

Data File : VV013231.D
Acq On : 19 Oct 2019 04:04
Operator : SY/MD
Sample : K5457-15
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0K20

Quant Time: Oct 19 06:41:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 19 06:35:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	397449	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	441653	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	214620	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	212744	5.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.20%
7) Chloroethane-d5	1.58	69	174528	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.20%
11) 1,1-Dichloroethene-d2	2.13	63	245879	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.80%
20) 2-Butanone-d5	3.96	46	551466	66.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.00%#
24) Chloroform-d	4.40	84	410354	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.08	65	207306	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.80%
32) Benzene-d6	5.10	84	827530	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.12	67	260048	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	7.36	98	673617	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	7.66	79	82192	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.14	63	398048	55.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.48%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	192666	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	254535	5.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3881	0.078 ug/L	90
3) Chloromethane	1.25	50	12457	0.261 ug/L	92
9) Trichlorofluoromethane	1.77	101	13324	0.225 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3607	0.108 ug/L #	41
12) 1,1-Dichloroethene	2.13	96	3741	0.117 ug/L #	1
17) Methyl tert-butyl Ether	2.81	73	5622	0.066 ug/L	93
19) 1,1-Dichloroethane	3.23	63	10974	0.145 ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	16027	0.373 ug/L #	90
25) Chloroform	4.43	83	9523	0.119 ug/L	91
34) Trichloroethene	5.96	95	15603	0.338 ug/L	93
35) Methylcyclohexane	6.12	83	62075	0.877 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	27374	0.624 ug/L #	86
44) trans-1,3-Dichloropropene	7.66	75	3902	0.086 ug/L	90
45) 1,1,2-Trichloroethane	8.02	97	28281	0.940 ug/L #	1
47) Tetrachloroethene	8.02	164	3865812	95.851 ug/L	99
48) 2-Hexanone	8.14	43	57858	3.376 ug/L #	85
49) Dibromochloromethane	8.02	129	3299947	91.589 ug/L #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101819\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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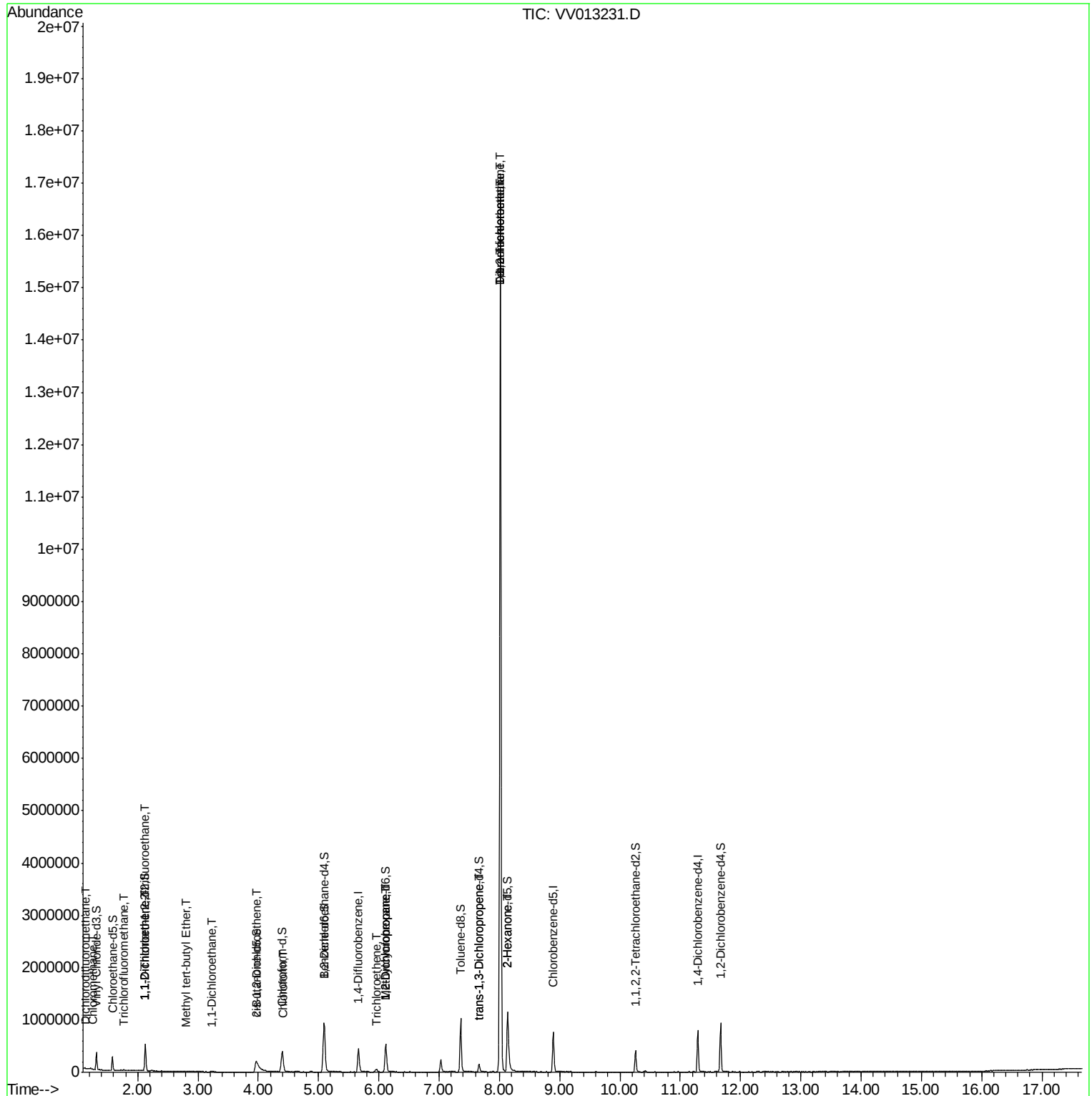
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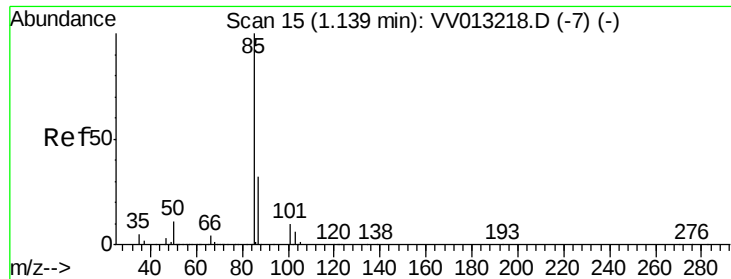
Data File : VV013231.D

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Operator    : SY/MD
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QLast Update : Sat Oct 19 06:35:52 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.078 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013231.D

