

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051220\
 Data File : VV016028.D
 Acq On : 12 May 2020 20:53
 Operator : SY/MD
 Sample : L2542-10
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 13 07:00:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 13 06:55:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	132080	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	128489	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	58970	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	26412	3.69	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.80%
7) Chloroethane-d5	1.58	69	27809	4.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.80%
11) 1,1-Dichloroethene-d2	2.12	63	45914	2.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.60%#
20) 2-Butanone-d5	3.94	46	110088	53.86	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.72%
24) Chloroform-d	4.38	84	66673	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
26) 1,2-Dichloroethane-d4	5.06	65	44267	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.08	84	140329	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.10	67	46032	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.34	98	123539	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
45) trans-1,3-Dichloropropene-	7.65	79	13785	3.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.20%
48) 2-Hexanone-d5	8.12	63	74341	46.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.40%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	33607	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	48401	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

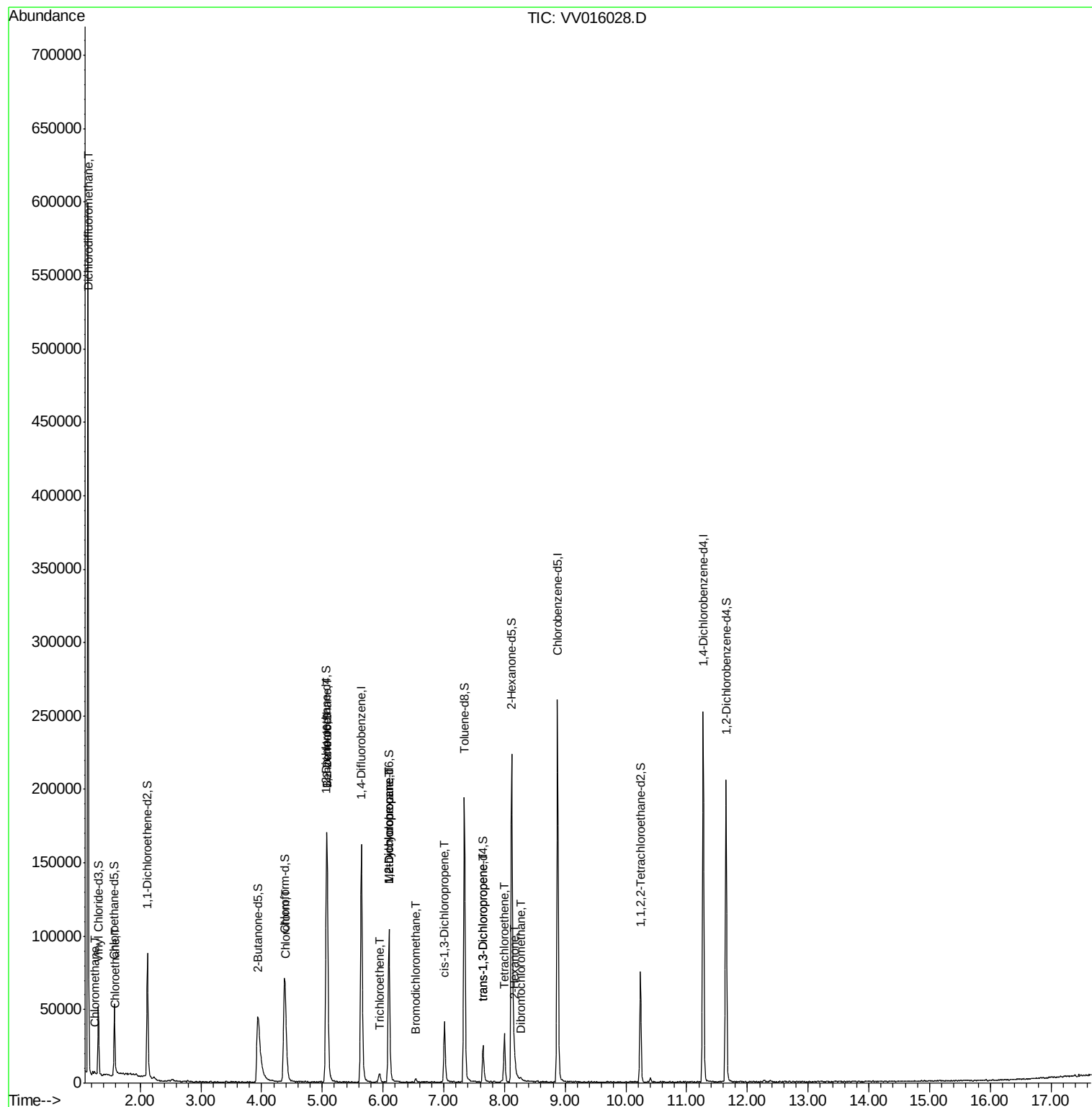
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	6376	0.630	ug/L	100
3) Chloromethane	1.24	50	768	0.075	ug/L	88
8) Chloroethane	1.60	64	3274	0.469	ug/L #	60
25) Chloroform	4.41	83	18449	1.083	ug/L	99
27) 1,2-Dichloroethane	5.08	62	902	0.086	ug/L #	76
34) Trichloroethene	5.94	95	1406	0.152	ug/L	86
35) Methylcyclohexane	6.10	83	11316	0.811	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	5660	0.689	ug/L #	87
38) Bromodichloromethane	6.54	83	1717	0.165	ug/L #	95
39) cis-1,3-Dichloropropene	7.01	75	1135	0.098	ug/L #	45
46) trans-1,3-Dichloropropene	7.65	75	685	0.070	ug/L #	82
49) Tetrachloroethene	8.00	164	6741	1.047	ug/L	98
50) 2-Hexanone	8.17	43	4588	1.267	ug/L #	43
51) Dibromochloromethane	8.27	129	792	0.129	ug/L	88

