

Data File : VV013325.D
Acq On : 24 Oct 2019 22:08
Operator : SY/MD
Sample : K5462-15
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0K12

Quant Time: Oct 25 04:46:54 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	423485	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	461867	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	241388	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	159499	5.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.20%
7) Chloroethane-d5	1.59	69	133021	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.20%
11) 1,1-Dichloroethene-d2	2.13	63	195673	3.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.40%
20) 2-Butanone-d5	3.94	46	381783	63.67	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.34%
24) Chloroform-d	4.40	84	340549	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.08	65	164723	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.10	84	700059	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.12	67	216437	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.36	98	589144	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	7.66	79	61420	3.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.20%
46) 2-Hexanone-d5	8.13	63	211829	34.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	69.82%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	148018	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	247036	5.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

					Qvalue
5) Vinyl chloride	1.32	62	77516	1.897 ug/L	95
8) Chloroethane	1.32	64	27474	1.128 ug/L #	58
12) 1,1-Dichloroethene	2.14	96	3602	0.108 ug/L #	1
15) Methyl Acetate	2.46	43	3465	0.331 ug/L #	50
17) Methyl tert-butyl Ether	2.80	73	3829235	49.659 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	205411	5.233 ug/L	91
19) 1,1-Dichloroethane	3.23	63	106344	1.667 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	450299	10.718 ug/L #	93
25) Chloroform	4.43	83	14539	0.175 ug/L	92
33) Benzene	5.15	78	56280	0.319 ug/L	100
34) Trichloroethene	5.96	95	68716	1.452 ug/L	93
35) Methylcyclohexane	6.12	83	52194	0.717 ug/L #	19
37) 1,2-Dichloropropane	6.12	63	22595	0.527 ug/L #	85
44) trans-1,3-Dichloropropene	7.66	75	3105	0.068 ug/L #	76
48) 2-Hexanone	8.18	43	17857	1.142 ug/L #	38
53) m,p-xylene	9.18	106	6134	0.083 ug/L	69

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

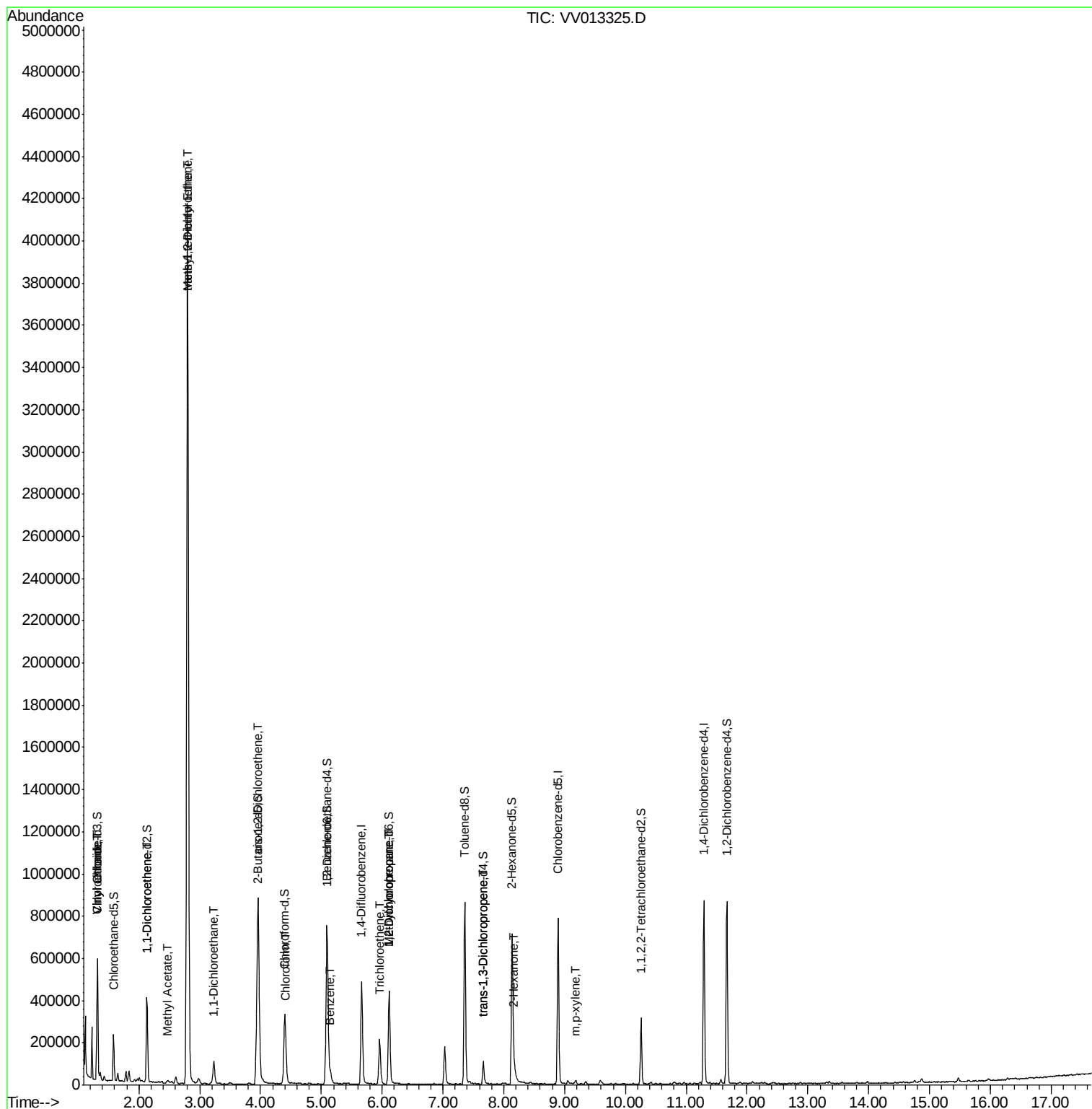
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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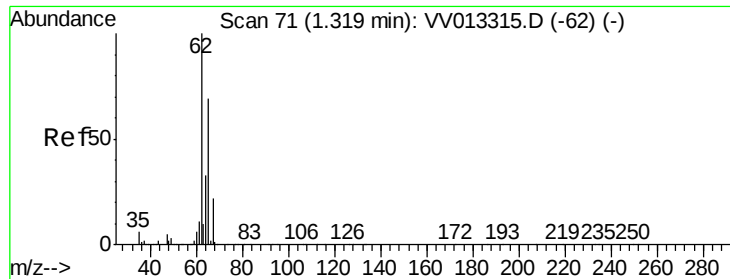
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.897 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.01 min

