

Data File : VV012331.D
Acq On : 21 Aug 2019 22:47
Operator : SY/MD
Sample : K4454-10
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F2C02

Quant Time: Aug 22 03:53:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 03:48:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	213262	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	194964	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	92144	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48091	47.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.26%
7) Chloroethane-d5	1.58	69	36354	50.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.44%
11) 1,1-Dichloroethene-d2	2.13	63	74970	37.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.44%
21) 2-Butanone-d5	3.93	46	70103	89.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.08%
24) Chloroform-d	4.40	84	133825	46.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.26%
26) 1,2-Dichloroethane-d4	5.08	65	101963	51.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.04%
32) Benzene-d6	5.10	84	263957	50.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.54%
36) 1,2-Dichloropropane-d6	6.12	67	72197	51.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.70%
41) Toluene-d8	7.36	98	256337	50.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.18%
43) trans-1,3-Dichloropropene-	7.66	79	40501	46.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.54%
47) 2-Hexanone-d5	8.13	63	56763	97.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.82%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	101879	50.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.76%
64) 1,2-Dichlorobenzene-d4	11.67	152	108937	53.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.56%

Target Compounds

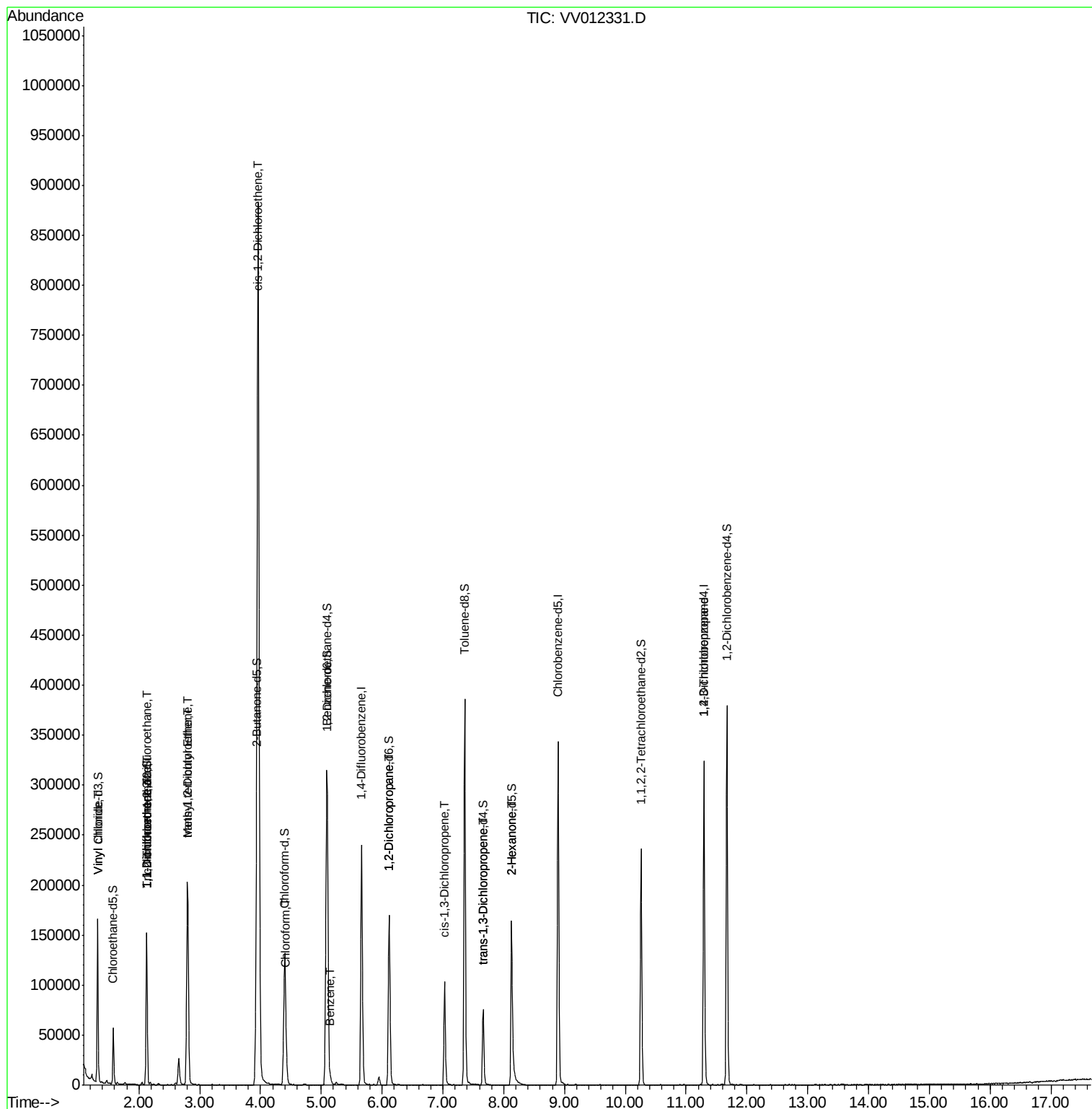
						Qvalue
5) Vinyl chloride	1.32	62	55867	54.240	ug/L	98
9) Trichlorofluoromethane	2.13	101	783	0.378	ug/L #	17
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	783	0.834	ug/L #	13
12) 1,1-Dichloroethene	2.13	96	1046	1.219	ug/L #	1
17) trans-1,2-Dichloroethene	2.79	96	8537	6.576	ug/L	95
18) Methyl tert-butyl Ether	2.80	73	192939	44.864	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	508456	351.982	ug/L	95
25) Chloroform	4.43	83	9651	3.586	ug/L	94
33) Benzene	5.15	78	5221	1.062	ug/L	100
37) 1,2-Dichloropropane	6.12	63	9523	8.548	ug/L #	82
39) cis-1,3-Dichloropropene	7.03	75	2866	1.386	ug/L #	78
44) trans-1,3-Dichloropropene	7.66	75	1949	0.989	ug/L	95
48) 2-Hexanone	8.13	43	7283	6.440	ug/L #	74
59) 1,2,3-Trichloropropane	11.29	75	7564	4.765	ug/L #	84

