

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102619\
 Data File : VV013377.D
 Acq On : 26 Oct 2019 16:41
 Operator : SY/MD
 Sample : K5567-05
 Misc : 25.0ML/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 29 13:50:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 29 13:11:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	350989	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	387374	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	192235	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	175747	6.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	135.80%#
7) Chloroethane-d5	1.58	69	147182	6.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	137.80%#
11) 1,1-Dichloroethene-d2	2.13	63	222325	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.60%
20) 2-Butanone-d5	3.94	46	348916	70.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	140.42%#
24) Chloroform-d	4.40	84	371223	6.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	122.00%
26) 1,2-Dichloroethane-d4	5.08	65	179305	6.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	127.20%
32) Benzene-d6	5.10	84	781017	6.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	124.60%
36) 1,2-Dichloropropane-d6	6.12	67	229634	6.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	121.80%
41) Toluene-d8	7.36	98	667690	5.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.00%
43) trans-1,3-Dichloropropene-	7.66	79	73996	5.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.60%
46) 2-Hexanone-d5	8.13	63	212202	41.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.40%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	147732	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	271362	7.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	145.20%#

Target Compounds

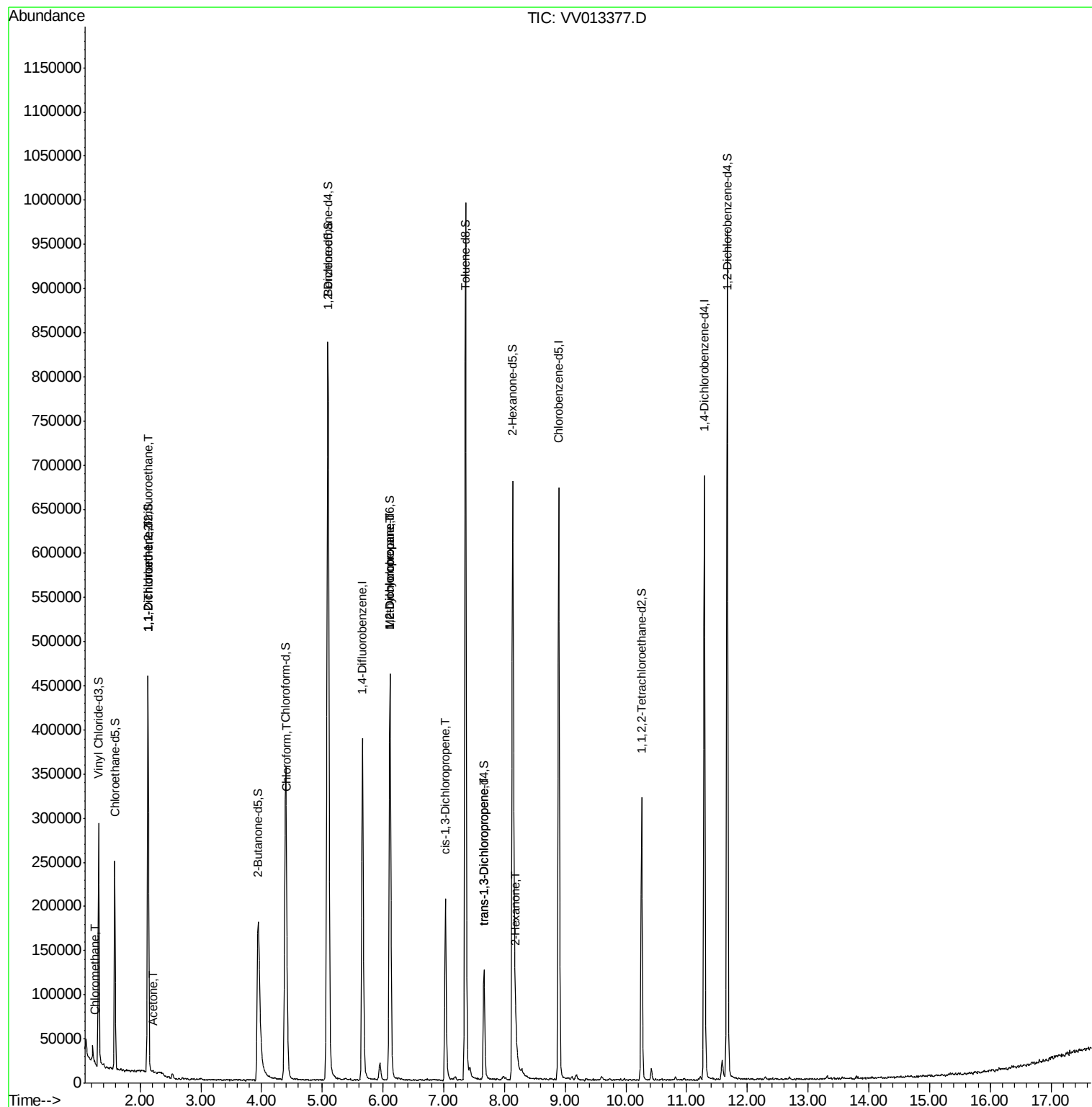
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	3765	0.112	ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2432	0.084	ug/L #	15
12) 1,1-Dichloroethene	2.13	96	2244	0.081	ug/L #	1
13) Acetone	2.21	43	4266	1.660	ug/L	74
25) Chloroform	4.42	83	13123	0.190	ug/L	98
35) Methylcyclohexane	6.11	83	56744	0.929	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	23798	0.662	ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	4926	0.097	ug/L #	49
44) trans-1,3-Dichloropropene	7.66	75	2957	0.077	ug/L #	63
48) 2-Hexanone	8.19	43	26463	2.018	ug/L	91

