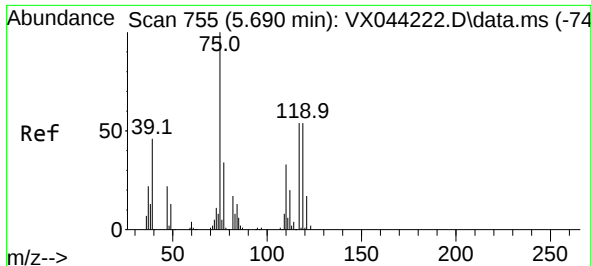
Tgt Ion:114 Resp: 188770
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.6
88 15.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 48.026 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX044413.D
Acq: 19 Dec 2024 04:54 am

Tgt Ion:113 Resp: 62790
Ion Ratio Lower Upper
113 100
111 102.8 80.4 120.6
192 17.3 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.347 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX044413.D

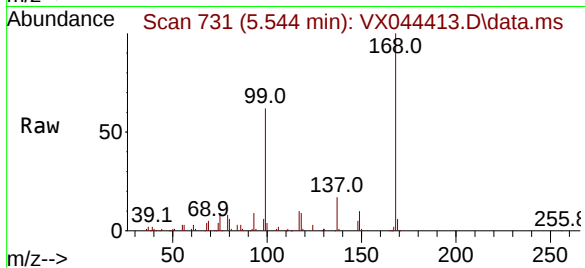
Acq: 19 Dec 2024 04:54

Instrument :

MSVOA_X

ClientSampleId :

RW9-MW01D2-20241217



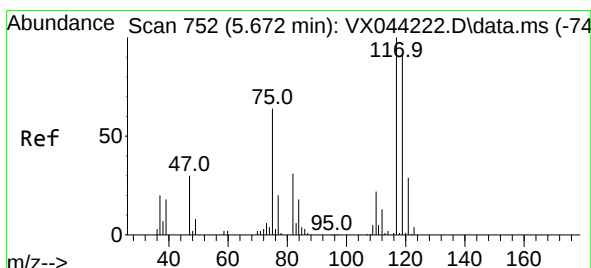
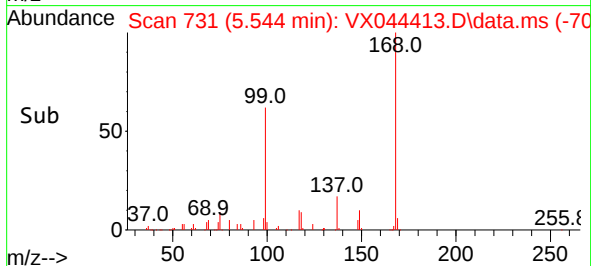
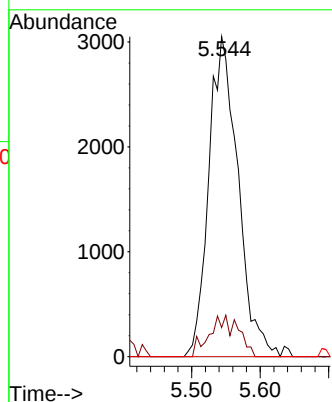
Tgt Ion: 75 Resp: 9036