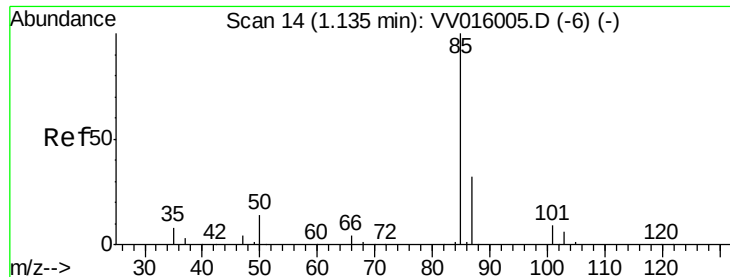
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 13 06:55:36 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.630 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.01 min

Lab File: VV016028.D

Acq: 12 May 2020 20:53

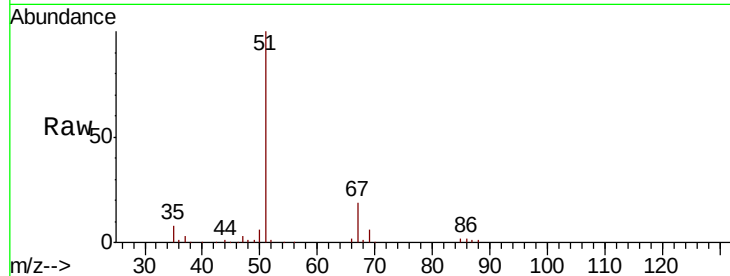
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 6376

Ion Ratio Lower Upper

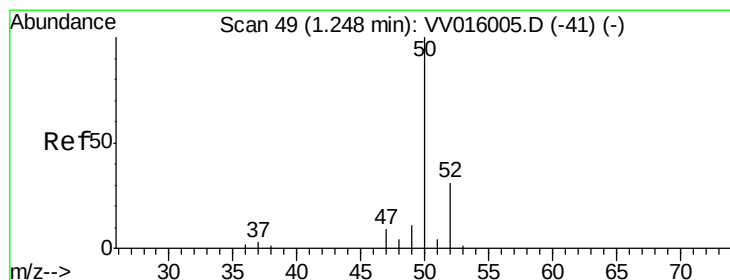
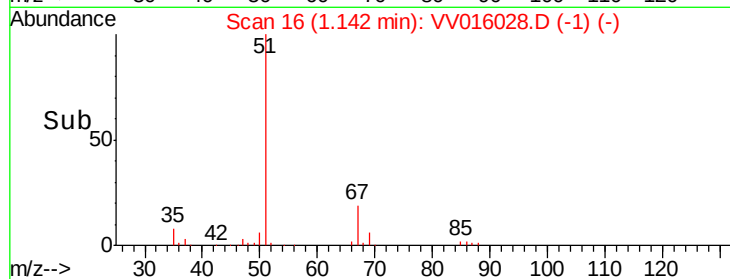
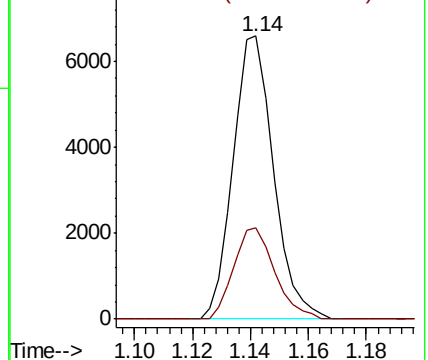
85 100

87 32.8 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV016005.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV016005.D (-6) (-)



