

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052523\
 Data File : VX035882.D
 Acq On : 26 May 2023 03:59
 Operator : JC/MD
 Sample : 02945-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP03

Quant Time: May 26 09:23:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X052323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 23 11:36:37 2023
 Response via : Initial Calibration

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

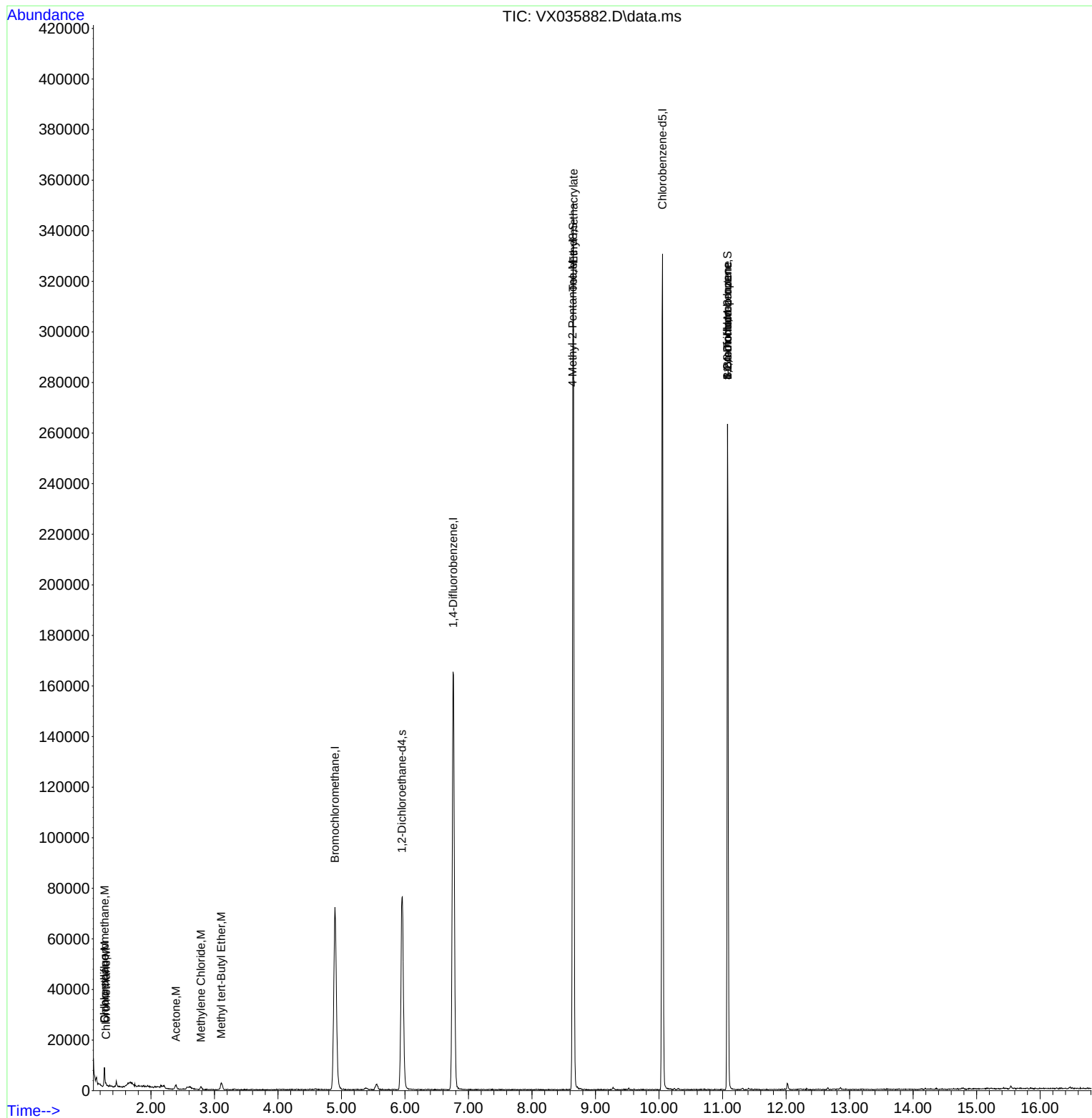
Internal Standards						
1) Bromochloromethane	4.897	128	27937	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	162672	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	143366	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	74128	31.934	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.433%
60) 4-Bromofluorobenzene	11.079	95	66641	27.702	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.333%
63) Toluene-d8	8.647	98	191792	30.261	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.867%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.270	85	574	0.402	ug/l	89
3) Chloromethane	1.294	50	395	0.225	ug/l	99
6) Chloroethane	1.270	64	483	0.465	ug/l	91
15) Acetone	2.392	58	591	1.992	ug/l #	27
18) Methylene Chloride	2.788	84	422	0.231	ug/l #	78
24) Methyl tert-Butyl Ether	3.105	73	1413	0.250	ug/l	98
51) Ethyl methacrylate	8.653	69	634	0.221	ug/l	90
56) Bromoform	11.079	173	503	0.455	ug/l #	1
58) 4-Methyl-2-Pentanone	8.641	43	1076	0.386	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	35749	14.523	ug/l	40
77) t-1,4-Dichloro-2-butene	11.079	75	35749	48.142	ug/l #	4

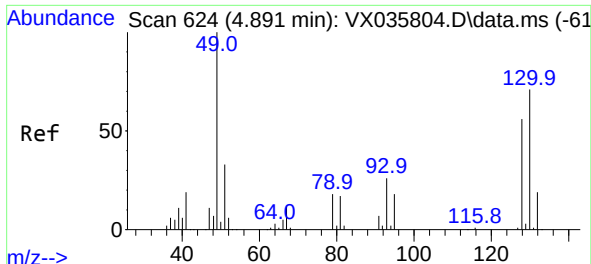
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue May 23 11:36:37 2023
Response via : Initial Calibration

