

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090919\
 Data File : VV012633.D
 Acq On : 09 Sep 2019 20:01
 Operator : SY/MD
 Sample : K4724-05
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 10 09:34:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 10 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	402435	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	404565	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	163804	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	125949	4.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.20%
7) Chloroethane-d5	1.58	69	110698	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.13	63	151912	3.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.00%
20) 2-Butanone-d5	3.93	46	387814	59.04	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.08%
24) Chloroform-d	4.40	84	241174	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.08	65	124163	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.10	84	451383	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.12	67	155438	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.36	98	368019	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	7.66	79	47027	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.13	63	199146	49.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.68%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	121444	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	149907	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

					Ovalue
8) Chloroethane	1.48	64	6637	0.321 ug/L #	53
12) 1,1-Dichloroethene	2.14	96	3430	0.137 ug/L #	1
13) Acetone	2.19	43	22604	5.871 ug/L	96
14) Carbon disulfide	2.32	76	8064	0.120 ug/L #	85
15) Methyl Acetate	2.46	43	2639	0.255 ug/L #	75
17) Methyl tert-butyl Ether	2.80	73	28082	0.479 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	3607	0.128 ug/L	96
19) 1,1-Dichloroethane	3.23	63	3367	0.064 ug/L #	87
22) cis-1,2-Dichloroethene	3.96	96	170388	5.581 ug/L	97
27) 1,2-Dichloroethane	5.10	62	2904	0.095 ug/L	97
34) Trichloroethene	5.96	95	567094	17.356 ug/L	98
35) Methylcyclohexane	6.12	83	37596	0.814 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	16717	0.568 ug/L #	87
42) Toluene	7.43	91	12050	0.098 ug/L	91
44) trans-1,3-Dichloropropene	7.67	75	2062	0.071 ug/L	95
47) Tetrachloroethene	8.02	164	425137	16.576 ug/L	99
48) 2-Hexanone	8.18	43	42947	3.676 ug/L #	76

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 10 09:27:53 2019
Response via : Initial Calibration

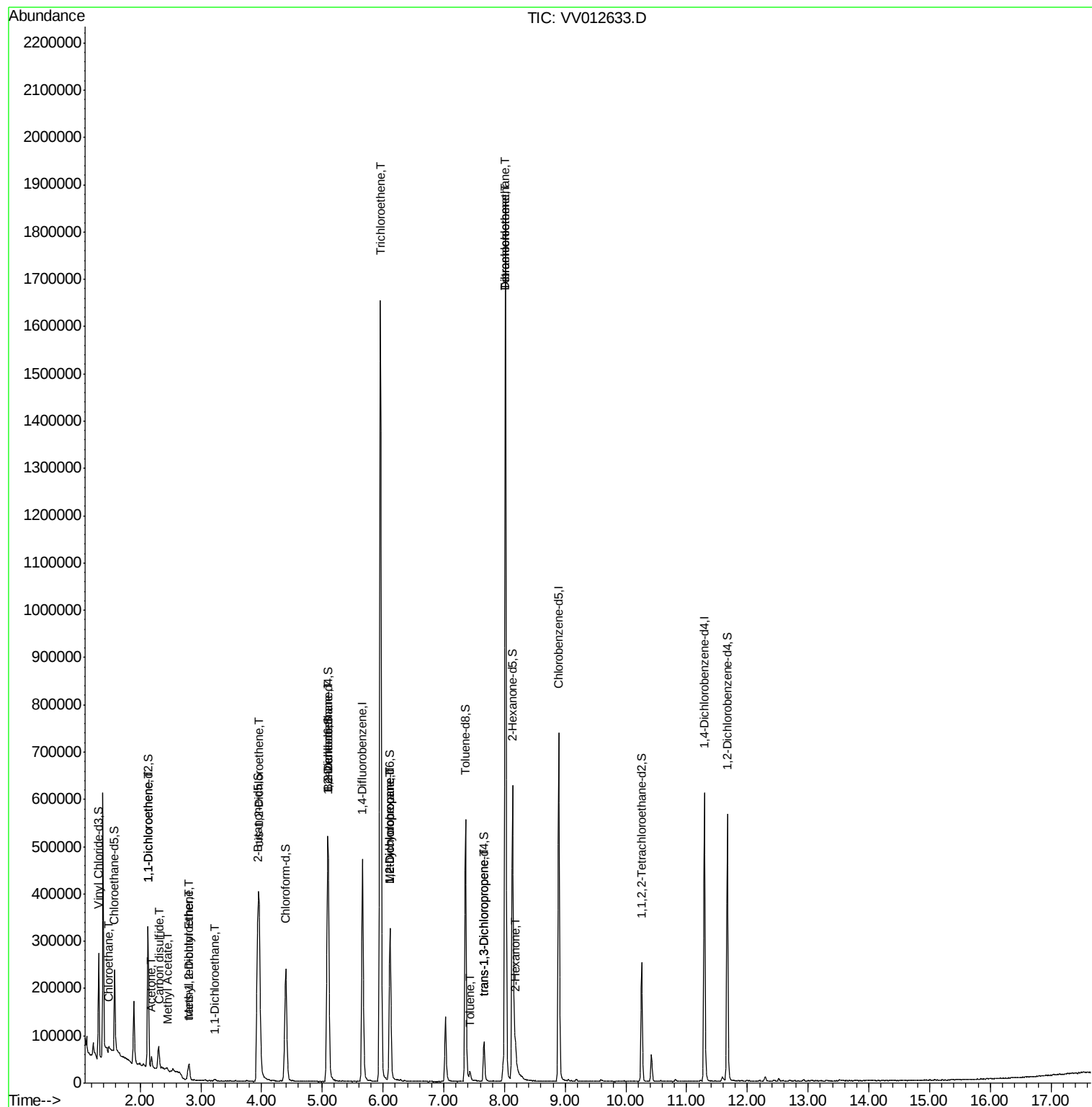
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
49) Dibromochloromethane	8.02	129	368320	15.096	ug/L #	11
-----	-----	-----	-----	-----	-----	-----

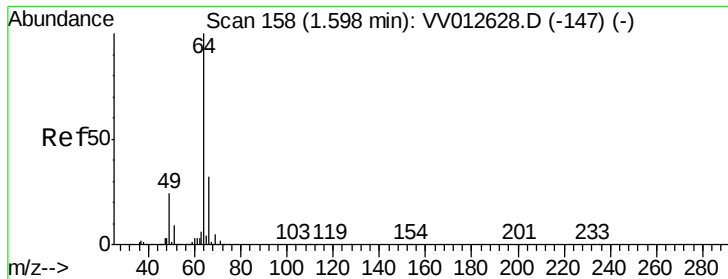
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 10 09:27:53 2019
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.321 ug/L

