

Data File : VV011518.D
Acq On : 15 Jun 2019 04:15
Operator : SY/MD
Sample : K3313-19
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COM11

Quant Time: Jun 15 04:40:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 15 04:37:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	182955	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	168255	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	67772	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	60253	4.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.20%
7) Chloroethane-d5	1.58	69	44804	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.40%
11) 1,1-Dichloroethene-d2	2.13	63	265090	10.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	201.60%#
20) 2-Butanone-d5	3.96	46	190539	49.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.04%
24) Chloroform-d	4.40	84	122699	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.08	65	73482	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.09	84	247292	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.12	67	77483	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.36	98	212417	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	7.66	79	23911	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.14	63	149022	48.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.40%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	53925	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	68457	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	4159	0.235 ug/L	95
5) Vinyl chloride	1.32	62	2752	0.158 ug/L #	1
8) Chloroethane	1.44	64	24805	2.934 ug/L #	54
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2050	0.187 ug/L #	53
12) 1,1-Dichloroethene	2.13	96	288540	25.359 ug/L #	79
13) Acetone	2.21	43	5918	2.259 ug/L	99
15) Methyl Acetate	2.42	43	20237	2.914 ug/L #	57
16) Methylene chloride	2.53	84	1913	0.148 ug/L	86
19) 1,1-Dichloroethane	3.22	63	26703	1.003 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	356266	24.442 ug/L	97
25) Chloroform	4.42	83	9991	0.374 ug/L	97
29) 1,1,1-Trichloroethane	4.65	97	504078	24.079 ug/L	99
31) Carbon tetrachloride	4.65	117	59919	3.537 ug/L	100
34) Trichloroethene	5.96	95	5913550	421.954 ug/L	98
35) Methylcyclohexane	6.12	83	18937	0.948 ug/L #	15
37) 1,2-Dichloropropane	6.11	63	9491	0.649 ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	2416	0.131 ug/L #	63

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061419\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 15 04:37:55 2019
Response via : Initial Calibration

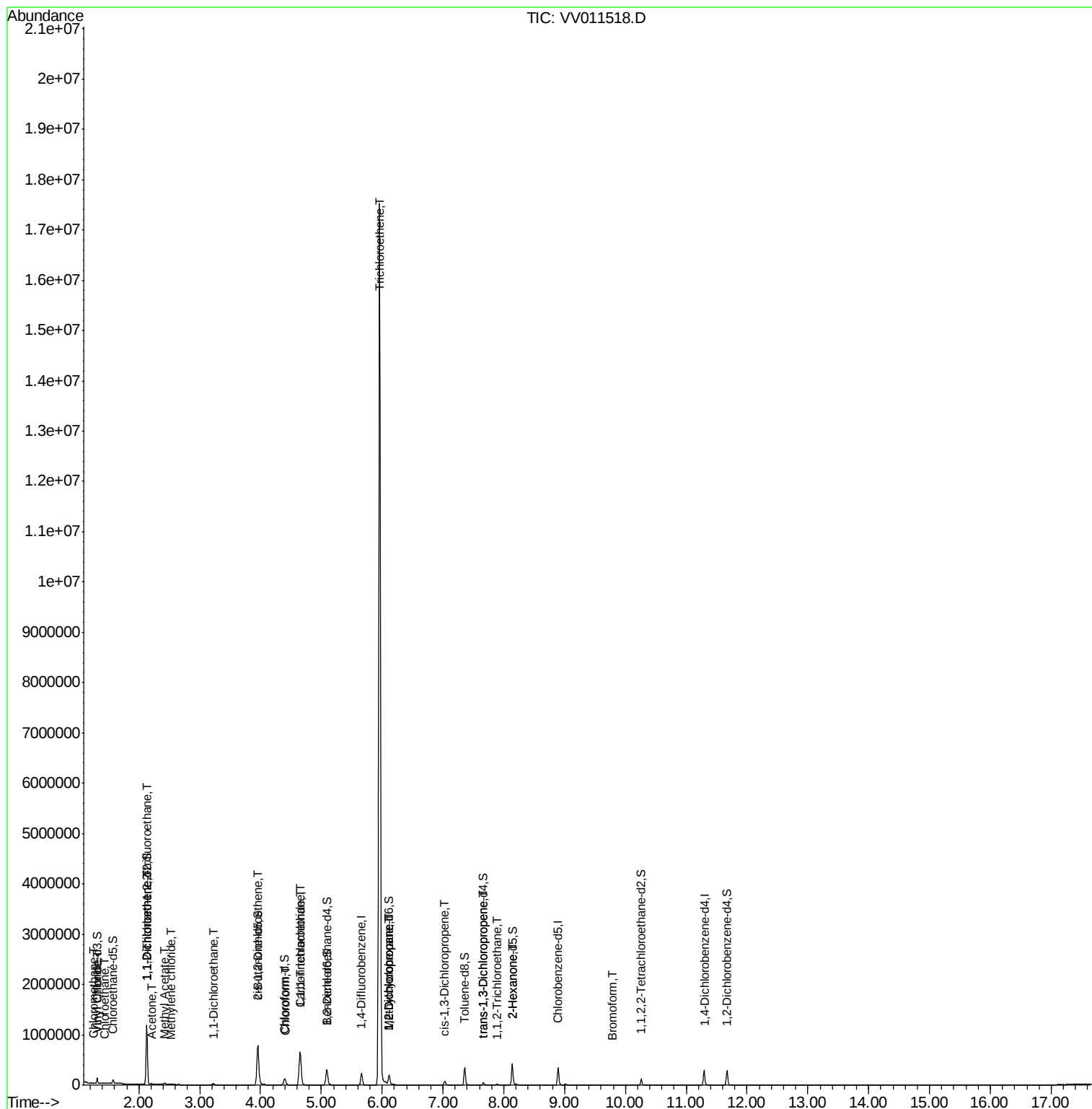
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.66	75	1268	0.090	ug/L	93
45) 1,1,2-Trichloroethane	7.88	97	4461	0.457	ug/L	94
48) 2-Hexanone	8.14	43	20033	2.733	ug/L #	72
61) Bromoform	9.78	173	526	0.122	ug/L #	89

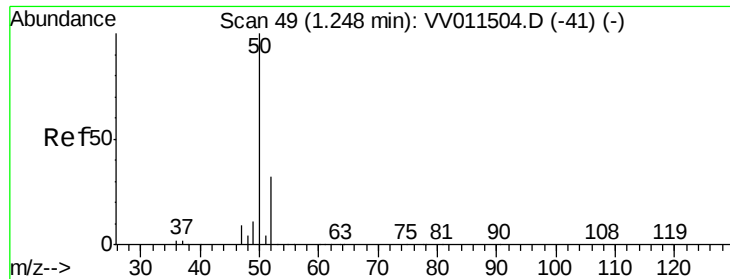
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.235 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011518.D

Acq: 15 Jun 2019 04:15

Instrument :

MSVOA_V

ClientSampled :

