

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042320\
 Data File : VV015661.D
 Acq On : 23 Apr 2020 14:37
 Operator : SY/MD
 Sample : L2393-02
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 24 03:31:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 24 03:28:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	119911	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	115778	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	55128	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	30033	4.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.80%
7) Chloroethane-d5	1.57	69	30023	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.12	63	49383	3.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.00%
20) 2-Butanone-d5	3.95	46	107271	53.31	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.62%
24) Chloroform-d	4.38	84	74268	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.06	65	43962	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
32) Benzene-d6	5.07	84	142222	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.09	67	45927	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.34	98	128943	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
43) trans-1,3-Dichloropropene-	7.64	79	15400	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.11	63	80632	48.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.84%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	32143	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	50352	5.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.40%

Target Compounds

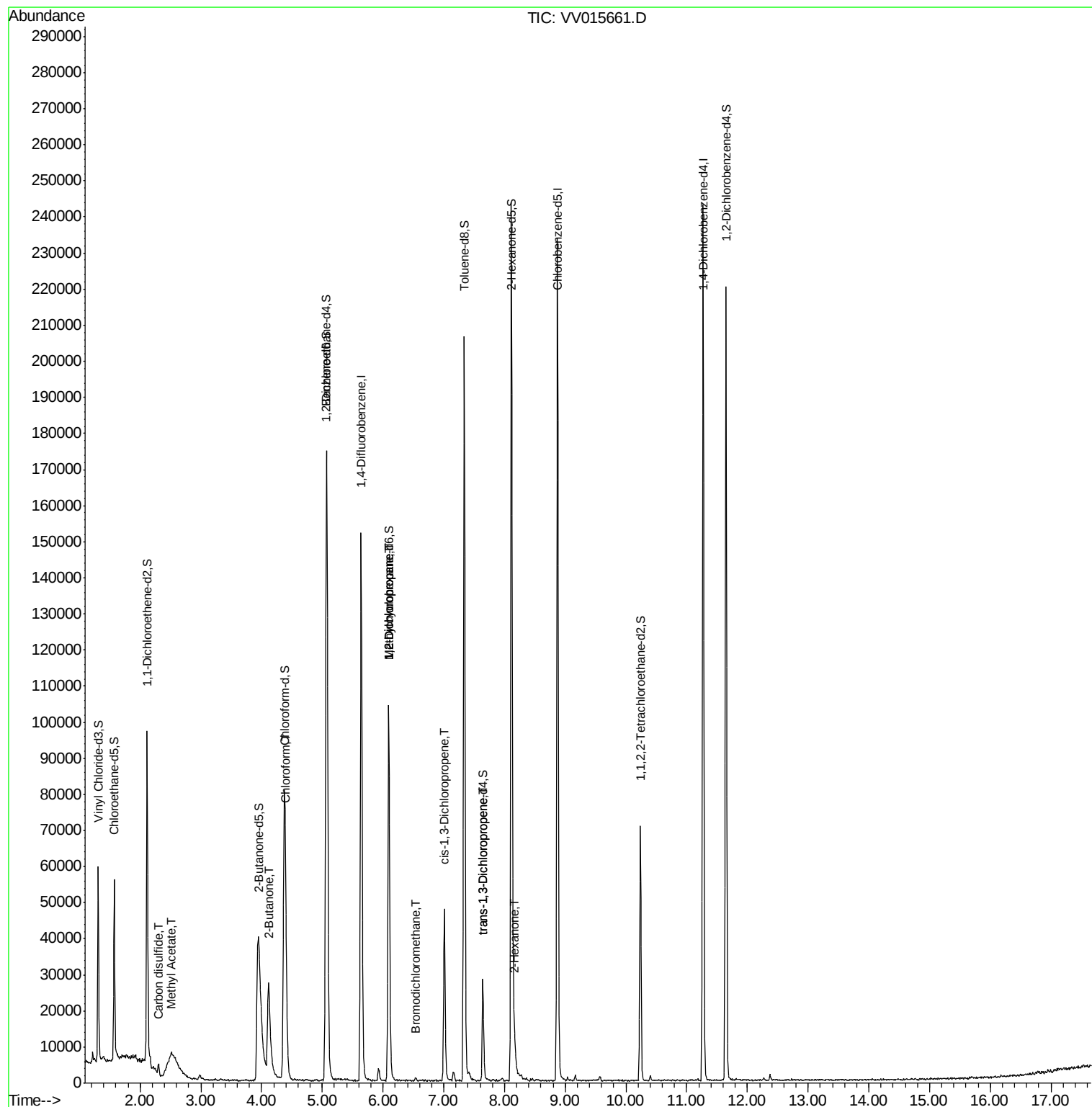
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
14) Carbon disulfide	2.30	76	3151	0.160	ug/L	99
15) Methyl Acetate	2.50	43	3059	0.921	ug/L #	56
21) 2-Butanone	4.12	43	50325	23.351	ug/L #	51
25) Chloroform	4.40	83	24640	1.513	ug/L	97
35) Methylcyclohexane	6.09	83	11619	0.829	ug/L #	16
37) 1,2-Dichloropropane	6.09	63	5769	0.686	ug/L #	86
38) Bromodichloromethane	6.53	83	696	0.065	ug/L #	78
39) cis-1,3-Dichloropropene	7.01	75	1312	0.112	ug/L #	69
44) trans-1,3-Dichloropropene	7.64	75	783	0.080	ug/L #	82
48) 2-Hexanone	8.17	43	4664	1.199	ug/L #	82

