

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050820\
 Data File : VV015968.D
 Acq On : 08 May 2020 16:20
 Operator : SY/MD
 Sample : L2520-07
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 09 00:49:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 09 00:44:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	140204	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	135733	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	63134	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	32932	4.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.60%
7) Chloroethane-d5	1.58	69	33143	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.12	63	54550	3.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.80%
20) 2-Butanone-d5	3.92	46	109894	50.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.30%
24) Chloroform-d	4.38	84	74478	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.06	65	46806	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.08	84	156710	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.09	67	50379	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.34	98	141110	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
45) trans-1,3-Dichloropropene-	7.65	79	17254	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
48) 2-Hexanone-d5	8.11	63	80861	47.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.14%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	34668	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	52489	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	10297	0.958 ug/L	99
3) Chloromethane	1.14	50	34953	3.214 ug/L #	73
9) Trichlorofluoromethane	1.76	101	2685	0.188 ug/L	96
13) Acetone	2.21	43	1753	1.225 ug/L	89
18) trans-1,2-Dichloroethene	2.78	96	1039	0.122 ug/L	94
25) Chloroform	4.41	83	22608	1.250 ug/L	97
27) 1,2-Dichloroethane	5.08	62	1020	0.092 ug/L #	76
34) Trichloroethene	5.94	95	8547	0.877 ug/L	97
35) Methylcyclohexane	6.09	83	12739	0.864 ug/L #	20
37) 1,2-Dichloropropane	6.09	63	6295	0.726 ug/L #	87
38) Bromodichloromethane	6.54	83	1309	0.119 ug/L #	90
46) trans-1,3-Dichloropropene	7.65	75	828	0.080 ug/L	86
49) Tetrachloroethene	8.00	164	19983	2.938 ug/L	96
50) 2-Hexanone	8.17	43	4149	1.085 ug/L #	85
51) Dibromochloromethane	8.00	129	19344	2.971 ug/L #	9

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QLast Update : Sat May 09 00:44:25 2020
Response via : Initial Calibration

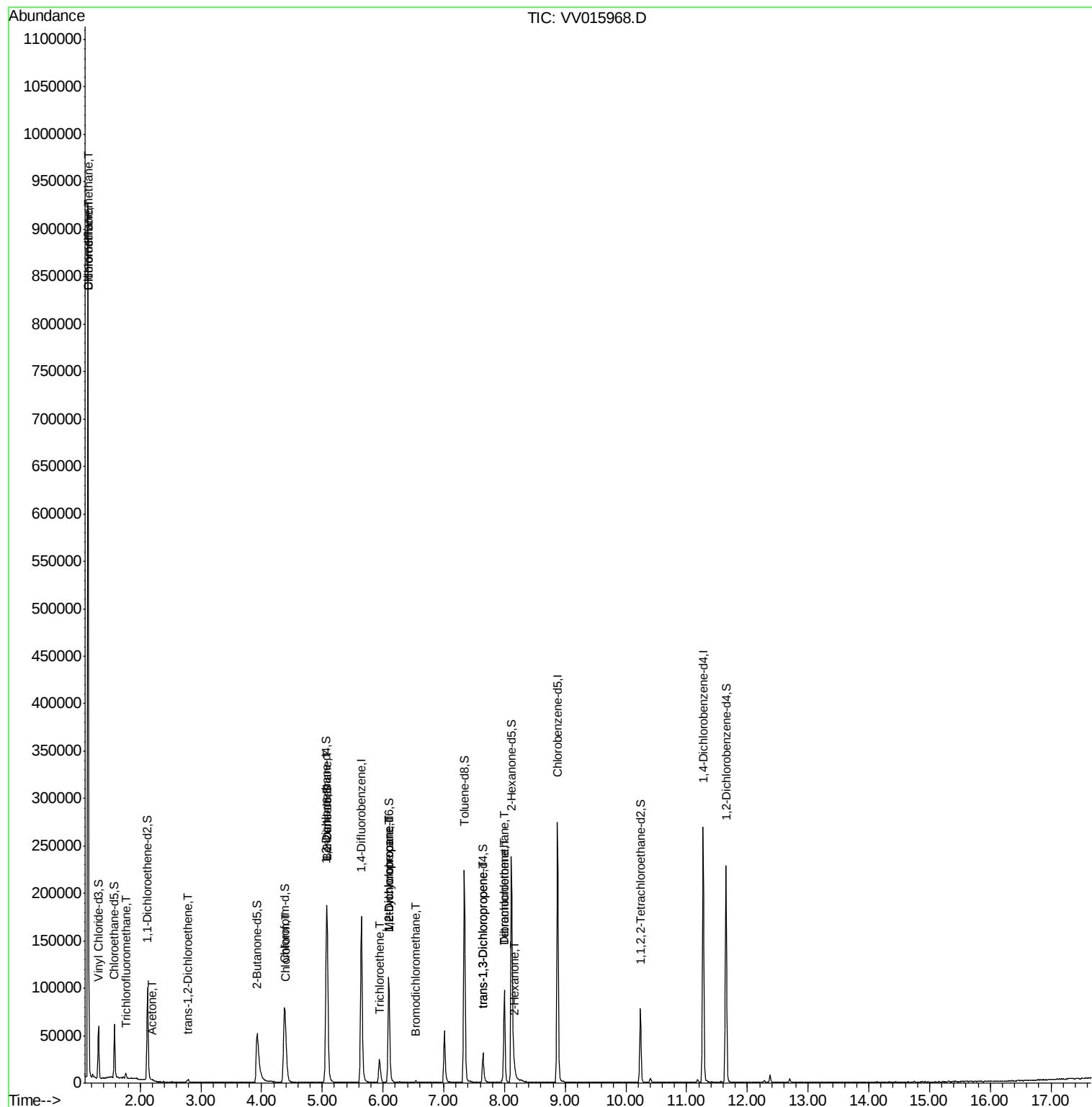
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