Lab File: VV013325.D

Acq: 24 Oct 2019 22:08

Instrument :

MSVOA_V

ClientSampleId :

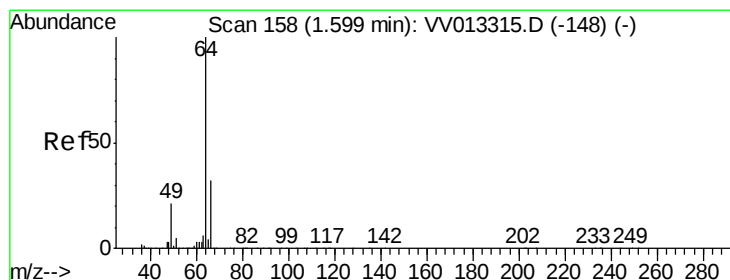
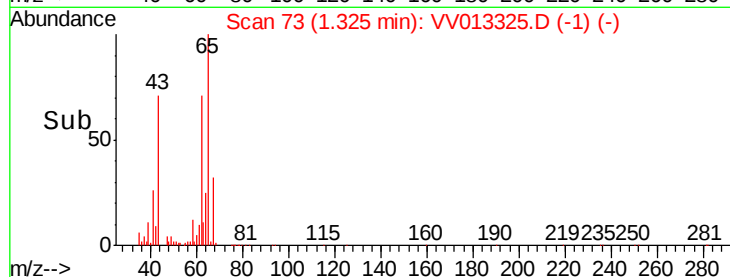
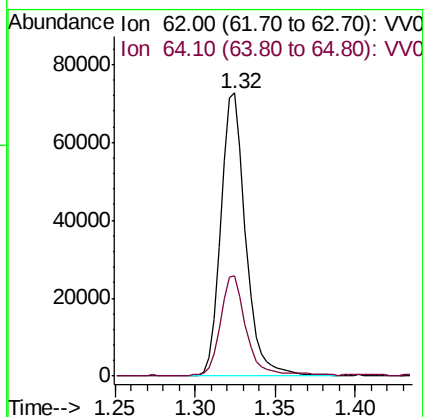
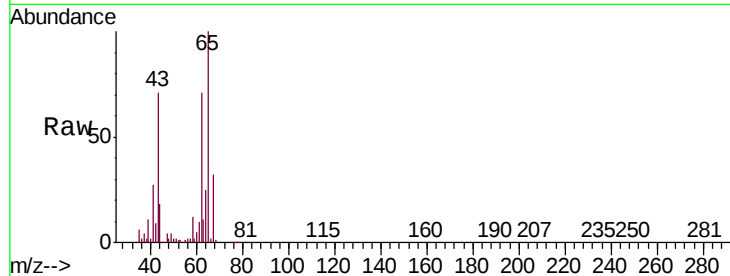
C0K12

Tgt Ion: 62 Resp: 77516

Ion Ratio Lower Upper

62 100

64 35.3 22.9 42.5



#8

Chloroethane

Concen: 1.128 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.27 min

Lab File: VV013325.D

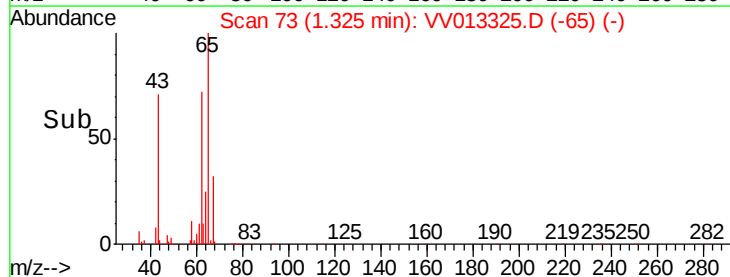
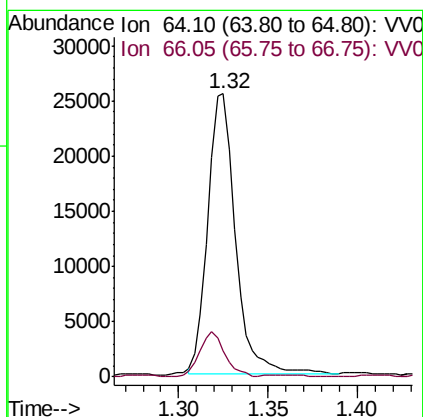
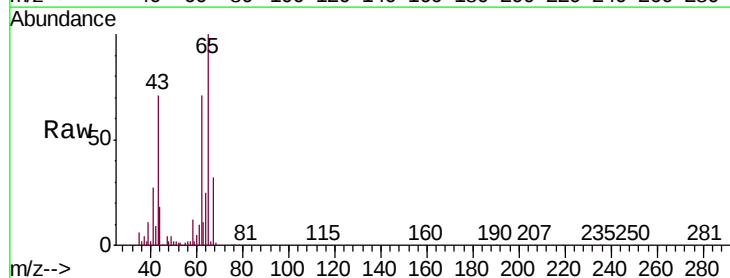
Acq: 24 Oct 2019 22:08

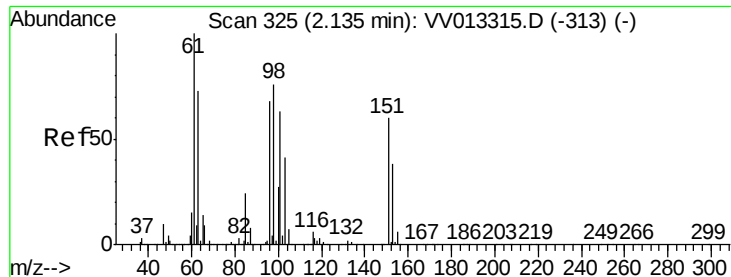
Tgt Ion: 64 Resp: 27474

Ion Ratio Lower Upper

64 100

66 9.2 22.7 42.3#





#12

1,1-Dichloroethene

Concen: 0.108 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013325.D

Acq: 24 Oct 2019 22:08

Instrument :