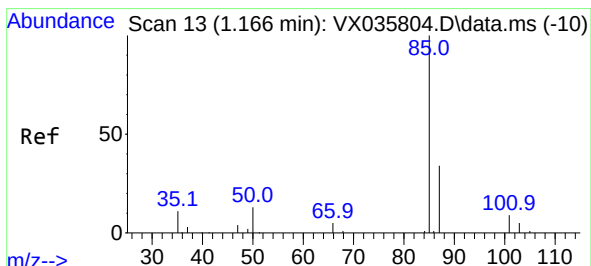
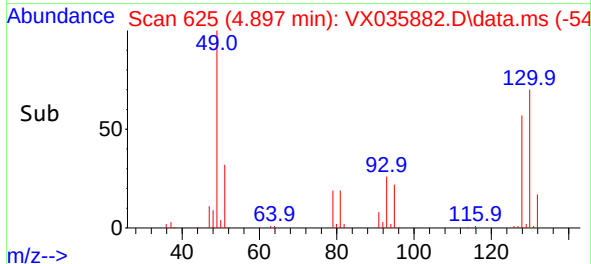
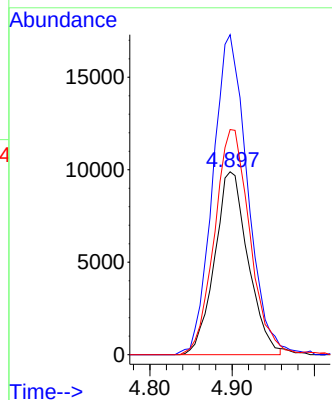
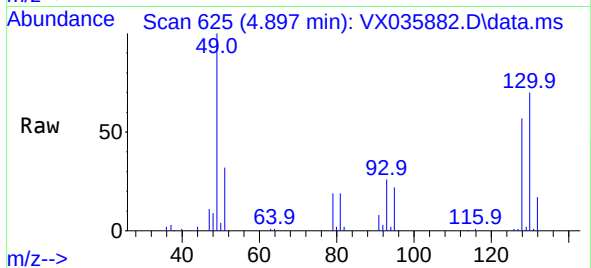




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX035882.D
Acq: 26 May 2023 03:59

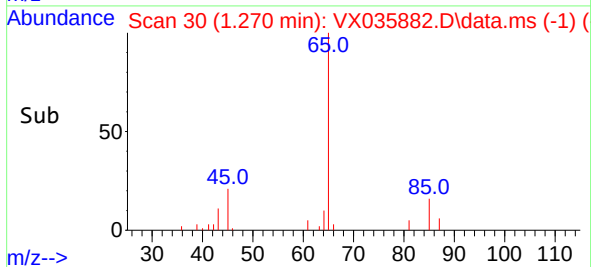
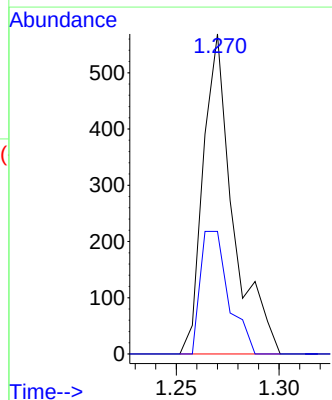
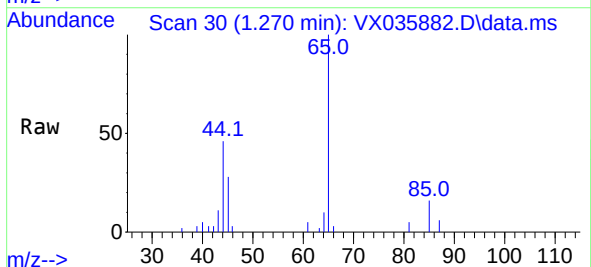
Instrument :
MSVOA_X
ClientSampleId :
TWP03

Tgt Ion:128 Resp: 27937
Ion Ratio Lower Upper
128 100
49 182.0 0.0 428.8
130 130.7 0.0 310.8

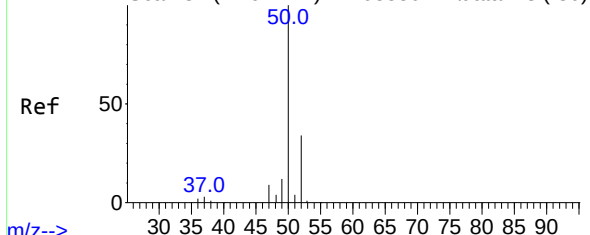


#2
Dichlorodifluoromethane
Concen: 0.402 ug/l
RT: 1.270 min Scan# 30
Delta R.T. 0.104 min
Lab File: VX035882.D
Acq: 26 May 2023 03:59

Tgt Ion: 85 Resp: 574
Ion Ratio Lower Upper
85 100
87 38.3 16.0 48.0



Abundance Scan 34 (1.294 min): VX035804.D\data.ms (-30)



#3

Chloromethane

Concen: 0.225 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX035882.D

Acq: 26 May 2023 03:59

Instrument :

MSVOA_X

ClientSampleId :