Acq: 19 Oct 2019 04:04

Instrument :

MSVOA_V

ClientSampleId :

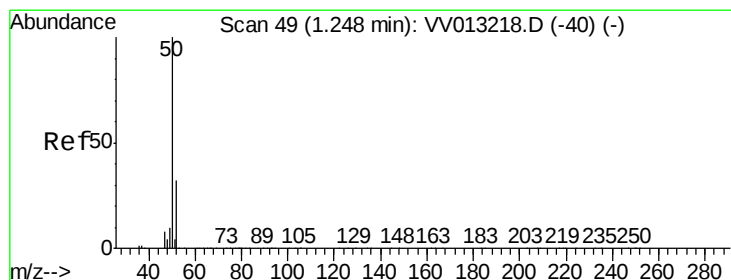
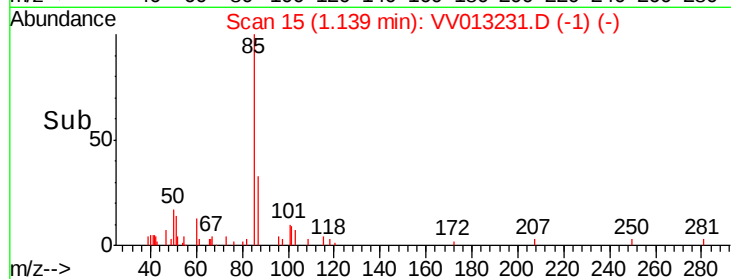
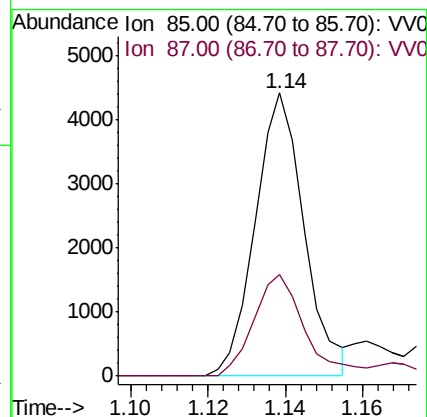
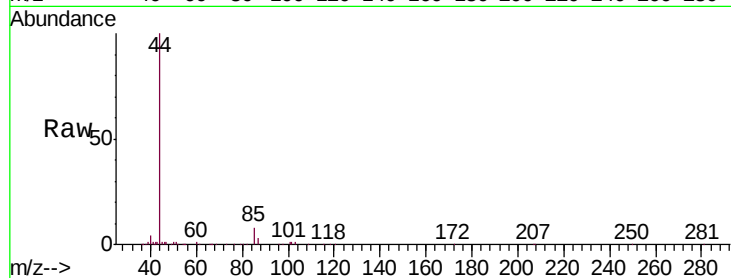
C0K20

Tgt Ion: 85 Resp: 3881

Ion Ratio Lower Upper

85 100

87 37.4 25.6 38.4



#3

Chloromethane

Concen: 0.261 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013231.D

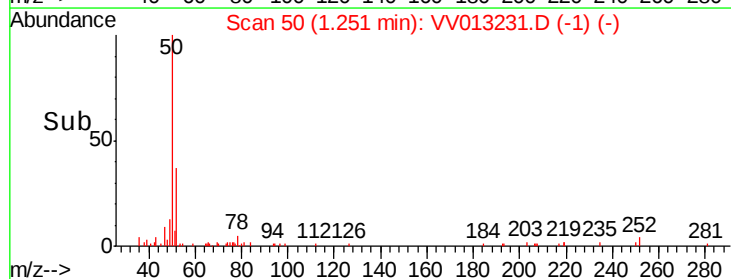
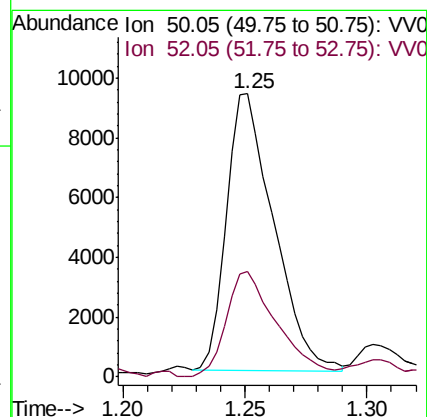
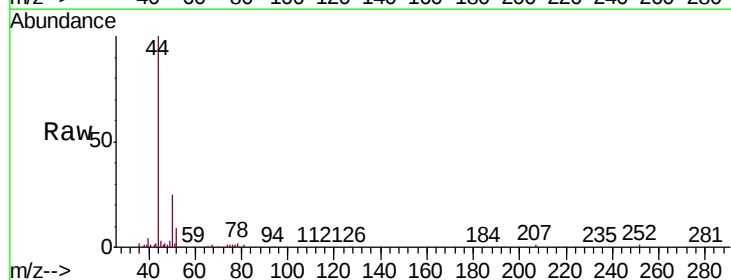
Acq: 19 Oct 2019 04:04

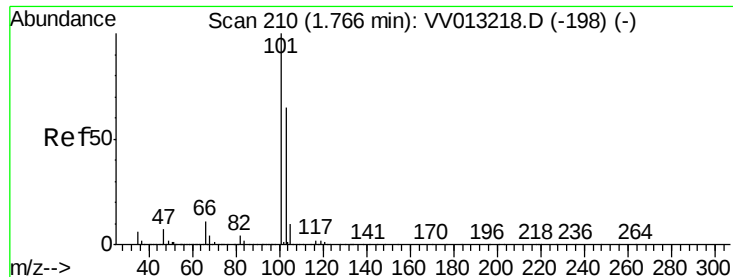
Tgt Ion: 50 Resp: 12457

Ion Ratio Lower Upper

50 100

52 37.4 23.0 42.8





#9

Trichlorofluoromethane

Concen: 0.225 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV013231.D

Acq: 19 Oct 2019 04:04

Instrument :

MSVOA_V

ClientSampled :

