

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017958.D
 Acq On : 13 Aug 2020 04:27
 Operator : SY/MD
 Sample : L3644-17
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L99

Quant Time: Aug 13 06:03:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 13 05:58:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	248136	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	233857	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	102450	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	79205	41.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.68%
7) Chloroethane-d5	1.58	69	71248	46.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.12	63	116450	32.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.32%
21) 2-Butanone-d5	3.91	46	155036	125.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	125.03%
24) Chloroform-d	4.38	84	160587	46.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.06	65	111494	49.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.62%
32) Benzene-d6	5.08	84	317067	49.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.09	67	108889	51.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.36%
41) Toluene-d8	7.34	98	276541	47.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.42%
43) trans-1,3-Dichloropropene-	7.64	79	21695	22.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	45.40%#
47) 2-Hexanone-d5	8.11	63	93813	138.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	138.74%#
57) 1,1,2,2-Tetrachloroethane-	10.24	84	144841	52.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.58%
64) 1,2-Dichlorobenzene-d4	11.65	152	96643	47.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.86%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	2408	1.092	ug/L #	1
8) Chloroethane	1.39	64	59713	42.432	ug/L #	53
13) Acetone	2.19	43	1362028	1063.439	ug/L	99
14) Carbon disulfide	2.31	76	11074	2.417	ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	7305	3.885	ug/L	92
22) 2-Butanone	4.00	43	139580	97.145	ug/L	96
33) Benzene	5.13	78	11642	1.609	ug/L	100
34) Trichloroethene	5.95	95	3801	1.987	ug/L	94
35) Methylcyclohexane	6.09	83	25118	8.833	ug/L #	20
37) 1,2-Dichloropropane	6.09	63	11925	6.044	ug/L #	87
40) 4-Methyl-2-pentanone	7.25	43	152246	59.025	ug/L	99
42) Toluene	7.41	91	13361	1.770	ug/L	99
46) Tetrachloroethene	8.00	164	2355	1.679	ug/L	94
48) 2-Hexanone	8.16	43	6113	2.939	ug/L #	85
49) Dibromochloromethane	8.00	129	2191	1.228	ug/L #	10

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Quant Title : VOC Analysis
QLast Update : Thu Aug 13 05:58:58 2020
Response via : Initial Calibration

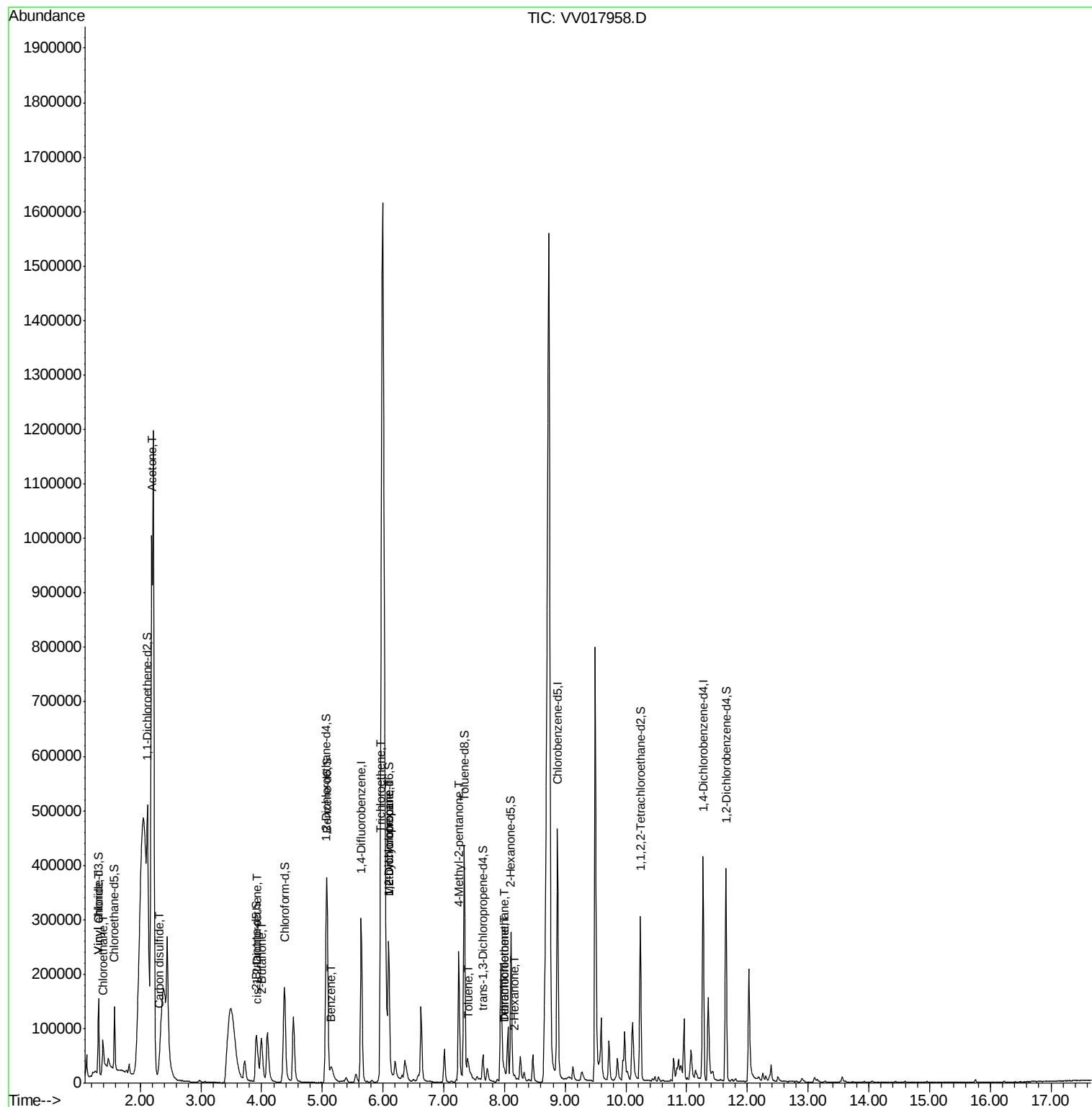
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

