

Data File : VV013327.D
Acq On : 24 Oct 2019 22:55
Operator : SY/MD
Sample : K5462-17
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0K15

Quant Time: Oct 25 04:47:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 04:42:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	419843	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	445979	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	238029	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	151626	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.58	69	131550	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.00%
11) 1,1-Dichloroethene-d2	2.13	63	182600	3.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.40%
20) 2-Butanone-d5	3.96	46	391001	65.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.56%#
24) Chloroform-d	4.40	84	325747	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.08	65	162957	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.10	84	675995	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.12	67	213812	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.36	98	568945	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
43) trans-1,3-Dichloropropene-	7.66	79	61386	3.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.60%
46) 2-Hexanone-d5	8.13	63	220855	37.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.38%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	141583	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	236340	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

						Qvalue
5) Vinyl chloride	1.32	62	269261	6.646	ug/L	99
8) Chloroethane	1.60	64	3718	0.154	ug/L	92
12) 1,1-Dichloroethene	2.14	96	4199	0.127	ug/L #	1
13) Acetone	2.15	43	3874	1.260	ug/L	79
15) Methyl Acetate	2.52	43	2701	0.260	ug/L #	55
17) Methyl tert-butyl Ether	2.80	73	6856472	89.688	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	136326	3.503	ug/L	92
19) 1,1-Dichloroethane	3.23	63	112342	1.776	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	1289859	30.969	ug/L #	91
25) Chloroform	4.42	83	13823	0.168	ug/L	99
33) Benzene	5.15	78	73954	0.434	ug/L	100
34) Trichloroethene	5.96	95	947500	20.735	ug/L	97
35) Methylcyclohexane	6.12	83	50428	0.717	ug/L #	18
44) trans-1,3-Dichloropropene	7.66	75	2753	0.062	ug/L	86
47) Tetrachloroethene	8.02	164	29468	0.710	ug/L	93
48) 2-Hexanone	8.18	43	18001	1.192	ug/L #	46
49) Dibromochloromethane	8.02	129	23874	0.656	ug/L #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102519\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 04:42:43 2019
Response via : Initial Calibration

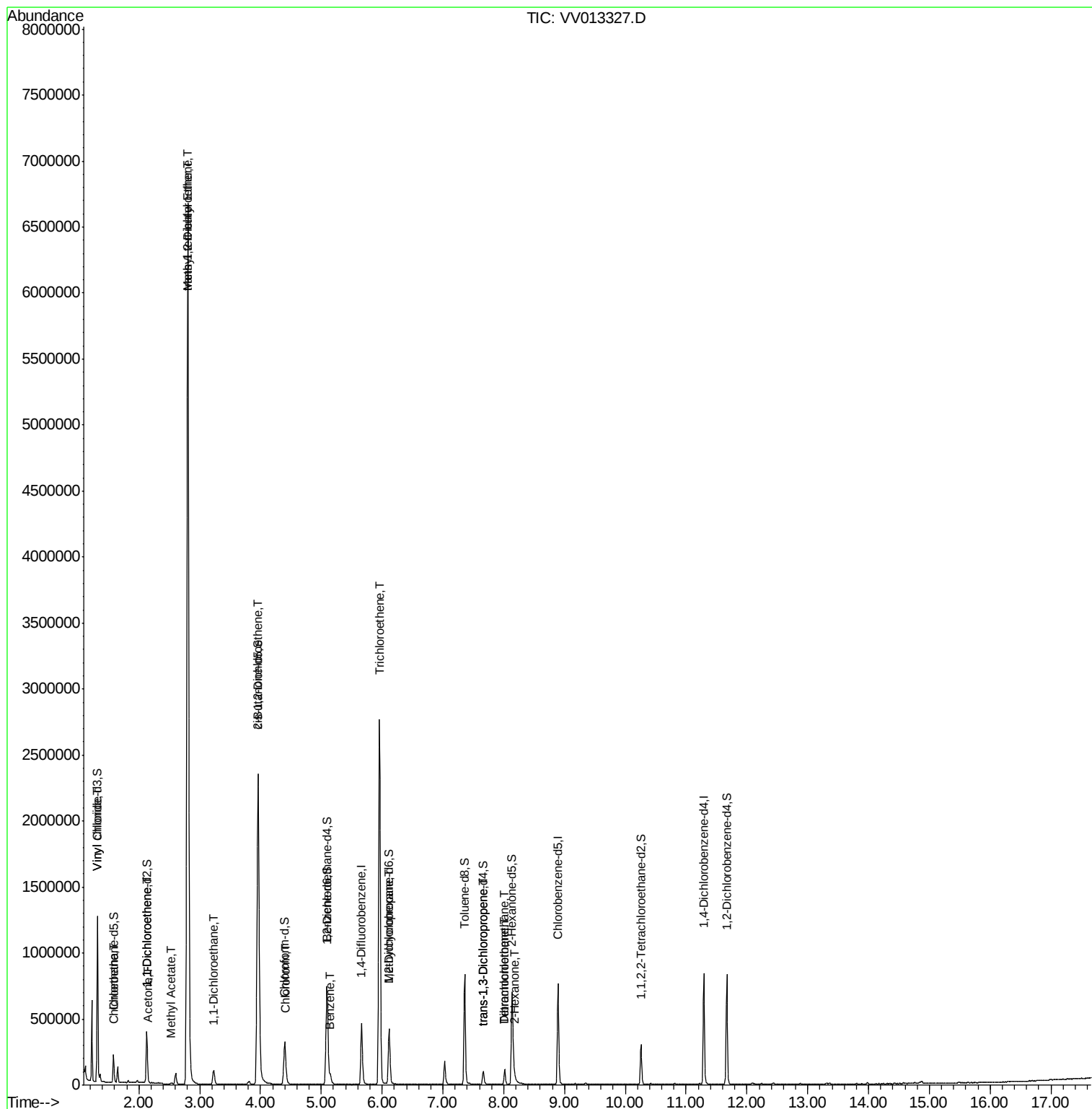
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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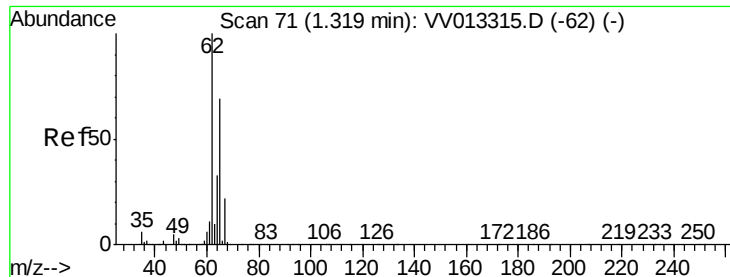
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 6.646 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013327.D

Acq: 24 Oct 2019 22:55

Instrument :

MSVOA_V

ClientSampleId :