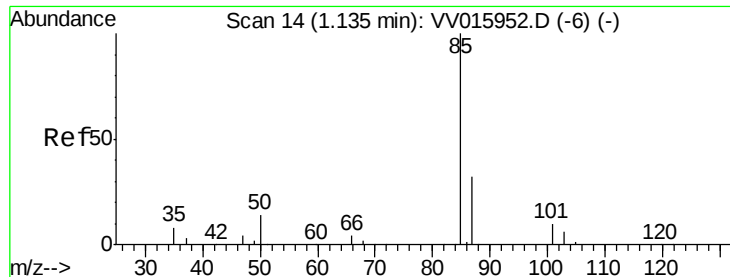
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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QLast Update : Sat May 09 00:44:25 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.958 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.01 min

Lab File: VV015968.D

Acq: 08 May 2020 16:20

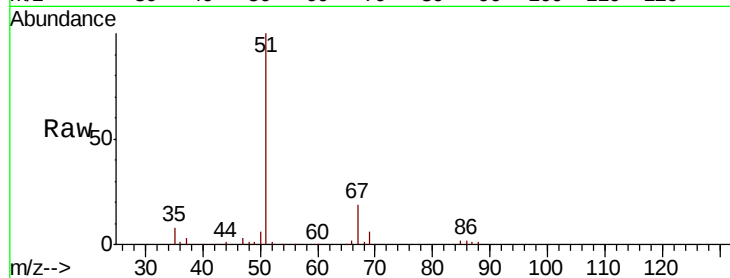
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 10297

Ion Ratio Lower Upper

85 100

87 32.2 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

12000

10000

8000

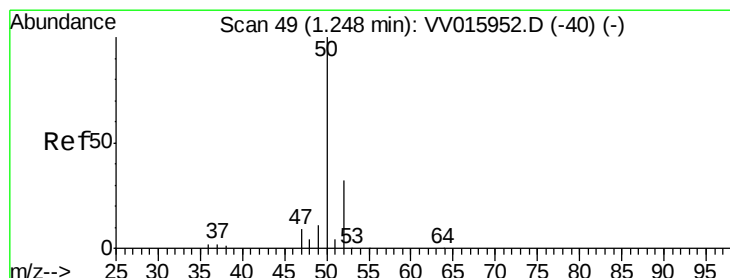
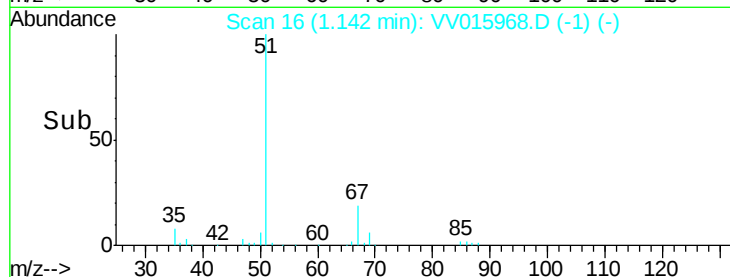
6000