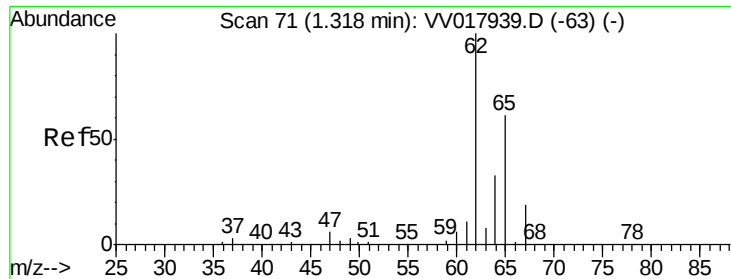
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Quant Title : VOC Analysis
QLast Update : Thu Aug 13 05:58:58 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.092 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017958.D

Acq: 13 Aug 2020 04:27

Instrument :

MSVOA_V

ClientSampleID :

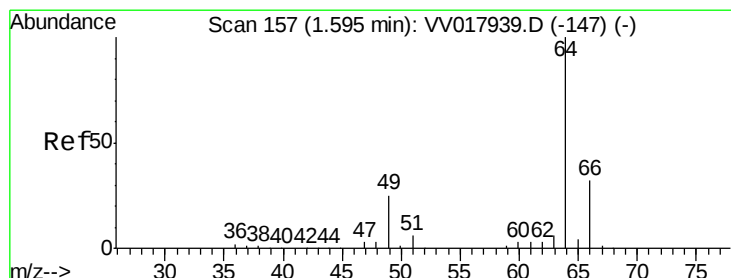
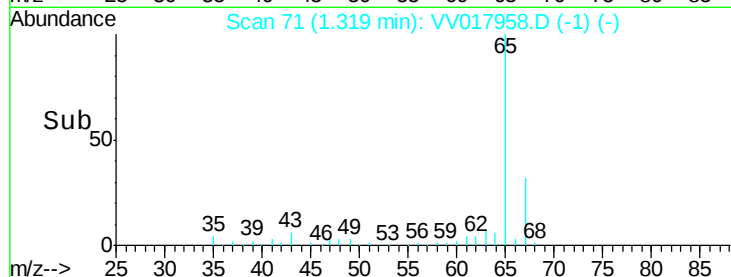
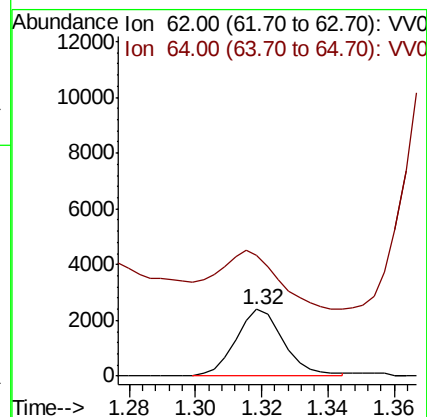
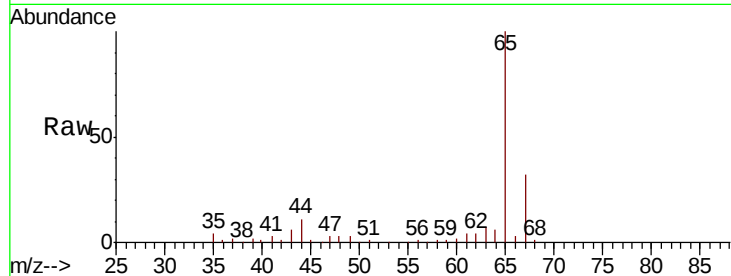
F2L99

Tot Ion: 62 Resp: 2408

Ion Ratio Lower Upper

62 100

64 181.4 22.4 41.6#



#8

Chloroethane

Concen: 42.432 ug/L

RT: 1.39 min Scan# 92

Delta R.T. -0.21 min

Lab File: VV017958.D

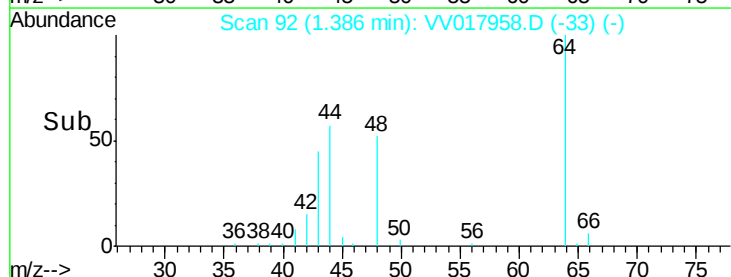
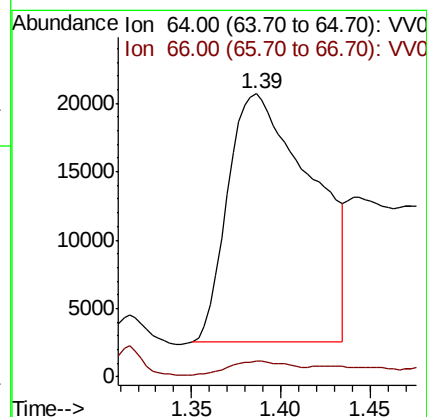
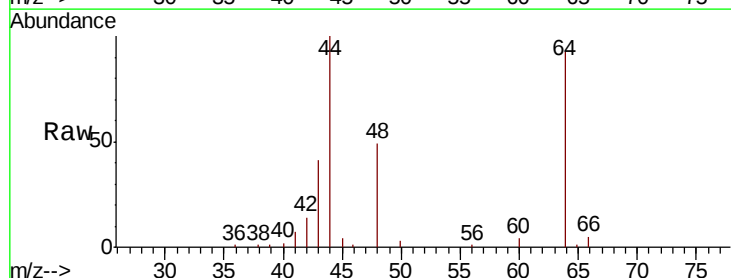
Acq: 13 Aug 2020 04:27