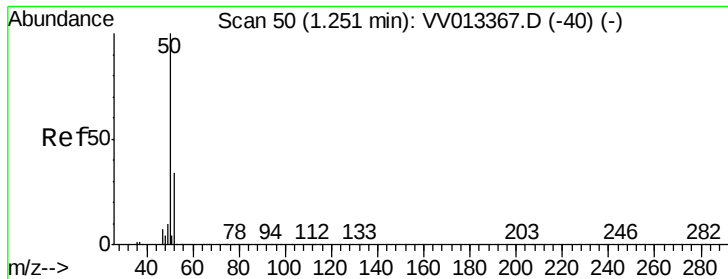
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.112 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013377.D

Acq: 26 Oct 2019 16:41

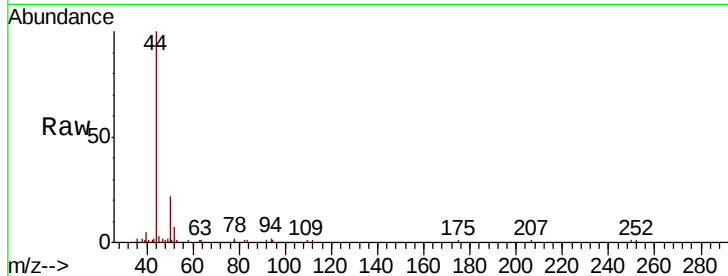
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 3765

