

Data File : VV012166.D
Acq On : 09 Aug 2019 22:25
Operator : SY/MD
Sample : K4248-03
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F2B06

Quant Time: Aug 10 05:10:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081019WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 05:07:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	278998	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	255886	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	116159	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	50730	49.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.84%
7) Chloroethane-d5	1.58	69	32797	50.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.22%
11) 1,1-Dichloroethene-d2	2.13	63	68556	35.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.66%
21) 2-Butanone-d5	3.93	46	44344	87.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.38%
24) Chloroform-d	4.40	84	98404	46.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.30%
26) 1,2-Dichloroethane-d4	5.08	65	63104	51.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.22%
32) Benzene-d6	5.10	84	204822	51.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.26%
36) 1,2-Dichloropropane-d6	6.12	67	55691	51.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.20%
41) Toluene-d8	7.36	98	186974	49.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.94%
43) trans-1,3-Dichloropropene-	7.66	79	28133	48.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.20%
47) 2-Hexanone-d5	8.13	63	40510	98.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.12%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	72734	49.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.32%
64) 1,2-Dichlorobenzene-d4	11.67	152	72390	52.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.46%

Target Compounds

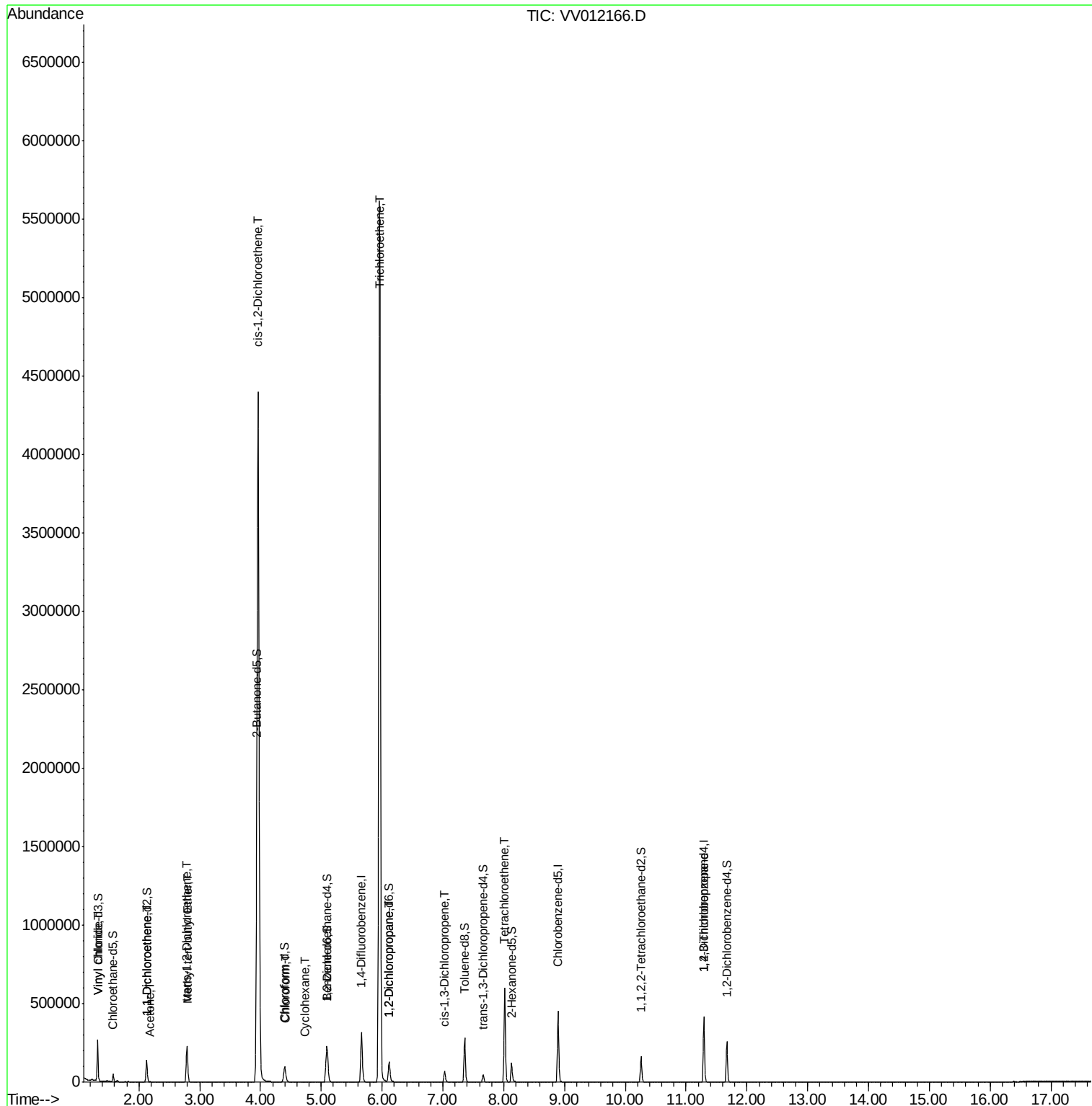
						Qvalue
5) Vinyl chloride	1.32	62	107922	69.964	ug/L	99
12) 1,1-Dichloroethene	2.14	96	2147	1.897	ug/L #	1
13) Acetone	2.19	43	1147	1.556	ug/L	91
17) trans-1,2-Dichloroethene	2.79	96	87463	52.962	ug/L	97
18) Methyl tert-butyl Ether	2.80	73	5073	0.954	ug/L	96
20) cis-1,2-Dichloroethene	3.96	96	2625566	1399.442	ug/L	98
25) Chloroform	4.42	83	1869	0.573	ug/L	99
29) Cyclohexane	4.73	56	1365	0.573	ug/L #	62
34) Trichloroethene	5.96	95	1860534	1053.879	ug/L	97
37) 1,2-Dichloropropane	6.12	63	6918	4.447	ug/L #	84
39) cis-1,3-Dichloropropene	7.03	75	1795	0.669	ug/L #	51
46) Tetrachloroethene	8.02	164	141491	83.843	ug/L	98
59) 1,2,3-Trichloropropane	11.29	75	10148	4.834	ug/L	90

