

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070120\
 Data File : VV017288.D
 Acq On : 01 Jul 2020 14:22
 Operator : SY/MD
 Sample : L3150-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETYJ3

Quant Time: Jul 02 03:06:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 02 03:02:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	173932	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	171020	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	79454	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41226	3.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.00%
7) Chloroethane-d5	1.58	69	36621	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.12	63	65893	3.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.40%
20) 2-Butanone-d5	3.95	46	40228	15.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	30.24%#
24) Chloroform-d	4.38	84	108506	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.06	65	60550	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.07	84	195886	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
36) 1,2-Dichloropropane-d6	6.10	67	60834	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.34	98	172081	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
45) trans-1,3-Dichloropropene-	7.65	79	21721	3.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.60%
48) 2-Hexanone-d5	8.12	63	85516	40.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.14%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	43458	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	73291	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

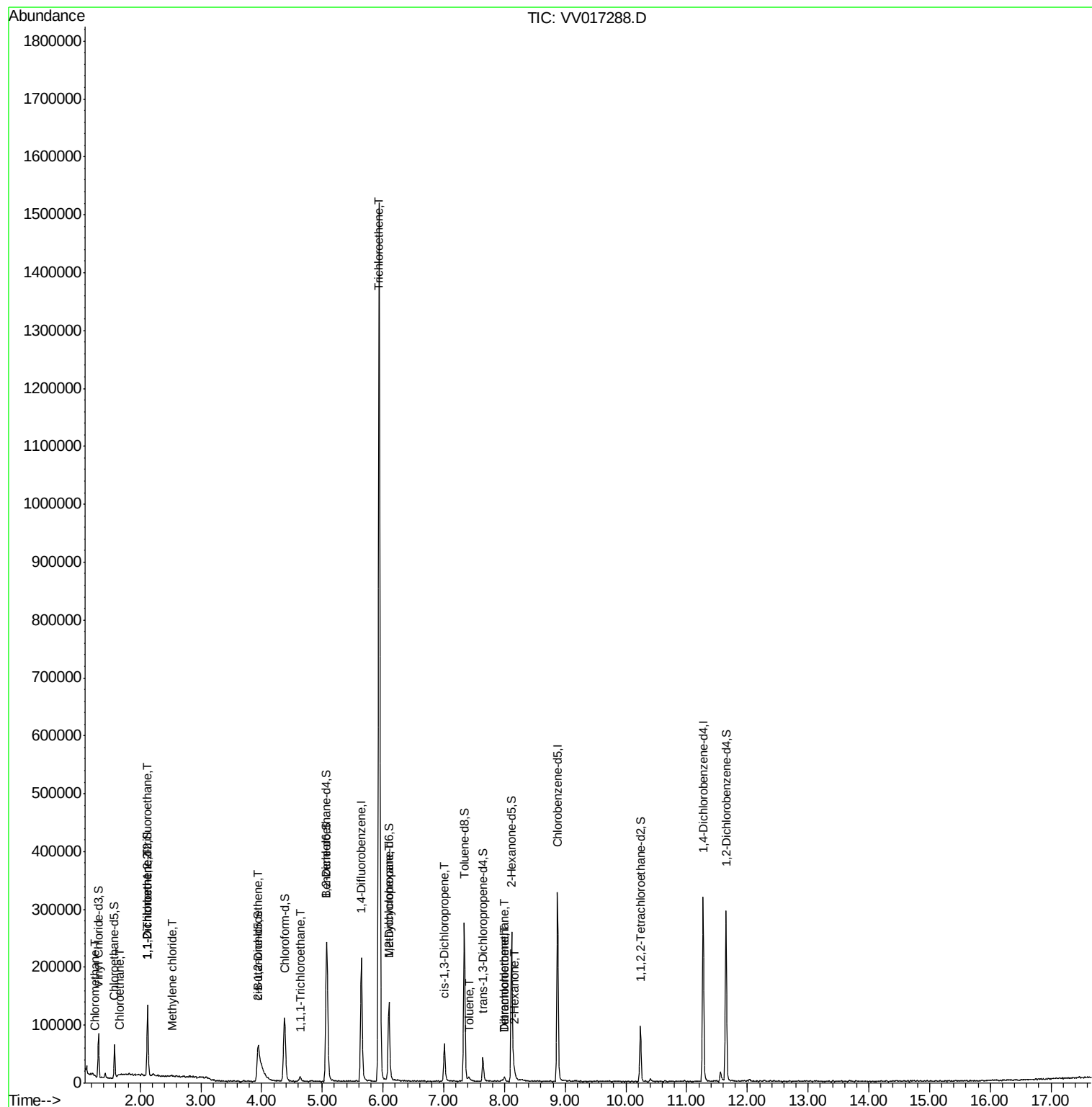
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	1567	0.133	ug/L	91
8) Chloroethane	1.67	64	16426	2.604	ug/L #	50
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	735	0.080	ug/L #	21
12) 1,1-Dichloroethene	2.13	96	946	0.113	ug/L #	1
16) Methylene chloride	2.52	84	1074	0.120	ug/L	86
22) cis-1,2-Dichloroethene	3.94	96	17689	1.462	ug/L	96
29) 1,1,1-Trichloroethane	4.63	97	5175	0.253	ug/L	96
34) Trichloroethene	5.94	95	504032	38.434	ug/L	98
35) Methylcyclohexane	6.10	83	16231	0.796	ug/L #	18
39) cis-1,3-Dichloropropene	7.01	75	2019	0.123	ug/L	86
42) Toluene	7.41	91	3778	0.073	ug/L	81
49) Tetrachloroethene	8.00	164	1760	0.167	ug/L	92
50) 2-Hexanone	8.17	43	5592	1.228	ug/L #	96
51) Dibromochloromethane	8.00	129	1595	0.167	ug/L #	11