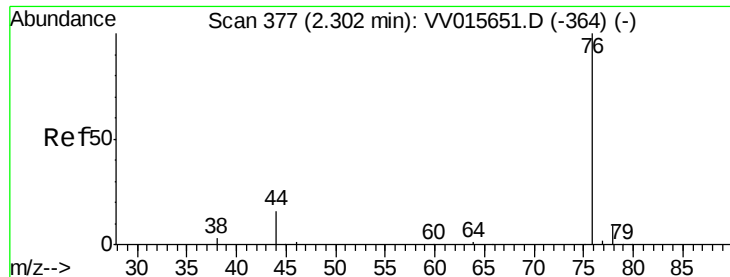
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#14

Carbon disulfide

Concen: 0.160 ug/L

RT: 2.30 min Scan# 377

Delta R.T. 0.00 min

Lab File: VV015661.D

Acq: 23 Apr 2020 14:37

Instrument :

MSVOA_V

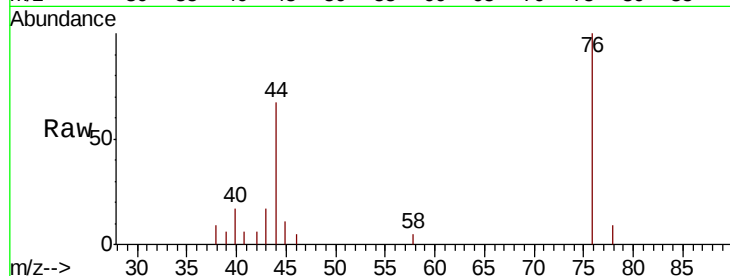
ClientSampleId :