TWP03

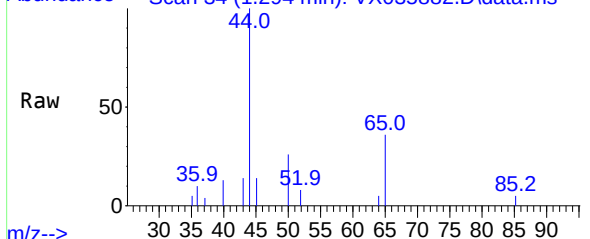
Tgt Ion: 50 Resp: 395

Ion Ratio Lower Upper

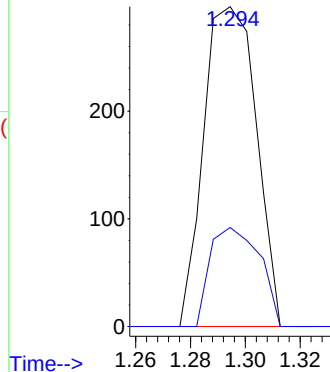
50 100

52 31.0 24.6 36.8

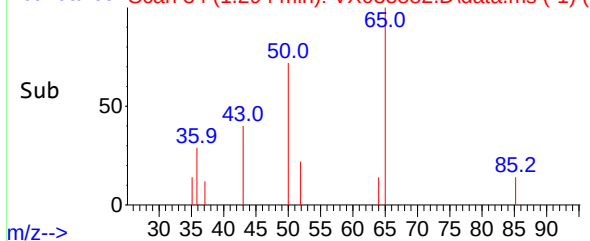
Abundance Scan 34 (1.294 min): VX035882.D\data.ms



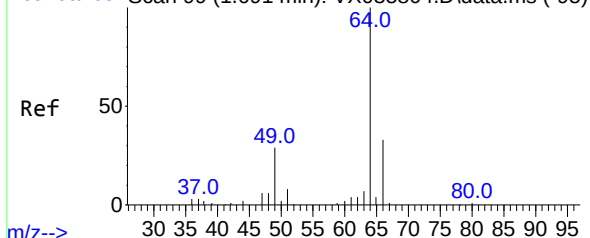
Abundance



Abundance Scan 34 (1.294 min): VX035882.D\data.ms (-1)



Abundance Scan 99 (1.691 min): VX035804.D\data.ms (-95)



#6

Chloroethane

Concen: 0.465 ug/l

RT: 1.270 min Scan# 30

Delta R.T. -0.421 min

Lab File: VX035882.D

Acq: 26 May 2023 03:59

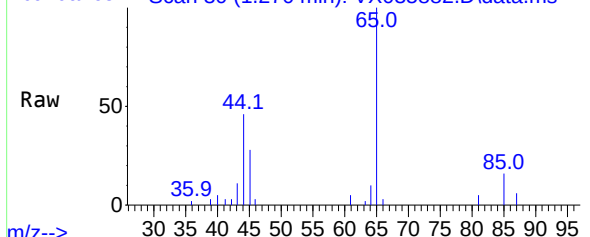
Tgt Ion: 64 Resp: 483

Ion Ratio Lower Upper

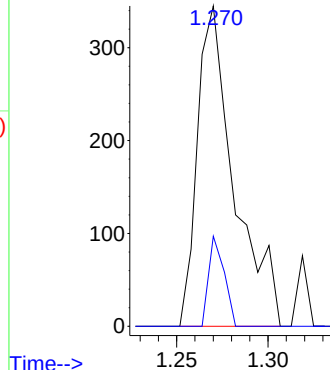
64 100

66 28.1 26.6 40.0

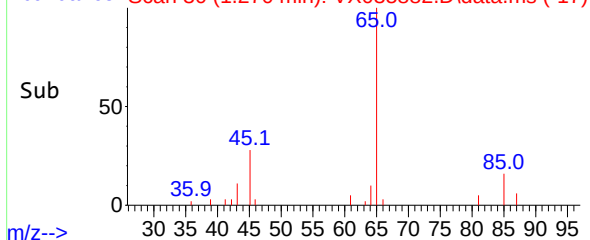
Abundance Scan 30 (1.270 min): VX035882.D\data.ms

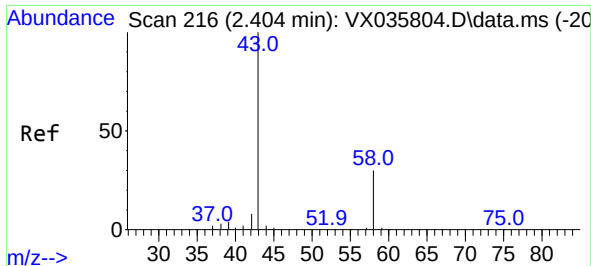


Abundance



Abundance Scan 30 (1.270 min): VX035882.D\data.ms (-17)





#15

Acetone

Concen: 1.992 ug/l

RT: 2.392 min Scan# 216

Delta R.T. -0.012 min

Lab File: VX035882.D

Acq: 26 May 2023 03:59

Instrument :

MSVOA_X

ClientSampleId :

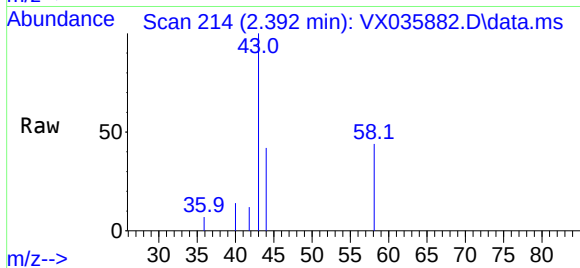
TWP03

Tgt Ion: 58 Resp: 591

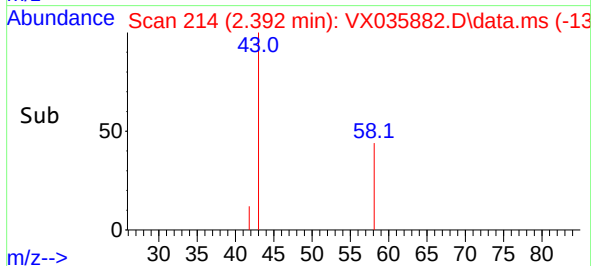
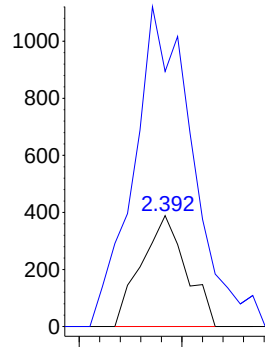
Ion Ratio Lower Upper