4000

2000

0

Time-->



#3

Chloromethane

Concen: 3.214 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.11 min

Lab File: VV015968.D

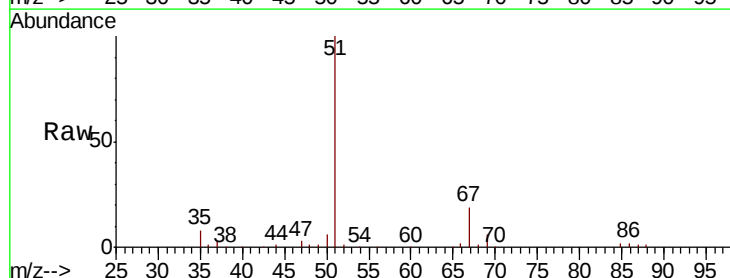
Acq: 08 May 2020 16:20

Tgt Ion: 50 Resp: 34953

Ion Ratio Lower Upper

50 100

52 17.2 22.8 42.4#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.14

40000

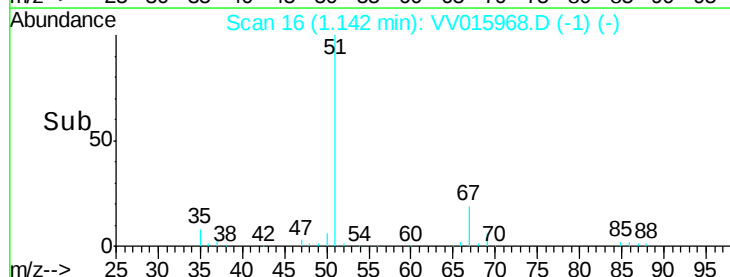
30000

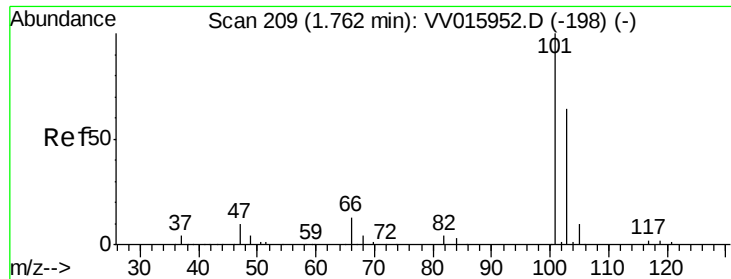
20000

10000

0

Time-->



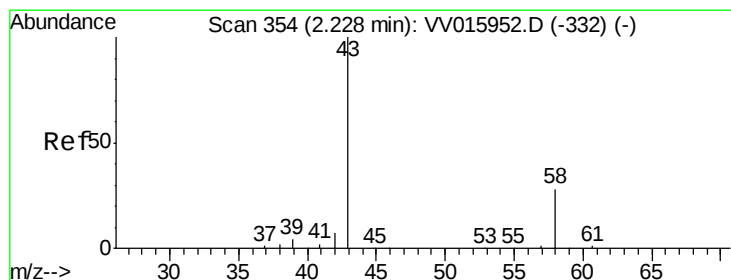
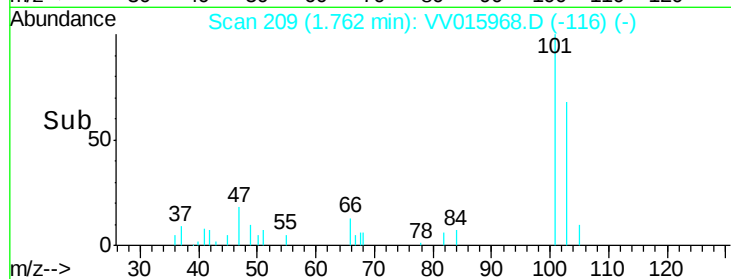
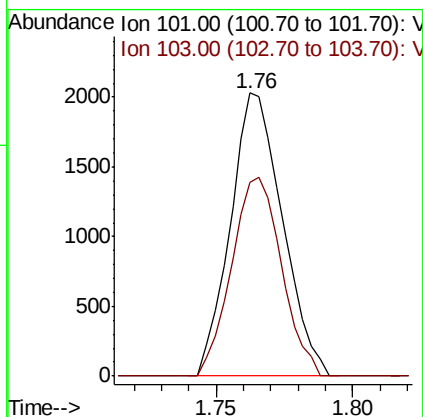
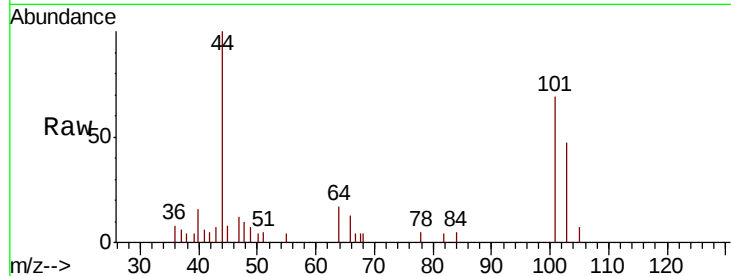


#9

Trichlorofluoromethane
 Concen: 0.188 ug/L
 RT: 1.76 min Scan# 209
 Delta R.T. 0.00 min
 Lab File: VV015968.D
 Acq: 08 May 2020 16:20

Instrument :
 MSVOA_V
 ClientSampled :

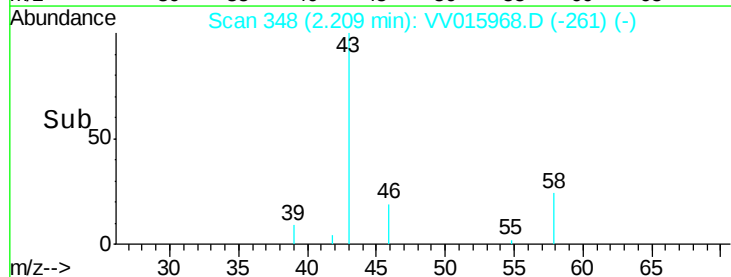
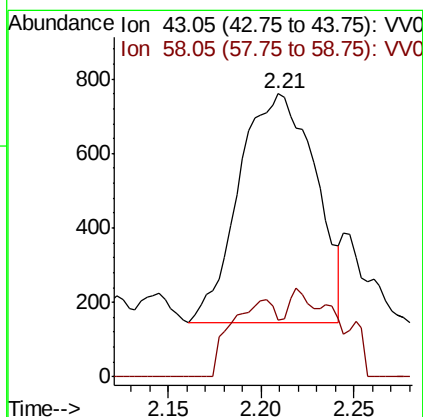
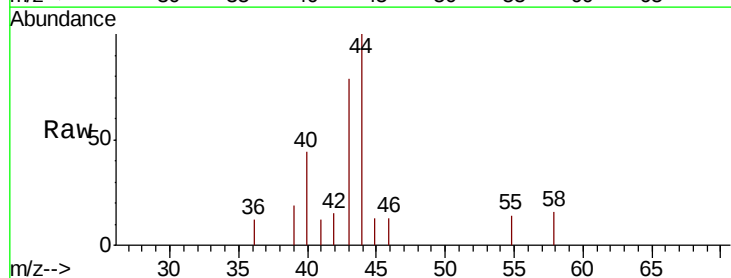
Tot Ion:101 Resp: 2685
 Ion Ratio Lower Upper
 101 100
 103 67.3 51.4 77.2

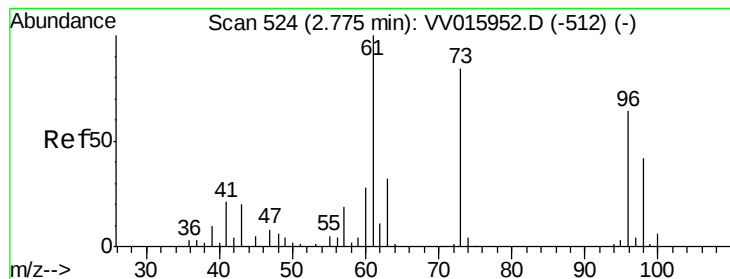


#13

Acetone
 Concen: 1.225 ug/L
 RT: 2.21 min Scan# 348
 Delta R.T. -0.02 min
 Lab File: VV015968.D
 Acq: 08 May 2020 16:20

Tgt Ion: 43 Resp: 1753
 Ion Ratio Lower Upper
 43 100
 58 20.1 0.0 30.8





#18

trans-1,2-Dichloroethene

Concen: 0.122 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV015968.D

Acq: 08 May 2020 16:20

Instrument :
MSVOA_V
ClientSampleId :

