

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051220\
 Data File : VV016013.D
 Acq On : 12 May 2020 14:43
 Operator : SY/MD
 Sample : L2541-16
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 13 06:58:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 13 06:55:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	136590	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	135569	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	60952	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30709	4.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.80%
7) Chloroethane-d5	1.58	69	30901	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.00%
11) 1,1-Dichloroethene-d2	2.12	63	51210	3.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.20%
20) 2-Butanone-d5	3.93	46	105032	49.69	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.38%
24) Chloroform-d	4.38	84	70427	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	5.06	65	46056	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.08	84	151554	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.10	67	49492	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.34	98	132139	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
45) trans-1,3-Dichloropropene-	7.65	79	11479	2.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	59.40%
48) 2-Hexanone-d5	8.12	63	67993	40.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.10%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	34428	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	49082	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

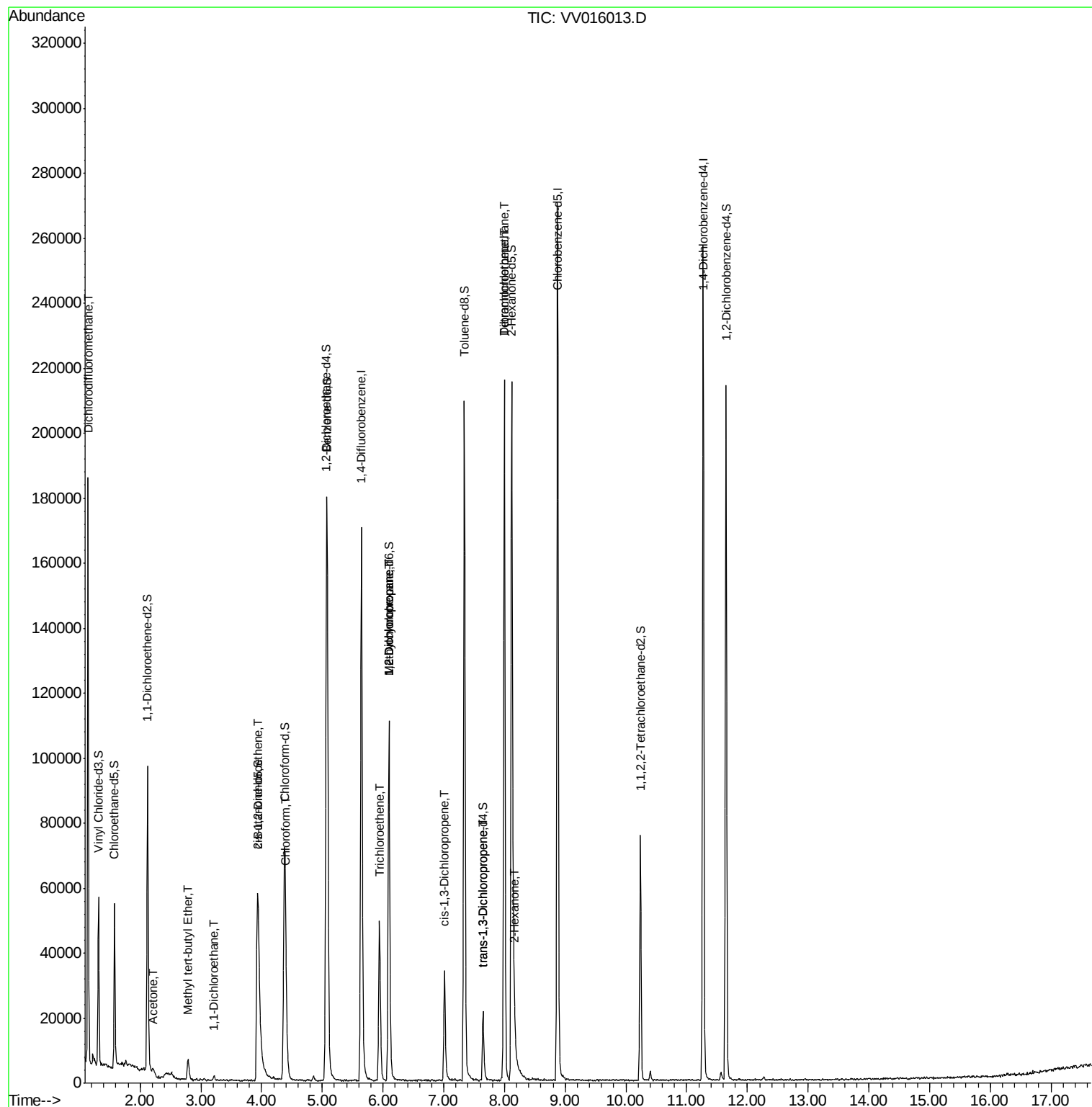
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	1843	0.176	ug/L	89
13) Acetone	2.22	43	4575	3.281	ug/L	81
17) Methyl tert-butyl Ether	2.79	73	4846	0.248	ug/L #	93
19) 1,1-Dichloroethane	3.21	63	1425	0.089	ug/L #	83
22) cis-1,2-Dichloroethene	3.94	96	5902	0.679	ug/L	97
25) Chloroform	4.41	83	14190	0.805	ug/L	97
34) Trichloroethene	5.94	95	17240	1.771	ug/L	97
35) Methylcyclohexane	6.10	83	12032	0.817	ug/L #	16
37) 1,2-Dichloropropane	6.09	63	6053	0.699	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1154	0.094	ug/L #	54
46) trans-1,3-Dichloropropene	7.64	75	685	0.066	ug/L #	56
49) Tetrachloroethene	8.00	164	43854	6.456	ug/L	97
50) 2-Hexanone	8.17	43	5338	1.398	ug/L #	74
51) Dibromochloromethane	8.00	129	42374	6.517	ug/L #	9