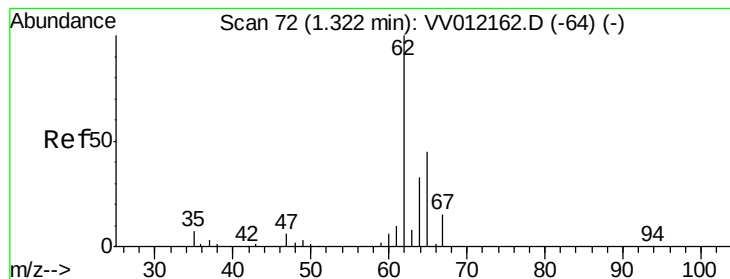
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 69.964 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

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Acq: 09 Aug 2019 22:25

Instrument :

MSVOA_V

ClientSampleId :

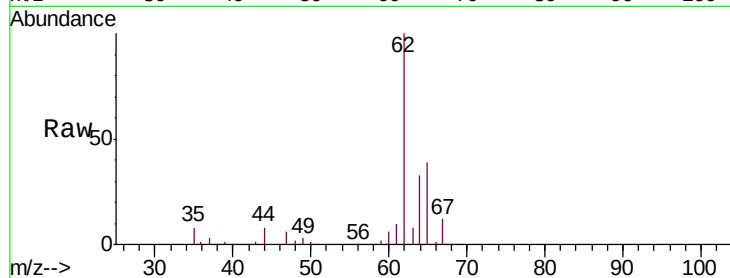
F2B06

Tgt Ion: 62 Resp: 107922

Ion Ratio Lower Upper

62 100

64 33.3 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

120000

100000

80000

60000

40000

20000

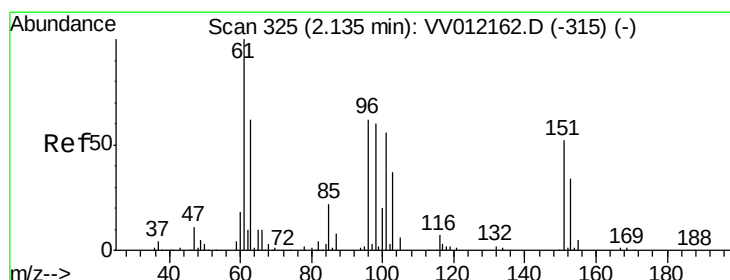
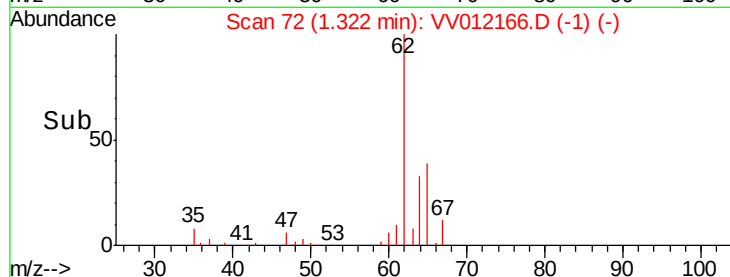
0