MSVOA_V

ClientSampleId :

C0K12

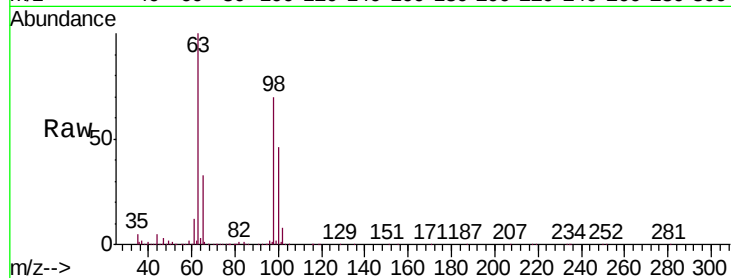
Tgt Ion: 96 Resp: 3602

Ion Ratio Lower Upper

96 100

61 705.1 104.0 193.1#

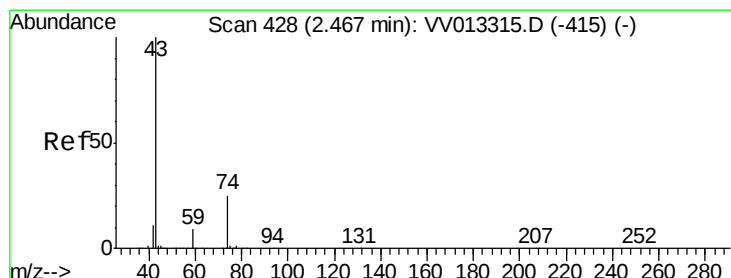
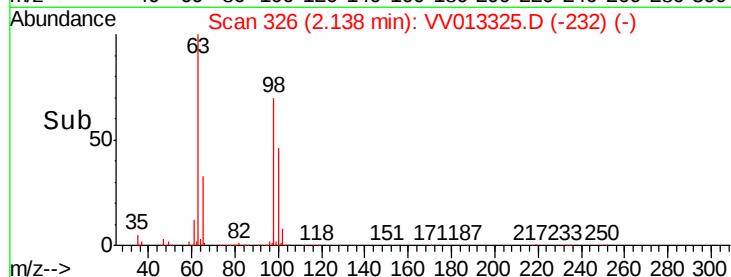
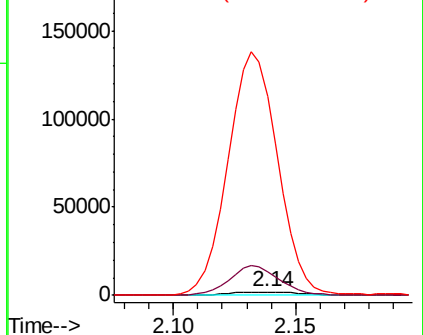
63 5966.6 67.1 124.5#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



#15

Methyl Acetate

Concen: 0.331 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.01 min

Lab File: VV013325.D

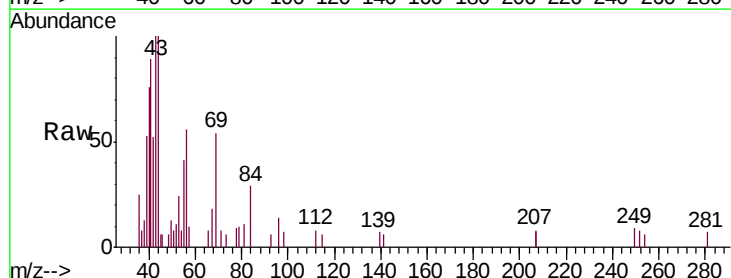
Acq: 24 Oct 2019 22:08

Tgt Ion: 43 Resp: 3465

Ion Ratio Lower Upper

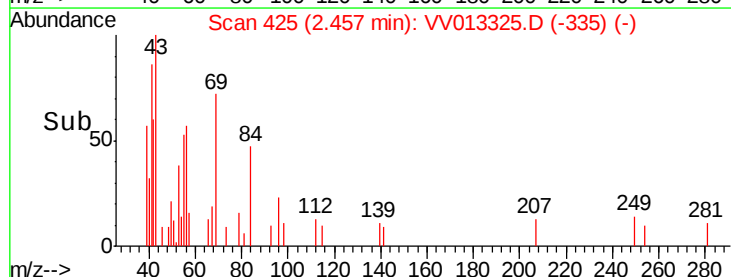
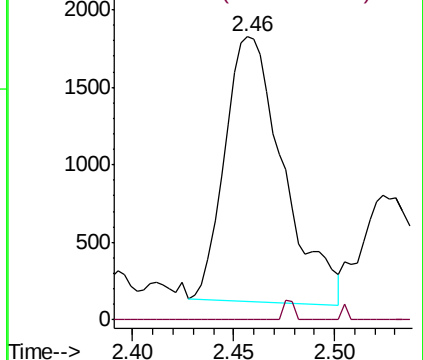
43 100

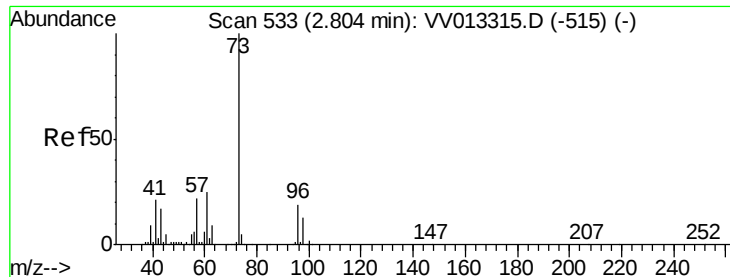
74 0.0 20.4 30.6#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