Tot Ion: 76 Resp: 3151

Ion Ratio Lower Upper

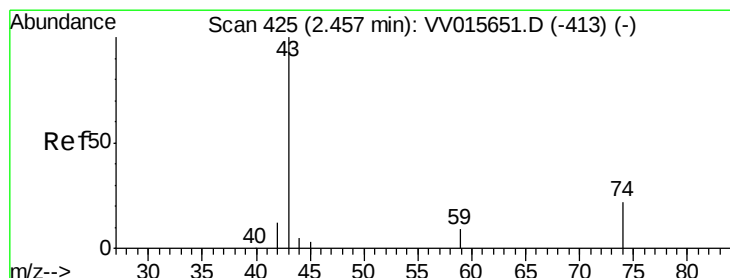
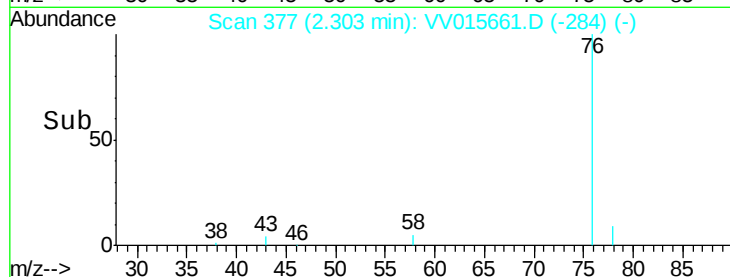
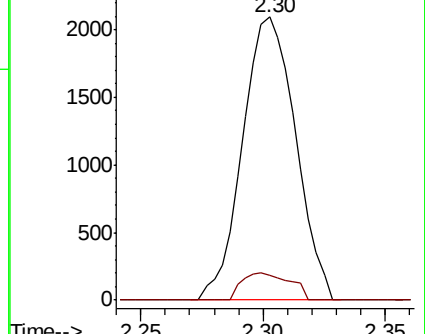
76 100

78 8.7 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#15

Methyl Acetate

Concen: 0.921 ug/L

RT: 2.50 min Scan# 438

Delta R.T. 0.04 min

Lab File: VV015661.D

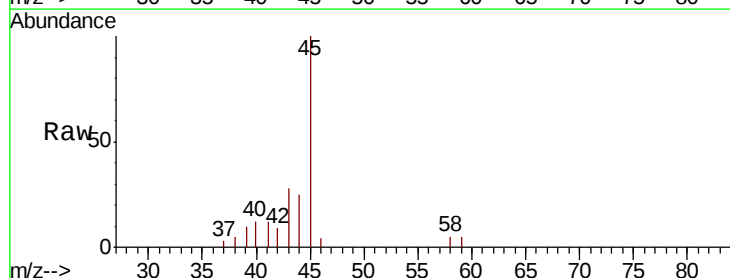
Acq: 23 Apr 2020 14:37

Tgt Ion: 43 Resp: 3059

Ion Ratio Lower Upper

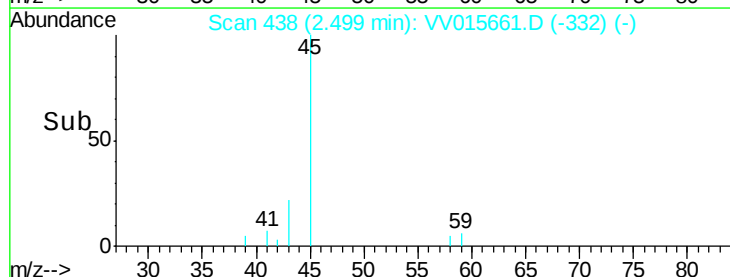
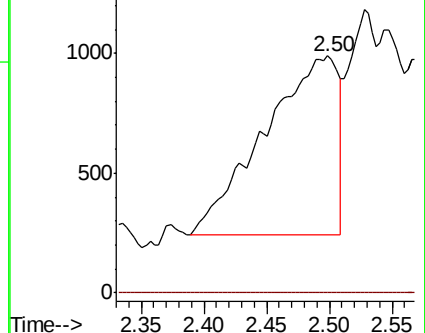
43 100

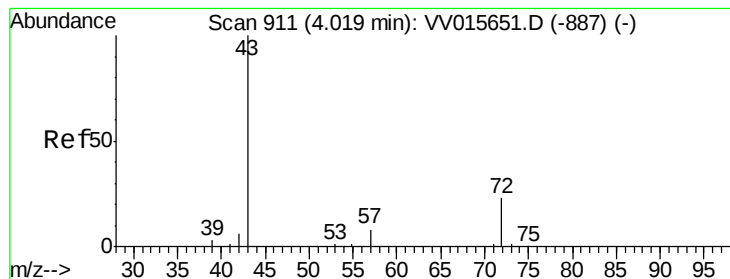
74 0.0 16.3 24.5#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0





