

Data File : VV013345.D
Acq On : 25 Oct 2019 14:58
Operator : SY/MD
Sample : K5457-11
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0K16

Quant Time: Oct 26 01:01:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 26 00:57:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	454206	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	490640	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	254216	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	192642	5.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.00%
7) Chloroethane-d5	1.58	69	158503	5.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.60%
11) 1,1-Dichloroethene-d2	2.13	63	264639	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.80%
20) 2-Butanone-d5	3.96	46	398147	61.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.82%
24) Chloroform-d	4.40	84	372692	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.08	65	180676	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.10	84	809611	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.12	67	237099	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.36	98	701296	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.66	79	82273	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.14	63	258790	40.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.30%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	151608	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	272308	5.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.20%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	3431	0.079 ug/L	83
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3033	0.081 ug/L #	28
12) 1,1-Dichloroethene	2.14	96	68435	1.916 ug/L #	53
19) 1,1-Dichloroethane	3.23	63	11469	0.168 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	22035	0.489 ug/L #	88
25) Chloroform	4.43	83	69402	0.778 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	10604	0.146 ug/L	91
31) Carbon tetrachloride	4.88	117	16235	0.250 ug/L	94
34) Trichloroethene	5.96	95	192907	3.837 ug/L	95
35) Methylcyclohexane	6.12	83	58587	0.757 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	25174	0.553 ug/L #	86
38) Bromodichloromethane	6.56	83	3525	0.060 ug/L #	92
44) trans-1,3-Dichloropropene	7.67	75	4037	0.083 ug/L	99
47) Tetrachloroethene	8.02	164	150882	3.305 ug/L	98
48) 2-Hexanone	8.19	43	21488	1.294 ug/L #	83
49) Dibromochloromethane	8.02	129	122508	3.062 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 : Sat Oct 26 00:57:59 2019
Response via : Initial Calibration