Ion Ratio Lower Upper

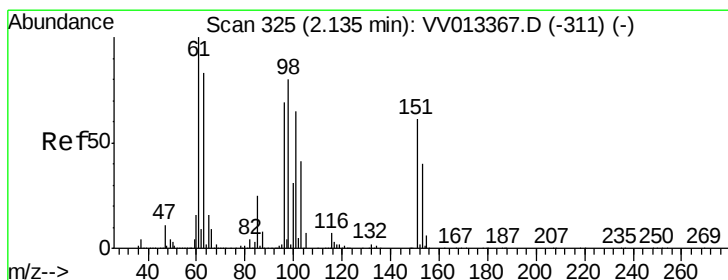
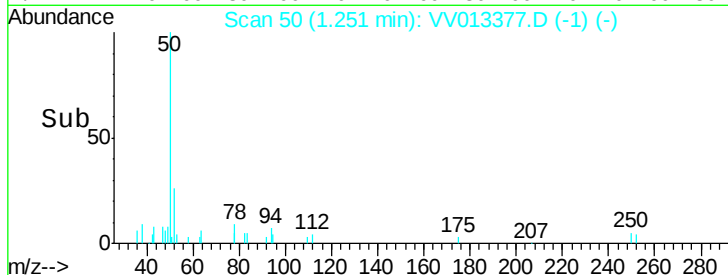
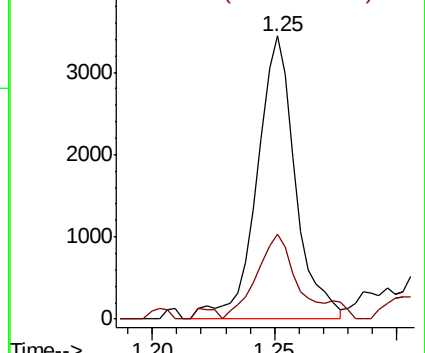
50 100

52 30.1 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#10

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

Concen: 0.084 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013377.D

Acq: 26 Oct 2019 16:41

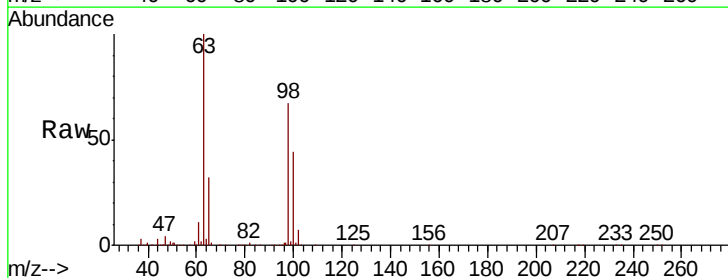
Tgt Ion: 101 Resp: 2432

Ion Ratio Lower Upper

101 100

85 3.0 31.8 47.8#

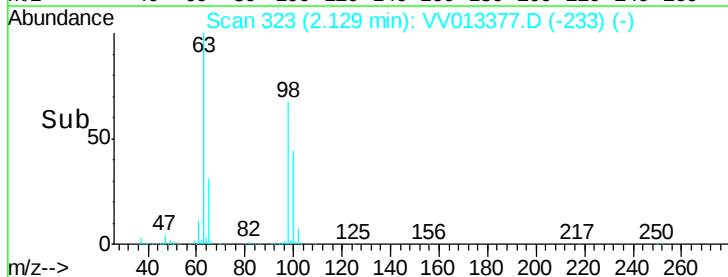
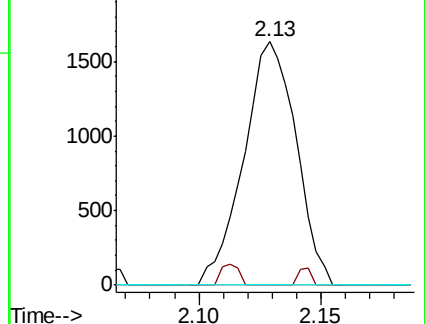
151 0.0 72.9 109.3#

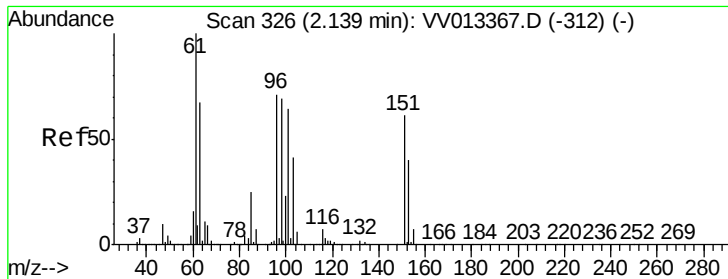


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.081 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV013377.D

Acq: 26 Oct 2019 16:41

Instrument :
MSVOA_V
ClientSampleId :