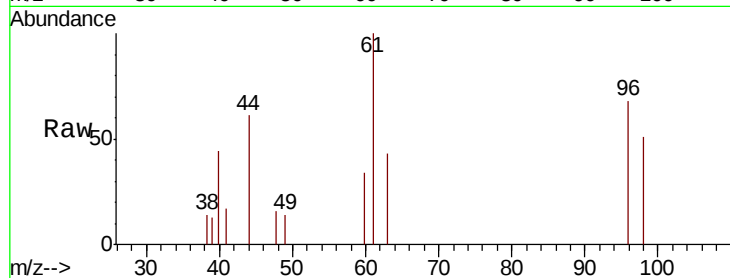
Tot Ion: 96 Resp: 1039

Ion Ratio Lower Upper

96 100

61 147.8 105.3 195.5

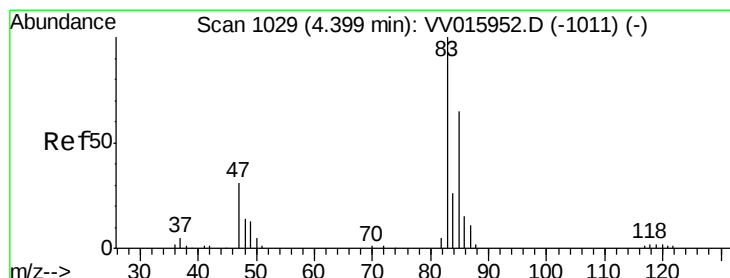
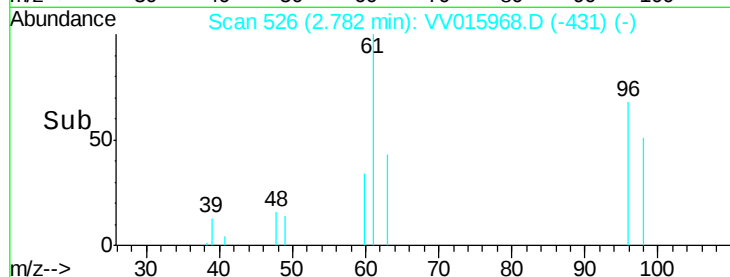
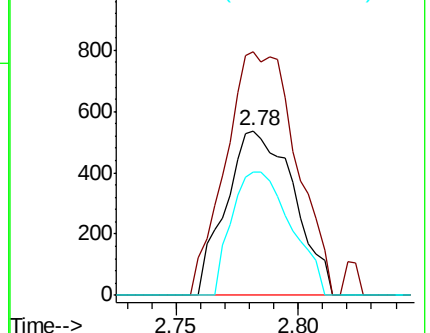
98 74.7 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV015952.D (-512) (-)

Ion 61.05 (60.75 to 61.75): VV015952.D (-512) (-)

Ion 97.95 (97.65 to 98.65): VV015952.D (-512) (-)



#25

Chloroform

Concen: 1.250 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VV015968.D

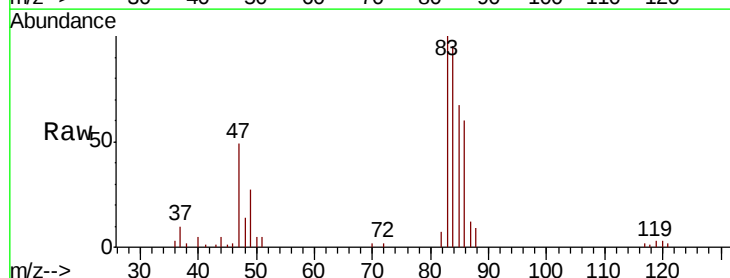
Acq: 08 May 2020 16:20

Tgt Ion: 83 Resp: 22608

Ion Ratio Lower Upper

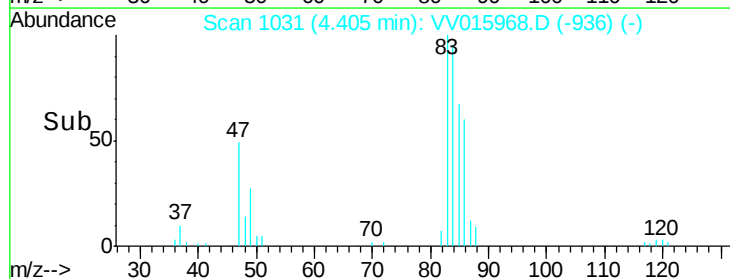
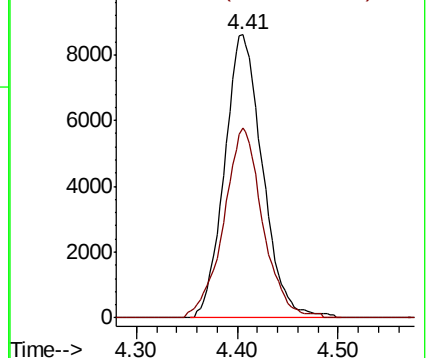
83 100

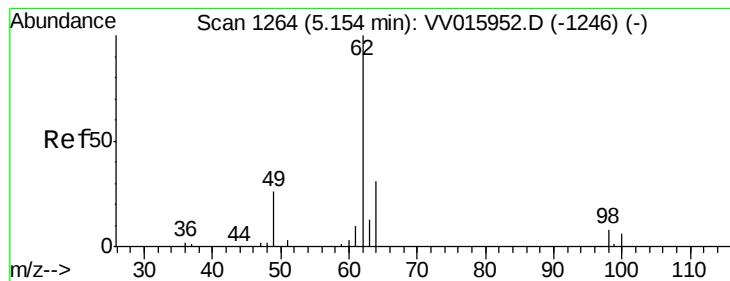
85 67.3 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV015952.D (-1011) (-)