RT: 1.48 min Scan# 122

Delta R.T. -0.12 min

Lab File: VV012633.D

Acq: 09 Sep 2019 20:01

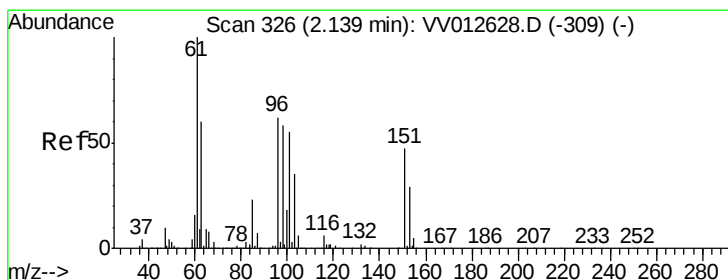
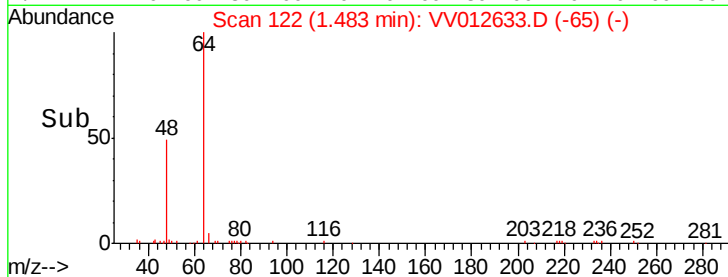
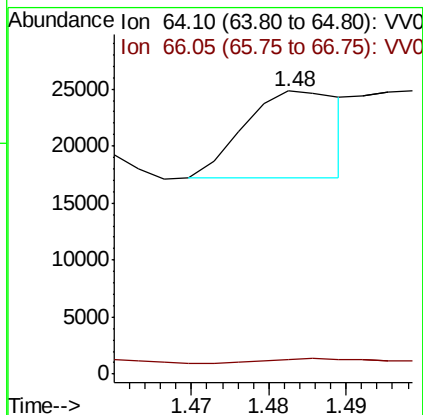
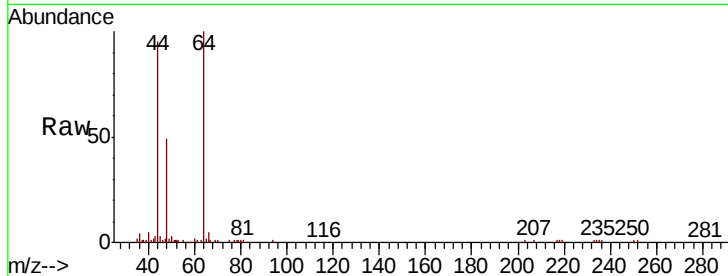
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 6637

Ion Ratio Lower Upper

64 100

66 5.2 21.6 40.0#



#12

1,1-Dichloroethene

Concen: 0.137 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012633.D

Acq: 09 Sep 2019 20:01

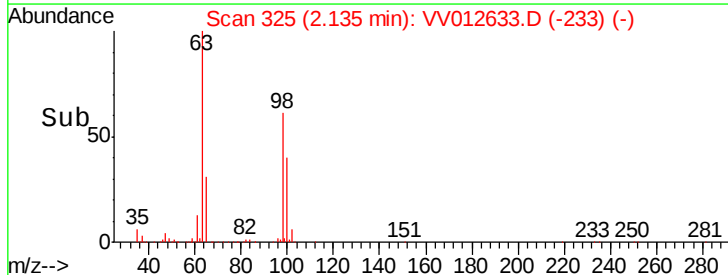
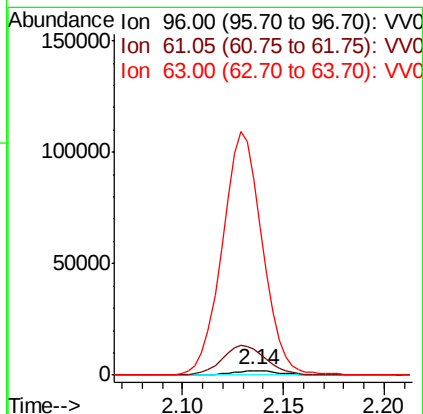
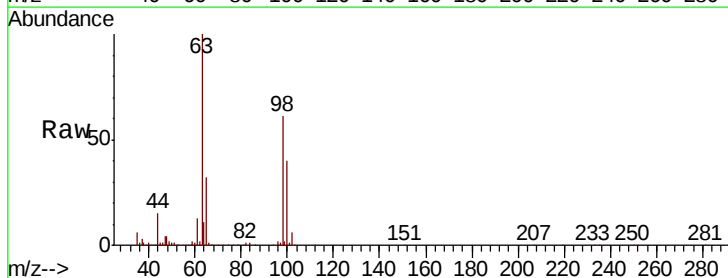
Tgt Ion: 96 Resp: 3430

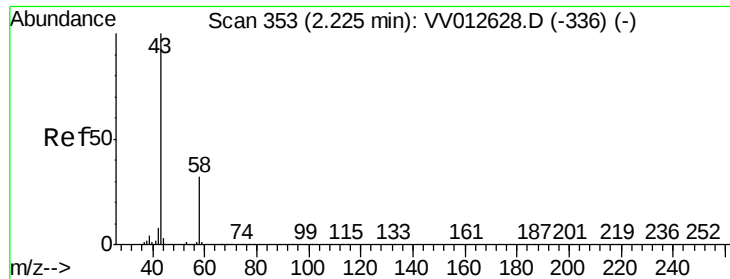
Ion Ratio Lower Upper

96 100

61 580.3 115.8 215.0#

63 4448.2 79.4 147.4#





#13

Acetone

Concen: 5.871 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.04 min

Lab File: VV012633.D

Acq: 09 Sep 2019 20:01

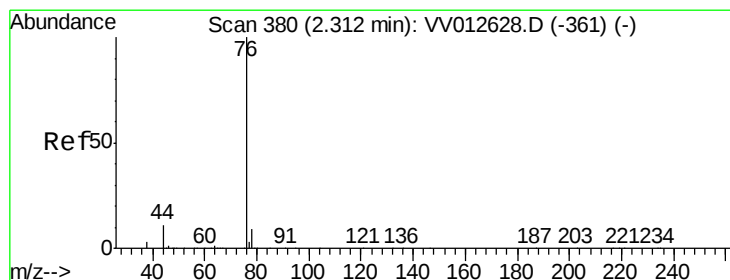
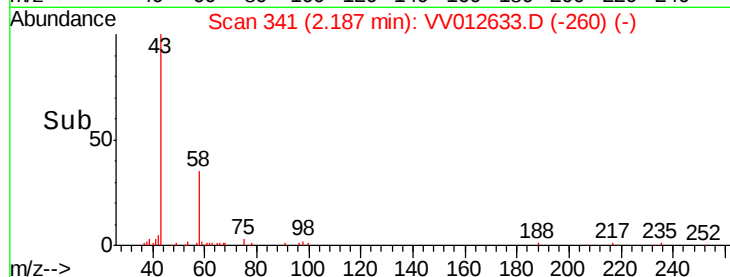
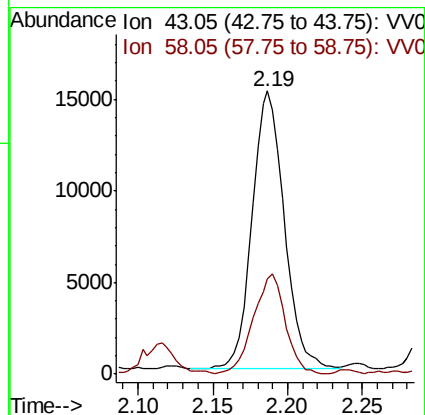
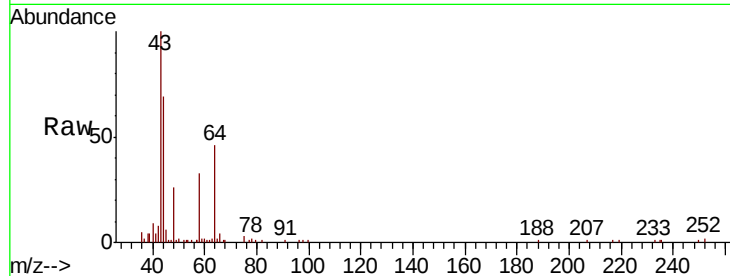
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 22604

