

Data File : VV012377.D
Acq On : 23 Aug 2019 21:23
Operator : SY/MD
Sample : K4500-03
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GANJ9

Quant Time: Aug 26 08:04:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Aug 26 07:59:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	246058	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	239200	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	95671	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	66612	5.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.40%
7) Chloroethane-d5	1.58	69	47516	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.80%
11) 1,1-Dichloroethene-d2	2.13	63	87859	4.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.40%
20) 2-Butanone-d5	3.93	46	170654	51.49	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.98%
24) Chloroform-d	4.40	84	142260	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	5.08	65	68322	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.10	84	285014	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.12	67	86474	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.36	98	233646	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.67	79	28183	4.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.40%
46) 2-Hexanone-d5	8.13	63	92708	44.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.36%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	53710	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	82501	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	1503	0.093 ug/L	92
6) Bromomethane	1.53	94	574	0.080 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	820	0.075 ug/L #	16
12) 1,1-Dichloroethene	2.14	96	1776	0.180 ug/L #	1
13) Acetone	2.19	43	11874	8.281 ug/L	97
15) Methyl Acetate	2.30	43	4089	1.133 ug/L #	53
18) trans-1,2-Dichloroethene	2.79	96	6802	0.463 ug/L	92
21) 2-Butanone	4.13	43	52972	15.730 ug/L #	52
22) cis-1,2-Dichloroethene	3.96	96	102765	6.419 ug/L #	99
33) Benzene	5.15	78	4866	0.080 ug/L	100
34) Trichloroethene	5.96	95	23683	1.439 ug/L	94
35) Methylcyclohexane	6.12	83	20832	0.806 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	9584	0.620 ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	2075	0.100 ug/L	89
44) trans-1,3-Dichloropropene	7.66	75	1417	0.090 ug/L	88
47) Tetrachloroethene	8.02	164	18040	1.358 ug/L	98
48) 2-Hexanone	8.18	43	18763	3.141 ug/L #	78

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082319\
Quantitation Report (Not Reviewed)

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QLast Update : Mon Aug 26 07:59:52 2019
Response via : Initial Calibration

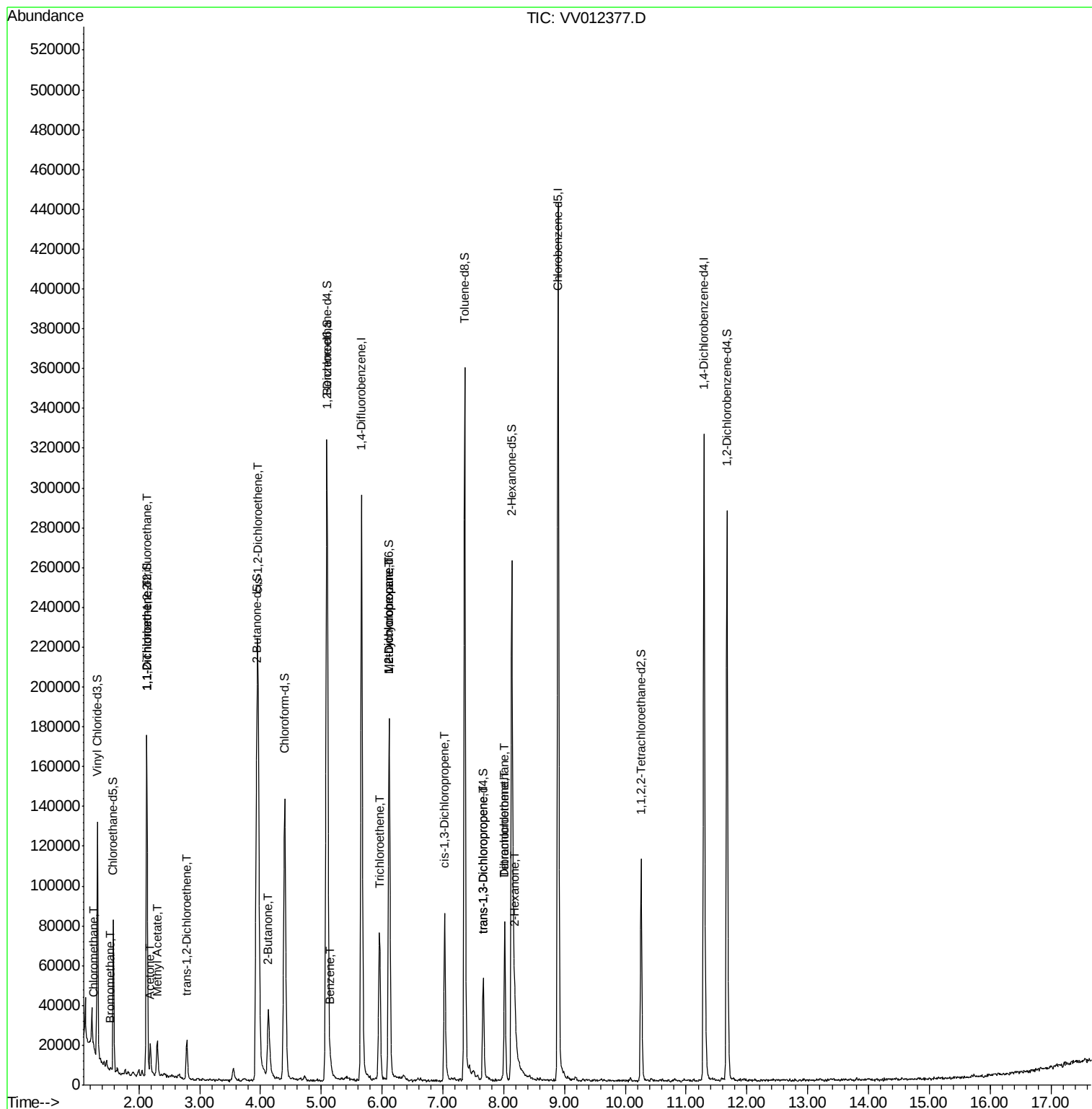
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
49) Dibromochloromethane	8.02	129	15556	1.296	ug/L #	11
-----	-----	-----	-----	-----	-----	-----

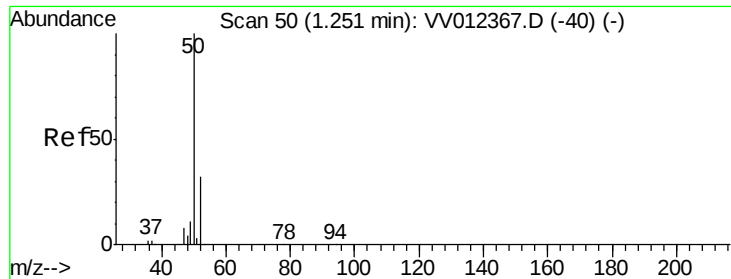
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.093 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012377.D

Acq: 23 Aug 2019 21:23

Instrument :

MSVOA_V

ClientSampleId :