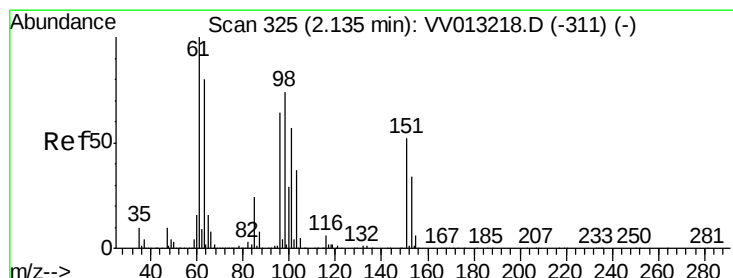
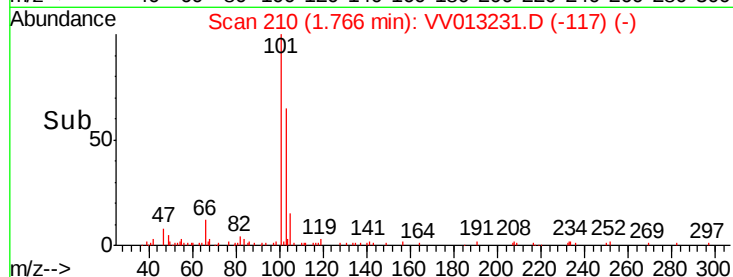
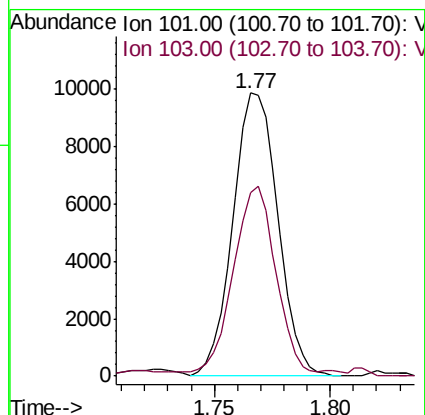
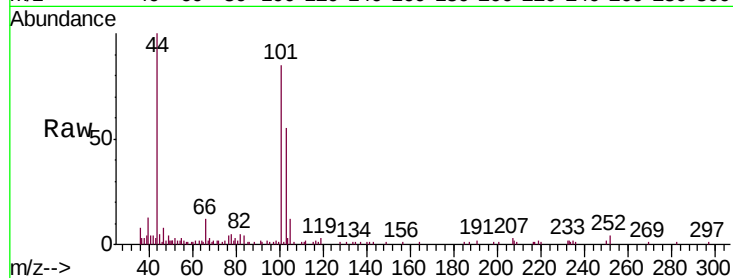
C0K20

Tgt Ion:101 Resp: 13324

Ion Ratio Lower Upper

101 100

103 60.7 51.5 77.3



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.108 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013231.D

Acq: 19 Oct 2019 04:04

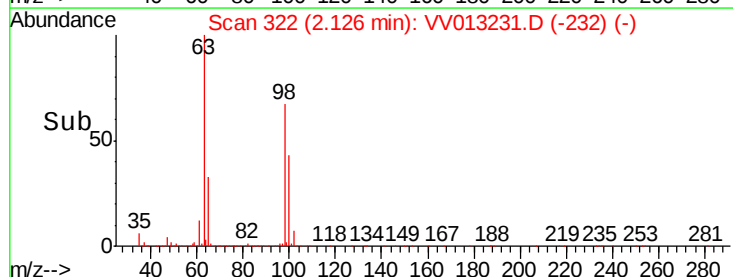
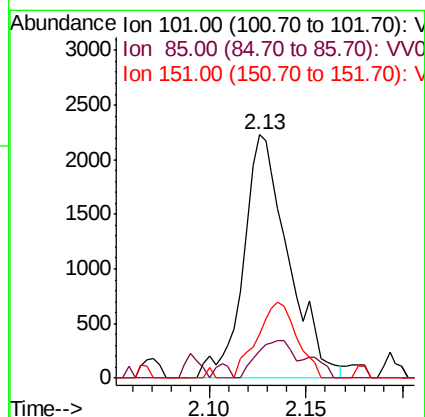
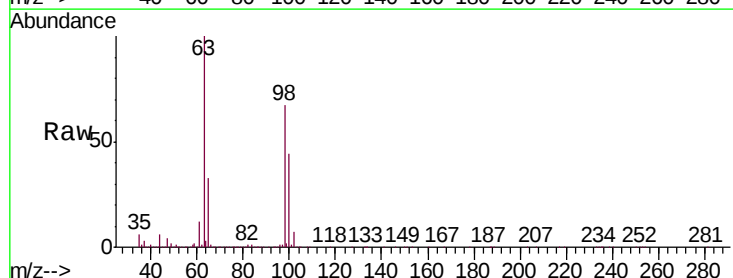
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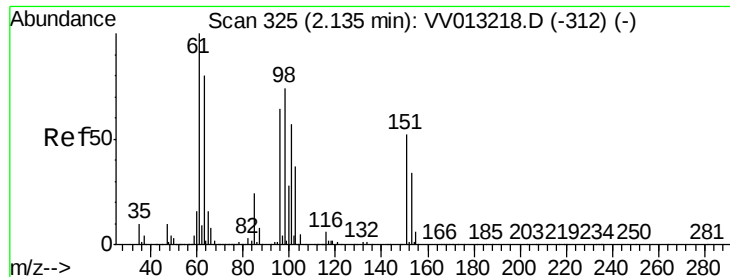
Ion Ratio Lower Upper

101 100

85 13.0 32.4 48.6#

151 27.4 71.9 107.9#





#12

1,1-Dichloroethene

Concen: 0.117 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013231.D

Acq: 19 Oct 2019 04:04

Instrument :

MSVOA_V

ClientSampleId :

C0K20

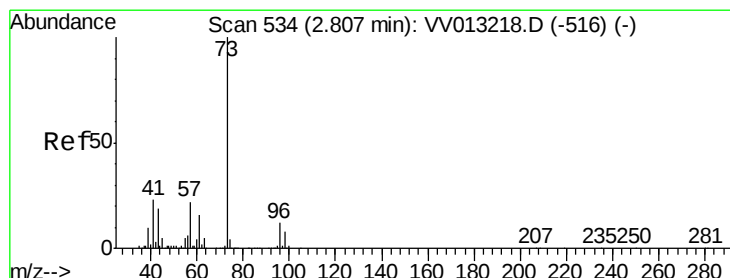
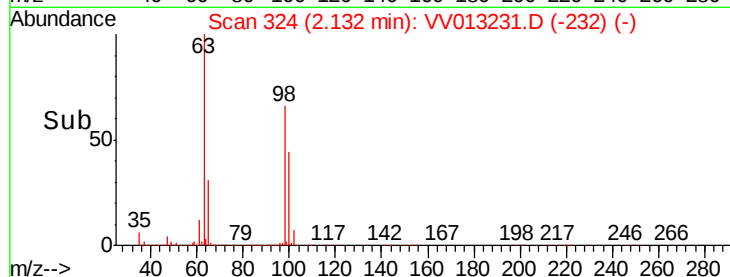
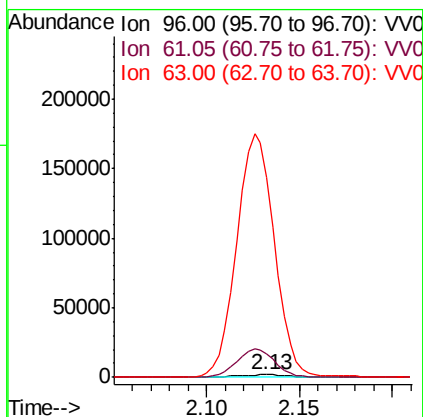
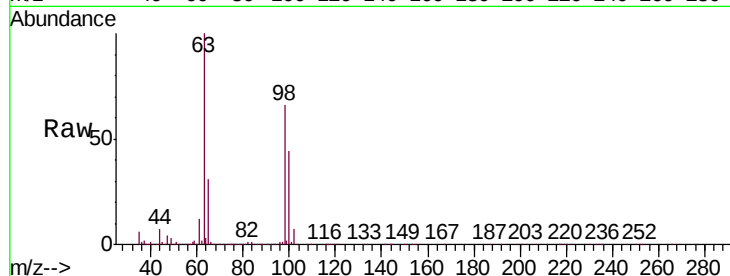
Tgt Ion: 96 Resp: 3741