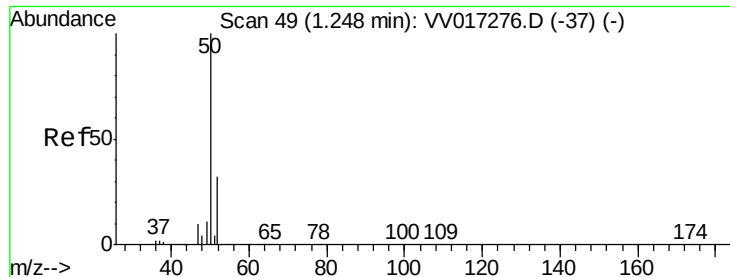
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 02 03:02:49 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.133 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017288.D

Acq: 01 Jul 2020 14:22

Instrument :

MSVOA_V

ClientSampled :

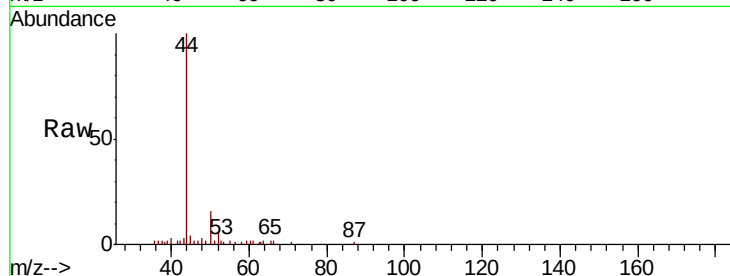
ETYJ3

Tot Ion: 50 Resp: 1567

Ion Ratio Lower Upper

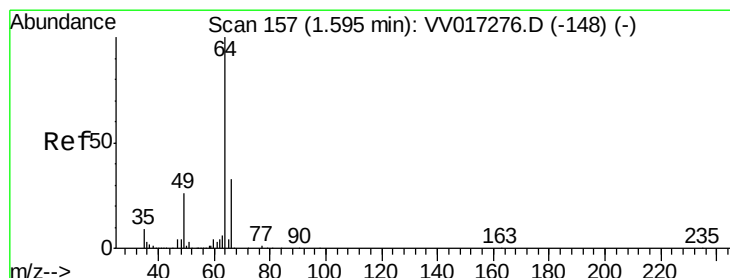
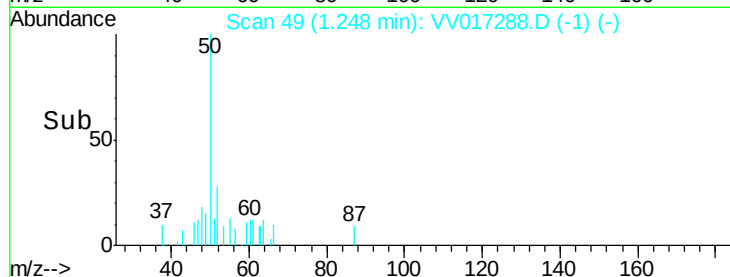
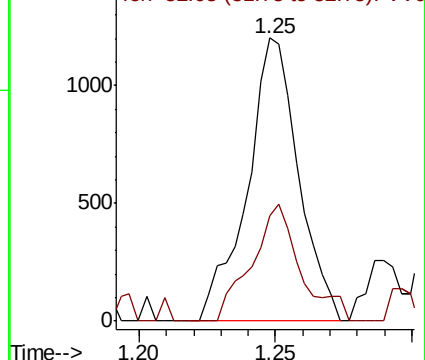
50 100

52 37.1 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#8

Chloroethane

Concen: 2.604 ug/L

RT: 1.67 min Scan# 180

Delta R.T. 0.07 min

Lab File: VV017288.D

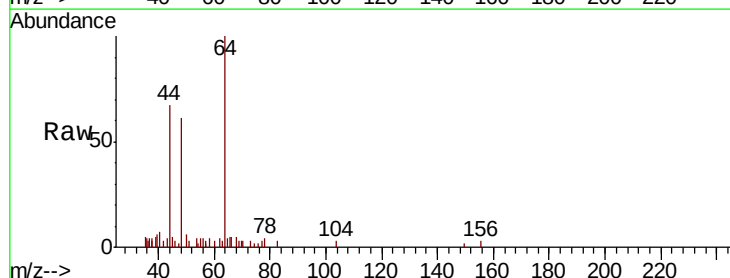
Acq: 01 Jul 2020 14:22

Tgt Ion: 64 Resp: 16426

Ion Ratio Lower Upper

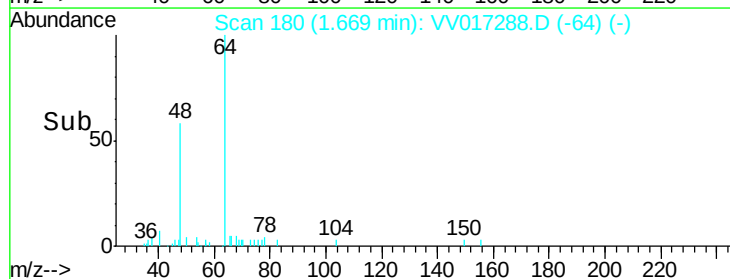
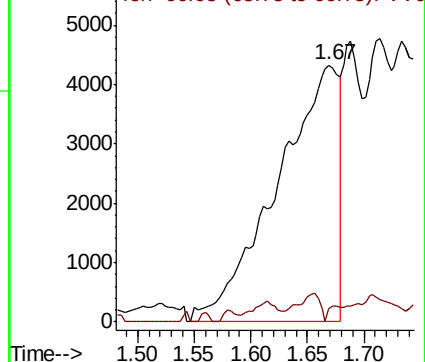
64 100