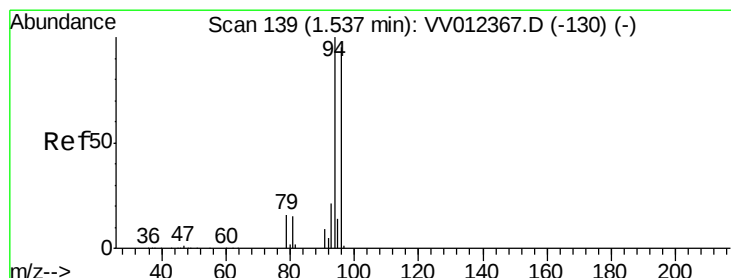
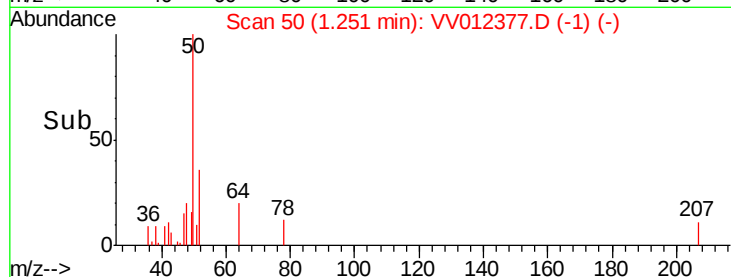
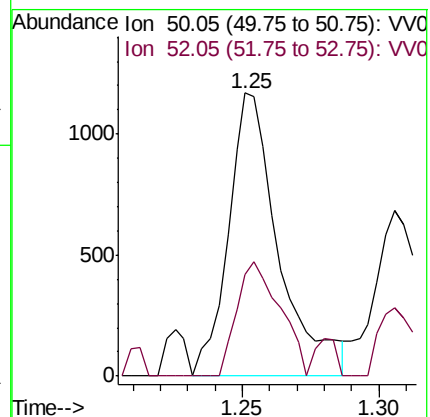
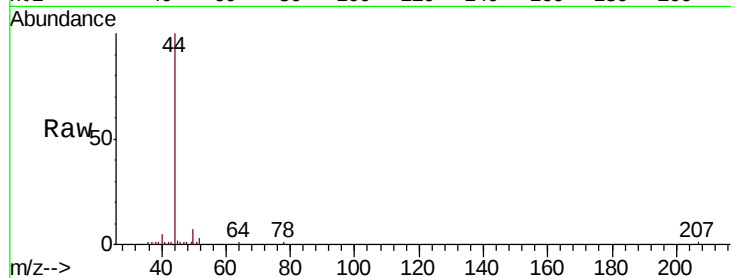
GANJ9

Tgt Ion: 50 Resp: 1503

Ion Ratio Lower Upper

50 100

52 35.9 22.2 41.2



#6

Bromomethane

Concen: 0.080 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012377.D

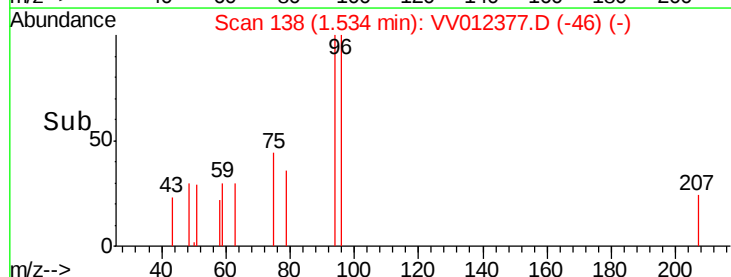
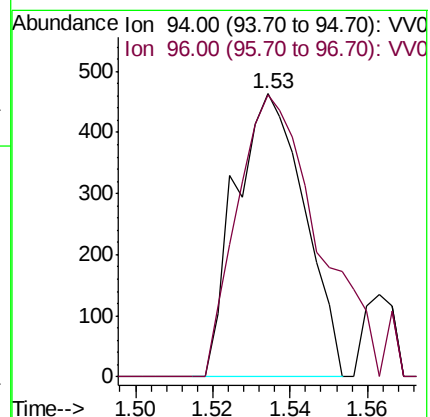
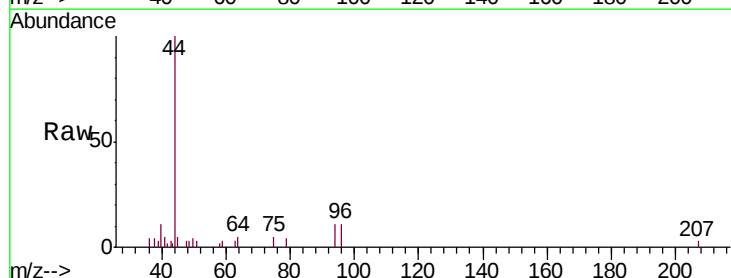
Acq: 23 Aug 2019 21:23

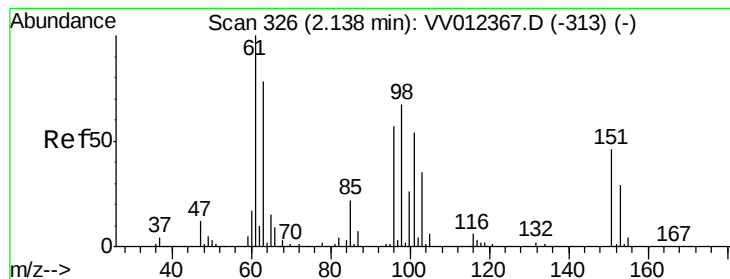
Tgt Ion: 94 Resp: 574

Ion Ratio Lower Upper

94 100

96 99.6 69.2 128.6





#10

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

Concen: 0.075 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012377.D

Acq: 23 Aug 2019 21:23

Instrument :

MSVOA_V

ClientSampleId :