Ion Ratio Lower Upper

43 100

58 35.9 0.0 67.4



#14

Carbon disulfide

Concen: 0.120 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV012633.D

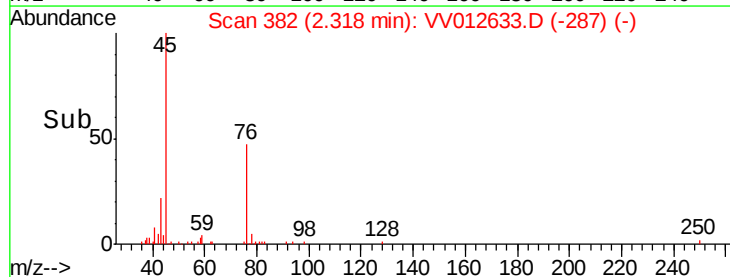
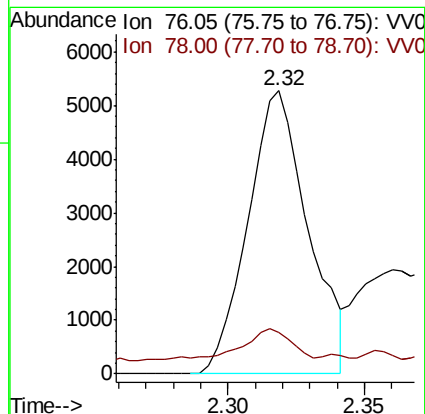
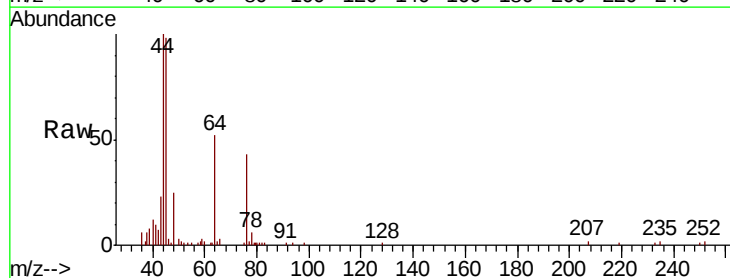
Acq: 09 Sep 2019 20:01

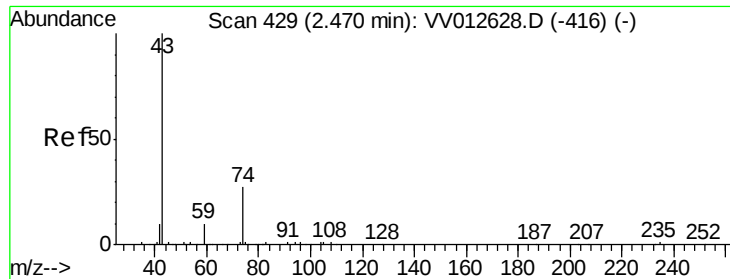
Tgt Ion: 76 Resp: 8064

Ion Ratio Lower Upper

76 100

78 14.6 7.4 11.2#

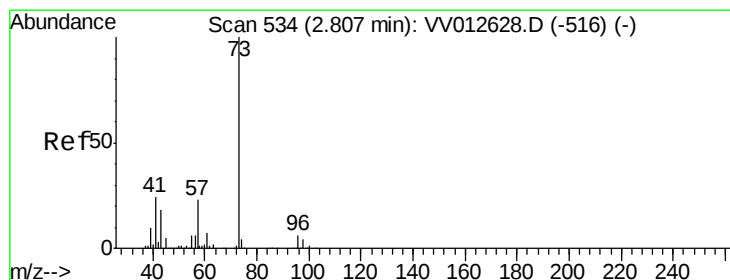
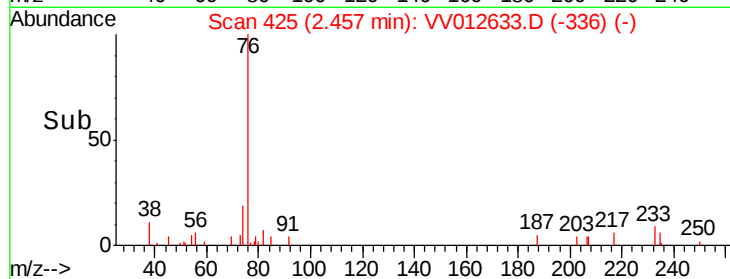
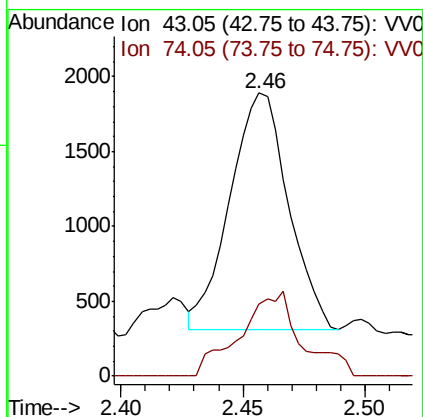
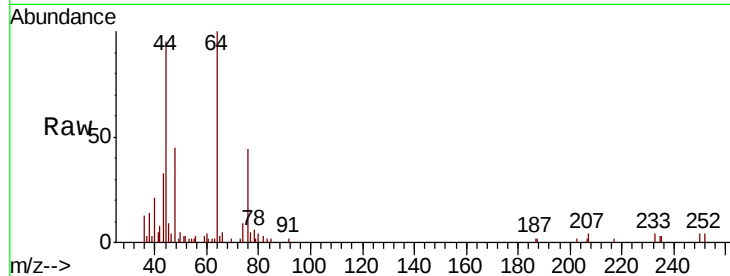




#15
Methvl Acetate
Concen: 0.255 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV012633.D
Acq: 09 Sep 2019 20:01