Ion 85.00 (84.70 to 85.70): VV015952.D (-1011) (-)





#27

1,2-Dichloroethane

Concen: 0.092 ug/L

RT: 5.08 min Scan# 1240

Delta R.T. -0.08 min

Lab File: VV015968.D

Acq: 08 May 2020 16:20

Instrument :

MSVOA_V

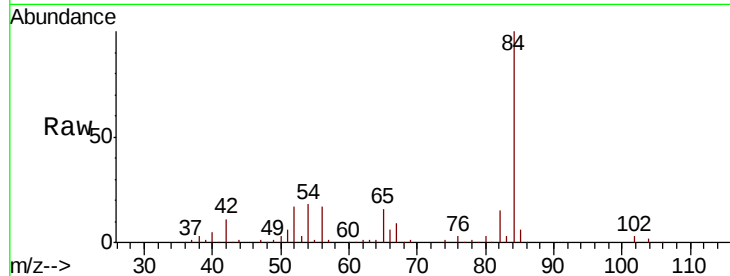
ClientSampled :

Tot Ion: 62 Resp: 1020

Ion Ratio Lower Upper

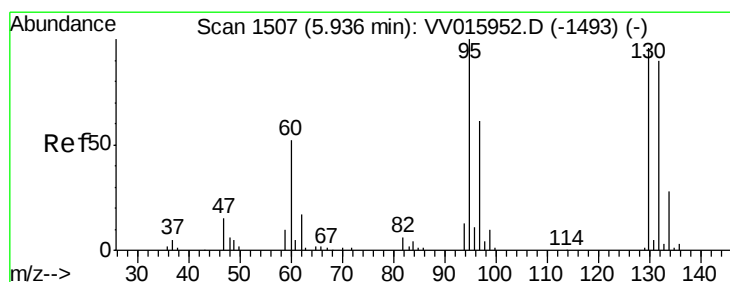
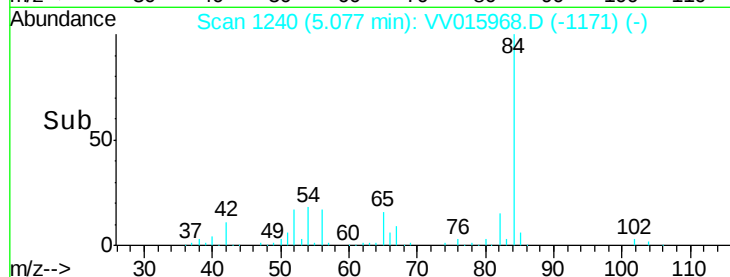
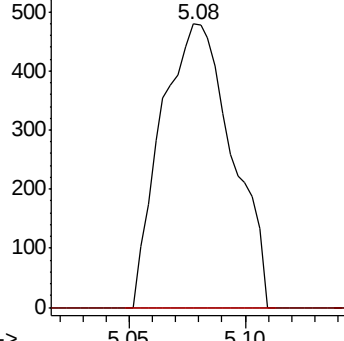
62 100

98 0.0 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#34

Trichloroethene

Concen: 0.877 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV015968.D

Acq: 08 May 2020 16:20

Tgt Ion: 95 Resp: 8547

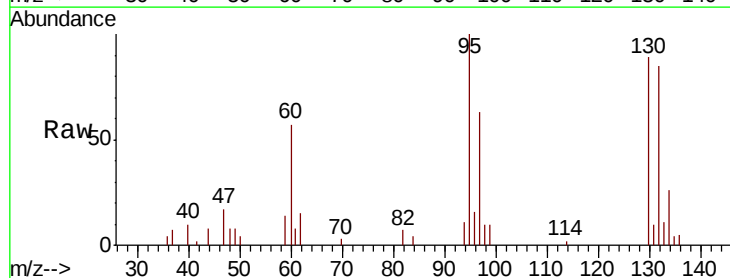
Ion Ratio Lower Upper

95 100

97 63.4 43.3 80.5

132 84.8 60.3 112.1

130 89.5 66.0 122.6

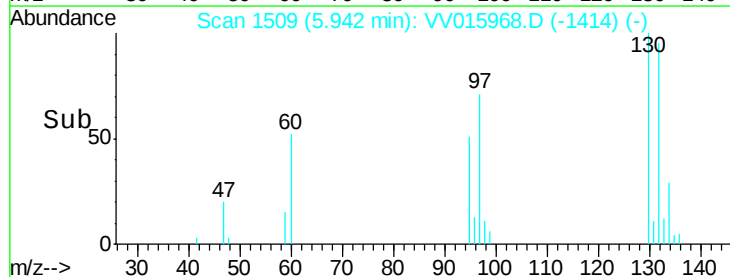
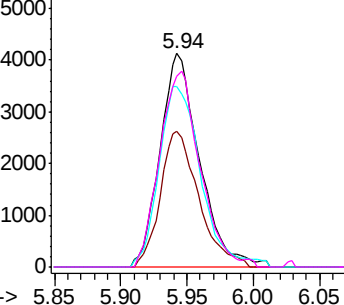


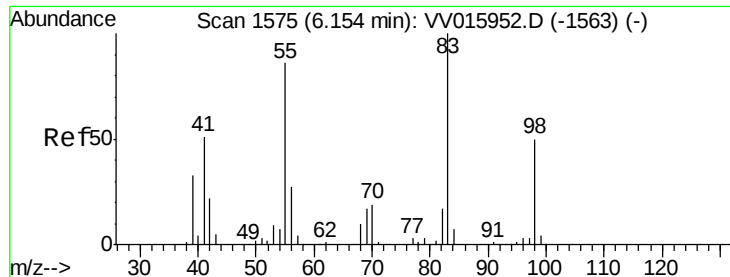
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