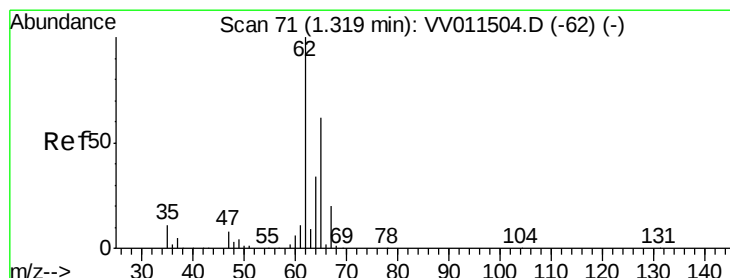
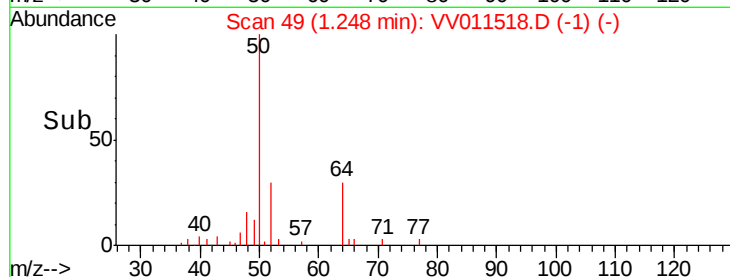
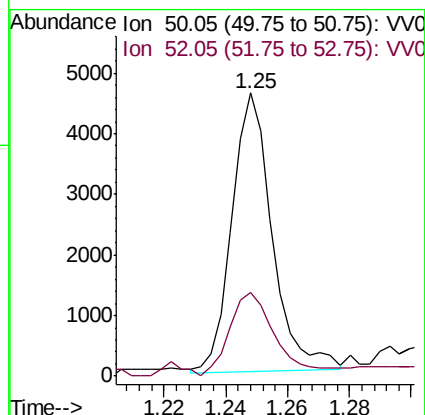
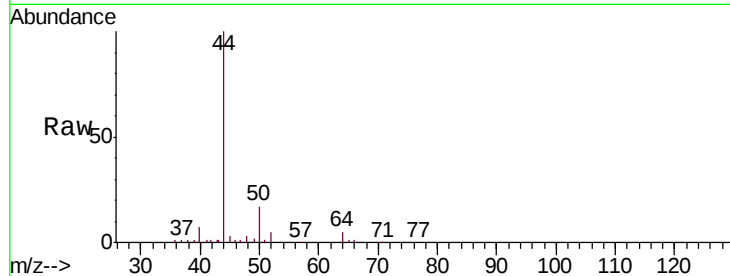
COM11

Tgt Ion: 50 Resp: 4159

Ion Ratio Lower Upper

50 100

52 29.6 22.7 42.1



#5

Vinyl chloride

Concen: 0.158 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011518.D

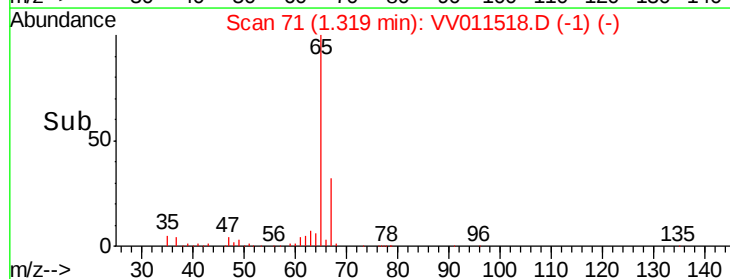
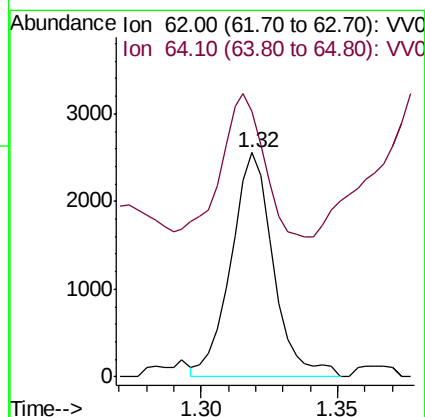
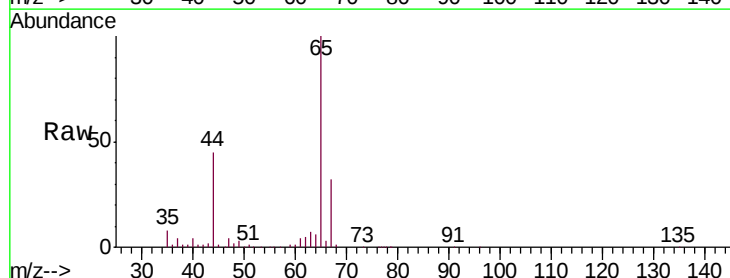
Acq: 15 Jun 2019 04:15

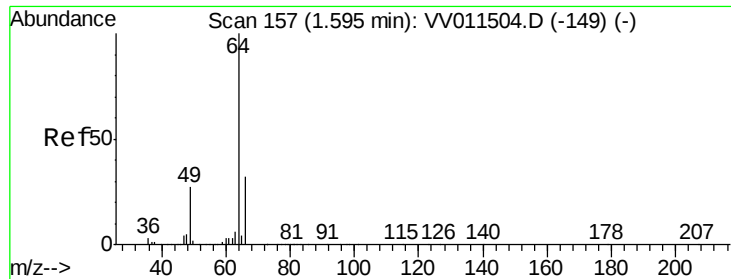
Tgt Ion: 62 Resp: 2752

Ion Ratio Lower Upper

62 100

64 118.4 23.0 42.6#





#8

Chloroethane

Concen: 2.934 ug/L

RT: 1.44 min Scan# 109

Delta R.T. -0.15 min

Lab File: VV011518.D

Acq: 15 Jun 2019 04:15

Instrument :

MSVOA_V

ClientSampleId :

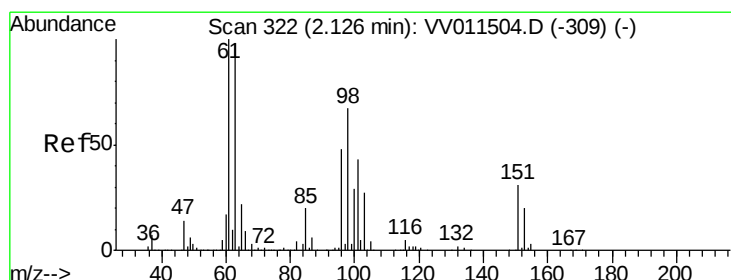
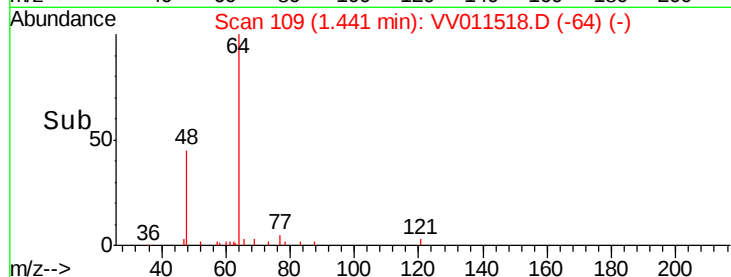
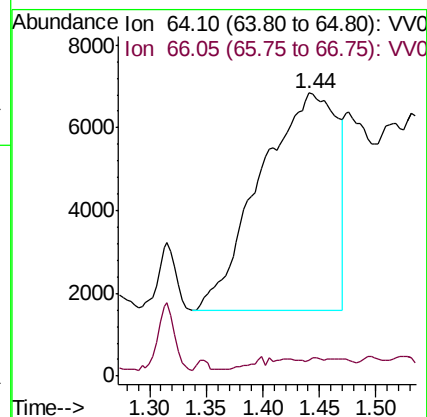
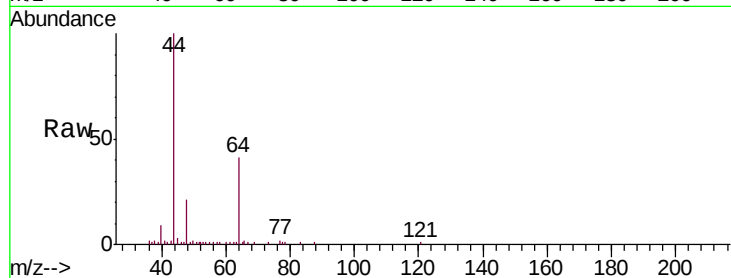
COM11