Ion Ratio Lower Upper

75 100

110 8.6 17.3 51.7#

77 0.0 25.4 38.0#



#38

Carbon Tetrachloride

Concen: 5.967 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX044413.D

Acq: 19 Dec 2024 04:54 am

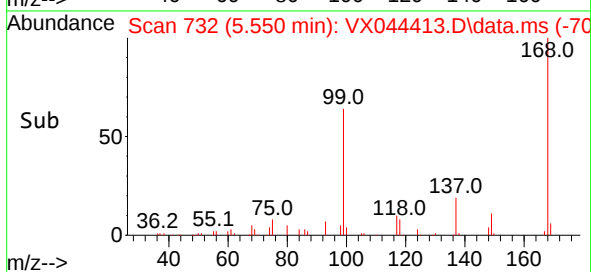
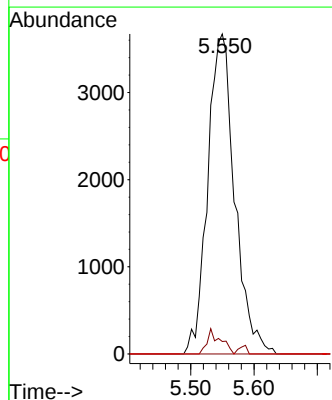
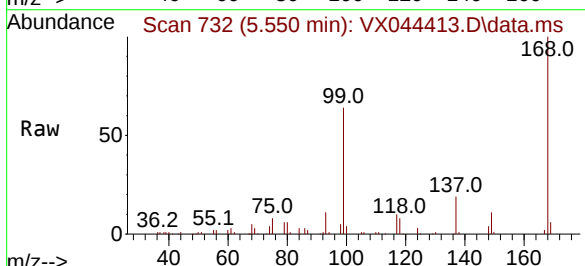
Tgt Ion: 117 Resp: 10856

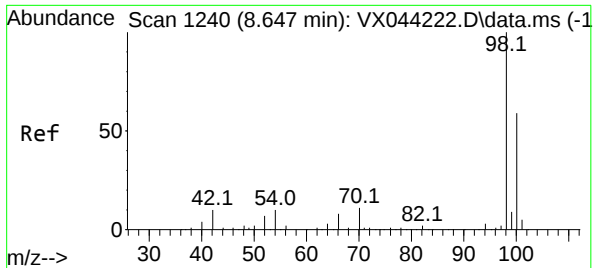
Ion Ratio Lower Upper

117 100

119 3.9 74.2 111.4#

121 0.0 23.0 34.6#

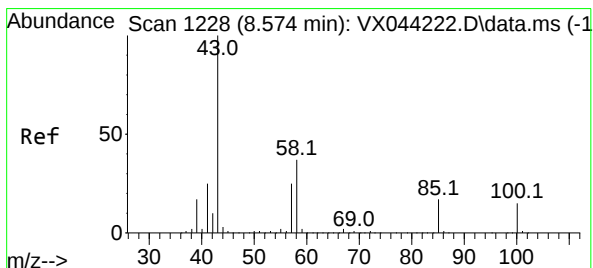
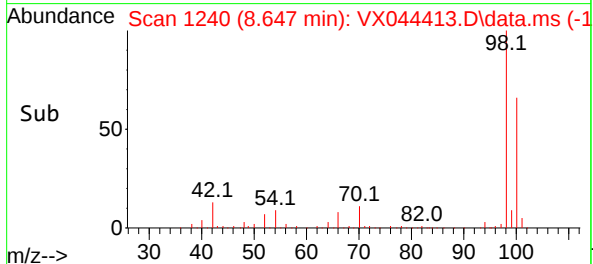
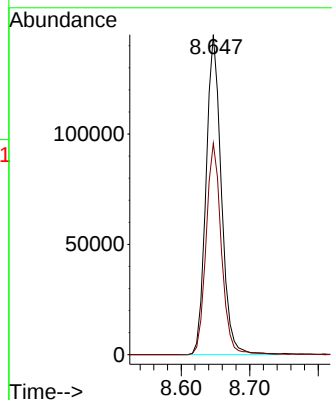
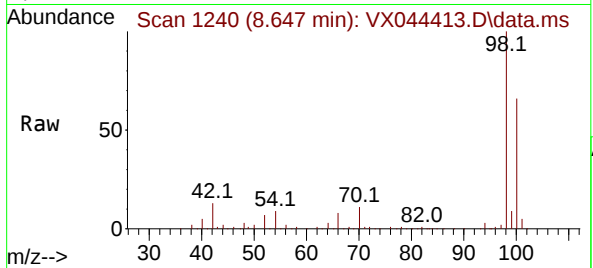




#50
Toluene-d8
Concen: 51.001 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044413.D
Acq: 19 Dec 2024 04:54