#21

2-Butanone

Concen: 23.351 ug/L

RT: 4.12 min Scan# 941

Delta R.T. 0.10 min

Lab File: VV015661.D

Acq: 23 Apr 2020 14:37

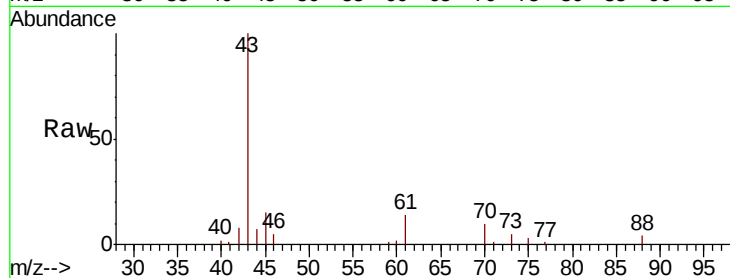
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 50325

Ion Ratio Lower Upper

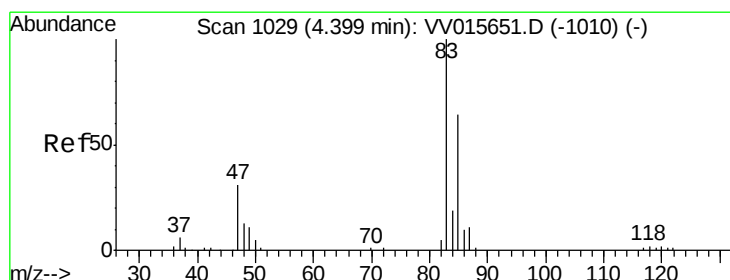
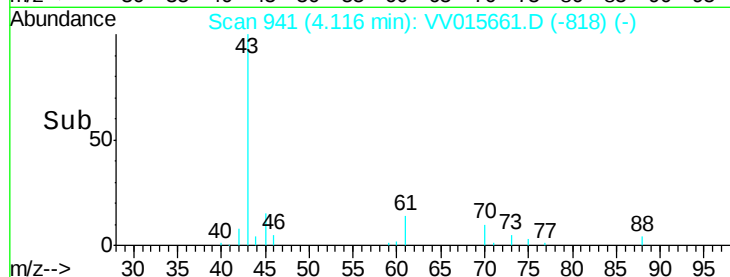
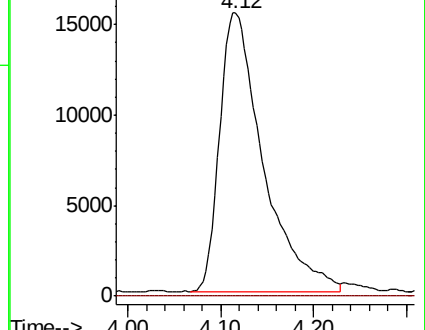
43 100

72 0.0 12.3 36.9#



Abundance Ion 43.00 (42.70 to 43.70): VV015661.D (-941) (-)

Ion 72.00 (71.70 to 72.70): VV015661.D (-941) (-)