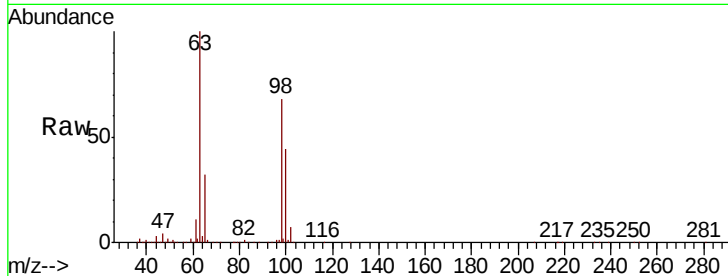
Tot Ion: 96 Resp: 2244

Ion Ratio Lower Upper

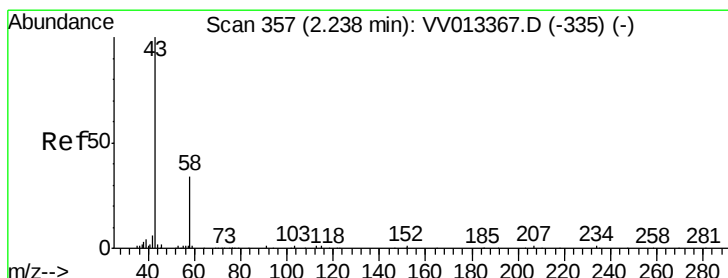
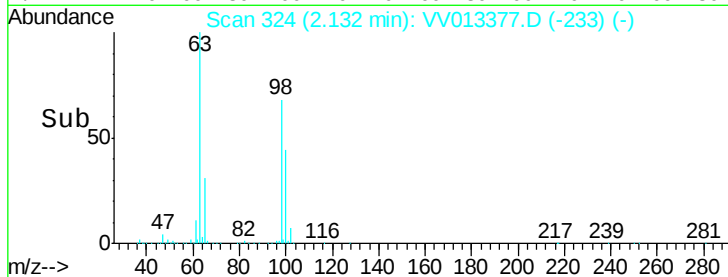
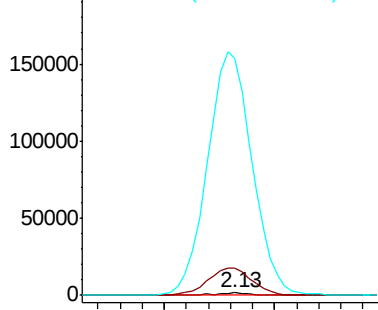
96 100