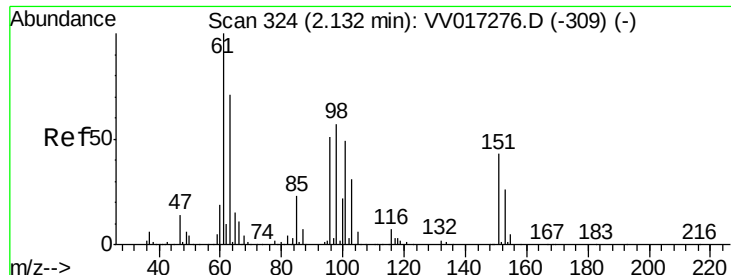
66 4.8 22.8 42.4#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#10

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

Concen: 0.080 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017288.D

Acq: 01 Jul 2020 14:22

Instrument :

MSVOA_V

ClientSampleId :

ETYJ3

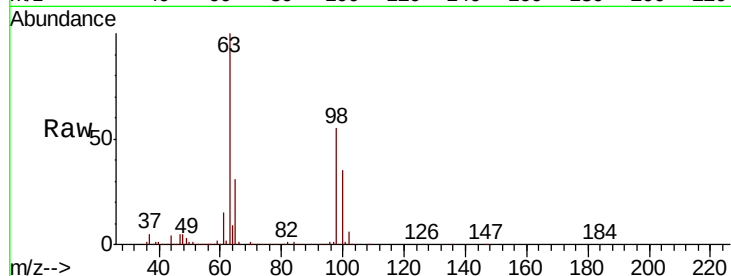
Tot Ion:101 Resp: 735

Ion Ratio Lower Upper

101 100

85 6.4 35.4 53.2#

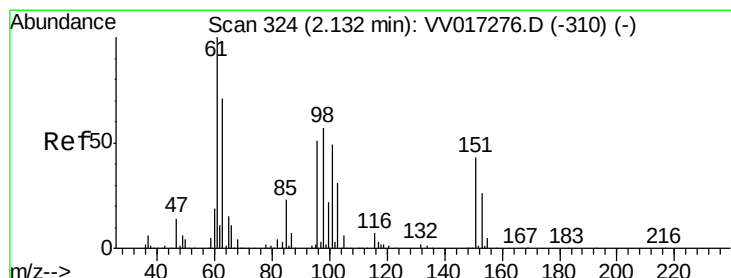
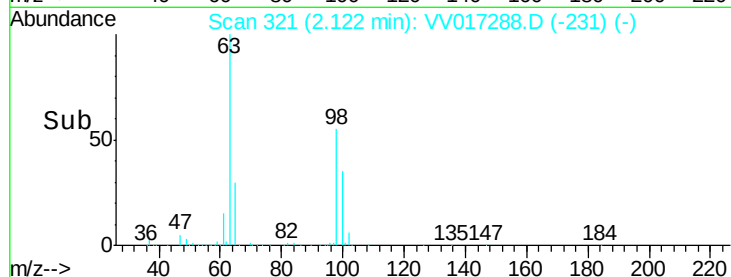
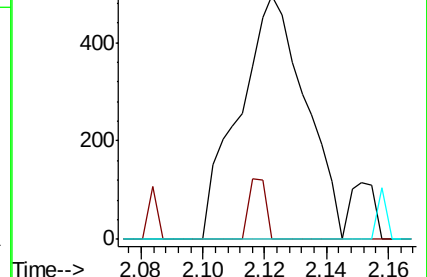
151 0.0 63.9 95.9#



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: 0.113 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017288.D

Acq: 01 Jul 2020 14:22

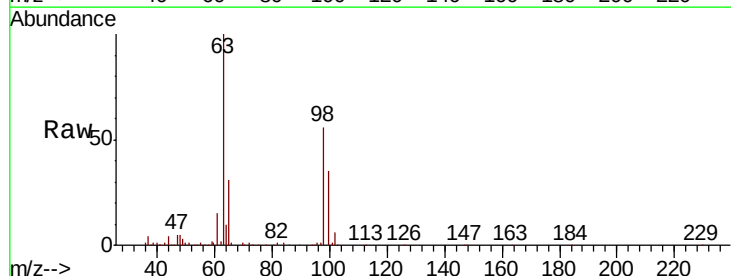
Tgt Ion: 96 Resp: 946

Ion Ratio Lower Upper

96 100

61 1330.8 125.0 232.2#

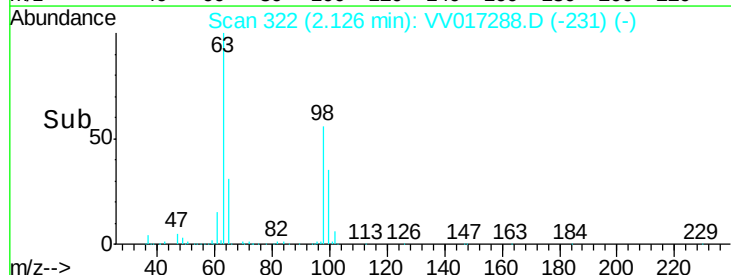
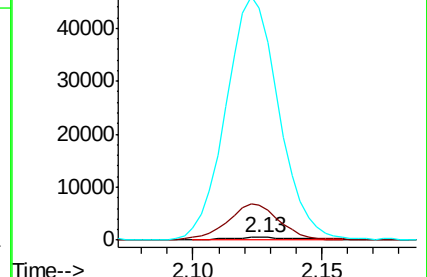
63 8803.2 109.8 203.8#