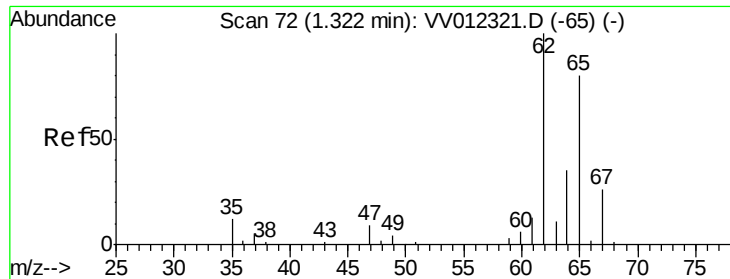
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 54.240 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012331.D

Acq: 21 Aug 2019 22:47

Instrument :

MSVOA_V

ClientSampleId :

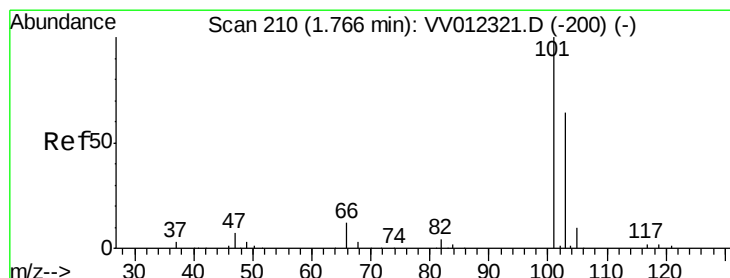
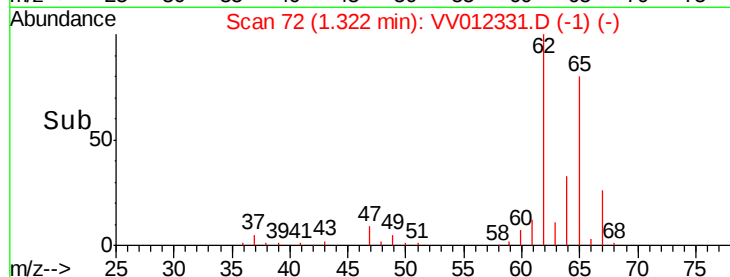
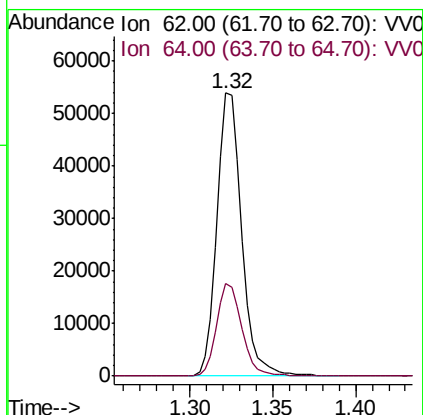
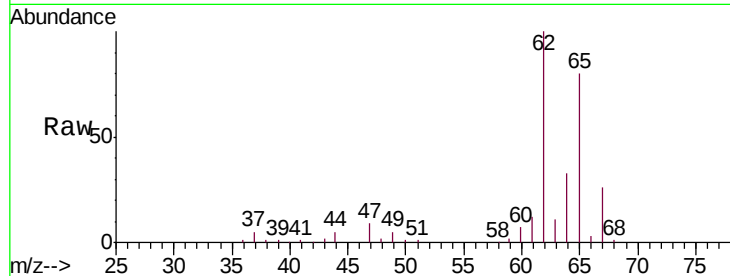
F2C02

Tgt Ion: 62 Resp: 55867

Ion Ratio Lower Upper

62 100

64 32.5 23.5 43.7



#9

Trichlorofluoromethane

Concen: 0.378 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.36 min

Lab File: VV012331.D

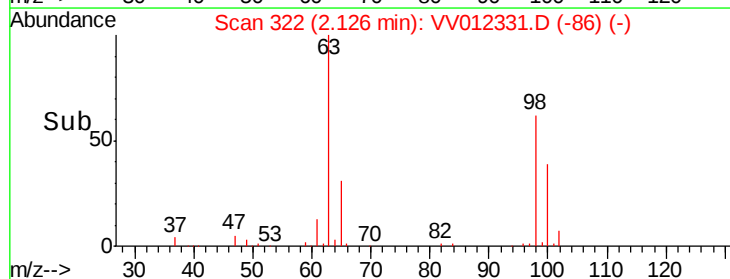
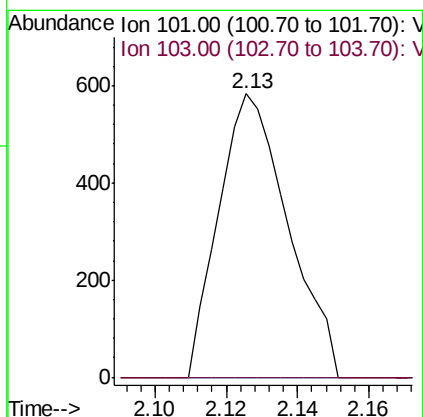
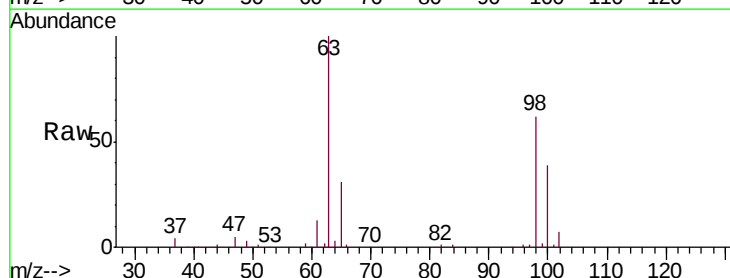
Acq: 21 Aug 2019 22:47

