

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072320\
 Data File : VV017637.D
 Acq On : 24 Jul 2020 09:03
 Operator : SY/MD
 Sample : L3398-16
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4C80

Quant Time: Jul 24 12:21:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 24 12:19:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	163139	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	160939	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	75207	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	35738	4.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.80%
7) Chloroethane-d5	1.58	69	28737	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.12	63	58141	3.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.60%
20) 2-Butanone-d5	3.96	46	80694	43.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.60%
24) Chloroform-d	4.37	84	94028	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.06	65	48499	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.07	84	159486	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.10	67	45533	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.34	98	146115	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
45) trans-1,3-Dichloropropene-	7.65	79	18819	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
48) 2-Hexanone-d5	8.12	63	53747	38.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.62%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	30938	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	58690	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

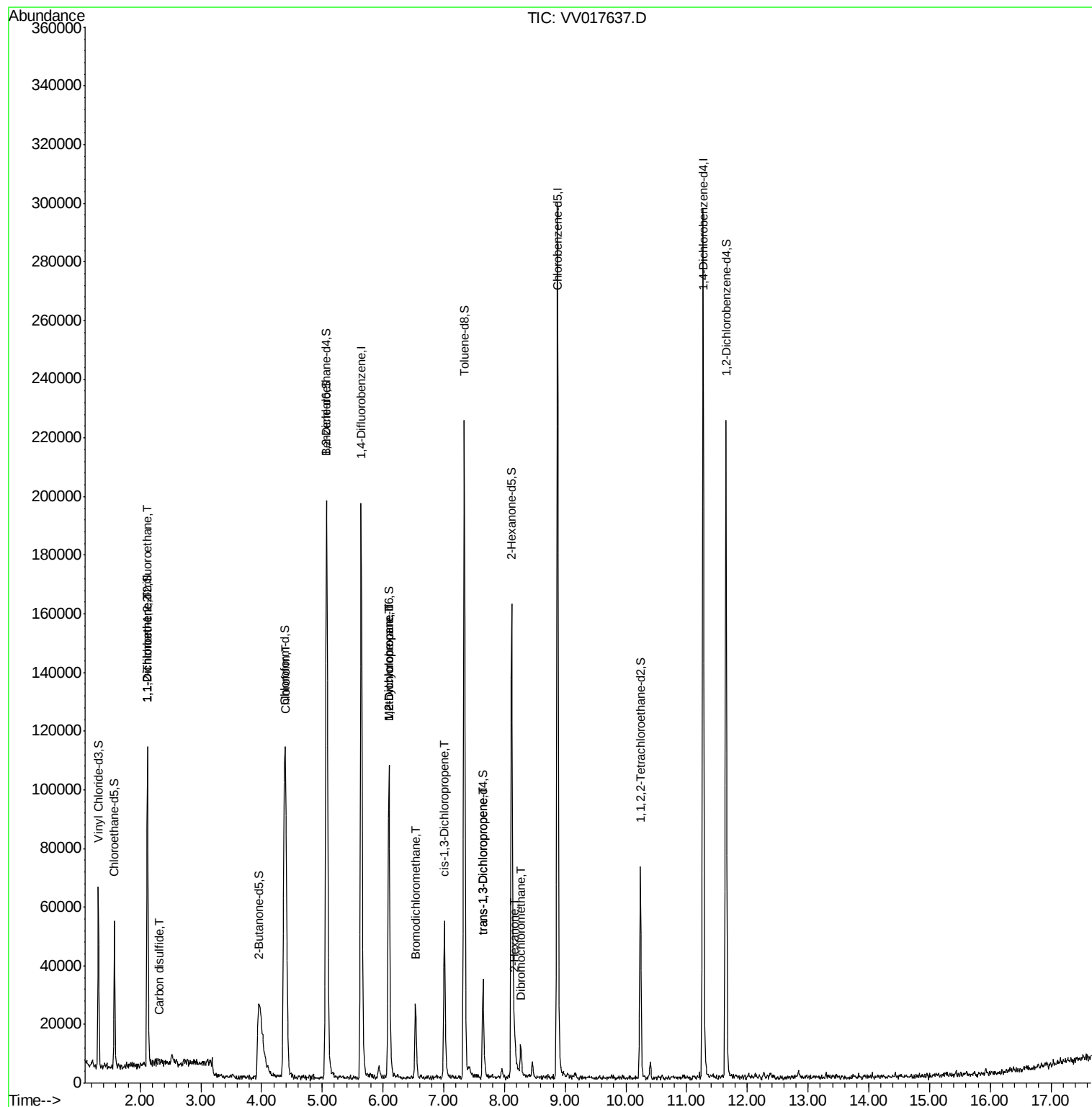
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	766	0.079	ug/L #	23
12) 1,1-Dichloroethene	2.12	96	733	0.083	ug/L #	1
14) Carbon disulfide	2.31	76	1147	0.043	ug/L #	85
25) Chloroform	4.40	83	64798	2.868	ug/L	95
35) Methylcyclohexane	6.09	83	13055	0.678	ug/L #	19
37) 1,2-Dichloropropane	6.09	63	6204	0.579	ug/L #	84
38) Bromodichloromethane	6.53	83	16580	1.053	ug/L #	89
39) cis-1,3-Dichloropropene	7.01	75	1732	0.107	ug/L #	72
46) trans-1,3-Dichloropropene	7.65	75	1113	0.077	ug/L	94
50) 2-Hexanone	8.17	43	6747	1.624	ug/L #	60
51) Dibromochloromethane	8.27	129	4606	0.446	ug/L	81