1.30

1.32

1.35

Time-->



#12

1,1-Dichloroethene

Concen: 1.897 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012166.D

Acq: 09 Aug 2019 22:25

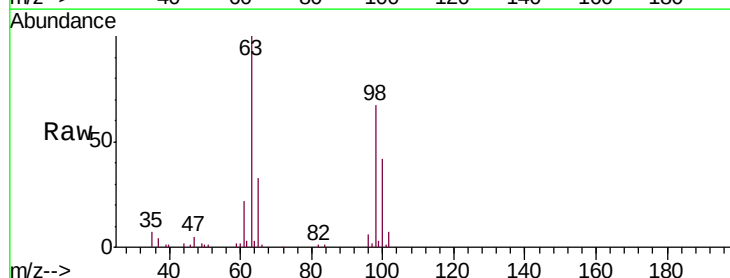
Tgt Ion: 96 Resp: 2147

Ion Ratio Lower Upper

96 100

61 349.8 115.1 213.8#

63 1609.0 83.9 155.7#



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

60000

40000

20000

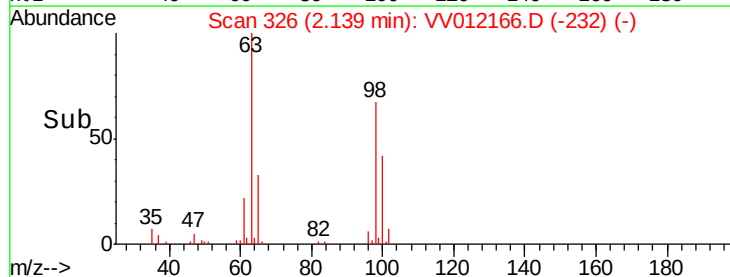
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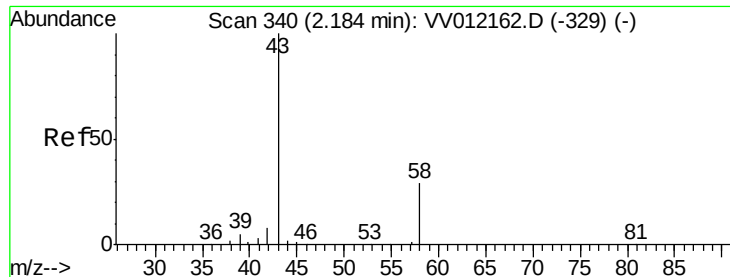
2.10

2.14

2.15

Time-->





#13

Acetone

Concen: 1.556 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV012166.D

Acq: 09 Aug 2019 22:25

Instrument :

MSVOA_V

ClientSampleId :

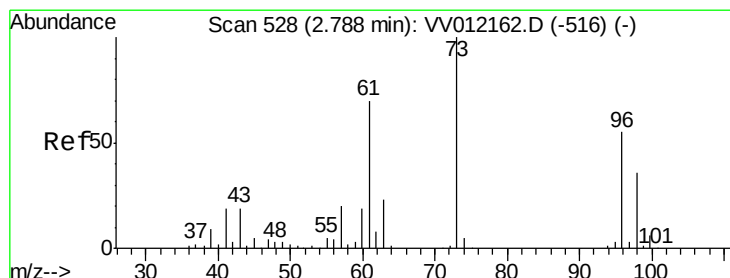
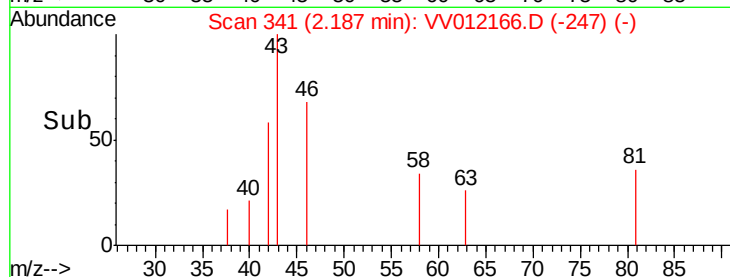
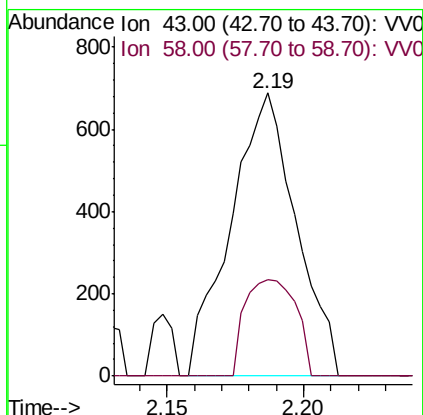
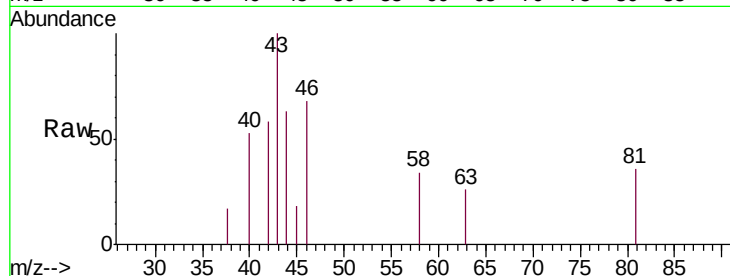
F2B06