58 100

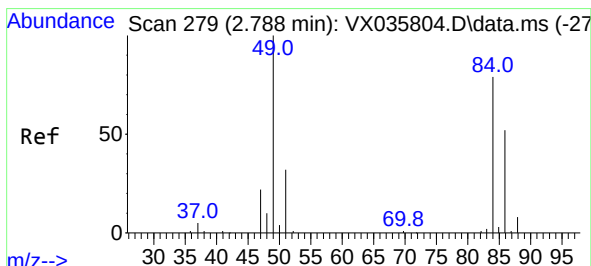
43 182.5 270.8 406.2#



Abundance



Time-->



#18

Methylene Chloride

Concen: 0.231 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX035882.D

Acq: 26 May 2023 03:59

Tgt Ion: 84 Resp: 422

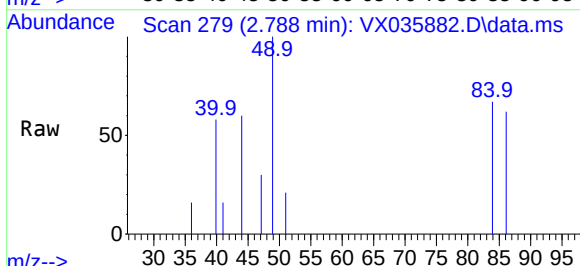
Ion Ratio Lower Upper

84 100

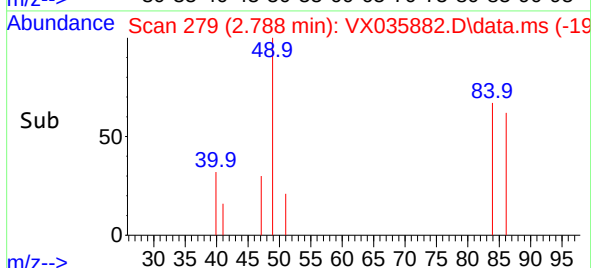
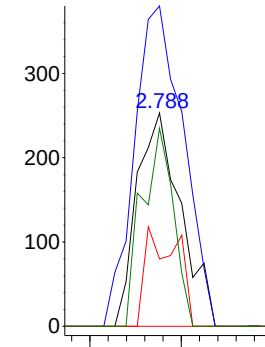
49 150.2 103.9 155.9

51 31.6 30.6 45.8

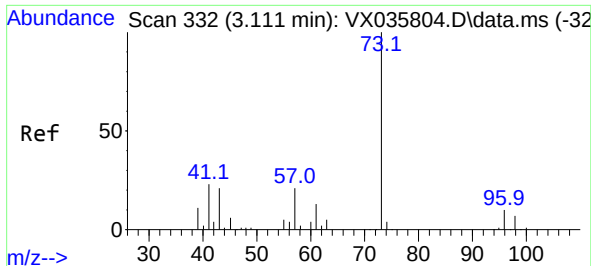
86 92.9 50.6 75.8#



Abundance



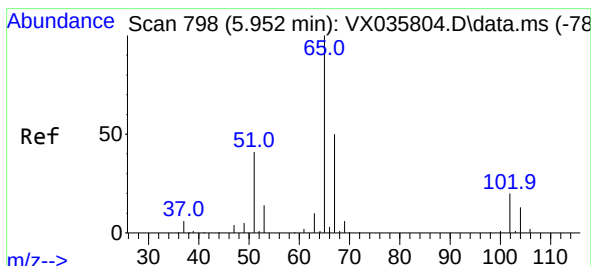
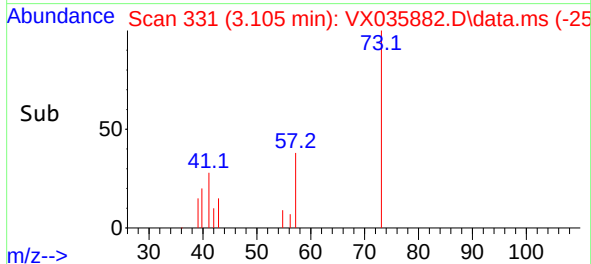
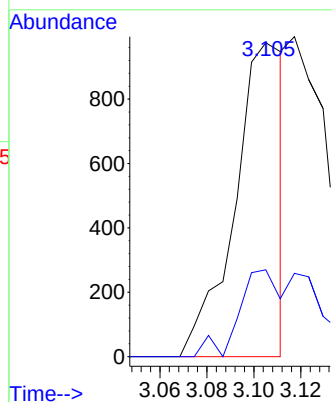
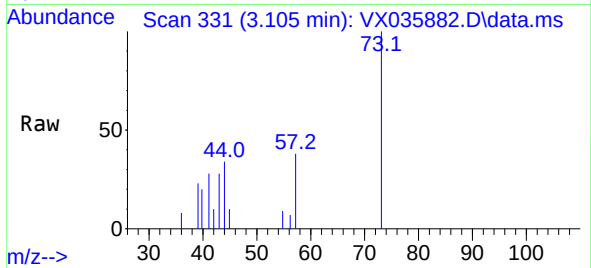
Time-->