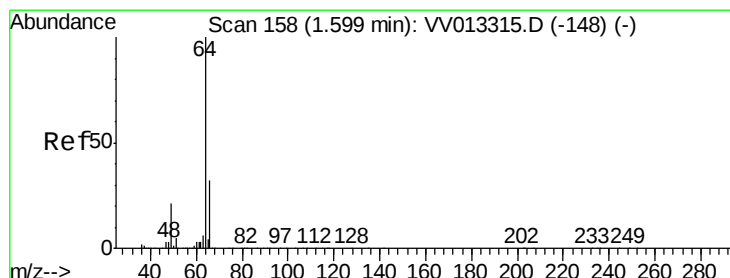
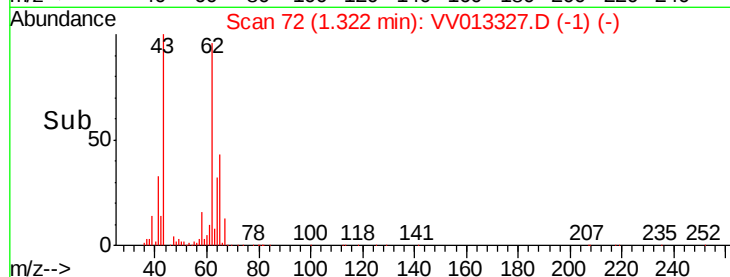
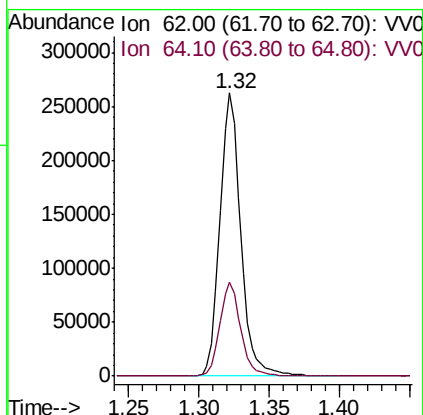
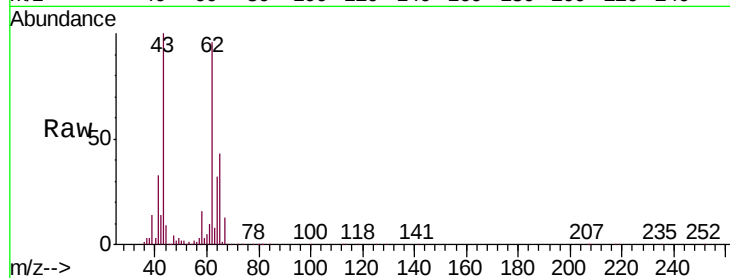
C0K15

Tgt Ion: 62 Resp: 269261

Ion Ratio Lower Upper

62 100

64 33.1 22.9 42.5



#8

Chloroethane

Concen: 0.154 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV013327.D

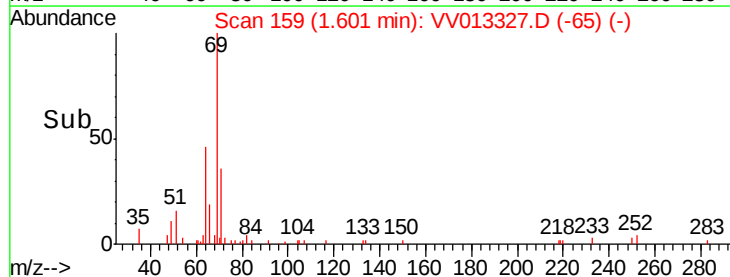
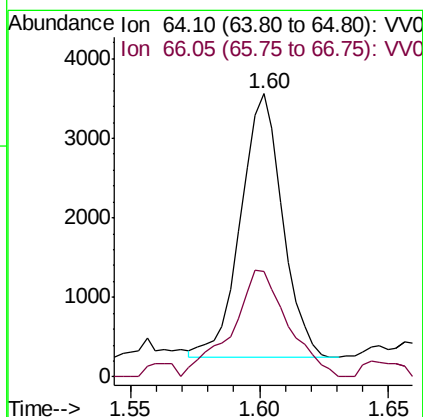
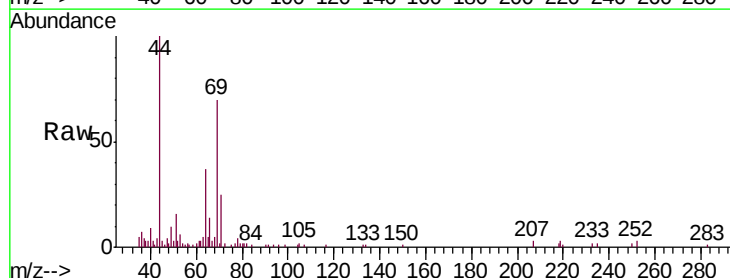
Acq: 24 Oct 2019 22:55