Tgt Ion: 43 Resp: 1147

Ion Ratio Lower Upper

43 100

58 26.5 0.0 63.4



#17

trans-1,2-Dichloroethene

Concen: 52.962 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012166.D

Acq: 09 Aug 2019 22:25

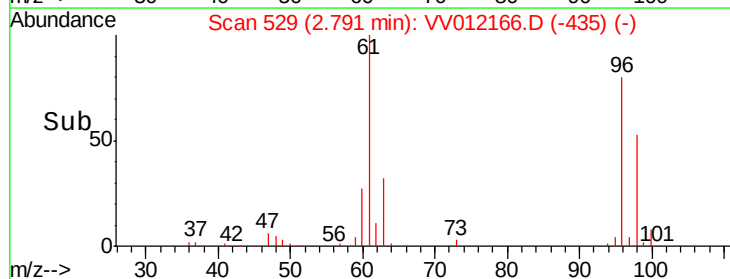
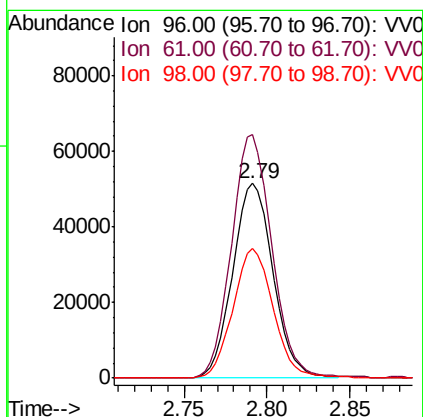
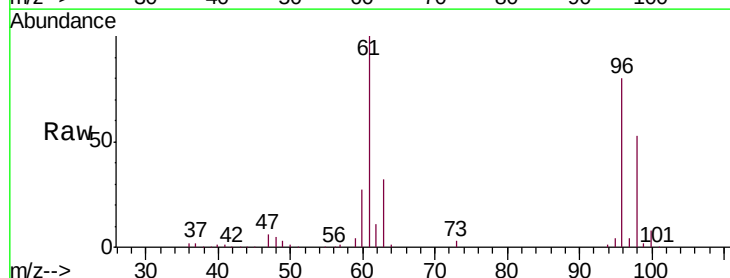
Tgt Ion: 96 Resp: 87463

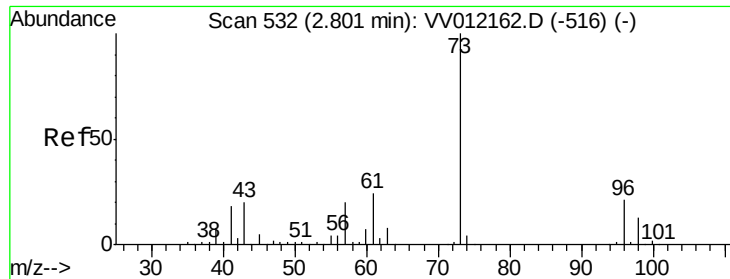
Ion Ratio Lower Upper

96 100

61 125.2 89.3 165.9

98 66.7 44.7 83.1

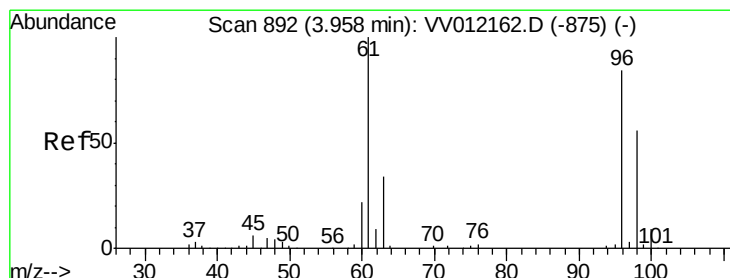
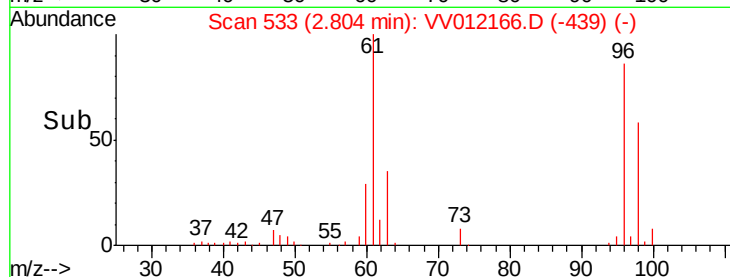
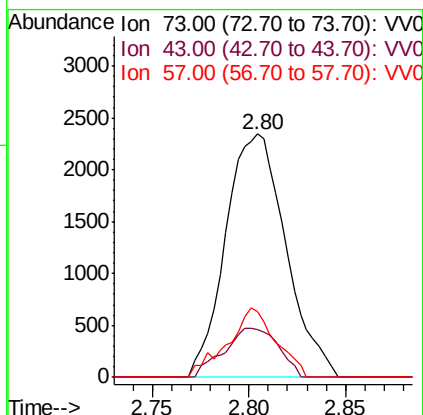
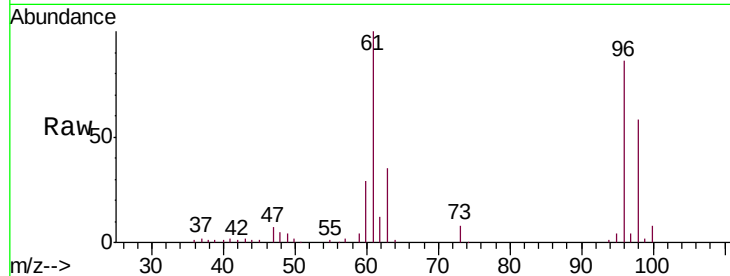




#18
Methyl tert-butyl Ether
Concen: 0.954 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV012166.D
Acq: 09 Aug 2019 22:25