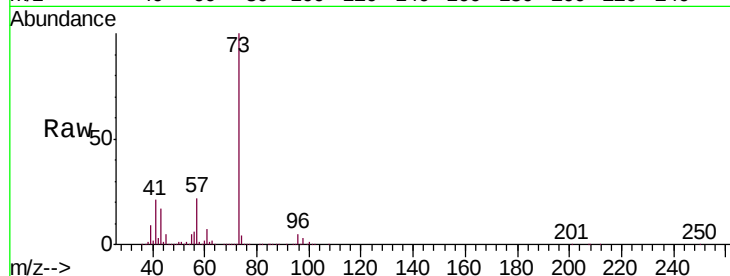




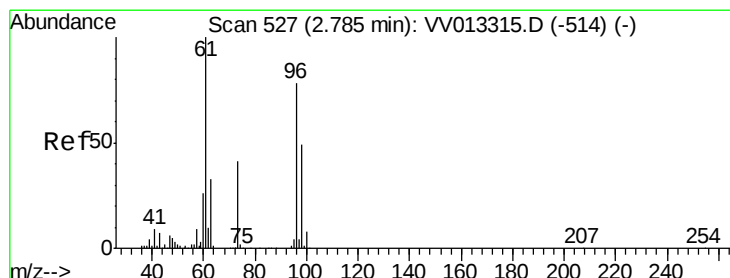
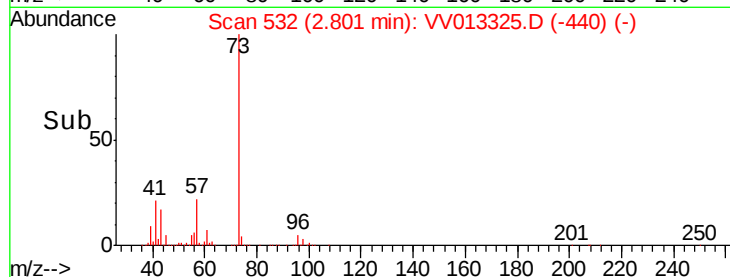
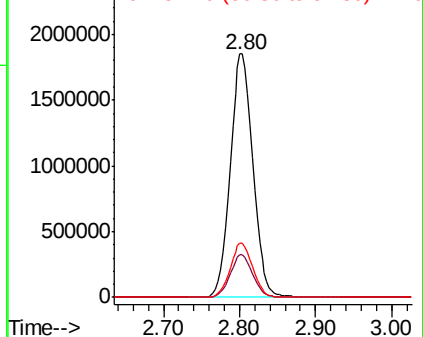
#17
Methyl tert-butyl Ether
Concen: 49.659 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV013325.D
Acq: 24 Oct 2019 22:08

Instrument :
MSVOA_V
ClientSampleId :
C0K12

Tgt Ion: 73 Resp: 3829235
Ion Ratio Lower Upper
73 100
43 17.4 13.1 19.7
57 22.1 16.4 24.6

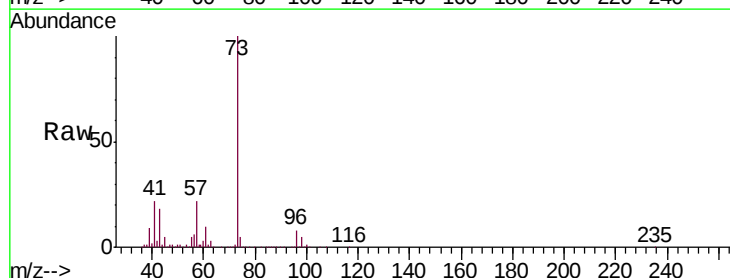


Abundance Ion 73.10 (72.80 to 73.80): VV0
2500000
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

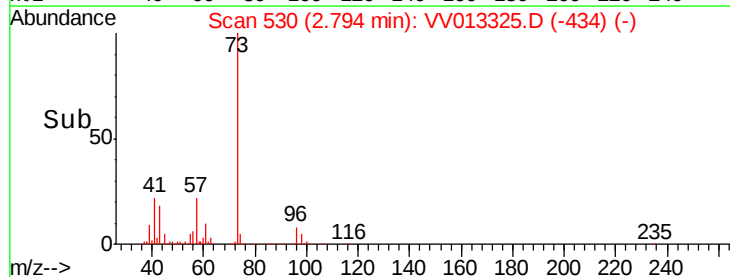
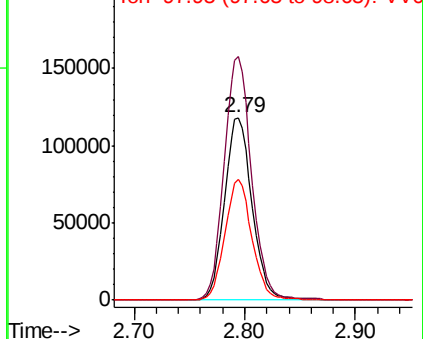


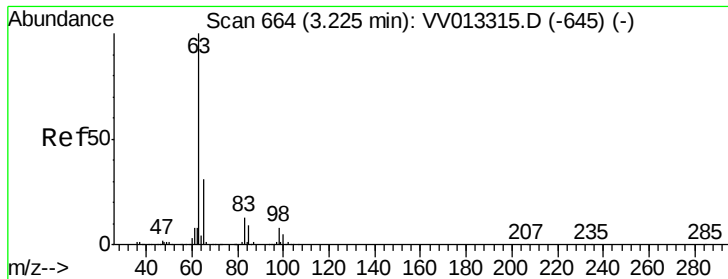
#18
trans-1,2-Dichloroethene
Concen: 5.233 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.01 min
Lab File: VV013325.D
Acq: 24 Oct 2019 22:08

Tgt Ion: 96 Resp: 205411
Ion Ratio Lower Upper
96 100
61 133.3 84.4 156.8
98 66.3 44.4 82.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
200000
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