GANJ9

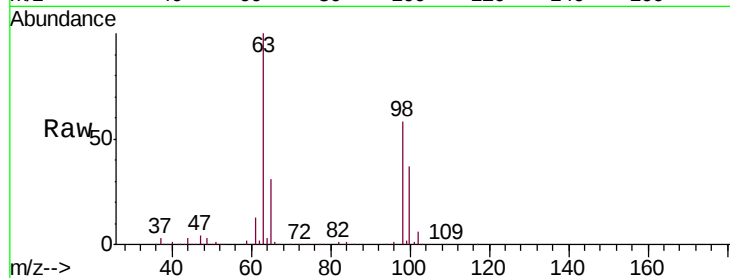
Tgt Ion: 101 Resp: 820

Ion Ratio Lower Upper

101 100

85 4.9 34.6 51.8#

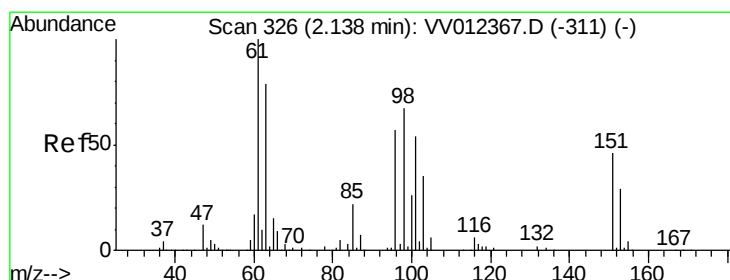
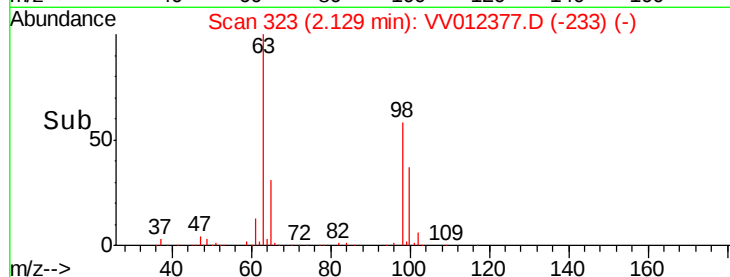
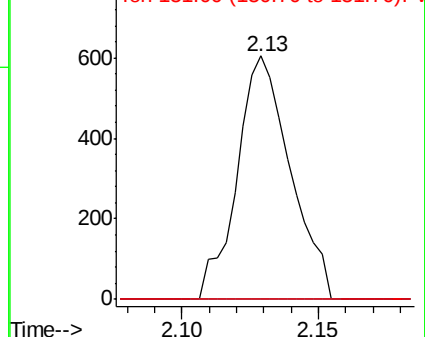
151 0.0 71.2 106.8#



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: 0.180 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012377.D

Acq: 23 Aug 2019 21:23

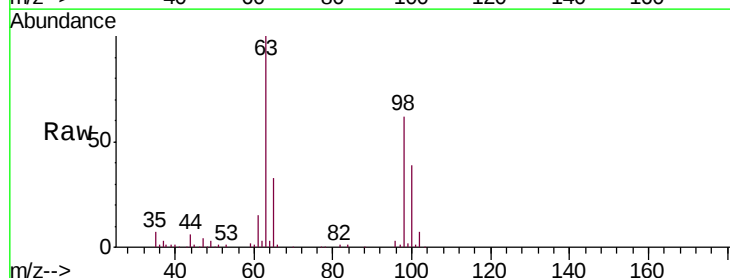
Tgt Ion: 96 Resp: 1776

Ion Ratio Lower Upper

96 100

61 532.7 122.3 227.1#

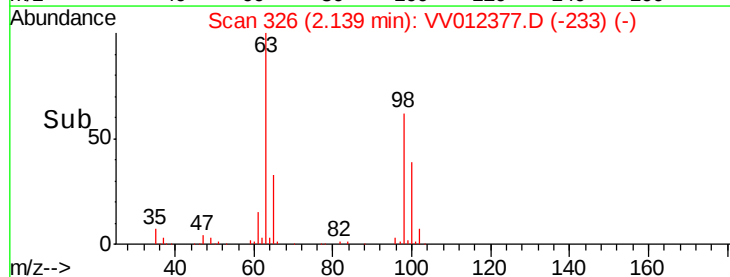
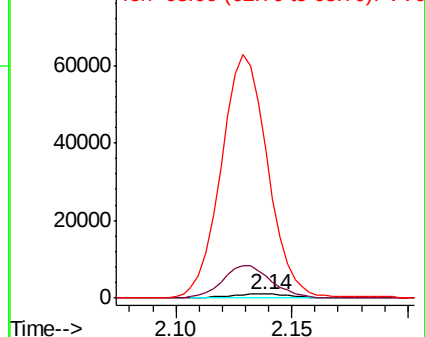
63 3600.4 90.6 168.2#

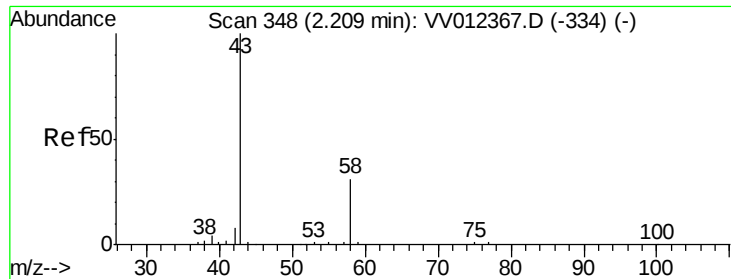


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 8.281 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.02 min

Lab File: VV012377.D

Acq: 23 Aug 2019 21:23

Instrument :

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ClientSampleId :

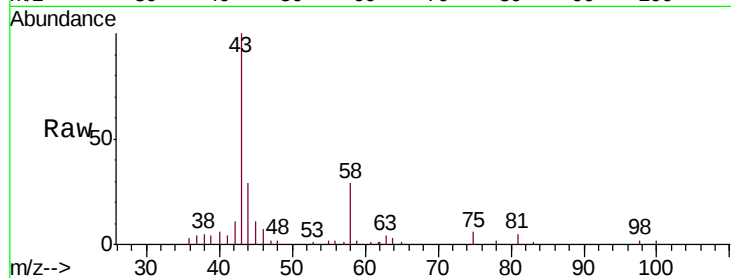
GANJ9

Tgt Ion: 43 Resp: 11874

Ion Ratio Lower Upper

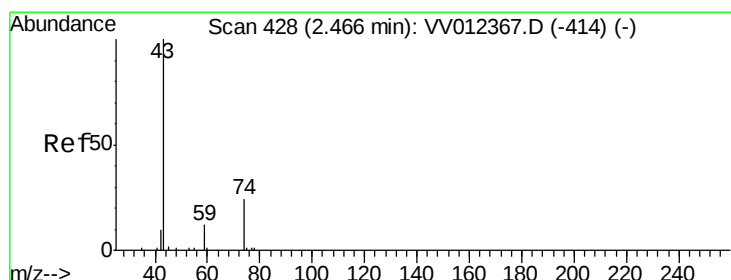
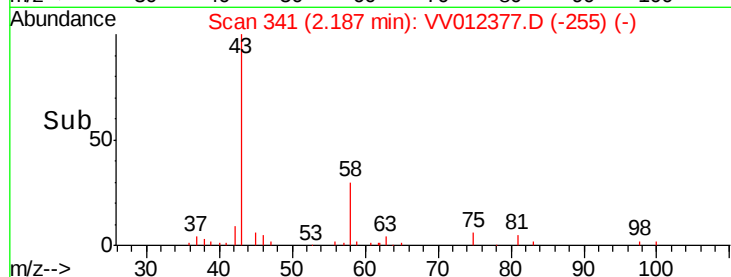
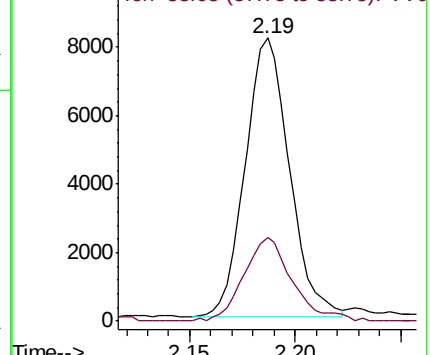
43 100