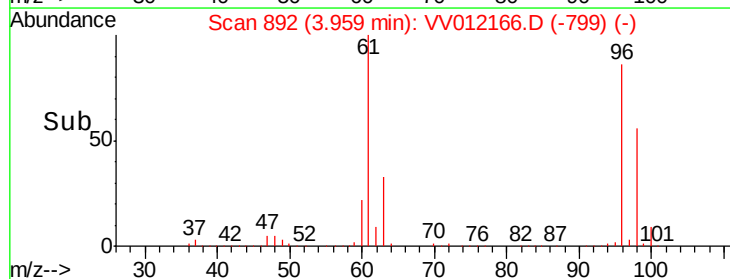
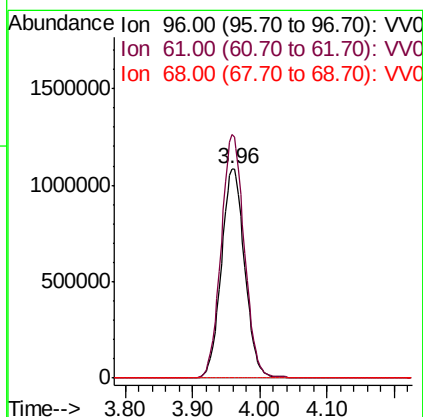
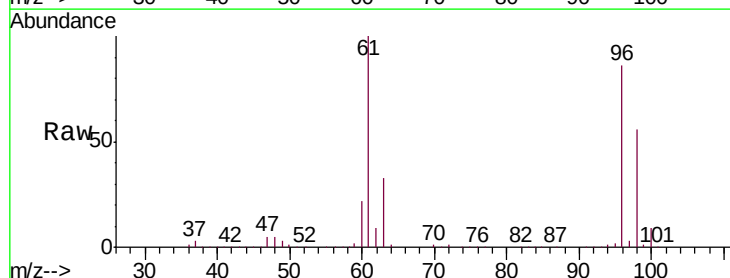
Instrument :
MSVOA_V
ClientSampleId :
F2B06

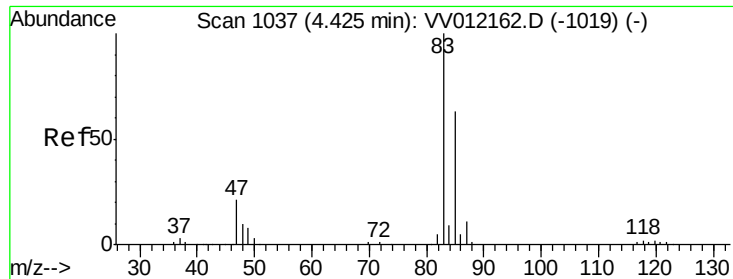
Tgt Ion: 73 Resp: 5073
Ion Ratio Lower Upper
73 100
43 18.2 15.2 22.8
57 22.7 16.2 24.2



#20
cis-1,2-Dichloroethene
Concen: 1399.442 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV012166.D
Acq: 09 Aug 2019 22:25

Tgt Ion: 96 Resp: 2625566
Ion Ratio Lower Upper
96 100
61 116.2 82.9 153.9
68 0.0 0.0 0.0

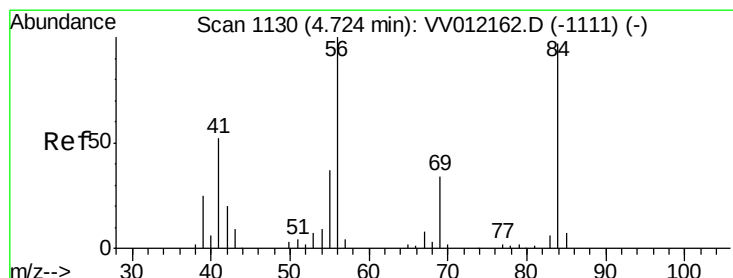
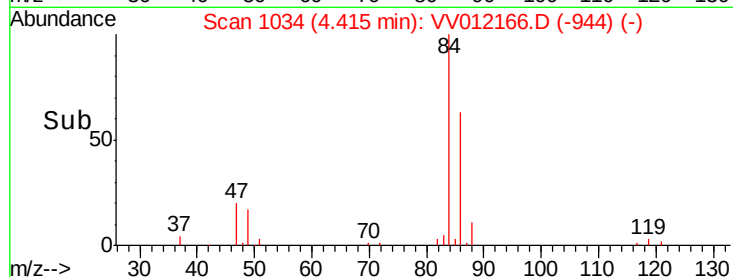
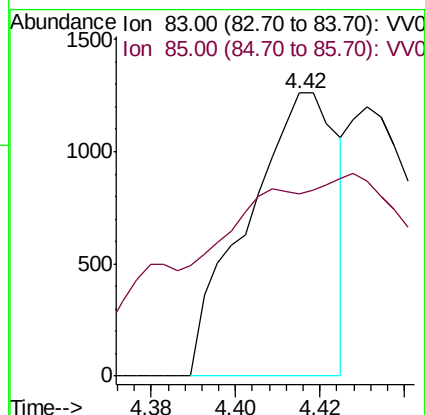
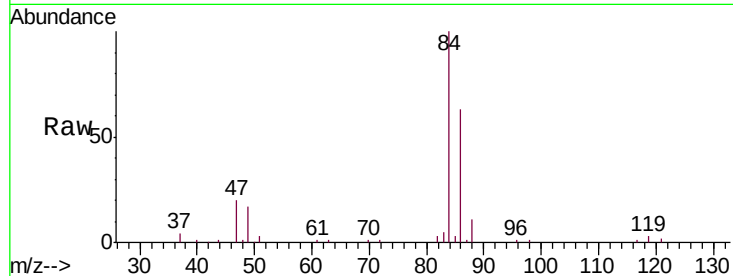