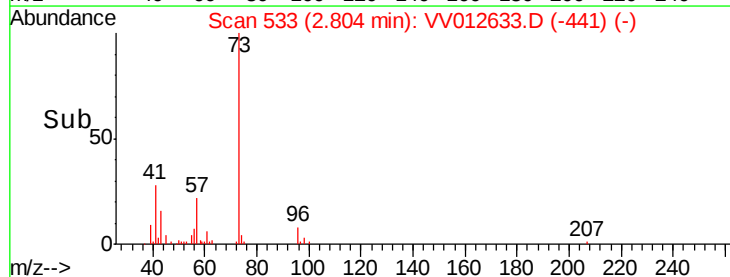
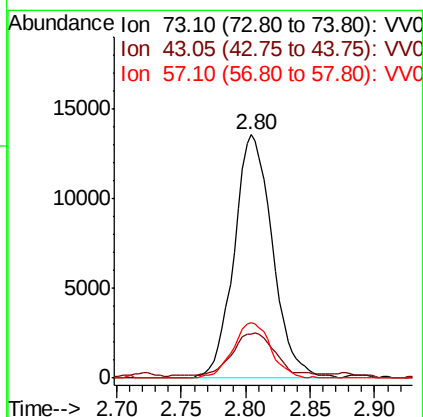
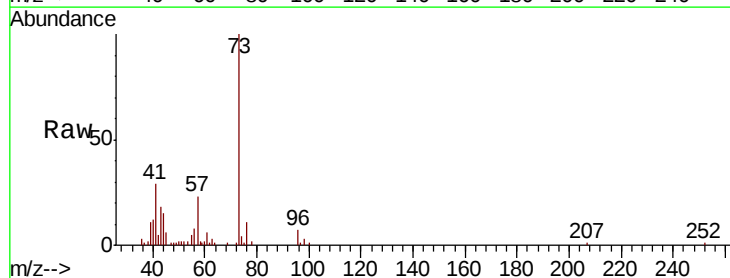
Instrument :
MSVOA_V
ClientSampled :

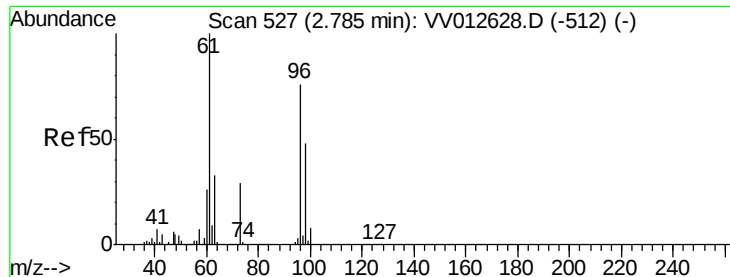
Tot Ion: 43 Resp: 2639
Ion Ratio Lower Upper
43 100
74 37.1 19.8 29.6#



#17
Methyl tert-butyl Ether
Concen: 0.479 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV012633.D
Acq: 09 Sep 2019 20:01

Tgt Ion: 73 Resp: 28082
Ion Ratio Lower Upper
73 100
43 18.9 14.6 21.8
57 22.4 18.2 27.2

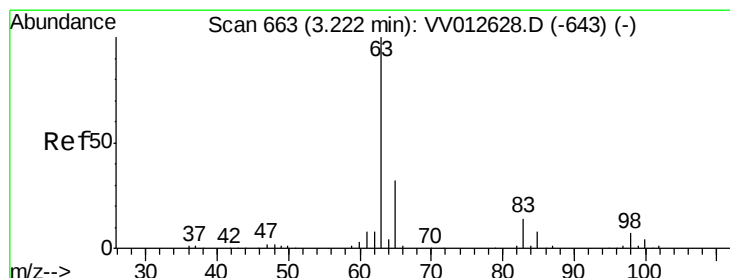
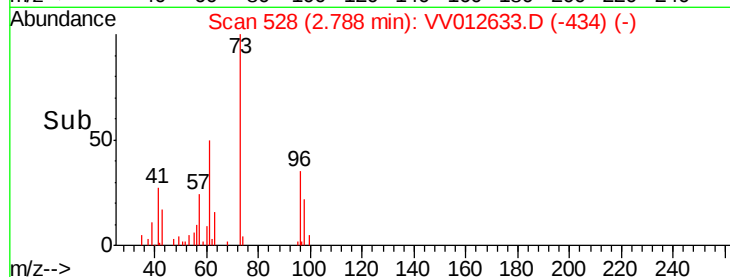
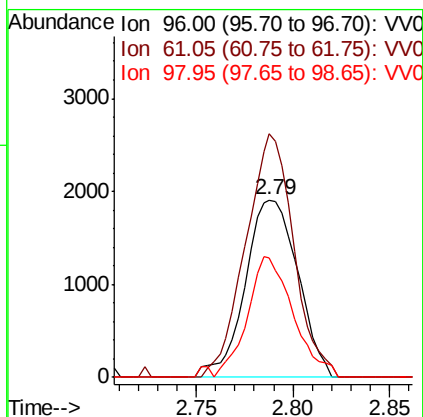
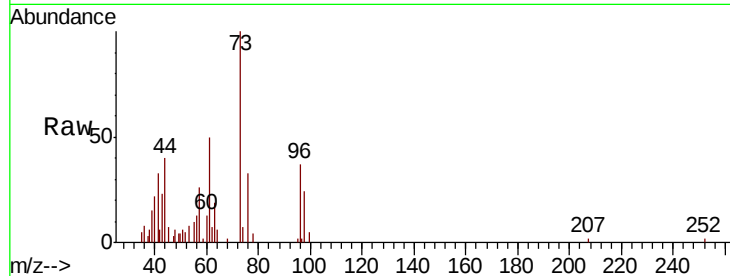




#18
trans-1,2-Dichloroethene
Concen: 0.128 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV012633.D
Acq: 09 Sep 2019 20:01

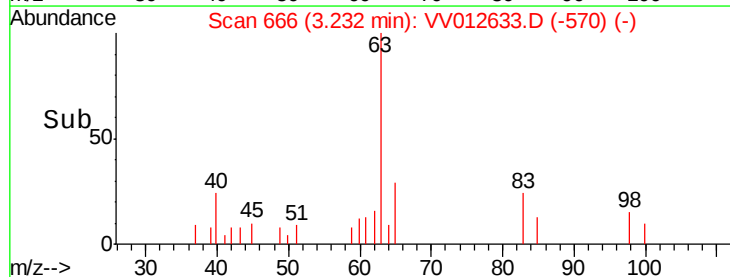
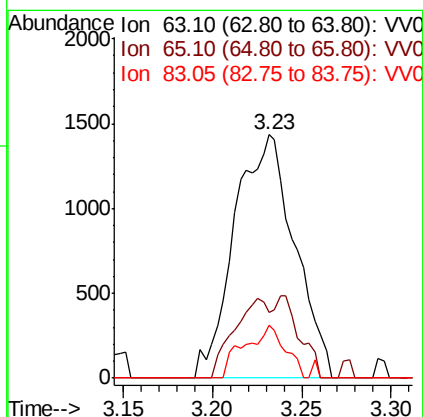
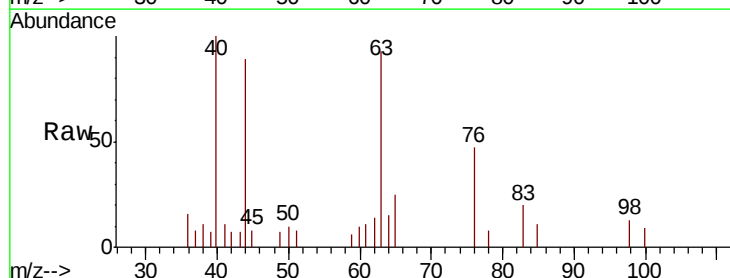
Instrument :
MSVOA_V
ClientSampleId :