58 32.8 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#15

Methyl Acetate

Concen: 1.133 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.16 min

Lab File: VV012377.D

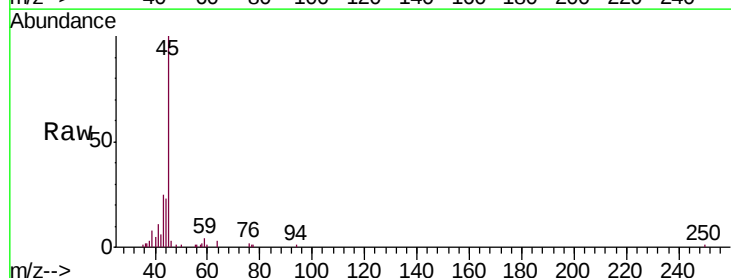
Acq: 23 Aug 2019 21:23

Tgt Ion: 43 Resp: 4089

Ion Ratio Lower Upper

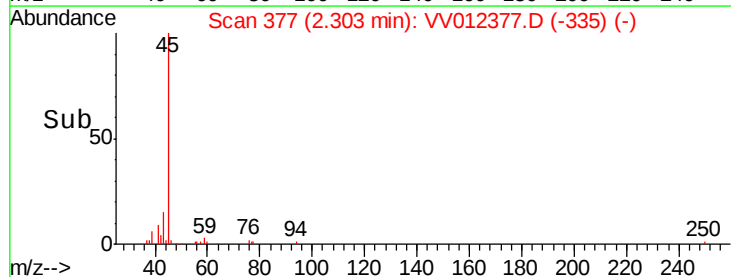
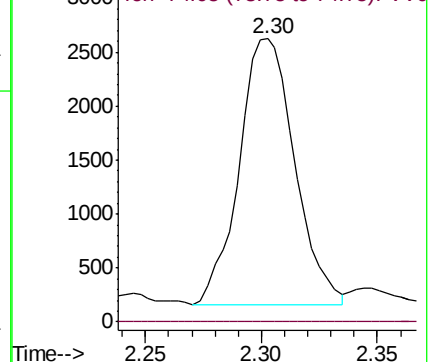
43 100

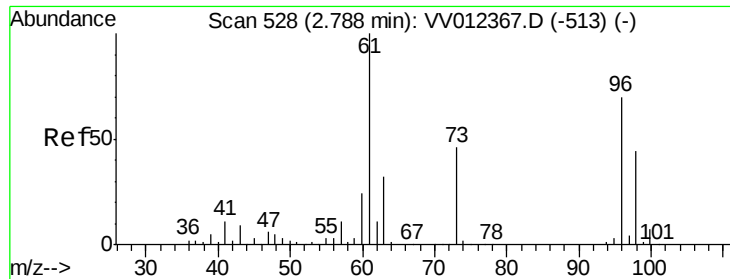
74 2.7 21.8 32.6#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

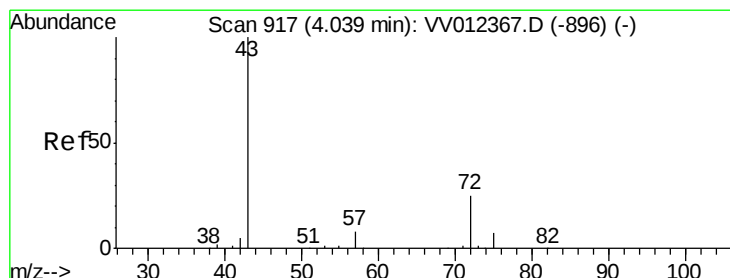
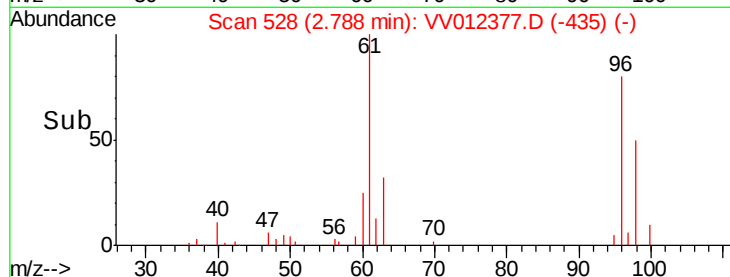
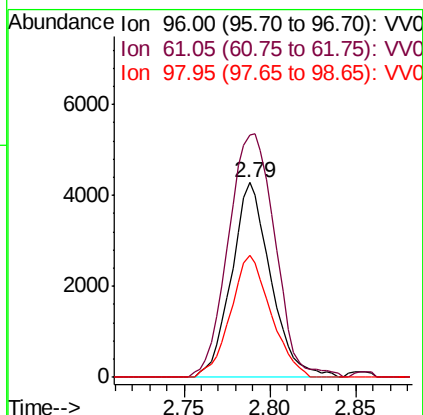
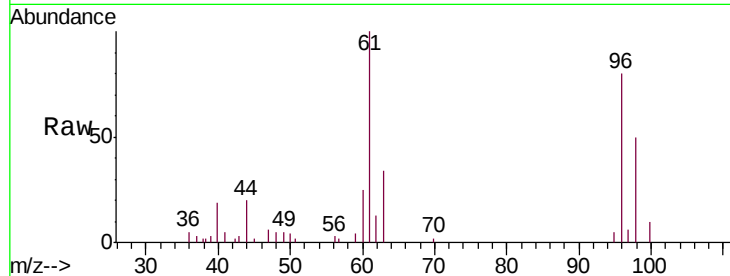




#18
 trans-1,2-Dichloroethene
 Concen: 0.463 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VV012377.D
 Acq: 23 Aug 2019 21:23