#3

Chloromethane

Concen: 0.075 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV016028.D

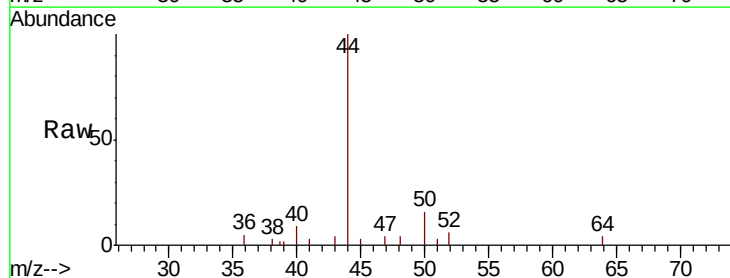
Acq: 12 May 2020 20:53

Tgt Ion: 50 Resp: 768

Ion Ratio Lower Upper

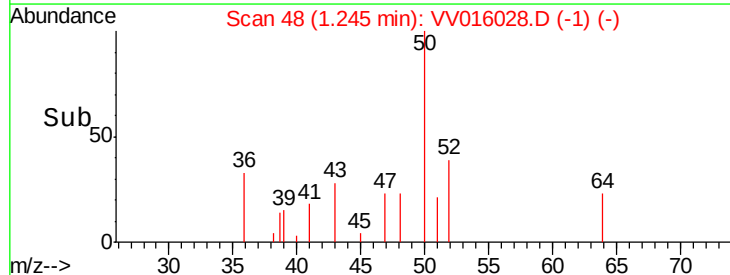
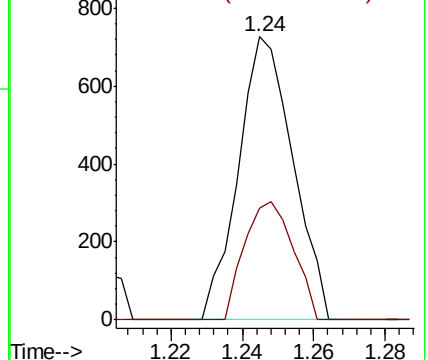
50 100

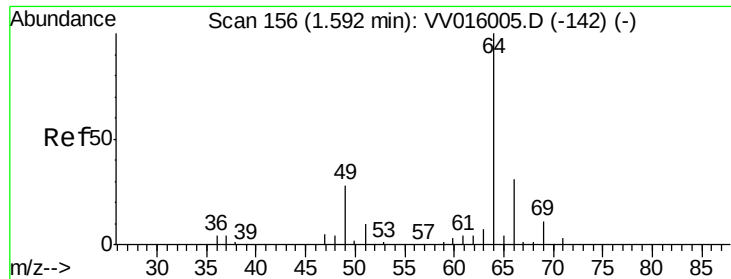
52 39.3 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV016005.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV016005.D (-41) (-)





#8

Chloroethane

Concen: 0.469 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.01 min

Lab File: VV016028.D

Acq: 12 May 2020 20:53

Instrument :

MSVOA_V

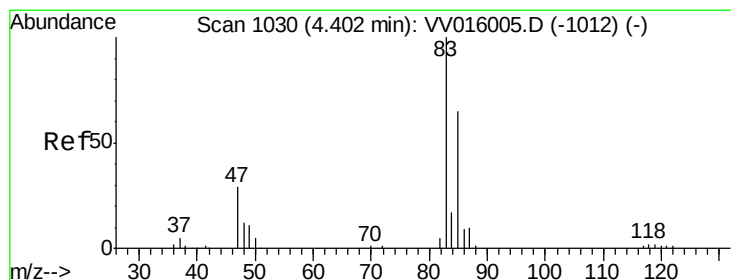
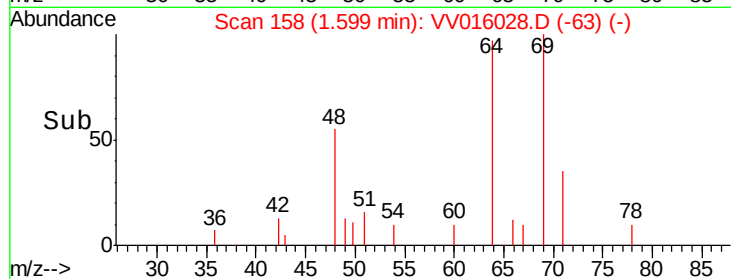
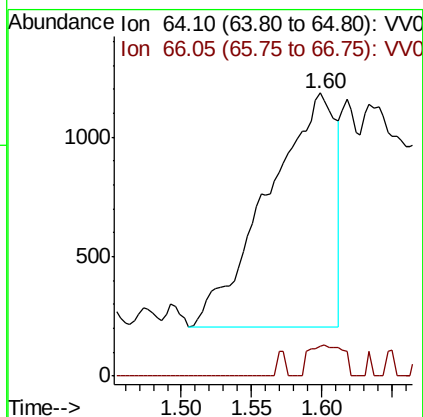
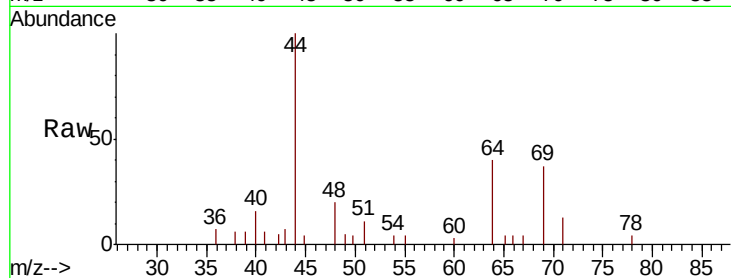
ClientSampleId :