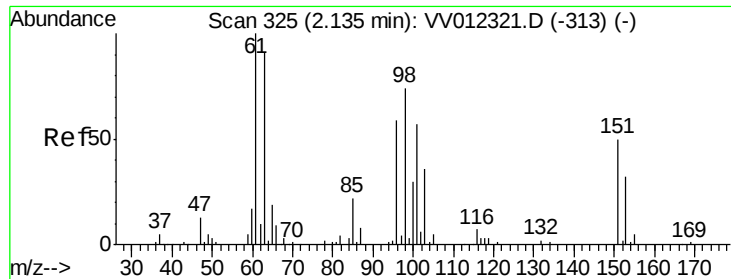
Tgt Ion: 101 Resp: 783

Ion Ratio Lower Upper

101 100

103 0.0 53.2 79.8#





#10

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

Concen: 0.834 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV012331.D

Acq: 21 Aug 2019 22:47

Instrument :

MSVOA_V

ClientSampleId :

F2C02

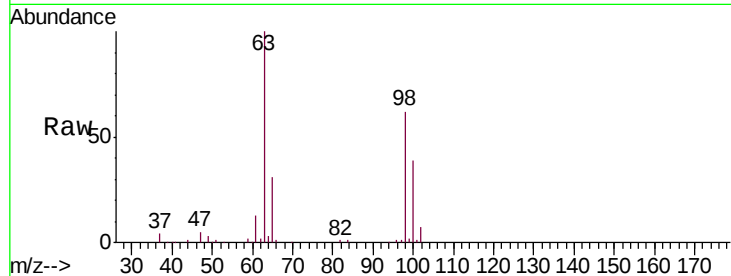
Tgt Ion: 101 Resp: 783

Ion Ratio Lower Upper

101 100

85 0.0 33.7 50.5#

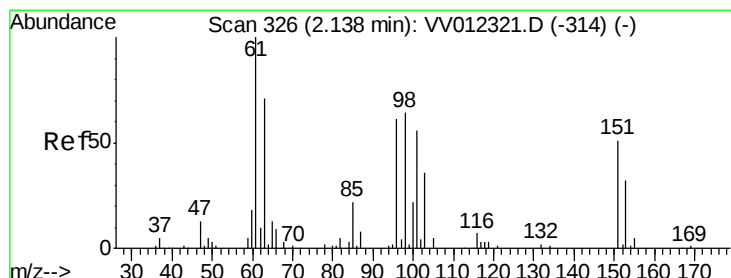
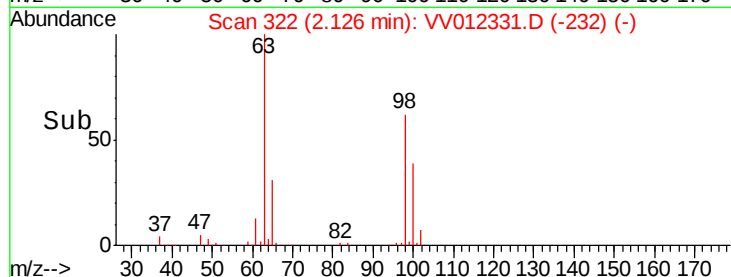
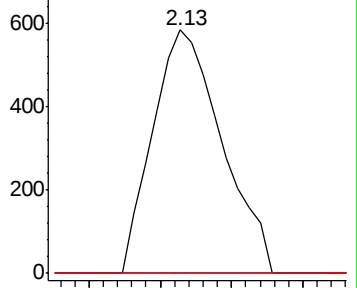
151 0.0 73.0 109.6#



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: 1.219 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV012331.D

Acq: 21 Aug 2019 22:47

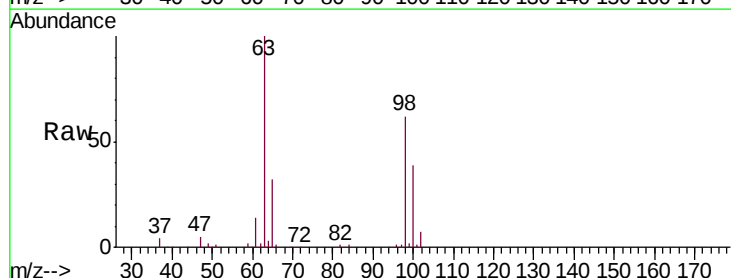
Tgt Ion: 96 Resp: 1046

Ion Ratio Lower Upper

96 100

61 997.9 122.6 227.8#

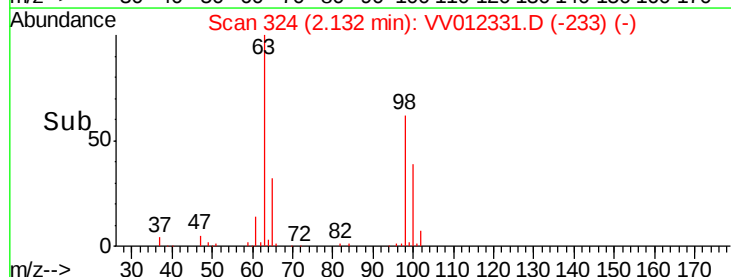
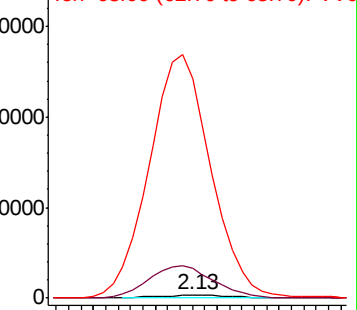
63 7287.8 98.6 183.2#

