

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
 Data File : VV017316.D
 Acq On : 02 Jul 2020 19:25
 Operator : SY/MD
 Sample : L3154-01DL 5X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 03 06:17:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 03 06:15:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	166358	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	163756	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	79360	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43226	4.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.60%
7) Chloroethane-d5	1.58	69	34216	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.13	63	68281	3.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.80%
20) 2-Butanone-d5	3.92	46	95937	37.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.40%
24) Chloroform-d	4.38	84	93692	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	5.06	65	50793	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
32) Benzene-d6	5.08	84	171086	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.60%
36) 1,2-Dichloropropane-d6	6.10	67	49004	3.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.00%
41) Toluene-d8	7.34	98	157187	3.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.80%
45) trans-1,3-Dichloropropene-	7.64	79	19978	3.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.40%
48) 2-Hexanone-d5	8.11	63	64886	32.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	64.30%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	33318	3.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	62562	4.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.20%

Target Compounds

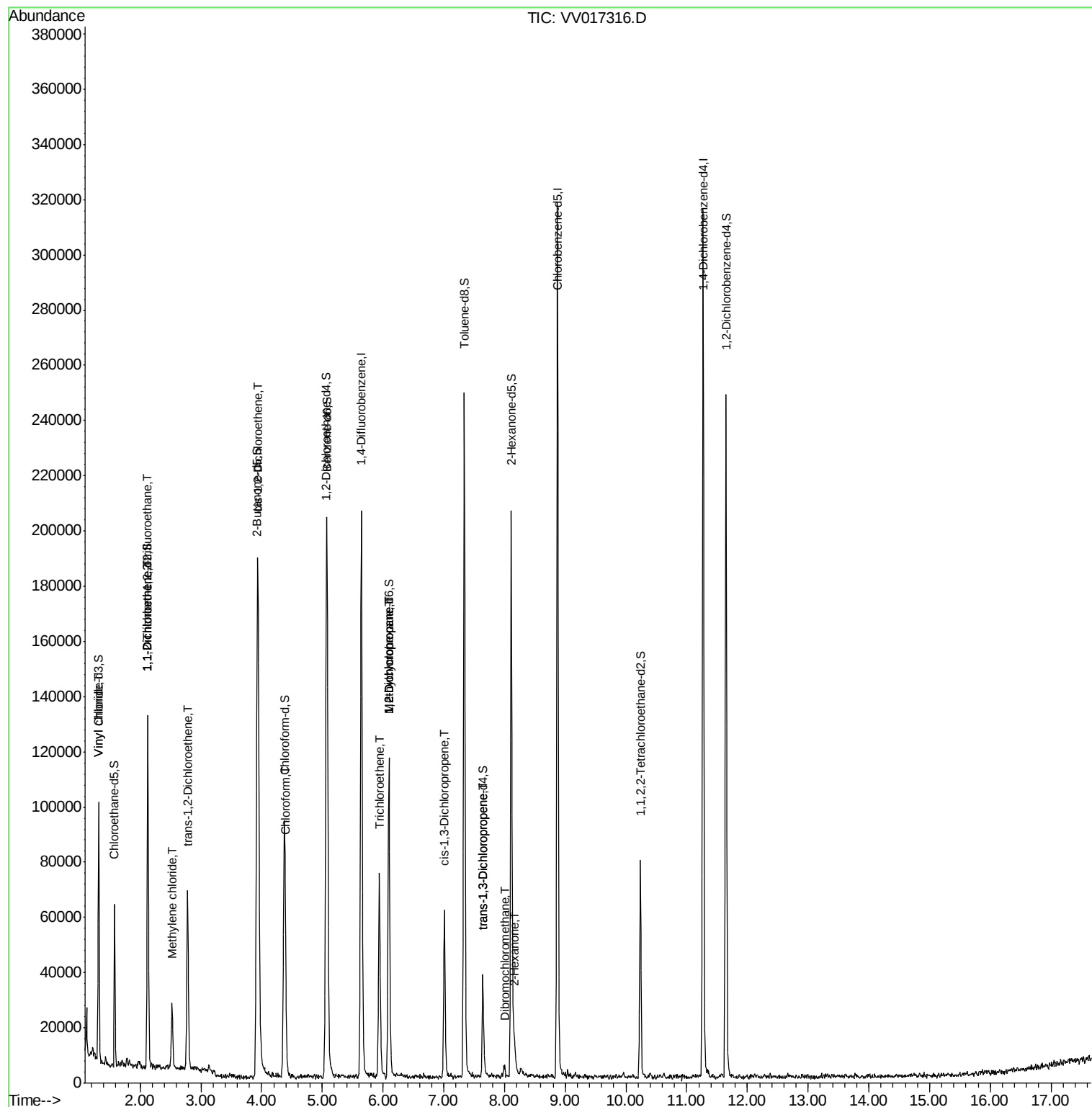
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	15140	1.387	ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	684	0.078	ug/L #	24
12) 1,1-Dichloroethene	2.13	96	1527	0.191	ug/L #	1
16) Methylene chloride	2.52	84	9738	1.139	ug/L	92
18) trans-1,2-Dichloroethene	2.78	96	23009	2.720	ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	80763	6.981	ug/L	97
25) Chloroform	4.40	83	2431	0.117	ug/L	80
34) Trichloroethene	5.94	95	22754	1.812	ug/L	93
35) Methylcyclohexane	6.09	83	13791	0.706	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	7033	0.663	ug/L #	85
39) cis-1,3-Dichloropropene	7.01	75	1763	0.112	ug/L #	59
46) trans-1,3-Dichloropropene	7.64	75	1069	0.078	ug/L	84
50) 2-Hexanone	8.16	43	5168	1.185	ug/L #	46
51) Dibromochloromethane	8.00	129	972	0.106	ug/L #	11