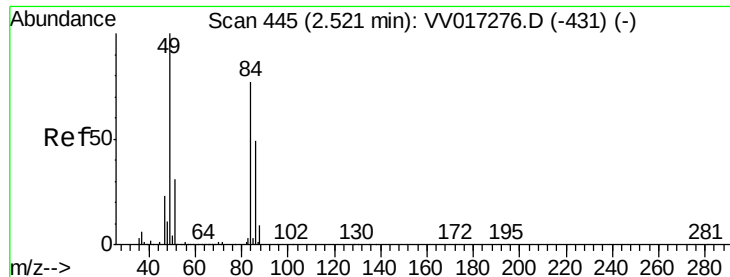


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

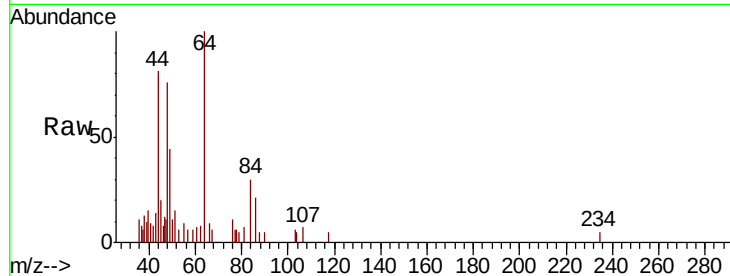




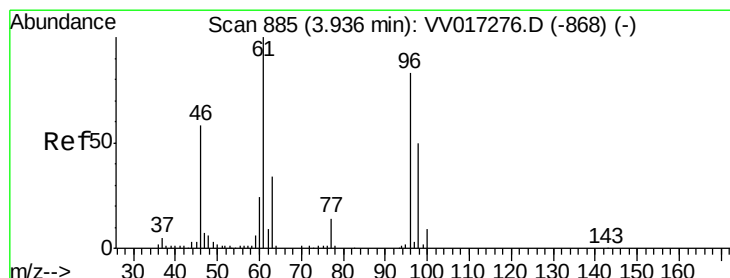
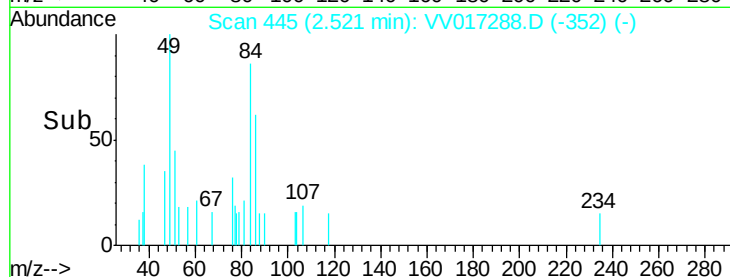
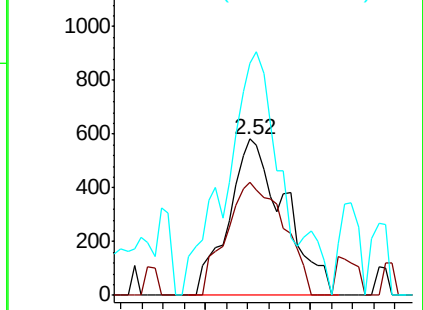
#16
Methylene chloride
Concen: 0.120 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017288.D
Acq: 01 Jul 2020 14:22

Instrument :
MSVOA_V
ClientSampled :
ETYJ3

Tot Ion: 84 Resp: 1074
Ion Ratio Lower Upper
84 100
86 72.2 45.8 85.0
49 148.1 89.6 166.4

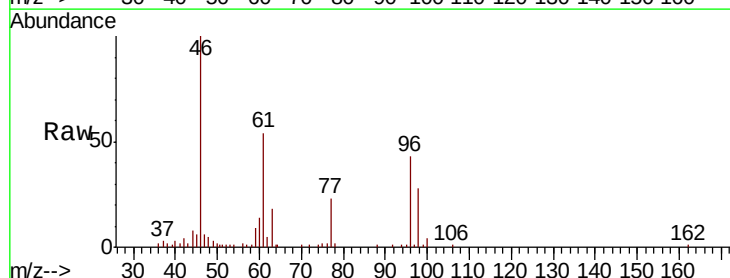


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

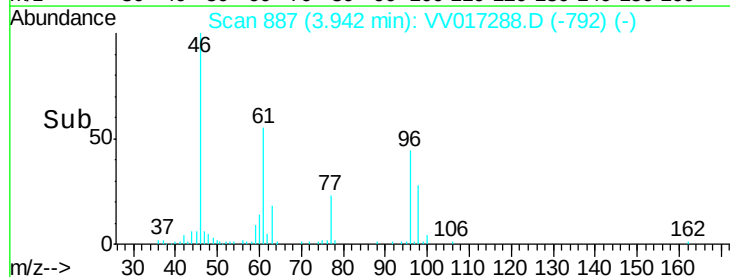
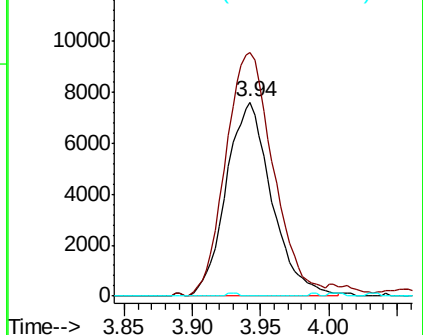