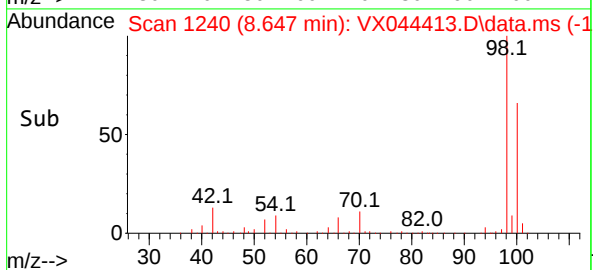
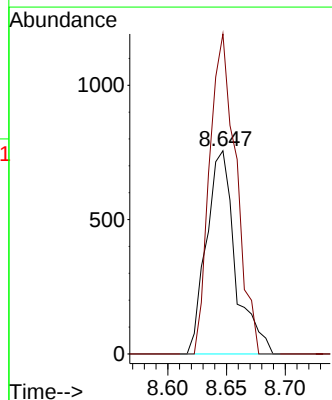
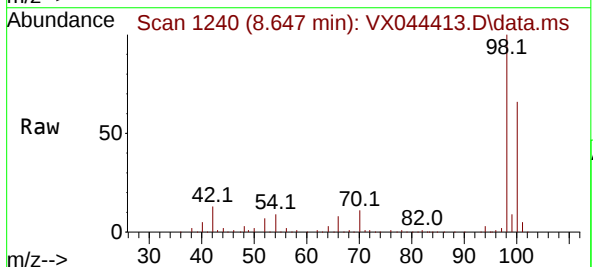
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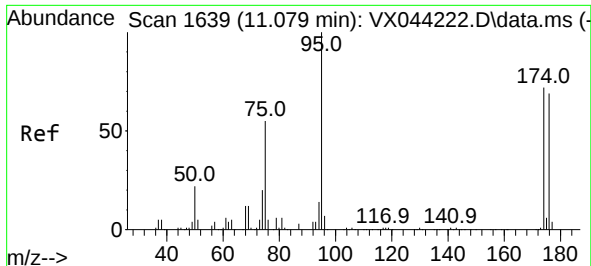
Tgt Ion: 98 Resp: 224956
Ion Ratio Lower Upper
98 100
100 66.0 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.618 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX044413.D
Acq: 19 Dec 2024 04:54 am

Tgt Ion: 43 Resp: 1297
Ion Ratio Lower Upper
43 100
58 143.7 29.4 44.0#





#62

4-Bromofluorobenzene

Concen: 44.991 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044413.D

Acq: 19 Dec 2024 04:54

Instrument :

MSVOA_X

ClientSampleId :

RW9-MW01D2-20241217

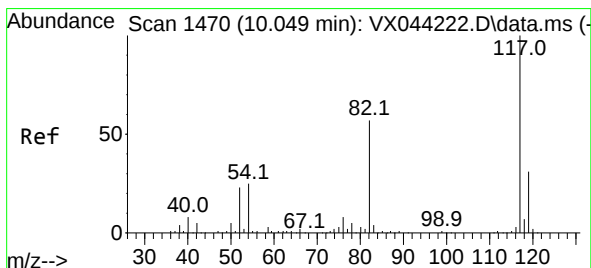
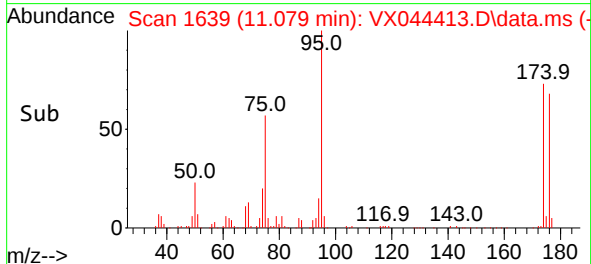
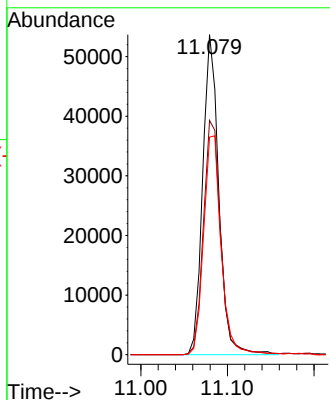
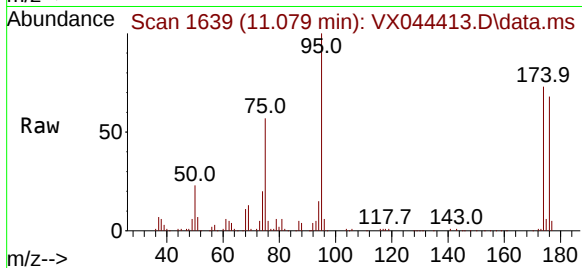
Tgt Ion: 95 Resp: 69342