Ion Ratio Lower Upper

96 100

61 842.0 109.8 204.0#

63 7164.0 72.6 134.8#



#17

Methyl tert-butyl Ether

Concen: 0.066 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.01 min

Lab File: VV013231.D

Acq: 19 Oct 2019 04:04

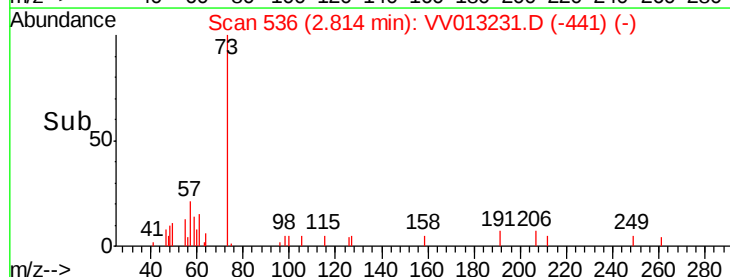
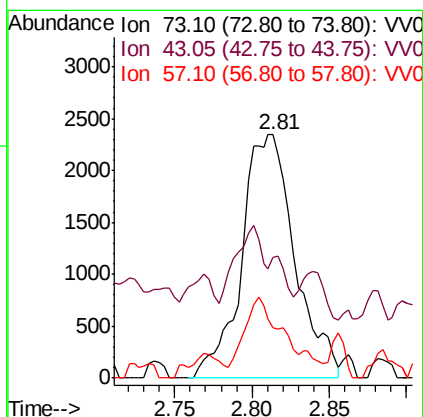
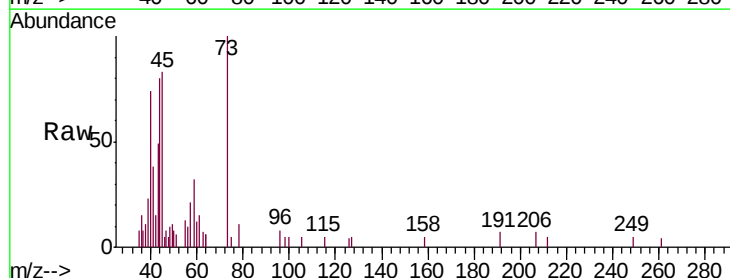
Tgt Ion: 73 Resp: 5622

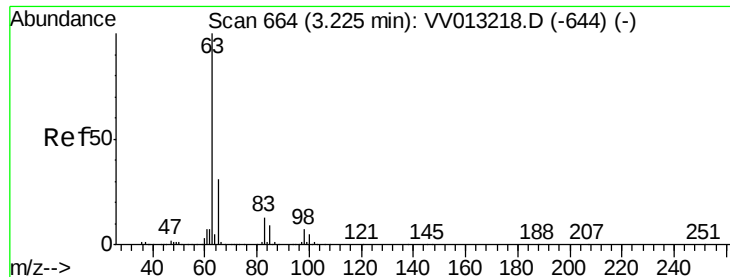
Ion Ratio Lower Upper

73 100

43 15.7 14.6 22.0

57 26.2 17.8 26.8

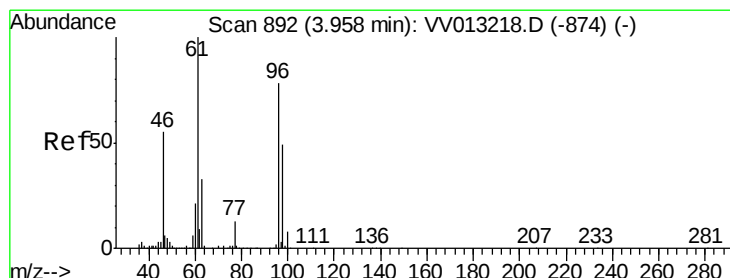
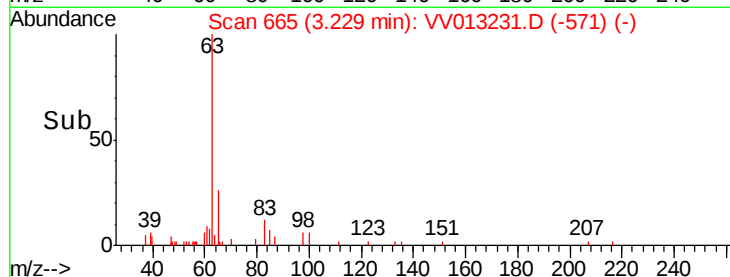
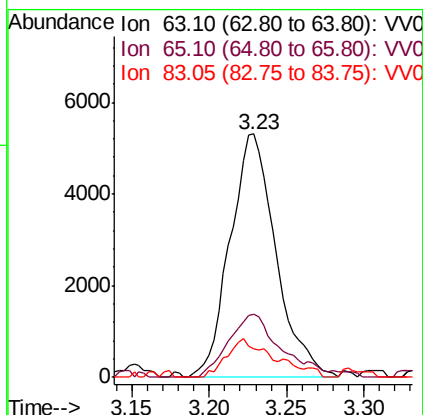
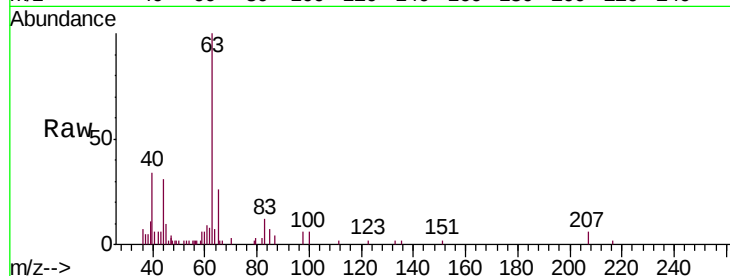