Tot Ion: 64 Resp: 3274

Ion Ratio Lower Upper

64 100

66 10.6 23.6 43.8#



#25

Chloroform

Concen: 1.083 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV016028.D

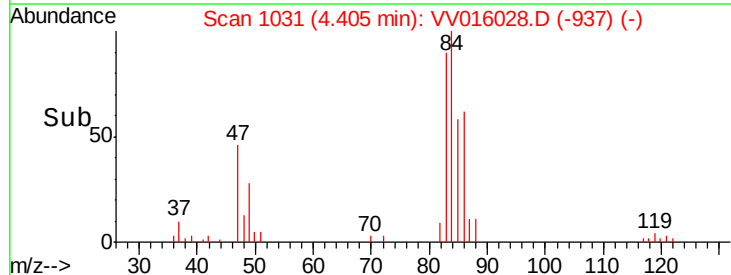
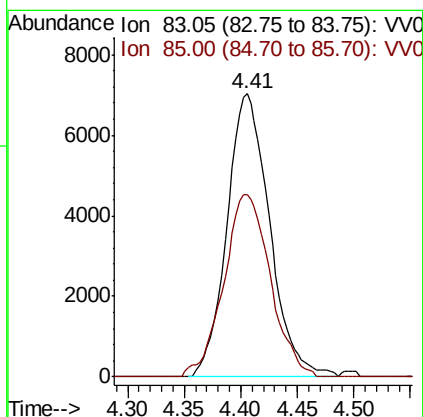
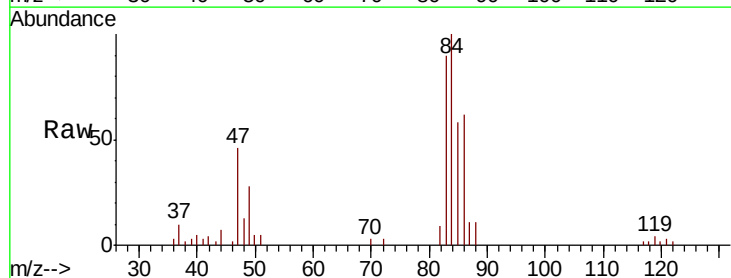
Acq: 12 May 2020 20:53

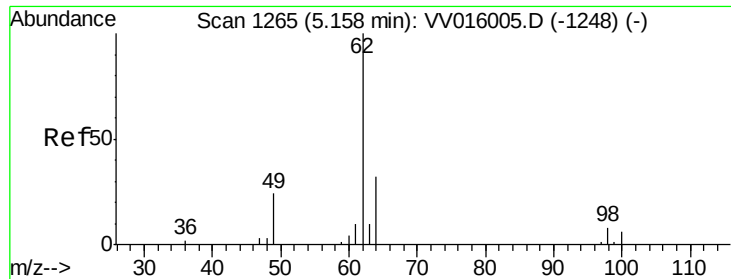
Tgt Ion: 83 Resp: 18449

Ion Ratio Lower Upper

83 100

85 64.2 45.7 84.9





#27

1,2-Dichloroethane

Concen: 0.086 ug/L

RT: 5.08 min Scan# 1240

Delta R.T. -0.08 min

Lab File: VV016028.D

Acq: 12 May 2020 20:53

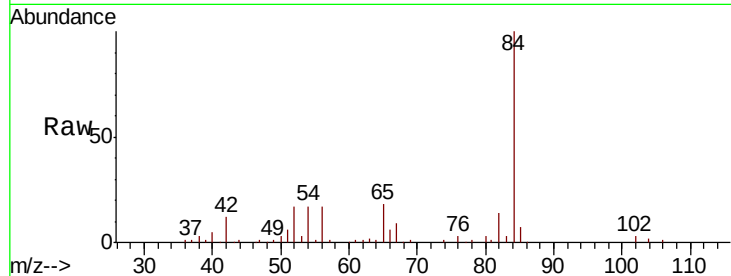
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 902

Ion Ratio Lower Upper

62 100

98 0.0 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VV016005.D (-1248) (-)

Ion 98.05 (97.75 to 98.75): VV016005.D (-1248) (-)

5.08

400

300

200

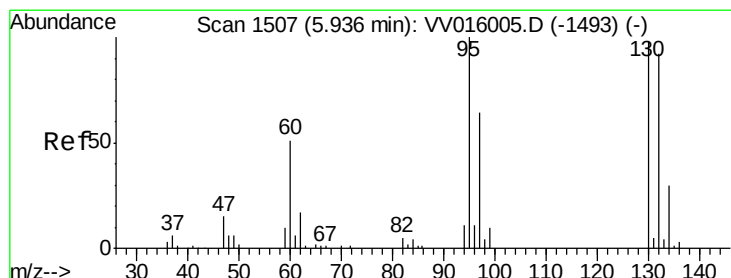
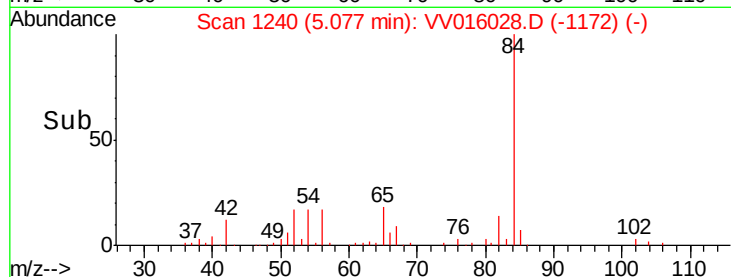
100

0

5.05

5.10

Time-->



#34

Trichloroethene

Concen: 0.152 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV016028.D

Acq: 12 May 2020 20:53

Tgt Ion: 95 Resp: 1406

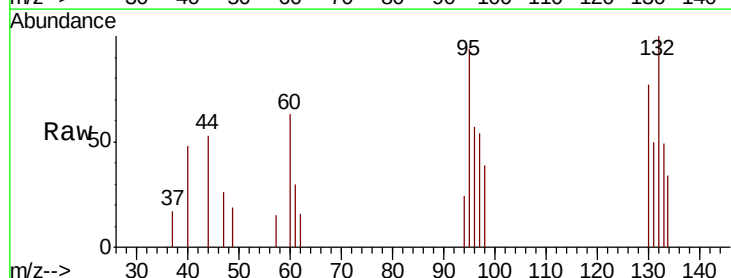
Ion Ratio Lower Upper

95 100

97 57.7 43.3 80.5

132 106.7 60.3 112.1

130 82.5 66.0 122.6



Abundance Ion 95.00 (94.70 to 95.70): VV016005.D (-1493) (-)