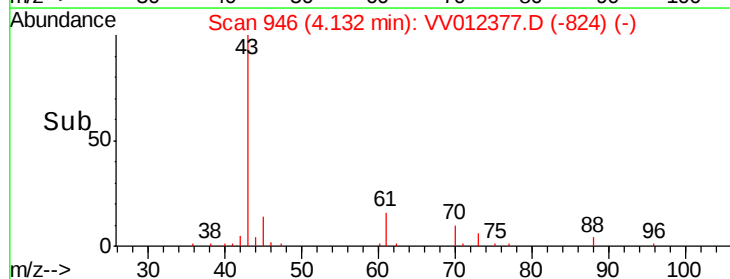
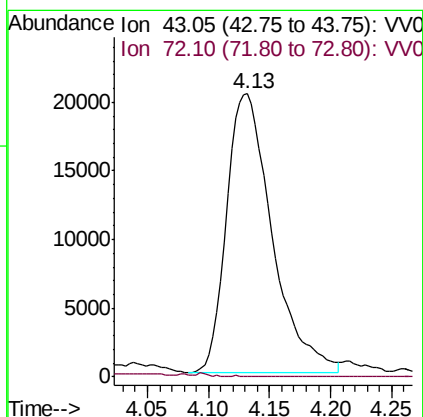
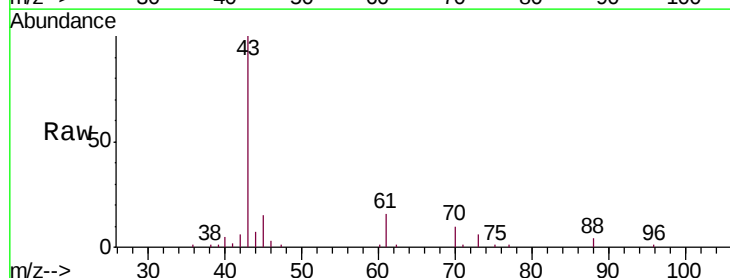
Instrument :
 MSVOA_V
 ClientSampleId :
 GANJ9

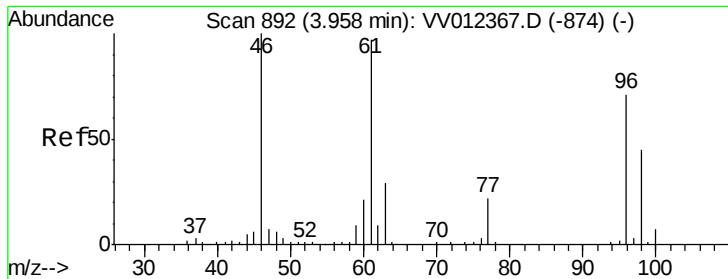
Tgt Ion: 96 Resp: 6802
 Ion Ratio Lower Upper
 96 100
 61 124.6 96.0 178.4
 98 62.6 42.1 78.3



#21
 2-Butanone
 Concen: 15.730 ug/L
 RT: 4.13 min Scan# 946
 Delta R.T. 0.09 min
 Lab File: VV012377.D
 Acq: 23 Aug 2019 21:23

Tgt Ion: 43 Resp: 52972
 Ion Ratio Lower Upper
 43 100
 72 0.3 12.2 36.6#



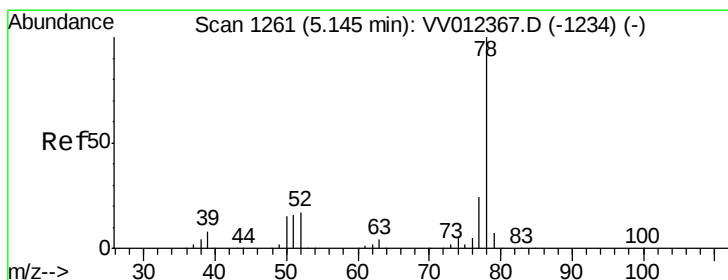
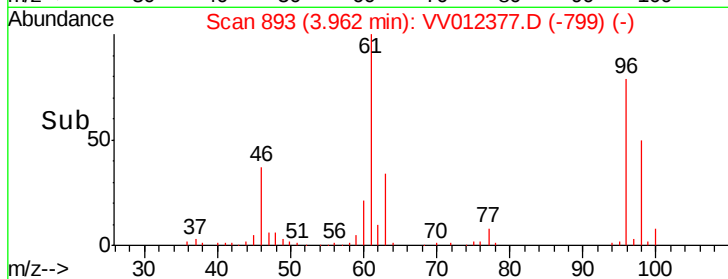
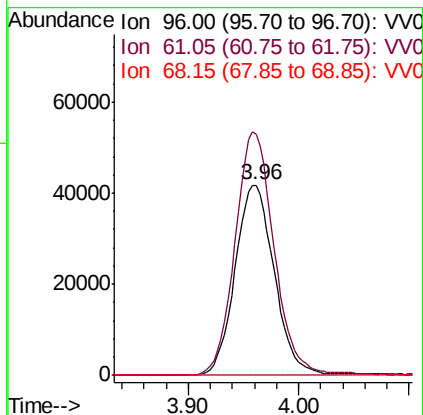
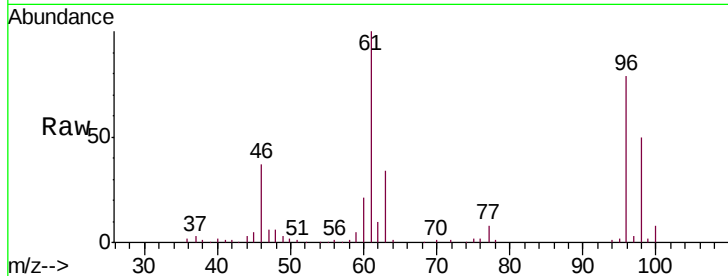


#22

cis-1,2-Dichloroethene
 Concen: 6.419 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012377.D
 Acq: 23 Aug 2019 21:23

Instrument :
 MSVOA_V
 ClientSampleId :
 GANJ9

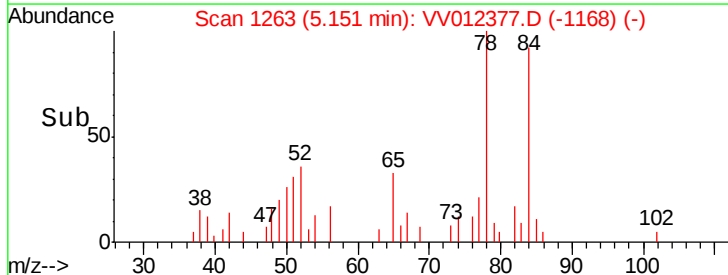
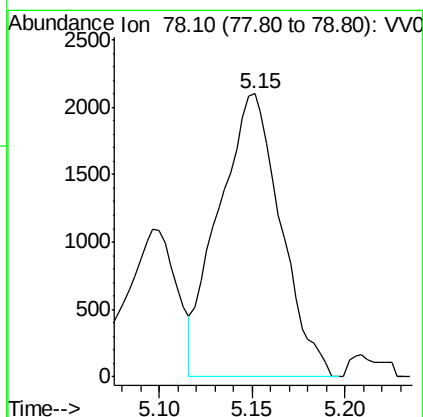
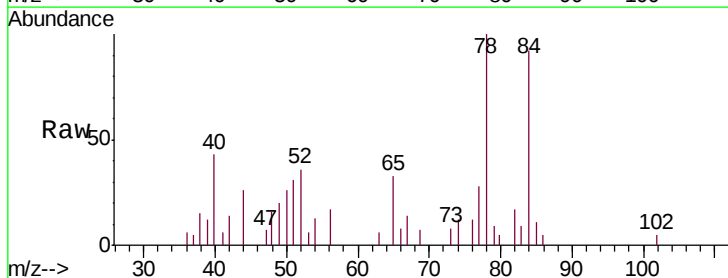
Tgt Ion: 96 Resp: 102765
 Ion Ratio Lower Upper
 96 100
 61 126.7 89.4 166.0
 68 0.3 0.0 0.0#