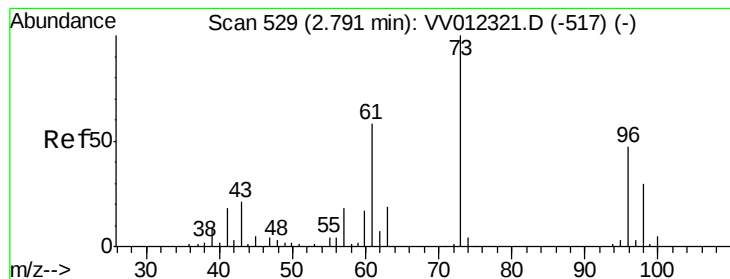


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 6.576 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV012331.D

Acq: 21 Aug 2019 22:47

Instrument :

MSVOA_V

ClientSampleId :

F2C02

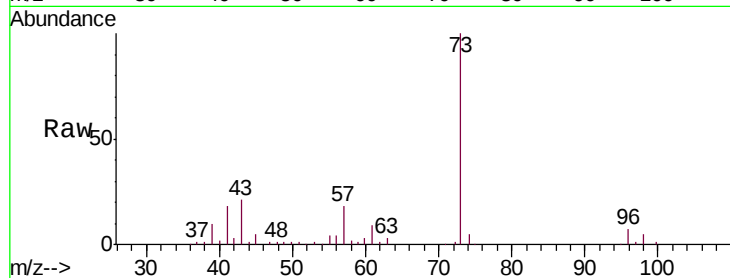
Tgt Ion: 96 Resp: 8537

Ion Ratio Lower Upper

96 100

61 118.6 87.0 161.6

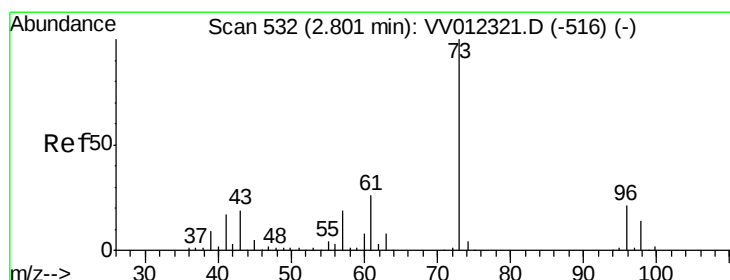
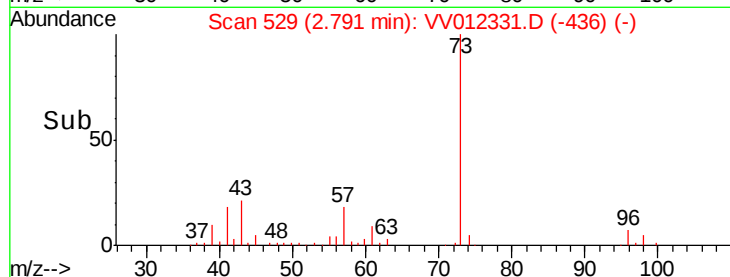
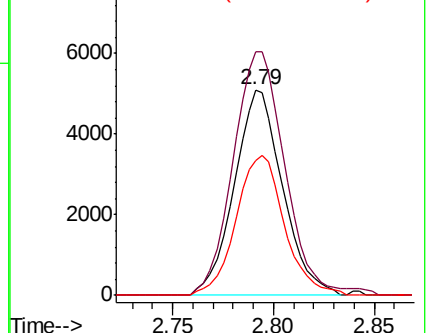
98 65.7 43.8 81.4



Abundance Ion 96.00 (95.70 to 96.70): VV012331.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV012331.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV012331.D (-517) (-)



#18

Methyl tert-butyl Ether

Concen: 44.864 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV012331.D

Acq: 21 Aug 2019 22:47

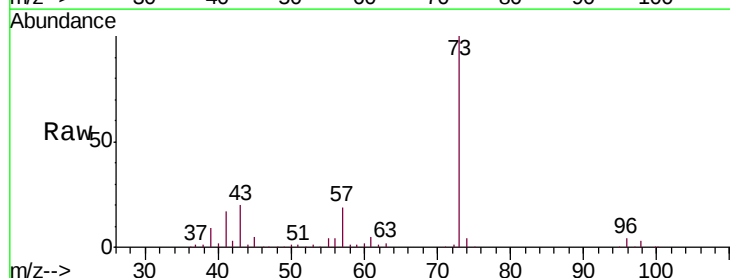
Tgt Ion: 73 Resp: 192939

Ion Ratio Lower Upper

73 100

43 20.5 16.6 25.0

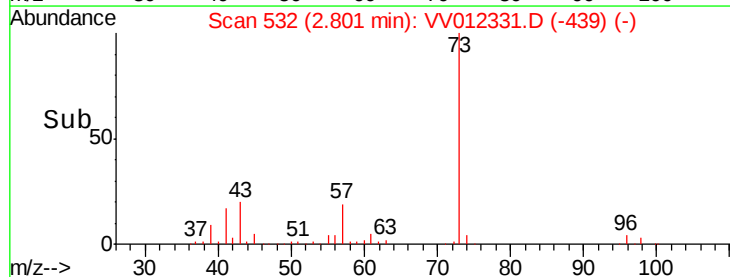
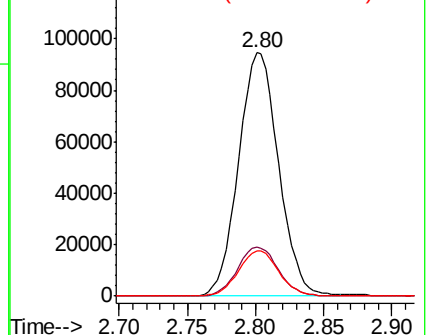
57 18.8 15.0 22.6