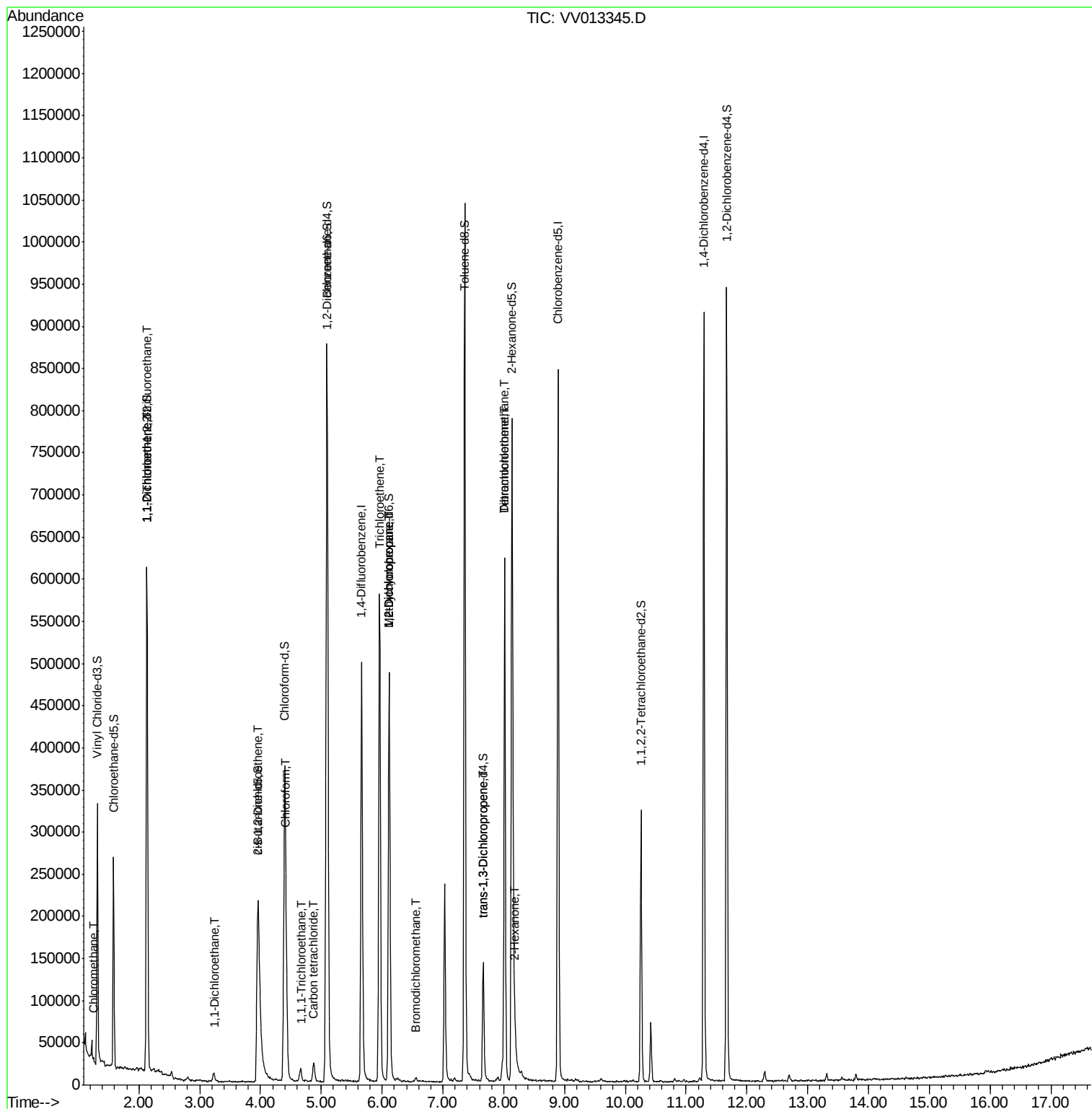
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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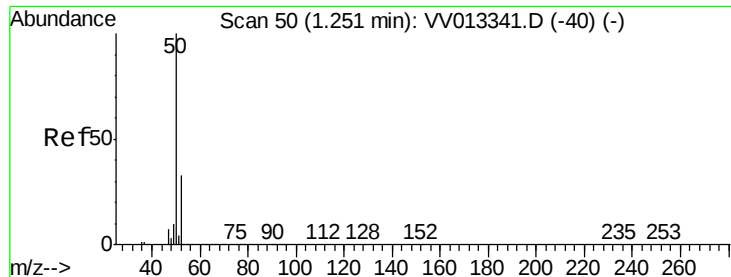
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.079 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013345.D

Acq: 25 Oct 2019 14:58

Instrument :

MSVOA_V

ClientSampleId :