Ion 96.95 (96.65 to 97.65): VV016005.D (-1493) (-)

Ion 131.95 (131.65 to 132.65): VV016005.D (-1493) (-)

Ion 129.95 (129.65 to 130.65): VV016005.D (-1493) (-)

1200

1000

800

600

400

200

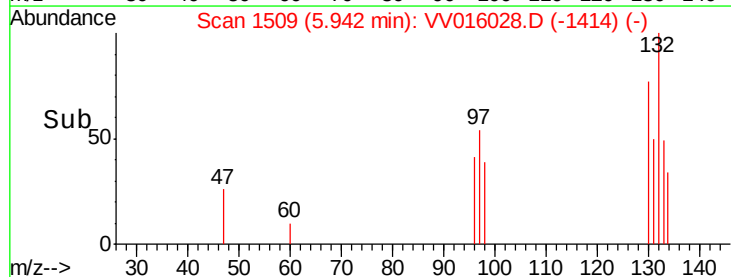
0

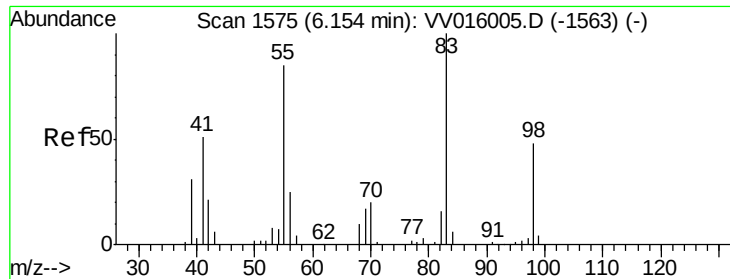
5.90

5.95

6.00

Time-->

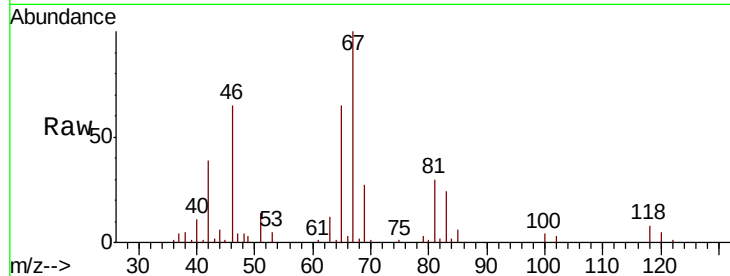




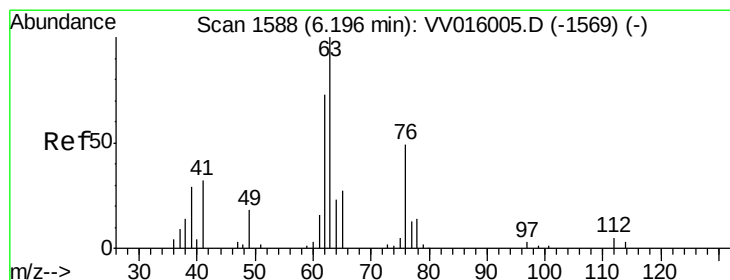
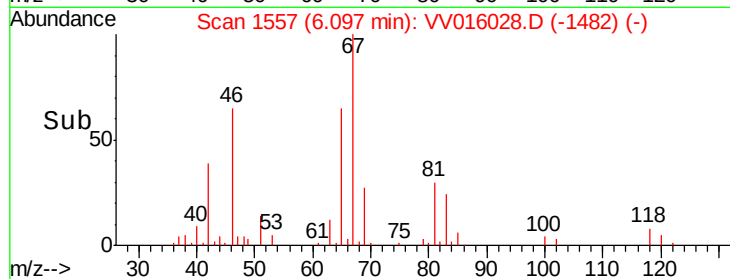
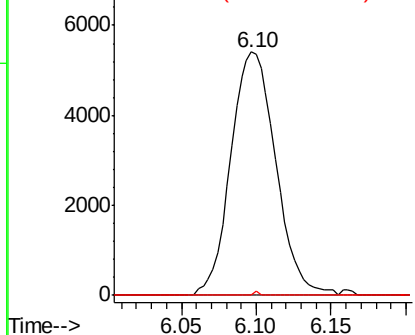
#35
Methylvlcyclohexane
Concen: 0.811 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV016028.D
Acq: 12 May 2020 20:53

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 11316
Ion Ratio Lower Upper
83 100
55 0.0 66.2 99.2#
98 0.2 37.9 56.9#