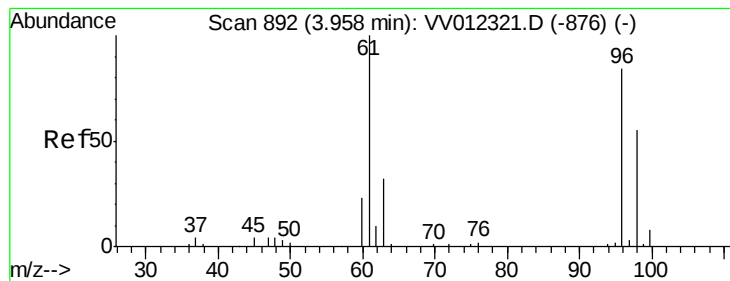


Abundance Ion 73.00 (72.70 to 73.70): VV012331.D (-516) (-)

Ion 43.00 (42.70 to 43.70): VV012331.D (-516) (-)

Ion 57.00 (56.70 to 57.70): VV012331.D (-516) (-)



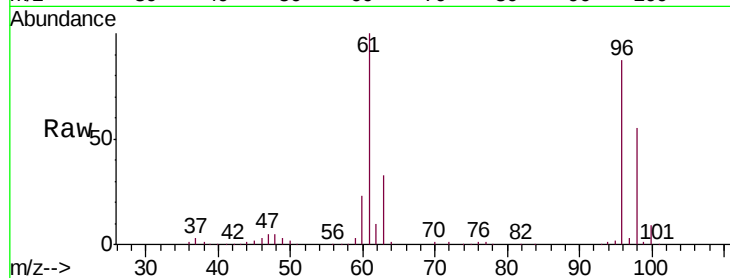


#20

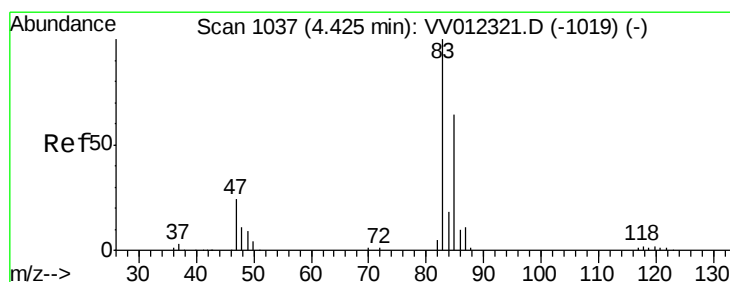
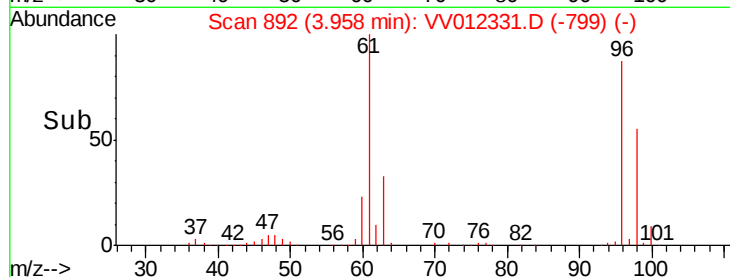
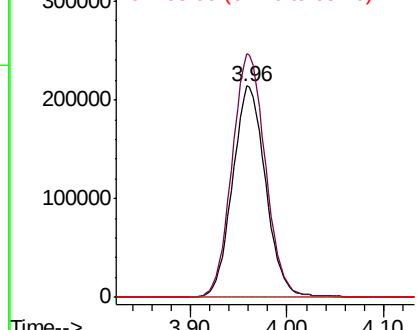
cis-1,2-Dichloroethene
 Concen: 351.982 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012331.D
 Acq: 21 Aug 2019 22:47

Instrument :
 MSVOA_V
 ClientSampleId :
 F2C02

Tgt Ion: 96 Resp: 508456
 Ion Ratio Lower Upper
 96 100
 61 115.4 84.4 156.7
 68 0.0 0.0 0.0



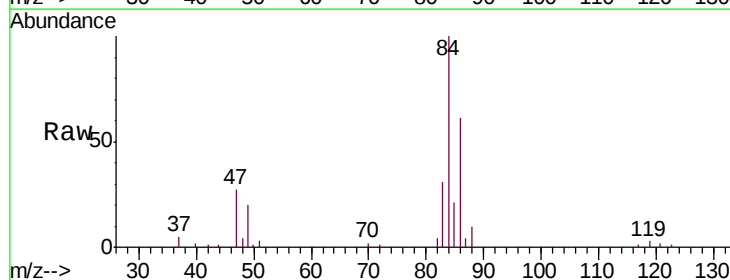
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0