#19
 1,1-Dichloroethane
 Concen: 0.145 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013231.D
 Acq: 19 Oct 2019 04:04

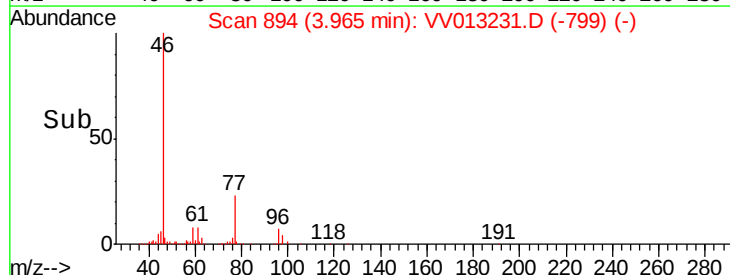
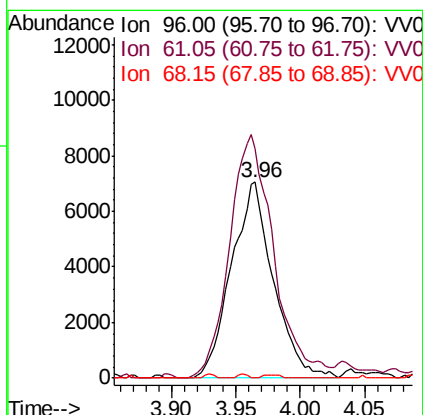
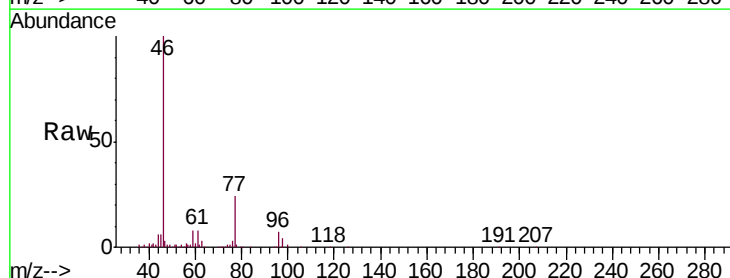
Instrument :
 MSVOA_V
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 C0K20

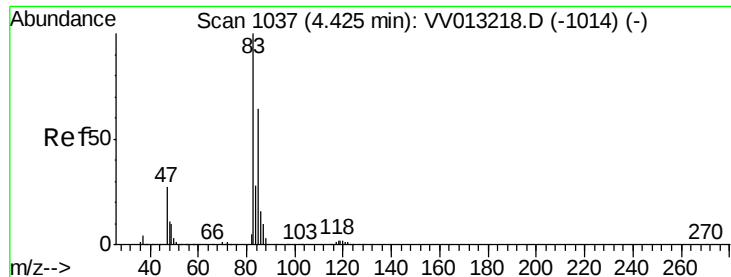
Tgt Ion: 63 Resp: 10974
 Ion Ratio Lower Upper
 63 100
 65 26.1 22.5 41.7
 83 11.7 9.5 17.7



#22
 cis-1,2-Dichloroethene
 Concen: 0.373 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV013231.D
 Acq: 19 Oct 2019 04:04

Tgt Ion: 96 Resp: 16027
 Ion Ratio Lower Upper
 96 100
 61 117.4 90.6 168.2
 68 0.0 0.1 0.1#

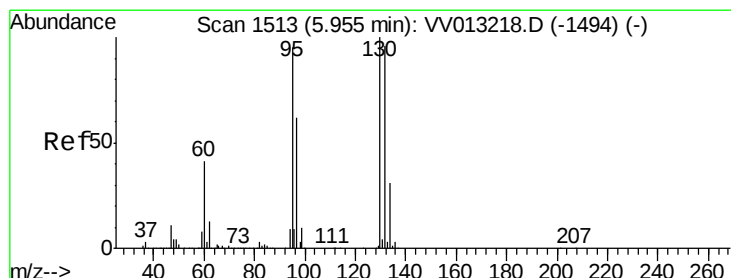
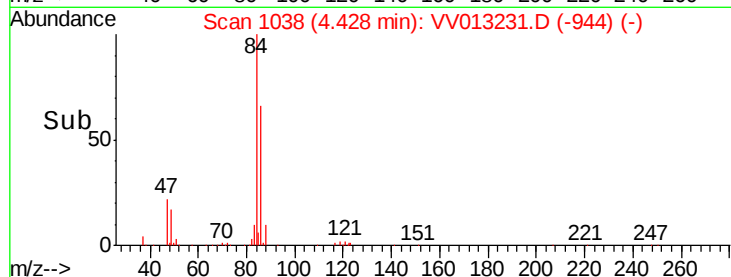
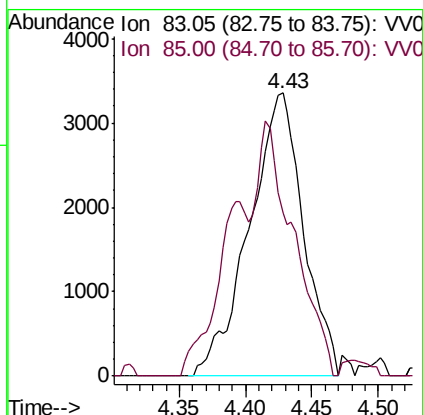
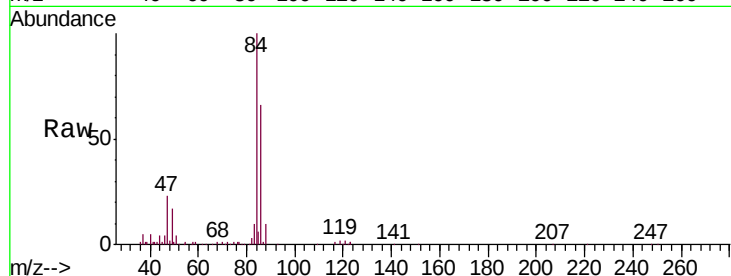




#25
Chloroform
Concen: 0.119 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV013231.D
Acq: 19 Oct 2019 04:04

