

Data File : VV013324.D
Acq On : 24 Oct 2019 21:45
Operator : SY/MD
Sample : K5462-14
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0K10DL

Quant Time: Oct 25 04:46:45 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	420603	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	444378	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	239148	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	154893	5.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.00%
7) Chloroethane-d5	1.59	69	132186	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.20%
11) 1,1-Dichloroethene-d2	2.13	63	193739	3.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.20%
20) 2-Butanone-d5	3.94	46	381337	64.04	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.08%
24) Chloroform-d	4.40	84	339692	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.08	65	163860	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.10	84	694429	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.12	67	211560	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.36	98	577947	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	7.66	79	60373	3.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.60%
46) 2-Hexanone-d5	8.13	63	198028	33.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	67.84%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	149813	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	247175	5.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.20%

Target Compounds

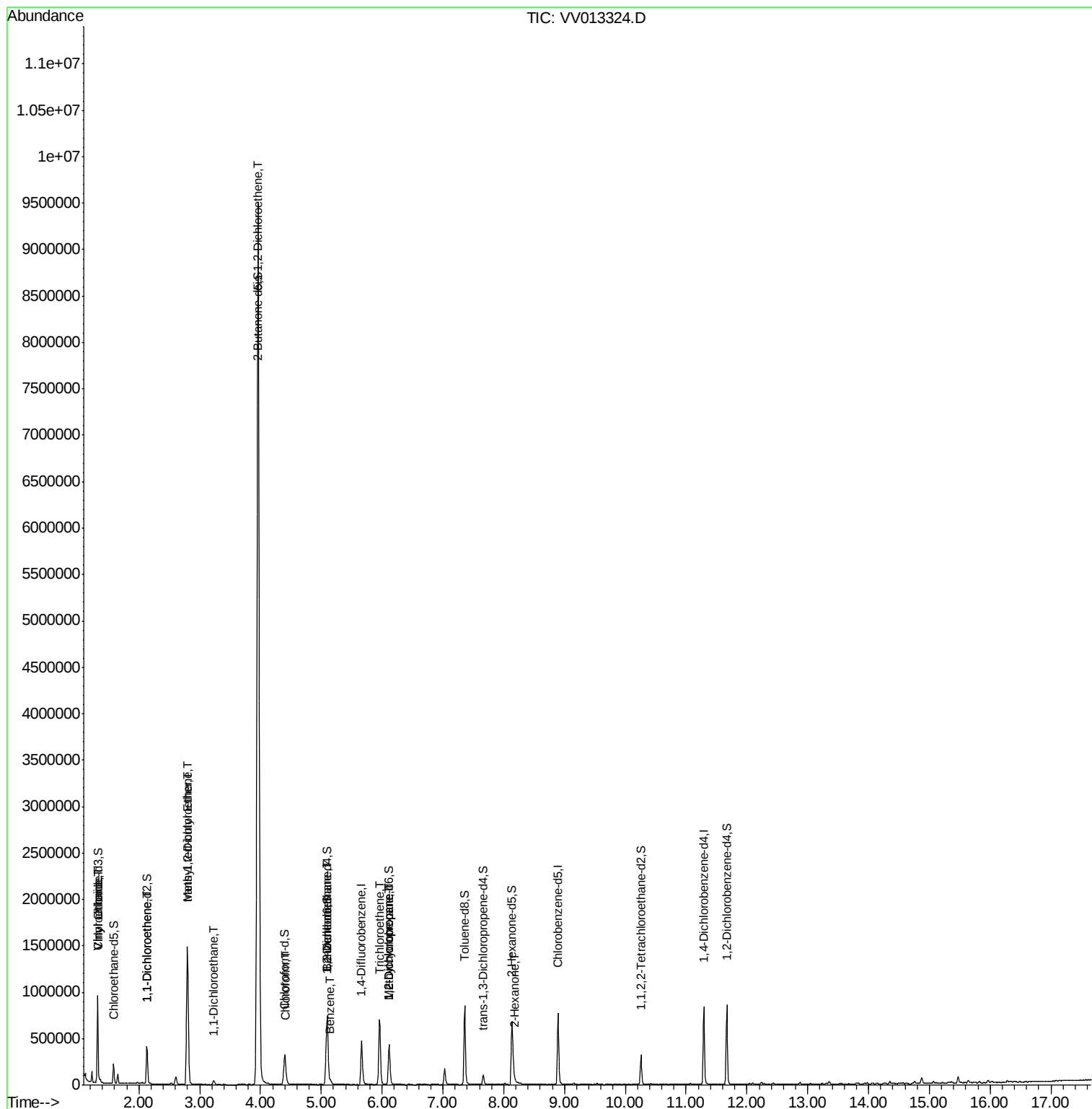
					Qvalue
5) Vinyl chloride	1.33	62	350197	8.627 ug/L	100
8) Chloroethane	1.33	64	112796	4.663 ug/L #	46
12) 1,1-Dichloroethene	2.14	96	8310	0.251 ug/L #	1
17) Methyl tert-butyl Ether	2.80	73	830077	10.838 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	302103	7.749 ug/L	95
19) 1,1-Dichloroethane	3.23	63	44071	0.696 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	5555986	133.155 ug/L #	93
25) Chloroform	4.42	83	10545	0.128 ug/L	88
27) 1,2-Dichloroethane	5.10	62	3655	0.083 ug/L	98
33) Benzene	5.15	78	37862	0.223 ug/L	100
34) Trichloroethene	5.96	95	239294	5.256 ug/L	98
35) Methylcyclohexane	6.12	83	52396	0.748 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	21755	0.528 ug/L #	86
48) 2-Hexanone	8.18	43	15618	1.038 ug/L #	41