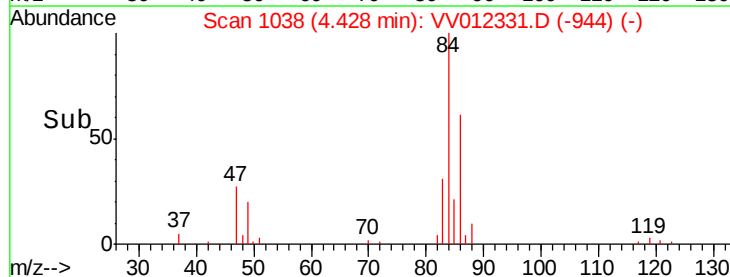
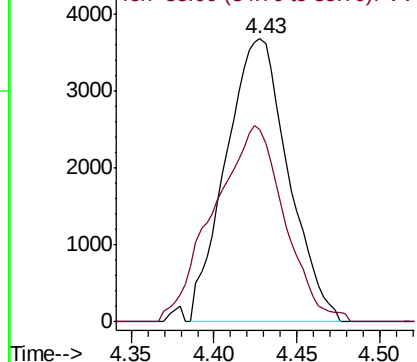
#25

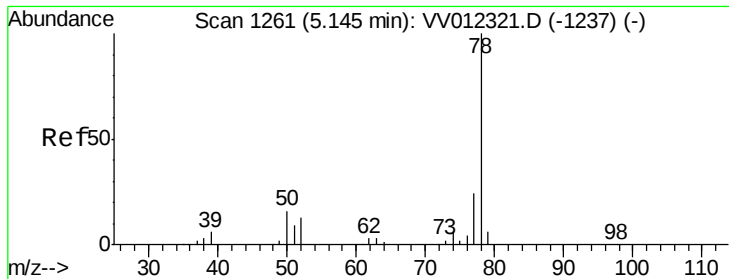
Chloroform
 Concen: 3.586 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: VV012331.D
 Acq: 21 Aug 2019 22:47

Tgt Ion: 83 Resp: 9651
 Ion Ratio Lower Upper
 83 100
 85 67.9 44.5 82.7



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0

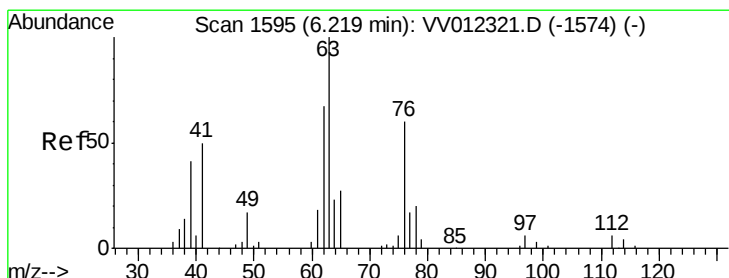
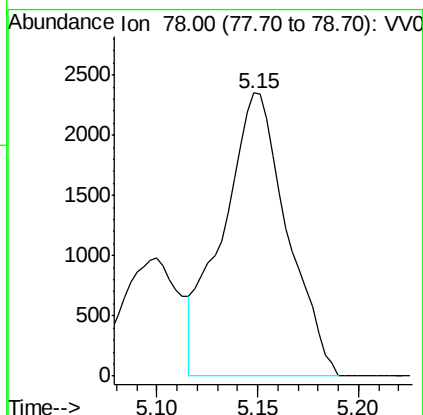
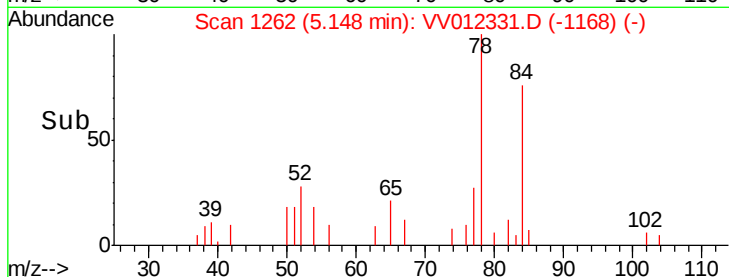
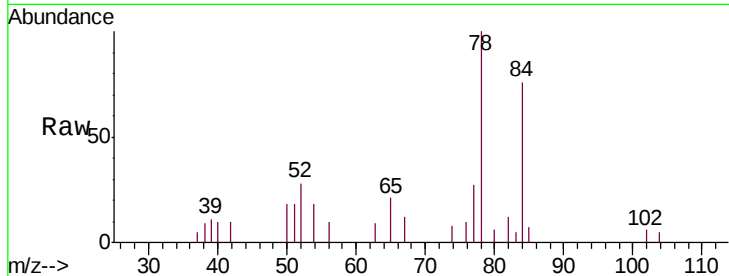




#33
Benzene
Concen: 1.062 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV012331.D
Acq: 21 Aug 2019 22:47