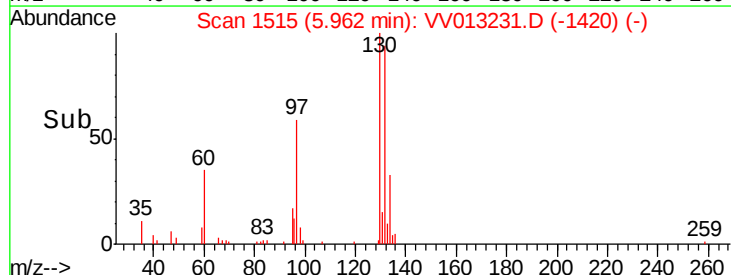
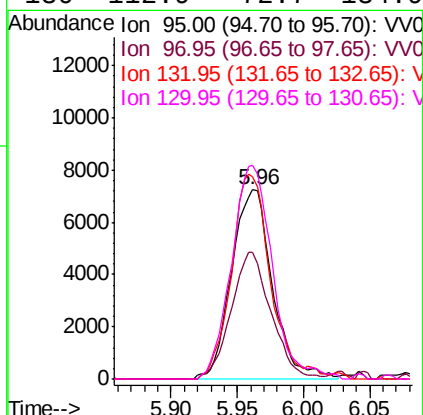
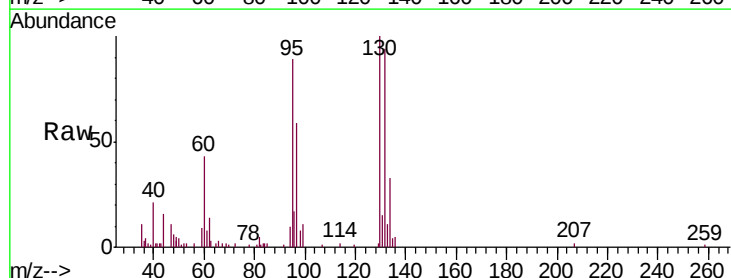
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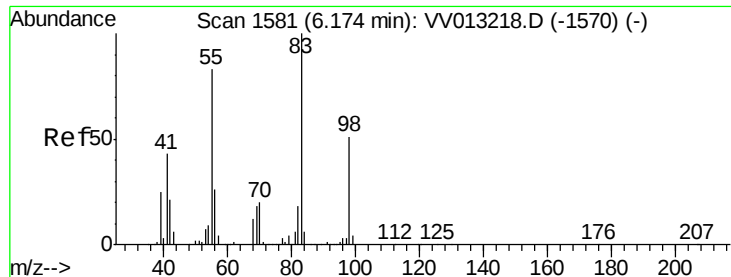
Tgt Ion: 83 Resp: 9523
Ion Ratio Lower Upper
83 100
85 57.6 45.5 84.5



#34
Trichloroethene
Concen: 0.338 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.01 min
Lab File: VV013231.D
Acq: 19 Oct 2019 04:04

Tgt Ion: 95 Resp: 15603
Ion Ratio Lower Upper
95 100
97 66.8 44.7 82.9
132 106.7 68.9 127.9
130 112.9 72.7 134.9

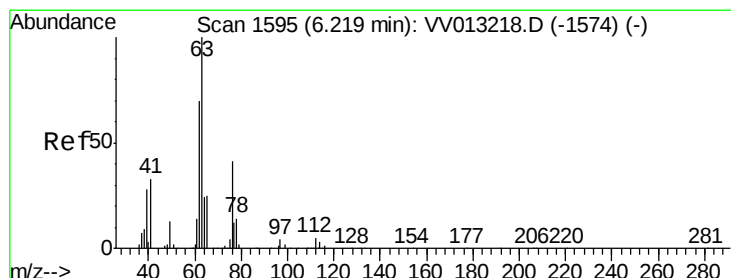
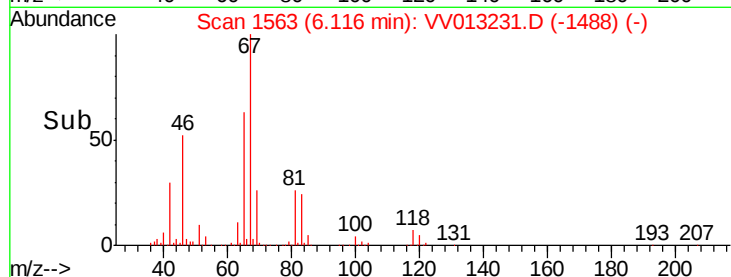
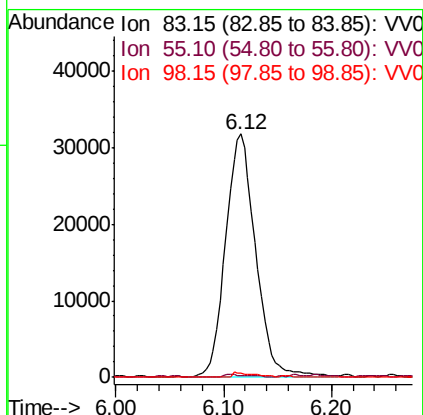
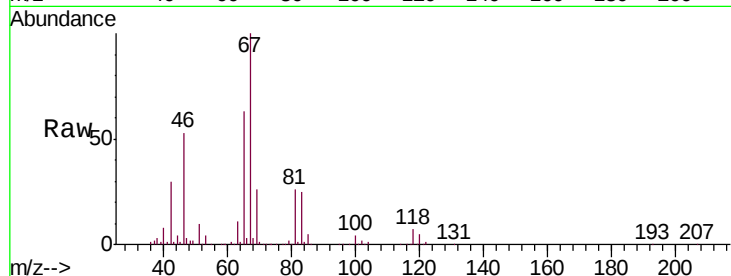




#35
Methylcyclohexane
Concen: 0.877 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV013231.D
Acq: 19 Oct 2019 04:04