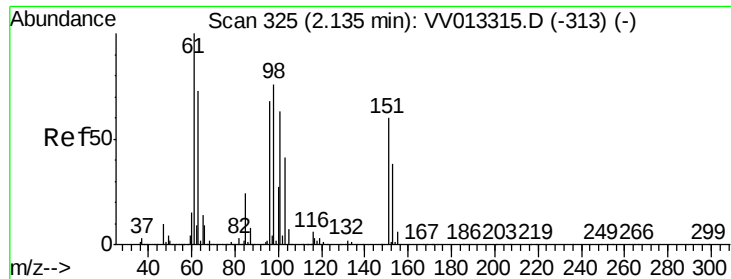
Tgt Ion: 64 Resp: 3718

Ion Ratio Lower Upper

64 100

66 37.0 22.7 42.3

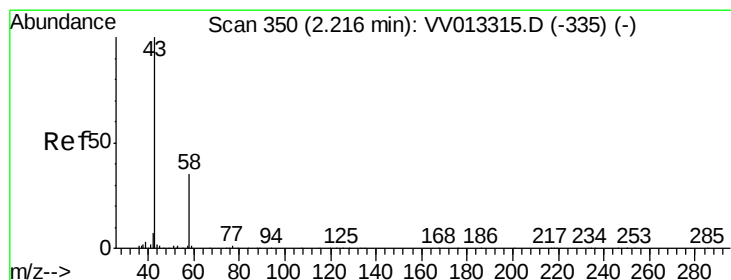
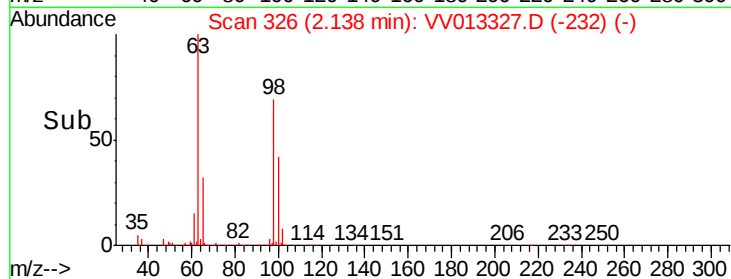
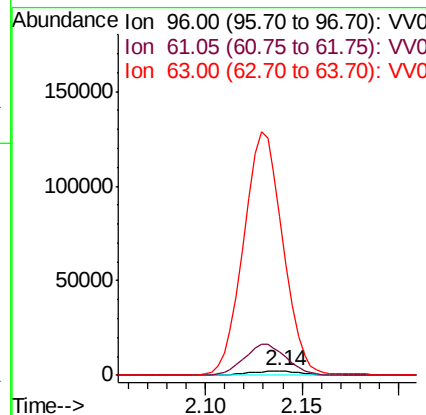
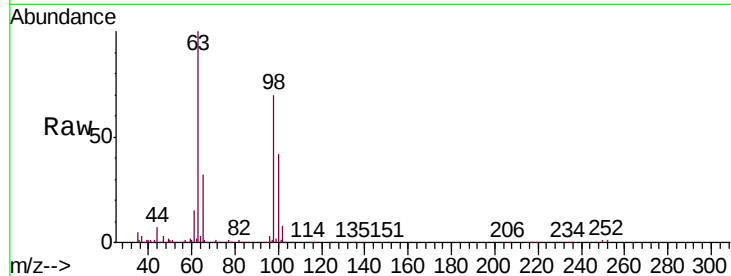




#12
 1,1-Dichloroethene
 Concen: 0.127 ug/L
 RT: 2.14 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VV013327.D
 Acq: 24 Oct 2019 22:55

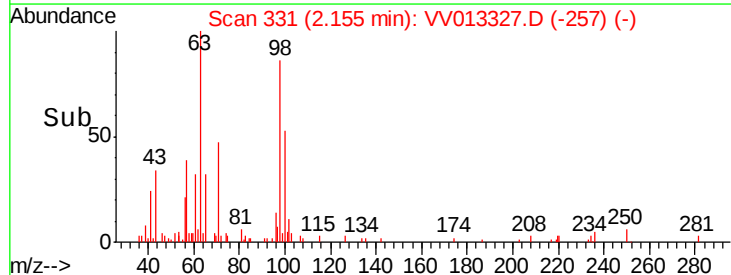
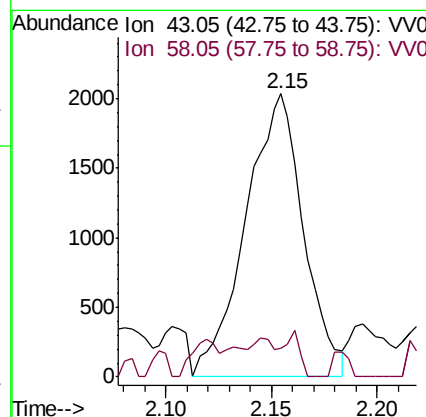
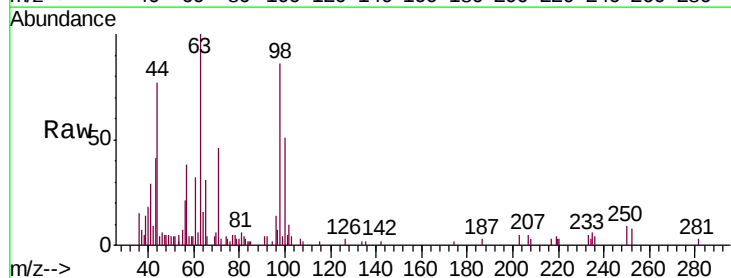
Instrument :
 MSVOA_V
 ClientSampleId :
 C0K15

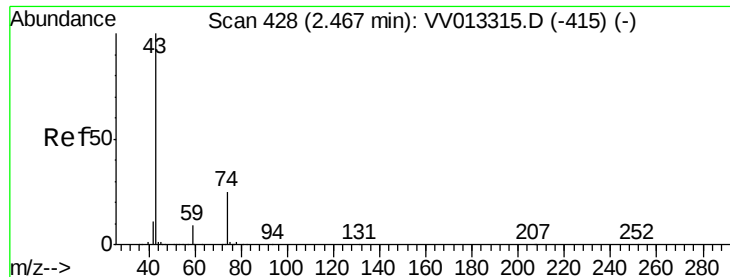
Tgt Ion: 96 Resp: 4199
 Ion Ratio Lower Upper
 96 100
 61 524.8 104.0 193.1#
 63 3546.2 67.1 124.5#



#13
 Acetone
 Concen: 1.260 ug/L
 RT: 2.15 min Scan# 331
 Delta R.T. -0.06 min
 Lab File: VV013327.D
 Acq: 24 Oct 2019 22:55

Tgt Ion: 43 Resp: 3874
 Ion Ratio Lower Upper
 43 100
 58 4.6 0.0 26.2

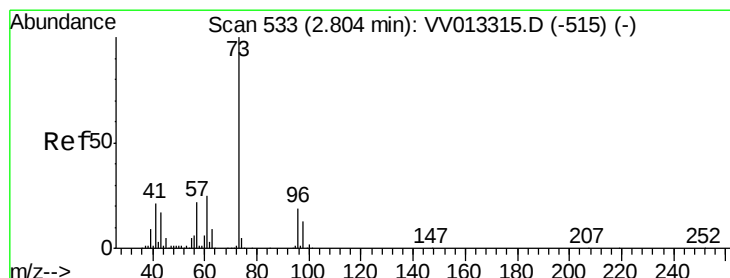
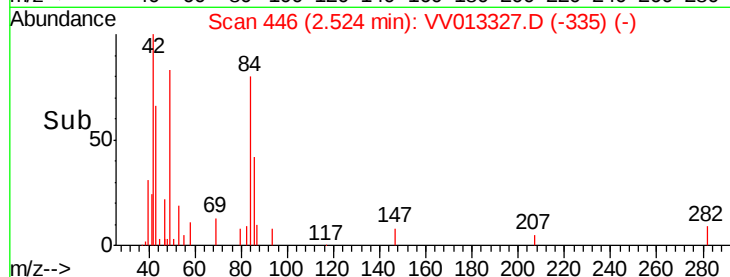
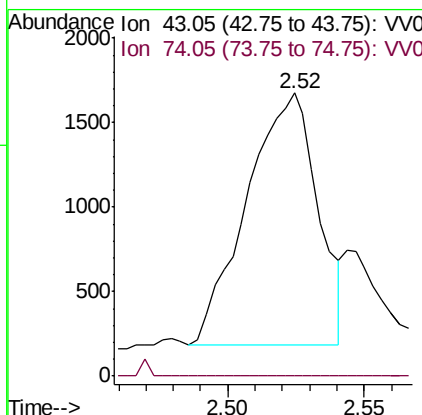
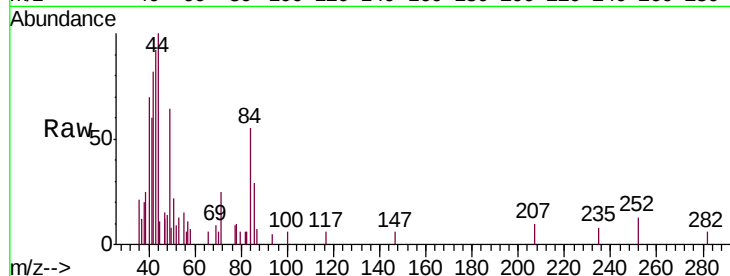