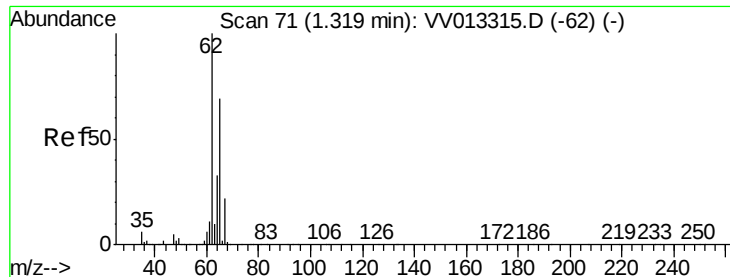
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV013324.D
Acq On : 24 Oct 2019 21:45
Operator : SY/MD
Sample : K5462-14
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0K10DL

Quant Time: Oct 25 04:46:45 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





#5

Vinyl chloride

Concen: 8.627 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.01 min

Lab File: VV013324.D

Acq: 24 Oct 2019 21:45

Instrument :

MSVOA_V

ClientSampleId :

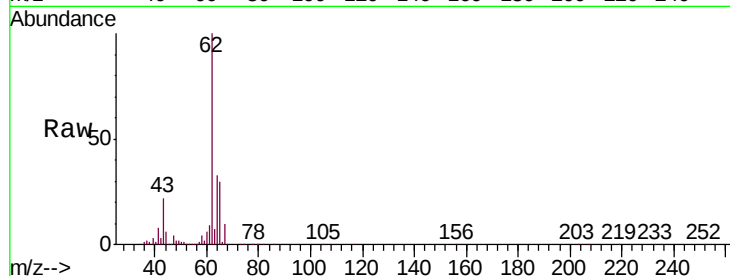
C0K10DL

Tgt Ion: 62 Resp: 350197

Ion Ratio Lower Upper

62 100

64 32.8 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.33

300000

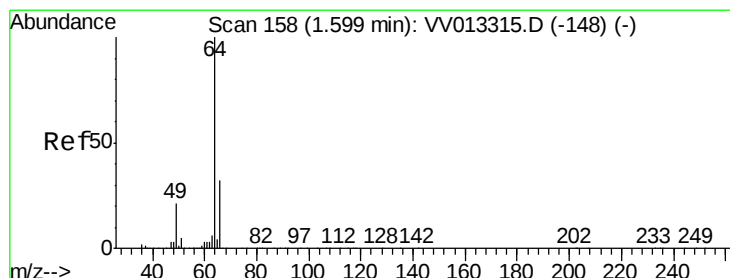
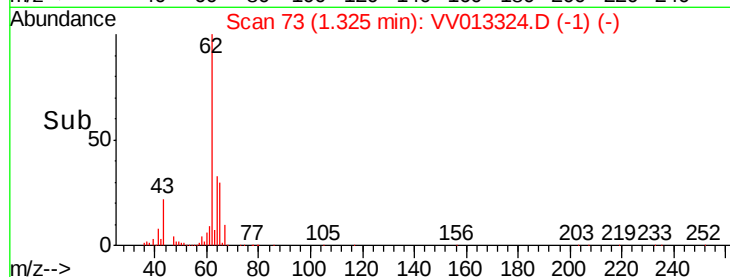
200000

100000

0

Time-->

1.25 1.30 1.35 1.40 1.45



#8

Chloroethane

Concen: 4.663 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.27 min

Lab File: VV013324.D

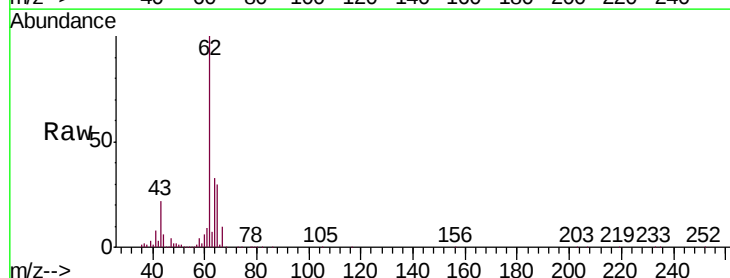
Acq: 24 Oct 2019 21:45

Tgt Ion: 64 Resp: 112796

Ion Ratio Lower Upper

64 100

66 2.3 22.7 42.3#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.33

120000

100000

80000

60000

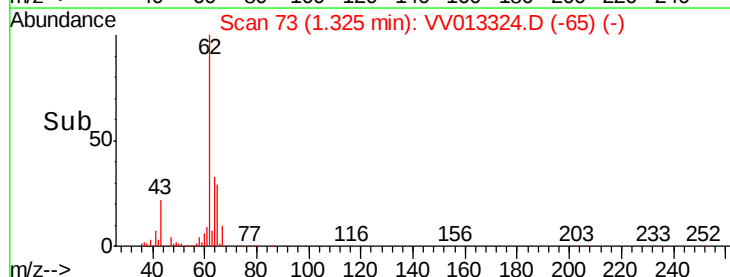
40000

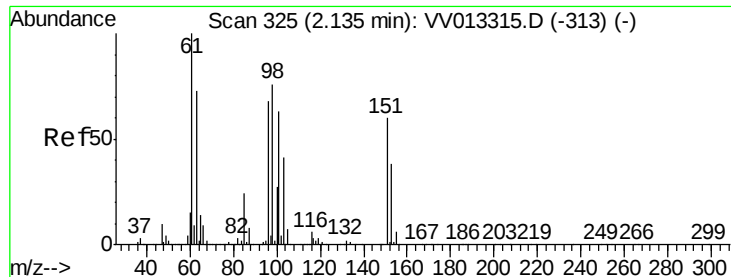
20000

0

Time-->

1.30 1.35 1.40





#12

1,1-Dichloroethene

Concen: 0.251 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.01 min

Lab File: VV013324.D

Acq: 24 Oct 2019 21:45

Instrument :