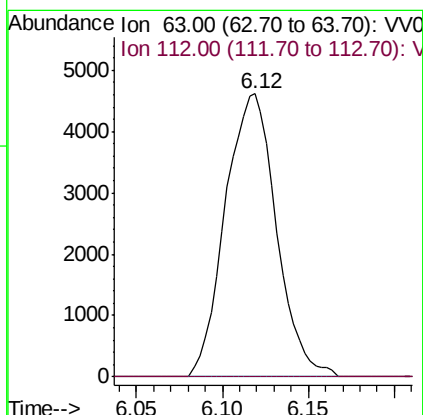
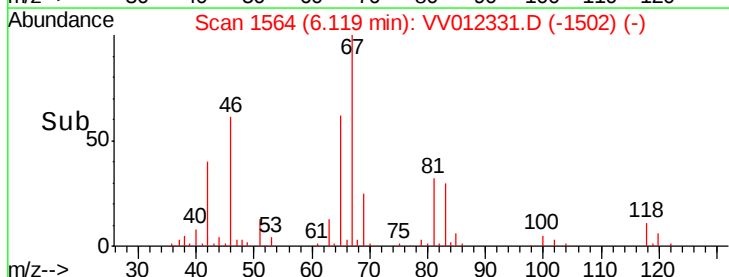
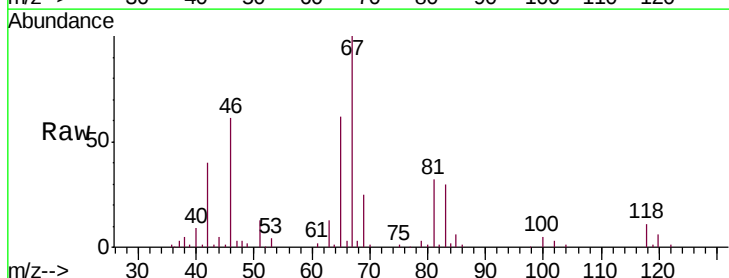
Instrument :
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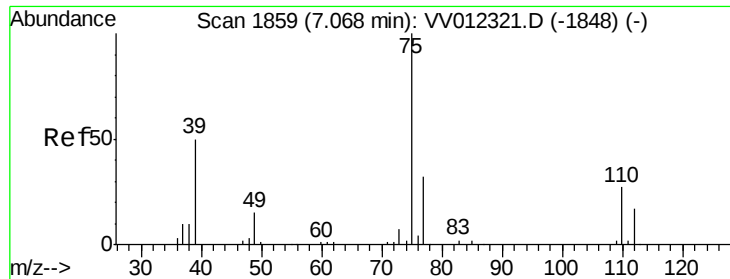
Tgt Ion: 78 Resp: 5221



#37
1,2-Dichloropropane
Concen: 8.548 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV012331.D
Acq: 21 Aug 2019 22:47

Tgt Ion: 63 Resp: 9523
Ion Ratio Lower Upper
63 100
112 0.0 4.7 7.1#

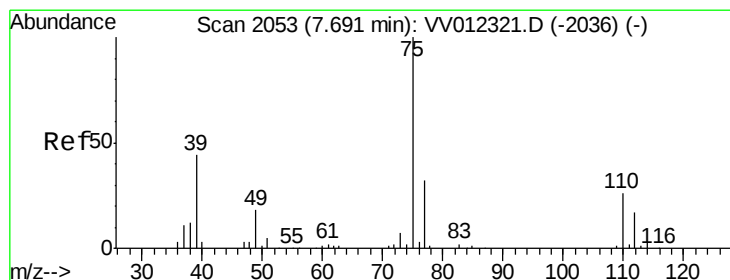
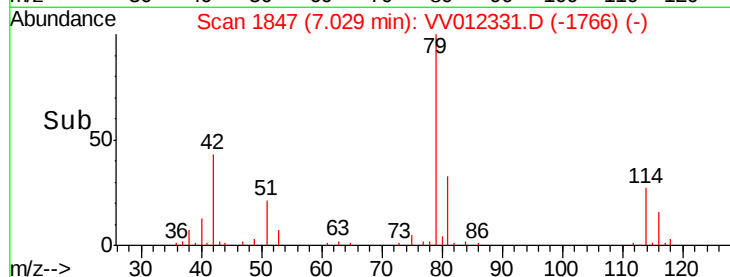
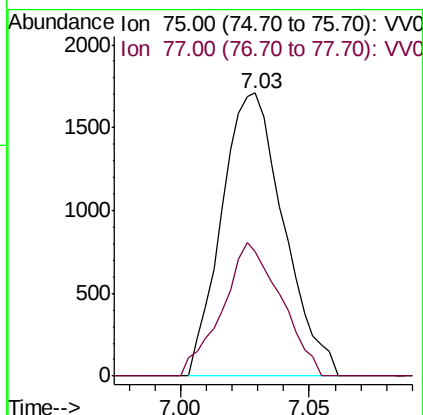
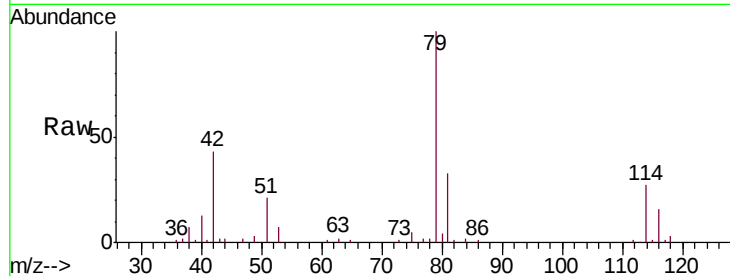




#39
 cis-1,3-Dichloropropene
 Concen: 1.386 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV012331.D
 Acq: 21 Aug 2019 22:47

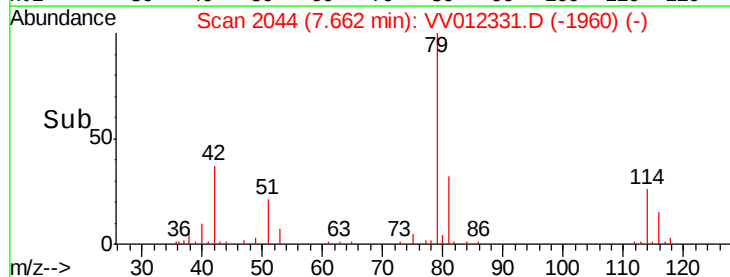
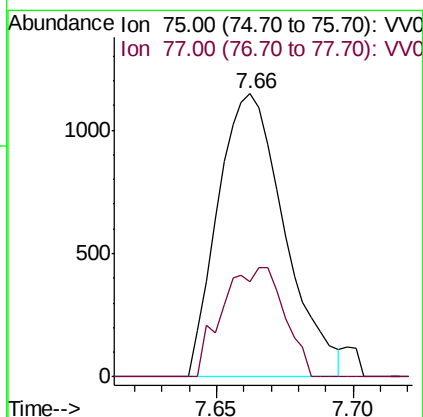
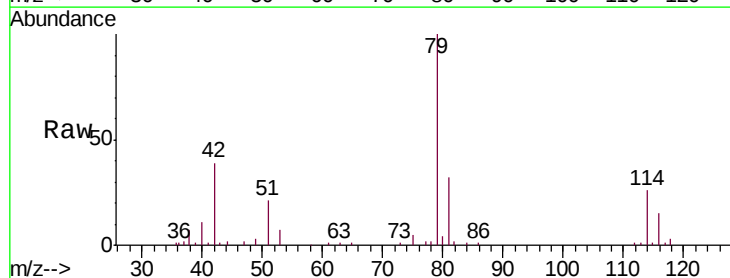
Instrument :
 MSVOA_V
 ClientSampleId :
 F2C02