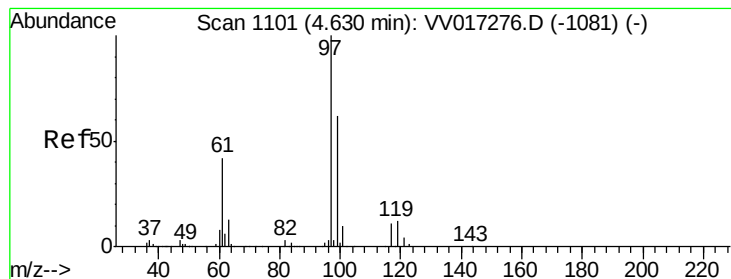
#22
cis-1,2-Dichloroethene
Concen: 1.462 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.01 min
Lab File: VV017288.D
Acq: 01 Jul 2020 14:22

Tgt Ion: 96 Resp: 17689
Ion Ratio Lower Upper
96 100
61 125.4 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





#29

1,1,1-Trichloroethane

Concen: 0.253 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017288.D

Acq: 01 Jul 2020 14:22

Instrument :

MSVOA_V

ClientSampled :

ETYJ3

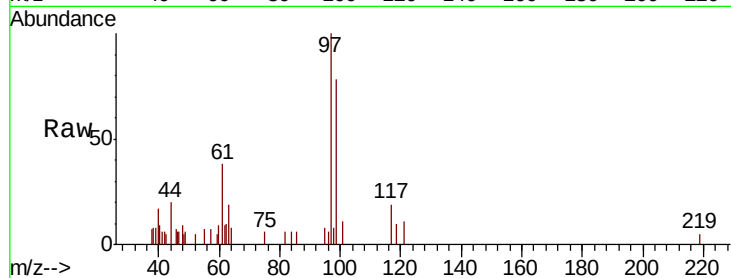
Tot Ion: 97 Resp: 5175

Ion Ratio Lower Upper

97 100

99 65.3 50.3 75.5

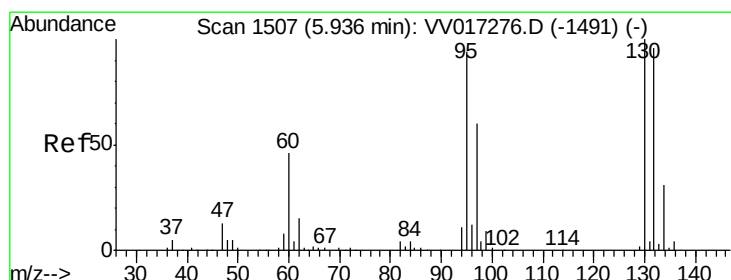
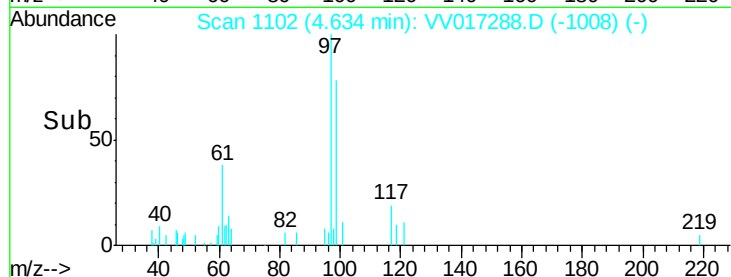
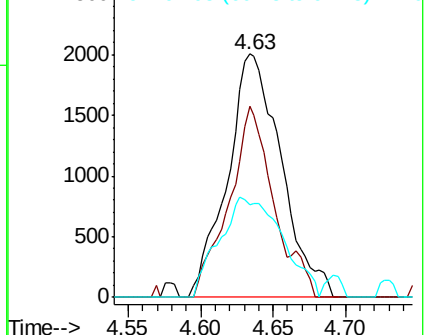
61 48.1 36.0 54.0



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#34

Trichloroethene

Concen: 38.434 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV017288.D

Acq: 01 Jul 2020 14:22

Tgt Ion: 95 Resp: 504032

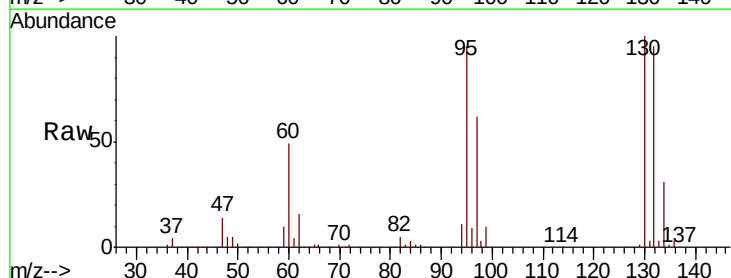
Ion Ratio Lower Upper

95 100

97 64.6 45.3 84.1

132 99.8 68.8 127.8

130 104.7 70.2 130.4

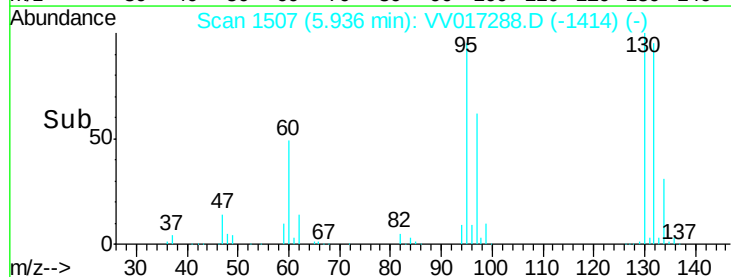
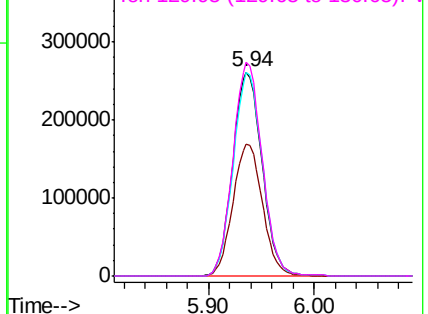