MSVOA_V

ClientSampleId :

C0K10DL

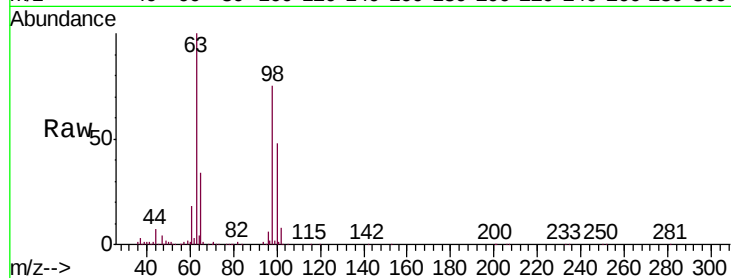
Tgt Ion: 96 Resp: 8310

Ion Ratio Lower Upper

96 100

61 285.9 104.0 193.1#

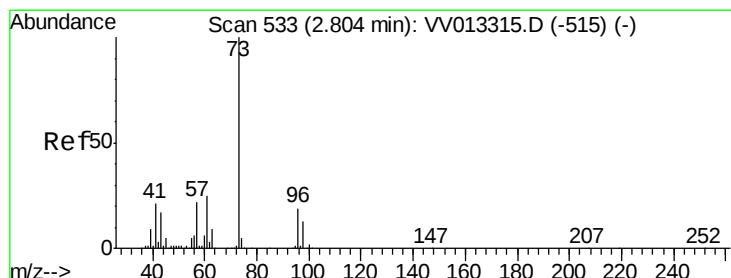
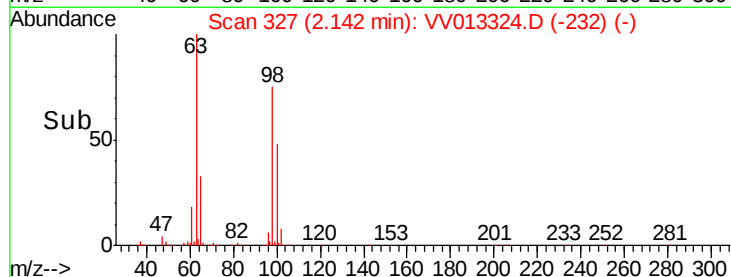
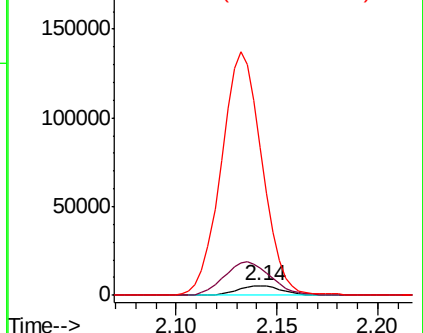
63 1580.6 67.1 124.5#



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



#17

Methyl tert-butyl Ether

Concen: 10.838 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV013324.D

Acq: 24 Oct 2019 21:45

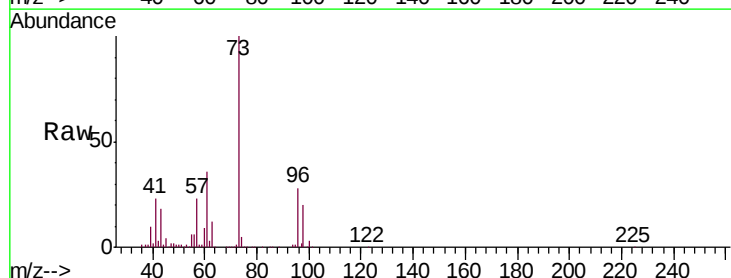
Tgt Ion: 73 Resp: 830077

Ion Ratio Lower Upper

73 100

43 17.7 13.1 19.7

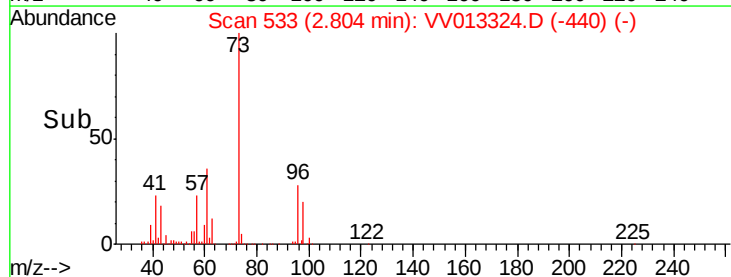
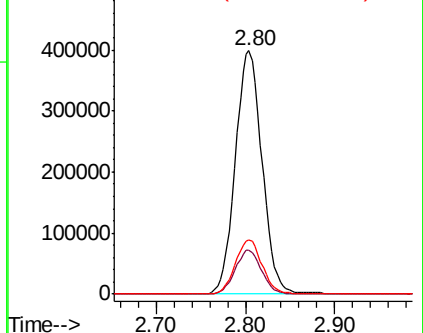
57 22.2 16.4 24.6