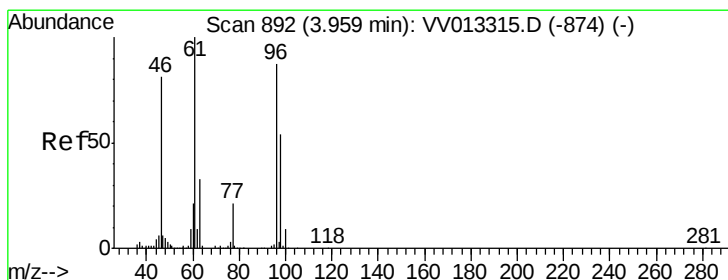
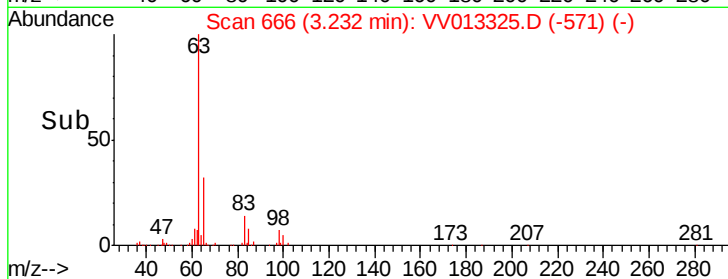
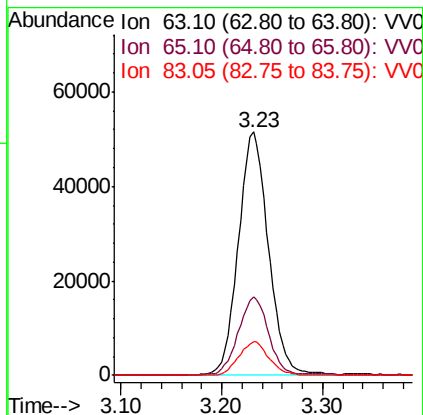
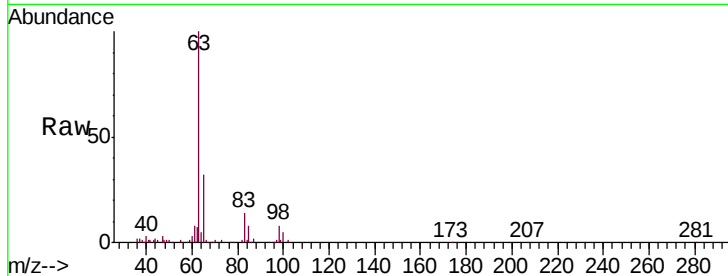




#19
 1,1-Dichloroethane
 Concen: 1.667 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VV013325.D
 Acq: 24 Oct 2019 22:08

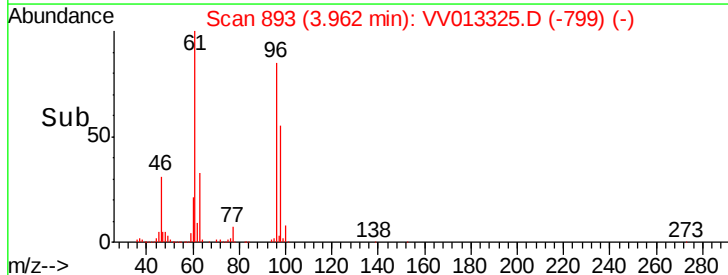
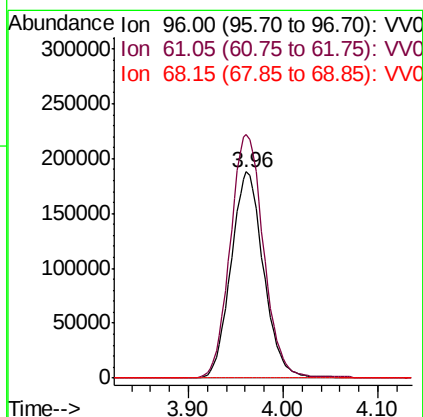
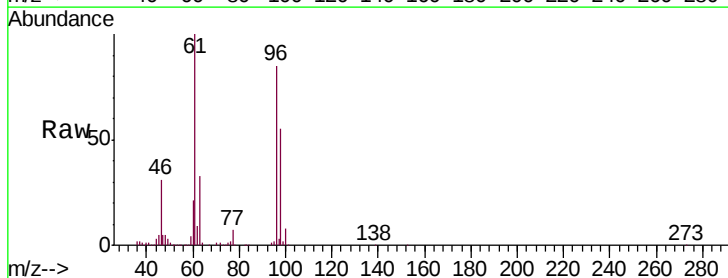
Instrument :
 MSVOA_V
 ClientSampleId :
 C0K12

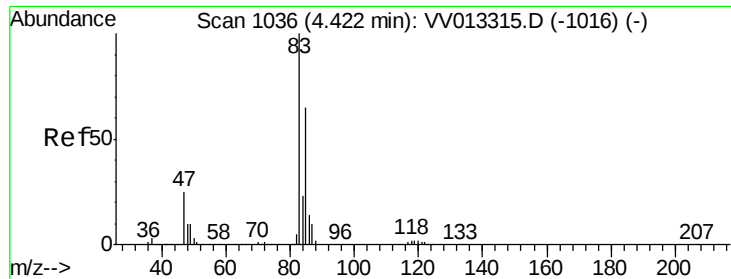
Tgt Ion: 63 Resp: 106344
 Ion Ratio Lower Upper
 63 100
 65 32.1 23.0 42.8
 83 13.8 10.2 19.0



#22
 cis-1,2-Dichloroethene
 Concen: 10.718 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV013325.D
 Acq: 24 Oct 2019 22:08

Tgt Ion: 96 Resp: 450299
 Ion Ratio Lower Upper
 96 100
 61 118.2 77.3 143.7
 68 0.0 0.1 0.1#





#25

Chloroform

Concen: 0.175 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VV013325.D

Acq: 24 Oct 2019 22:08

Instrument :

MSVOA_V

ClientSampleId :