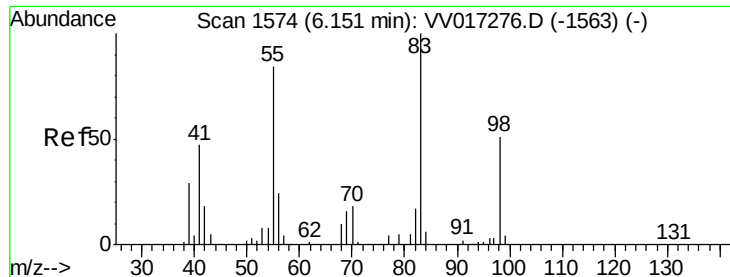
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

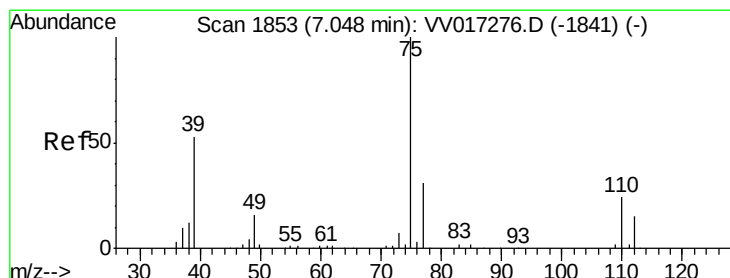
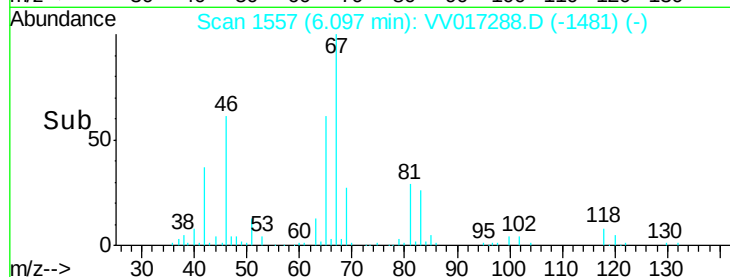
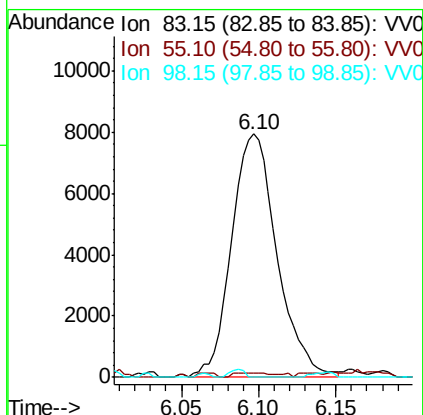
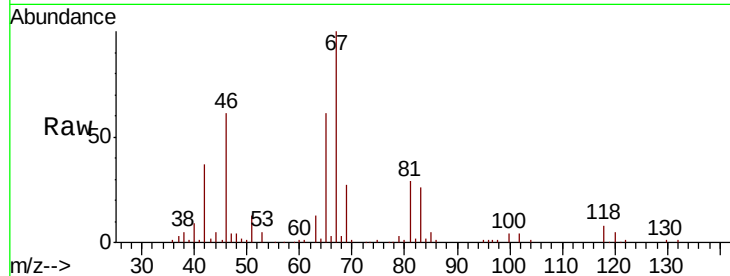




#35
Methylvlcyclohexane
Concen: 0.796 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV017288.D
Acq: 01 Jul 2020 14:22

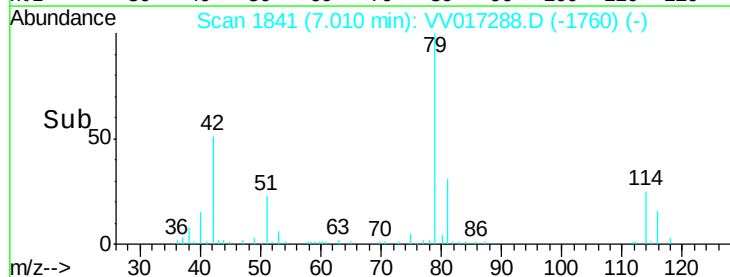
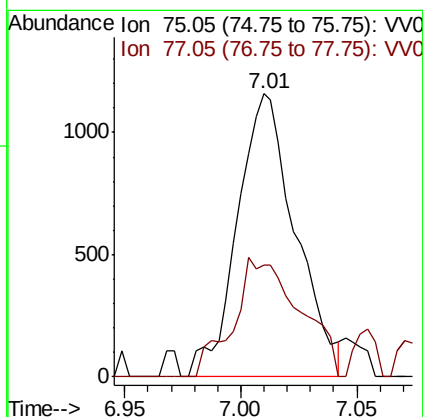
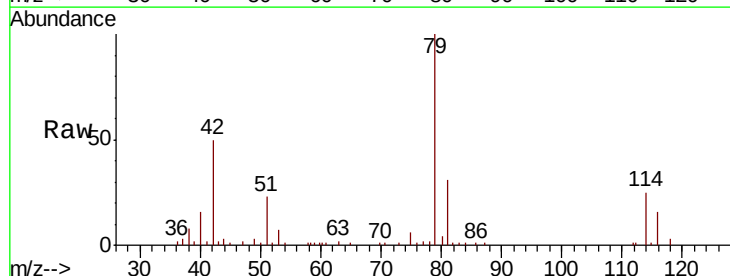
Instrument :
MSVOA_V
ClientSampled :
ETYJ3