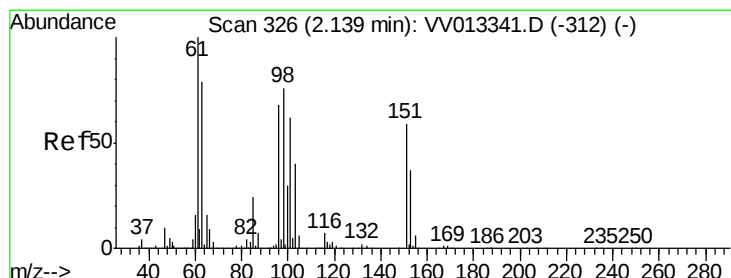
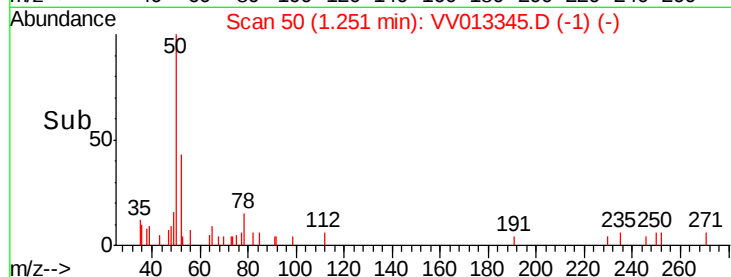
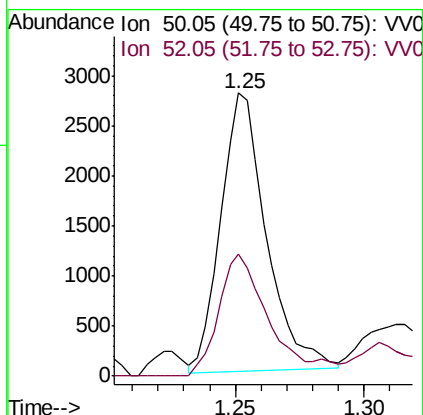
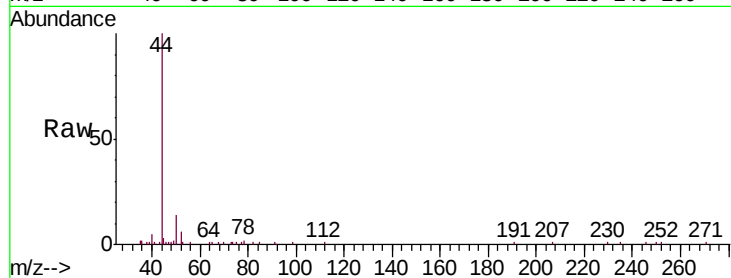
C0K16

Tgt Ion: 50 Resp: 3431

Ion Ratio Lower Upper

50 100

52 43.2 23.3 43.3



#10

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

Concen: 0.081 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013345.D

Acq: 25 Oct 2019 14:58

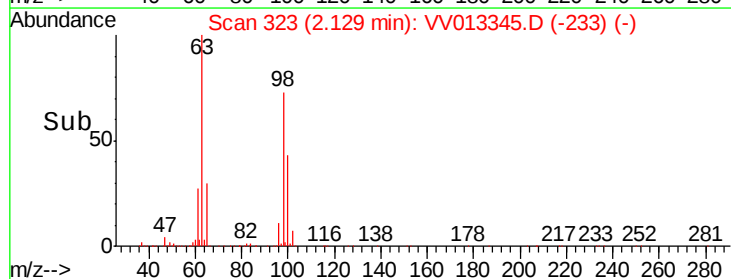
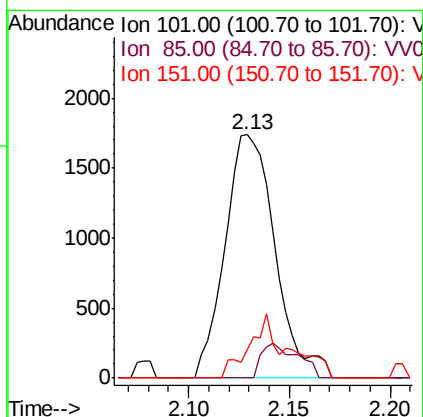
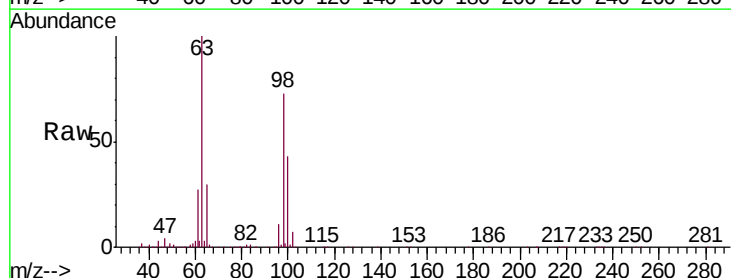
Tgt Ion: 101 Resp: 3033