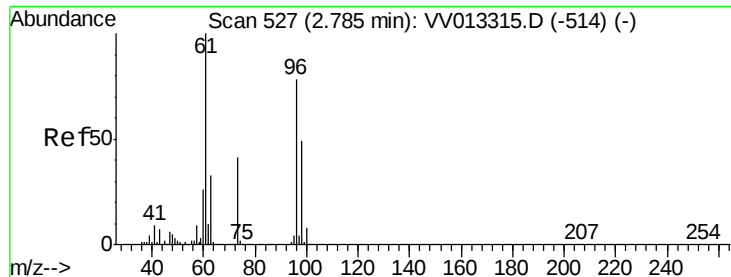


Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0





#18

trans-1,2-Dichloroethene

Concen: 7.749 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.01 min

Lab File: VV013324.D

Acq: 24 Oct 2019 21:45

Instrument :

MSVOA_V

ClientSampleId :

C0K10DL

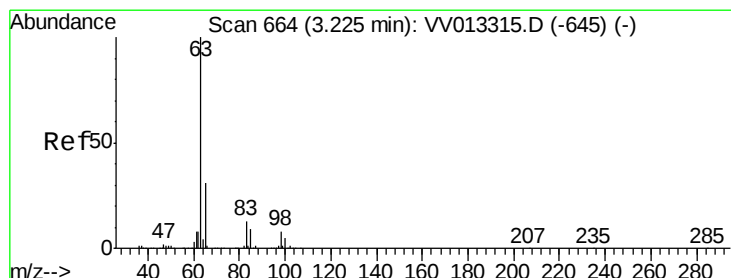
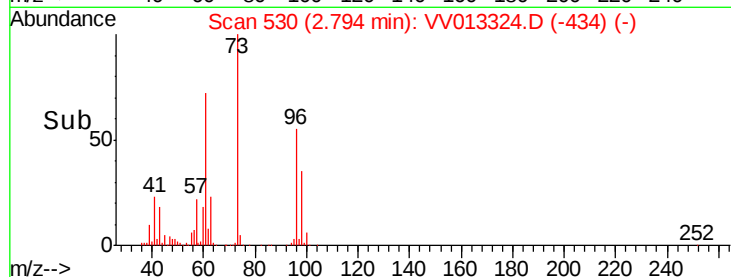
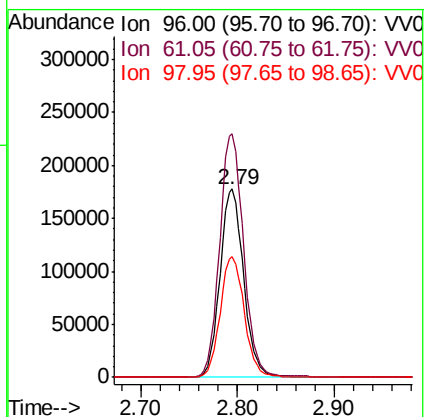
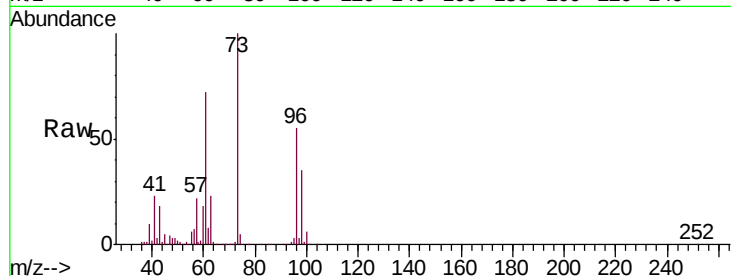
Tgt Ion: 96 Resp: 302103

Ion Ratio Lower Upper

96 100

61 129.3 84.4 156.8

98 63.9 44.4 82.4



#19

1,1-Dichloroethane

Concen: 0.696 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.01 min

Lab File: VV013324.D

Acq: 24 Oct 2019 21:45

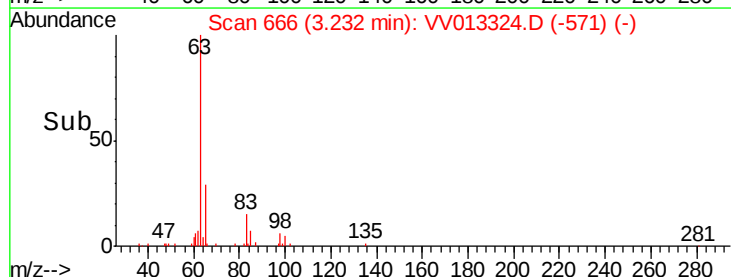
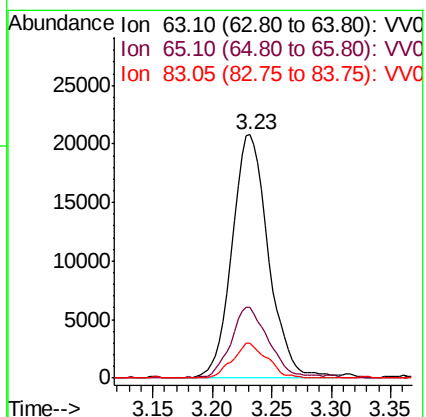
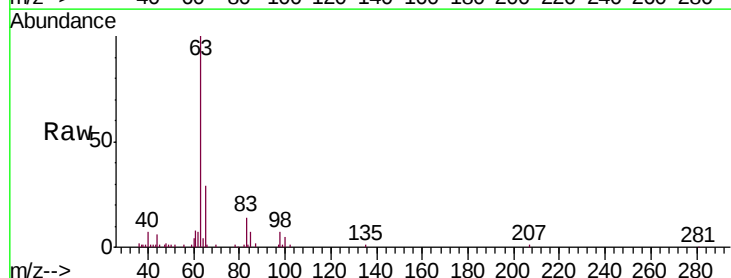
Tgt Ion: 63 Resp: 44071