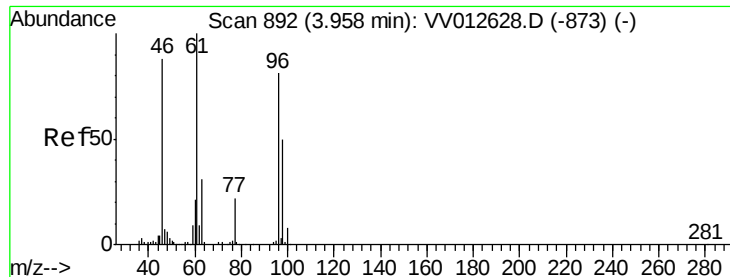
Tot Ion: 96 Resp: 3607
Ion Ratio Lower Upper
96 100
61 137.2 93.0 172.8
98 67.0 44.7 83.1



#19
1,1-Dichloroethane
Concen: 0.064 ug/L
RT: 3.23 min Scan# 666
Delta R.T. 0.01 min
Lab File: VV012633.D
Acq: 09 Sep 2019 20:01

Tgt Ion: 63 Resp: 3367
Ion Ratio Lower Upper
63 100
65 27.0 22.7 42.3
83 21.9 9.1 16.9#

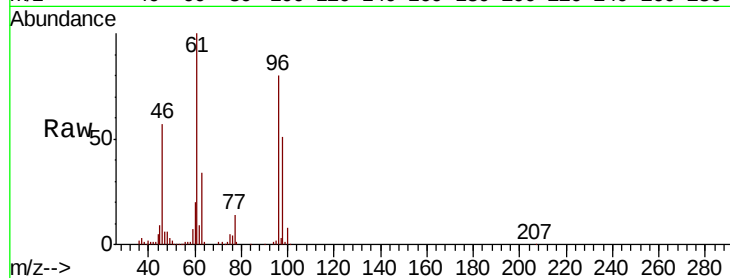




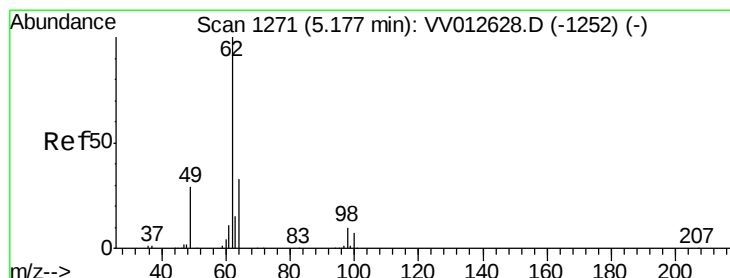
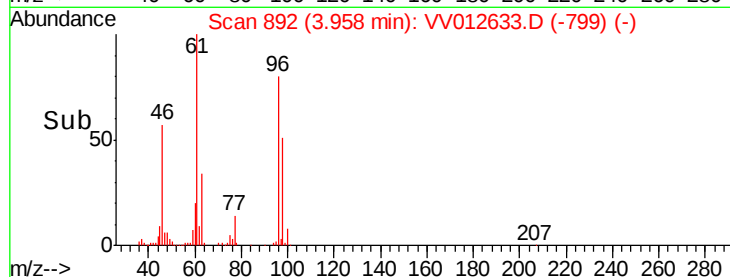
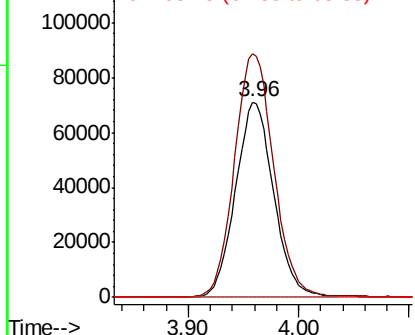
#22
 cis-1,2-Dichloroethene
 Concen: 5.581 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012633.D
 Acq: 09 Sep 2019 20:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 170388
 Ion Ratio Lower Upper
 96 100
 61 124.9 89.7 166.5
 68 0.0 0.0 0.0

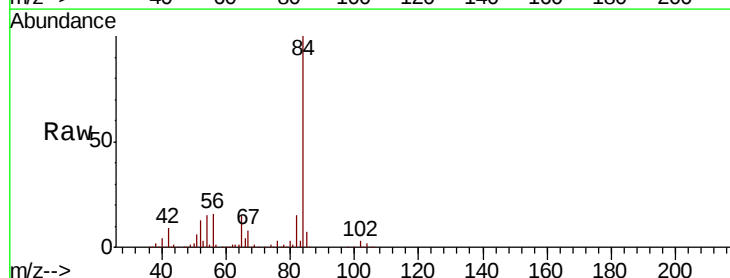


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

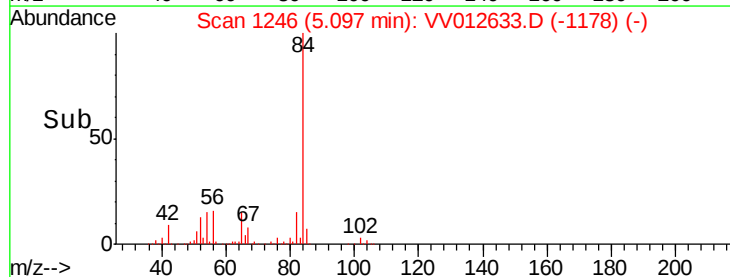
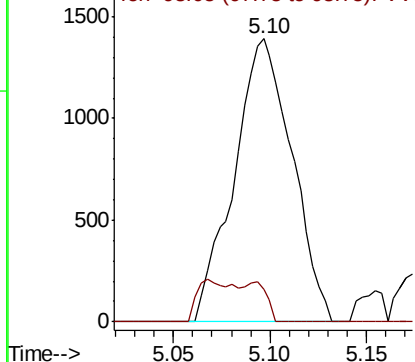