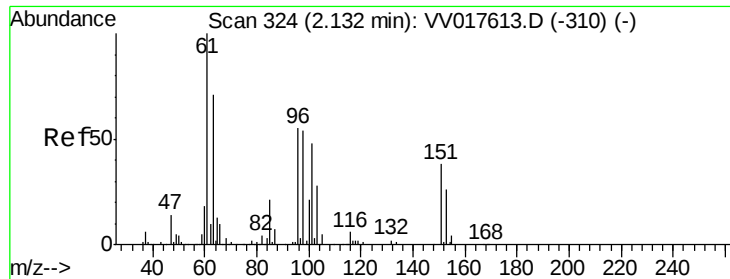
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.079 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

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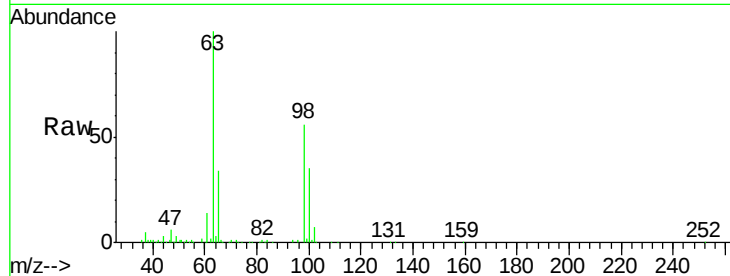
Tgt Ion: 101 Resp: 766

Ion Ratio Lower Upper

101 100

85 6.7 34.6 51.8#

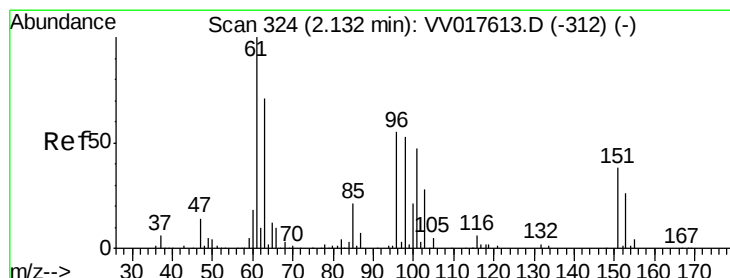
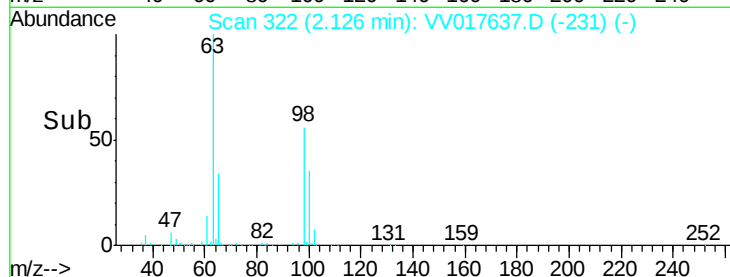
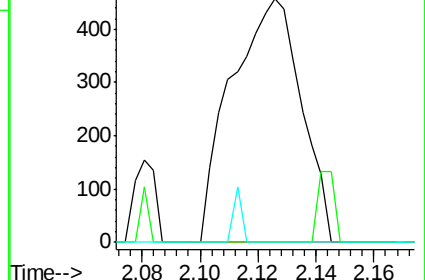
151 2.6 63.5 95.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.083 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017637.D