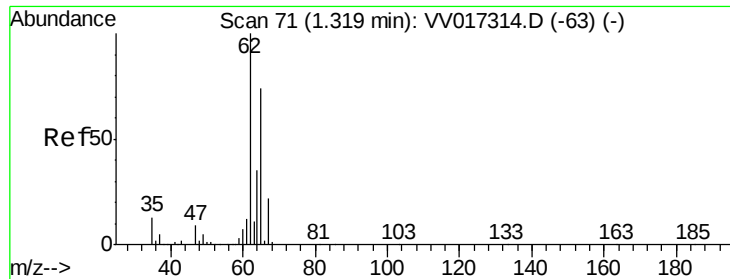
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 03 06:15:26 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.387 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017316.D

Acq: 02 Jul 2020 19:25

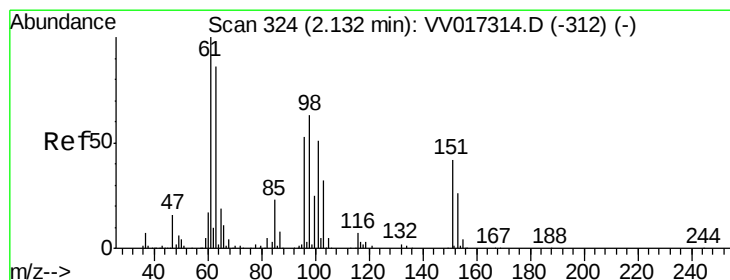
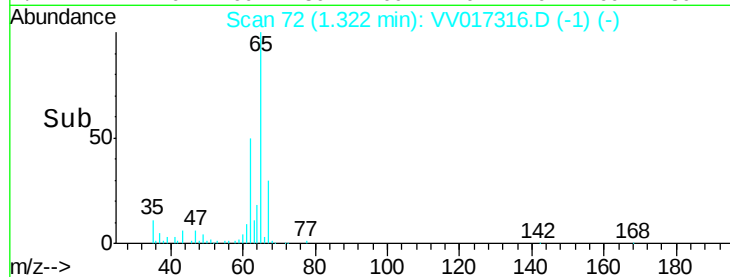
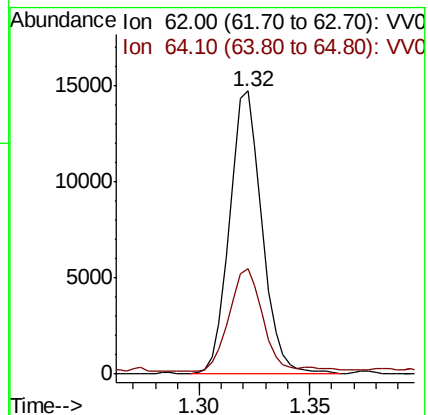
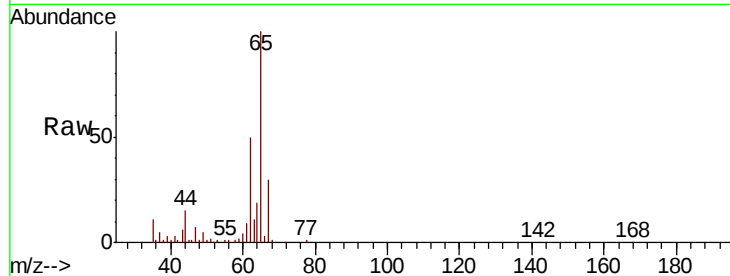
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 15140

Ion Ratio Lower Upper

62 100

64 37.2 22.5 41.7



#10

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

Concen: 0.078 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017316.D

Acq: 02 Jul 2020 19:25

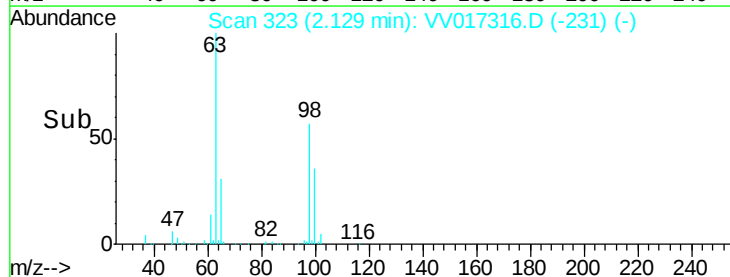
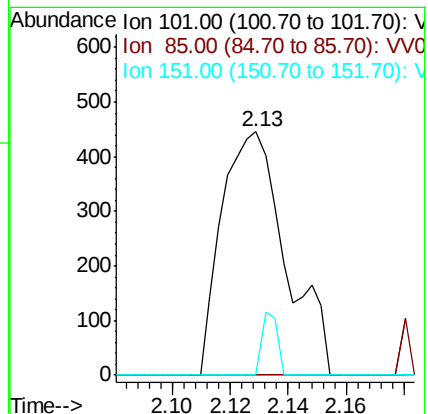
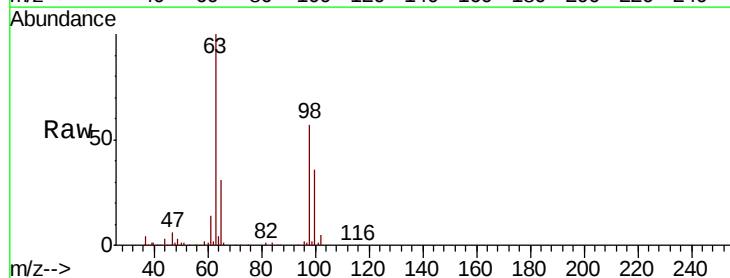
Tgt Ion: 101 Resp: 684