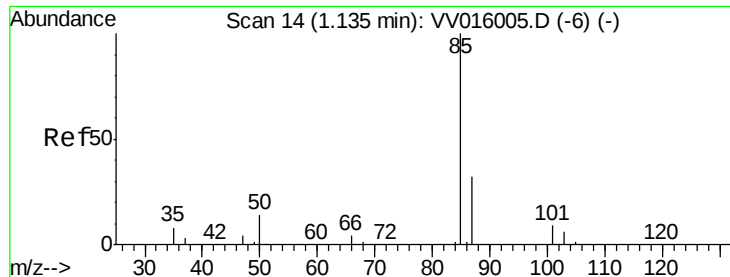
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 13 06:55:36 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.176 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.01 min

Lab File: VV016013.D

Acq: 12 May 2020 14:43

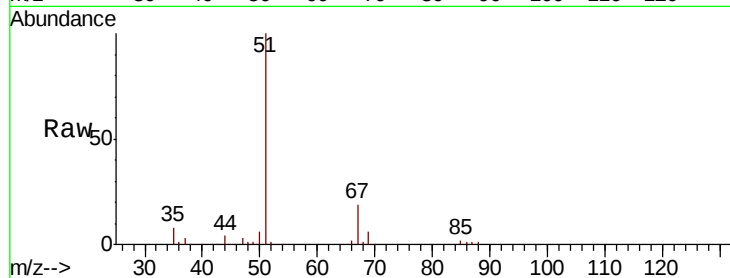
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 1843

Ion Ratio Lower Upper

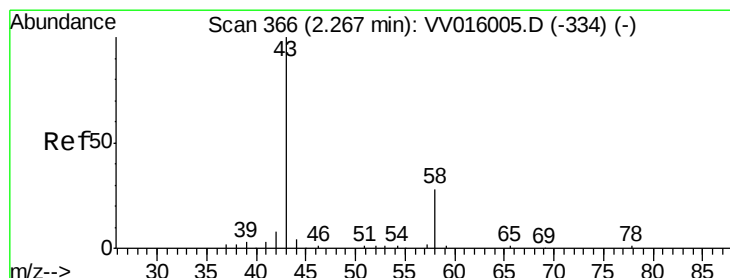
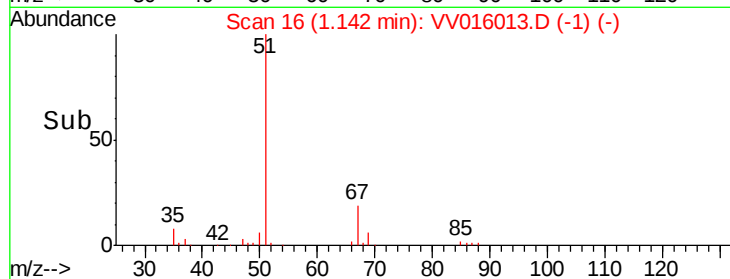
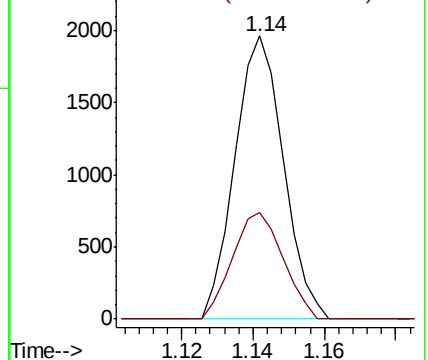
85 100

87 39.2 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#13

Acetone

Concen: 3.281 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.05 min

Lab File: VV016013.D

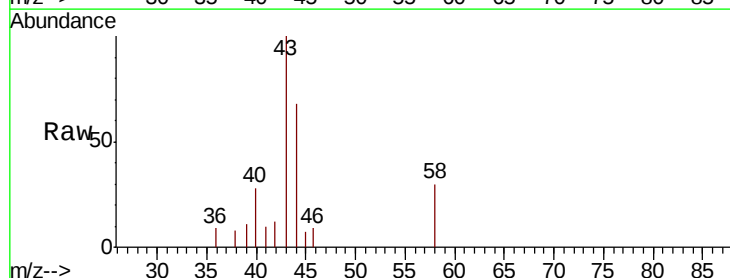
Acq: 12 May 2020 14:43

Tgt Ion: 43 Resp: 4575

Ion Ratio Lower Upper

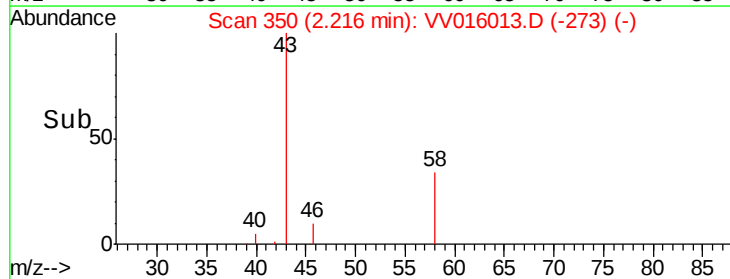
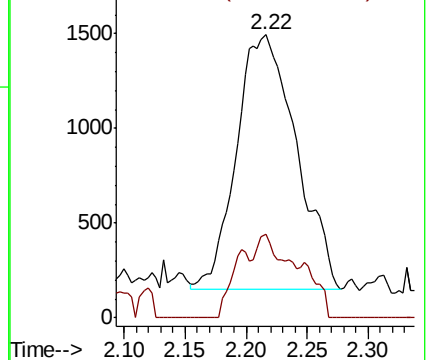
43 100