Tgt Ion: 64 Resp: 24805

Ion Ratio Lower Upper

64 100

66 5.5 21.6 40.2#



#10

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

Concen: 0.187 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV011518.D

Acq: 15 Jun 2019 04:15

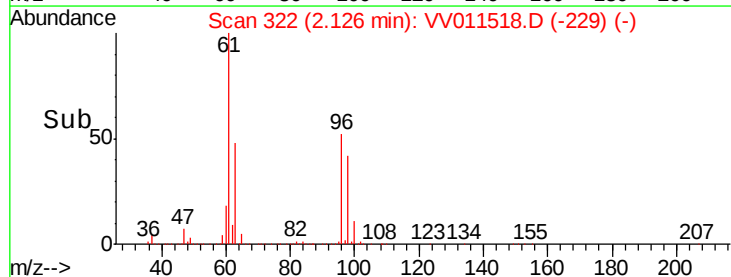
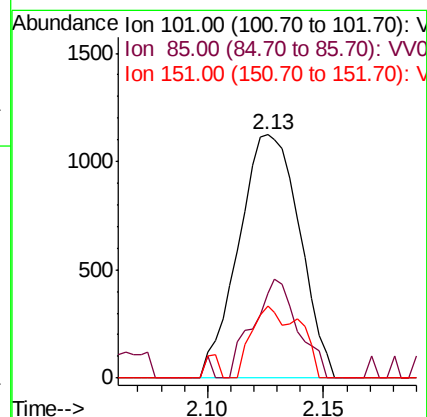
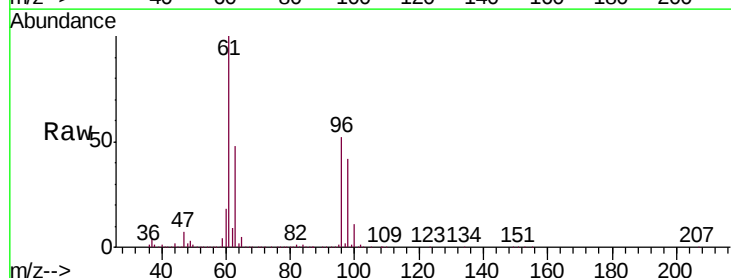
Tgt Ion: 101 Resp: 2050

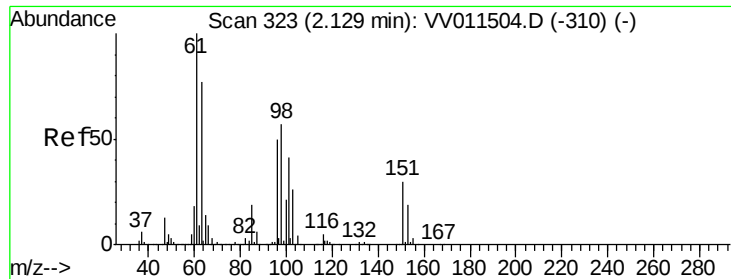
Ion Ratio Lower Upper

101 100

85 29.9 37.3 55.9#

151 23.3 59.4 89.2#





#12

1,1-Dichloroethene

Concen: 25.359 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV011518.D

Acq: 15 Jun 2019 04:15

Instrument :

MSVOA_V

ClientSampleId :

COM11

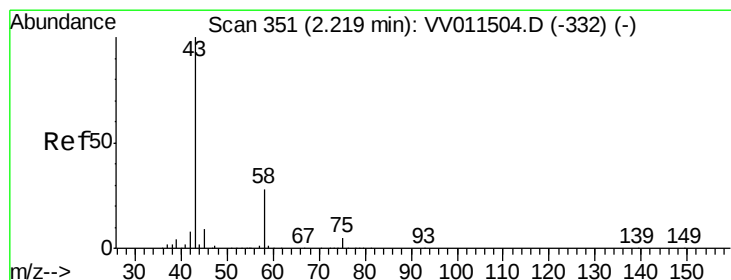
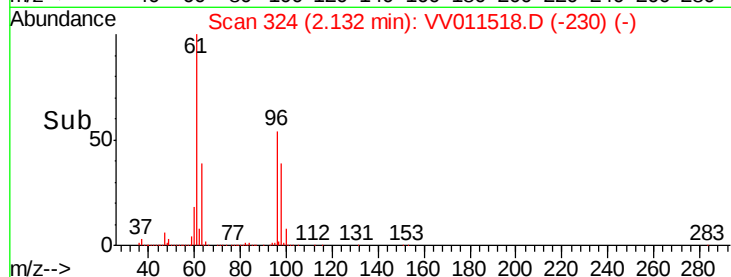
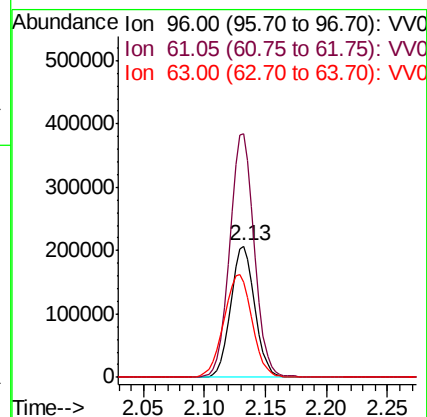
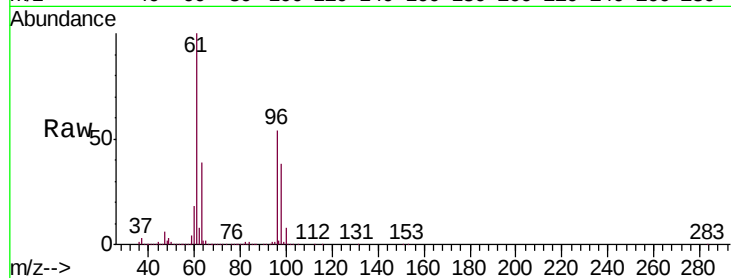
Tgt Ion: 96 Resp: 288540

Ion Ratio Lower Upper

96 100

61 185.8 135.9 252.5

63 72.3 86.2 160.2#



#13

Acetone

Concen: 2.259 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.01 min

Lab File: VV011518.D

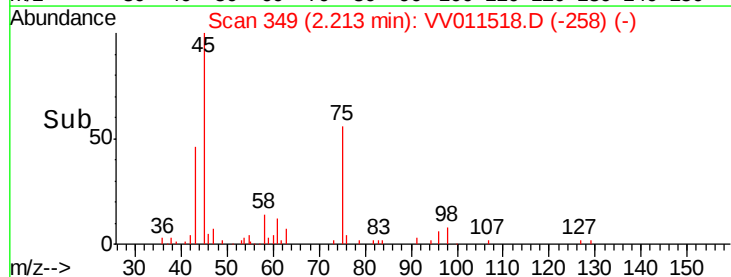
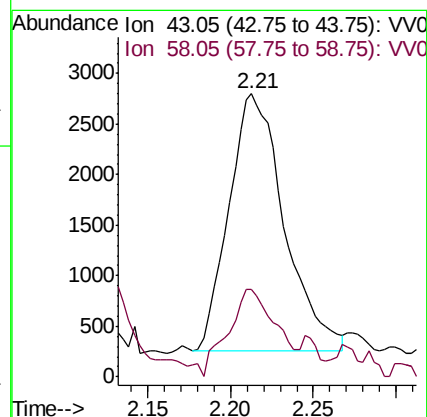
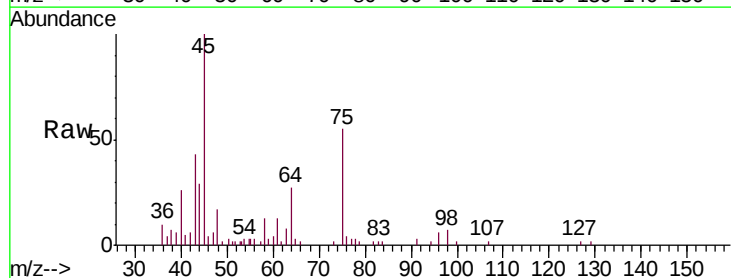
Acq: 15 Jun 2019 04:15