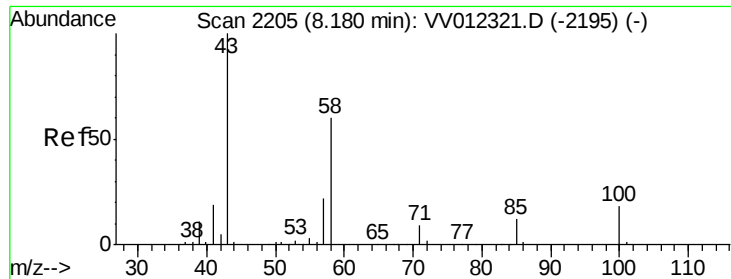
Tgt Ion: 75 Resp: 2866
 Ion Ratio Lower Upper
 75 100
 77 44.3 22.5 41.7#



#44
 trans-1,3-Dichloropropene
 Concen: 0.989 ug/L
 RT: 7.66 min Scan# 2044
 Delta R.T. -0.03 min
 Lab File: VV012331.D
 Acq: 21 Aug 2019 22:47

Tgt Ion: 75 Resp: 1949
 Ion Ratio Lower Upper
 75 100
 77 33.7 21.7 40.3

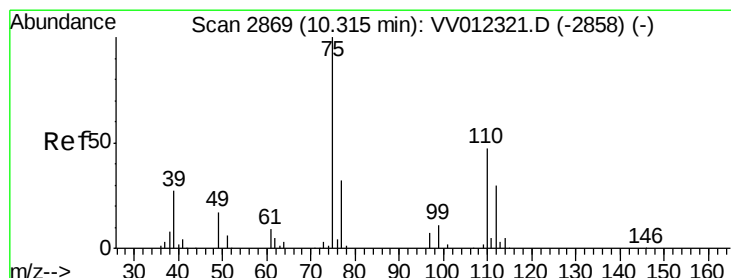
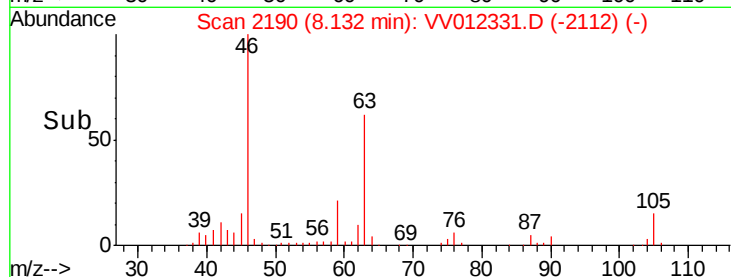
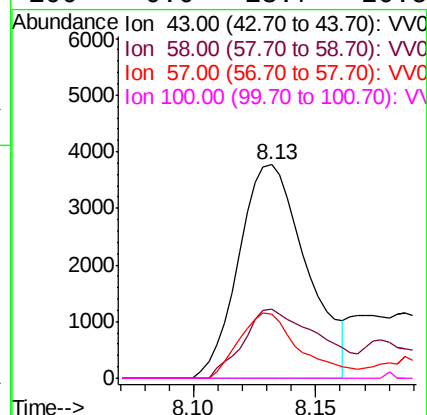
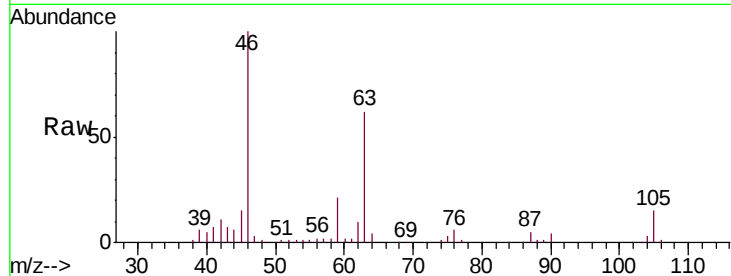




#48
2-Hexanone
Concen: 6.440 ug/L
RT: 8.13 min Scan# 2190
Delta R.T. -0.05 min
Lab File: VV012331.D
Acq: 21 Aug 2019 22:47

Instrument :
MSVOA_V
ClientSampleId :
F2C02

Tgt Ion: 43 Resp: 7283
Ion Ratio Lower Upper
43 100
58 37.1 45.7 68.5#
57 27.5 16.8 25.2#
100 0.0 13.7 20.5#



#59
1,2,3-Trichloropropane
Concen: 4.765 ug/L
RT: 11.29 min Scan# 3173
Delta R.T. 0.98 min
Lab File: VV012331.D
Acq: 21 Aug 2019 22:47

Tgt Ion: 75 Resp: 7564
Ion Ratio Lower Upper
75 100
77 42.7 26.8 40.2#