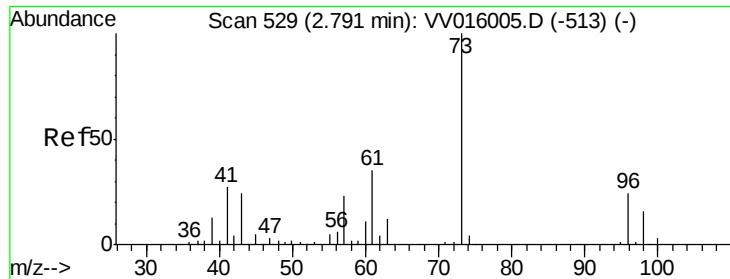
58 7.6 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

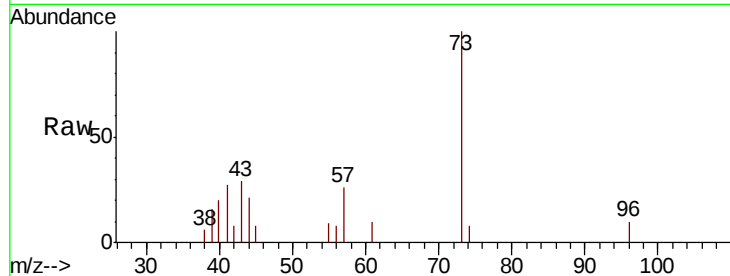




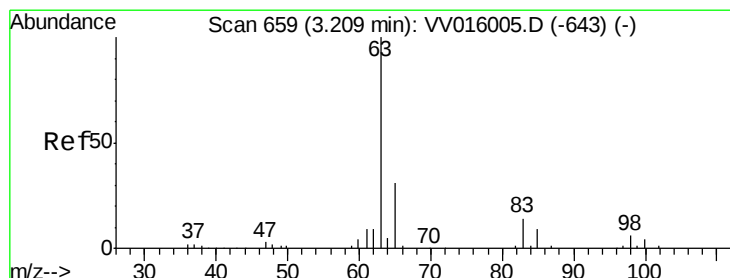
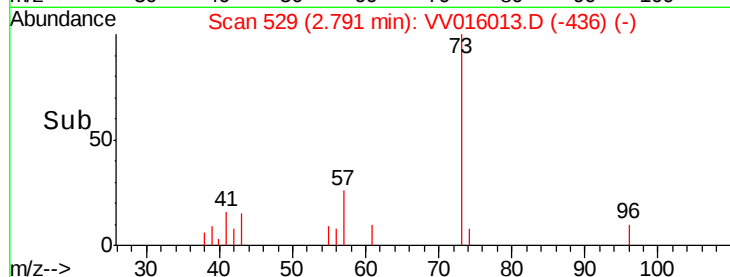
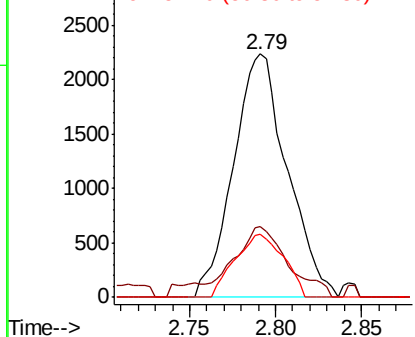
#17
Methvl tert-butvl Ether
Concen: 0.248 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV016013.D
Acq: 12 May 2020 14:43

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 4846
Ion Ratio Lower Upper
73 100
43 28.9 18.8 28.2#
57 23.3 17.8 26.6

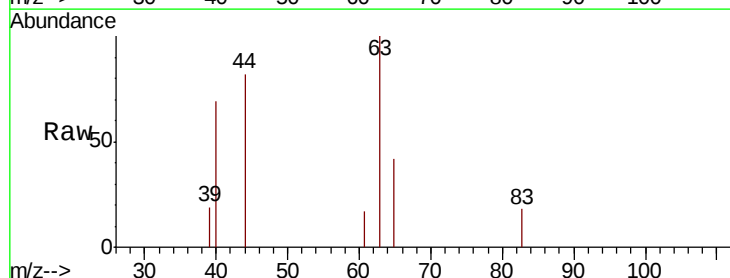


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

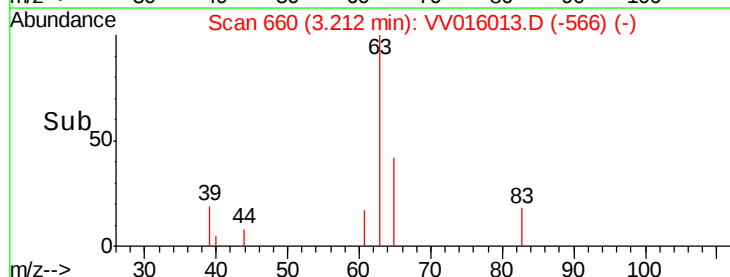
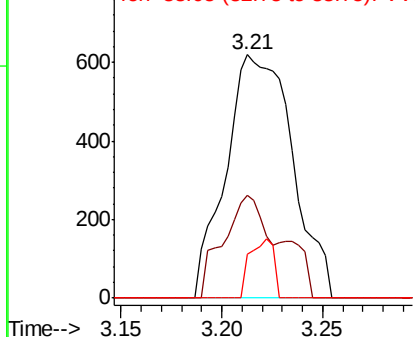