Acq: 24 Jul 2020 09:03

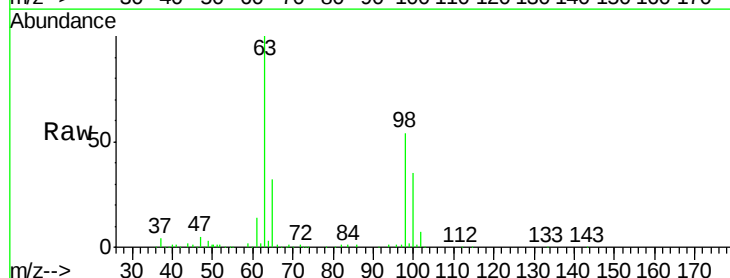
Tgt Ion: 96 Resp: 733

Ion Ratio Lower Upper

96 100

61 1109.1 123.1 228.7#

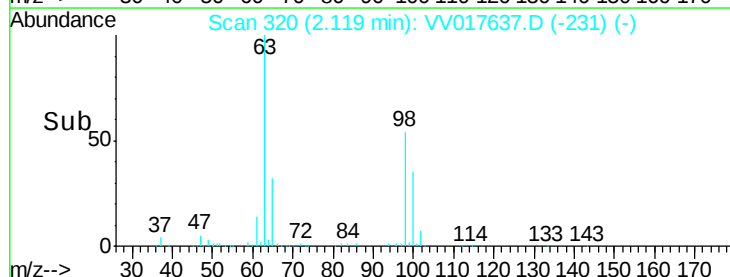
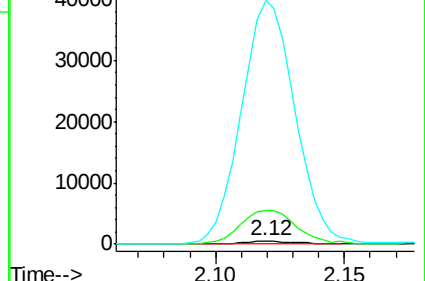
63 7895.2 91.2 169.4#

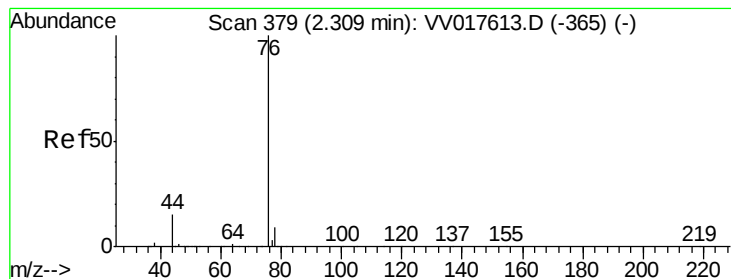


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.043 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV017637.D

Acq: 24 Jul 2020 09:03

Instrument :

MSVOA_V

ClientSampleId :