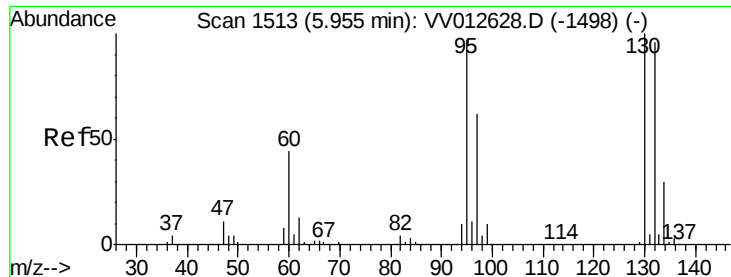
#27
 1,2-Dichloroethane
 Concen: 0.095 ug/L
 RT: 5.10 min Scan# 1246
 Delta R.T. -0.08 min
 Lab File: VV012633.D
 Acq: 09 Sep 2019 20:01

Tgt Ion: 62 Resp: 2904
 Ion Ratio Lower Upper
 62 100
 98 11.6 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VV0
 Ion 98.05 (97.75 to 98.75): VV0

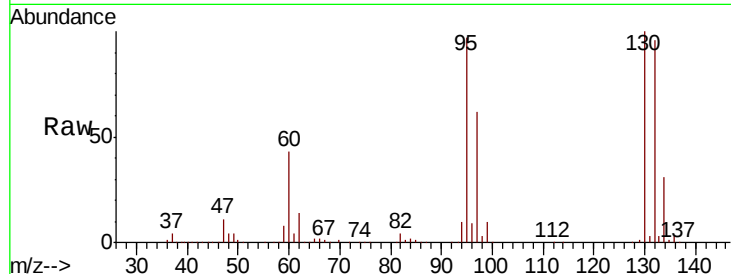




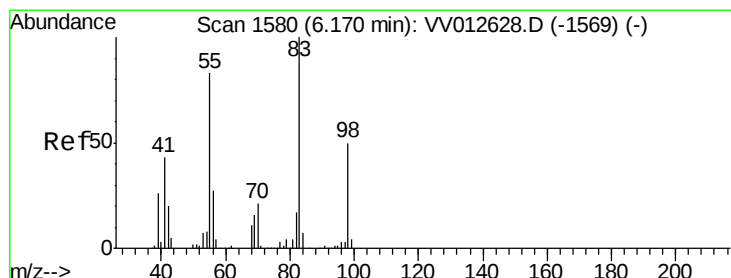
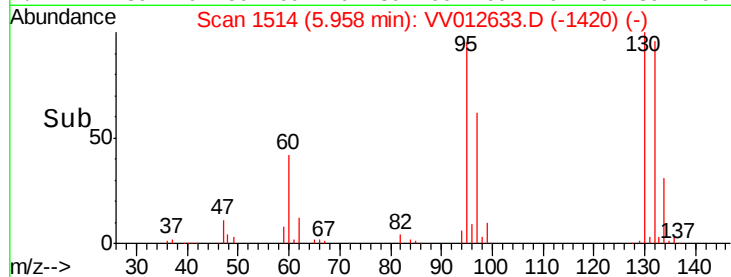
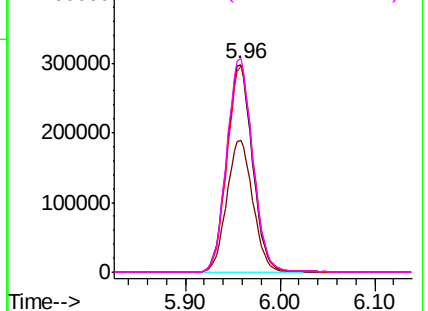
#34
 Trichloroethene
 Concen: 17.356 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012633.D
 Acq: 09 Sep 2019 20:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 567094
 Ion Ratio Lower Upper
 95 100
 97 63.8 45.4 84.2
 132 99.0 70.2 130.4
 130 102.9 74.2 137.8

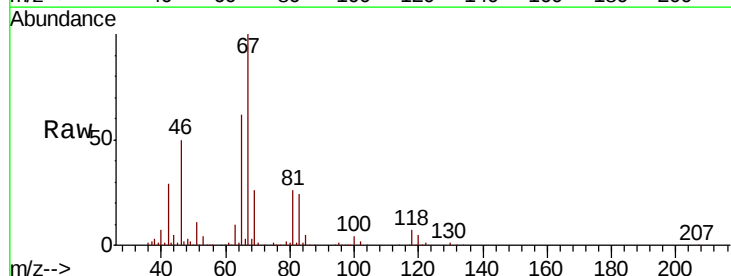


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

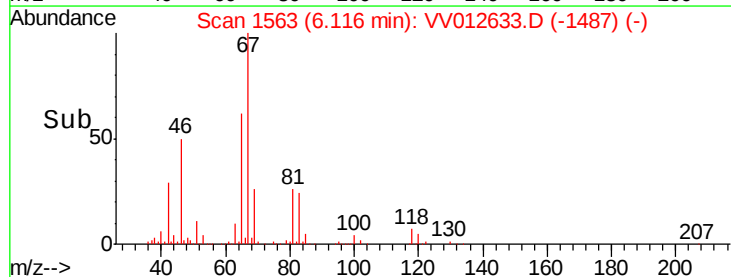
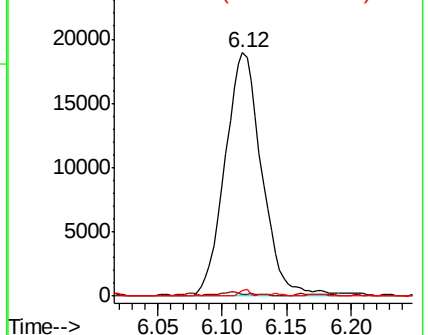


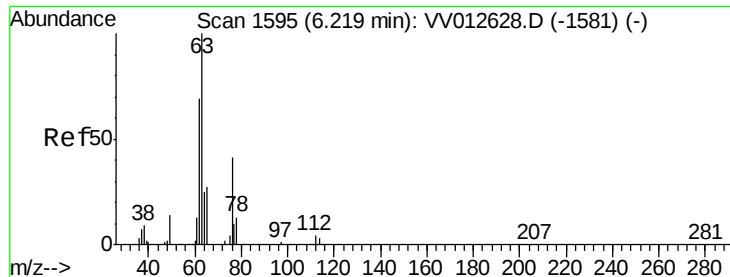
#35
 Methylcyclohexane
 Concen: 0.814 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.05 min
 Lab File: VV012633.D
 Acq: 09 Sep 2019 20:01

Tgt Ion: 83 Resp: 37596
 Ion Ratio Lower Upper
 83 100
 55 1.0 63.0 94.4#
 98 0.0 39.8 59.8#



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: 0.568 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV012633.D

Acq: 09 Sep 2019 20:01

Instrument :

MSVOA_V

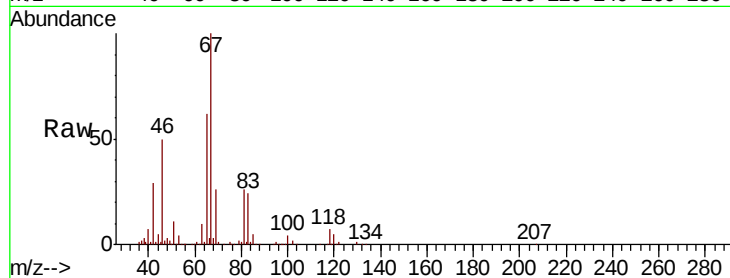
ClientSampled :