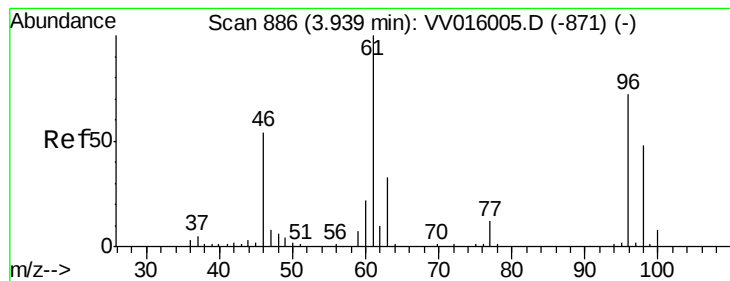
#19
1,1-Dichloroethane
Concen: 0.089 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.00 min
Lab File: VV016013.D
Acq: 12 May 2020 14:43

Tgt Ion: 63 Resp: 1425
Ion Ratio Lower Upper
63 100
65 42.4 22.0 41.0#
83 17.9 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



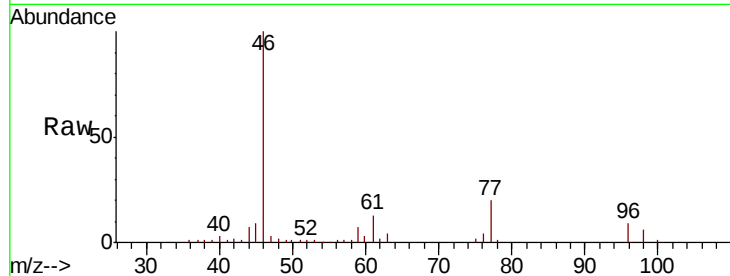


#22

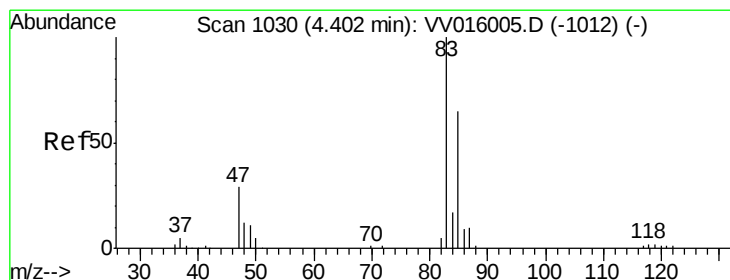
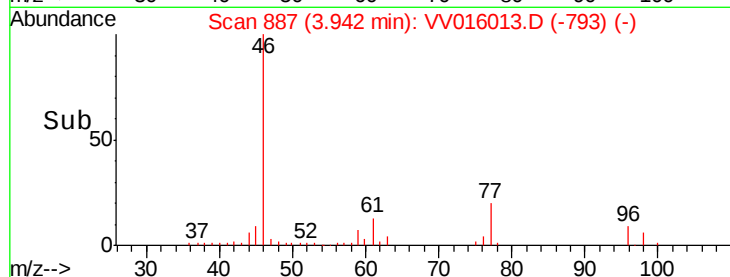
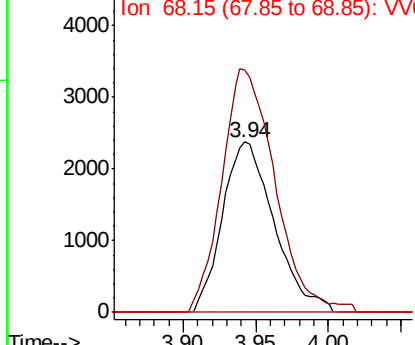
cis-1,2-Dichloroethene
 Concen: 0.679 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VV016013.D
 Acq: 12 May 2020 14:43

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 5902
 Ion Ratio Lower Upper
 96 100
 61 142.2 97.2 180.6
 68 0.0 0.0 0.0



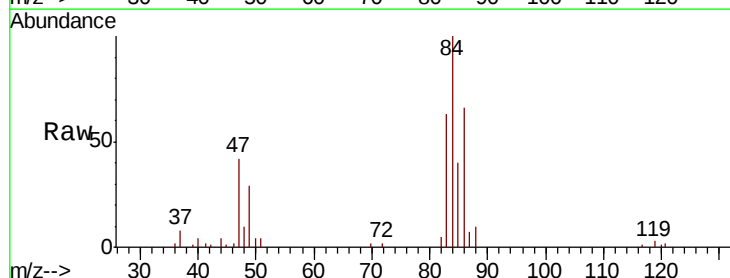
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