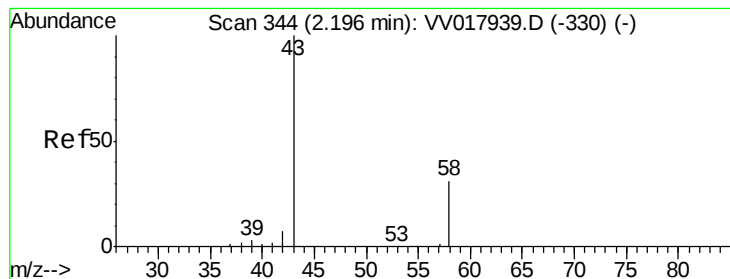
Tgt Ion: 64 Resp: 59713

Ion Ratio Lower Upper

64 100

66 5.5 22.3 41.3#





#13

Acetone

Concen: 1063.439 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV017958.D

Acq: 13 Aug 2020 04:27

Instrument :

MSVOA_V

ClientSampleId :

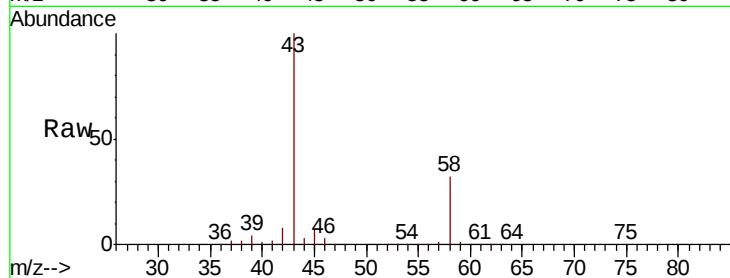
F2L99

Tot Ion: 43 Resp: 1362028

Ion Ratio Lower Upper

43 100

58 32.6 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV017939.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV017939.D (-330) (-)

2.19

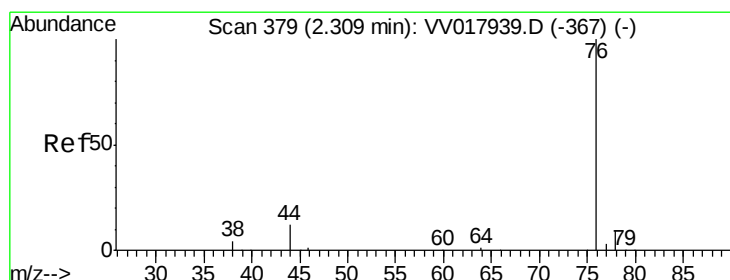
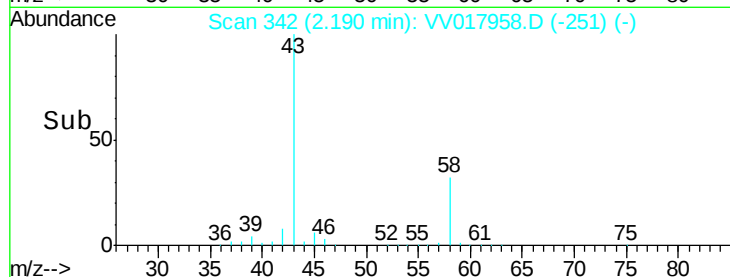
600000

400000

200000

0

Time-->



#14

Carbon disulfide

Concen: 2.417 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017958.D

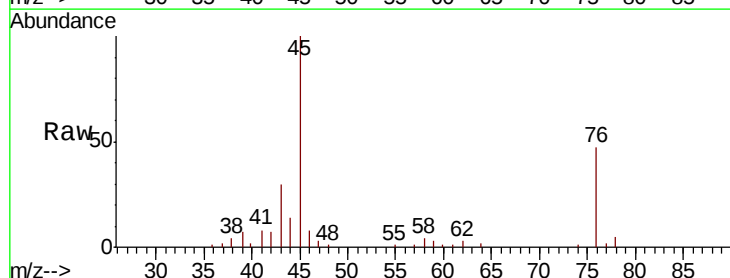
Acq: 13 Aug 2020 04:27

Tgt Ion: 76 Resp: 11074

Ion Ratio Lower Upper

76 100

78 10.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV017939.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV017939.D (-367) (-)