#15
Methyl Acetate
Concen: 0.260 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.06 min
Lab File: VV013327.D
Acq: 24 Oct 2019 22:55

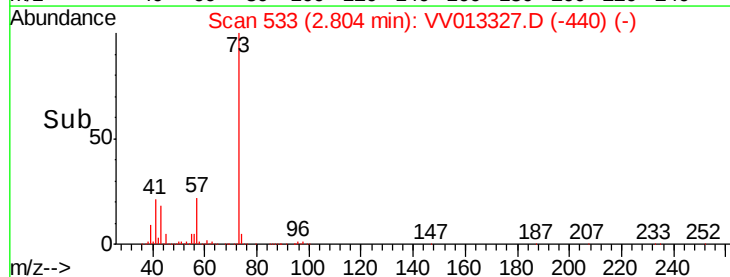
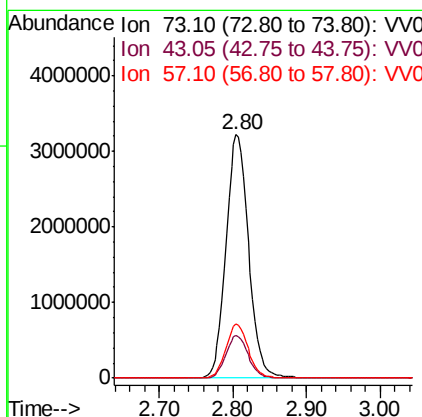
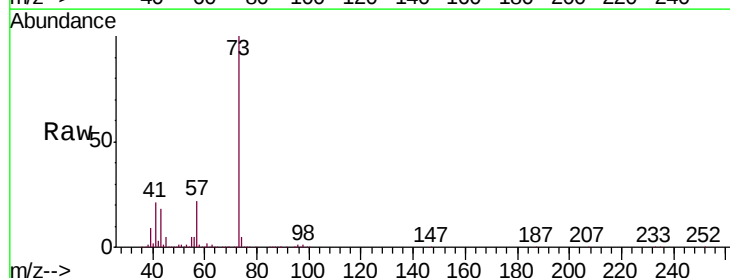
Instrument :
MSVOA_V
ClientSampleId :
C0K15

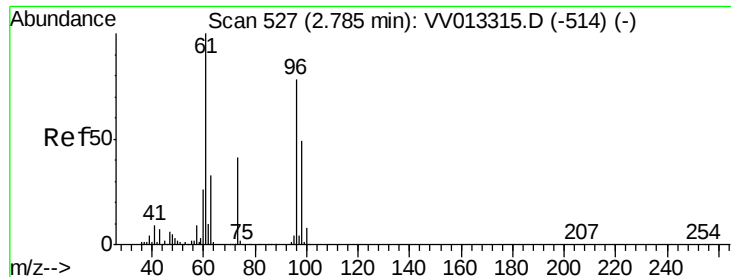
Tgt Ion: 43 Resp: 2701
Ion Ratio Lower Upper
43 100
74 2.6 20.4 30.6#



#17
Methyl tert-butyl Ether
Concen: 89.688 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV013327.D
Acq: 24 Oct 2019 22:55

Tgt Ion: 73 Resp: 6856472
Ion Ratio Lower Upper
73 100
43 17.4 13.1 19.7
57 22.1 16.4 24.6





#18

trans-1,2-Dichloroethene

Concen: 3.503 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.01 min

Lab File: VV013327.D

Acq: 24 Oct 2019 22:55

Instrument :

MSVOA_V

ClientSampled :

C0K15

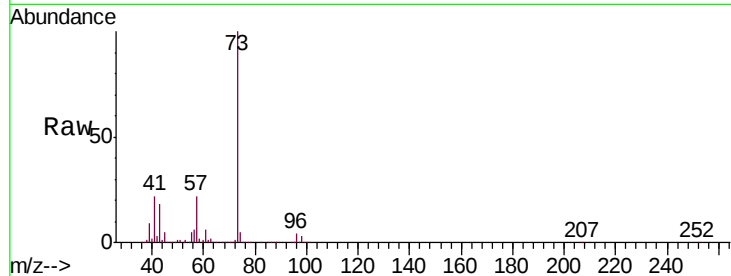
Tgt Ion: 96 Resp: 136326

Ion Ratio Lower Upper

96 100

61 132.9 84.4 156.8

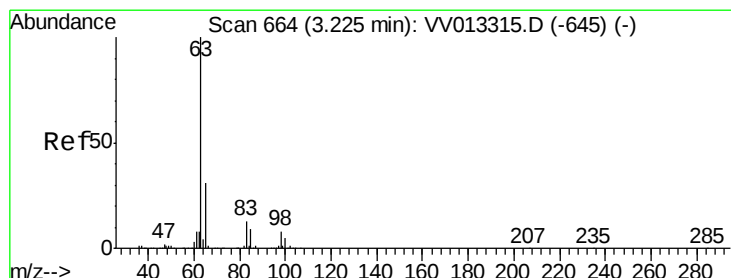
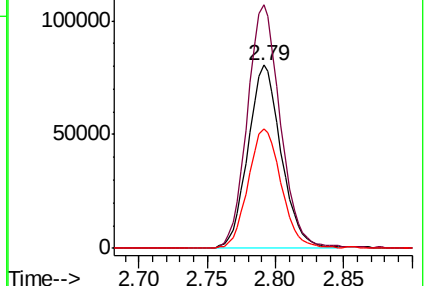
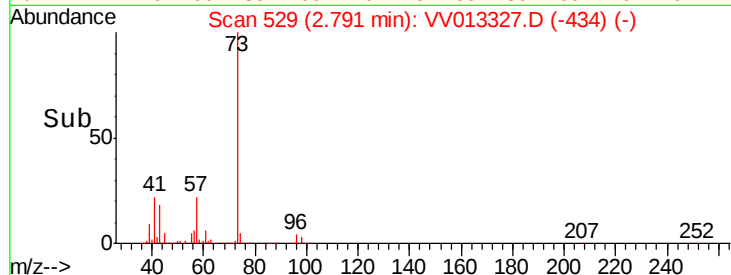
98 65.4 44.4 82.4