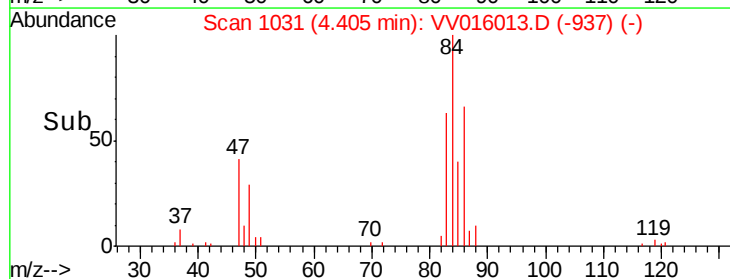
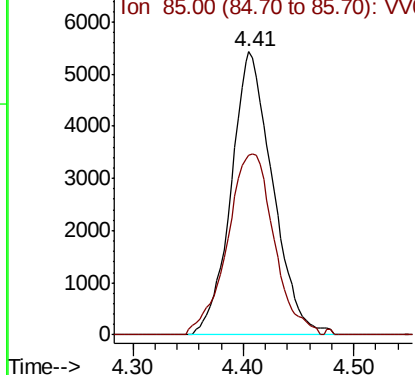
#25

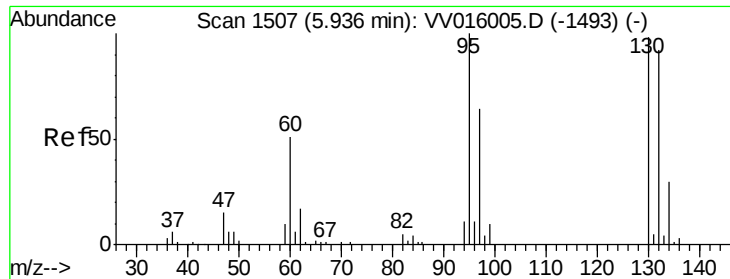
Chloroform
 Concen: 0.805 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VV016013.D
 Acq: 12 May 2020 14:43

Tgt Ion: 83 Resp: 14190
 Ion Ratio Lower Upper
 83 100
 85 63.3 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 1.771 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV016013.D

Acq: 12 May 2020 14:43

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 17240

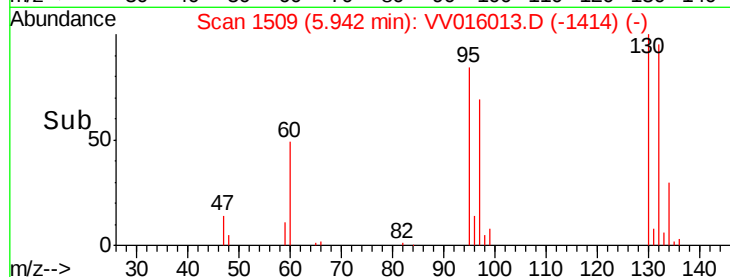
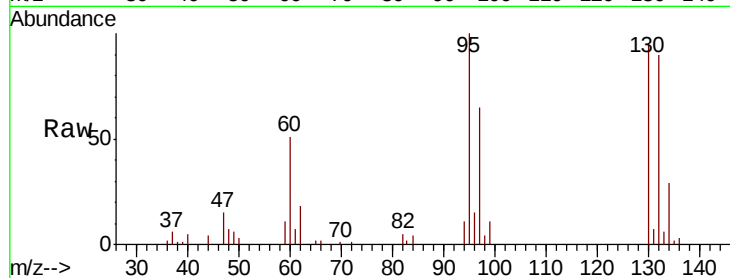
Ion Ratio Lower Upper

95 100

97 65.2 43.3 80.5

132 90.0 60.3 112.1

130 94.9 66.0 122.6



Abundance Ion 95.00 (94.70 to 95.70): VV016013.D (-1414) (-)

Ion 96.95 (96.65 to 97.65): VV016013.D (-1414) (-)

Ion 131.95 (131.65 to 132.65): VV016013.D (-1414) (-)

Ion 129.95 (129.65 to 130.65): VV016013.D (-1414) (-)

Time-->

5.94

8000

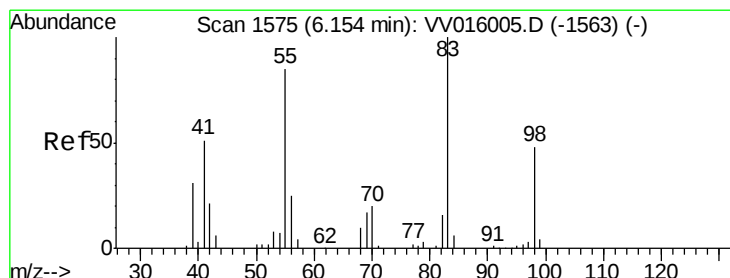
6000

4000

2000

0

5.90 5.95 6.00



#35

Methylcyclohexane

Concen: 0.817 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.06 min

Lab File: VV016013.D

Acq: 12 May 2020 14:43

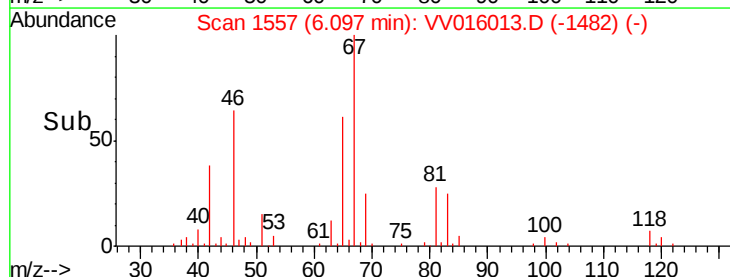
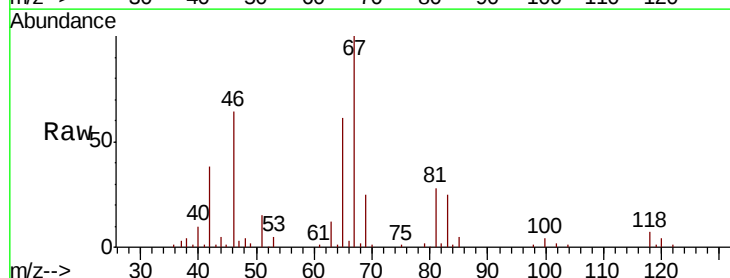
Tgt Ion: 83 Resp: 12032