#25

Chloroform

Concen: 1.513 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV015661.D

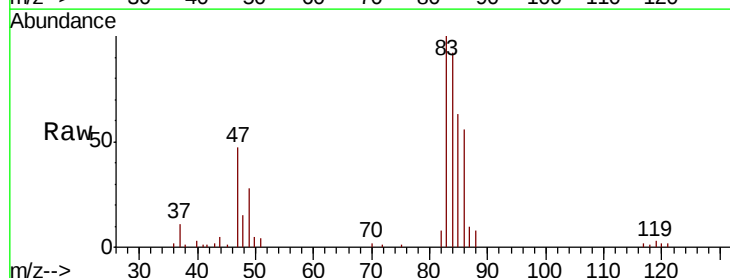
Acq: 23 Apr 2020 14:37

Tgt Ion: 83 Resp: 24640

Ion Ratio Lower Upper

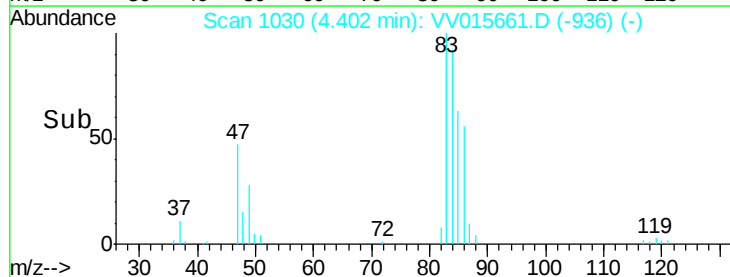
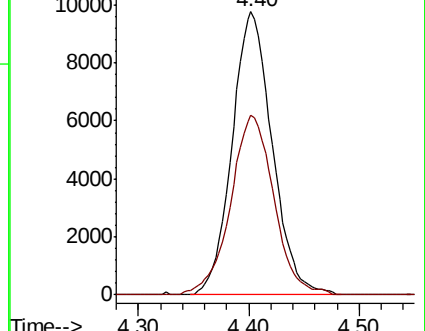
83 100

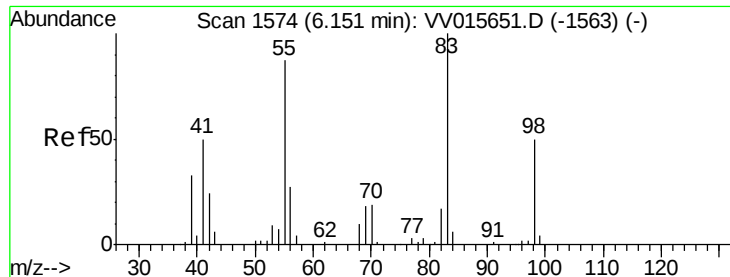
85 63.3 46.1 85.5



Abundance Ion 83.05 (82.75 to 83.75): VV015661.D (-936) (-)

Ion 85.00 (84.70 to 85.70): VV015661.D (-936) (-)