2.31

8000

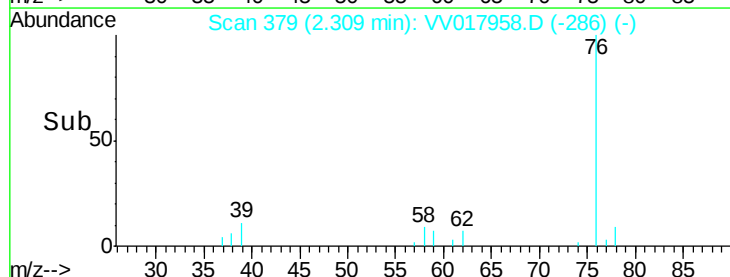
6000

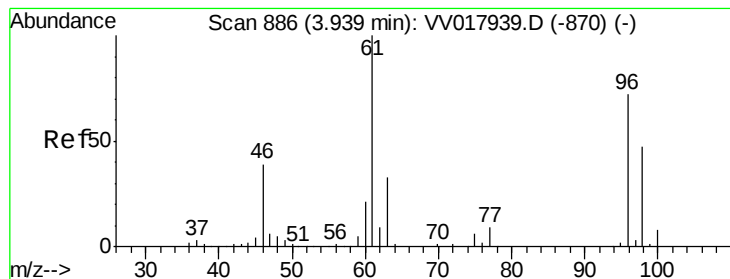
4000

2000

0

Time-->



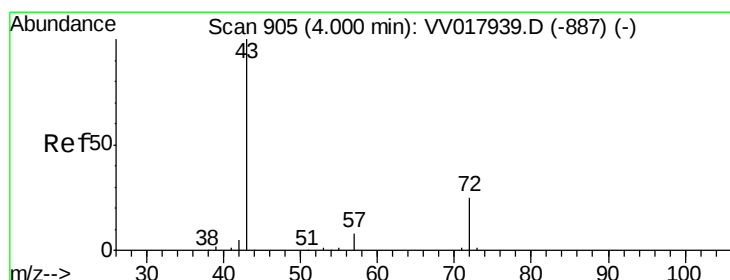
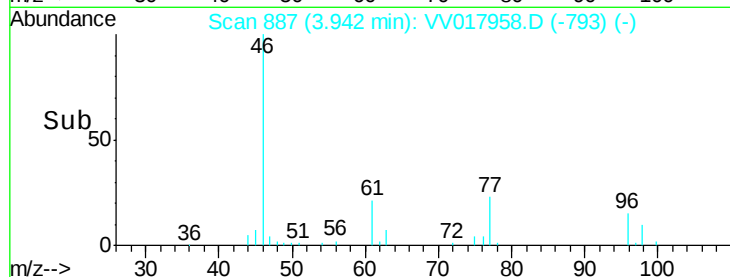
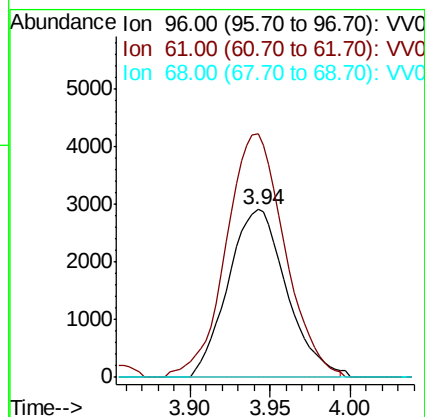
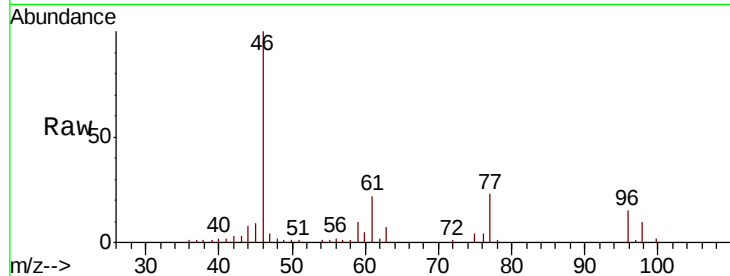


#20

cis-1,2-Dichloroethene
 Concen: 3.885 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VV017958.D
 Acq: 13 Aug 2020 04:27

Instrument :
 MSVOA_V
 ClientSampled :
 F2L99

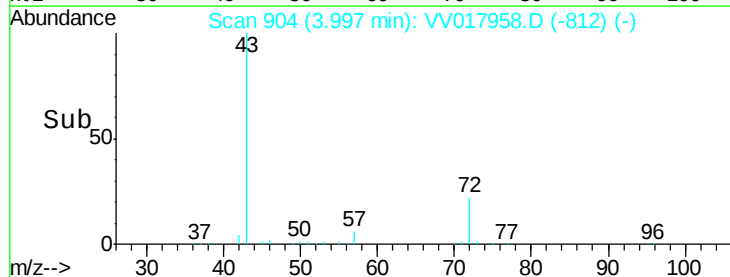
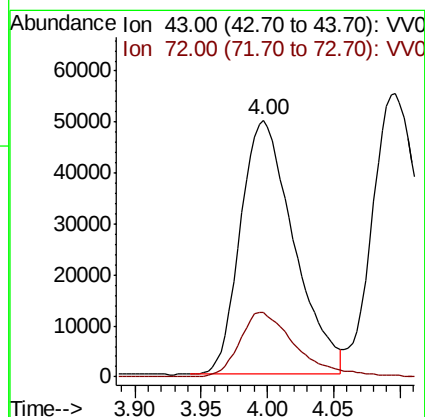
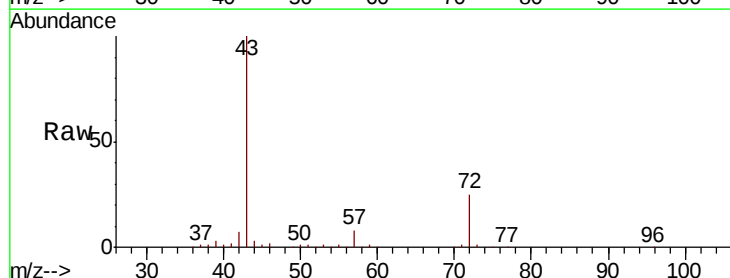
Tot Ion: 96 Resp: 7305
 Ion Ratio Lower Upper
 96 100
 61 145.2 95.0 176.4
 68 0.0 0.0 0.0

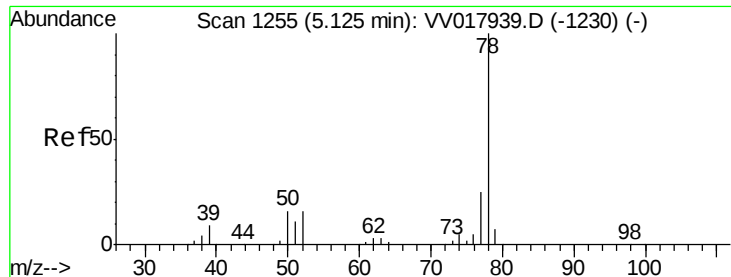


#22

2-Butanone
 Concen: 97.145 ug/L
 RT: 4.00 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: VV017958.D
 Acq: 13 Aug 2020 04:27