#24
Methyl tert-Butyl Ether
Concen: 0.250 ug/l
RT: 3.105 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX035882.D
Acq: 26 May 2023 03:59

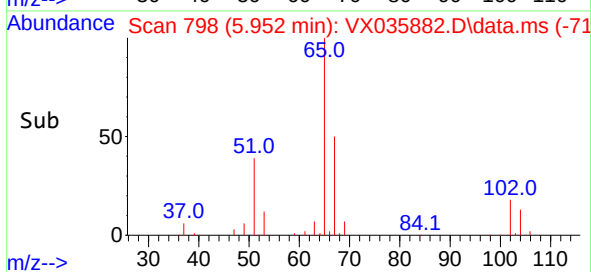
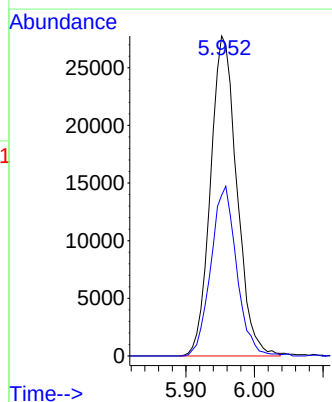
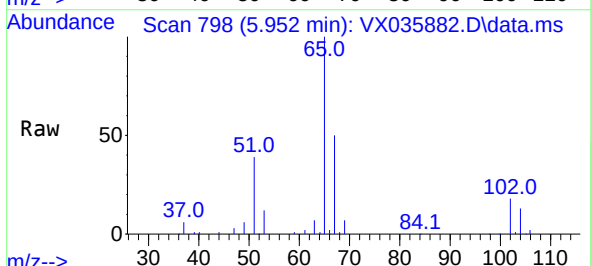
Instrument :
MSVOA_X
ClientSampleId :
TWP03

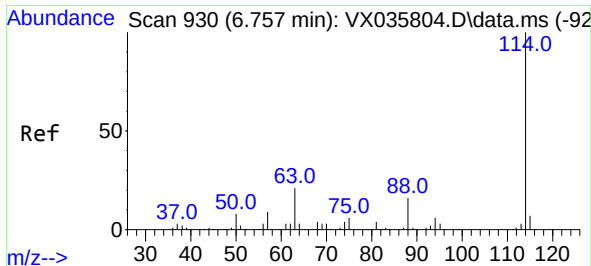
Tgt Ion: 73 Resp: 1413
Ion Ratio Lower Upper
73 100
43 21.4 17.9 26.9



#27
1,2-Dichloroethane-d4
Concen: 31.934 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX035882.D
Acq: 26 May 2023 03:59

Tgt Ion: 65 Resp: 74128
Ion Ratio Lower Upper
65 100
67 51.7 40.9 61.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX035882.D

Acq: 26 May 2023 03:59

Instrument :

MSVOA_X

ClientSampleId :

TWP03

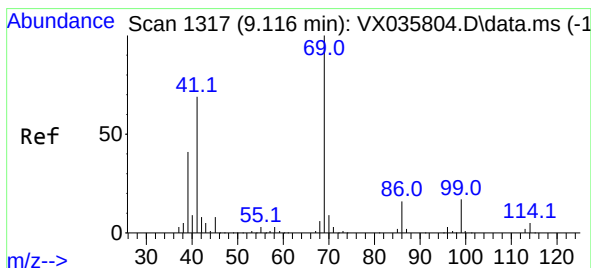
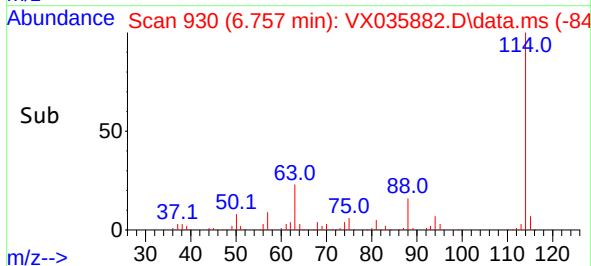
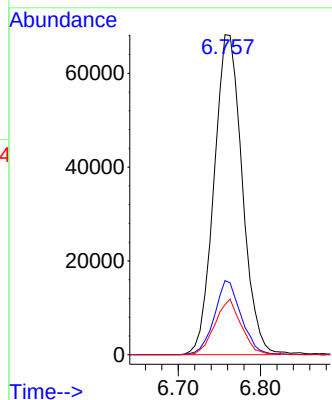
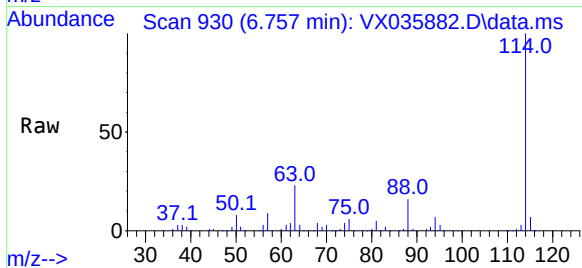
Tgt Ion:114 Resp: 162672