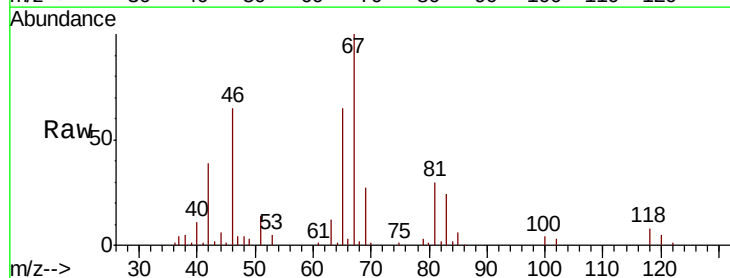


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

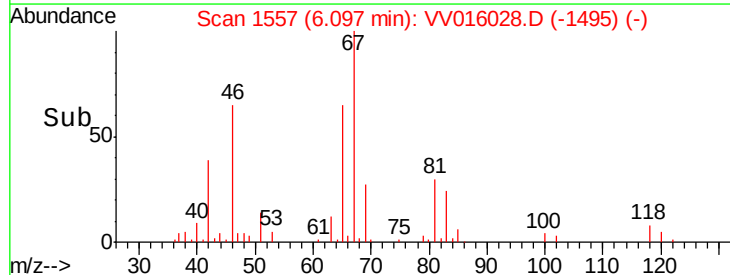
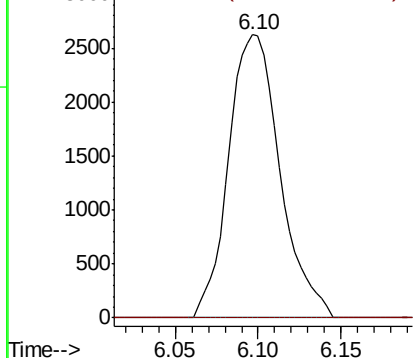


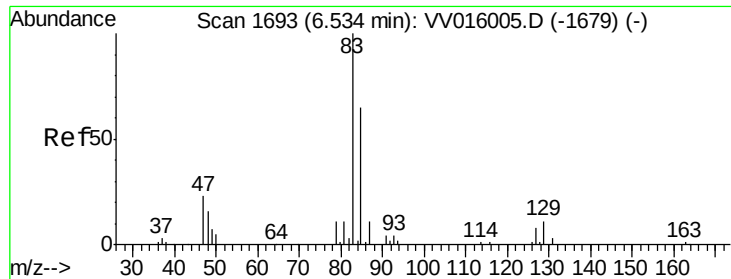
#37
1,2-Dichloropropane
Concen: 0.689 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV016028.D
Acq: 12 May 2020 20:53

Tgt Ion: 63 Resp: 5660
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.165 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VV016028.D

Acq: 12 May 2020 20:53

Instrument :

MSVOA_V

ClientSampleId :

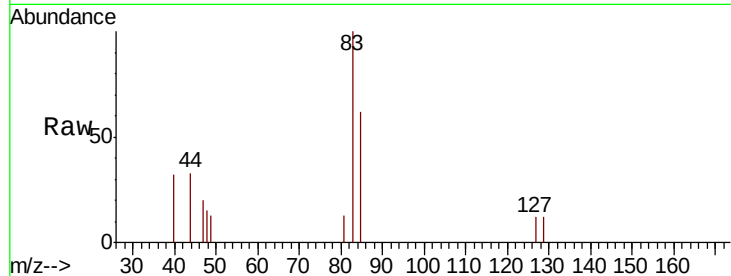
Tot Ion: 83 Resp: 1717

Ion Ratio Lower Upper

83 100

85 61.7 45.5 84.5

127 12.3 6.2 9.4#

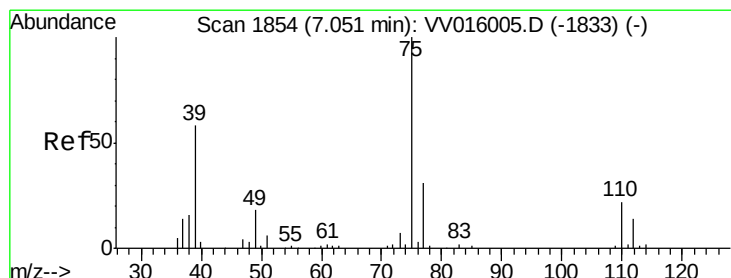
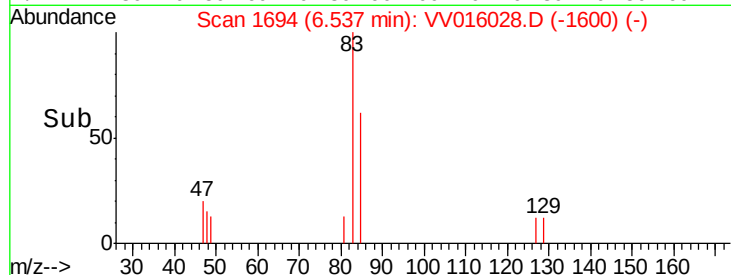


Abundance Ion 82.95 (82.65 to 83.65): VV016005.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV016005.D (-1679) (-)

Ion 126.90 (126.60 to 127.60): VV016005.D (-1679) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.098 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV016028.D