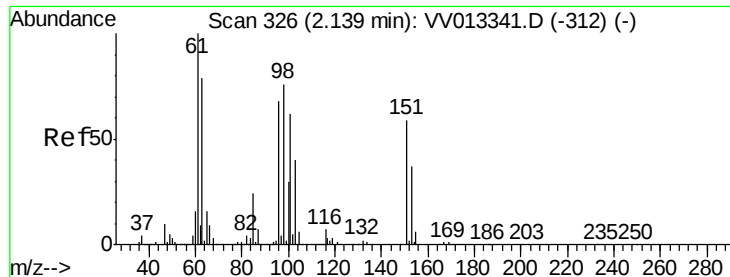
Ion Ratio Lower Upper

101 100

85 10.3 31.8 47.8#

151 12.9 72.9 109.3#

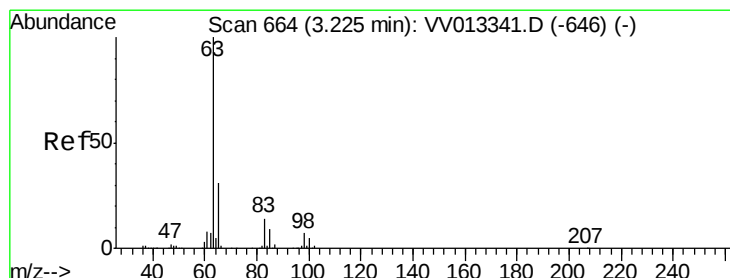
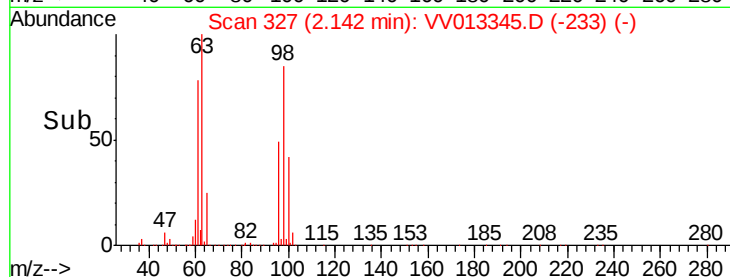
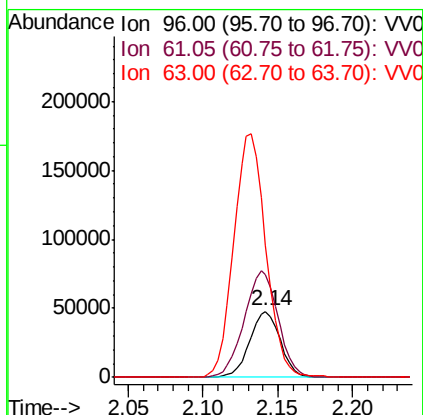
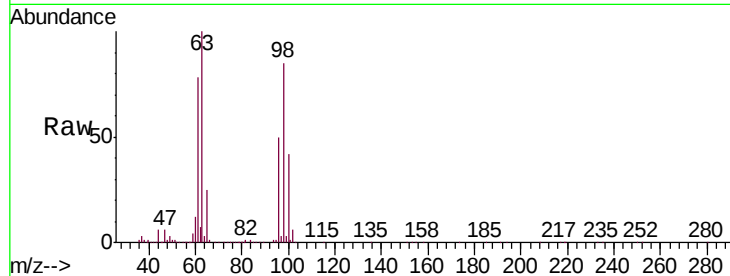




#12
 1,1-Dichloroethene
 Concen: 1.916 ug/L
 RT: 2.14 min Scan# 327
 Delta R.T. 0.00 min
 Lab File: VV013345.D
 Acq: 25 Oct 2019 14:58