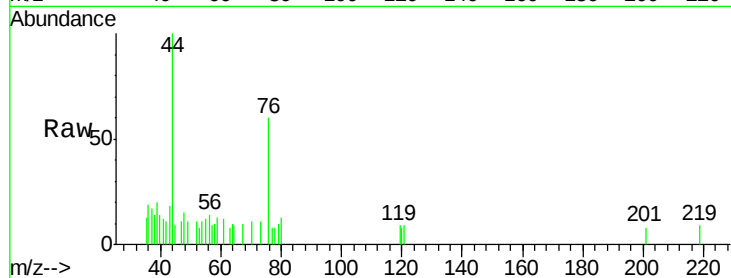
F4C80

Tgt Ion: 76 Resp: 1147

Ion Ratio Lower Upper

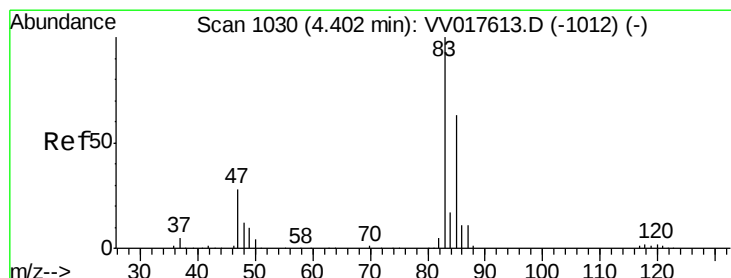
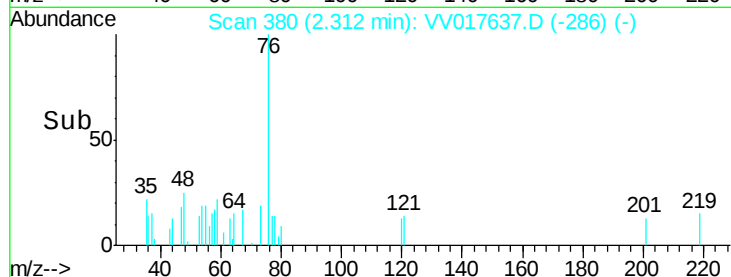
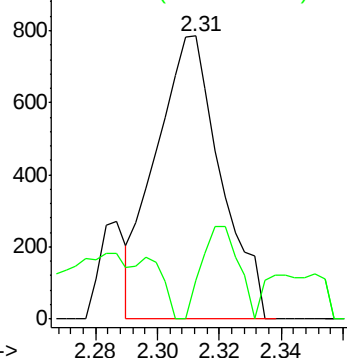
76 100

78 13.8 6.6 10.0#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#25

Chloroform

Concen: 2.868 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV017637.D

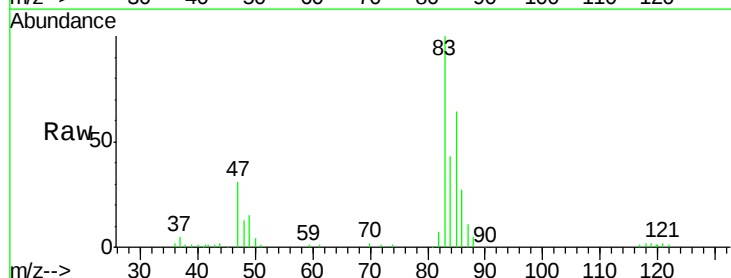
Acq: 24 Jul 2020 09:03

Tgt Ion: 83 Resp: 64798

Ion Ratio Lower Upper

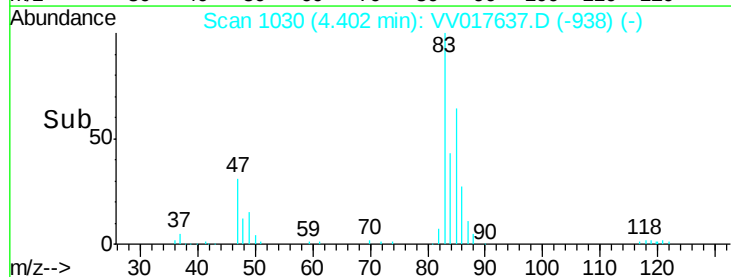
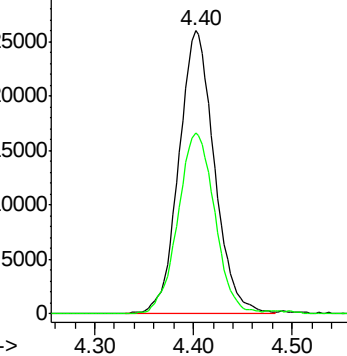
83 100

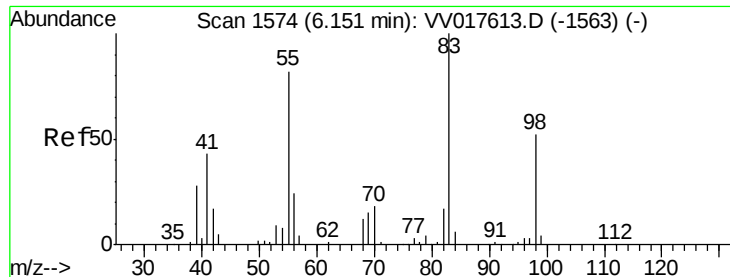
85 63.8 47.3 87.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