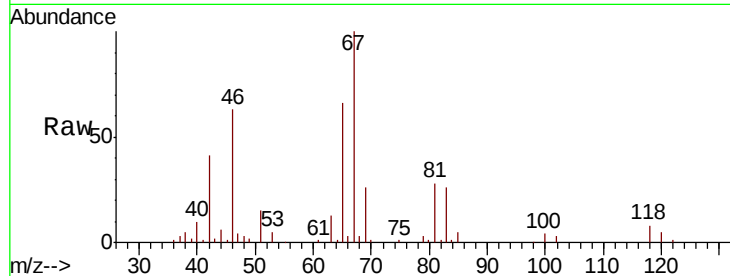




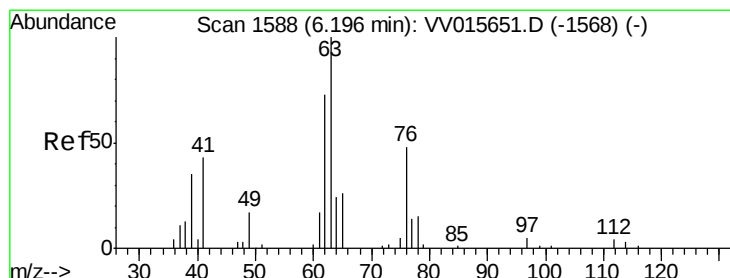
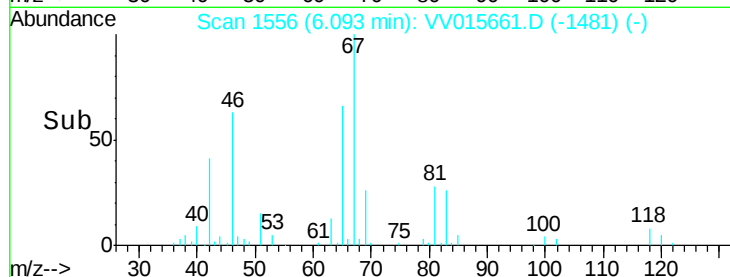
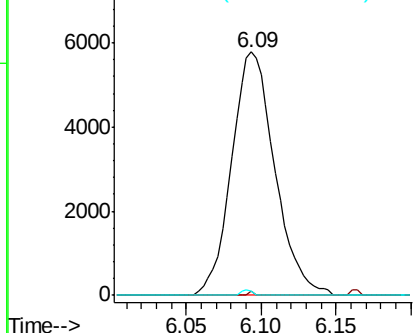
#35
Methvlcvclohexane
Concen: 0.829 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV015661.D
Acq: 23 Apr 2020 14:37

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 11619
Ion Ratio Lower Upper
83 100
55 0.2 66.6 99.8#
98 0.6 39.5 59.3#

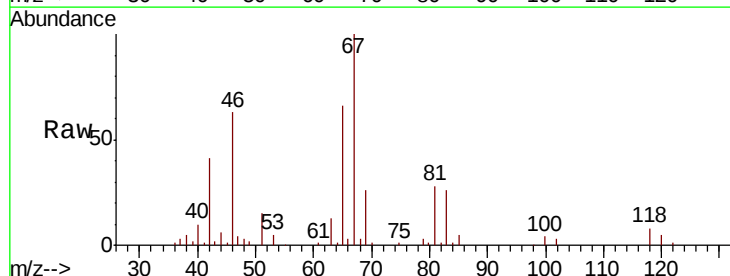


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

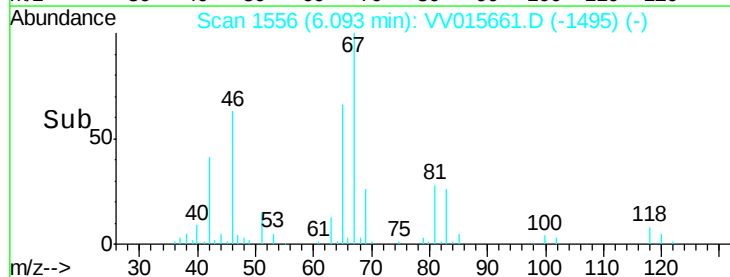
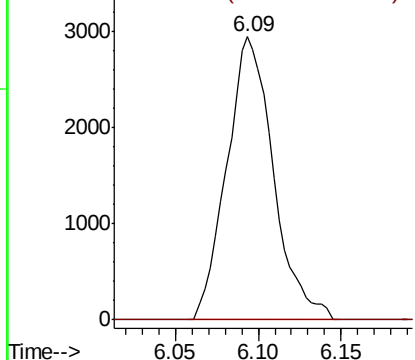


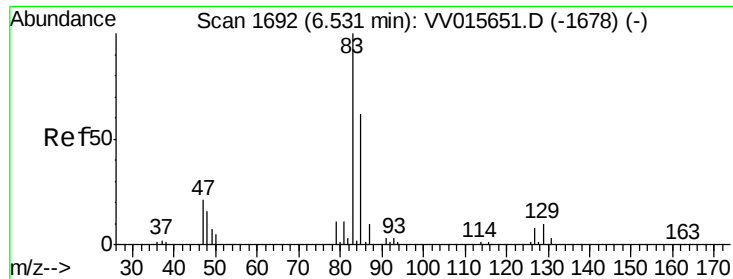
#37
1,2-Dichloropropane
Concen: 0.686 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV015661.D
Acq: 23 Apr 2020 14:37

Tgt Ion: 63 Resp: 5769
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.065 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV015661.D