61 1076.0 104.0 193.1#

63 9473.6 67.1 124.5#



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



#13

Acetone

Concen: 1.660 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.01 min

Lab File: VV013377.D

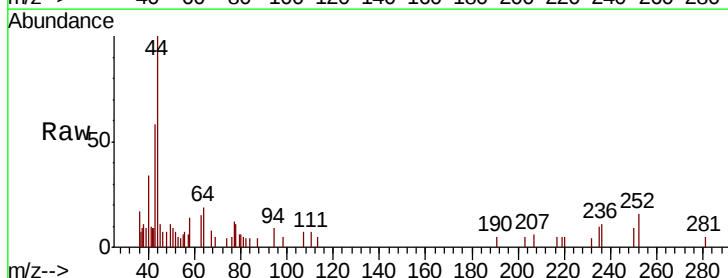
Acq: 26 Oct 2019 16:41

Tgt Ion: 43 Resp: 4266

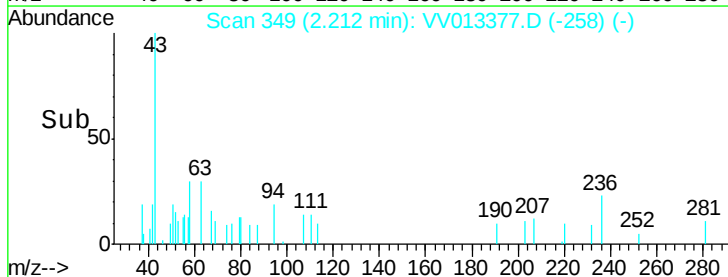
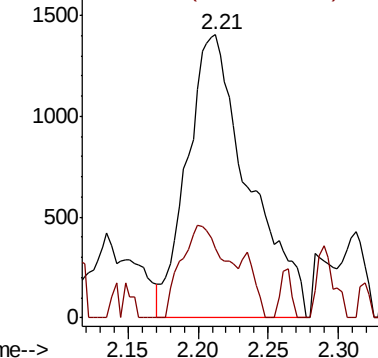
Ion Ratio Lower Upper

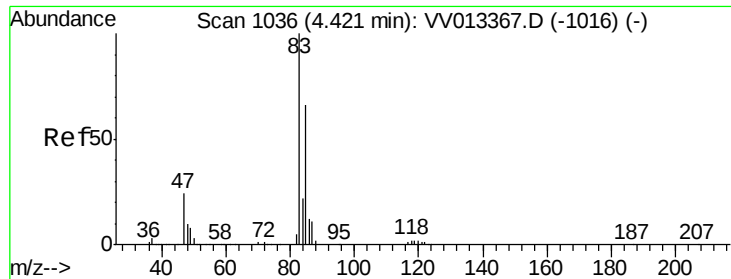
43 100

58 23.3 0.0 26.2



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0





#25

Chloroform

Concen: 0.190 ug/L

RT: 4.42 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VV013377.D

Acq: 26 Oct 2019 16:41

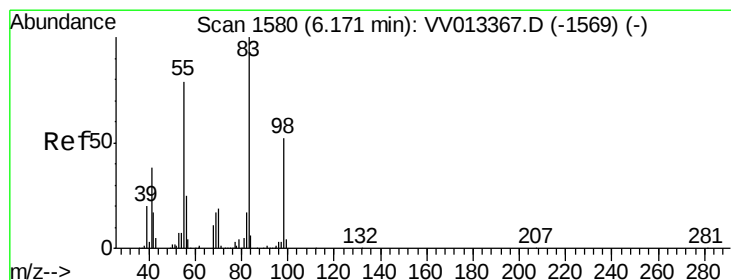
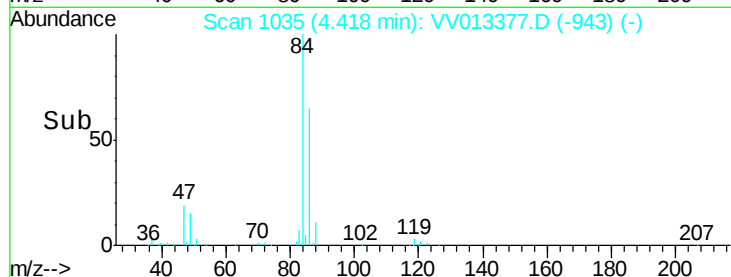
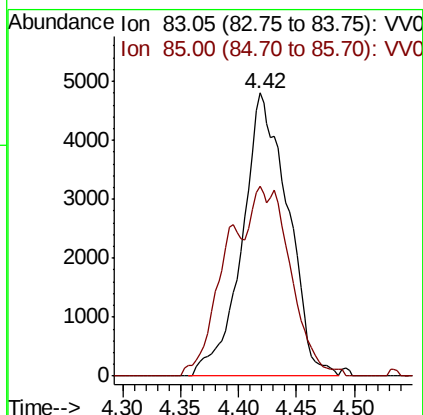
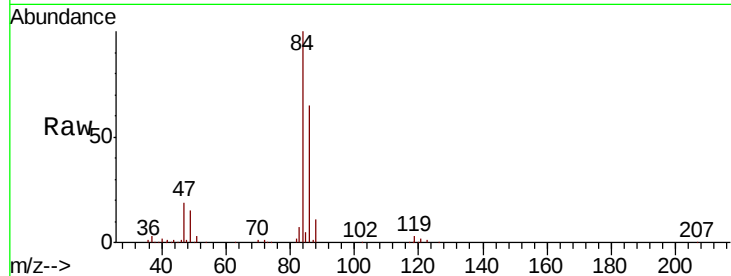
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 13123