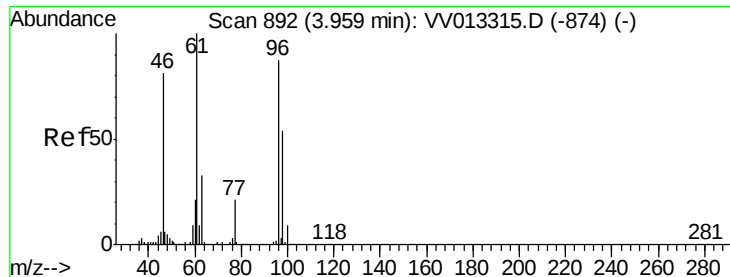
Ion Ratio Lower Upper

63 100

65 28.9 23.0 42.8

83 14.4 10.2 19.0





#22

cis-1,2-Dichloroethene

Concen: 133.155 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV013324.D

Acq: 24 Oct 2019 21:45

Instrument :

MSVOA_V

ClientSampleId :

C0K10DL

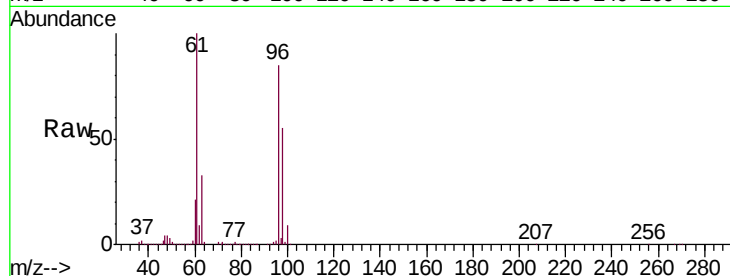
Tgt Ion: 96 Resp: 5555986

Ion Ratio Lower Upper

96 100

61 118.0 77.3 143.7

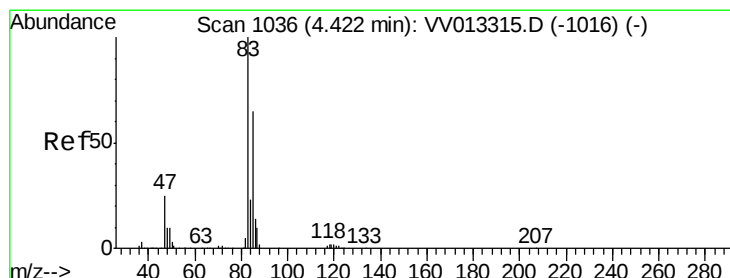
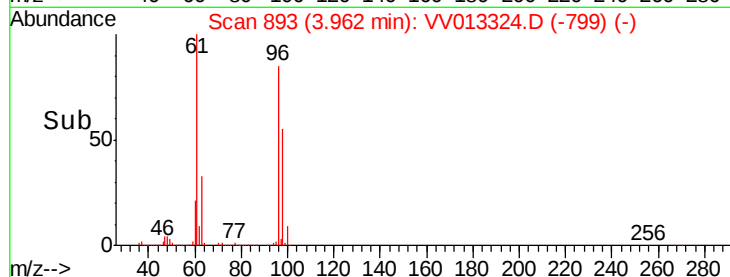
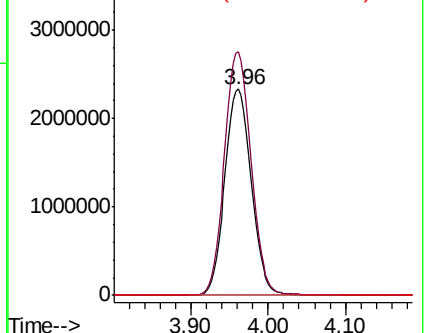
68 0.0 0.1 0.1#



Abundance Ion 96.00 (95.70 to 96.70): VV013324.D (-799) (-)

Ion 61.05 (60.75 to 61.75): VV013324.D (-799) (-)

Ion 68.15 (67.85 to 68.85): VV013324.D (-799) (-)