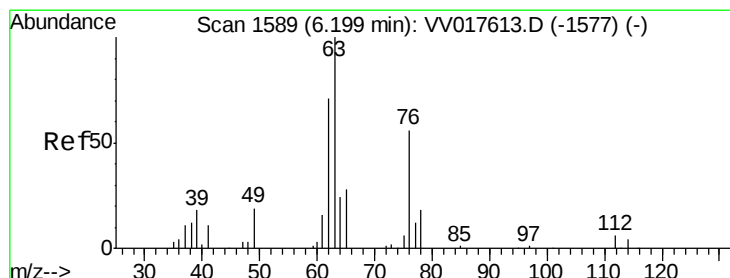
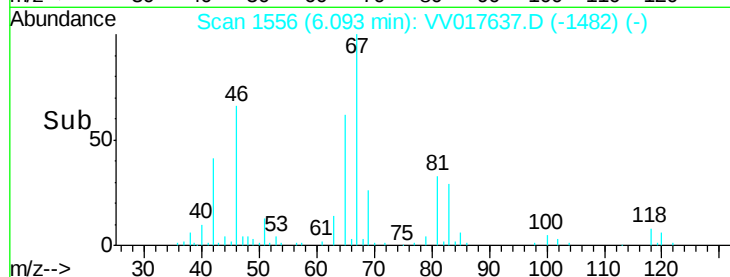
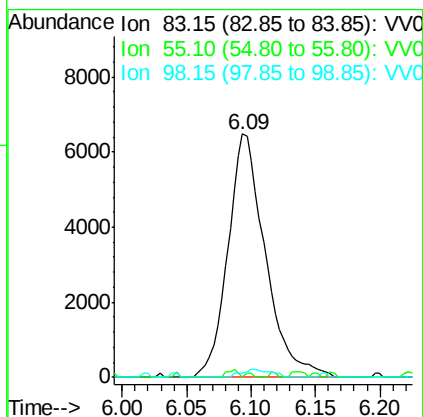
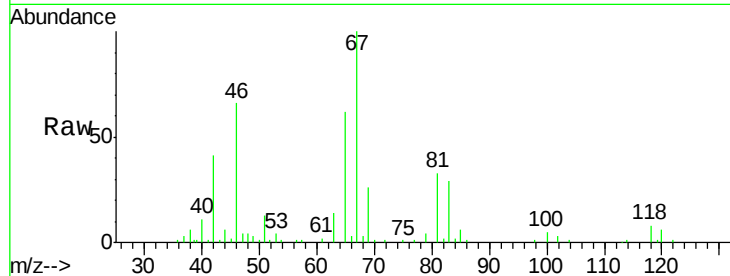




#35
Methylcyclohexane
Concen: 0.678 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017637.D
Acq: 24 Jul 2020 09:03

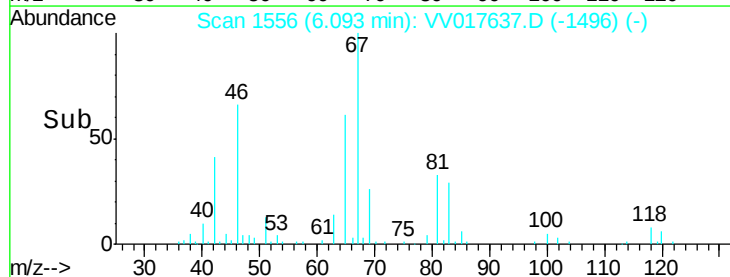
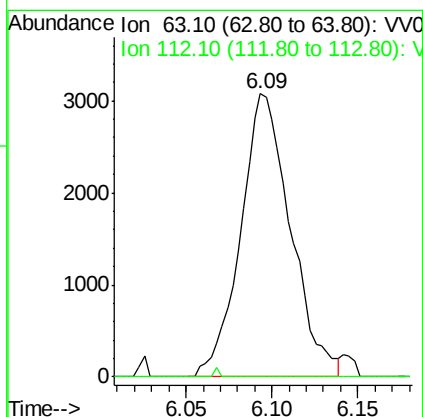
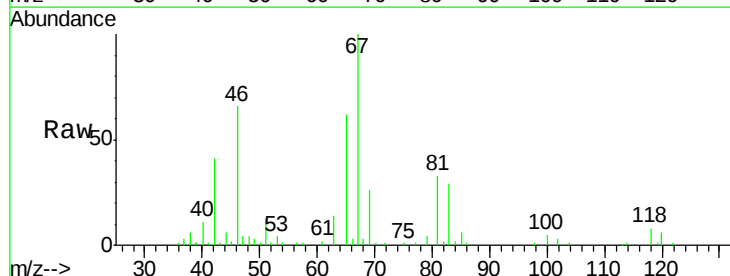
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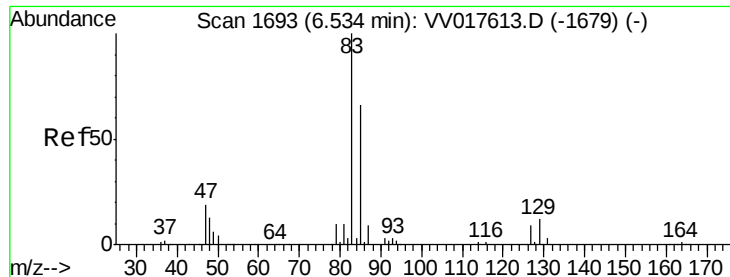
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.3	61.8	92.8#
98	2.5	39.0	58.6#