Ion Ratio Lower Upper

83 100

85 66.9 45.7 84.9



#35

Methylcyclohexane

Concen: 0.929 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV013377.D

Acq: 26 Oct 2019 16:41

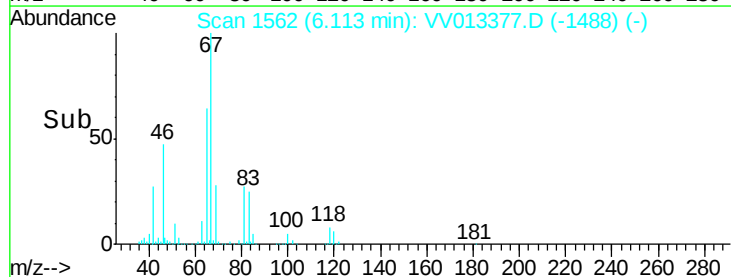
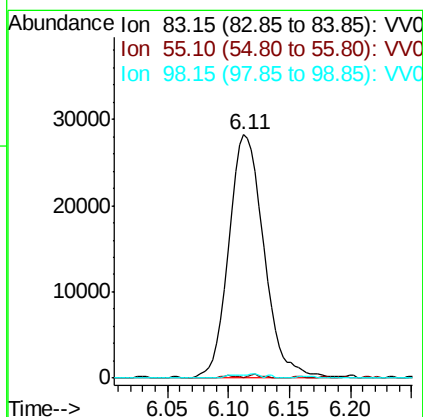
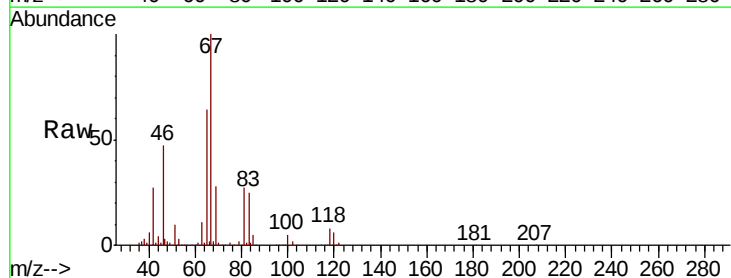
Tgt Ion: 83 Resp: 56744

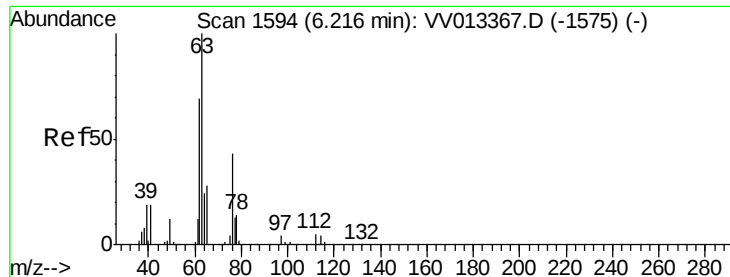
Ion Ratio Lower Upper

83 100

55 0.5 62.4 93.6#

98 0.6 39.2 58.8#





#37

1,2-Dichloropropane

Concen: 0.662 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013377.D

Acq: 26 Oct 2019 16:41

Instrument :

MSVOA_V

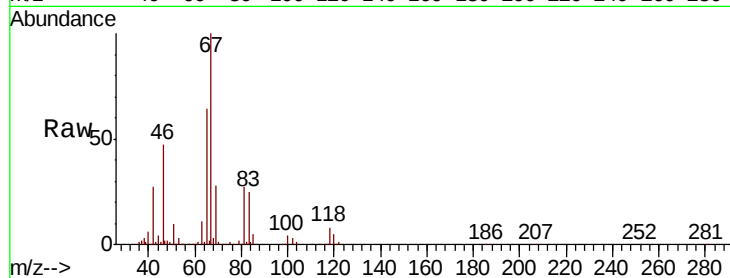
ClientSampled :