#25
Chloroform
Concen: 0.573 ug/L
RT: 4.42 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VV012166.D
Acq: 09 Aug 2019 22:25

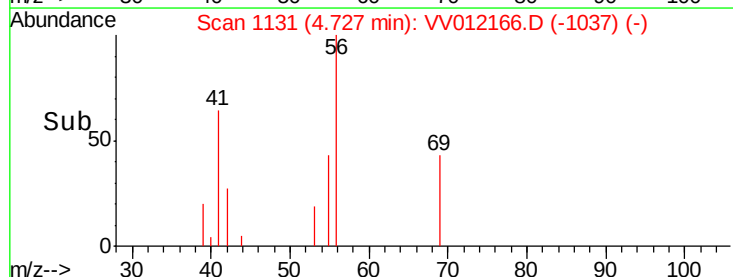
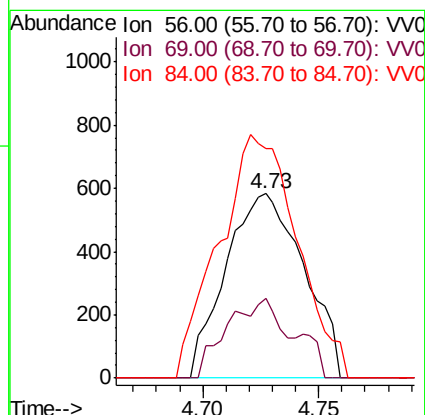
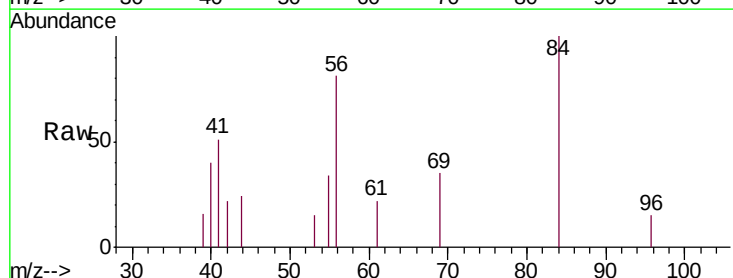
Instrument :
MSVOA_V
ClientSampled :
F2B06

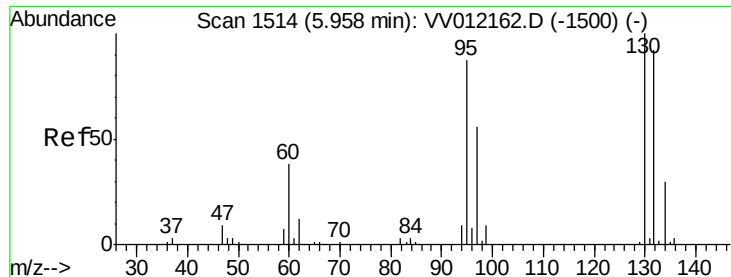
Tgt Ion: 83 Resp: 1869
Ion Ratio Lower Upper
83 100
85 64.3 45.7 84.9



#29
Cyclohexane
Concen: 0.573 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV012166.D
Acq: 09 Aug 2019 22:25

Tgt Ion: 56 Resp: 1365
Ion Ratio Lower Upper
56 100
69 6.7 26.6 40.0#
84 132.2 78.6 117.8#





#34

Trichloroethene

Concen: 1053.879 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012166.D

Acq: 09 Aug 2019 22:25

Instrument :

MSVOA_V

ClientSampleId :