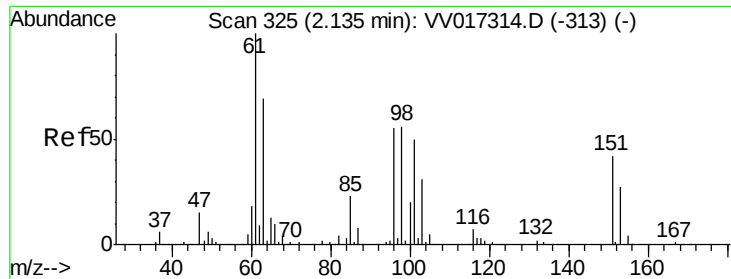
Ion Ratio Lower Upper

101 100

85 3.1 35.4 53.2#

151 6.1 63.9 95.9#

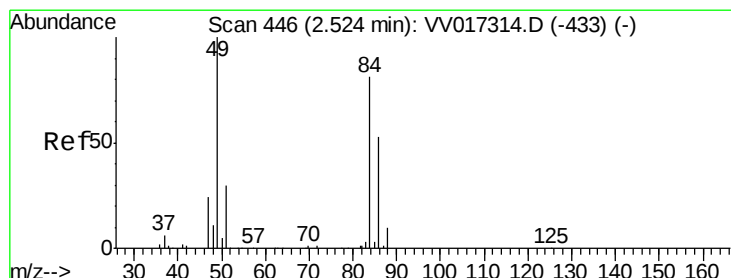
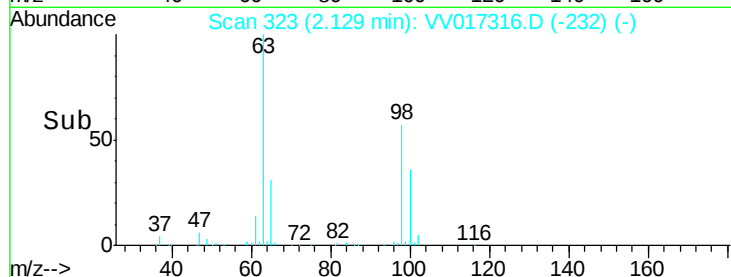
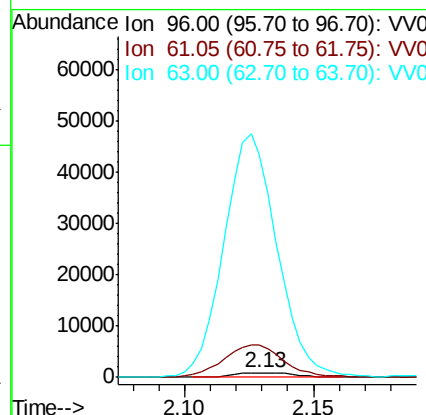
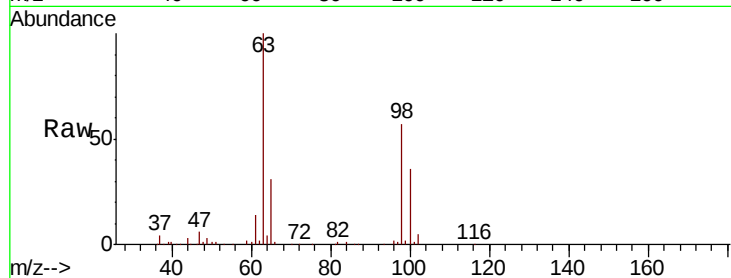




#12
 1,1-Dichloroethene
 Concen: 0.191 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. -0.01 min
 Lab File: VV017316.D
 Acq: 02 Jul 2020 19:25

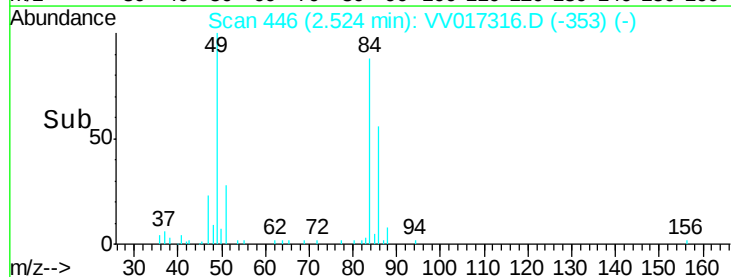
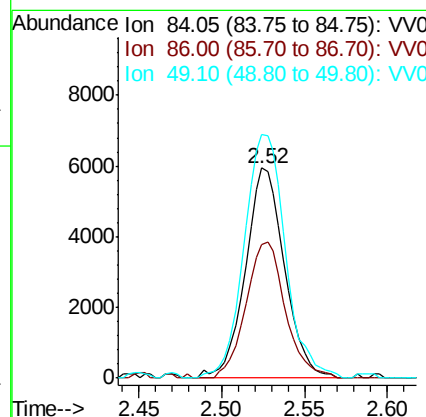
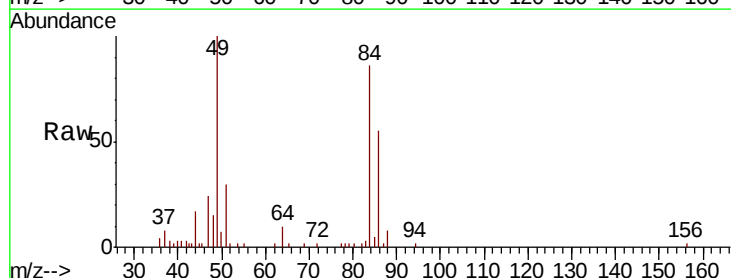
Instrument :
 MSVOA_V
 ClientSampled :