Tot Ion: 63 Resp: 23798

Ion Ratio Lower Upper

63 100

112 0.6 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): VV0

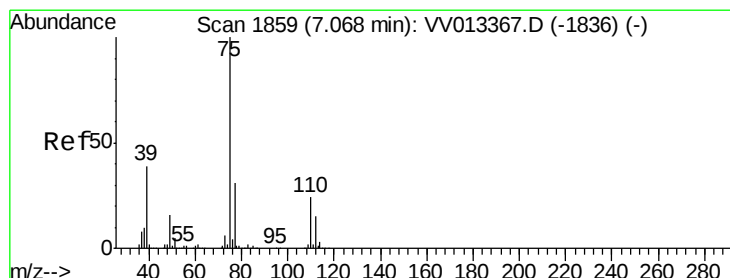
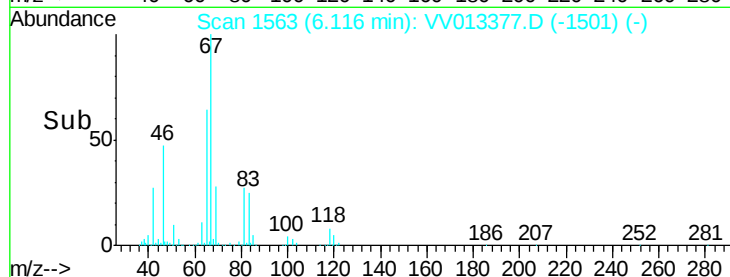
6.12

10000

5000

0

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV013377.D

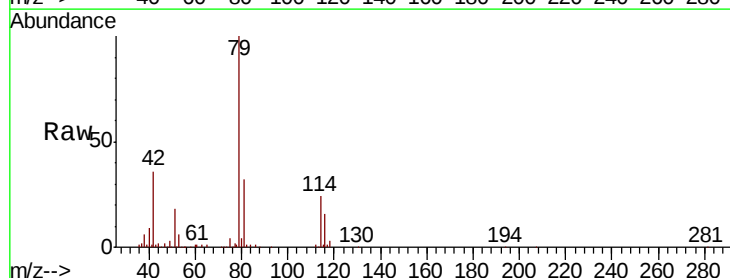
Acq: 26 Oct 2019 16:41

Tgt Ion: 75 Resp: 4926

Ion Ratio Lower Upper

75 100

77 61.0 22.6 42.0#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

3000

2500

2000

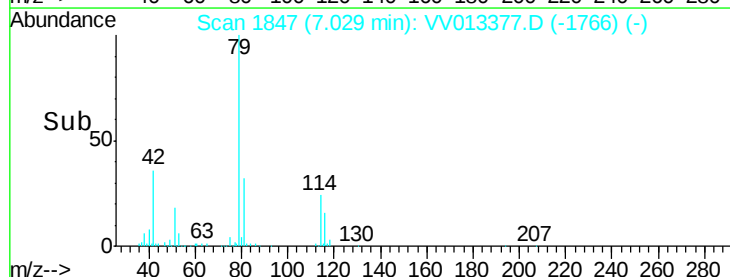
1500

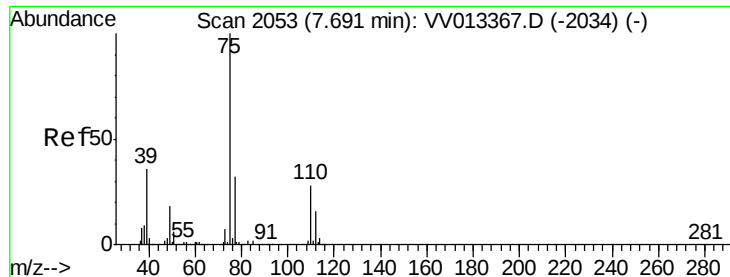
1000

500

0

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.077 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV013377.D