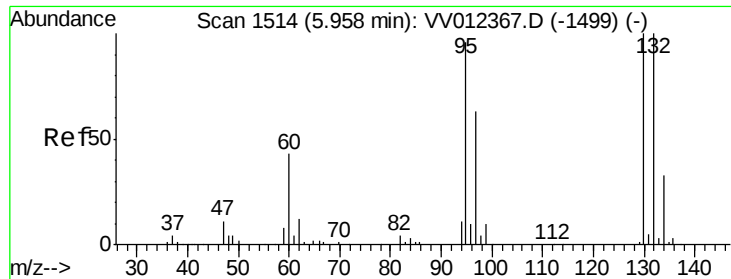


#33

Benzene
 Concen: 0.080 ug/L
 RT: 5.15 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: VV012377.D
 Acq: 23 Aug 2019 21:23

Tgt Ion: 78 Resp: 4866





#34

Trichloroethene

Concen: 1.439 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012377.D

Acq: 23 Aug 2019 21:23

Instrument :

MSVOA_V

ClientSampleId :

GANJ9

Tgt Ion: 95 Resp: 23683

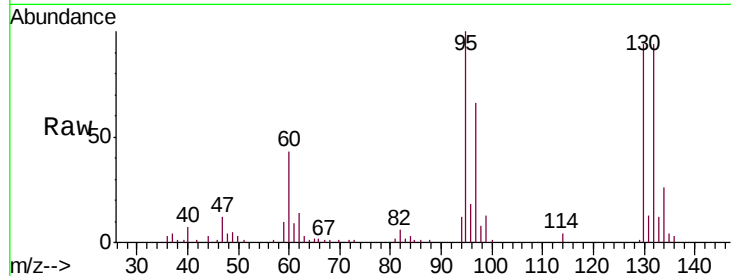
Ion Ratio Lower Upper

95 100

97 66.3 46.3 86.1

132 94.0 70.3 130.7

130 93.9 72.4 134.5

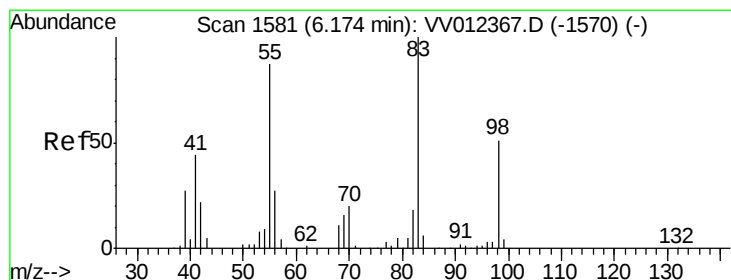
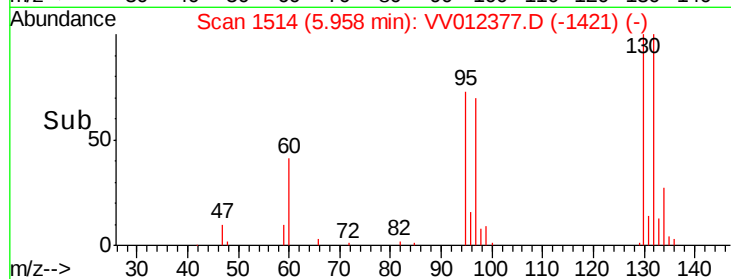
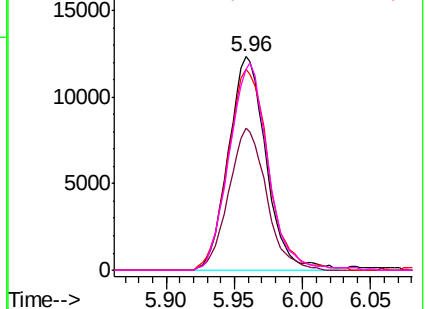


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.806 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV012377.D

Acq: 23 Aug 2019 21:23

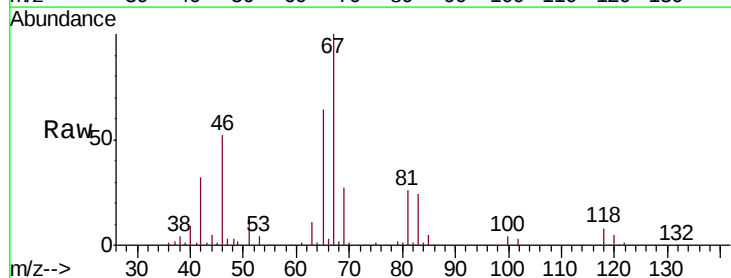
Tgt Ion: 83 Resp: 20832

Ion Ratio Lower Upper

83 100

55 0.9 64.6 97.0#

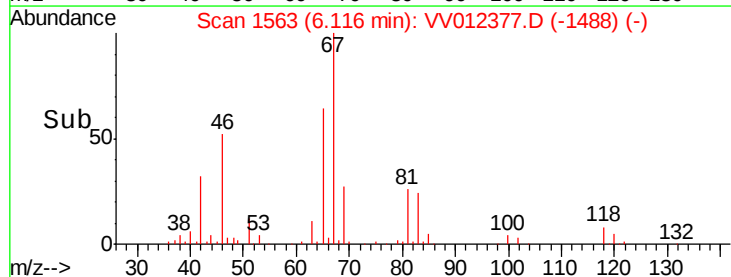
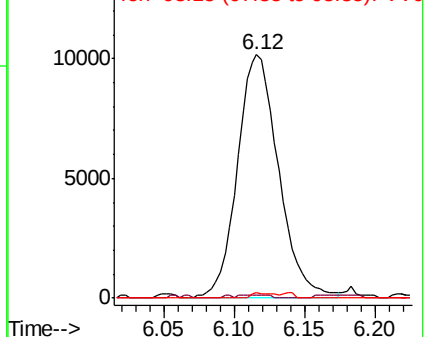
98 1.2 39.0 58.4#

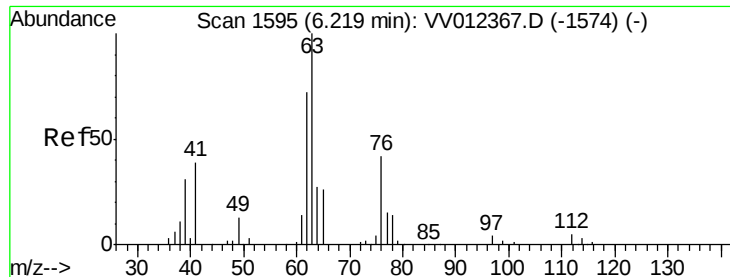


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.620 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV012377.D

Acq: 23 Aug 2019 21:23

Instrument :

MSVOA_V

ClientSampled :