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#19

1,1-Dichloroethane

Concen: 1.776 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV013327.D

Acq: 24 Oct 2019 22:55

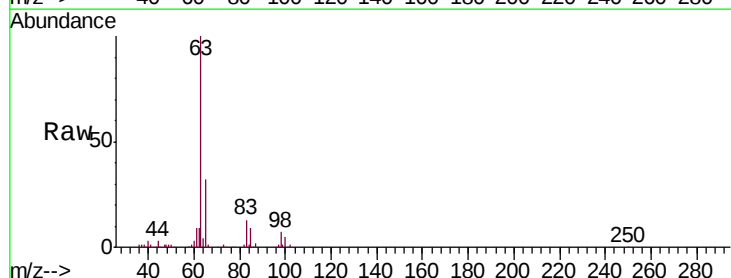
Tgt Ion: 63 Resp: 112342

Ion Ratio Lower Upper

63 100

65 32.3 23.0 42.8

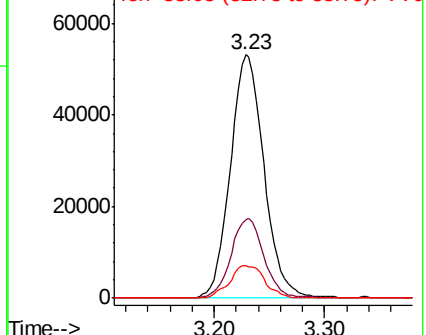
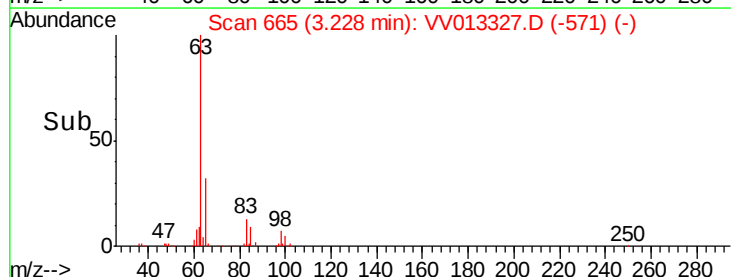
83 13.3 10.2 19.0

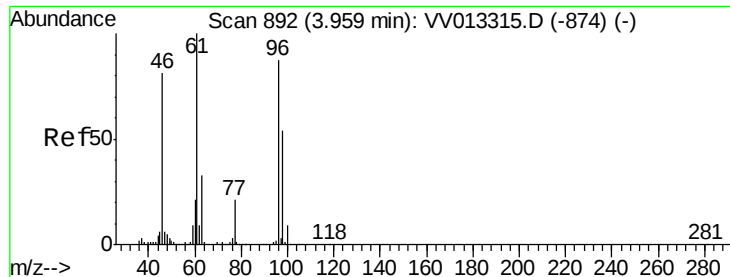


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



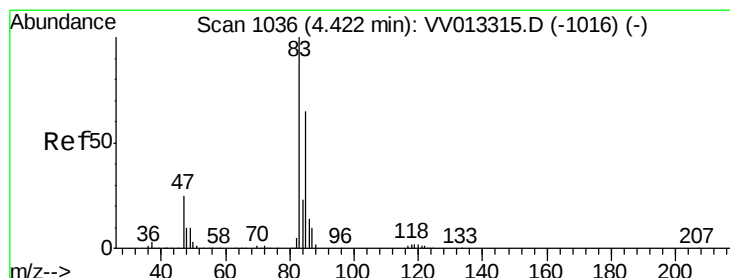
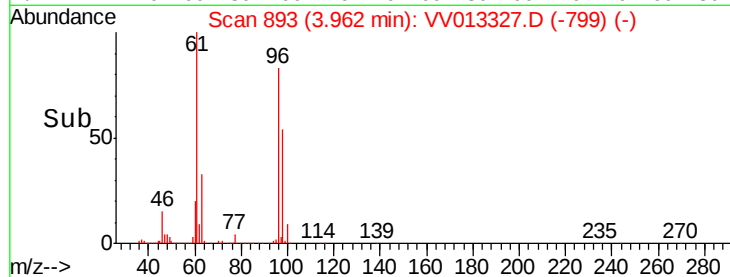
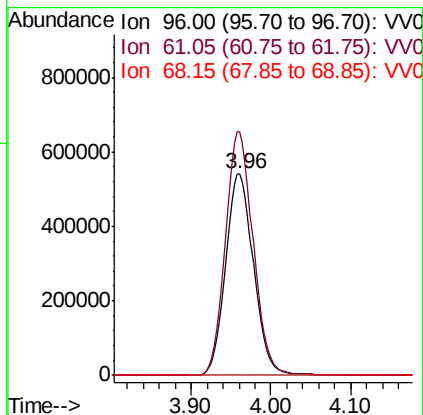
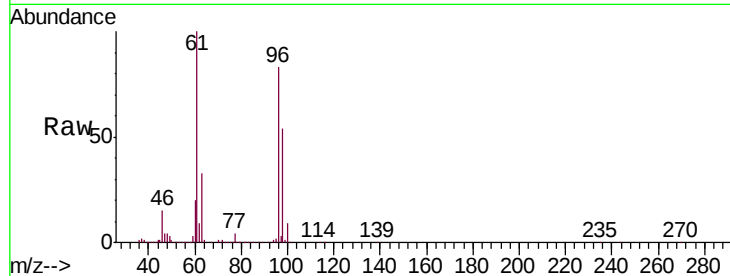


#22

cis-1,2-Dichloroethene
Concen: 30.969 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV013327.D
Acq: 24 Oct 2019 22:55

Instrument :
MSVOA_V
ClientSampleId :
C0K15

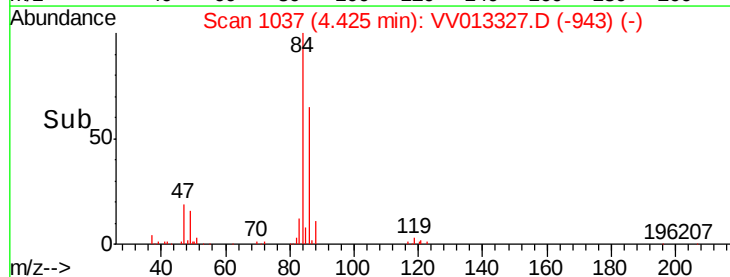
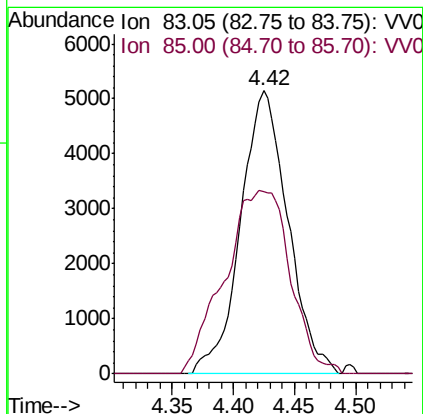
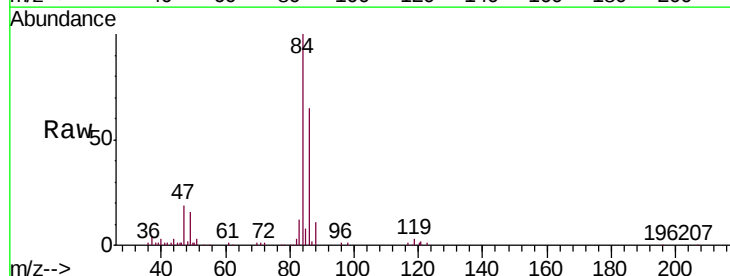
Tgt Ion: 96 Resp: 1289859
Ion Ratio Lower Upper
96 100
61 120.4 77.3 143.7
68 0.0 0.1 0.1#