F2B06

Tgt Ion: 95 Resp: 1860534

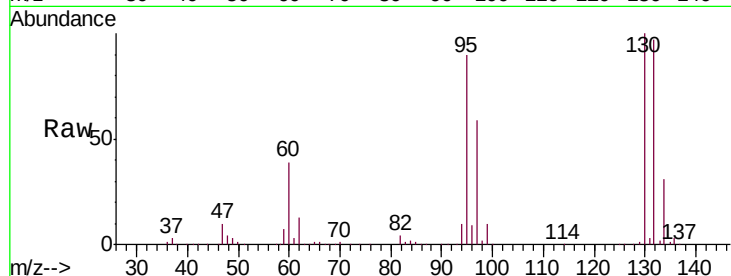
Ion Ratio Lower Upper

95 100

97 65.4 44.7 83.1

132 108.0 72.7 134.9

130 111.2 75.9 141.1

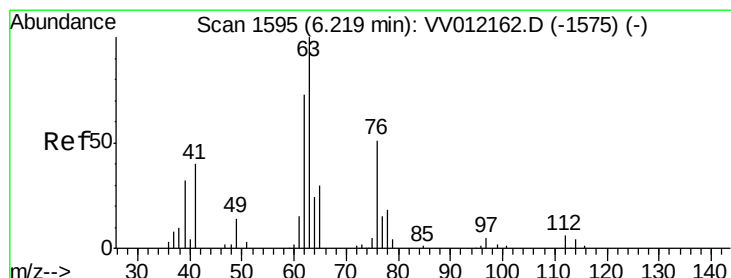
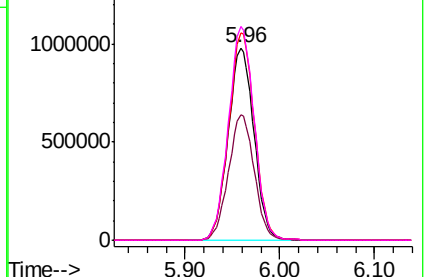
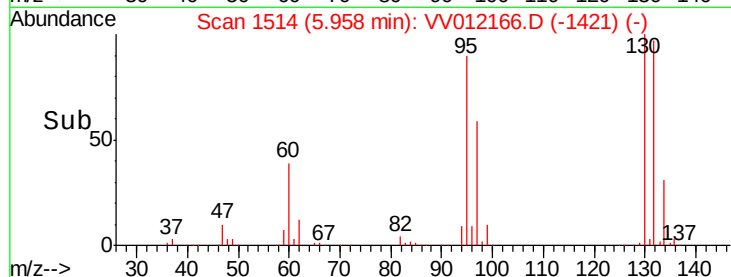


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#37

1,2-Dichloropropane

Concen: 4.447 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV012166.D

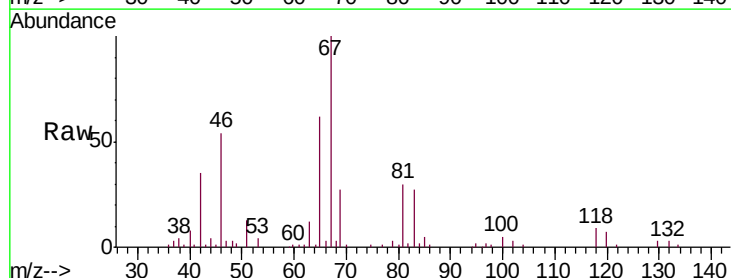
Acq: 09 Aug 2019 22:25

Tgt Ion: 63 Resp: 6918

Ion Ratio Lower Upper

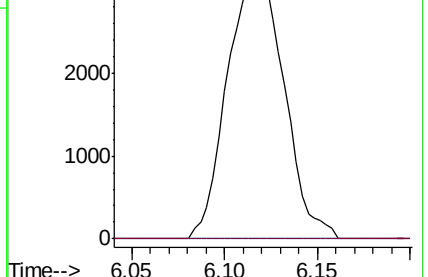
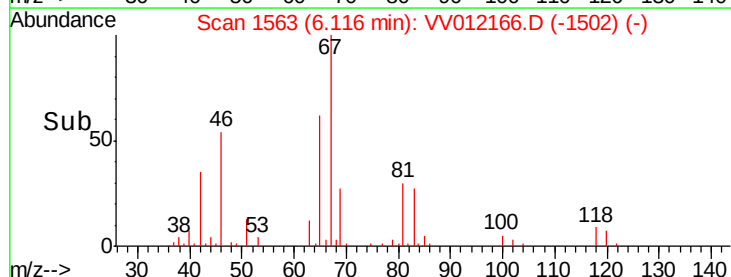
63 100

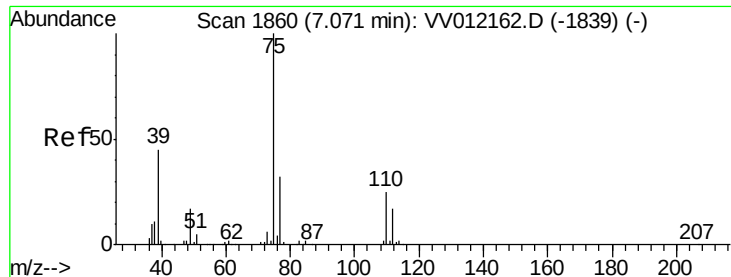
112 0.0 4.2 6.4#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