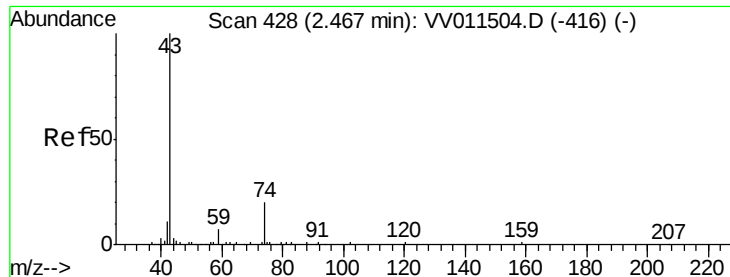
Tgt Ion: 43 Resp: 5918

Ion Ratio Lower Upper

43 100

58 29.4 0.0 57.8

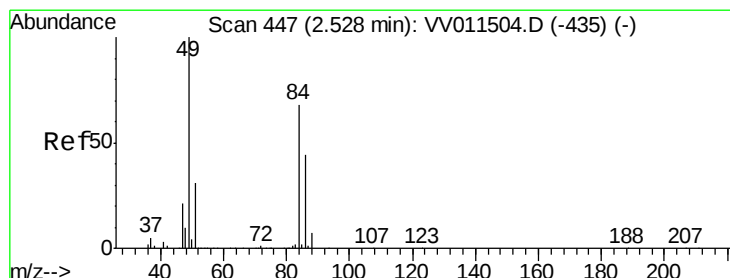
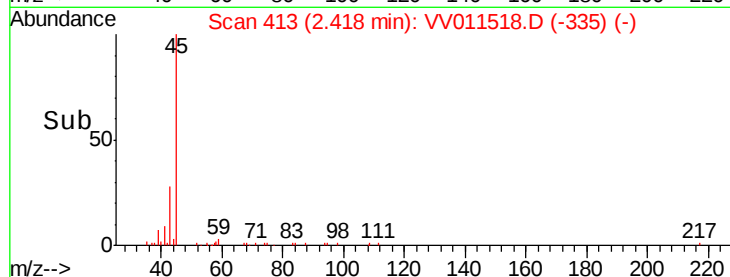
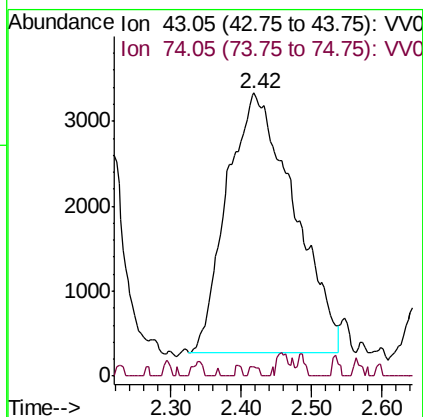
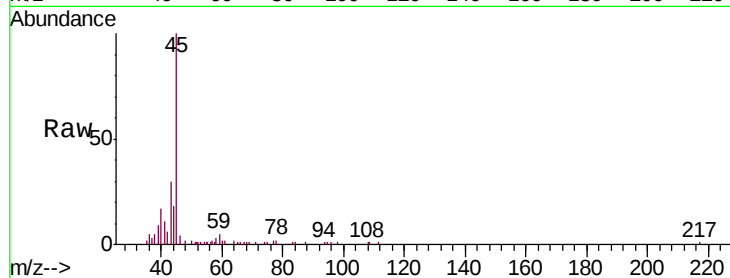




#15
Methyl Acetate
Concen: 2.914 ug/L
RT: 2.42 min Scan# 413
Delta R.T. -0.05 min
Lab File: VV011518.D
Acq: 15 Jun 2019 04:15

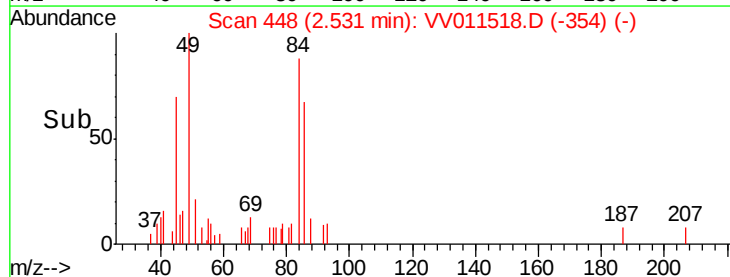
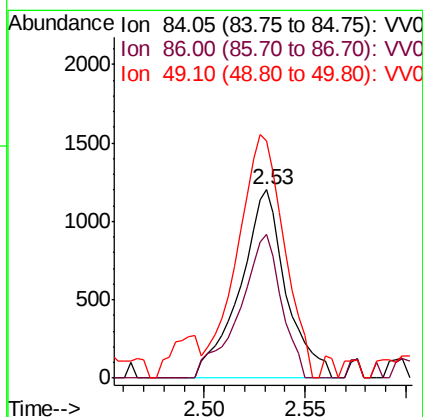
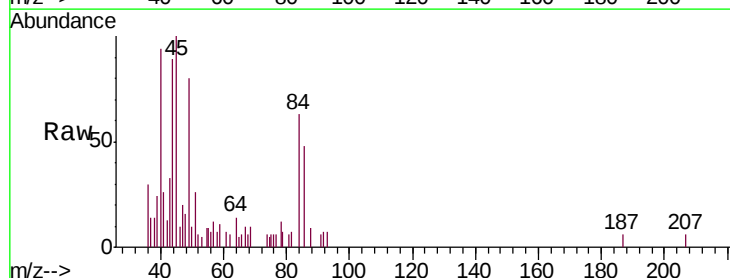
Instrument :
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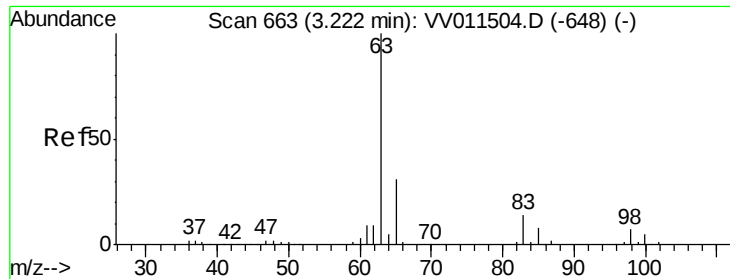
Tgt Ion: 43 Resp: 20237
Ion Ratio Lower Upper
43 100
74 0.5 16.5 24.7#



#16
Methylene chloride
Concen: 0.148 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV011518.D
Acq: 15 Jun 2019 04:15

Tgt Ion: 84 Resp: 1913
Ion Ratio Lower Upper
84 100
86 76.5 42.5 78.9
49 126.3 97.7 181.5

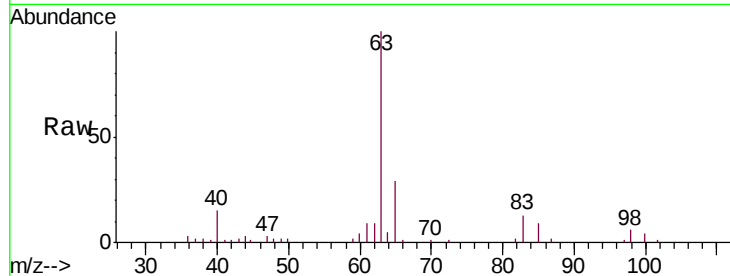




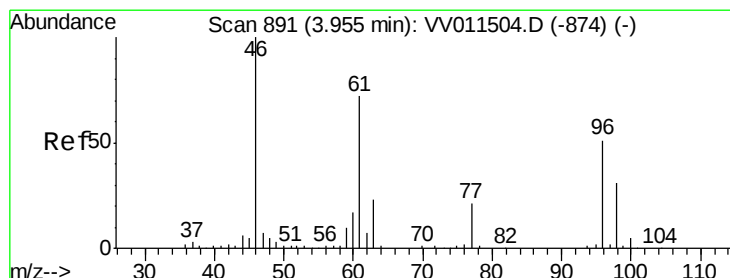
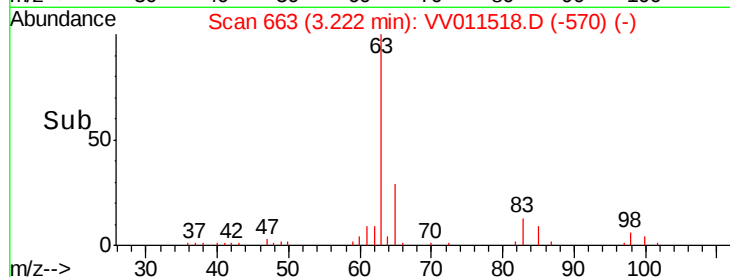
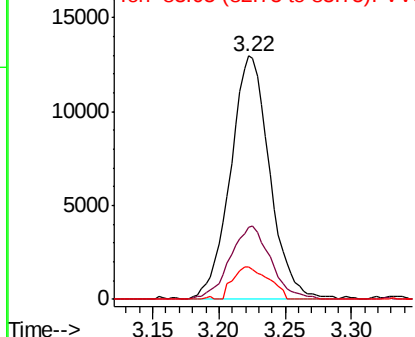
#19
 1,1-Dichloroethane
 Concen: 1.003 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV011518.D
 Acq: 15 Jun 2019 04:15