Ion Ratio Lower Upper

114 100

63 22.1 18.0 27.0

88 16.2 13.3 19.9



#51

Ethyl methacrylate

Concen: 0.221 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.463 min

Lab File: VX035882.D

Acq: 26 May 2023 03:59

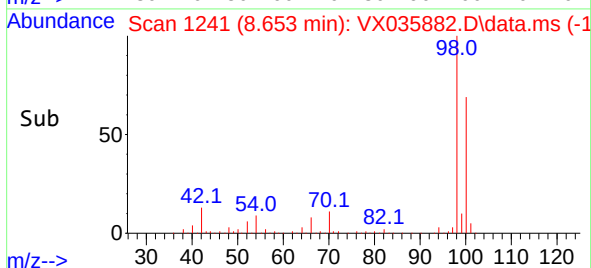
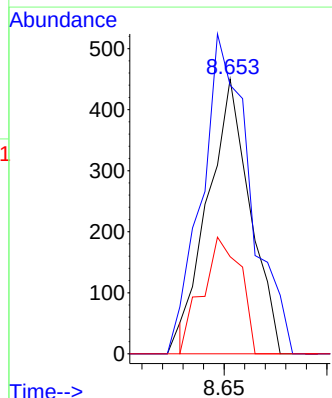
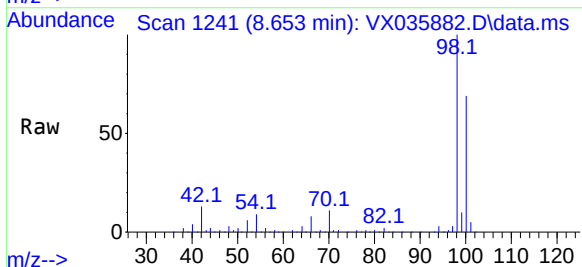
Tgt Ion: 69 Resp: 634

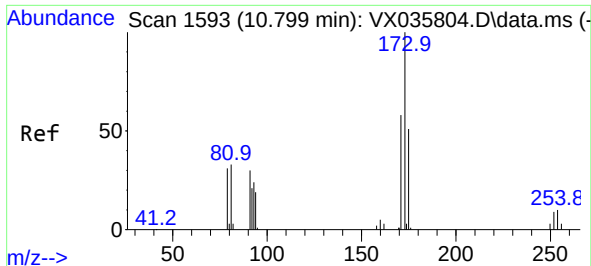
Ion Ratio Lower Upper

69 100

41 80.7 36.2 108.6

39 35.3 21.2 63.6

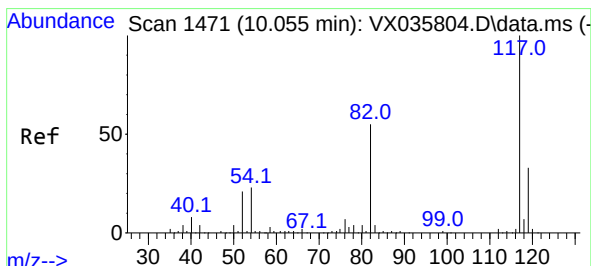
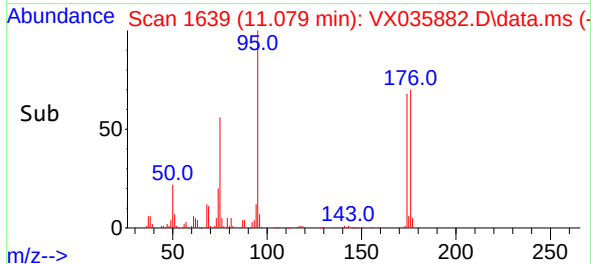
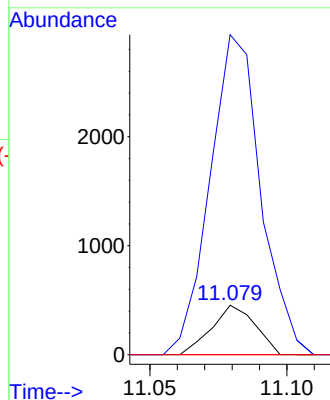
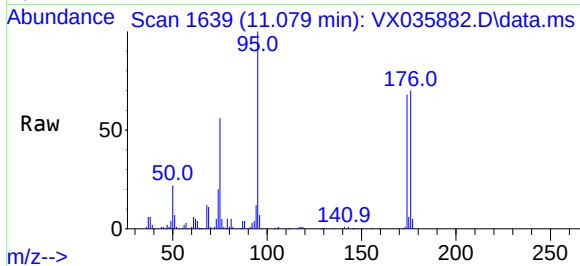




#56
Bromoform
Concen: 0.455 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.280 min
Lab File: VX035882.D
Acq: 26 May 2023 03:59

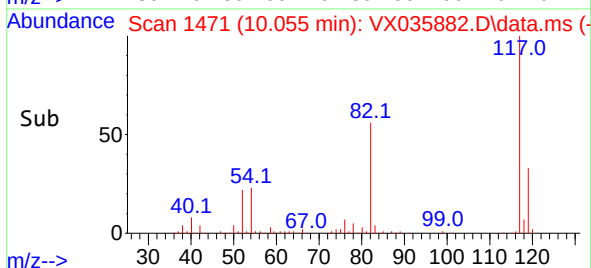
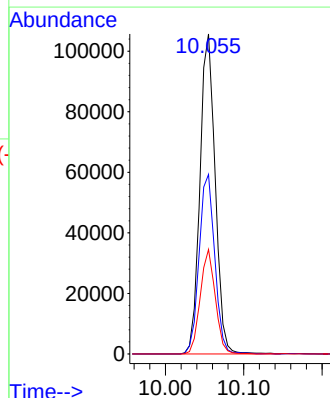
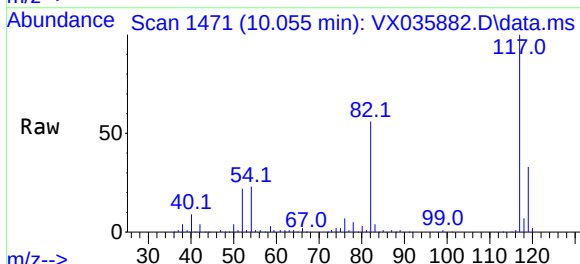
Instrument :
MSVOA_X
ClientSampleId :
TWP03