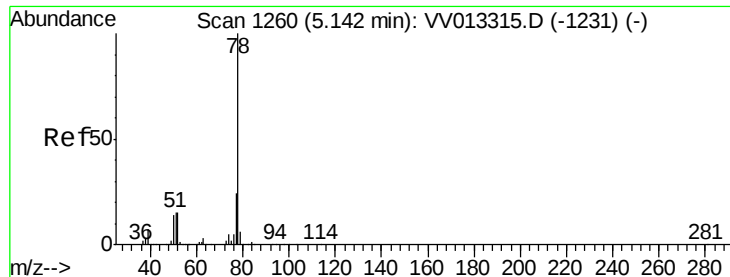


#25

Chloroform
Concen: 0.168 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013327.D
Acq: 24 Oct 2019 22:55

Tgt Ion: 83 Resp: 13823
Ion Ratio Lower Upper
83 100
85 64.3 45.7 84.9





#33

Benzene

Concen: 0.434 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VV013327.D

Acq: 24 Oct 2019 22:55

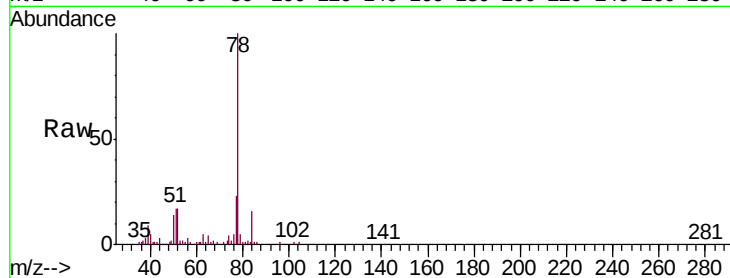
Instrument :

MSVOA_V

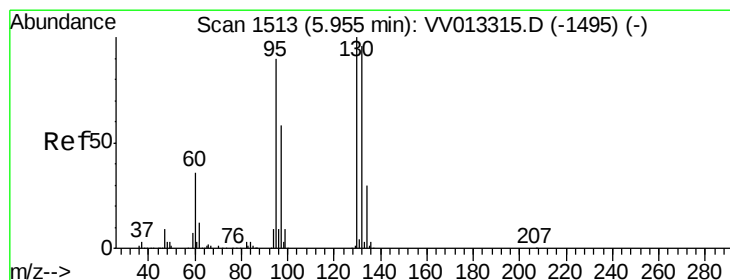
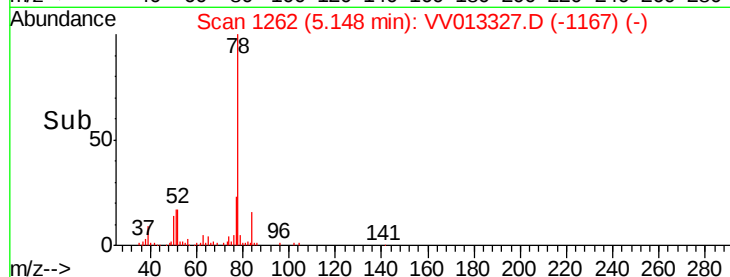
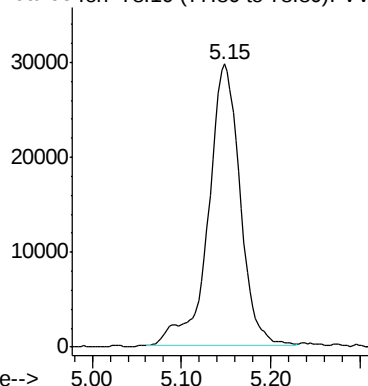
ClientSampleId :

C0K15

Tgt Ion: 78 Resp: 73954



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 20.735 ug/L

RT: 5.96 min Scan# 1513

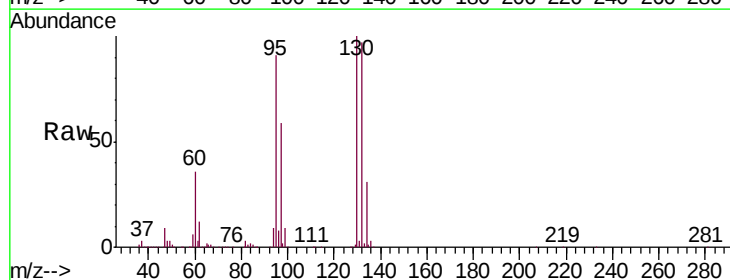
Delta R.T. -0.00 min

Lab File: VV013327.D

Acq: 24 Oct 2019 22:55

Tgt Ion: 95 Resp: 947500

Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.2	84.0
132	106.0	70.6	131.2
130	109.6	75.5	140.3

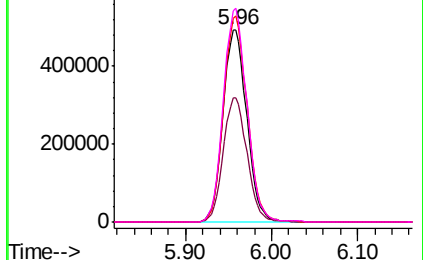
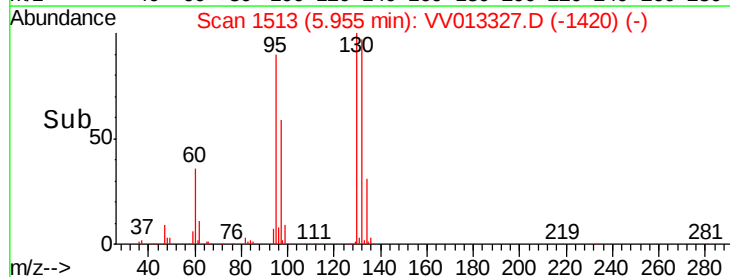