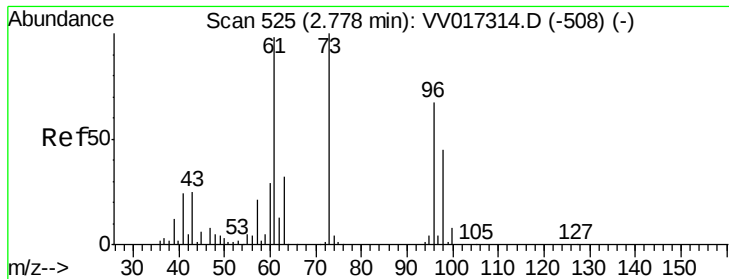
Tot Ion: 96 Resp: 1527
 Ion Ratio Lower Upper
 96 100
 61 708.3 125.0 232.2#
 63 4961.3 109.8 203.8#



#16
 Methylene chloride
 Concen: 1.139 ug/L
 RT: 2.52 min Scan# 446
 Delta R.T. -0.00 min
 Lab File: VV017316.D
 Acq: 02 Jul 2020 19:25

Tgt Ion: 84 Resp: 9738
 Ion Ratio Lower Upper
 84 100
 86 63.7 45.8 85.0
 49 116.1 89.6 166.4

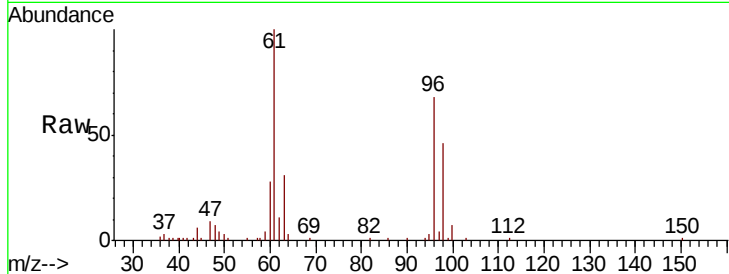




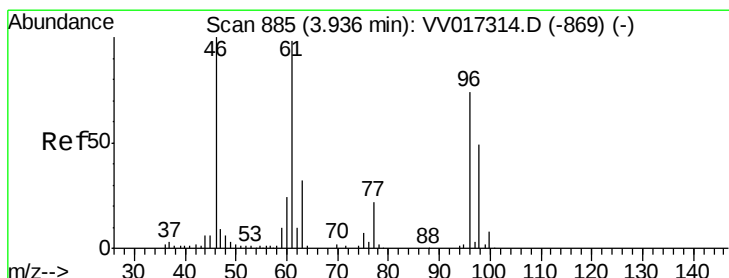
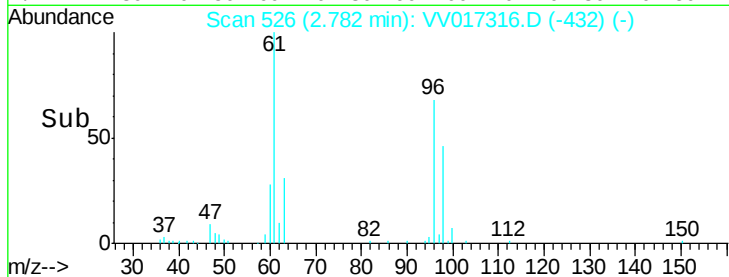
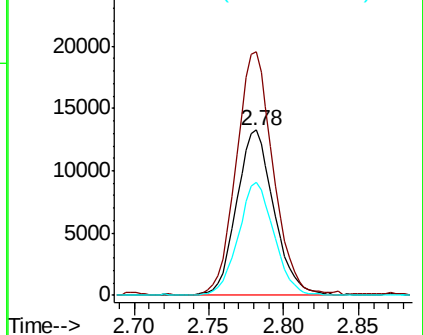
#18
 trans-1,2-Dichloroethene
 Concen: 2.720 ug/L
 RT: 2.78 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VV017316.D
 Acq: 02 Jul 2020 19:25

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 96 Resp: 23009
 Ion Ratio Lower Upper
 96 100
 61 147.3 102.3 189.9
 98 68.2 44.7 82.9

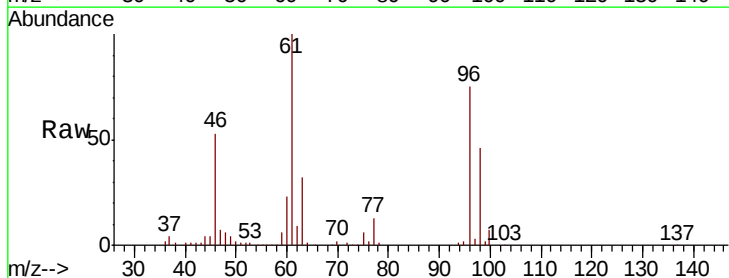


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0

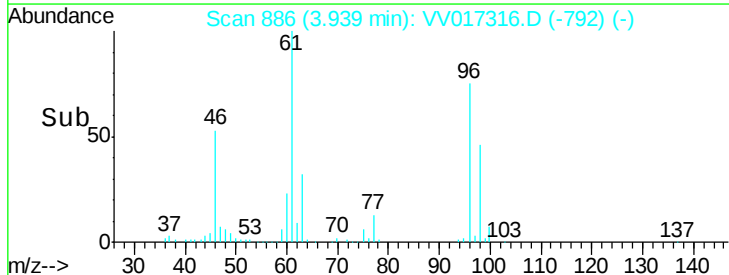
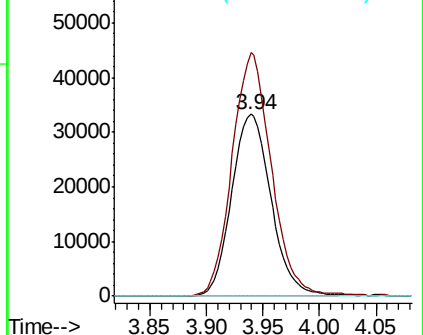