Ion Ratio Lower Upper

95 100

174 78.9 0.0 145.8

176 74.5 0.0 137.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX044413.D

Acq: 19 Dec 2024 04:54 am

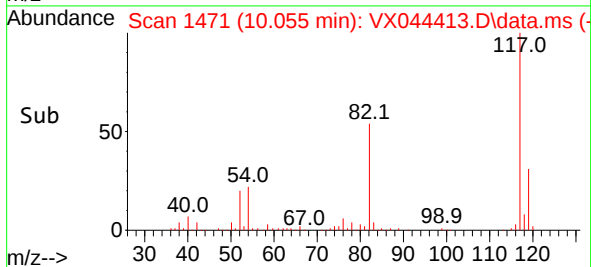
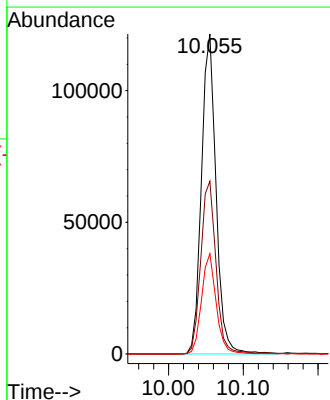
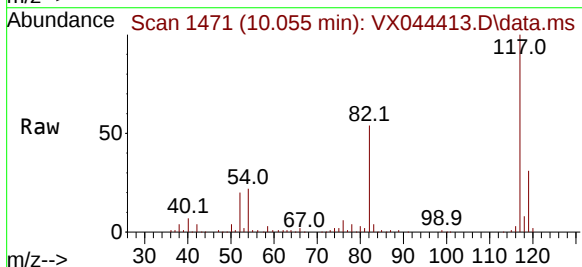
Tgt Ion: 117 Resp: 164946

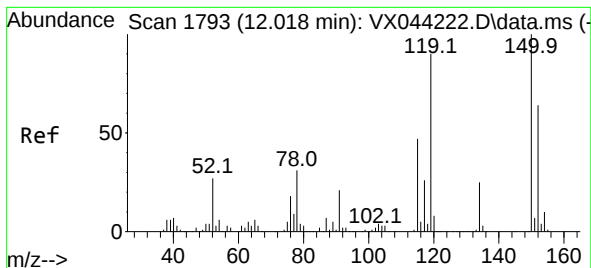
Ion Ratio Lower Upper

117 100

82 54.0 45.8 68.8

119 31.4 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044413.D

Acq: 19 Dec 2024 04:54

Instrument :

MSVOA_X

ClientSampleId :

RW9-MW01D2-20241217

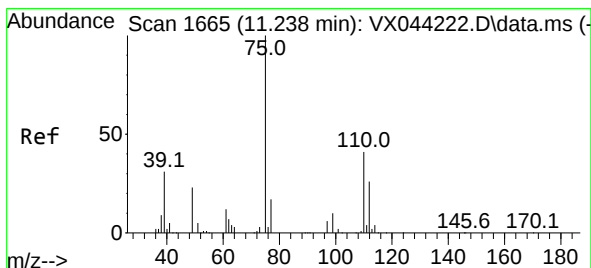
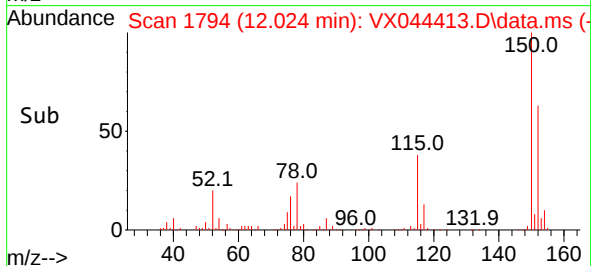
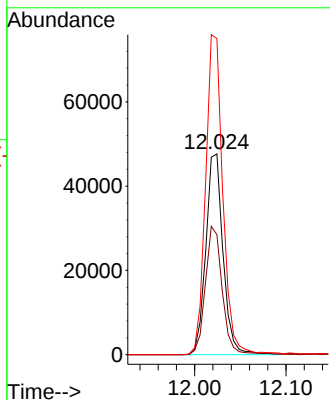
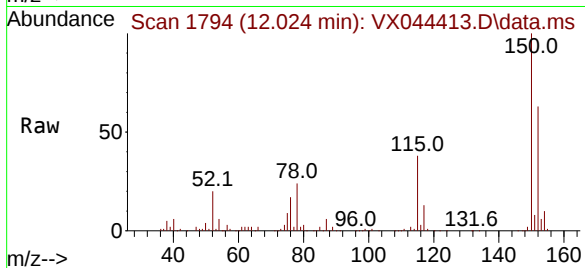
Tgt Ion:152 Resp: 62374