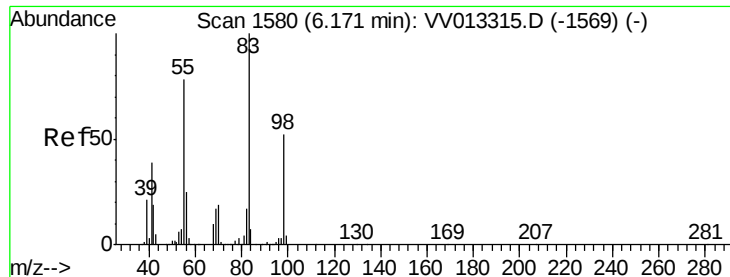
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

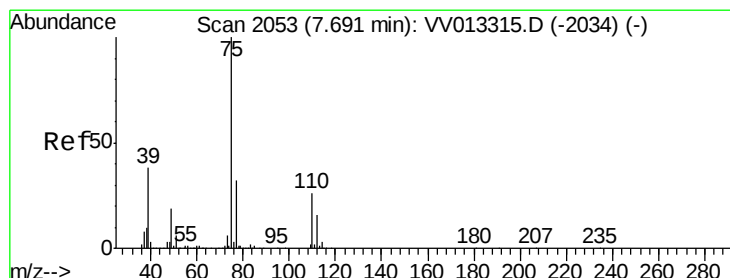
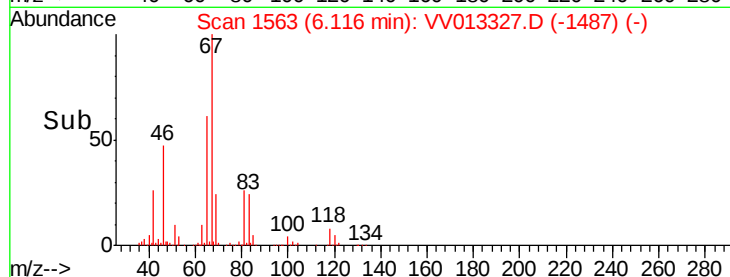
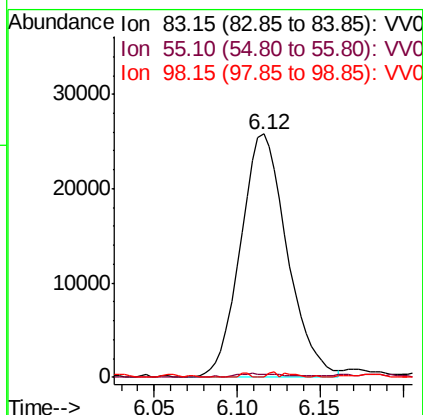
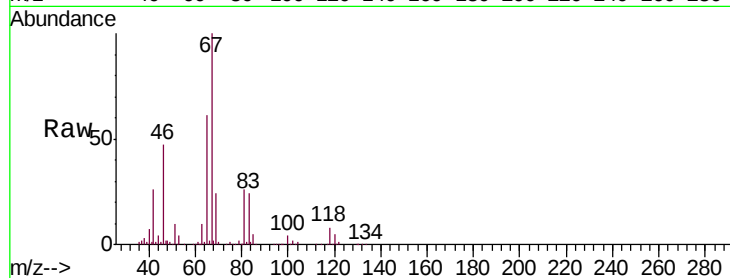




#35
Methylcyclohexane
Concen: 0.717 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV013327.D
Acq: 24 Oct 2019 22:55

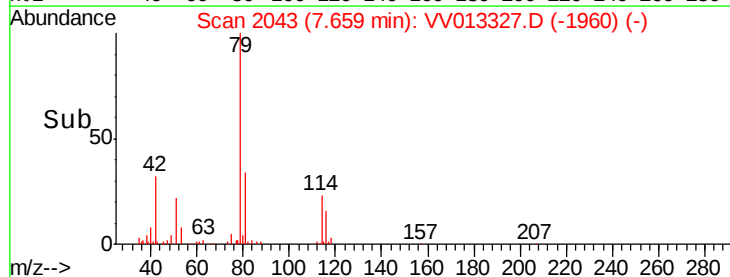
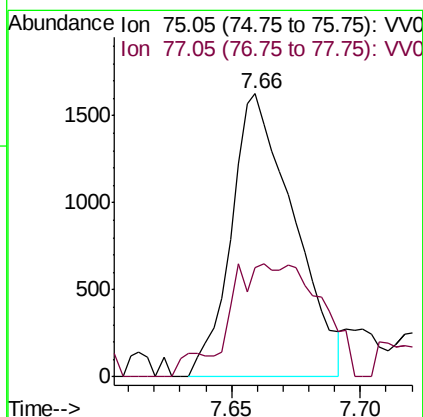
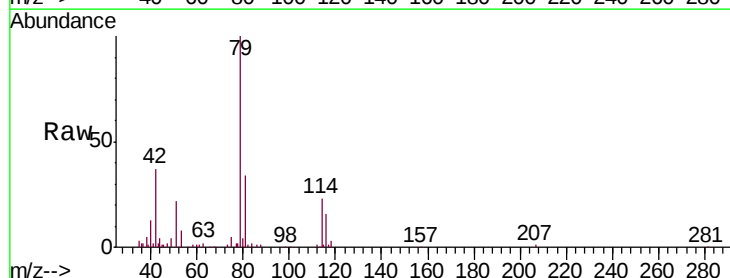
Instrument :
MSVOA_V
ClientSampleId :
C0K15

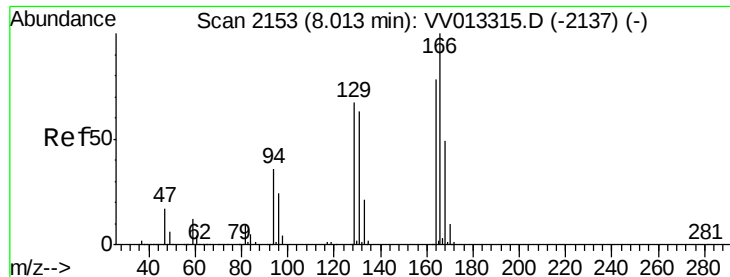
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.8	62.4	93.6#
98	0.0	39.2	58.8#



#44
trans-1,3-Dichloropropene
Concen: 0.062 ug/L
RT: 7.66 min Scan# 2043
Delta R.T. -0.03 min
Lab File: VV013327.D
Acq: 24 Oct 2019 22:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	38.7	21.8	40.6