Instrument :
 MSVOA_V
 ClientSampleId :
 COM11

Tgt Ion: 63 Resp: 26703
 Ion Ratio Lower Upper
 63 100
 65 29.4 22.5 41.9
 83 13.4 10.1 18.9

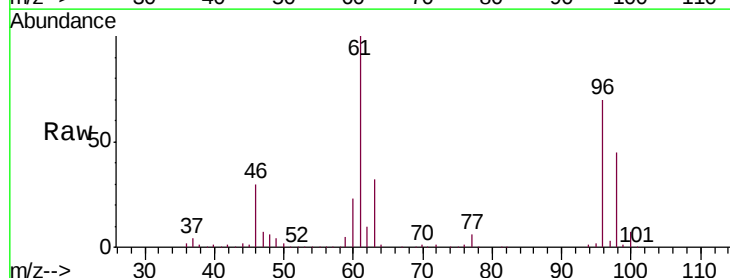


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

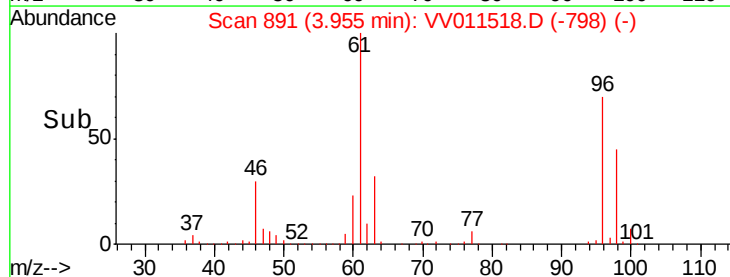
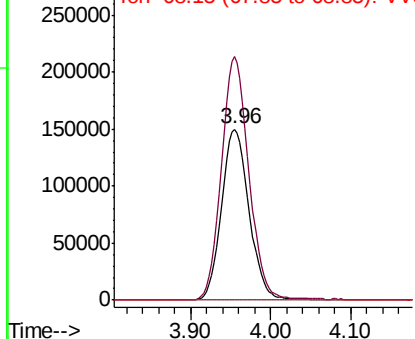


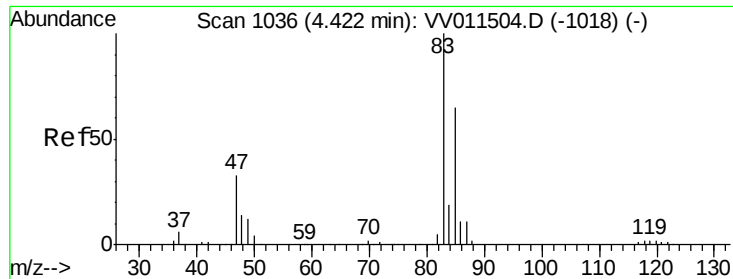
#22
 cis-1,2-Dichloroethene
 Concen: 24.442 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VV011518.D
 Acq: 15 Jun 2019 04:15

Tgt Ion: 96 Resp: 356266
 Ion Ratio Lower Upper
 96 100
 61 142.6 102.2 189.8
 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

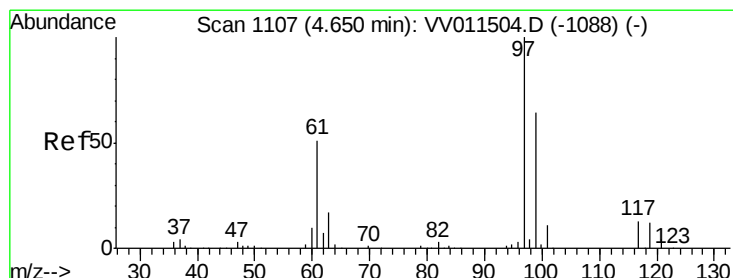
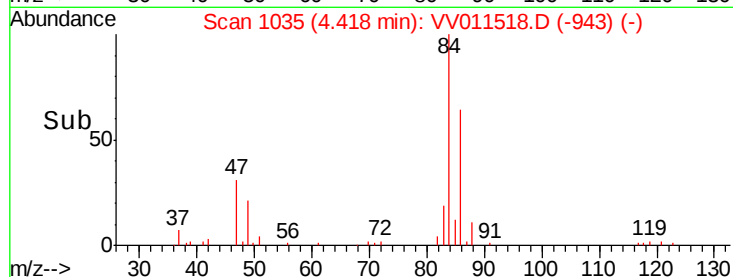
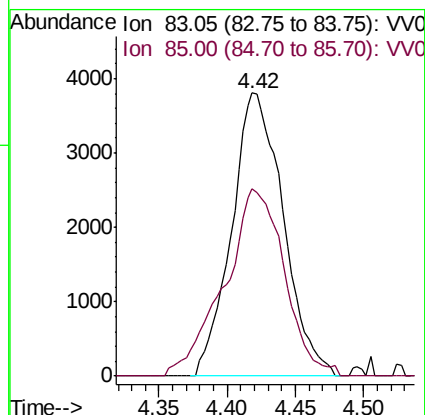
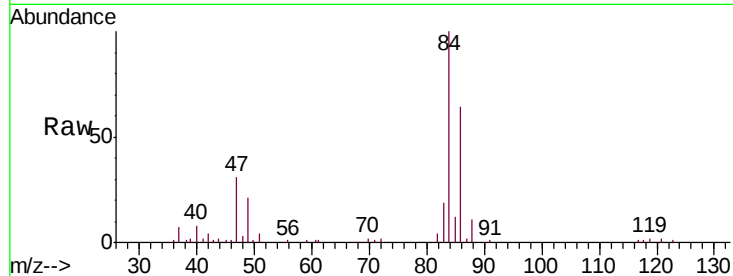




#25
Chloroform
Concen: 0.374 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VV011518.D
Acq: 15 Jun 2019 04:15

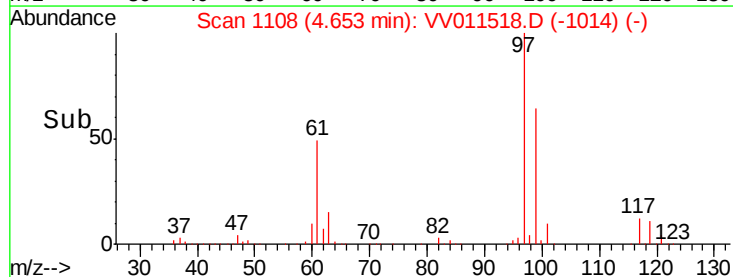
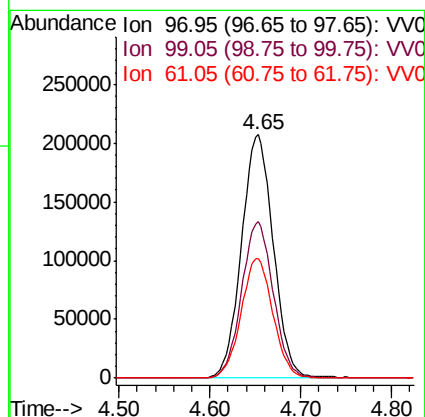
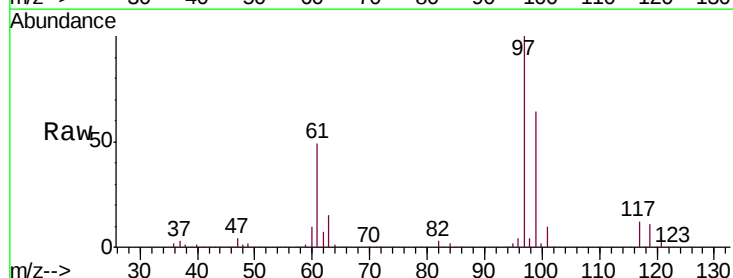
Instrument :
MSVOA_V
ClientSampleId :
COM11