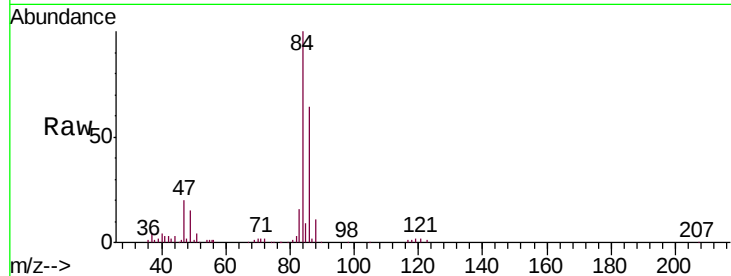
C0K12

Tgt Ion: 83 Resp: 14539

Ion Ratio Lower Upper

83 100

85 59.0 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

6000

5000

4000

3000

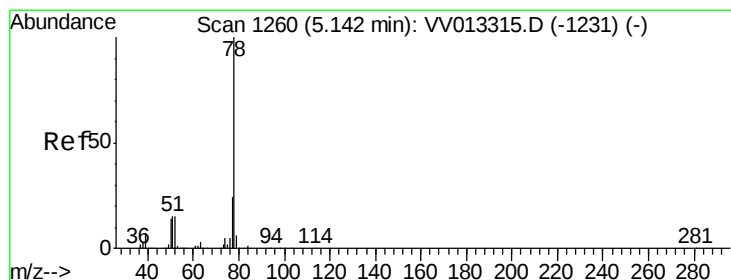
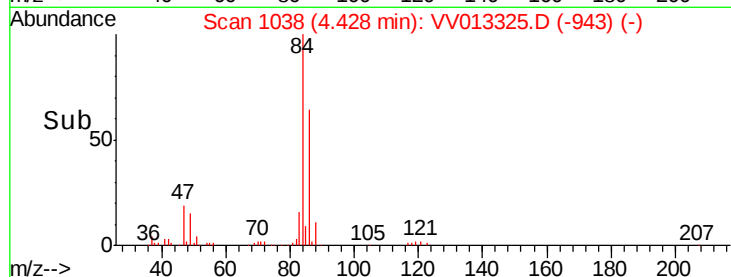
2000

1000

0

4.35 4.40 4.45 4.50

Time-->



#33

Benzene

Concen: 0.319 ug/L

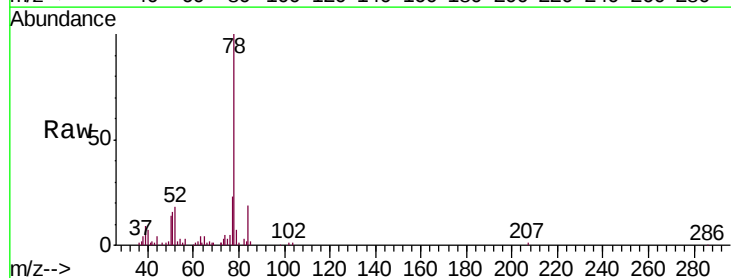
RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VV013325.D

Acq: 24 Oct 2019 22:08

Tgt Ion: 78 Resp: 56280



Abundance Ion 78.10 (77.80 to 78.80): VV0

25000

20000

15000

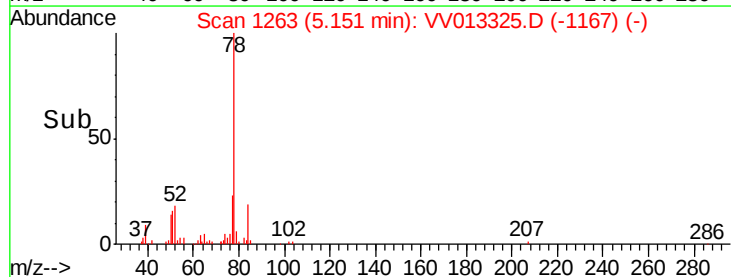
10000

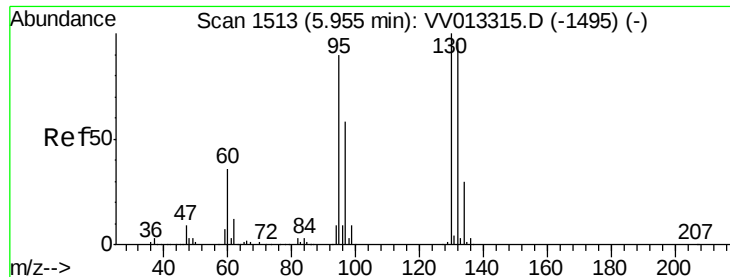
5000

0

5.10 5.15 5.20 5.25

Time-->





#34

Trichloroethene

Concen: 1.452 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV013325.D

Acq: 24 Oct 2019 22:08

Instrument :

MSVOA_V

ClientSampleId :

C0K12

Tgt Ion: 95 Resp: 68716

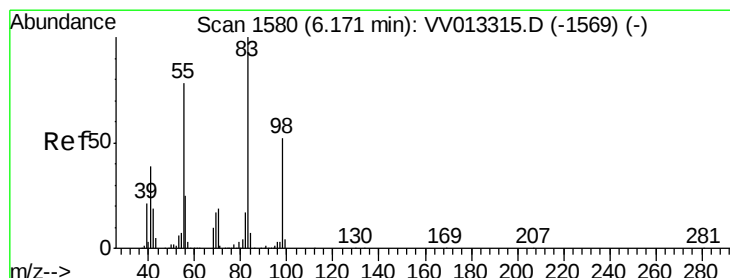
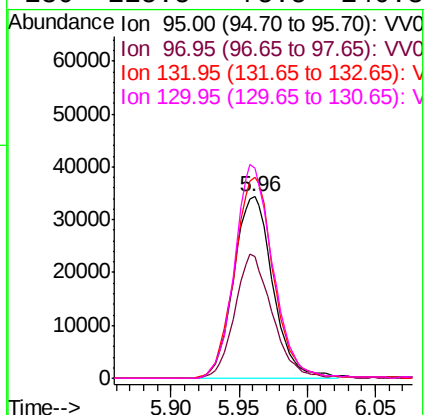
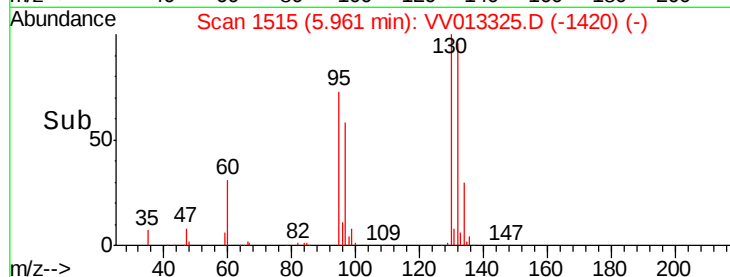
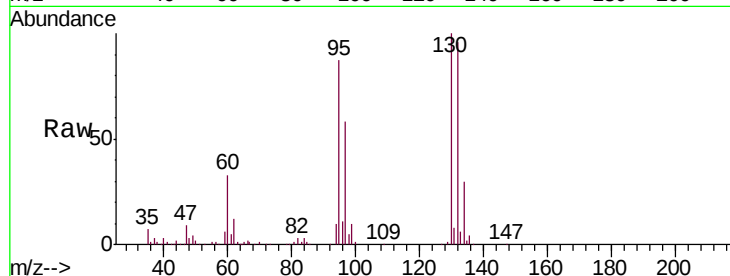
Ion Ratio Lower Upper