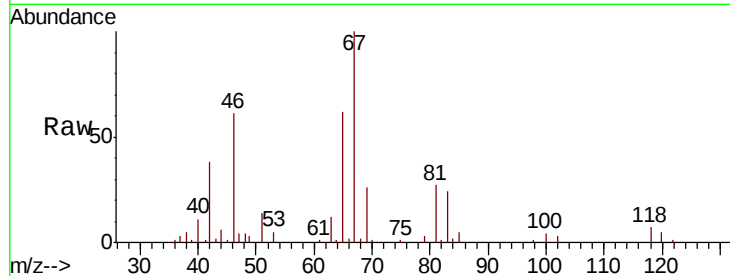




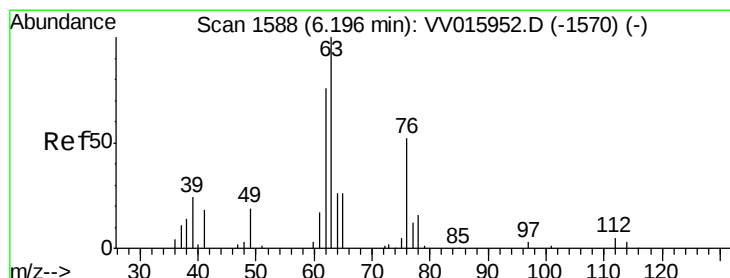
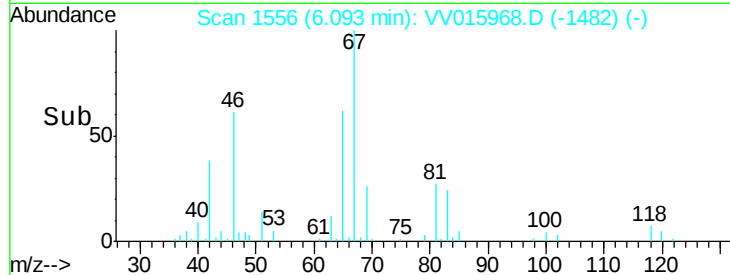
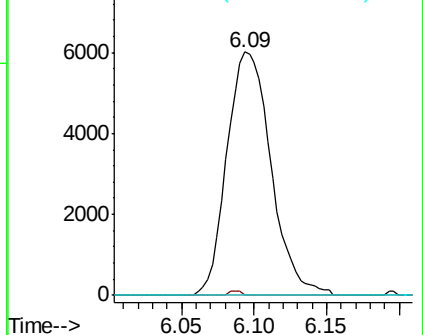
#35
Methvlcvclohexane
Concen: 0.864 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV015968.D
Acq: 08 May 2020 16:20

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 12739
Ion Ratio Lower Upper
83 100
55 0.5 66.2 99.2#
98 6.7 37.9 56.9#

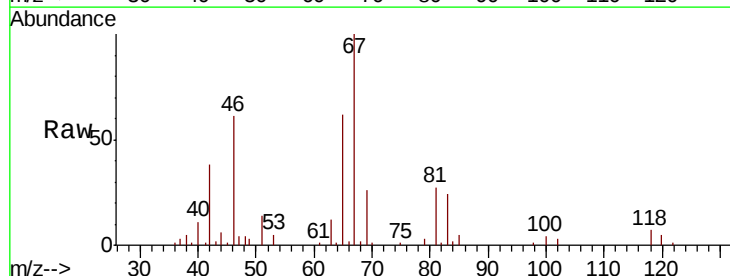


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

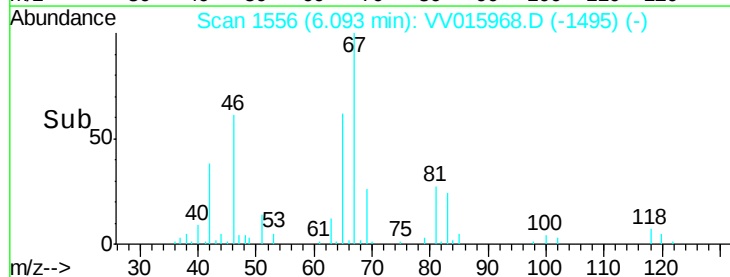
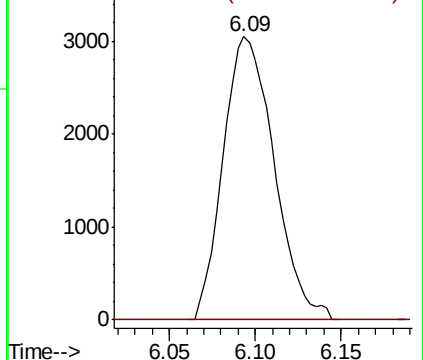


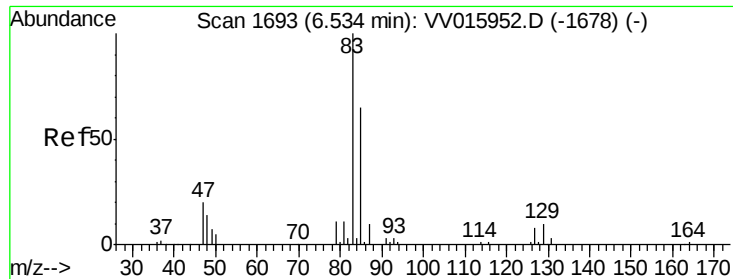
#37
1,2-Dichloropropane
Concen: 0.726 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV015968.D
Acq: 08 May 2020 16:20

Tgt Ion: 63 Resp: 6295
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: 0.119 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VV015968.D

Acq: 08 May 2020 16:20

Instrument :

MSVOA_V

ClientSampleId :