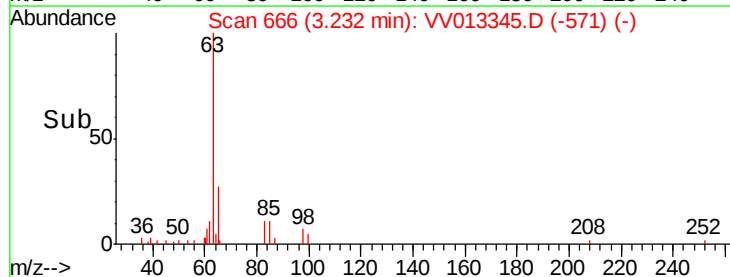
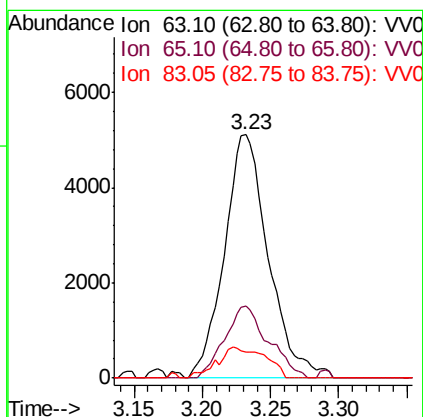
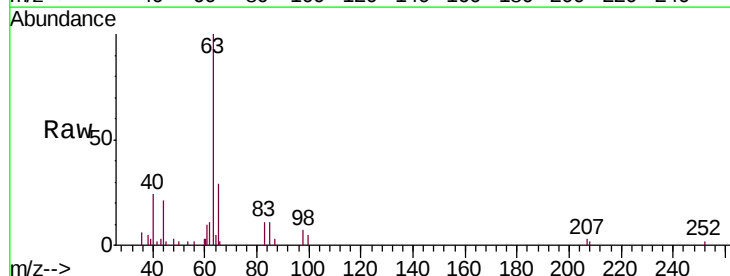
Instrument :
 MSVOA_V
 ClientSampleId :
 C0K16

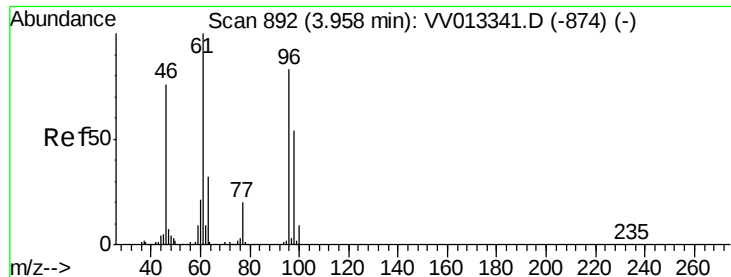
Tgt Ion: 96 Resp: 68435
 Ion Ratio Lower Upper
 96 100
 61 157.0 104.0 193.1
 63 201.5 67.1 124.5#



#19
 1,1-Dichloroethane
 Concen: 0.168 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VV013345.D
 Acq: 25 Oct 2019 14:58

Tgt Ion: 63 Resp: 11469
 Ion Ratio Lower Upper
 63 100
 65 31.5 23.0 42.8
 83 10.7 10.2 19.0





#22

cis-1,2-Dichloroethene

Concen: 0.489 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.01 min

Lab File: VV013345.D

Acq: 25 Oct 2019 14:58

Instrument :

MSVOA_V

ClientSampleId :