Tot Ion: 63 Resp: 16717

Ion Ratio Lower Upper

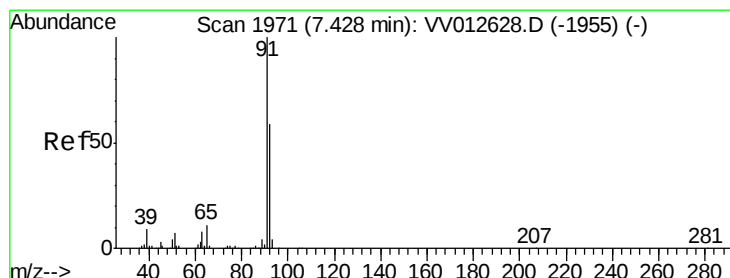
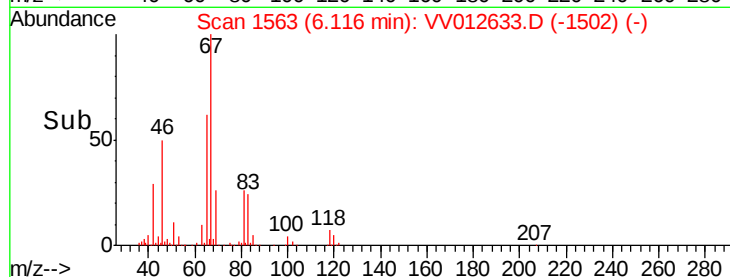
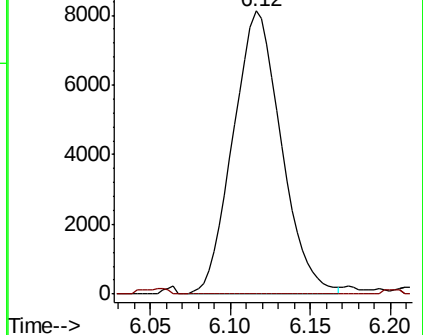
63 100

112 0.5 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VV012628.D (-1581) (-)

Ion 112.10 (111.80 to 112.80): VV012628.D (-1581) (-)



#42

Toluene

Concen: 0.098 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012633.D

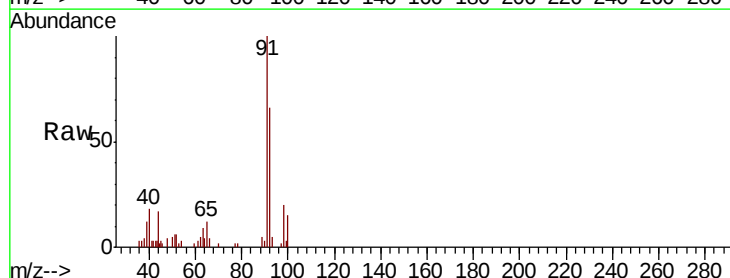
Acq: 09 Sep 2019 20:01

Tgt Ion: 91 Resp: 12050

Ion Ratio Lower Upper

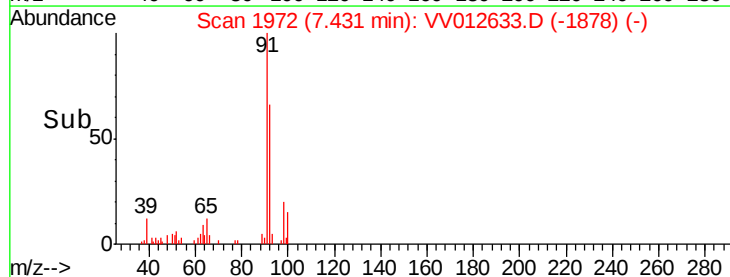
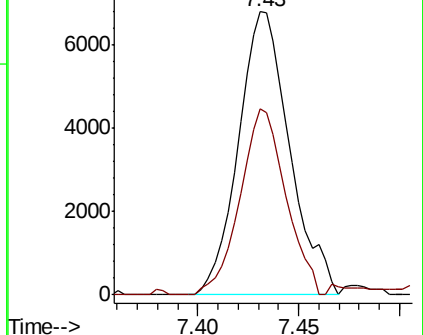
91 100

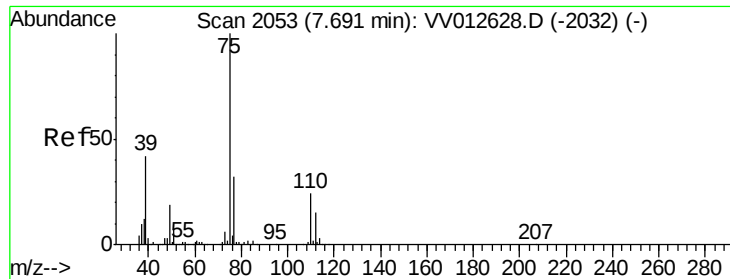
92 65.5 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV012628.D (-1955) (-)

Ion 92.15 (91.85 to 92.85): VV012628.D (-1955) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.071 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV012633.D

Acq: 09 Sep 2019 20:01

Instrument :

MSVOA_V

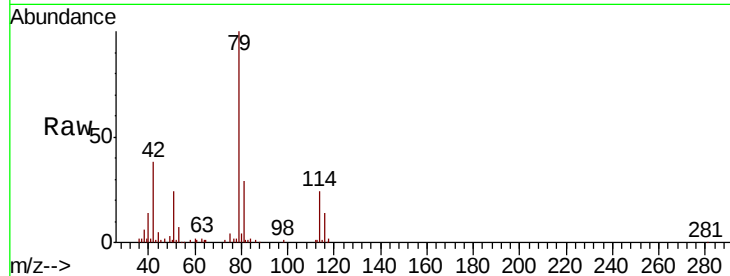
ClientSampled :