Ion Ratio Lower Upper

83 100

55 0.0 66.2 99.2#

98 0.7 37.9 56.9#



Abundance Ion 83.15 (82.85 to 83.85): VV016013.D (-1482) (-)

Ion 55.10 (54.80 to 55.80): VV016013.D (-1482) (-)

Ion 98.15 (97.85 to 98.85): VV016013.D (-1482) (-)

Time-->

6.10

8000

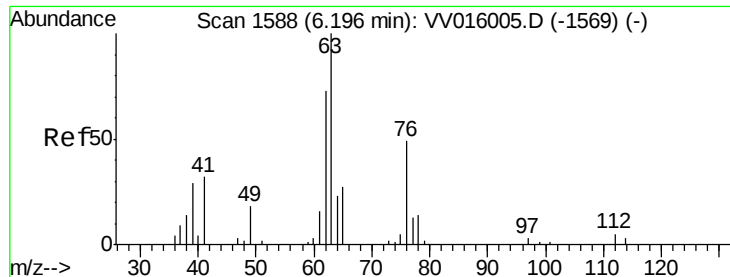
6000

4000

2000

0

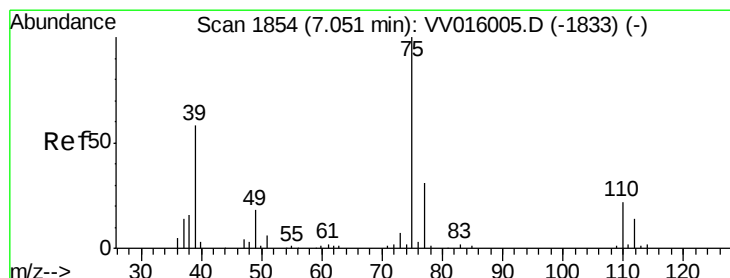
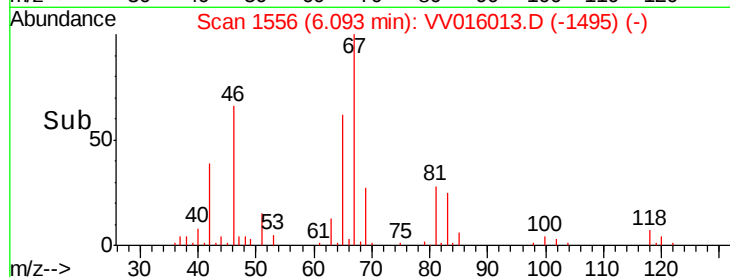
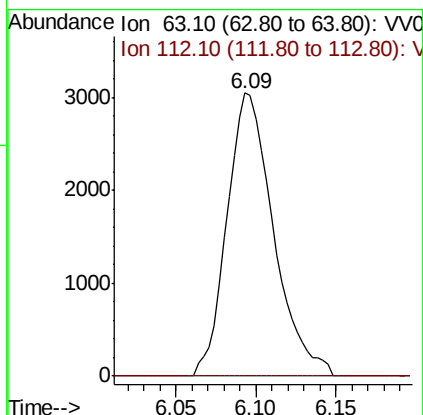
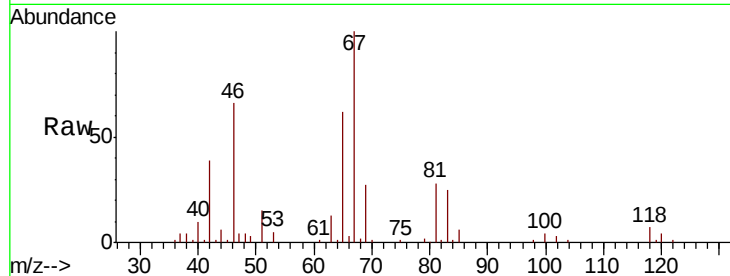
6.05 6.10 6.15



#37
 1,2-Dichloropropane
 Concen: 0.699 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV016013.D
 Acq: 12 May 2020 14:43