#37
1,2-Dichloropropane
Concen: 0.579 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.11 min
Lab File: VV017637.D
Acq: 24 Jul 2020 09:03

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.3	4.5	6.7#

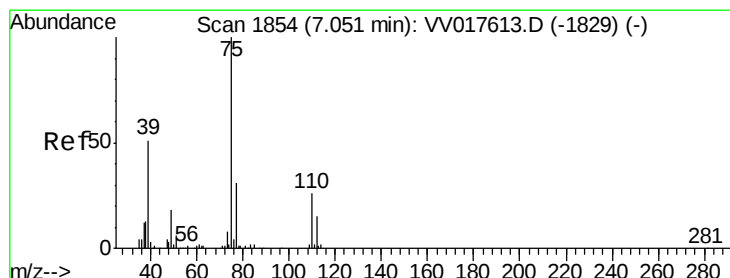
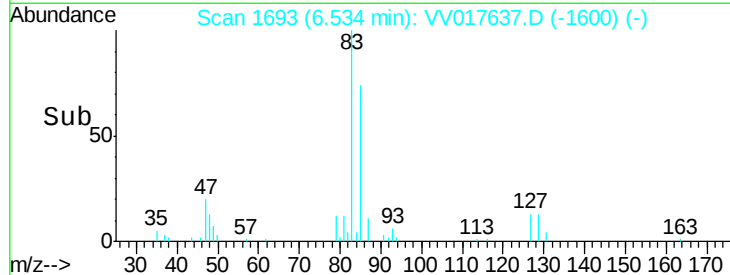
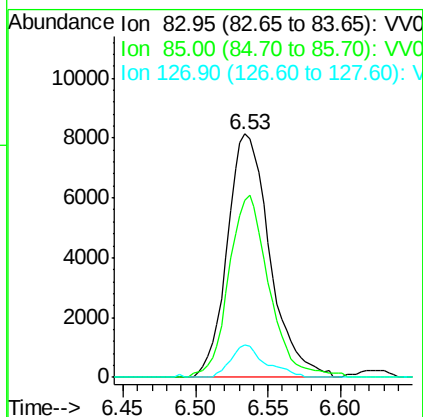
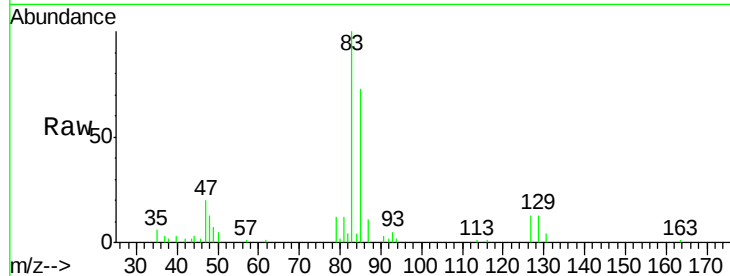




#38
 Bromodichloromethane
 Concen: 1.053 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV017637.D
 Acq: 24 Jul 2020 09:03