C0K16

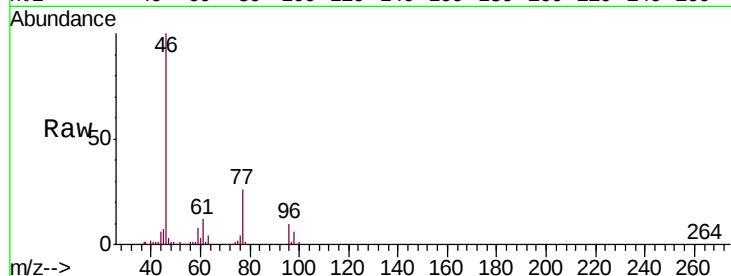
Tgt Ion: 96 Resp: 22035

Ion Ratio Lower Upper

96 100

61 123.4 77.3 143.7

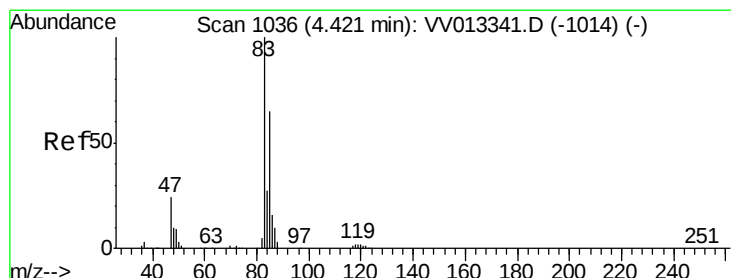
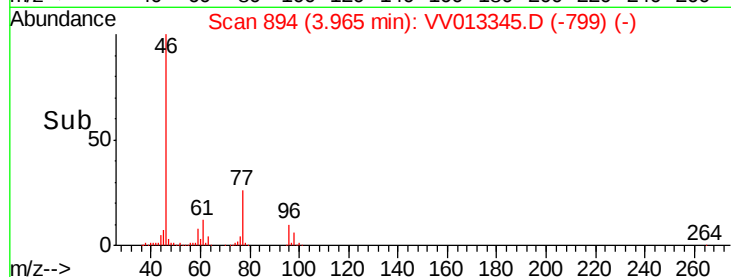
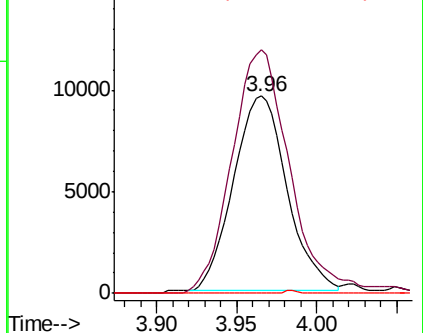
68 0.0 0.1 0.1#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0



#25

Chloroform

Concen: 0.778 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VV013345.D

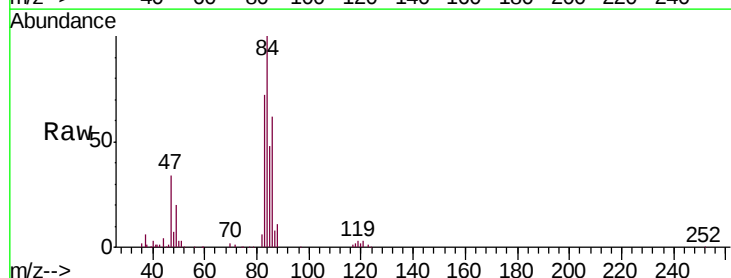
Acq: 25 Oct 2019 14:58

Tgt Ion: 83 Resp: 69402

Ion Ratio Lower Upper

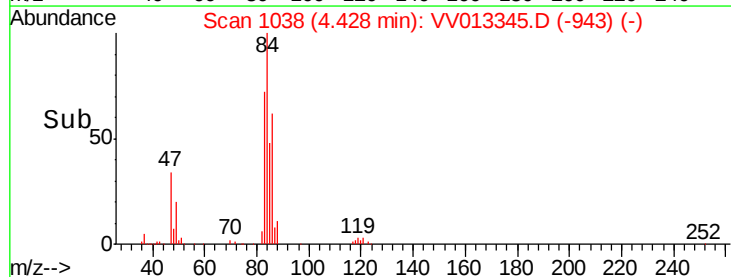
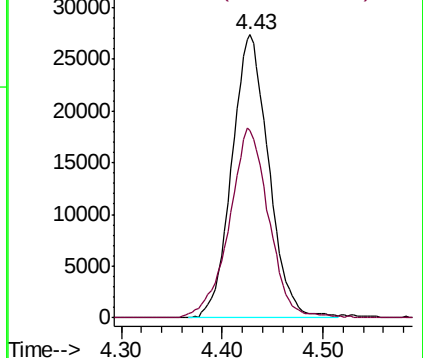
83 100