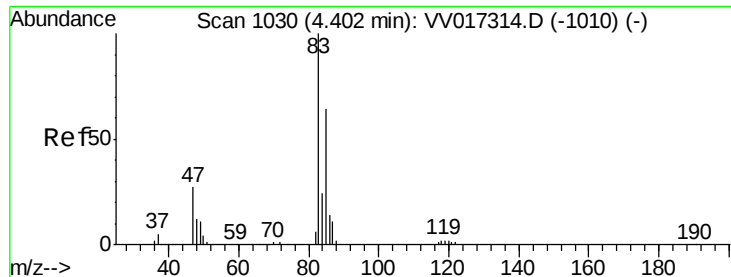
#22
 cis-1,2-Dichloroethene
 Concen: 6.981 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017316.D
 Acq: 02 Jul 2020 19:25

Tgt Ion: 96 Resp: 80763
 Ion Ratio Lower Upper
 96 100
 61 133.9 91.0 169.0
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0





#25

Chloroform

Concen: 0.117 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV017316.D

Acq: 02 Jul 2020 19:25

Instrument :

MSVOA_V

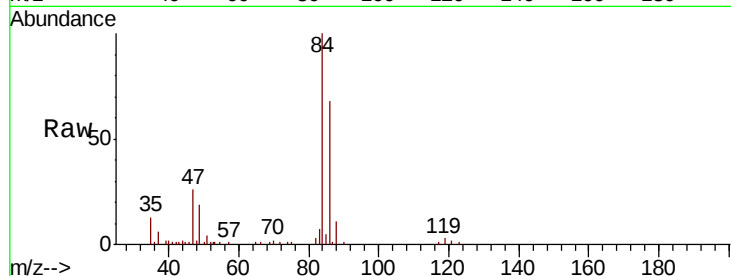
ClientSampleId :

Tot Ion: 83 Resp: 2431

Ion Ratio Lower Upper

83 100

85 78.5 44.2 82.2

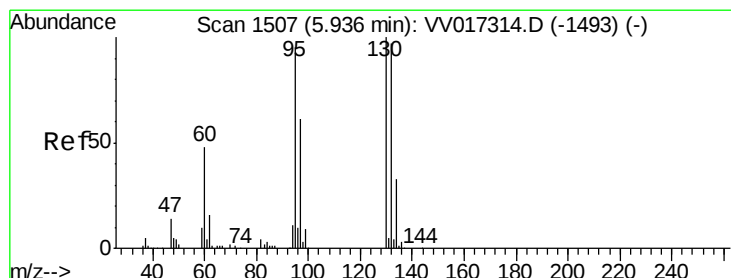
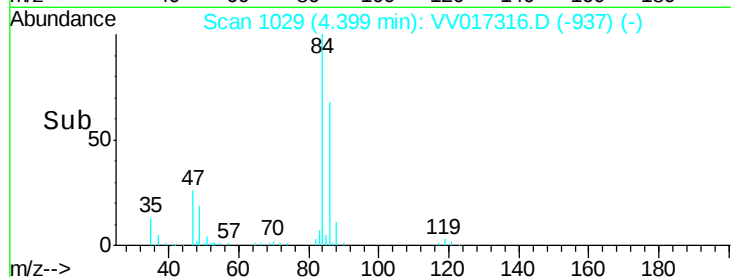


Abundance Ion 83.05 (82.75 to 83.75): VV017314.D (-1010) (-)

Ion 85.00 (84.70 to 85.70): VV017314.D (-1010) (-)

Time-->

4.35 4.40 4.45



#34

Trichloroethene

Concen: 1.812 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017316.D

Acq: 02 Jul 2020 19:25

Tgt Ion: 95 Resp: 22754

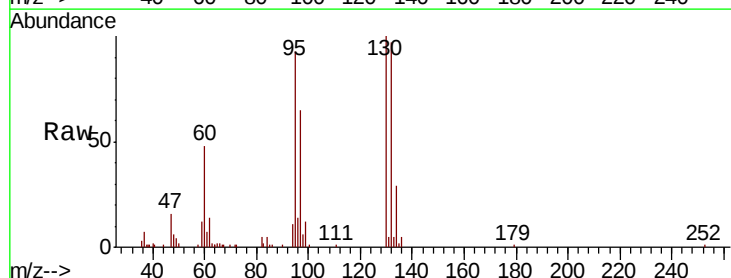
Ion Ratio Lower Upper

95 100

97 69.9 45.3 84.1

132 105.0 68.8 127.8

130 107.9 70.2 130.4



Abundance Ion 95.00 (94.70 to 95.70): VV017314.D (-1493) (-)

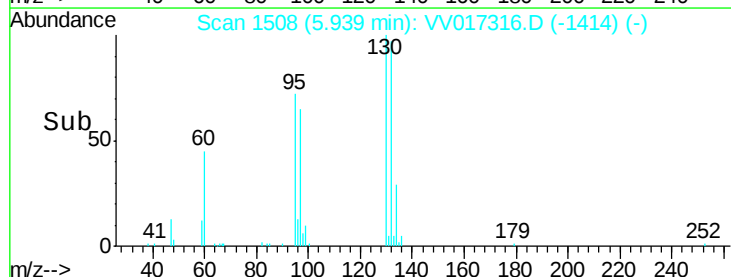
Ion 96.95 (96.65 to 97.65): VV017314.D (-1493) (-)