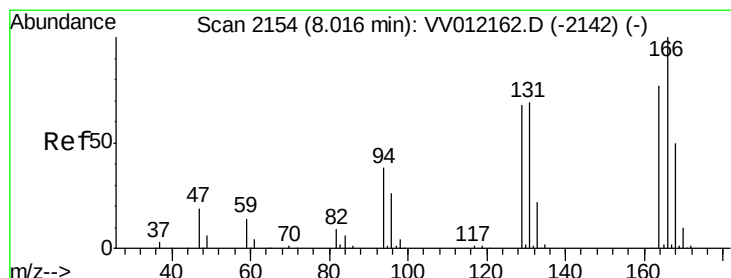
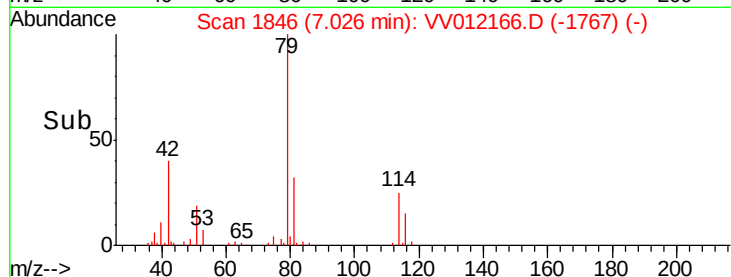
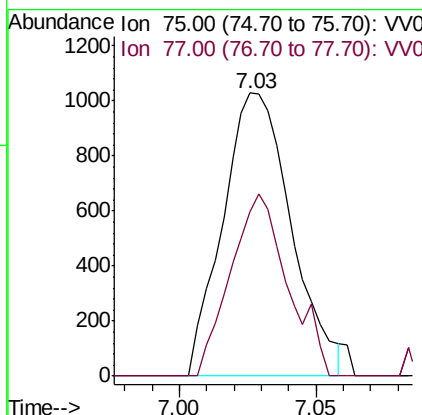
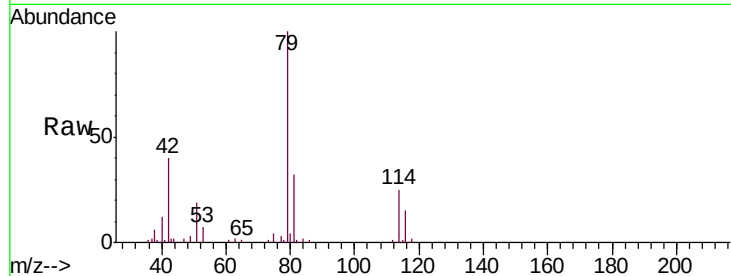




#39
 cis-1,3-Dichloropropene
 Concen: 0.669 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV012166.D
 Acq: 09 Aug 2019 22:25

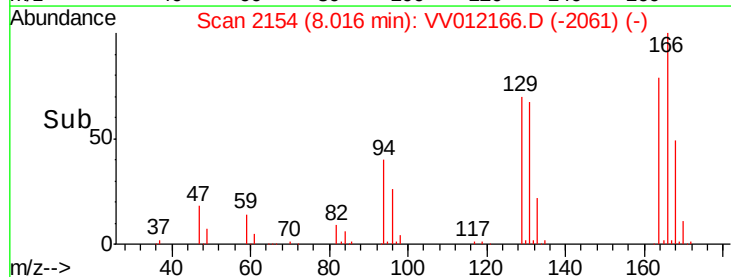
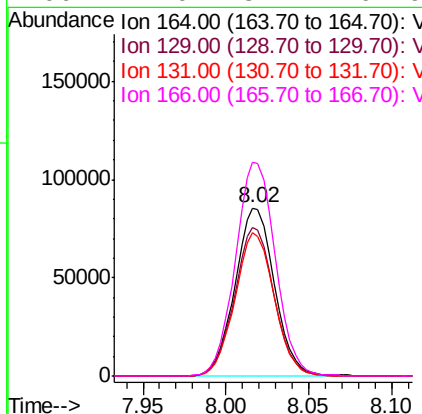
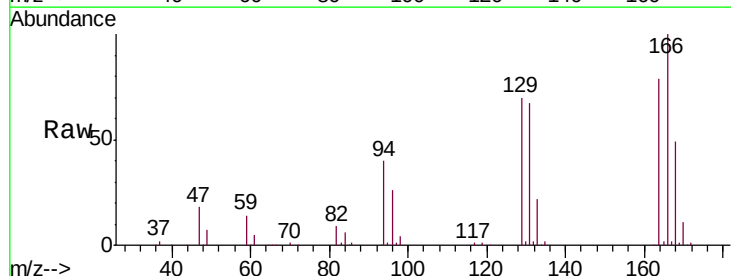
Instrument :
 MSVOA_V
 ClientSampleId :
 F2B06

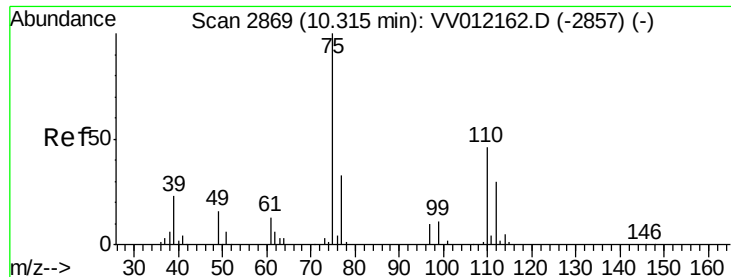
Tgt Ion: 75 Resp: 1795
 Ion Ratio Lower Upper
 75 100
 77 58.1 21.7 40.3#



#46
 Tetrachloroethene
 Concen: 83.843 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012166.D
 Acq: 09 Aug 2019 22:25

Tgt Ion: 164 Resp: 141491
 Ion Ratio Lower Upper
 164 100
 129 88.5 60.6 112.6
 131 84.9 59.5 110.5
 166 127.0 87.2 161.9





#59
 1,2,3-Trichloropropane
 Concen: 4.834 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.98 min
 Lab File: VV012166.D
 Acq: 09 Aug 2019 22:25

Instrument :
 MSVOA_V
 ClientSampleId :
 F2B06

Tgt Ion: 75 Resp: 10148
 Ion Ratio Lower Upper
 75 100
 77 38.6 26.3 39.5