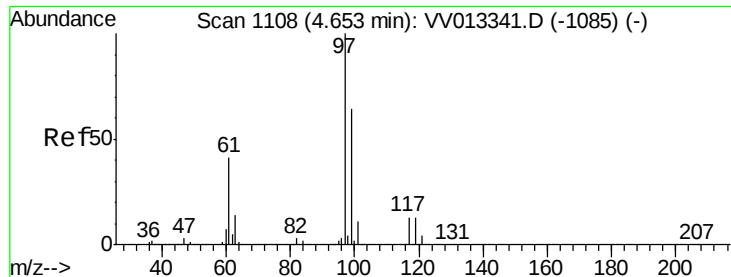
85 66.3 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

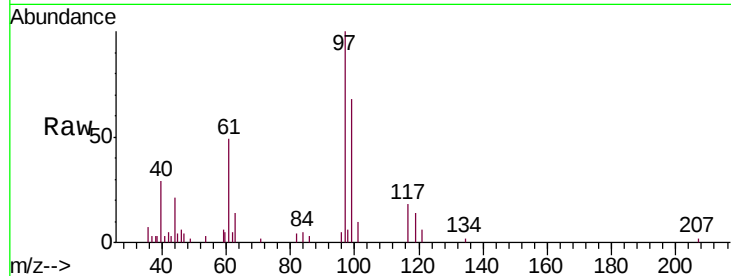




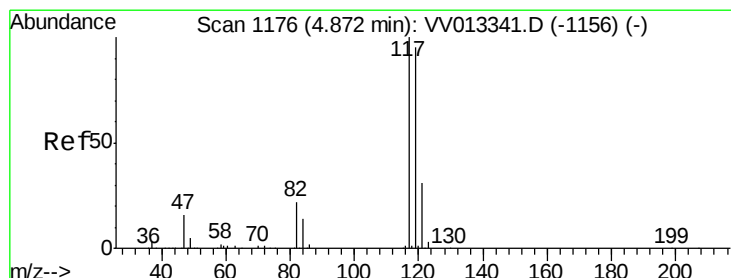
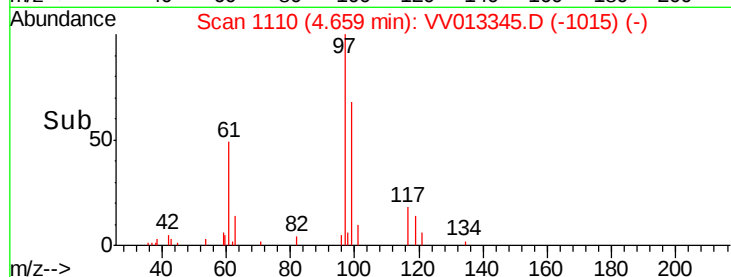
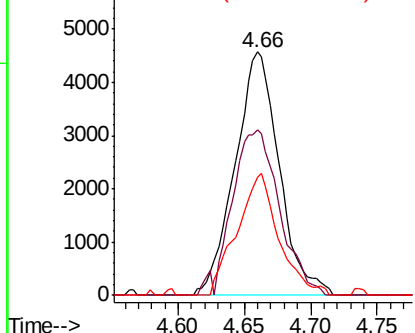
#29
 1,1,1-Trichloroethane
 Concen: 0.146 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.01 min
 Lab File: VV013345.D
 Acq: 25 Oct 2019 14:58

Instrument :
 MSVOA_V
 ClientSampleId :
 C0K16

Tgt Ion: 97 Resp: 10604
 Ion Ratio Lower Upper
 97 100
 99 73.1 51.7 77.5
 61 47.3 34.3 51.5