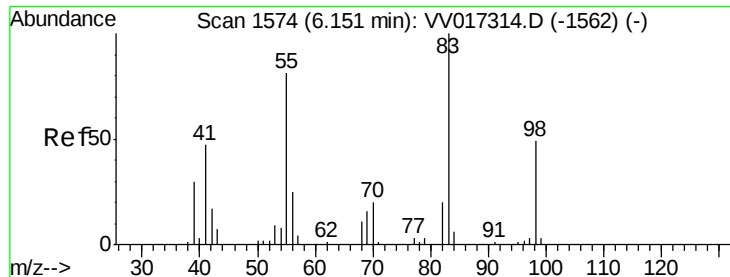
Ion 131.95 (131.65 to 132.65): VV017314.D (-1493) (-)

Ion 129.95 (129.65 to 130.65): VV017314.D (-1493) (-)

Time-->

5.85 5.90 5.95 6.00

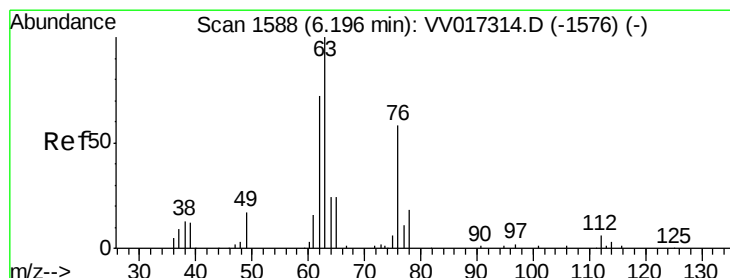
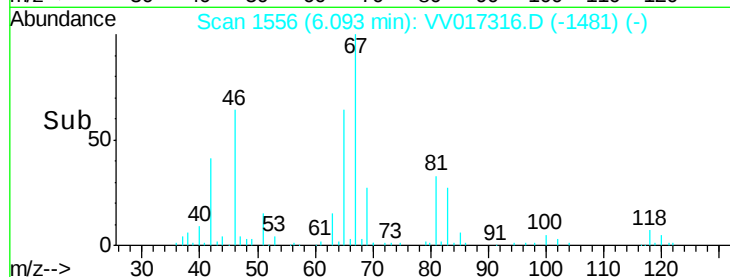
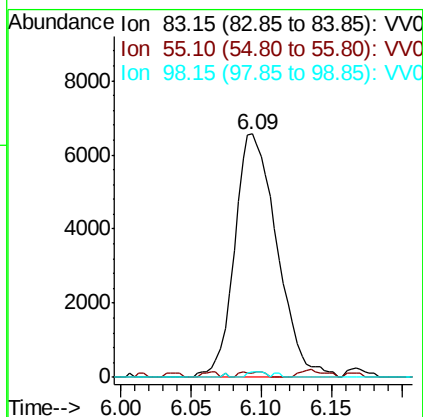
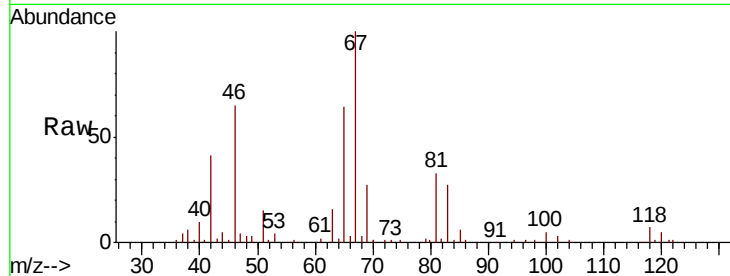




#35
Methvlcvclohexane
Concen: 0.706 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017316.D
Acq: 02 Jul 2020 19:25

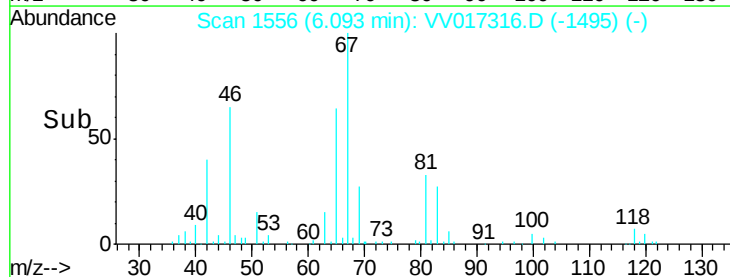
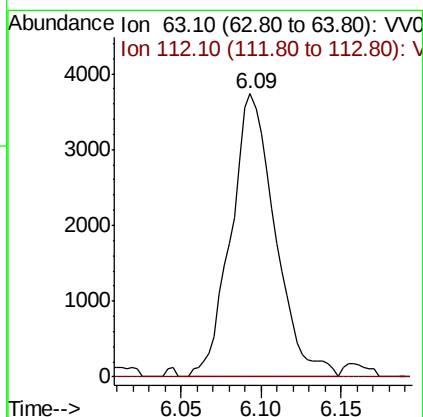
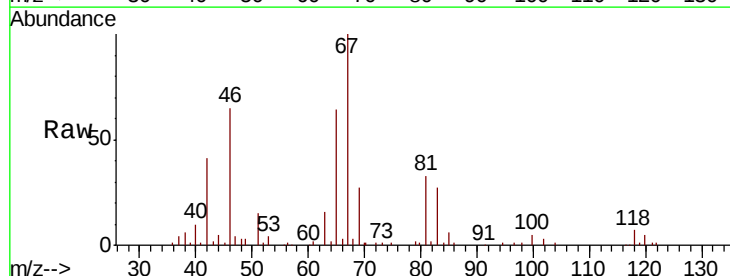
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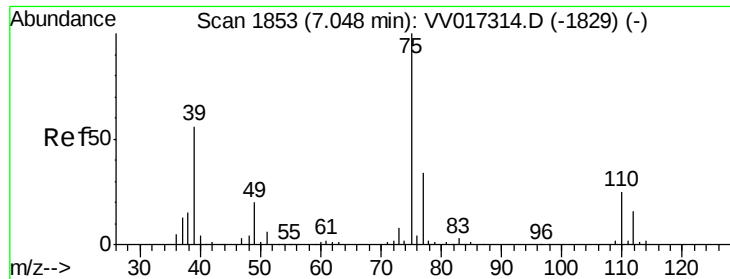
Tot Ion: 83 Resp: 13791
Ion Ratio Lower Upper
83 100
55 0.6 63.6 95.4#
98 0.9 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 0.663 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV017316.D
Acq: 02 Jul 2020 19:25