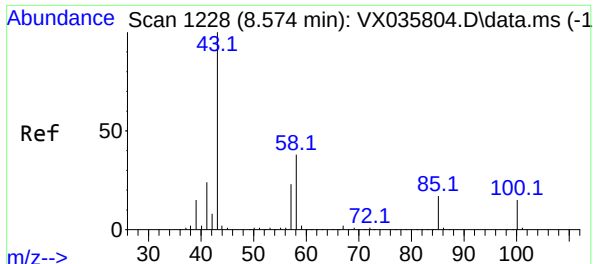
Tgt Ion:173 Resp: 503
Ion Ratio Lower Upper
173 100
175 753.1 37.0 55.4#
254 0.0 6.7 10.1#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035882.D
Acq: 26 May 2023 03:59

Tgt Ion:117 Resp: 143366
Ion Ratio Lower Upper
117 100
82 57.6 45.8 68.8
119 32.1 25.4 38.0

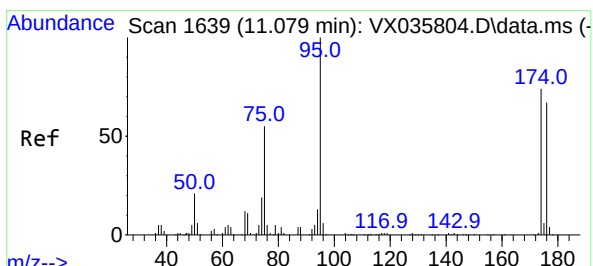
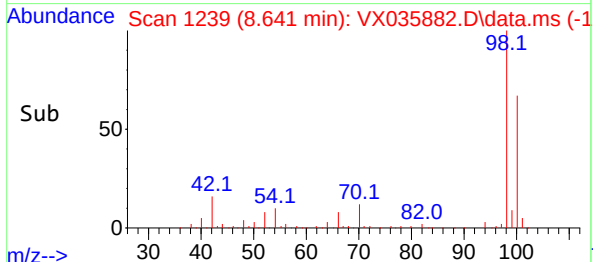
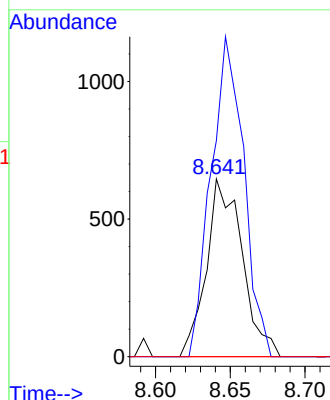
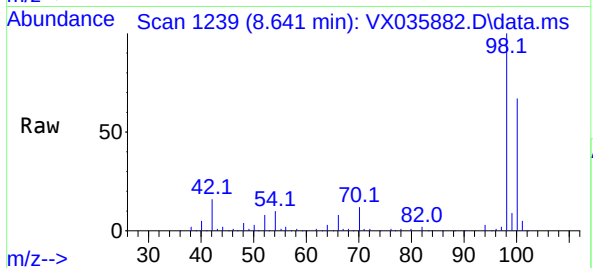




#58
4-Methyl-2-Pentanone
Concen: 0.386 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX035882.D
Acq: 26 May 2023 03:59

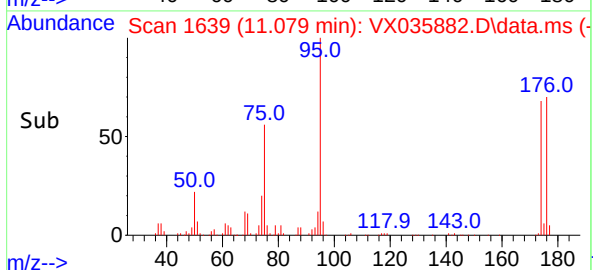
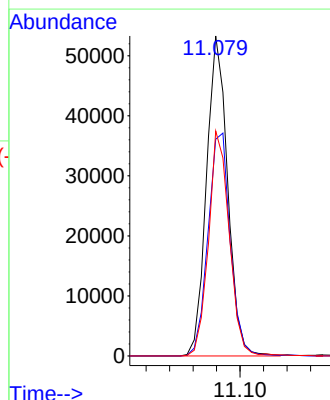
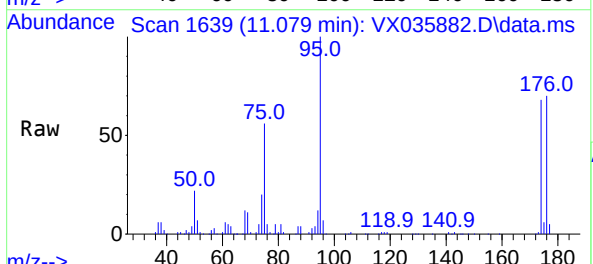
Instrument :
MSVOA_X
ClientSampleId :
TWP03

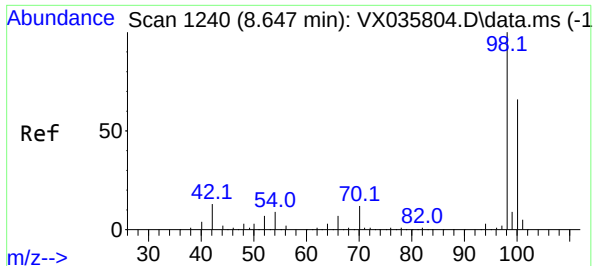
Tgt Ion: 43 Resp: 1076
Ion Ratio Lower Upper
43 100
58 164.9 29.9 44.9#
85 0.0 13.2 19.8#