Tgt Ion: 43 Resp: 139580
 Ion Ratio Lower Upper
 43 100
 72 27.1 12.7 38.0





#33

Benzene

Concen: 1.609 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VV017958.D

Acq: 13 Aug 2020 04:27

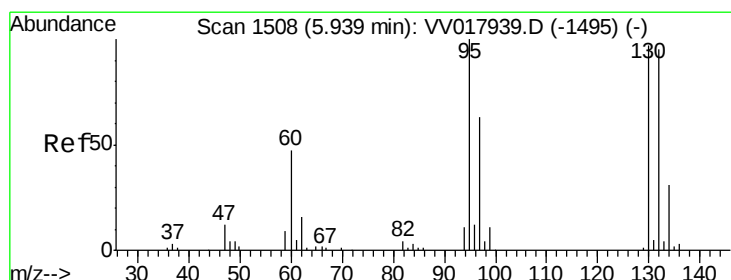
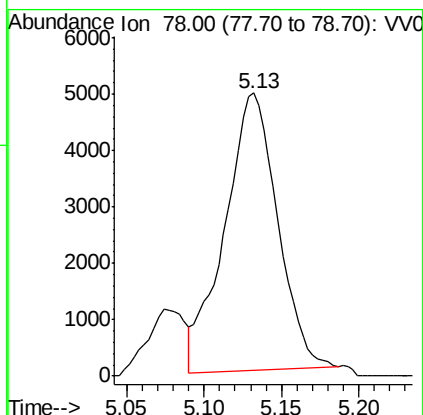
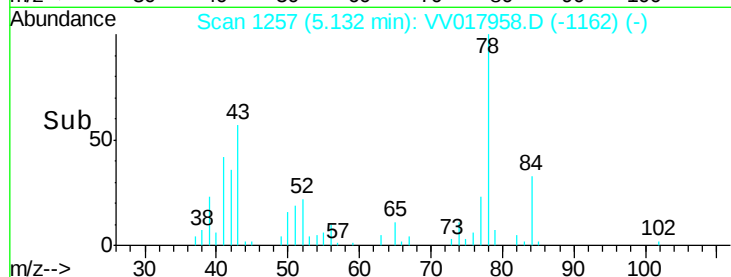
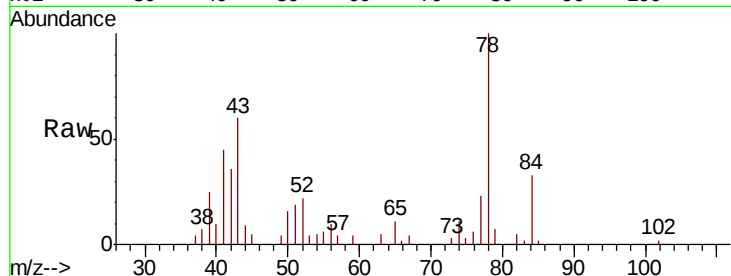
Instrument :

MSVOA_V

ClientSampleId :

F2L99

Tgt Ion: 78 Resp: 11642



#34

Trichloroethene

Concen: 1.987 ug/L

RT: 5.95 min Scan# 1510

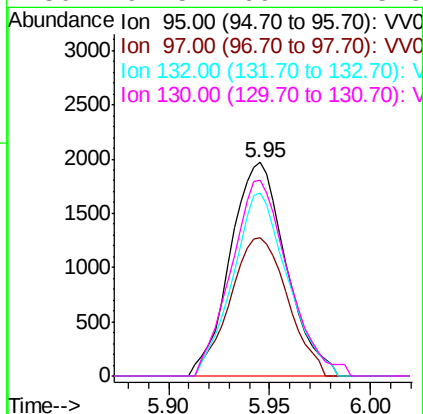
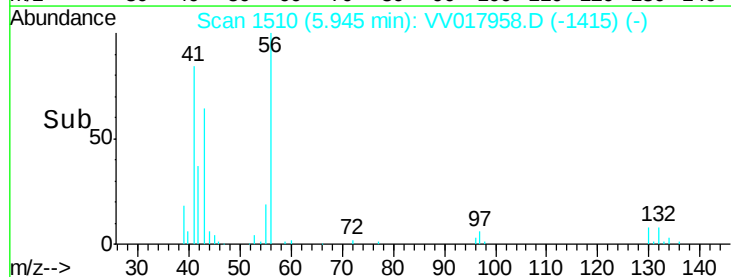
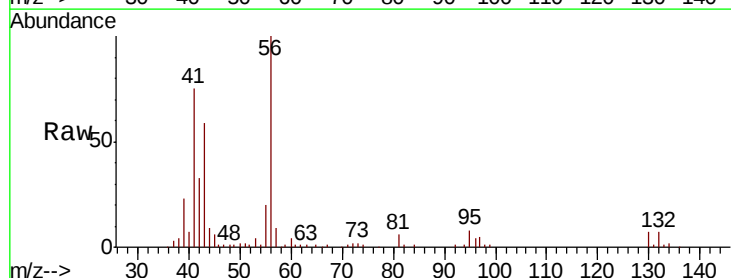
Delta R.T. 0.01 min

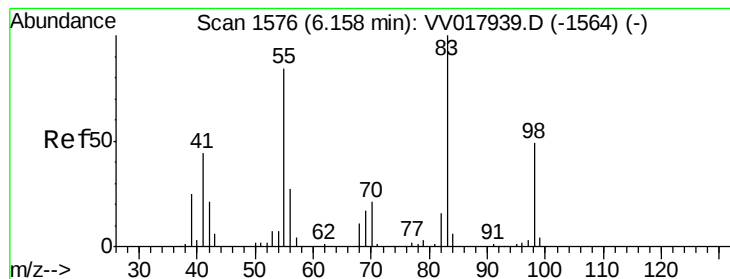
Lab File: VV017958.D

Acq: 13 Aug 2020 04:27

Tgt Ion: 95 Resp: 3801

Ion	Ratio	Lower	Upper
95	100		
97	65.0	46.0	85.4
132	85.8	65.8	122.2
130	91.5	69.2	128.6