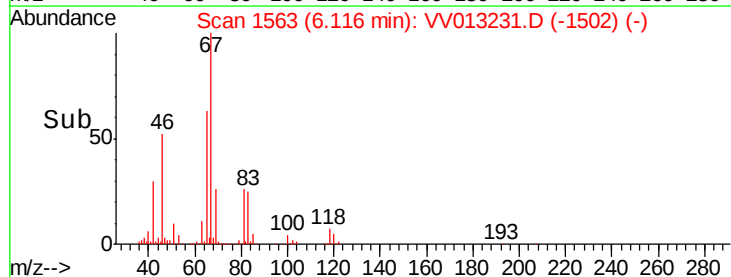
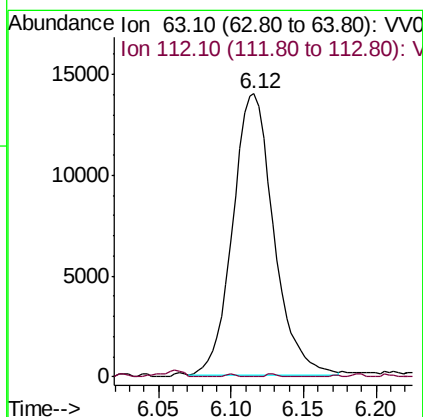
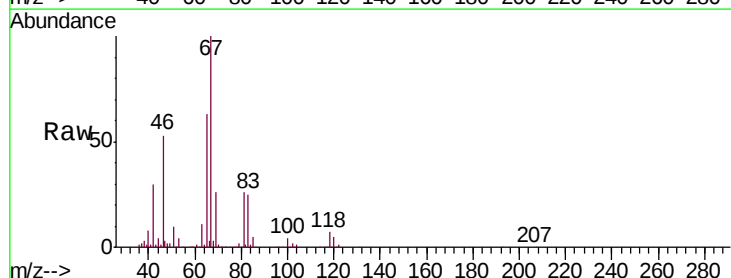
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MSVOA_V
ClientSampleId :
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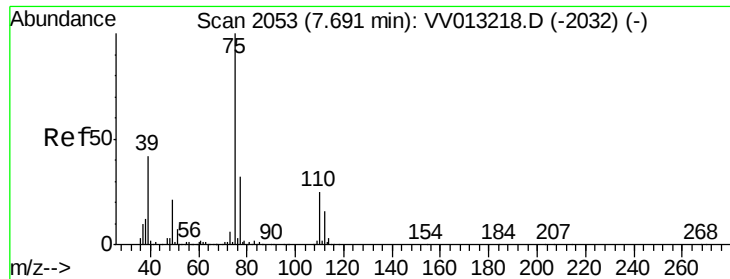
Tgt Ion: 83 Resp: 62075
Ion Ratio Lower Upper
83 100
55 1.0 64.0 96.0#
98 0.8 38.6 57.8#



#37
1,2-Dichloropropane
Concen: 0.624 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV013231.D
Acq: 19 Oct 2019 04:04

Tgt Ion: 63 Resp: 27374
Ion Ratio Lower Upper
63 100
112 0.3 3.8 5.8#





#44

trans-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013231.D

Acq: 19 Oct 2019 04:04

Instrument :

MSVOA_V

ClientSampleId :

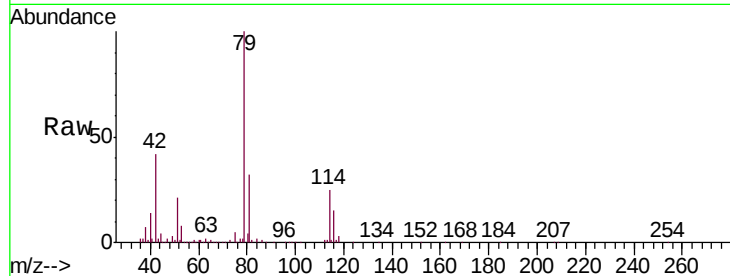
C0K20

Tgt Ion: 75 Resp: 3902

Ion Ratio Lower Upper

75 100

77 36.6 21.8 40.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

2500

2000

1500

1000

500

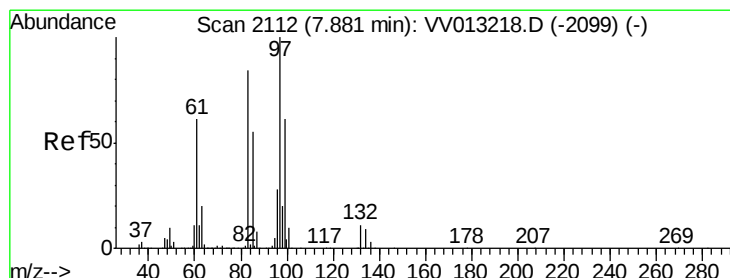
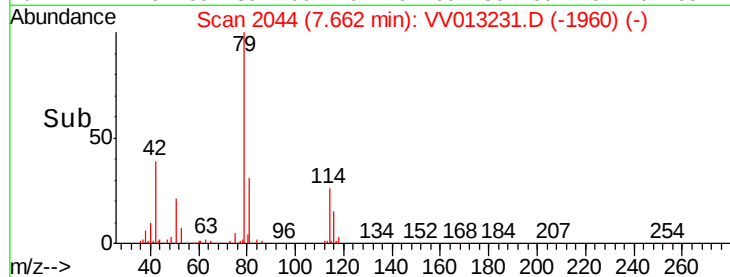
0

7.60

7.65

7.70

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.940 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.14 min