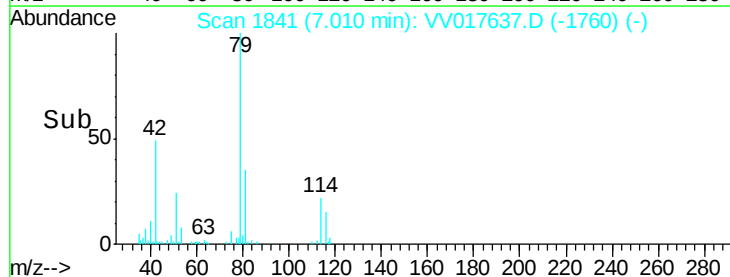
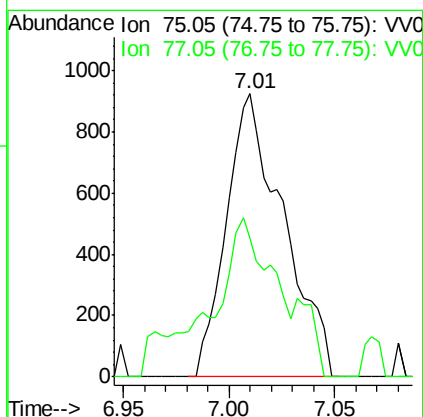
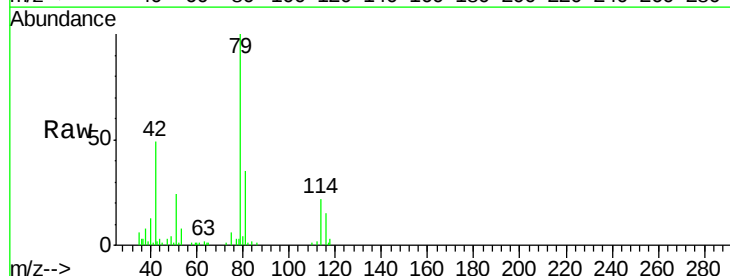
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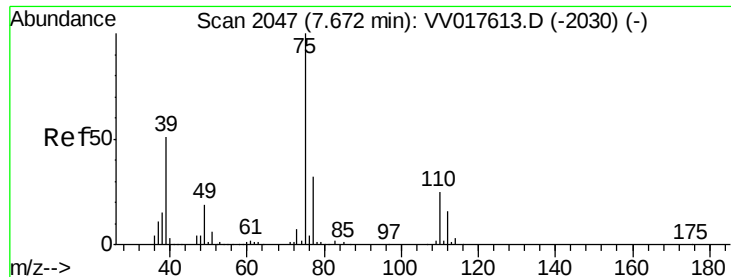
Tgt Ion: 83 Resp: 16580
 Ion Ratio Lower Upper
 83 100
 85 72.8 44.7 83.1
 127 13.2 7.4 11.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.107 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017637.D
 Acq: 24 Jul 2020 09:03

Tgt Ion: 75 Resp: 1732
 Ion Ratio Lower Upper
 75 100
 77 48.9 23.2 43.2#

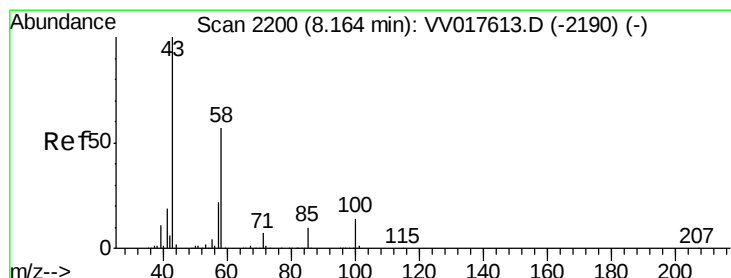
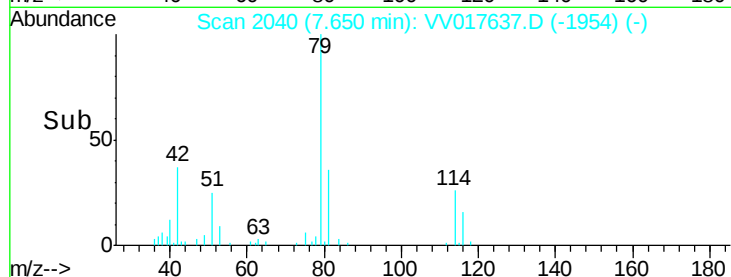
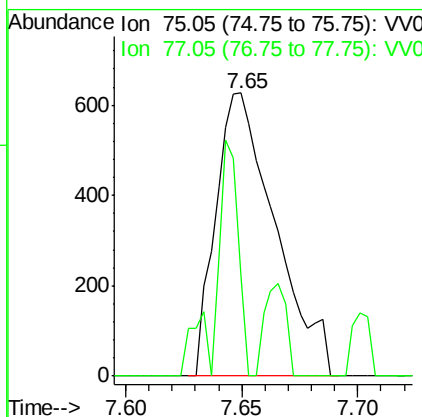
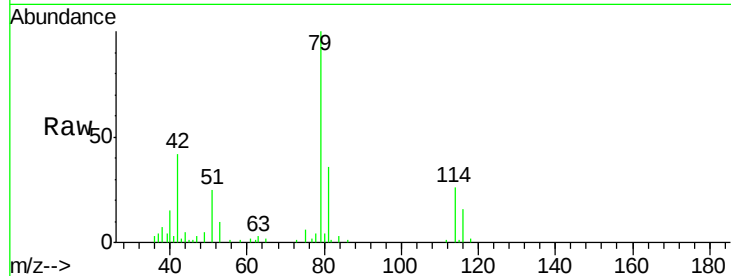