Acq: 23 Apr 2020 14:37

Instrument :

MSVOA_V

ClientSampleId :

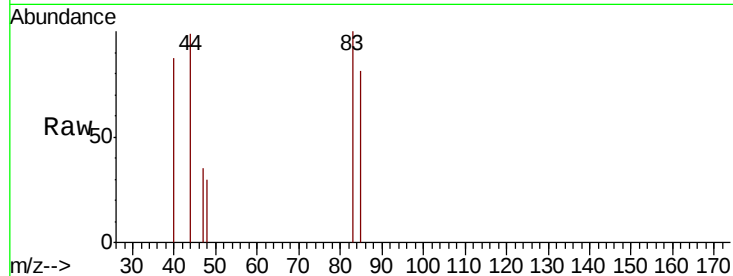
Tot Ion: 83 Resp: 696

Ion Ratio Lower Upper

83 100

85 81.0 44.7 83.1

127 0.0 5.8 8.6#



Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): VV0

6.53

400

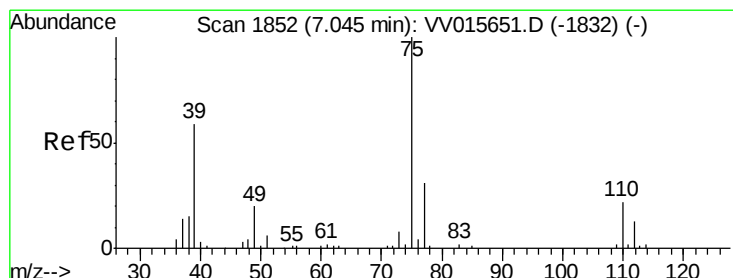
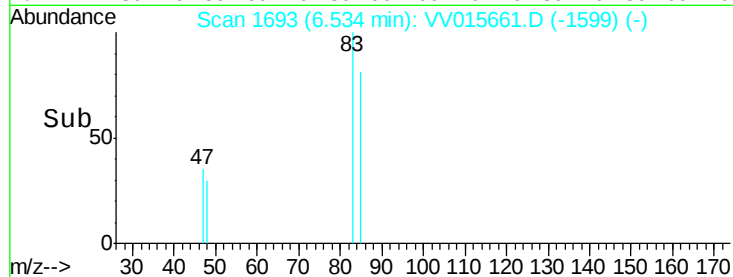
300

200

100

0

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.112 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV015661.D