Lab File: VV013231.D

Acq: 19 Oct 2019 04:04

Tgt Ion: 97 Resp: 28281

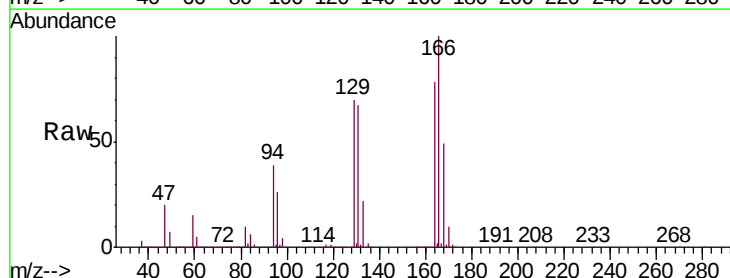
Ion Ratio Lower Upper

97 100

99 17.4 43.8 81.4#

83 290.6 59.5 110.5#

85 37.1 39.5 73.4#



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

60000

40000

20000

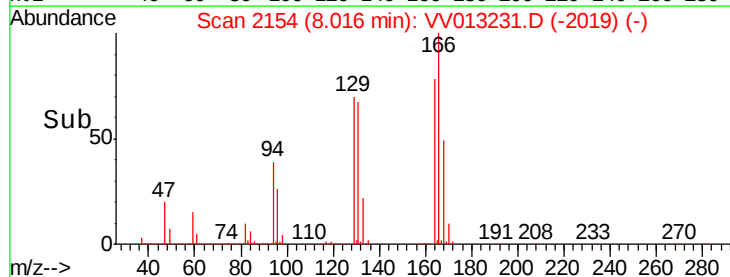
0

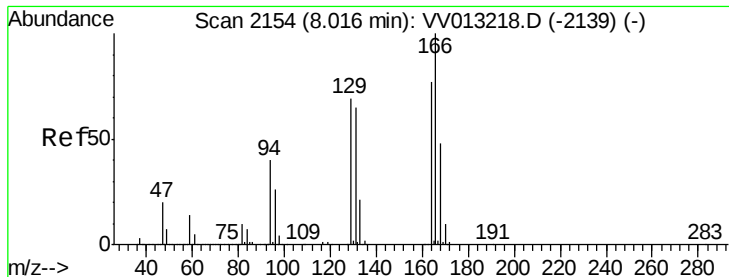
7.95

8.00

8.05

Time-->

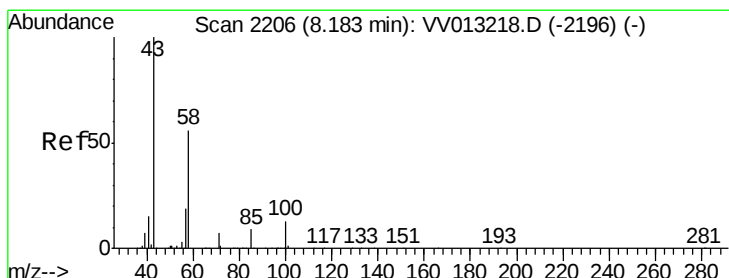
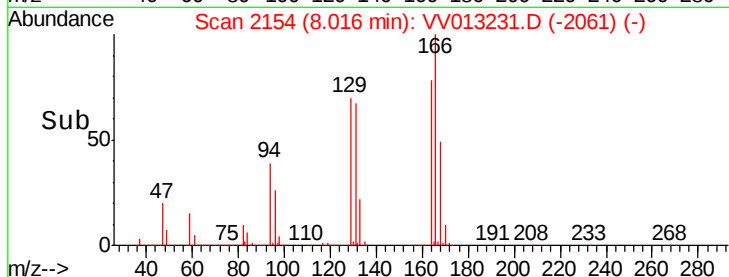
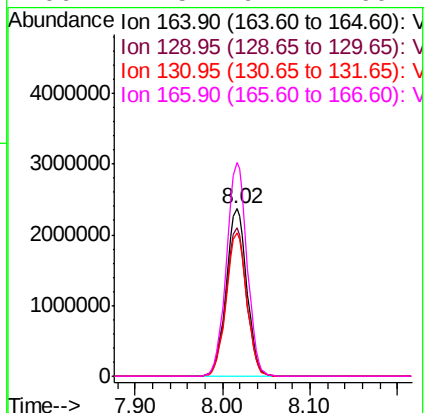
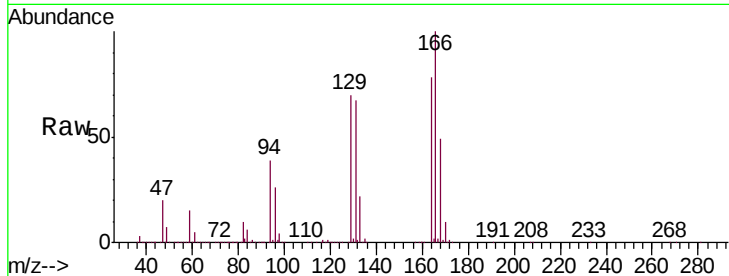




#47
Tetrachloroethene
Concen: 95.851 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013231.D
Acq: 19 Oct 2019 04:04

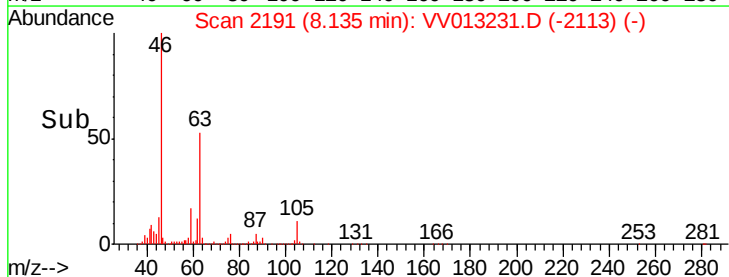
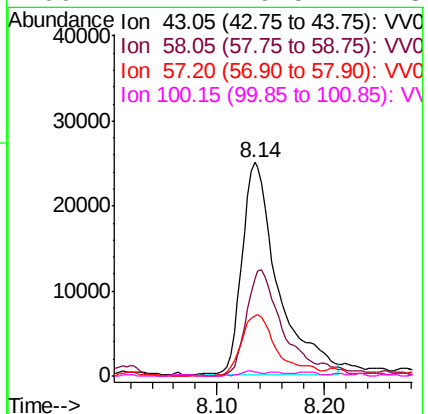
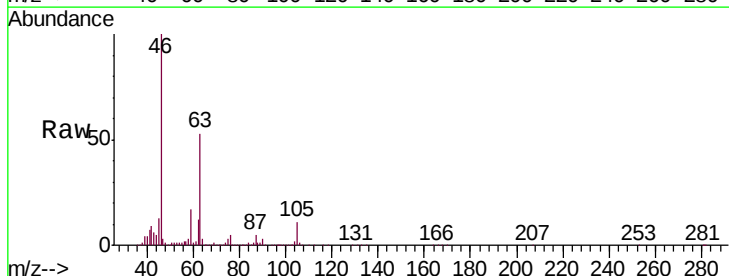
Instrument :
MSVOA_V
ClientSampleId :
C0K20

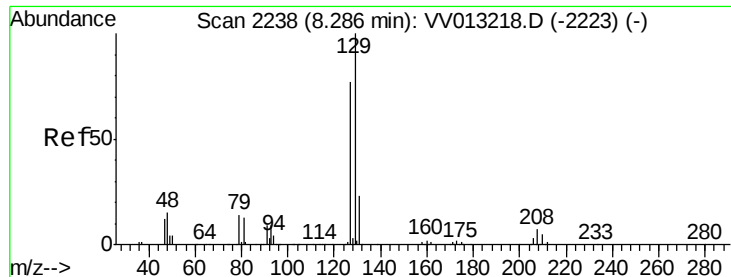
Tgt Ion:164 Resp: 3865812
Ion Ratio Lower Upper
164 100
129 88.7 62.2 115.4
131 85.6 59.9 111.3
166 127.5 91.1 169.1



#48
2-Hexanone
Concen: 3.376 ug/L
RT: 8.14 min Scan# 2191
Delta R.T. -0.05 min
Lab File: VV013231.D
Acq: 19 Oct 2019 04:04

Tgt Ion: 43 Resp: 57858
Ion Ratio Lower Upper
43 100
58 49.0 44.2 66.2
57 29.1 14.5 21.7#
100 1.2 9.5 14.3#





#49

Dibromochloromethane

Concen: 91.589 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV013231.D

Acq: 19 Oct 2019 04:04

Instrument :

MSVOA_V

ClientSampleId :

C0K20

Tgt Ion:129 Resp: 3299947

Ion Ratio Lower Upper

129 100

127 0.0 53.2 98.8#