95 100

97 66.9 45.2 84.0

132 110.6 70.6 131.2

130 115.5 75.5 140.3



#35

Methylcyclohexane

Concen: 0.717 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV013325.D

Acq: 24 Oct 2019 22:08

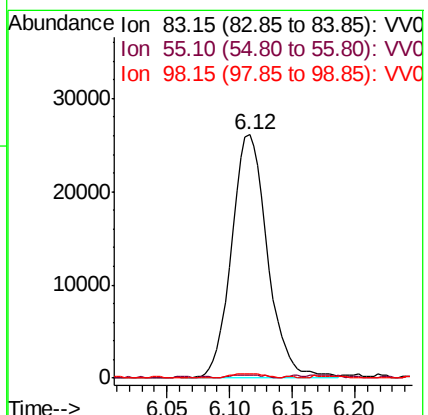
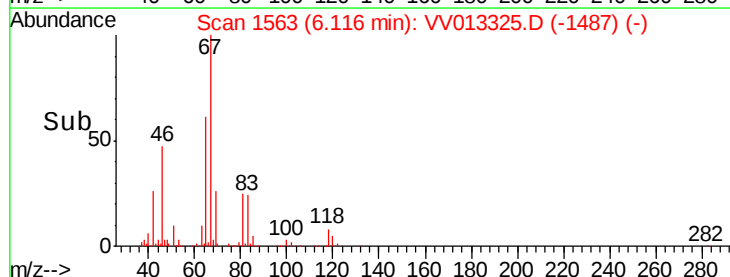
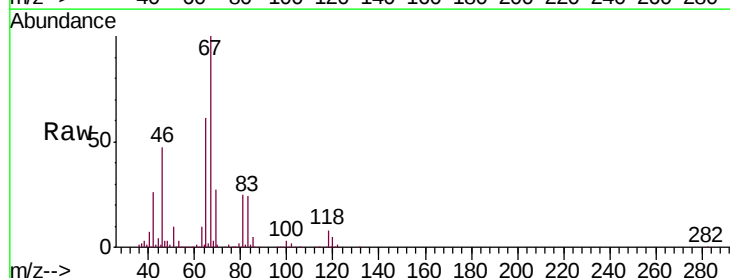
Tgt Ion: 83 Resp: 52194

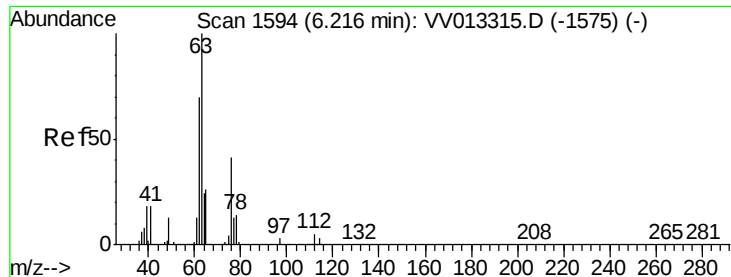
Ion Ratio Lower Upper

83 100

55 0.6 62.4 93.6#

98 1.6 39.2 58.8#





#37

1,2-Dichloropropane

Concen: 0.527 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013325.D

Acq: 24 Oct 2019 22:08

Instrument :

MSVOA_V

ClientSampleId :

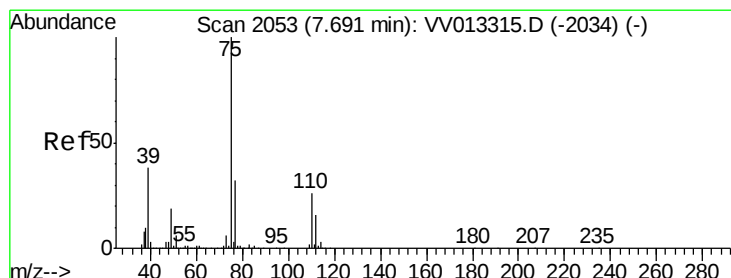
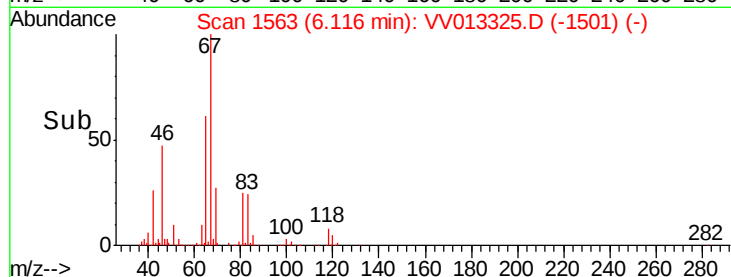
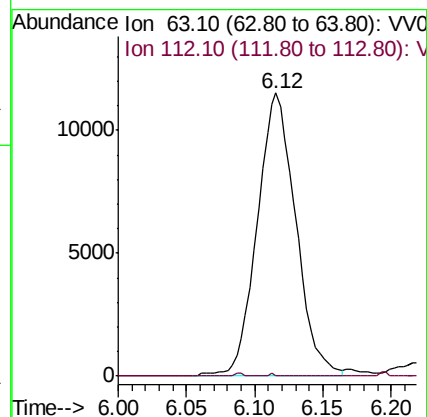
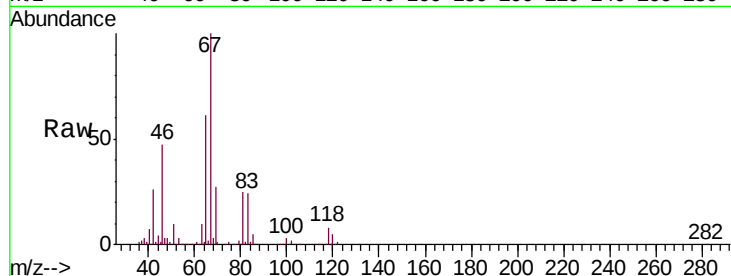
C0K12