Acq: 26 Oct 2019 16:41

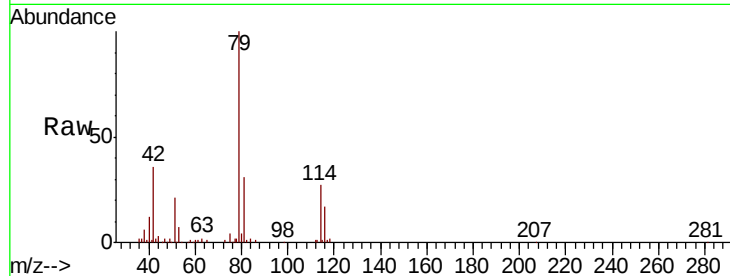
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 2957

Ion Ratio Lower Upper

75 100

77 51.9 21.8 40.6#



Abundance Ion 75.05 (74.75 to 75.75): VV013367.D (-2034) (-)

Ion 77.05 (76.75 to 77.75): VV013367.D (-2034) (-)

7.66

1500

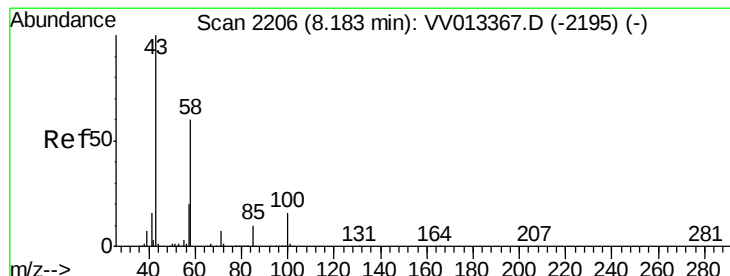
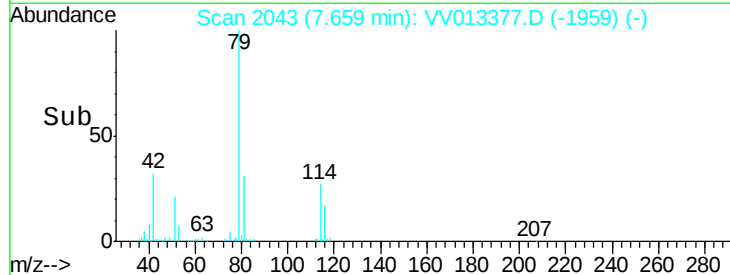
1000

500

0

7.60 7.65 7.70

Time-->



#48

2-Hexanone

Concen: 2.018 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.01 min

Lab File: VV013377.D

Acq: 26 Oct 2019 16:41

Tgt Ion: 43 Resp: 26463

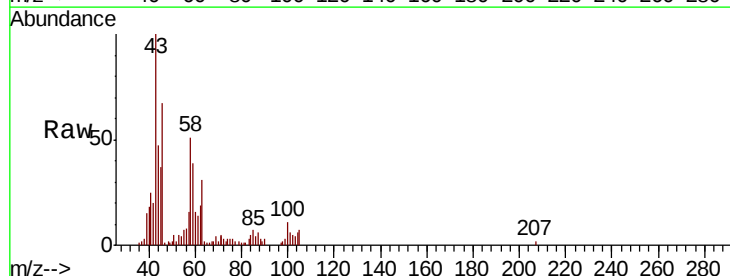
Ion Ratio Lower Upper

43 100

58 48.6 45.1 67.7

57 16.9 15.5 23.3

100 10.8 10.2 15.2



Abundance Ion 43.05 (42.75 to 43.75): VV013367.D (-2195) (-)

Ion 58.05 (57.75 to 58.75): VV013367.D (-2195) (-)

Ion 57.20 (56.90 to 57.90): VV013367.D (-2195) (-)

Ion 100.15 (99.85 to 100.85): VV013367.D (-2195) (-)

20000

15000

10000

5000

0

8.15 8.20 8.25

Time-->