#25

Chloroform

Concen: 0.128 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV013324.D

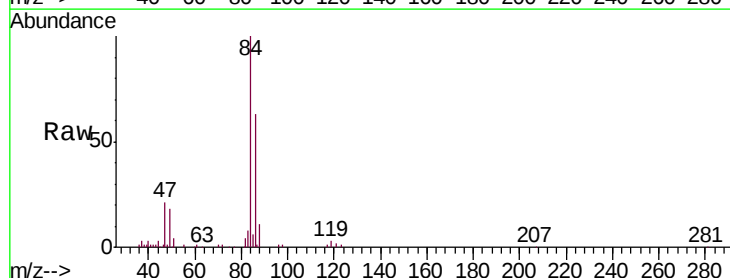
Acq: 24 Oct 2019 21:45

Tgt Ion: 83 Resp: 10545

Ion Ratio Lower Upper

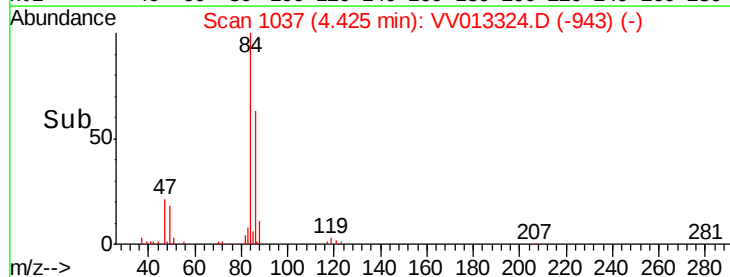
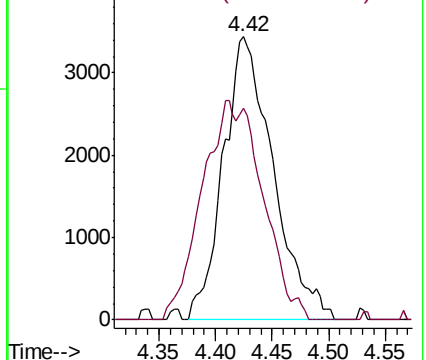
83 100

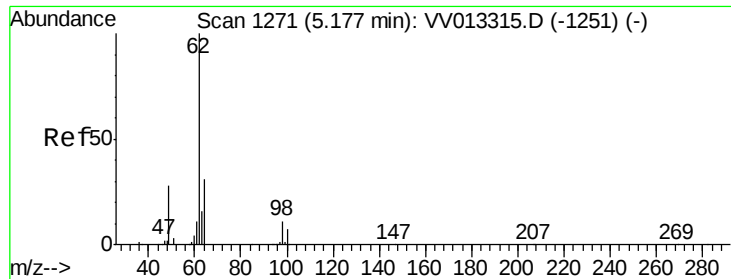
85 74.8 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV013324.D (-943) (-)

Ion 85.00 (84.70 to 85.70): VV013324.D (-943) (-)





#27

1,2-Dichloroethane

Concen: 0.083 ug/L

RT: 5.10 min Scan# 1247

Delta R.T. -0.08 min

Lab File: VV013324.D

Acq: 24 Oct 2019 21:45

Instrument :

MSVOA_V

ClientSampleId :

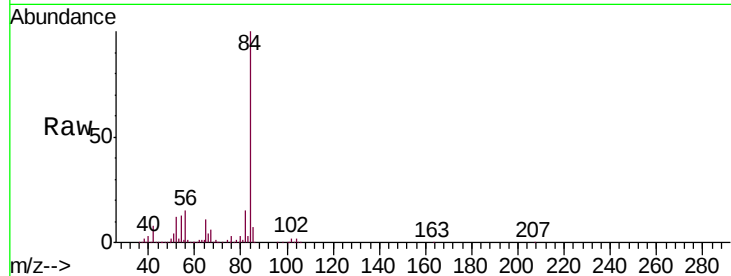
C0K10DL

Tgt Ion: 62 Resp: 3655

Ion Ratio Lower Upper

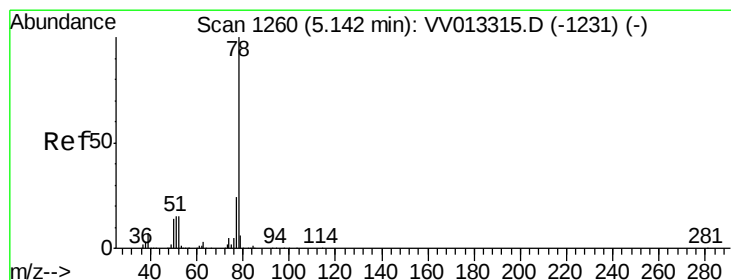
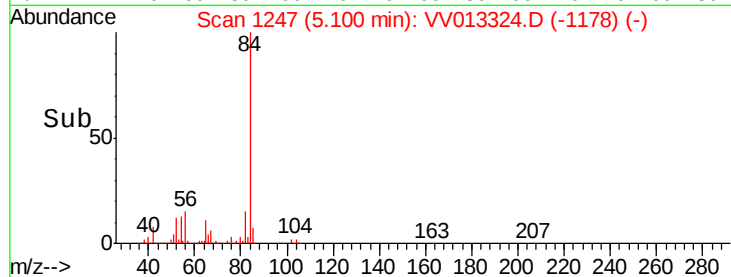
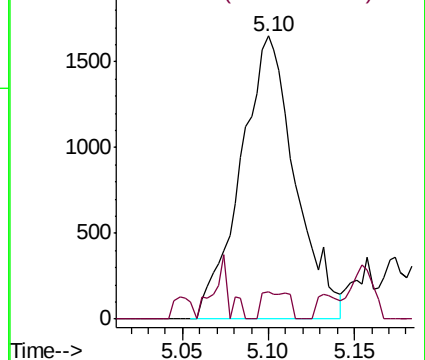
62 100