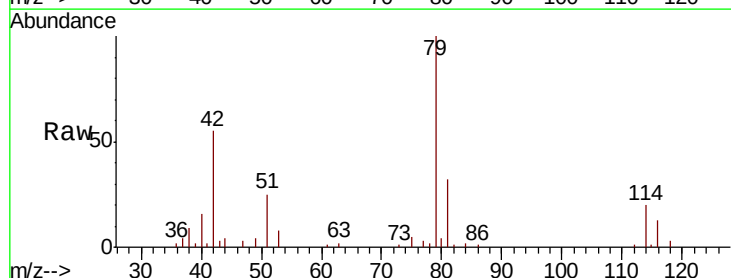
Acq: 12 May 2020 20:53

Tgt Ion: 75 Resp: 1135

Ion Ratio Lower Upper

75 100

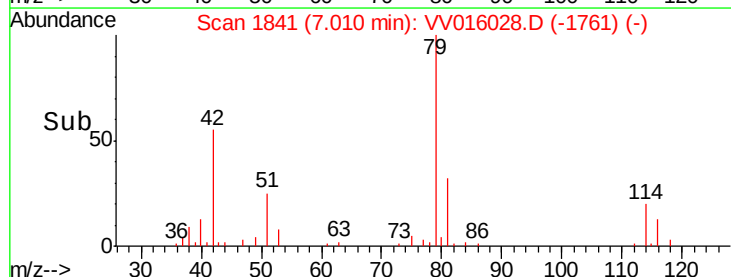
77 60.2 21.3 39.5#

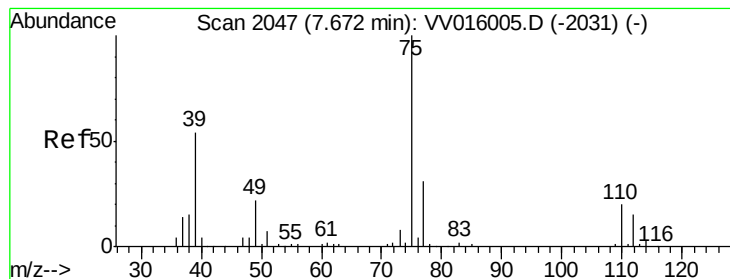


Abundance Ion 75.05 (74.75 to 75.75): VV016005.D (-1833) (-)

Ion 77.05 (76.75 to 77.75): VV016005.D (-1833) (-)

Time-->





#46

trans-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV016028.D

Acq: 12 May 2020 20:53

Instrument :

MSVOA_V

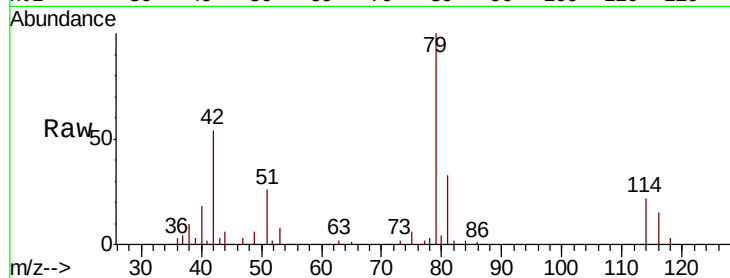
ClientSampleId :

Tot Ion: 75 Resp: 685

Ion Ratio Lower Upper

75 100

77 40.4 21.3 39.6#



Abundance Ion 75.05 (74.75 to 75.75): VV016005.D (-2031) (-)

Ion 77.05 (76.75 to 77.75): VV016005.D (-2031) (-)

7.65

400

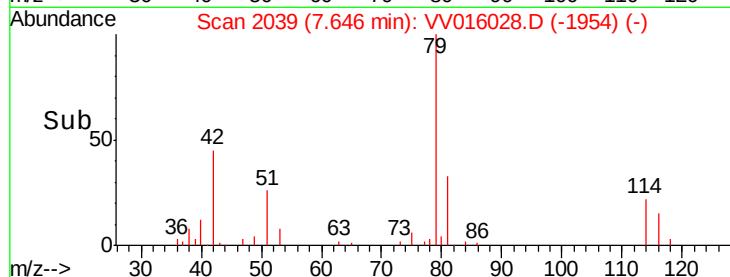
300

200

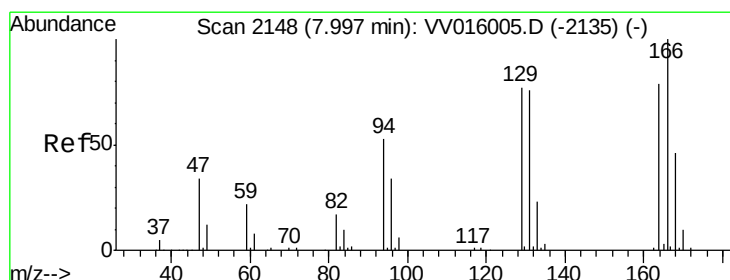
100

0

7.60 7.62 7.64 7.66 7.68



Time-->



#49

Tetrachloroethene

Concen: 1.047 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV016028.D

Acq: 12 May 2020 20:53

Tgt Ion: 164 Resp: 6741

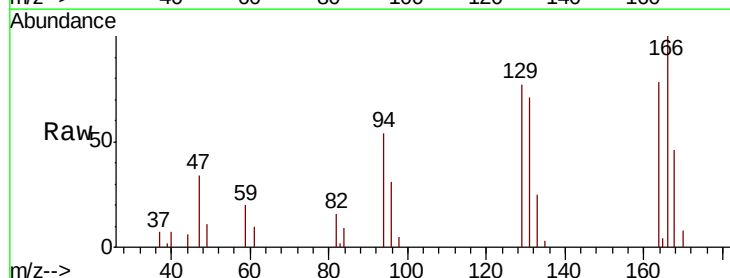
Ion Ratio Lower Upper

164 100

129 99.1 69.7 129.4

131 91.0 66.8 124.2

166 127.8 89.1 165.5



Abundance Ion 163.90 (163.60 to 164.60): VV016005.D (-2135) (-)