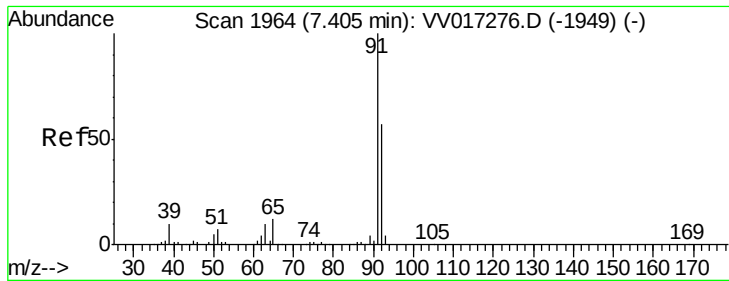
Tot Ion: 83 Resp: 16231
Ion Ratio Lower Upper
83 100
55 1.5 63.6 95.4#
98 0.0 38.8 58.2#



#39
cis-1,3-Dichloropropene
Concen: 0.123 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV017288.D
Acq: 01 Jul 2020 14:22

Tgt Ion: 75 Resp: 2019
Ion Ratio Lower Upper
75 100
77 39.7 22.3 41.5





#42

Toluene

Concen: 0.073 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.01 min

Lab File: VV017288.D

Acq: 01 Jul 2020 14:22

Instrument :

MSVOA_V

ClientSampleId :

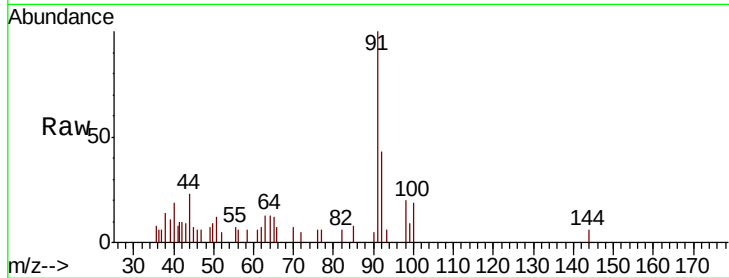
ETYJ3

Tot Ion: 91 Resp: 3778

Ion Ratio Lower Upper

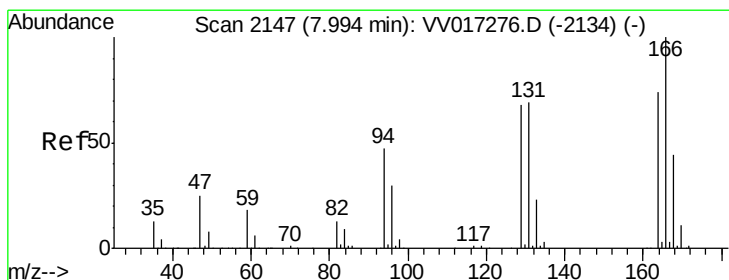
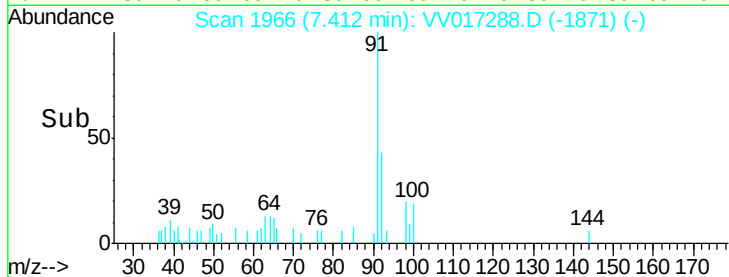
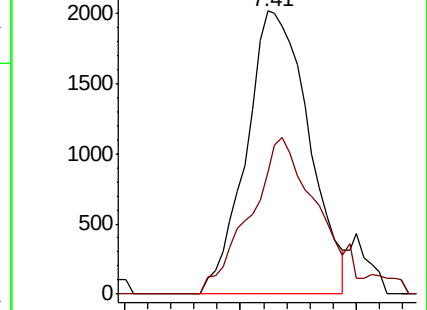
91 100

92 43.1 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV017276.D (-1949) (-)

Ion 92.15 (91.85 to 92.85): VV017276.D (-1949) (-)