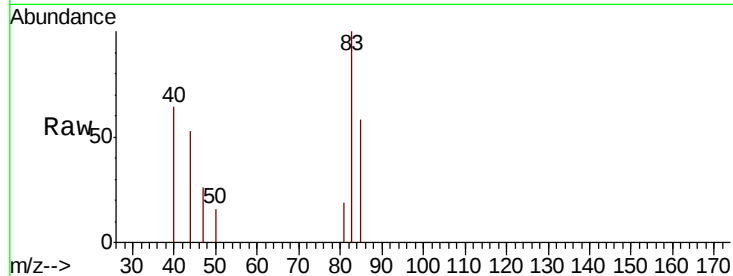
Tot Ion: 83 Resp: 1309

Ion Ratio Lower Upper

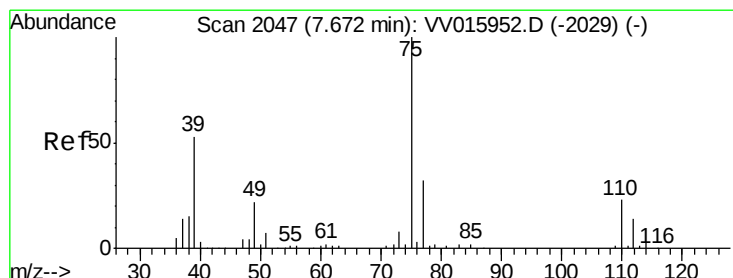
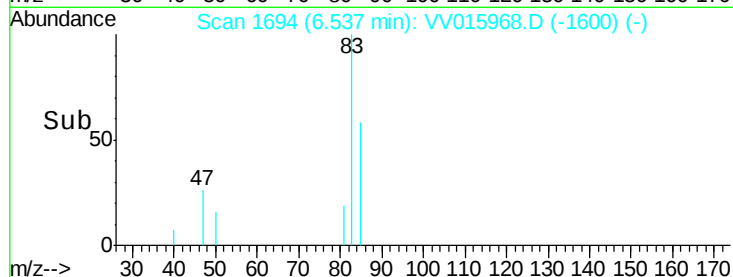
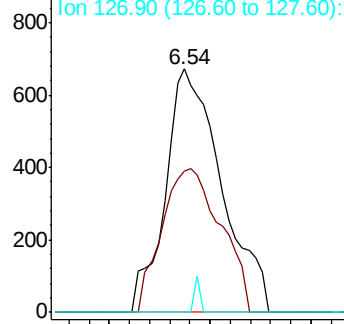
83 100

85 58.0 45.5 84.5

127 0.0 6.2 9.4#



Abundance Ion 82.95 (82.65 to 83.65): VV015968.D (-1600) (-)



#46

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV015968.D

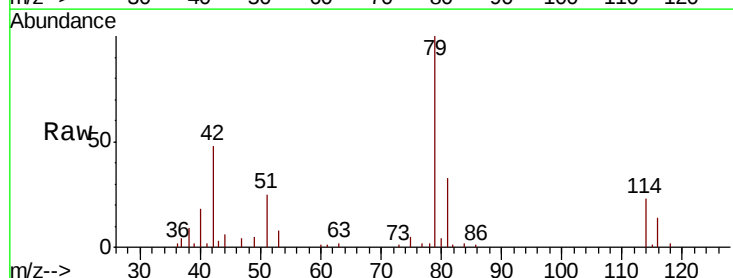
Acq: 08 May 2020 16:20

Tgt Ion: 75 Resp: 828

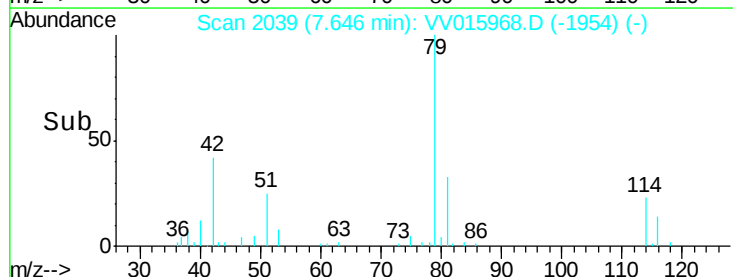
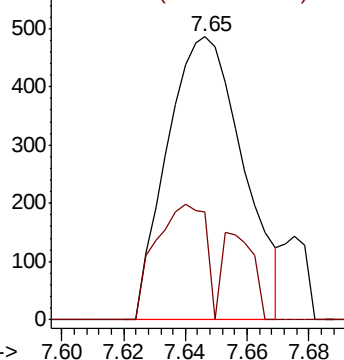
Ion Ratio Lower Upper

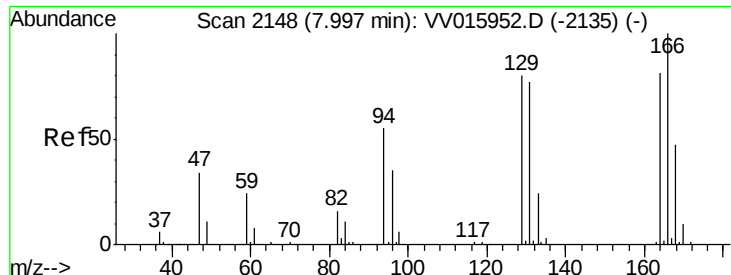
75 100

77 38.3 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV015968.D (-1954) (-)