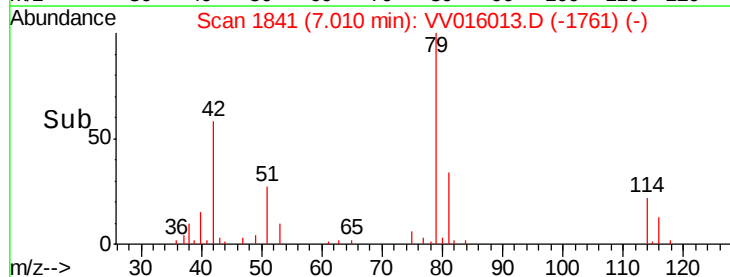
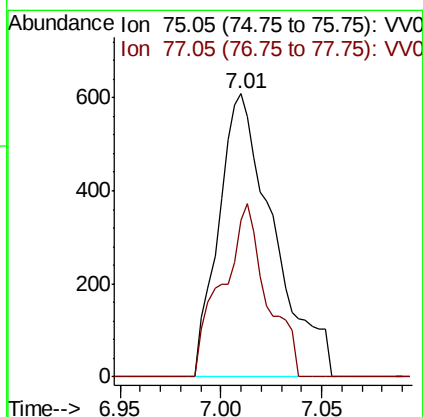
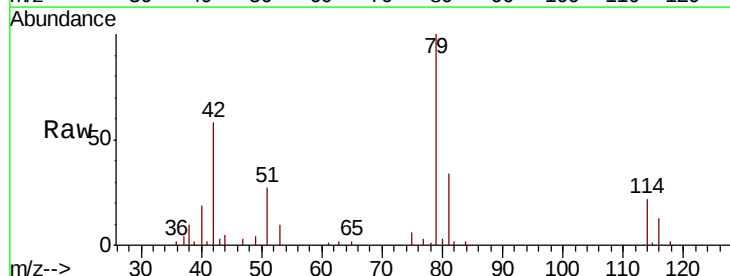
Instrument :
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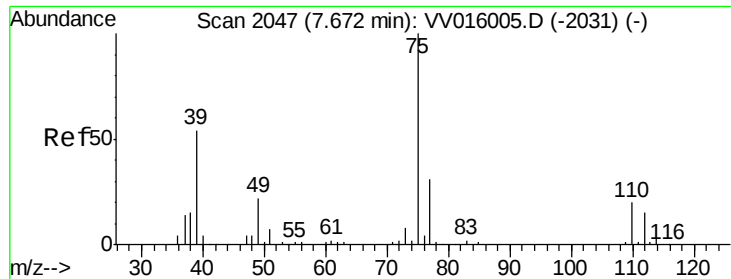
Tot Ion: 63 Resp: 6053
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.094 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV016013.D
 Acq: 12 May 2020 14:43

Tgt Ion: 75 Resp: 1154
 Ion Ratio Lower Upper
 75 100
 77 55.4 21.3 39.5#

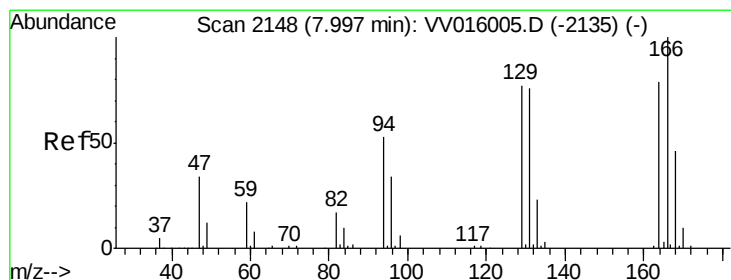
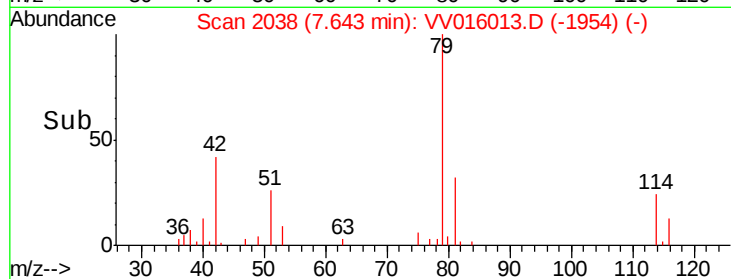
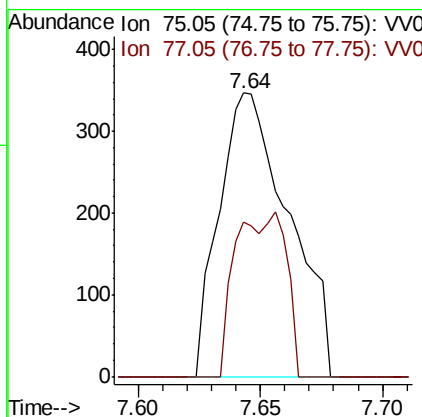
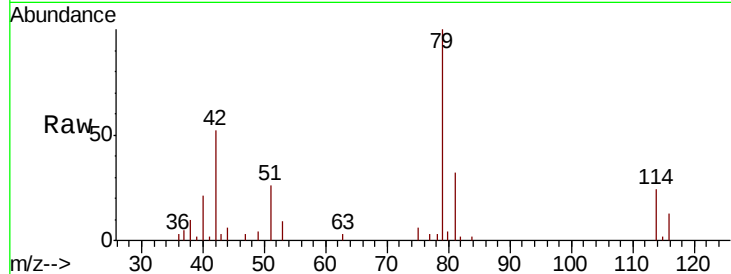




#46
trans-1,3-Dichloropropene
Concen: 0.066 ug/L
RT: 7.64 min Scan# 2038
Delta R.T. -0.03 min
Lab File: VV016013.D
Acq: 12 May 2020 14:43