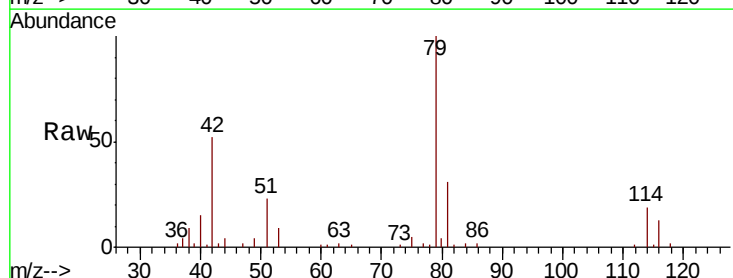
Acq: 23 Apr 2020 14:37

Tgt Ion: 75 Resp: 1312

Ion Ratio Lower Upper

75 100

77 49.3 22.3 41.5#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

800

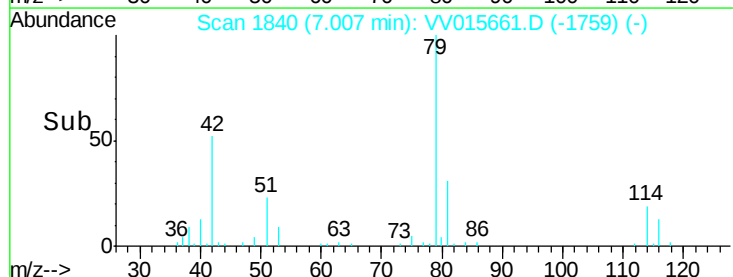
600

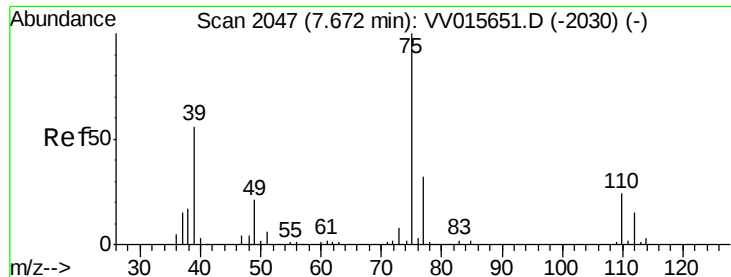
400

200

0

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV015661.D

Acq: 23 Apr 2020 14:37

Instrument :

MSVOA_V

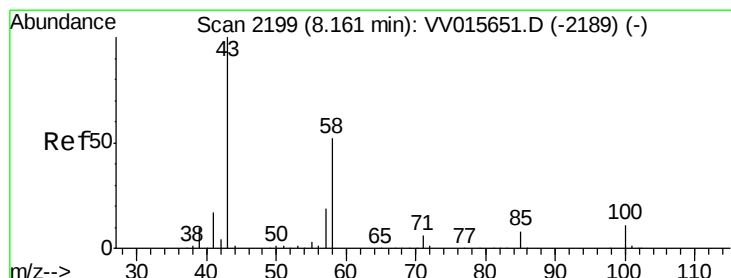
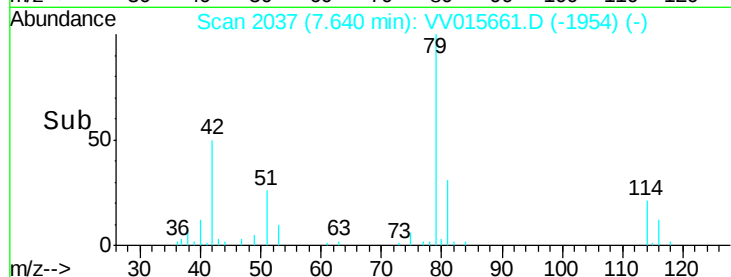
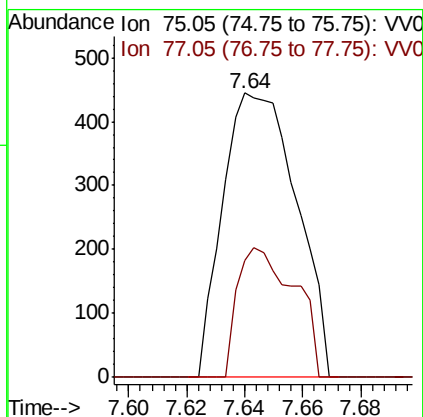
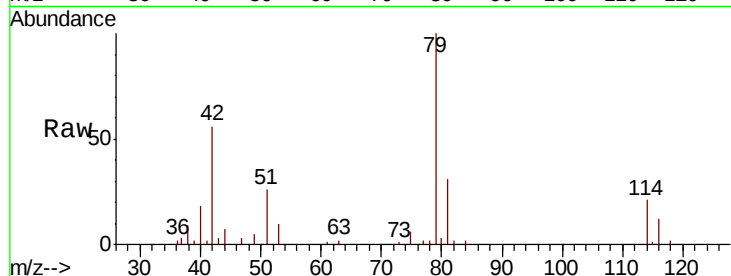
ClientSampled :

Tot Ion: 75 Resp: 783

Ion Ratio Lower Upper

75 100

77 41.1 21.8 40.6#



#48

2-Hexanone

Concen: 1.199 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV015661.D

Acq: 23 Apr 2020 14:37

Tgt Ion: 43 Resp: 4664

Ion Ratio Lower Upper

43 100

58 33.9 41.1 61.7#

57 21.0 15.0 22.4

100 8.3 9.0 13.4#