#60
4-Bromofluorobenzene
Concen: 27.702 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX035882.D
Acq: 26 May 2023 03:59

Tgt Ion: 95 Resp: 66641
Ion Ratio Lower Upper
95 100
174 73.1 0.2 0.4#
176 68.3 0.2 0.2#

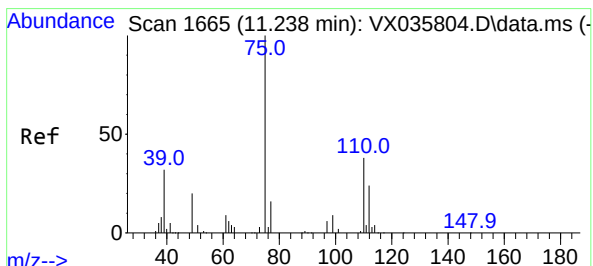
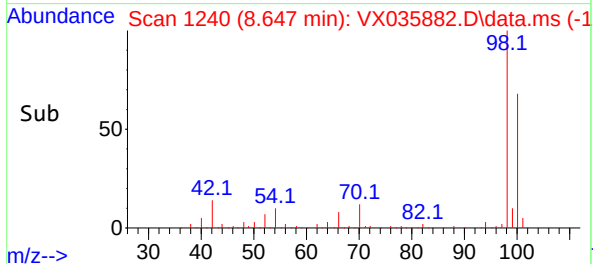
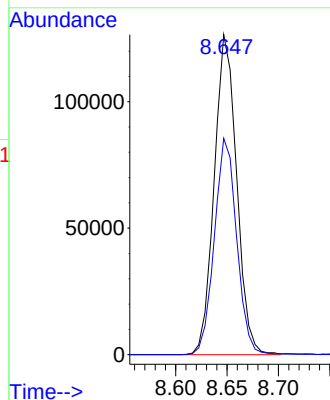
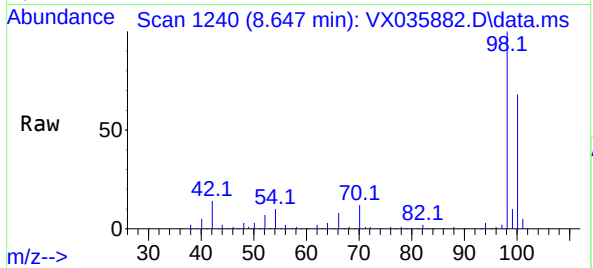




#63
Toluene-d8
Concen: 30.261 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035882.D
Acq: 26 May 2023 03:59

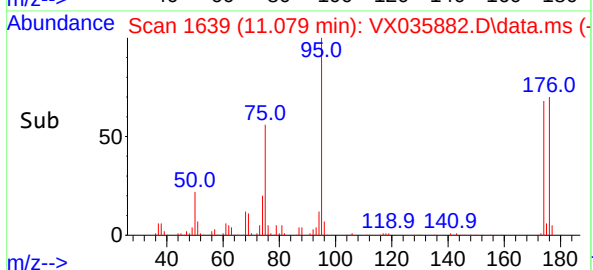
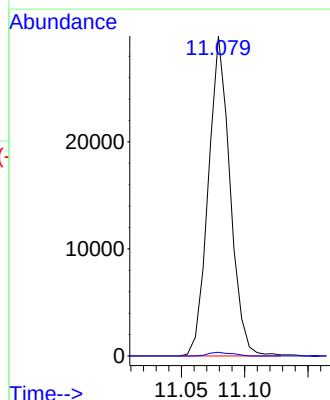
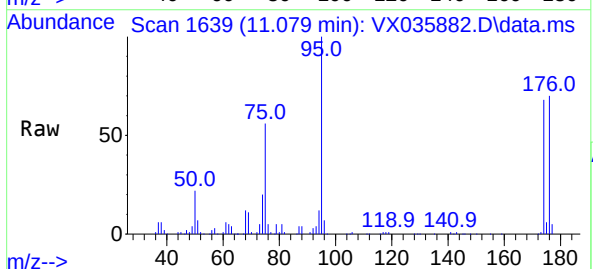
Instrument :
MSVOA_X
ClientSampleId :
TWP03

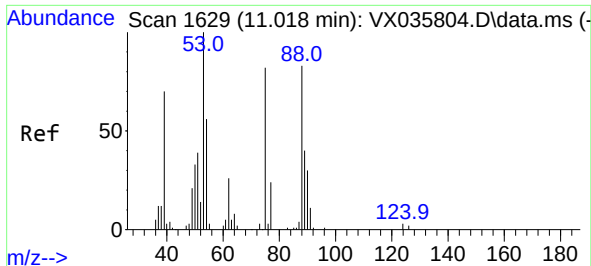
Tgt Ion: 98 Resp: 191792
Ion Ratio Lower Upper
98 100
100 67.4 52.1 78.1



#72
1,2,3-Trichloropropane
Concen: 14.523 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX035882.D
Acq: 26 May 2023 03:59

Tgt Ion: 75 Resp: 35749
Ion Ratio Lower Upper
75 100
77 1.3 0.0 73.8





#77
 t-1,4-Dichloro-2-butene
 Concen: 48.142 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX035882.D
 Acq: 26 May 2023 03:59

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP03

Tgt Ion: 75 Resp: 35749
 Ion Ratio Lower Upper
 75 100
 53 0.2 58.2 174.6#
 89 0.0 20.6 61.8#