Tot Ion: 75 Resp: 2062

Ion Ratio Lower Upper

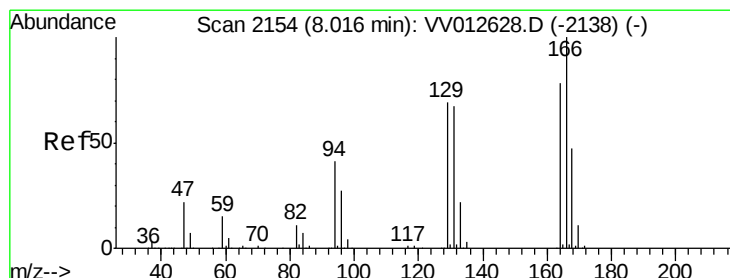
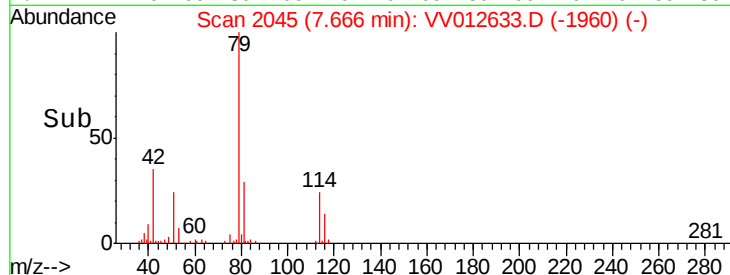
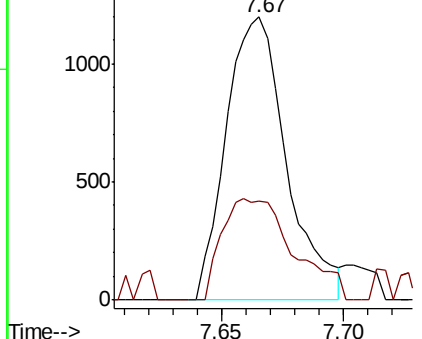
75 100

77 34.9 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#47

Tetrachloroethene

Concen: 16.576 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012633.D

Acq: 09 Sep 2019 20:01

Tgt Ion:164 Resp: 425137

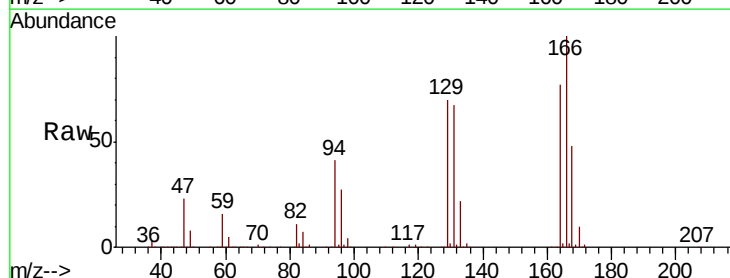
Ion Ratio Lower Upper

164 100

129 91.3 61.9 114.9

131 86.5 59.7 110.9

166 129.6 90.4 167.8

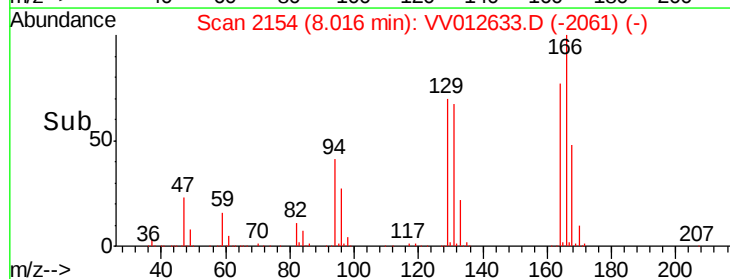
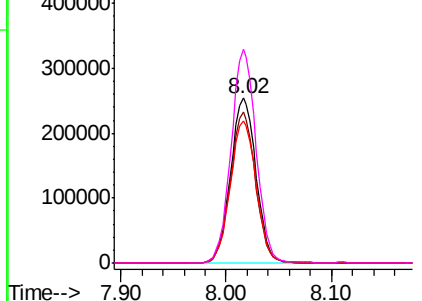


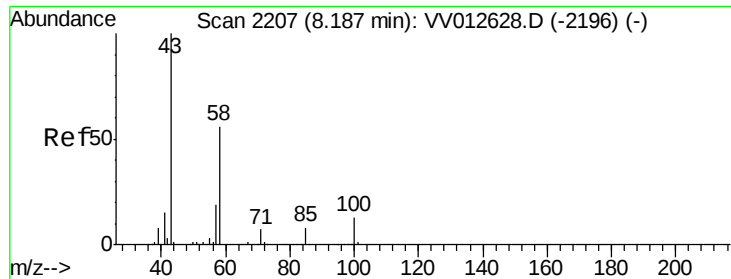
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

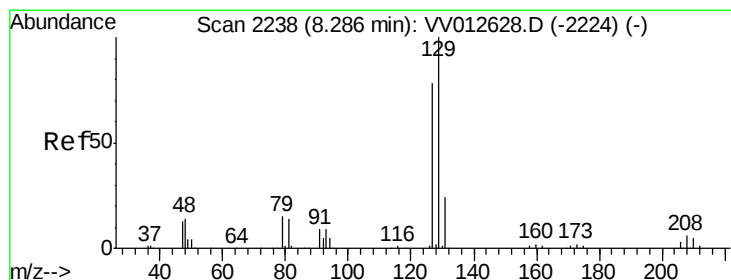
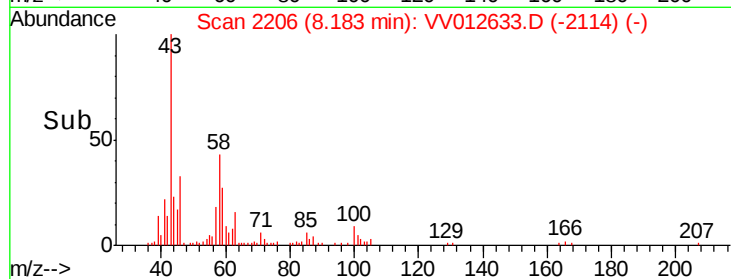
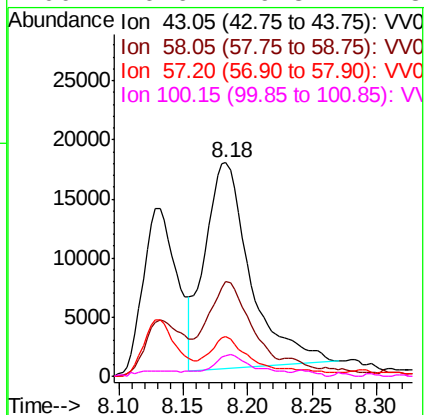
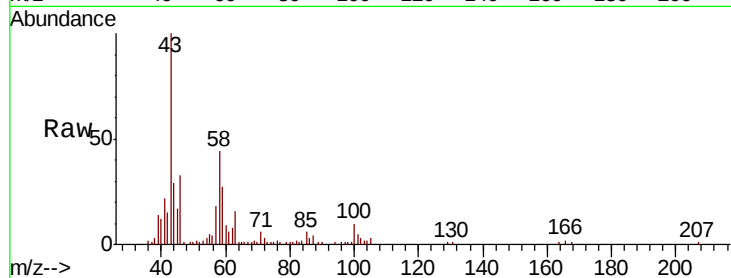




#48
2-Hexanone
Concen: 3.676 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV012633.D
Acq: 09 Sep 2019 20:01

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 42947
Ion Ratio Lower Upper
43 100
58 34.5 44.8 67.2#
57 12.5 14.9 22.3#
100 6.6 9.8 14.8#



#49
Dibromochloromethane
Concen: 15.096 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV012633.D
Acq: 09 Sep 2019 20:01

Tgt Ion: 129 Resp: 368320
Ion Ratio Lower Upper
129 100
127 0.1 53.5 99.5#