#35

Methvlcvclohexane

Concen: 8.833 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV017958.D

Acq: 13 Aug 2020 04:27

Instrument :

MSVOA_V

ClientSampleId :

F2L99

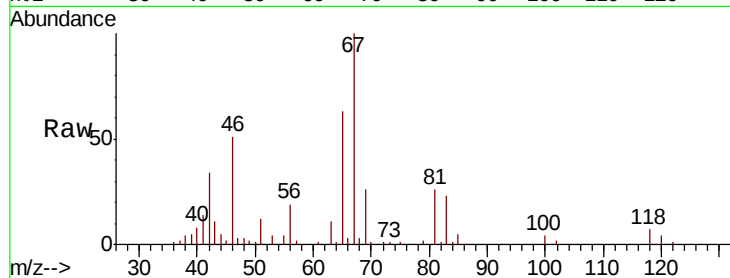
Tot Ion: 83 Resp: 25118

Ion Ratio Lower Upper

83 100

55 4.2 64.9 97.3#

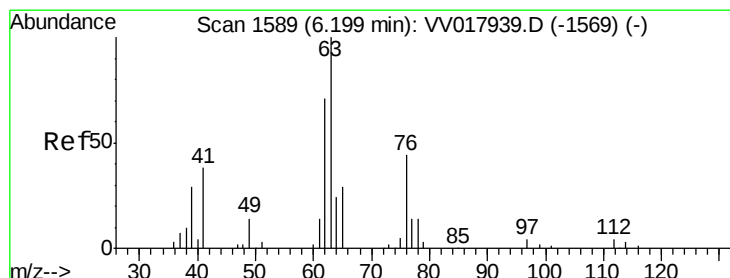
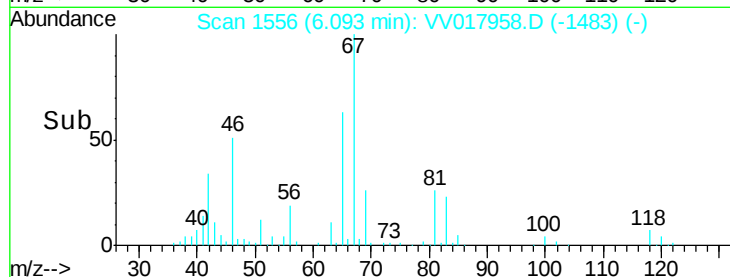
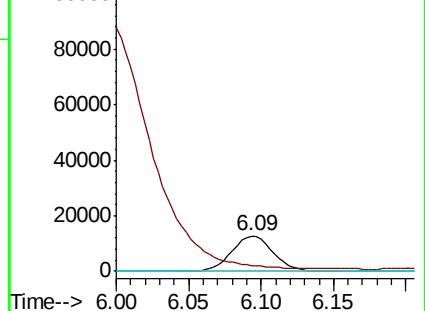
98 1.3 38.7 58.1#



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#37

1,2-Dichloropropane

Concen: 6.044 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.11 min

Lab File: VV017958.D

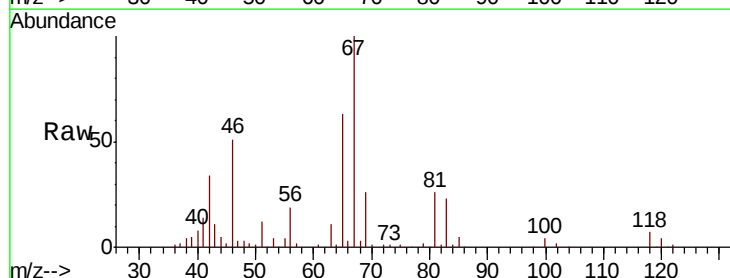
Acq: 13 Aug 2020 04:27

Tgt Ion: 63 Resp: 11925

Ion Ratio Lower Upper

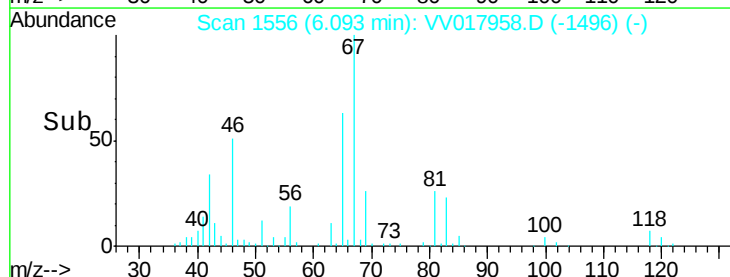
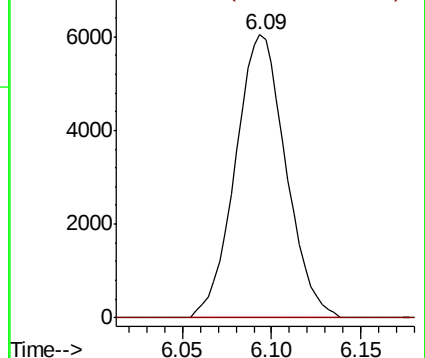
63 100

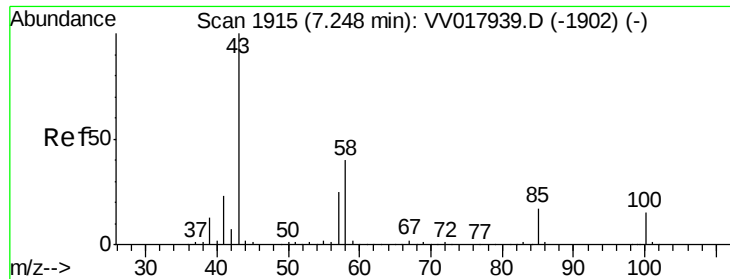
112 0.2 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