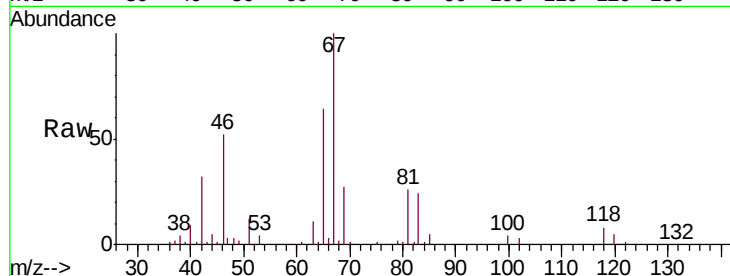
GANJ9

Tgt Ion: 63 Resp: 9584

Ion Ratio Lower Upper

63 100

112 0.5 4.2 6.2#



Abundance Ion 63.10 (62.80 to 63.80): VV012367.D (-1574) (-)

Ion 112.10 (111.80 to 112.80): VV012367.D (-1574) (-)

6.12

5000

4000

3000

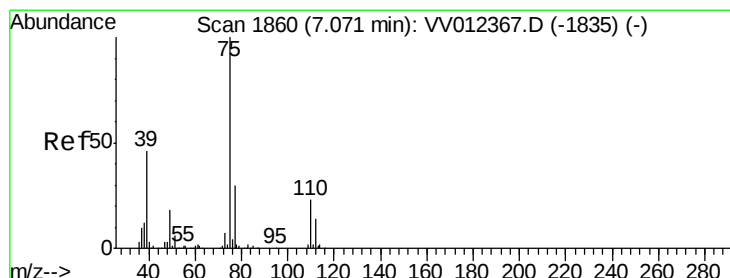
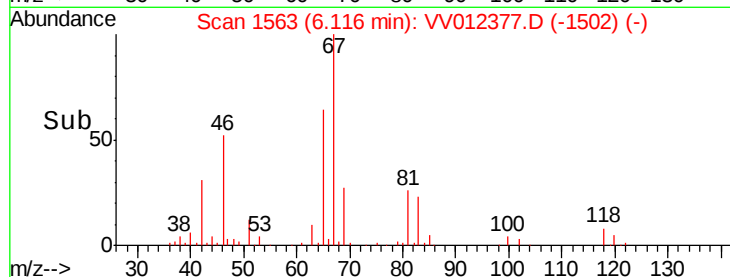
2000

1000

0

6.05 6.10 6.15 6.20

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.100 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

Lab File: VV012377.D

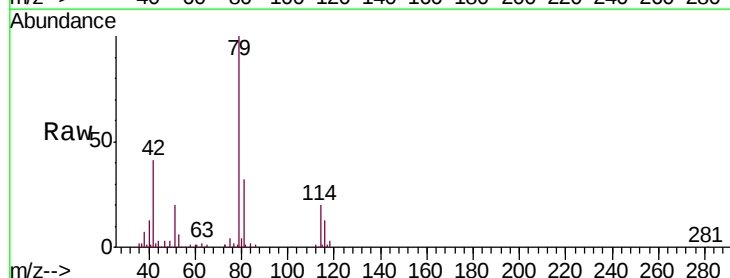
Acq: 23 Aug 2019 21:23

Tgt Ion: 75 Resp: 2075

Ion Ratio Lower Upper

75 100

77 39.7 23.2 43.2



Abundance Ion 75.05 (74.75 to 75.75): VV012367.D (-1835) (-)

Ion 77.05 (76.75 to 77.75): VV012367.D (-1835) (-)

7.03

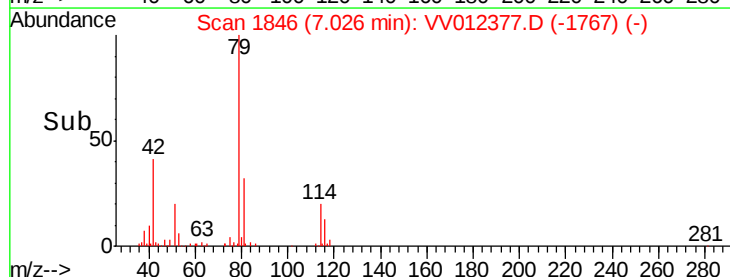
1000

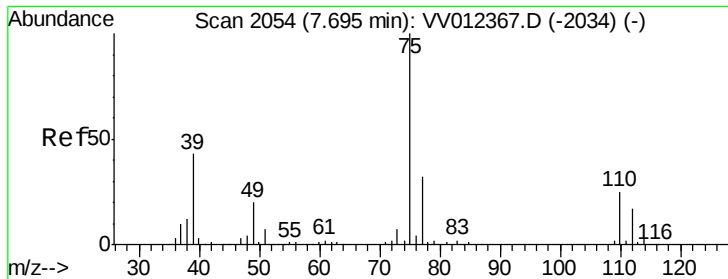
500

0

7.00 7.05

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV012377.D

Acq: 23 Aug 2019 21:23

Instrument :

MSVOA_V

ClientSampleId :

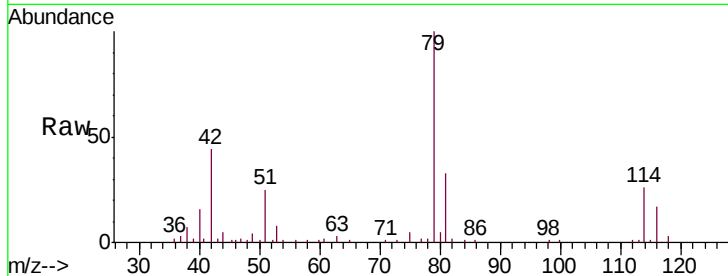
GANJ9

Tgt Ion: 75 Resp: 1417

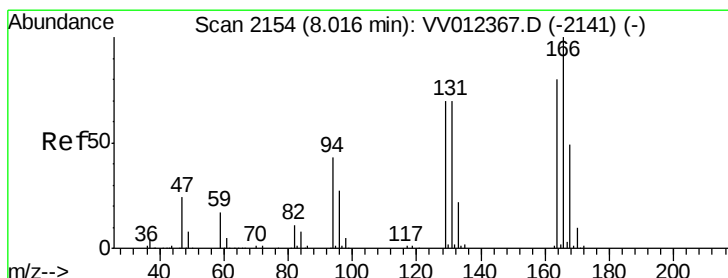
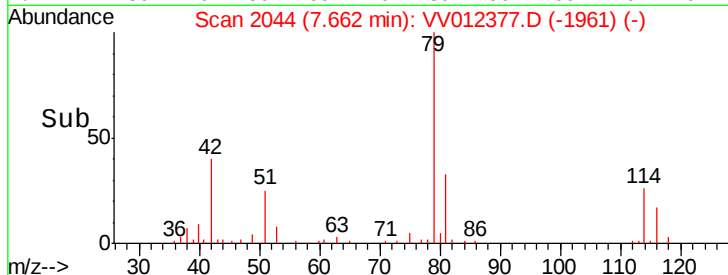
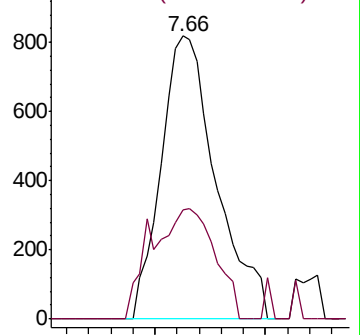
Ion Ratio Lower Upper