Tgt Ion: 63 Resp: 7033
Ion Ratio Lower Upper
63 100
112 0.6 4.4 6.6#



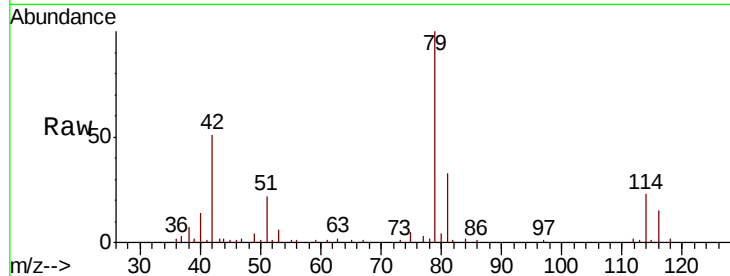


#39

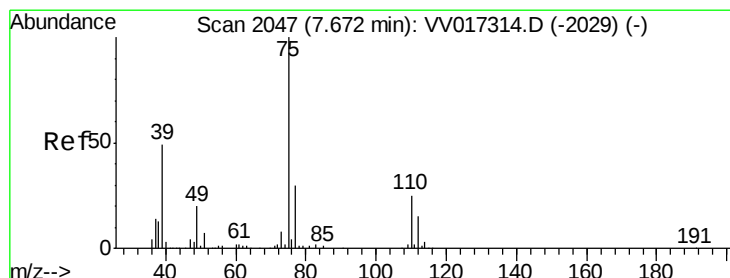
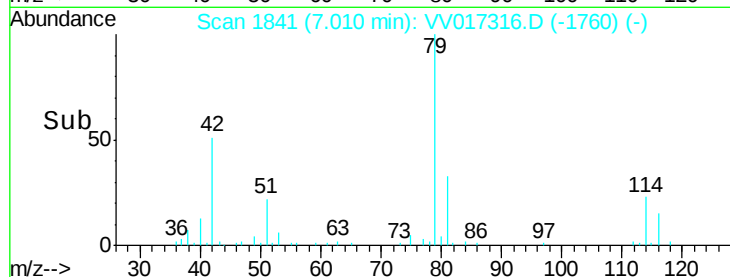
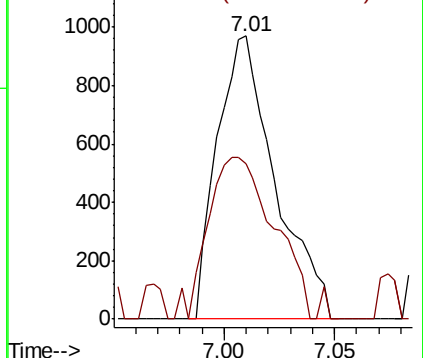
cis-1,3-Dichloropropene
Concen: 0.112 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV017316.D
Acq: 02 Jul 2020 19:25

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 1763
Ion Ratio Lower Upper
75 100
77 54.8 22.3 41.5#



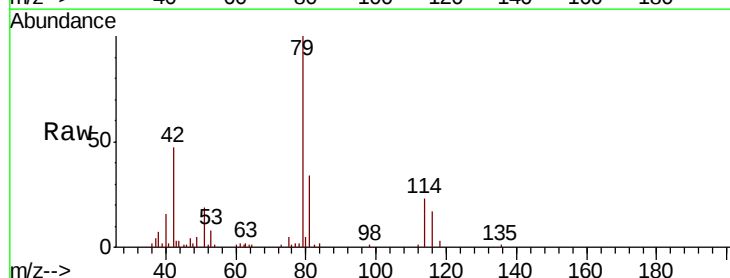
Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0



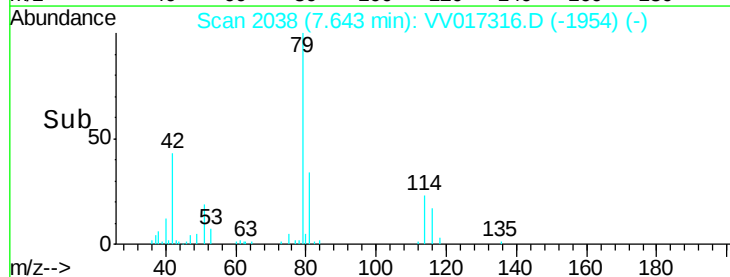
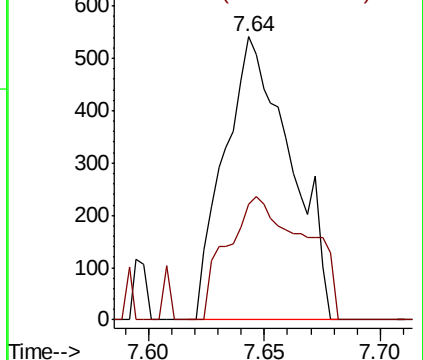
#46