Tgt Ion: 63 Resp: 22595

Ion Ratio Lower Upper

63 100

112 0.1 4.1 6.1#



#44

trans-1,3-Dichloropropene

Concen: 0.068 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013325.D

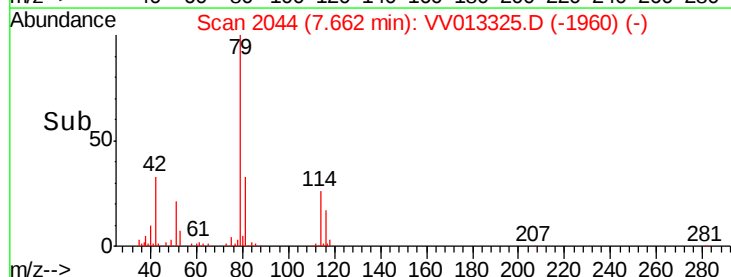
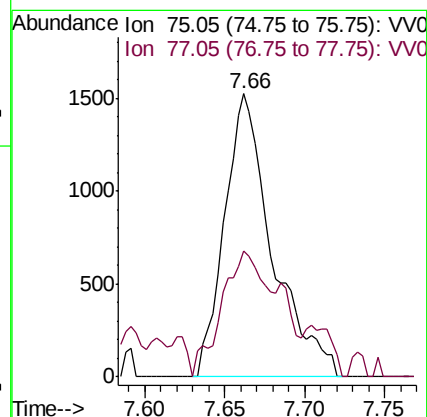
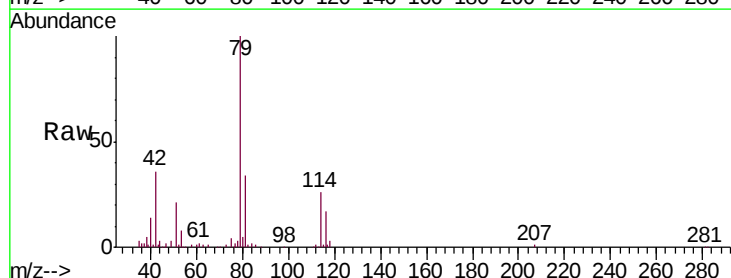
Acq: 24 Oct 2019 22:08

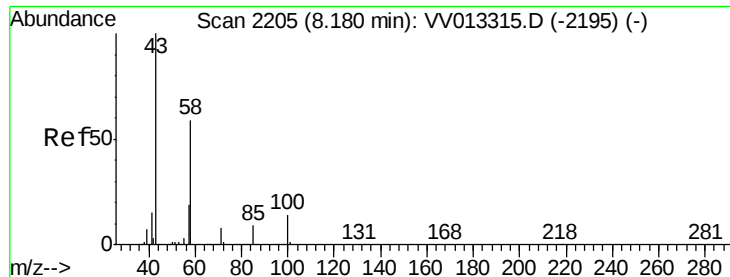
Tgt Ion: 75 Resp: 3105

Ion Ratio Lower Upper

75 100

77 44.5 21.8 40.6#

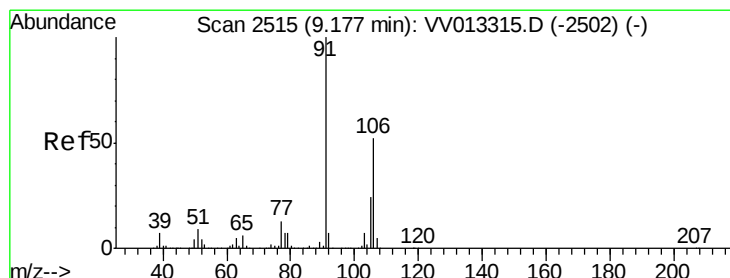
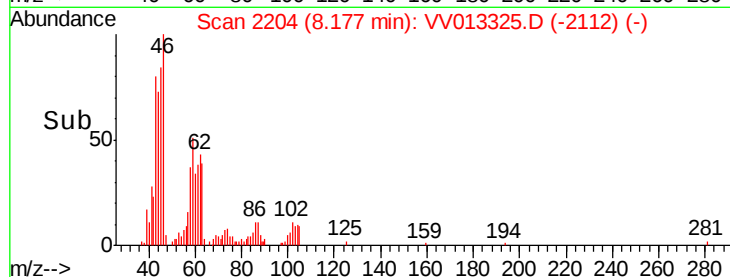
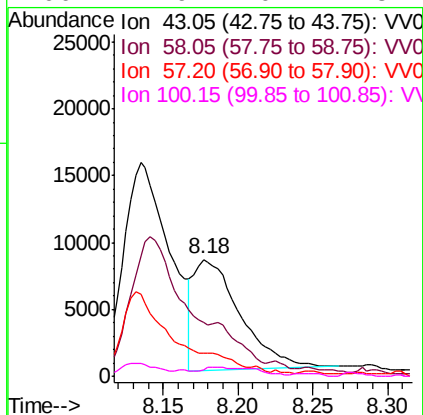
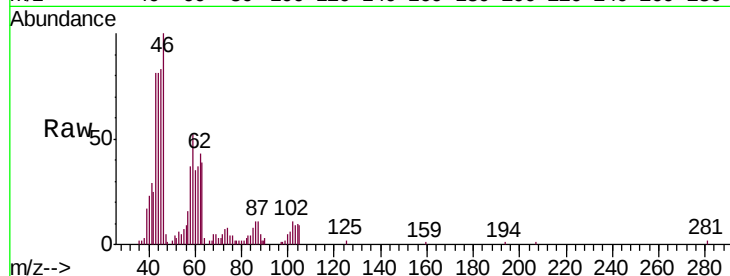




#48
2-Hexanone
Concen: 1.142 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VV013325.D
Acq: 24 Oct 2019 22:08

Instrument :
MSVOA_V
ClientSampleId :
C0K12

Tgt Ion: 43 Resp: 17857
Ion Ratio Lower Upper
43 100
58 0.0 45.1 67.7#
57 0.0 15.5 23.3#
100 1.9 10.2 15.2#



#53
m,p-xylene
Concen: 0.083 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.01 min
Lab File: VV013325.D
Acq: 24 Oct 2019 22:08

Tgt Ion: 106 Resp: 6134
Ion Ratio Lower Upper
106 100
91 149.9 137.8 255.8