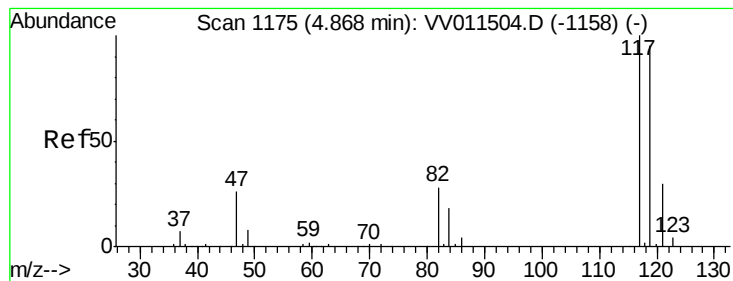
Tgt Ion: 83 Resp: 9991
Ion Ratio Lower Upper
83 100
85 66.2 44.6 82.8



#29
1,1,1-Trichloroethane
Concen: 24.079 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV011518.D
Acq: 15 Jun 2019 04:15

Tgt Ion: 97 Resp: 504078
Ion Ratio Lower Upper
97 100
99 63.9 51.6 77.4
61 49.0 40.4 60.6





#31

Carbon tetrachloride

Concen: 3.537 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.22 min

Lab File: VV011518.D

Acq: 15 Jun 2019 04:15

Instrument :

MSVOA_V

ClientSampled :

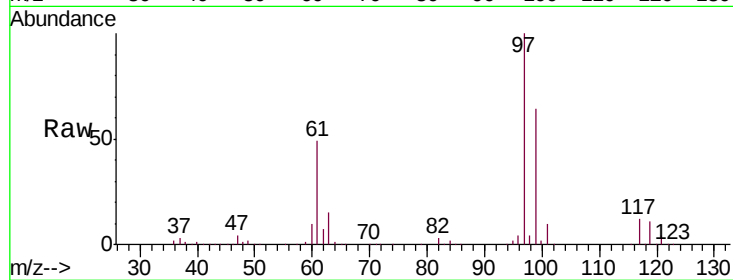
COM11

Tgt Ion:117 Resp: 59919

Ion Ratio Lower Upper

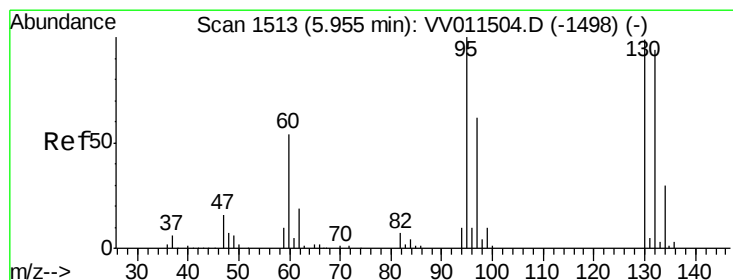
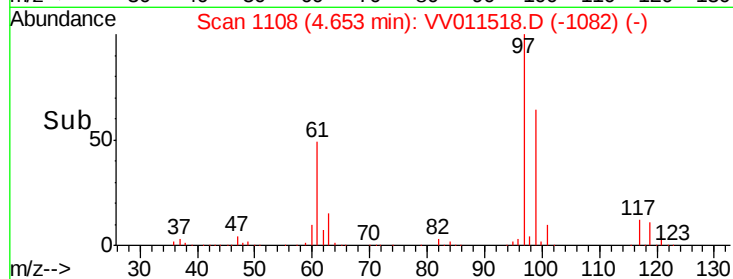
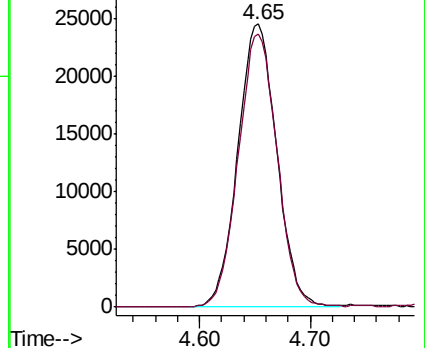
117 100

119 96.4 77.4 116.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 421.954 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011518.D

Acq: 15 Jun 2019 04:15

Tgt Ion: 95 Resp: 5913550

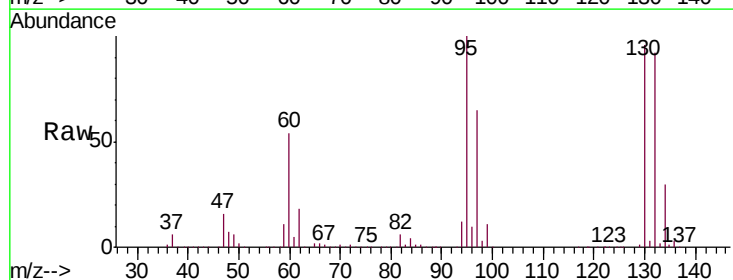
Ion Ratio Lower Upper

95 100

97 65.4 44.4 82.4

132 91.8 63.5 117.9

130 95.6 68.5 127.3

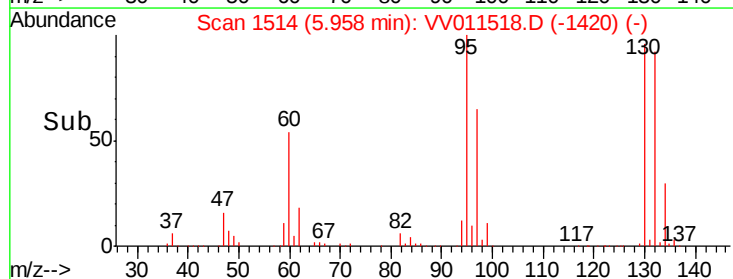
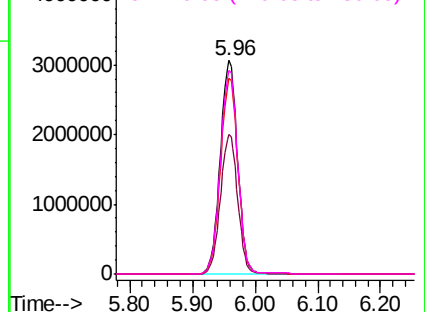


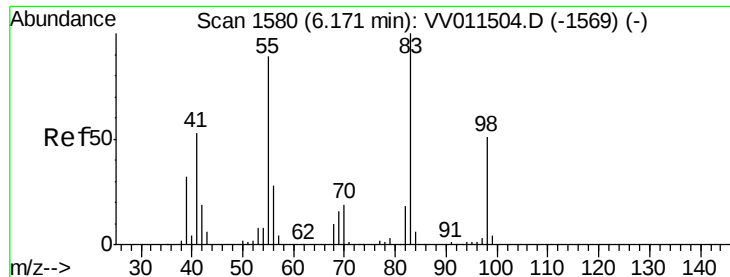
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

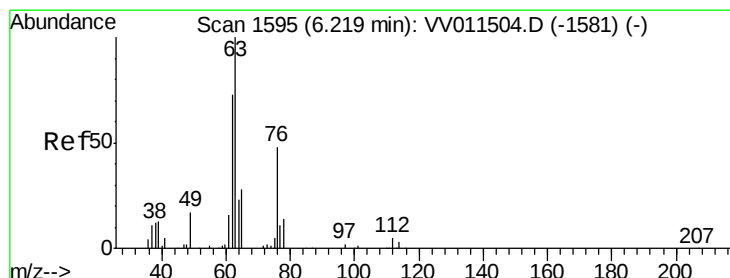
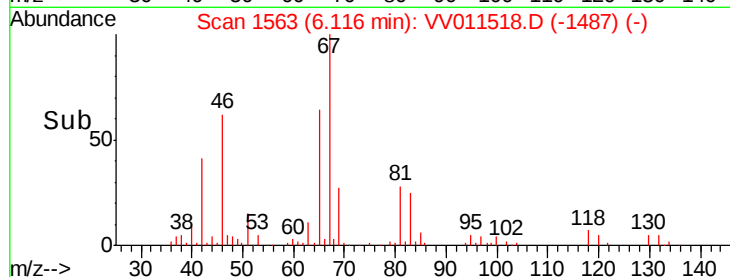
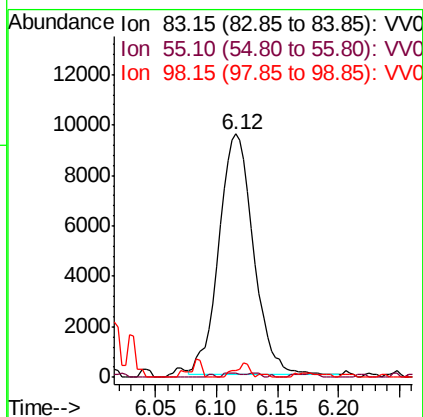
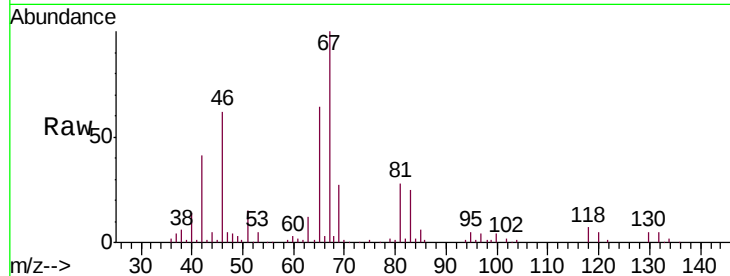