98 9.7 8.3 12.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#33

Benzene

Concen: 0.223 ug/L

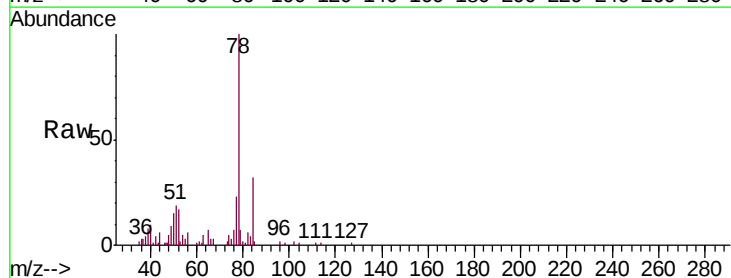
RT: 5.15 min Scan# 1262

Delta R.T. 0.01 min

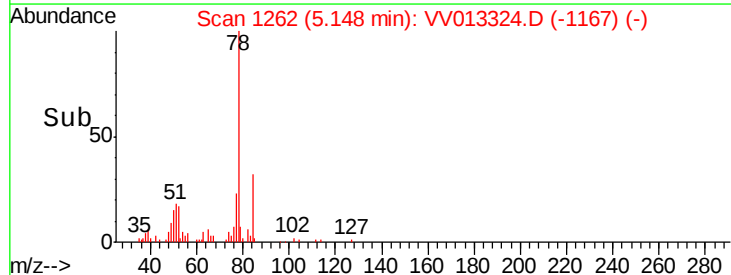
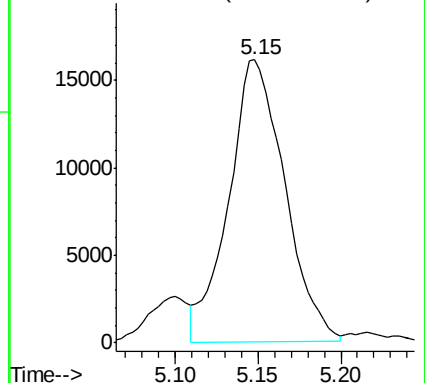
Lab File: VV013324.D

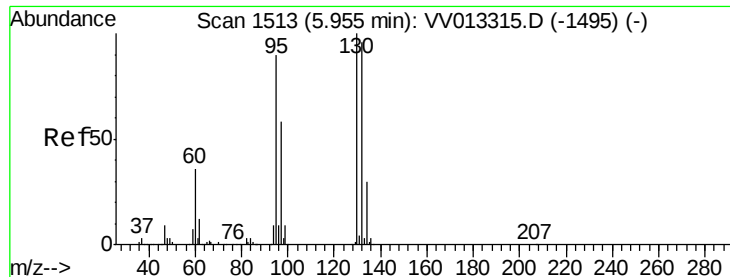
Acq: 24 Oct 2019 21:45

Tgt Ion: 78 Resp: 37862



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.256 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013324.D

Acq: 24 Oct 2019 21:45

Instrument :

MSVOA_V

ClientSampleId :

C0K10DL

Tgt Ion: 95 Resp: 239294

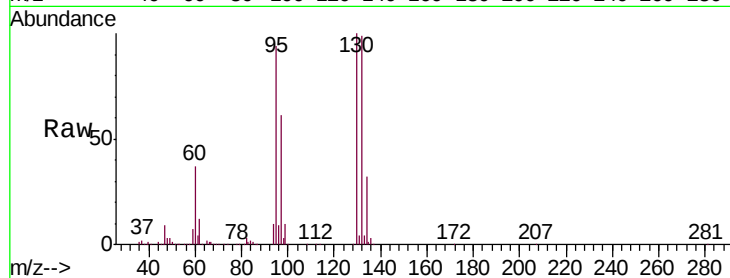
Ion Ratio Lower Upper

95 100

97 64.4 45.2 84.0

132 105.8 70.6 131.2

130 106.5 75.5 140.3

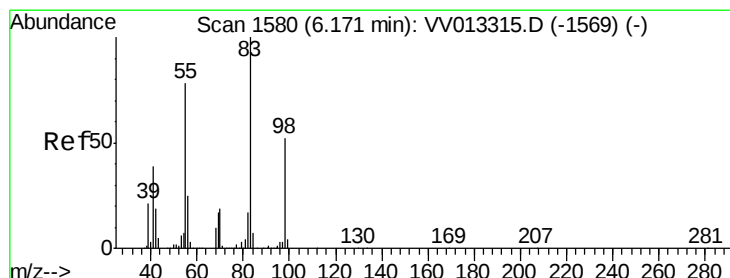
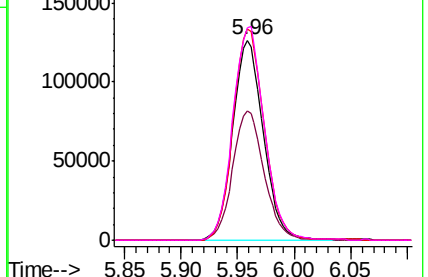
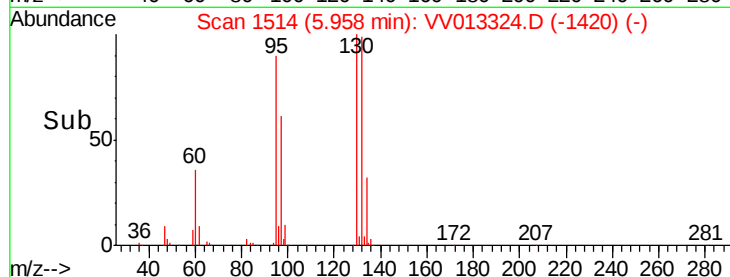


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.748 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV013324.D