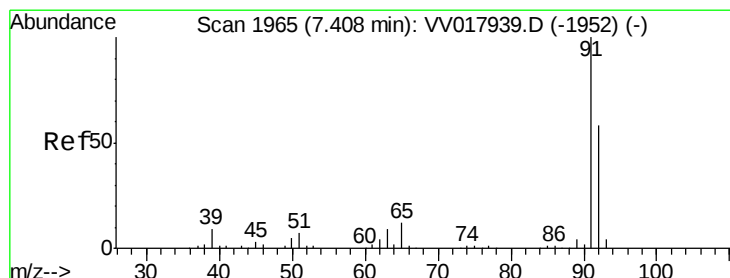
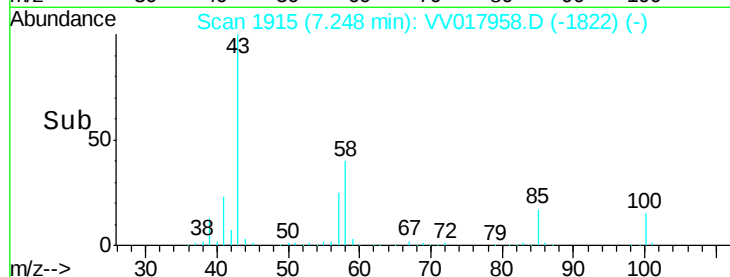
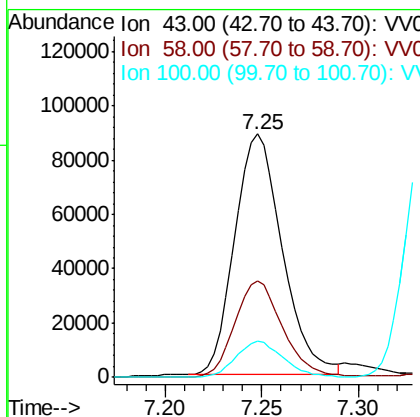
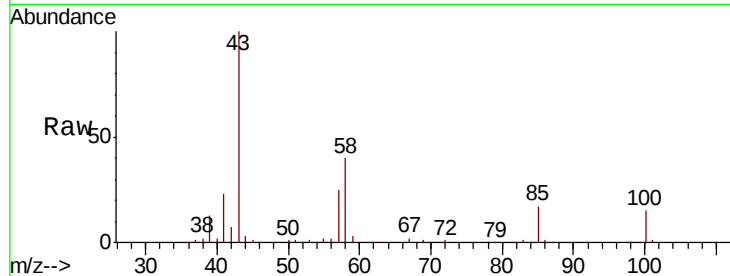




#40
4-Methyl-2-pentanone
Concen: 59.025 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VV017958.D
Acq: 13 Aug 2020 04:27

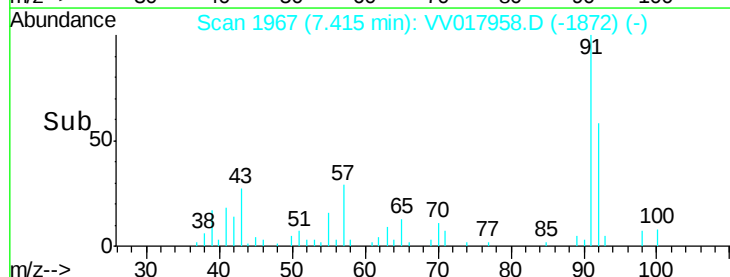
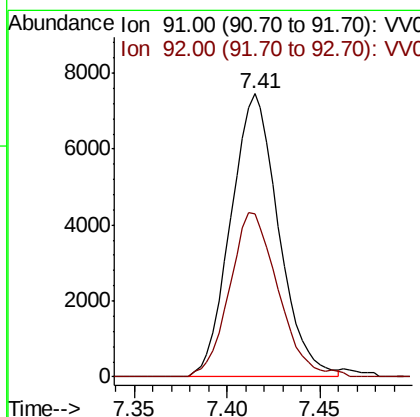
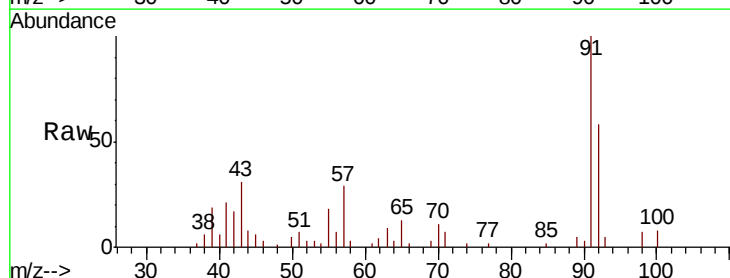
Instrument :
MSVOA_V
ClientSampled :
F2L99

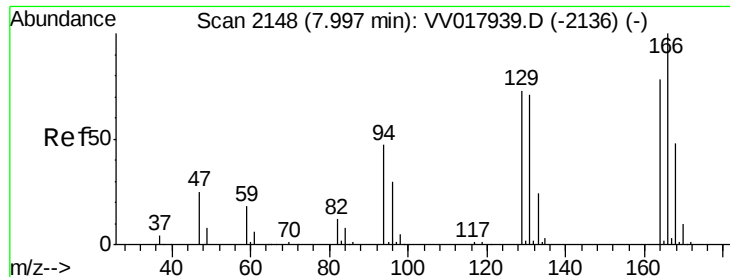
Tot Ion: 43 Resp: 152246
Ion Ratio Lower Upper
43 100
58 40.4 31.9 47.9
100 15.0 12.2 18.2



#42
Toluene
Concen: 1.770 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV017958.D
Acq: 13 Aug 2020 04:27

Tgt Ion: 91 Resp: 13361
Ion Ratio Lower Upper
91 100
92 57.6 40.6 75.4





#46

Tetrachloroethene

Concen: 1.679 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV017958.D

Acq: 13 Aug 2020 04:27

Instrument :