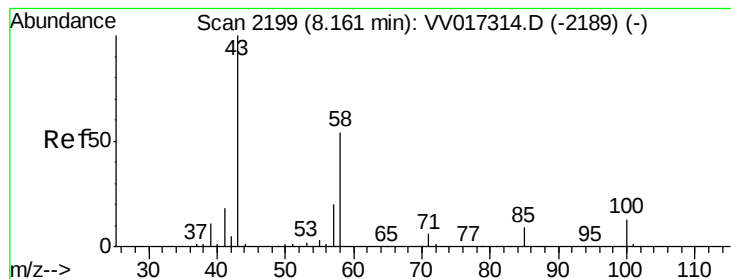
trans-1,3-Dichloropropene
Concen: 0.078 ug/L
RT: 7.64 min Scan# 2038
Delta R.T. -0.03 min
Lab File: VV017316.D
Acq: 02 Jul 2020 19:25

Tgt Ion: 75 Resp: 1069
Ion Ratio Lower Upper
75 100
77 40.9 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0





#50

2-Hexanone

Concen: 1.185 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VV017316.D

Acq: 02 Jul 2020 19:25

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 5168

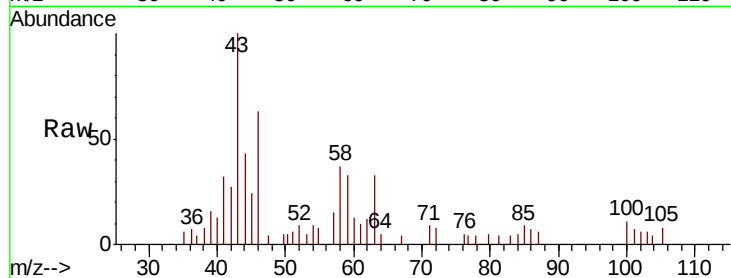
Ion Ratio Lower Upper

43 100

58 0.0 41.6 62.4#

57 7.7 15.4 23.0#

100 6.6 10.1 15.1#

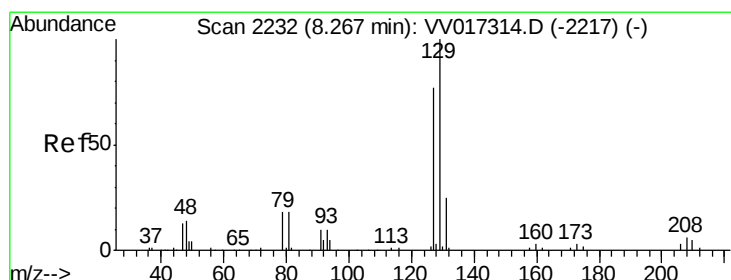
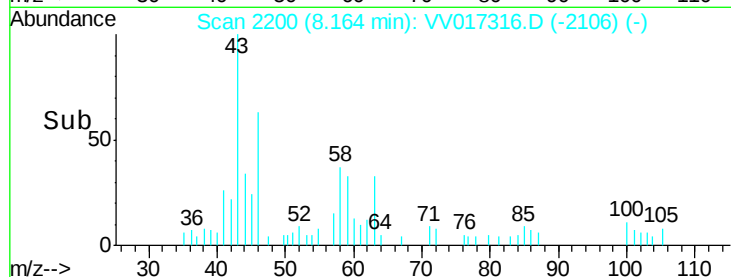
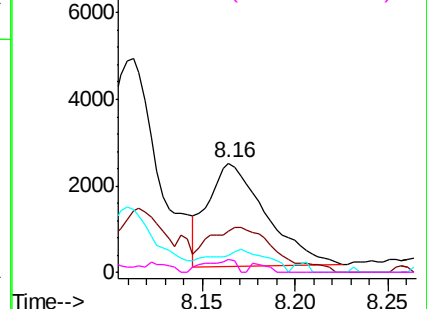


Abundance Ion 43.05 (42.75 to 43.75): VV017316.D (-2199) (-)

Ion 58.05 (57.75 to 58.75): VV017316.D (-2199) (-)

Ion 57.20 (56.90 to 57.90): VV017316.D (-2199) (-)

Ion 100.15 (99.85 to 100.85): VV017316.D (-2199) (-)



#51

Dibromochloromethane

Concen: 0.106 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. -0.26 min

Lab File: VV017316.D

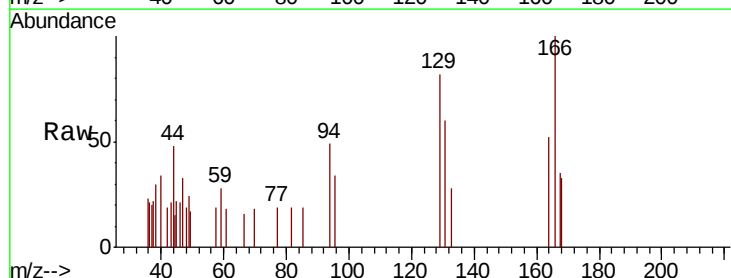
Acq: 02 Jul 2020 19:25

Tgt Ion: 129 Resp: 972

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



Abundance Ion 128.95 (128.65 to 129.65): VV017316.D (-2139) (-)

Ion 126.90 (126.60 to 127.60): VV017316.D (-2139) (-)