Acq: 24 Oct 2019 21:45

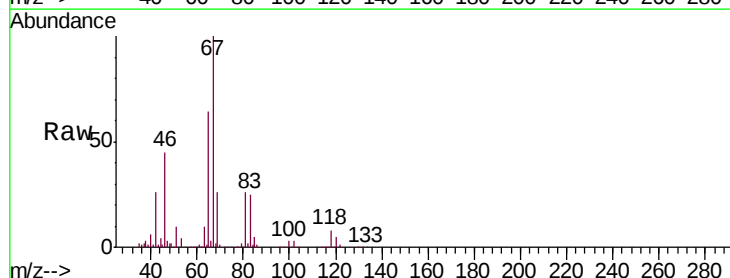
Tgt Ion: 83 Resp: 52396

Ion Ratio Lower Upper

83 100

55 0.3 62.4 93.6#

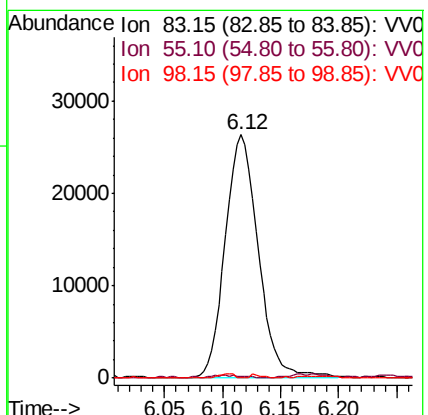
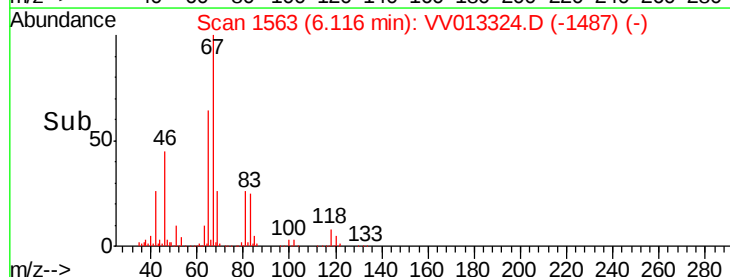
98 0.8 39.2 58.8#

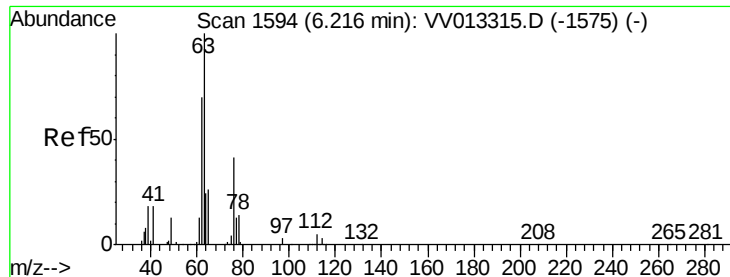


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.528 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013324.D

Acq: 24 Oct 2019 21:45

Instrument :

MSVOA_V

ClientSampleId :

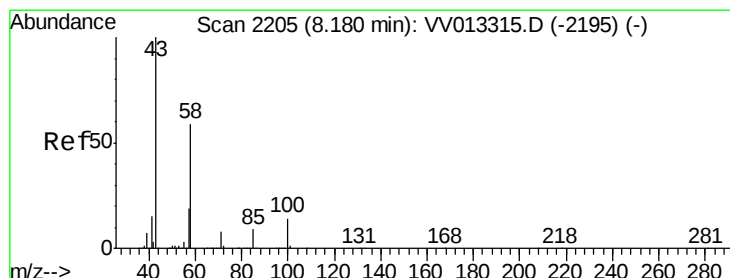
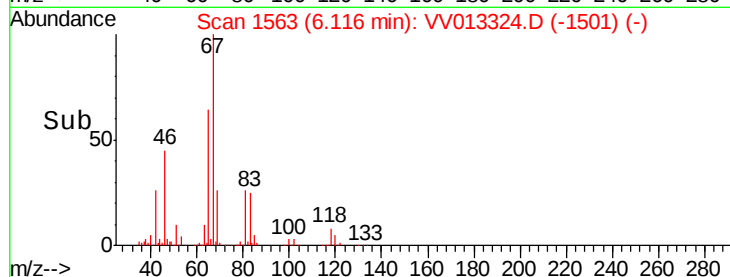
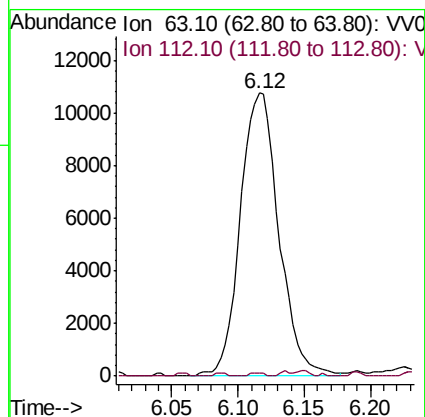
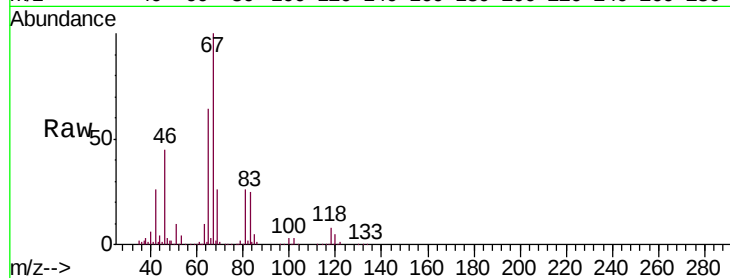
C0K10DL

Tgt Ion: 63 Resp: 21755

Ion Ratio Lower Upper

63 100

112 0.4 4.1 6.1#



#48

2-Hexanone

Concen: 1.038 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VV013324.D

Acq: 24 Oct 2019 21:45

Tgt Ion: 43 Resp: 15618

Ion Ratio Lower Upper

43 100

58 0.0 45.1 67.7#

57 0.0 15.5 23.3#

100 10.6 10.2 15.2