Ion 128.95 (128.65 to 129.65): VV016005.D (-2135) (-)

Ion 130.95 (130.65 to 131.65): VV016005.D (-2135) (-)

Ion 165.90 (165.60 to 166.60): VV016005.D (-2135) (-)

8000

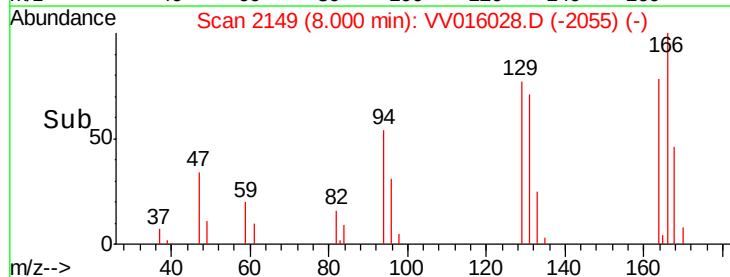
6000

4000

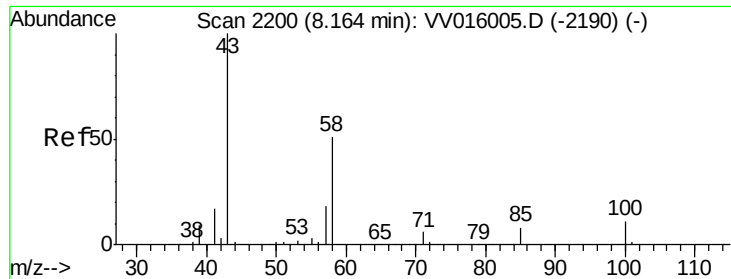
2000

0

7.95 8.00 8.05



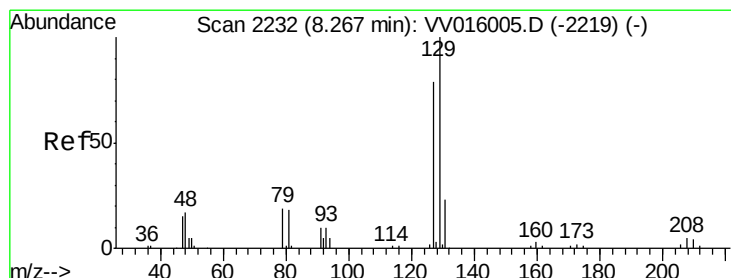
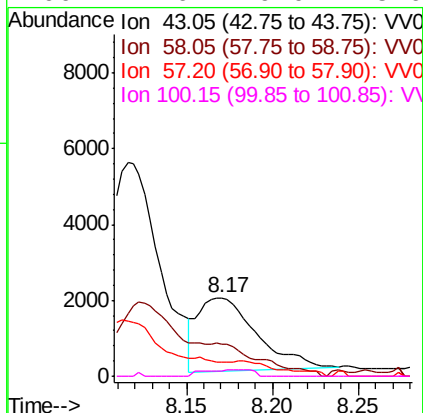
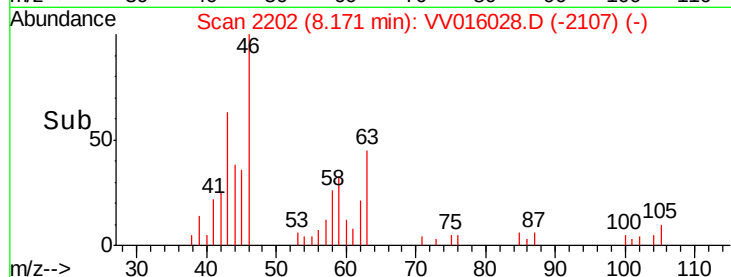
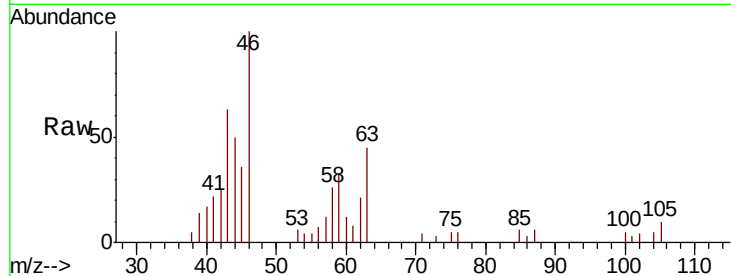
Time-->



#50
2-Hexanone
Concen: 1.267 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV016028.D
Acq: 12 May 2020 20:53

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 4588
Ion Ratio Lower Upper
43 100
58 0.0 40.8 61.2#
57 0.0 14.7 22.1#
100 7.6 9.0 13.6#



#51
Dibromochloromethane
Concen: 0.129 ug/L
RT: 8.27 min Scan# 2234
Delta R.T. 0.01 min
Lab File: VV016028.D
Acq: 12 May 2020 20:53

Tgt Ion: 129 Resp: 792
Ion Ratio Lower Upper
129 100
127 90.5 56.0 104.0