75 100

77 38.8 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VV012367.D (-2034) (-)



#47

Tetrachloroethene

Concen: 1.358 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012377.D

Acq: 23 Aug 2019 21:23

Tgt Ion: 164 Resp: 18040

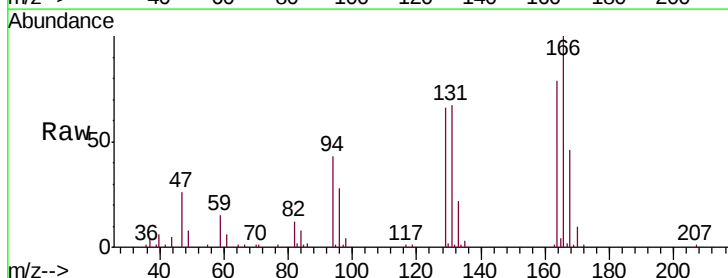
Ion Ratio Lower Upper

164 100

129 84.1 60.6 112.6

131 85.6 58.8 109.2

166 126.8 87.6 162.8

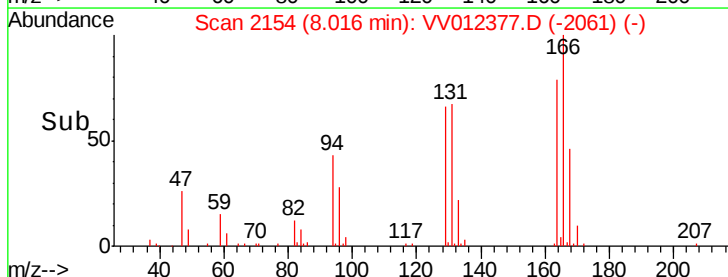
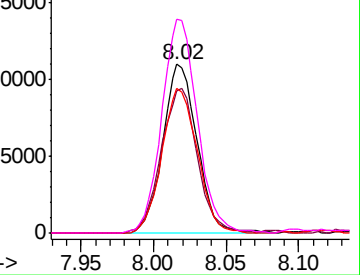


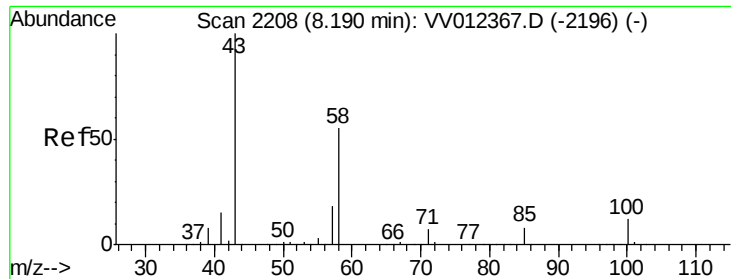
Abundance Ion 163.90 (163.60 to 164.60): VV012367.D (-2141) (-)

Ion 128.95 (128.65 to 129.65): VV012367.D (-2141) (-)

Ion 130.95 (130.65 to 131.65): VV012367.D (-2141) (-)

Ion 165.90 (165.60 to 166.60): VV012367.D (-2141) (-)

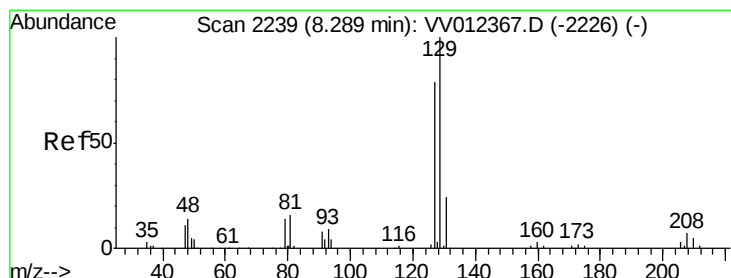
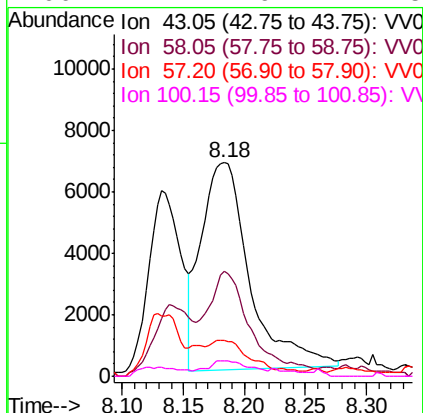
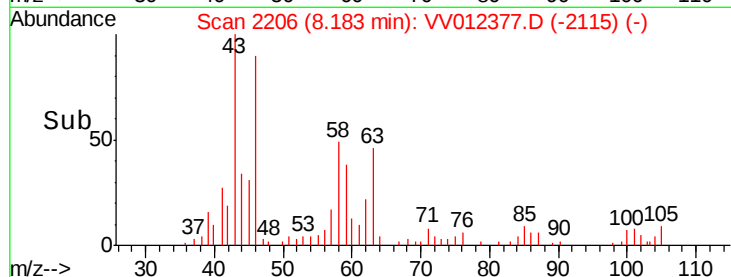
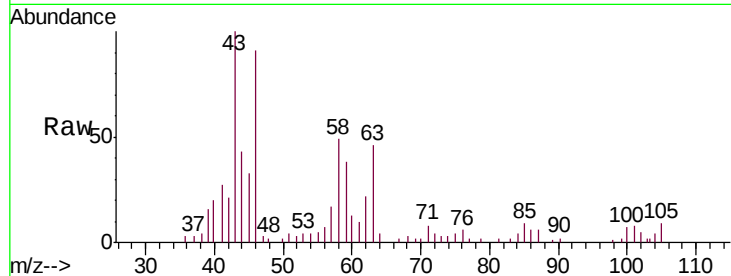




#48
2-Hexanone
Concen: 3.141 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.01 min
Lab File: VV012377.D
Acq: 23 Aug 2019 21:23

Instrument :
MSVOA_V
ClientSampleId :
GANJ9

Tgt Ion: 43 Resp: 18763
Ion Ratio Lower Upper
43 100
58 40.6 46.3 69.5#
57 11.1 14.9 22.3#
100 4.1 9.7 14.5#



#49
Dibromochloromethane
Concen: 1.296 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.27 min
Lab File: VV012377.D
Acq: 23 Aug 2019 21:23

Tgt Ion: 129 Resp: 15556
Ion Ratio Lower Upper
129 100
127 0.0 53.8 99.8#