#49

Tetrachloroethene

Concen: 0.167 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017288.D

Acq: 01 Jul 2020 14:22

Tgt Ion: 164 Resp: 1760

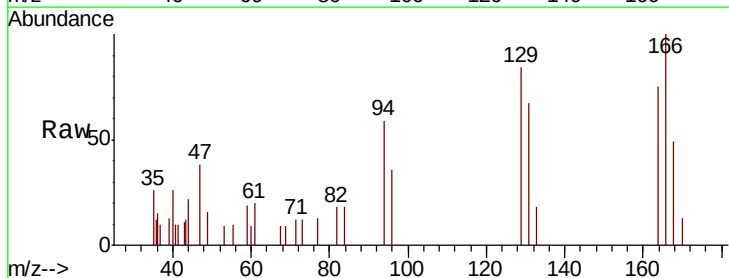
Ion Ratio Lower Upper

164 100

129 113.0 65.2 121.0

131 90.4 64.1 119.1

166 134.1 90.2 167.4

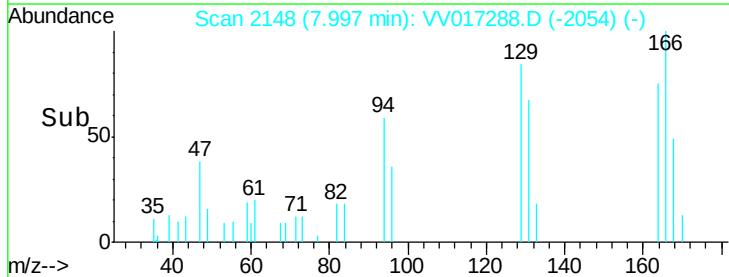
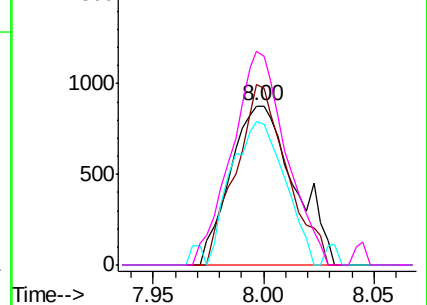


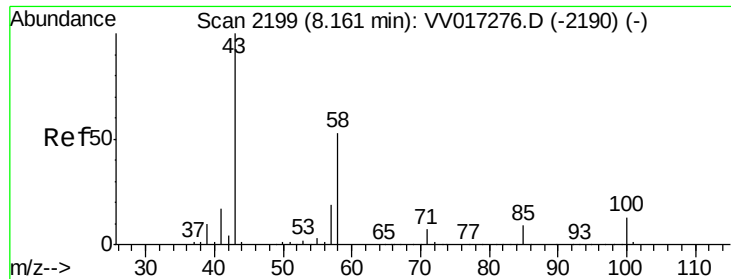
Abundance Ion 163.90 (163.60 to 164.60): VV017276.D (-2134) (-)

Ion 128.95 (128.65 to 129.65): VV017276.D (-2134) (-)

Ion 130.95 (130.65 to 131.65): VV017276.D (-2134) (-)

Ion 165.90 (165.60 to 166.60): VV017276.D (-2134) (-)

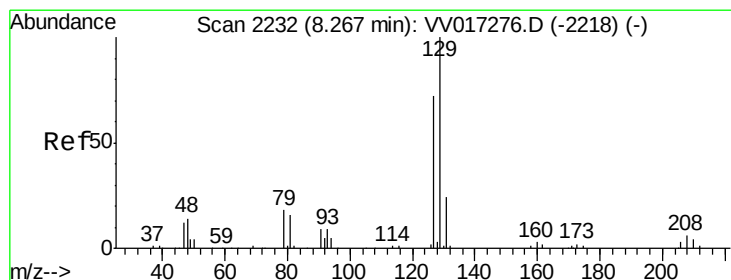
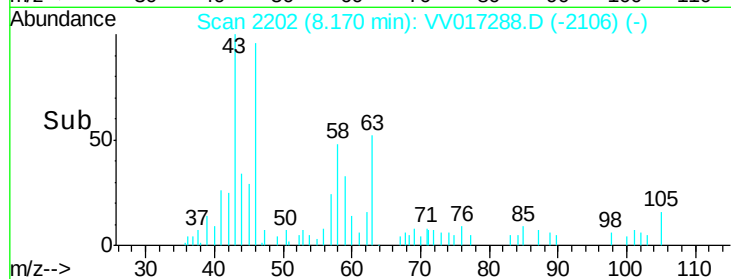
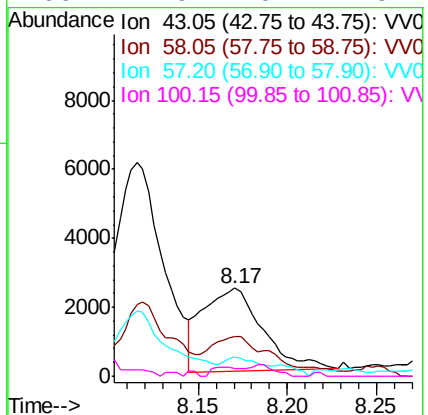
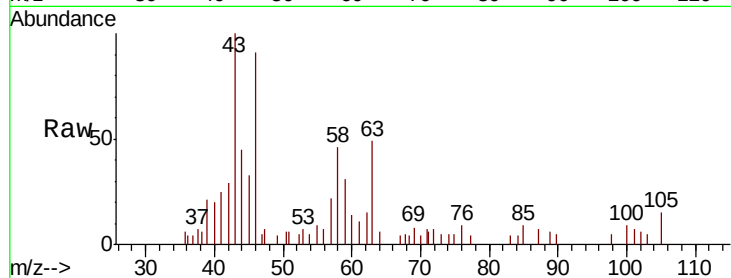




#50
2-Hexanone
Concen: 1.228 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV017288.D
Acq: 01 Jul 2020 14:22

Instrument :
MSVOA_V
ClientSampleId :
ETYJ3

Tot Ion: 43 Resp: 5592
Ion Ratio Lower Upper
43 100
58 52.8 41.6 62.4
57 18.8 15.4 23.0
100 4.9 10.1 15.1#



#51
Dibromochloromethane
Concen: 0.167 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV017288.D
Acq: 01 Jul 2020 14:22

Tgt Ion: 129 Resp: 1595
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#