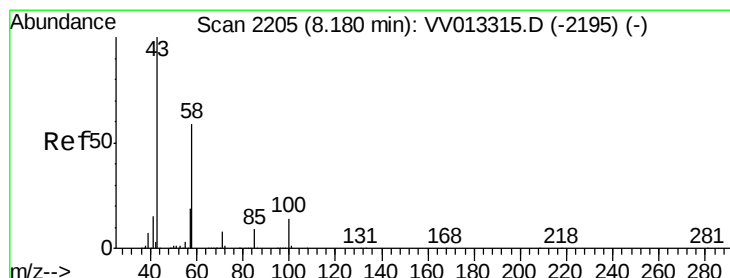
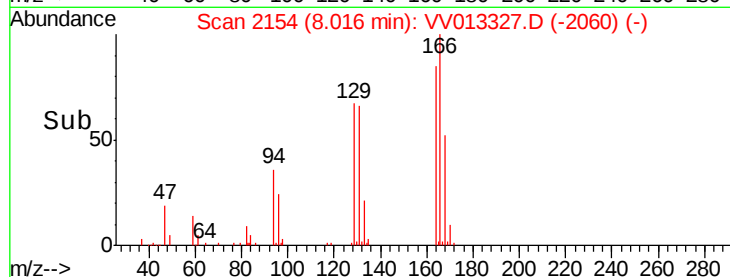
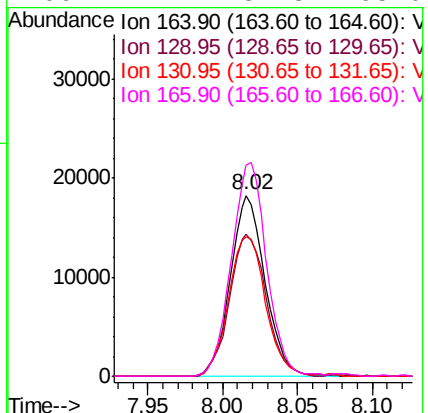
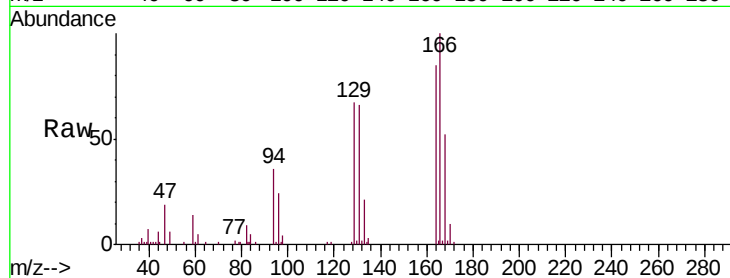




#47
Tetrachloroethene
Concen: 0.710 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013327.D
Acq: 24 Oct 2019 22:55

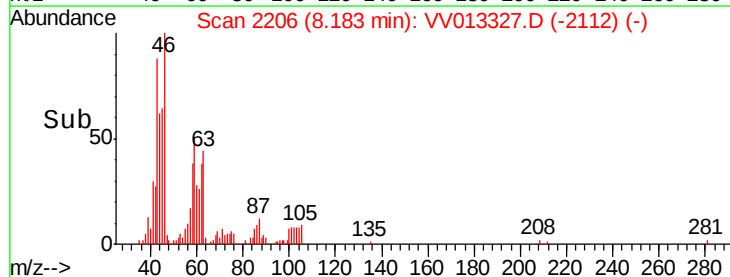
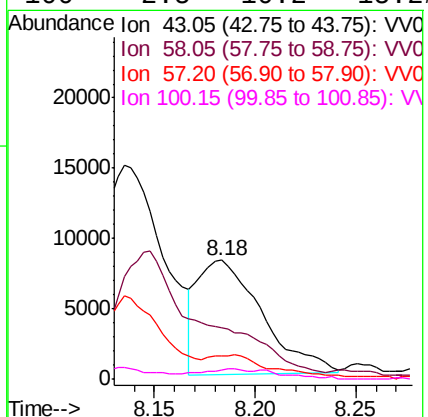
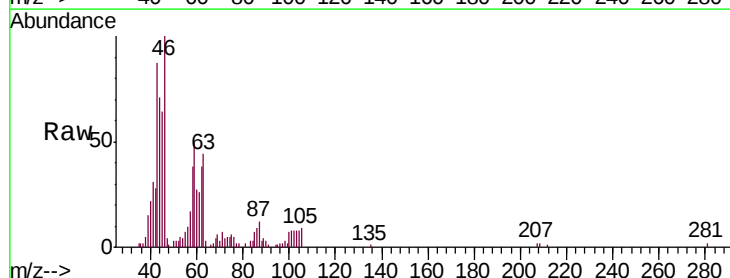
Instrument :
MSVOA_V
ClientSampleId :
C0K15

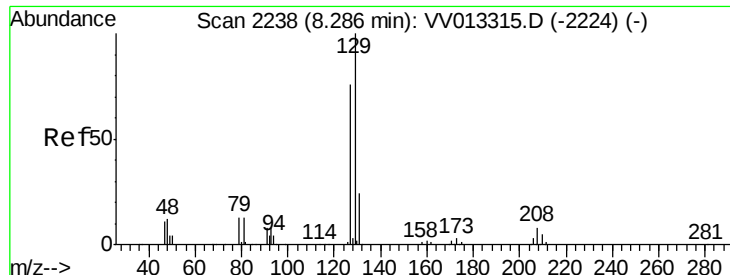
Tgt Ion:164 Resp: 29468
Ion Ratio Lower Upper
164 100
129 78.8 61.0 113.2
131 77.5 57.5 106.9
166 117.2 87.8 163.0



#48
2-Hexanone
Concen: 1.192 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013327.D
Acq: 24 Oct 2019 22:55

Tgt Ion: 43 Resp: 18001
Ion Ratio Lower Upper
43 100
58 0.0 45.1 67.7#
57 22.6 15.5 23.3
100 2.5 10.2 15.2#





#49

Dibromochloromethane

Concen: 0.656 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV013327.D

Acq: 24 Oct 2019 22:55

Instrument :

MSVOA_V

ClientSampleId :

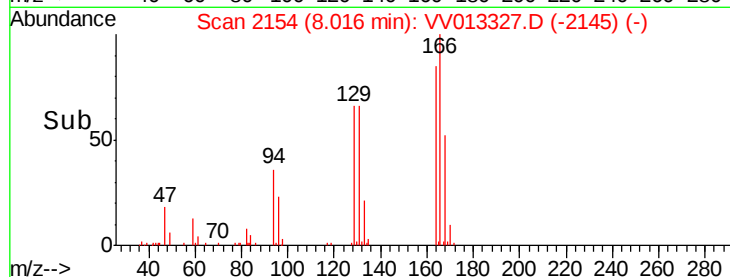
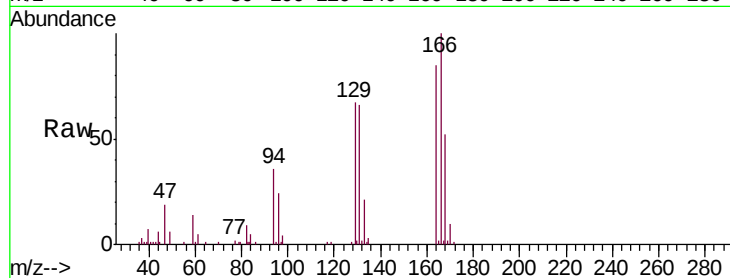
C0K15

Tgt Ion:129 Resp: 23874

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