#46
trans-1,3-Dichloropropene
Concen: 0.077 ug/L
RT: 7.65 min Scan# 2040
Delta R.T. -0.02 min
Lab File: VV017637.D
Acq: 24 Jul 2020 09:03

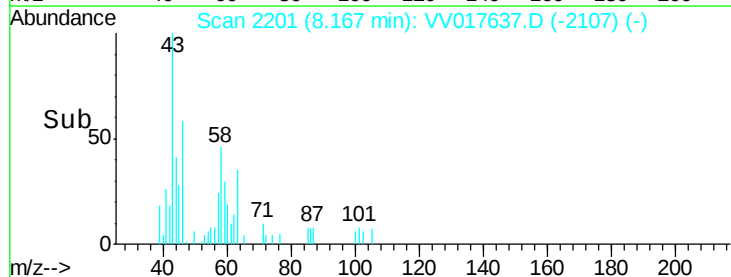
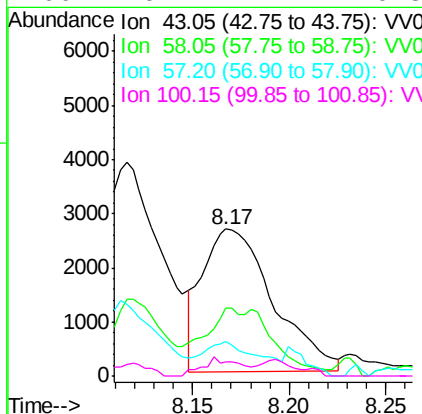
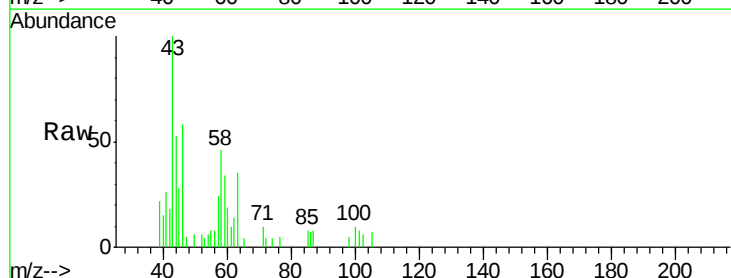
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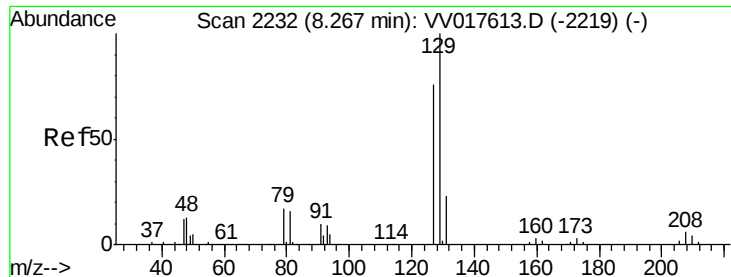
Tgt Ion: 75 Resp: 1113
Ion Ratio Lower Upper
75 100
77 35.6 22.5 41.7



#50
2-Hexanone
Concen: 1.624 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV017637.D
Acq: 24 Jul 2020 09:03

Tgt Ion: 43 Resp: 6747
Ion Ratio Lower Upper
43 100
58 10.1 41.6 62.4#
57 18.2 15.4 23.0
100 6.4 11.2 16.8#

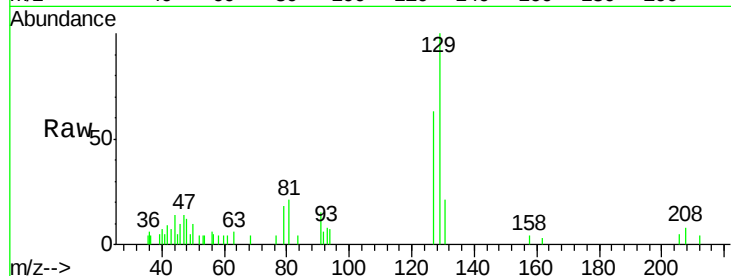




#51
 Dibromochloromethane
 Concen: 0.446 ug/L
 RT: 8.27 min Scan# 2232
 Delta R.T. -0.00 min
 Lab File: VV017637.D
 Acq: 24 Jul 2020 09:03

Instrument :
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Tgt Ion:129 Resp: 4606
 Ion Ratio Lower Upper
 129 100
 127 63.4 56.3 104.5



Abundance Ion 128.95 (128.65 to 129.65): V
 Ion 126.90 (126.60 to 127.60): V