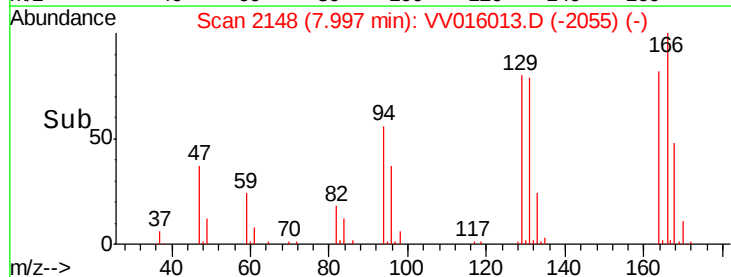
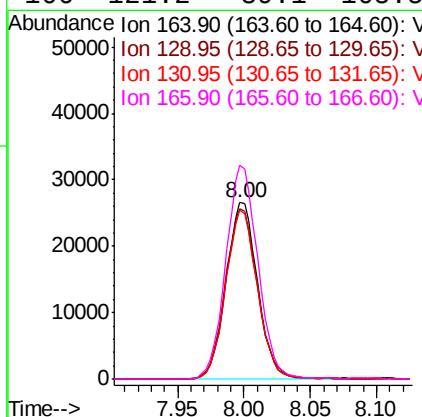
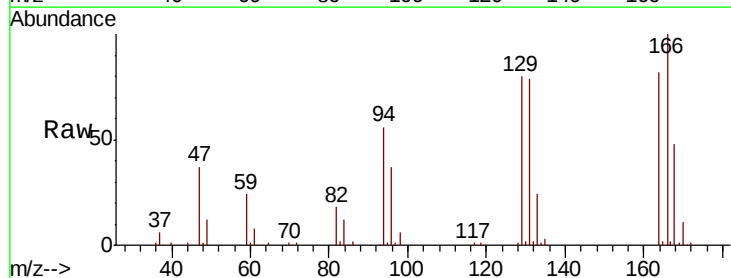
Instrument :
MSVOA_V
ClientSampleId :

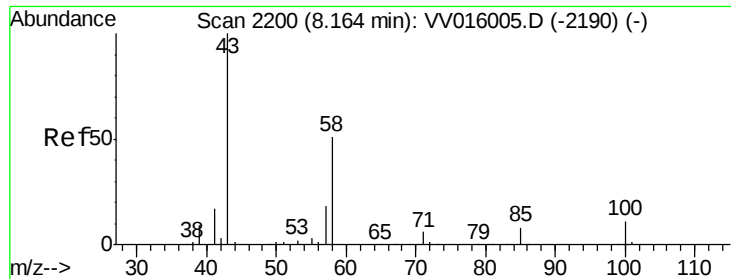
Tot Ion: 75 Resp: 685
Ion Ratio Lower Upper
75 100
77 54.5 21.3 39.6#



#49
Tetrachloroethene
Concen: 6.456 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV016013.D
Acq: 12 May 2020 14:43

Tgt Ion:164 Resp: 43854
Ion Ratio Lower Upper
164 100
129 96.9 69.7 129.4
131 95.7 66.8 124.2
166 121.2 89.1 165.5

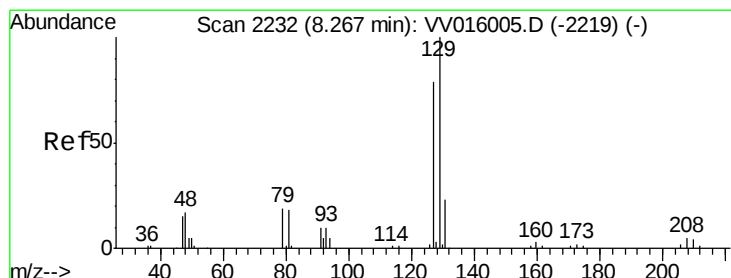
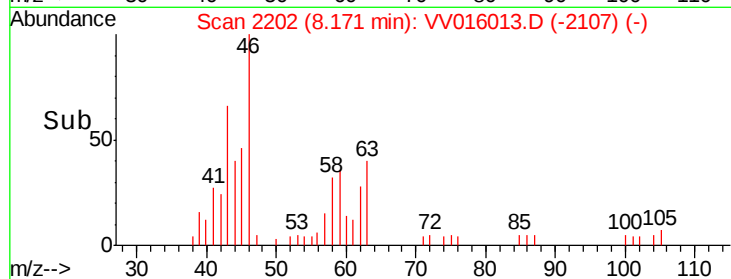
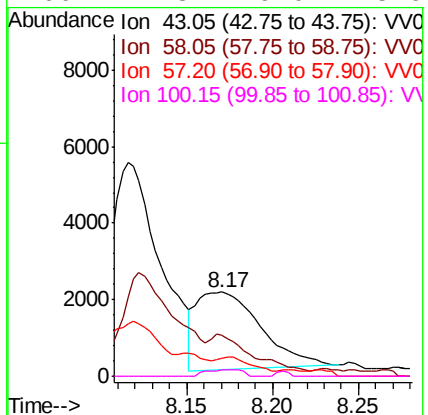
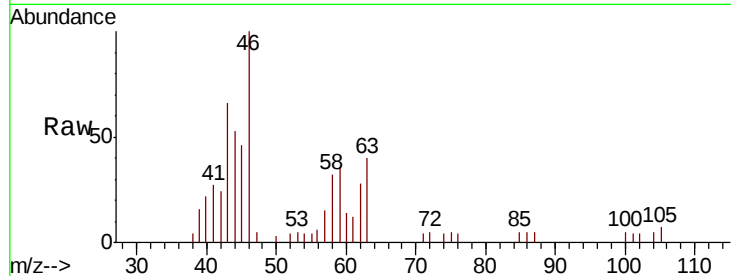




#50
2-Hexanone
Concen: 1.398 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV016013.D
Acq: 12 May 2020 14:43

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 5338
Ion Ratio Lower Upper
43 100
58 30.4 40.8 61.2#
57 8.2 14.7 22.1#
100 4.8 9.0 13.6#



#51
Dibromochloromethane
Concen: 6.517 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV016013.D
Acq: 12 May 2020 14:43

Tgt Ion: 129 Resp: 42374
Ion Ratio Lower Upper
129 100
127 0.0 56.0 104.0#