#35
Methylcyclohexane
Concen: 0.948 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV011518.D
Acq: 15 Jun 2019 04:15

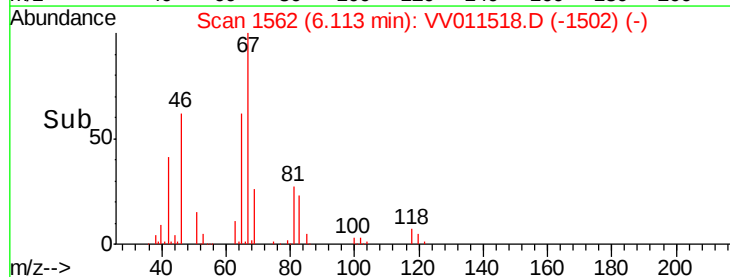
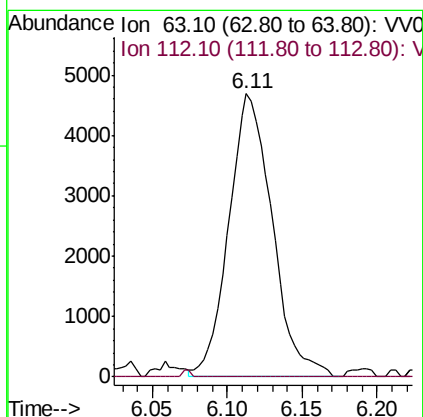
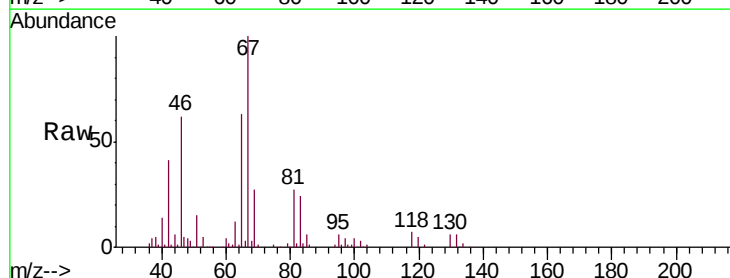
Instrument :
MSVOA_V
ClientSampleId :
COM11

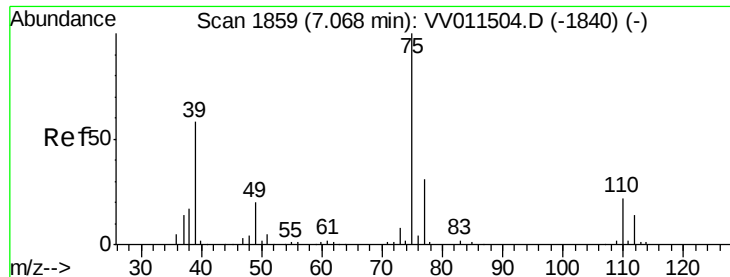
Tgt Ion: 83 Resp: 18937
Ion Ratio Lower Upper
83 100
55 0.9 67.9 101.9#
98 0.0 39.6 59.4#



#37
1,2-Dichloropropane
Concen: 0.649 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.11 min
Lab File: VV011518.D
Acq: 15 Jun 2019 04:15

Tgt Ion: 63 Resp: 9491
Ion Ratio Lower Upper
63 100
112 0.5 3.7 5.5#

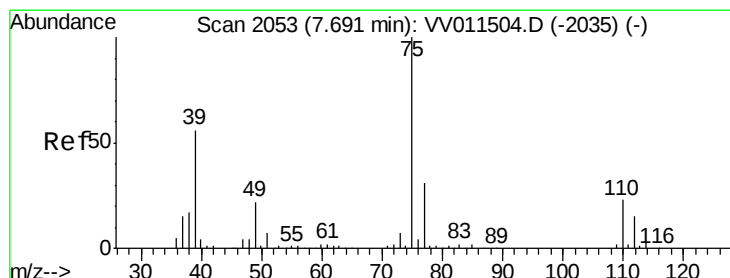
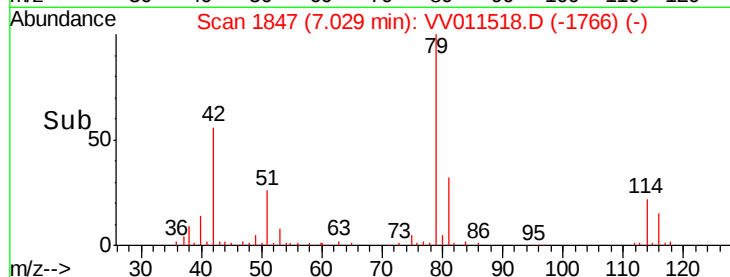
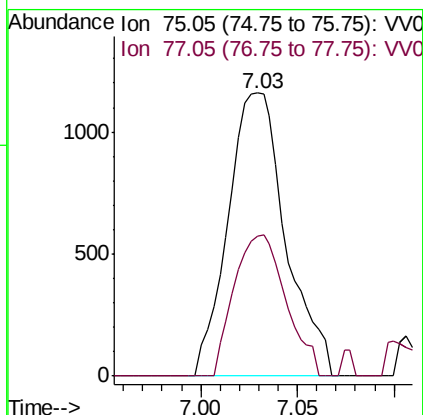
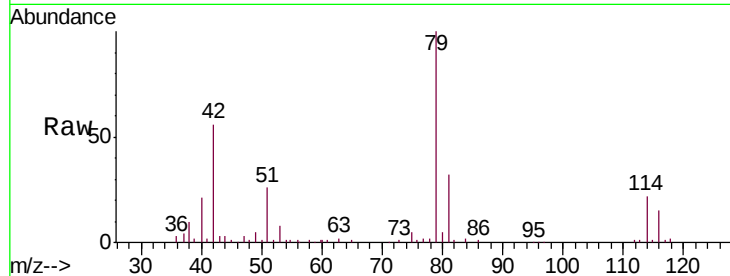




#39
 cis-1,3-Dichloropropene
 Concen: 0.131 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV011518.D
 Acq: 15 Jun 2019 04:15

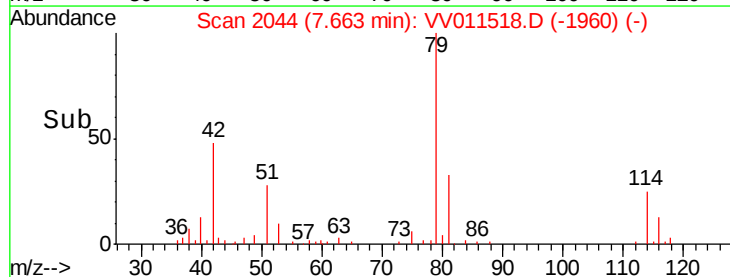
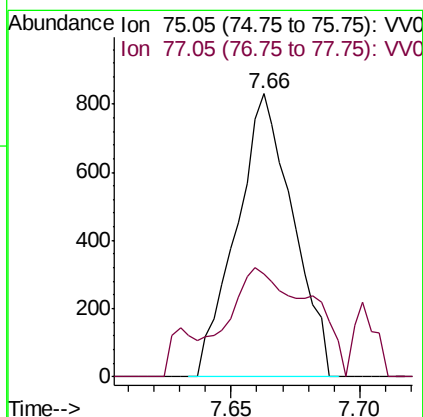
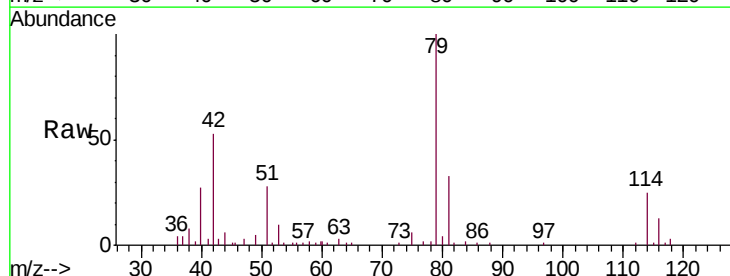
Instrument :
 MSVOA_V
 ClientSampleId :
 COM11