MSVOA_V

ClientSampled :

F2L99

Tot Ion:164 Resp: 2355

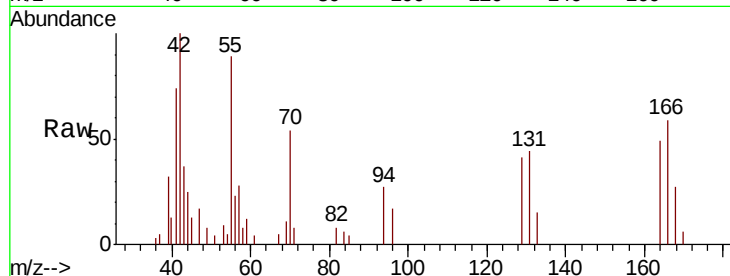
Ion Ratio Lower Upper

164 100

129 83.5 64.8 120.3

131 89.9 64.5 119.9

166 120.7 88.9 165.1

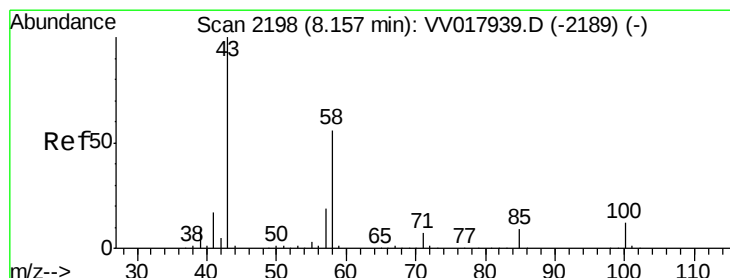
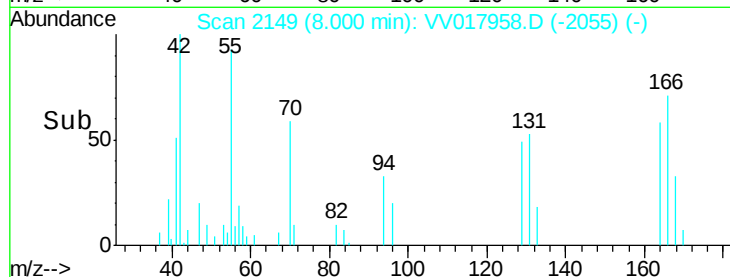
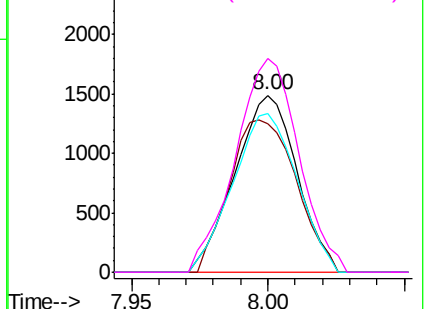


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 2.939 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV017958.D

Acq: 13 Aug 2020 04:27

Tgt Ion: 43 Resp: 6113

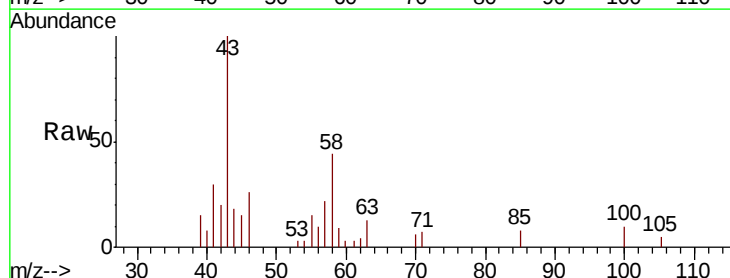
Ion Ratio Lower Upper

43 100

58 41.0 44.4 66.6#

57 15.3 15.2 22.8

100 11.2 9.8 14.6

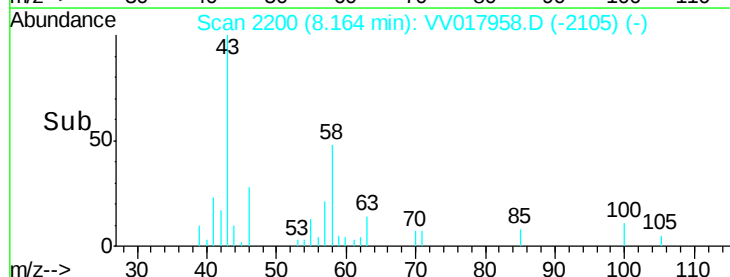
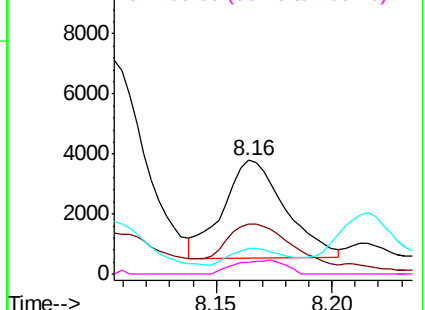


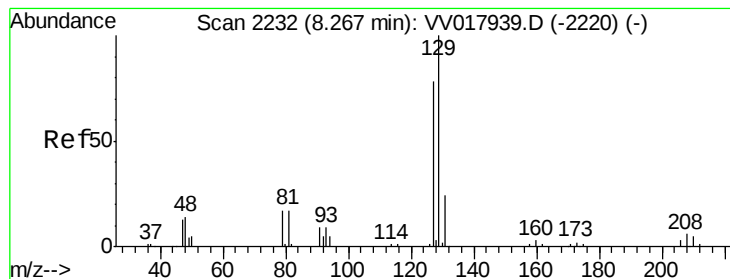
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 1.228 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV017958.D

Acq: 13 Aug 2020 04:27

Instrument :

MSVOA_V

ClientSampleId :

F2L99

Tot Ion:129 Resp: 2191

Ion Ratio Lower Upper

129 100

127 0.0 54.9 101.9#