Ion Ratio Lower Upper

152 100

115 62.7 44.5 133.3

150 159.2 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 28.039 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044413.D

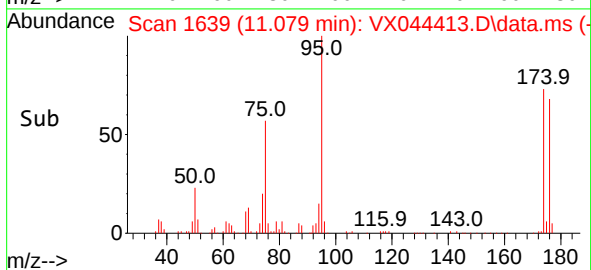
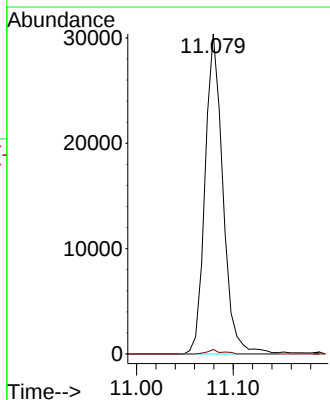
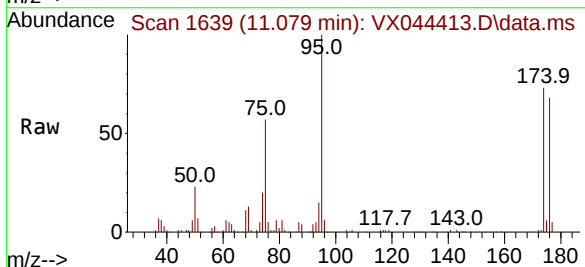
Acq: 19 Dec 2024 04:54 am

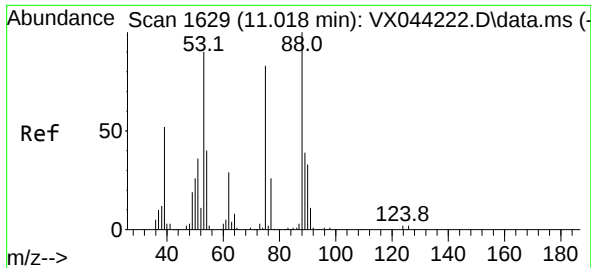
Tgt Ion: 75 Resp: 39049

Ion Ratio Lower Upper

75 100

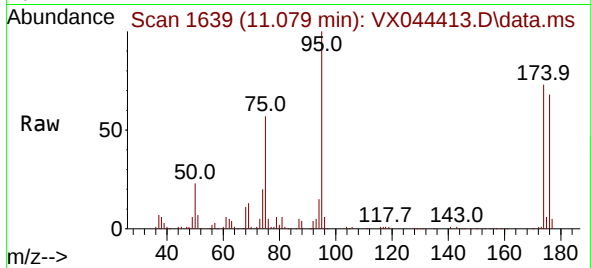
77 1.1 20.9 62.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 76.960 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX044413.D
Acq: 19 Dec 2024 04:54

Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01D2-20241217



Tgt Ion: 75 Resp: 39049
Ion Ratio Lower Upper
75 100
53 0.0 93.6 140.4#
89 0.1 37.3 55.9#