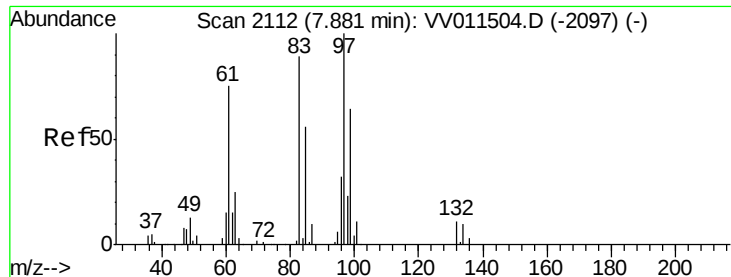
Tgt Ion: 75 Resp: 2416
 Ion Ratio Lower Upper
 75 100
 77 49.6 20.6 38.4#



#44
 trans-1,3-Dichloropropene
 Concen: 0.090 ug/L
 RT: 7.66 min Scan# 2044
 Delta R.T. -0.03 min
 Lab File: VV011518.D
 Acq: 15 Jun 2019 04:15

Tgt Ion: 75 Resp: 1268
 Ion Ratio Lower Upper
 75 100
 77 36.5 22.8 42.4

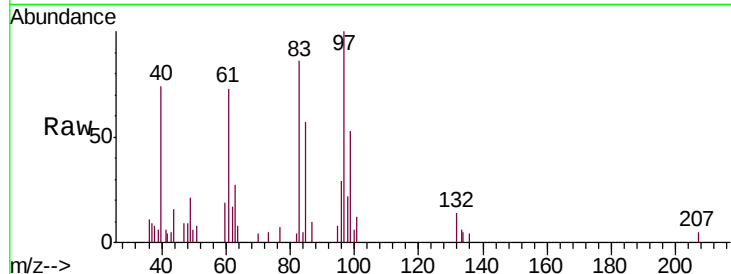




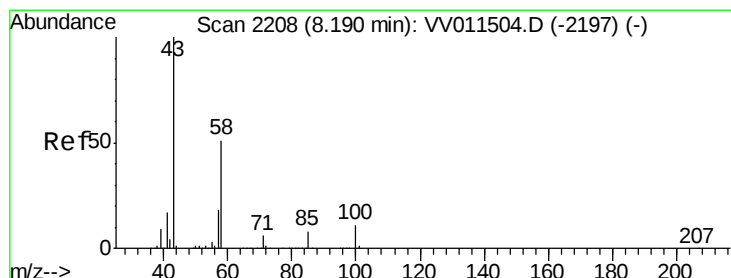
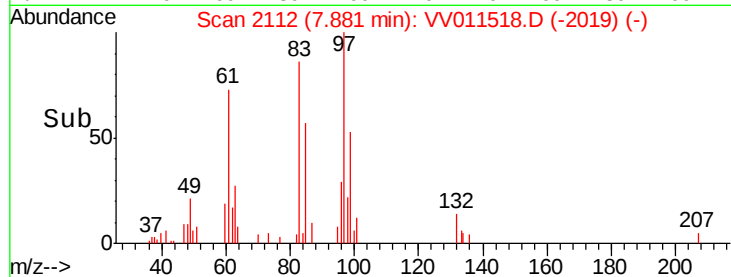
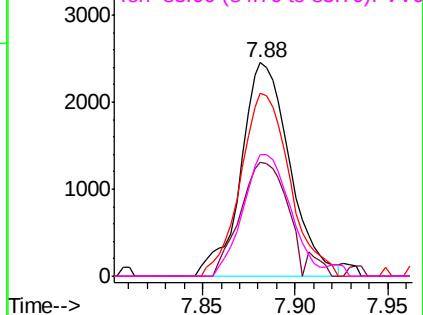
#45
 1,1,2-Trichloroethane
 Concen: 0.457 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV011518.D
 Acq: 15 Jun 2019 04:15

Instrument :
 MSVOA_V
 ClientSampleId :
 COM11

Tgt Ion:	97	Resp:	4461
Ion	Ratio	Lower	Upper
97	100		
99	53.2	45.4	84.4
83	86.0	60.6	112.6
85	57.1	38.6	71.6

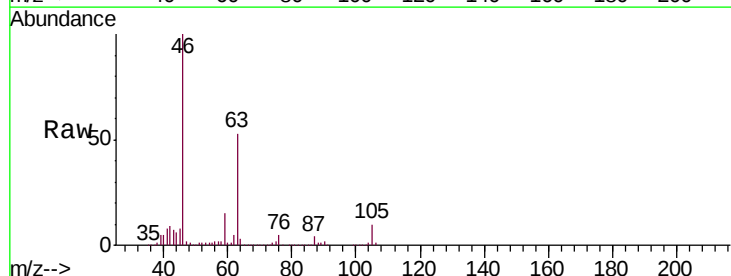


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

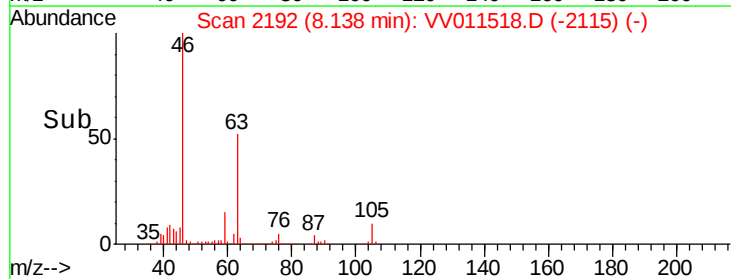
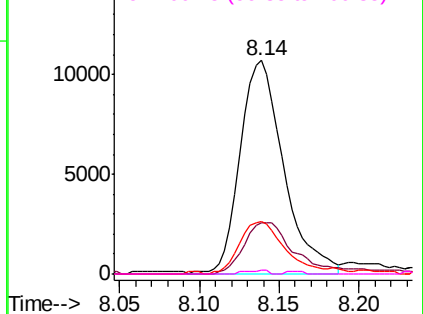


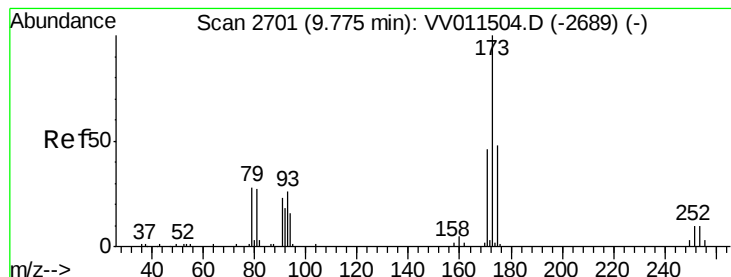
#48
 2-Hexanone
 Concen: 2.733 ug/L
 RT: 8.14 min Scan# 2192
 Delta R.T. -0.05 min
 Lab File: VV011518.D
 Acq: 15 Jun 2019 04:15

Tgt Ion:	43	Resp:	20033
Ion	Ratio	Lower	Upper
43	100		
58	28.7	40.6	60.8#
57	26.4	14.2	21.4#
100	0.8	8.6	12.8#



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 58.05 (57.75 to 58.75): VV0
 Ion 57.20 (56.90 to 57.90): VV0
 Ion 100.15 (99.85 to 100.85): VV0





#61

Bromoform

Concen: 0.122 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV011518.D

Acq: 15 Jun 2019 04:15

Instrument :
MSVOA_V
ClientSampleId :
COM11

Tgt Ion:173 Resp: 526

Ion Ratio Lower Upper

173 100

175 53.0 38.3 57.5

254 0.0 7.9 11.9#