#49

Tetrachloroethene

Concen: 2.938 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015968.D

Acq: 08 May 2020 16:20

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 19983

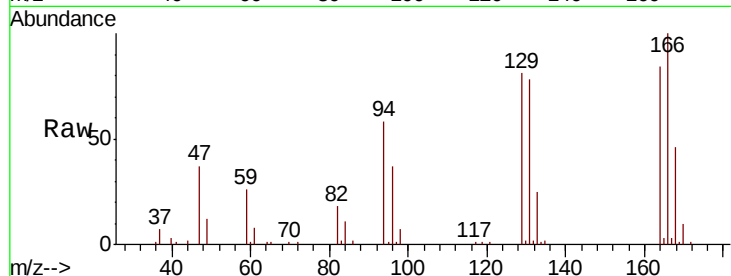
Ion Ratio Lower Upper

164 100

129 96.2 69.7 129.4

131 93.5 66.8 124.2

166 119.3 89.1 165.5

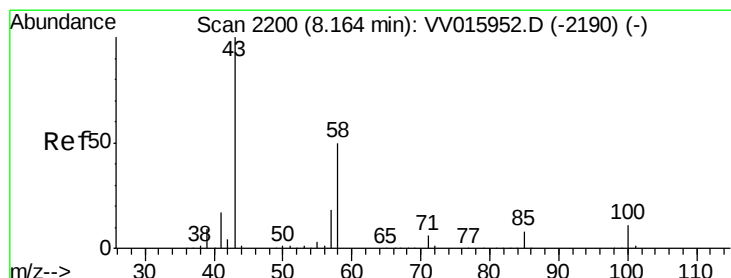
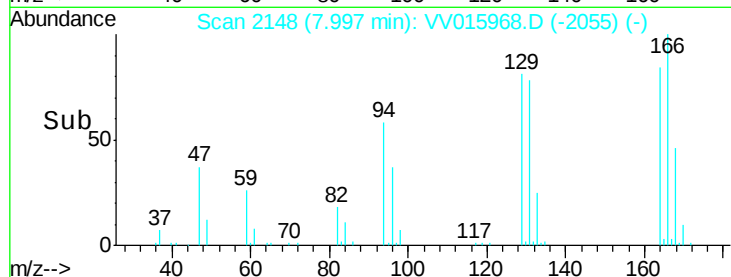
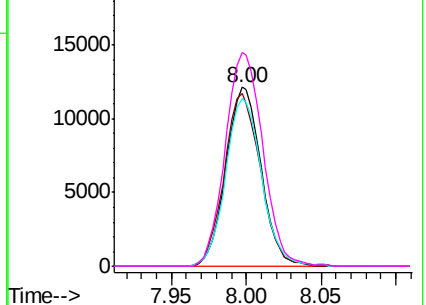


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#50

2-Hexanone

Concen: 1.085 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VV015968.D

Acq: 08 May 2020 16:20

Tgt Ion: 43 Resp: 4149

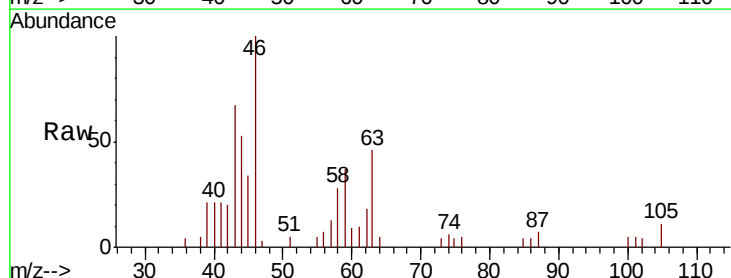
Ion Ratio Lower Upper

43 100

58 39.1 40.8 61.2#

57 17.6 14.7 22.1

100 1.1 9.0 13.6#

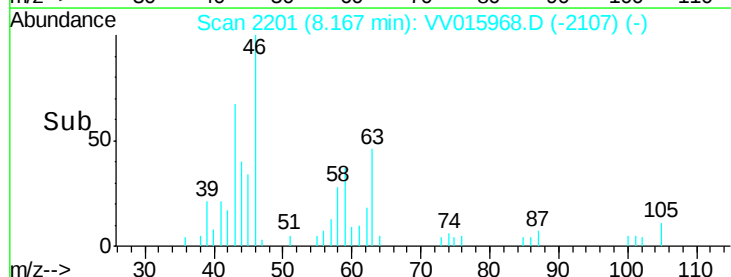
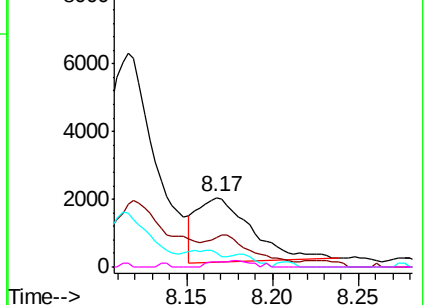


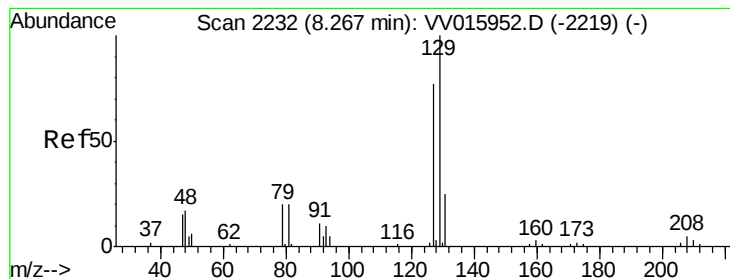
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#51

Dibromochloromethane

Concen: 2.971 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV015968.D

Acq: 08 May 2020 16:20

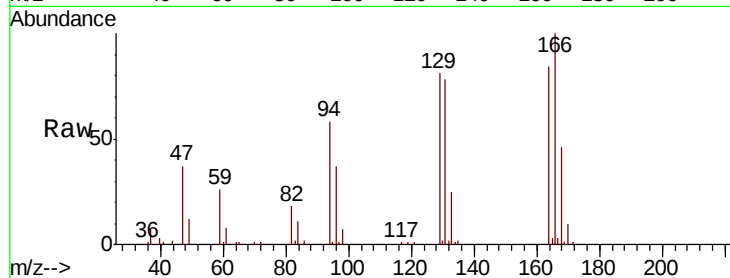
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 19344

Ion Ratio Lower Upper

129 100

127 0.0 56.0 104.0#



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