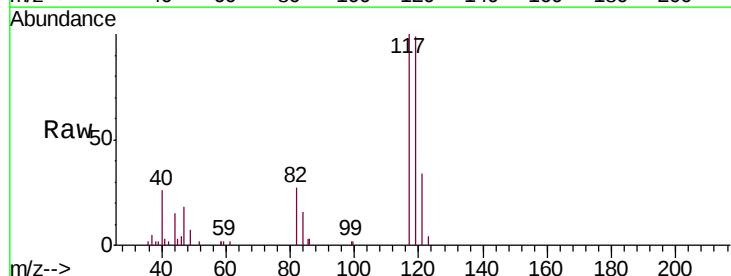


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

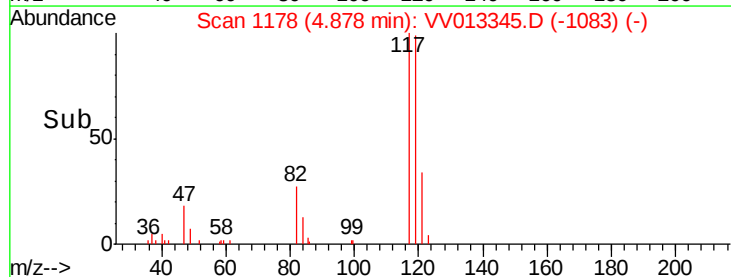
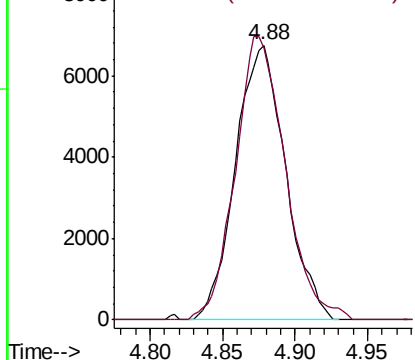


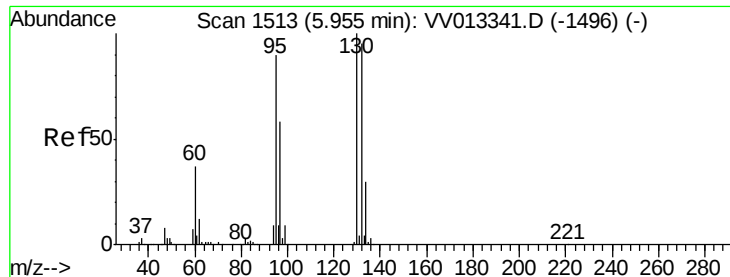
#31
 Carbon tetrachloride
 Concen: 0.250 ug/L
 RT: 4.88 min Scan# 1178
 Delta R.T. 0.01 min
 Lab File: VV013345.D
 Acq: 25 Oct 2019 14:58

Tgt Ion: 117 Resp: 16235
 Ion Ratio Lower Upper
 117 100
 119 102.6 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V





#34

Trichloroethene

Concen: 3.837 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013345.D

Acq: 25 Oct 2019 14:58

Instrument :

MSVOA_V

ClientSampleId :

C0K16

Tgt Ion: 95 Resp: 192907

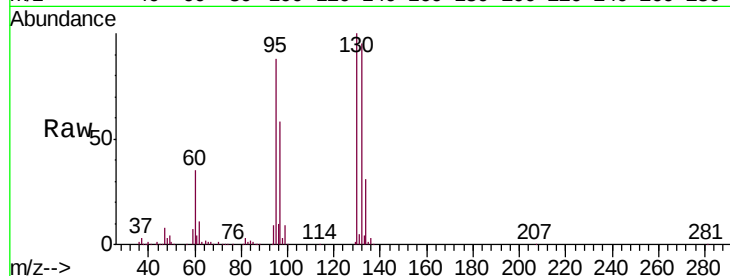
Ion Ratio Lower Upper

95 100

97 65.8 45.2 84.0

132 107.5 70.6 131.2

130 113.7 75.5 140.3

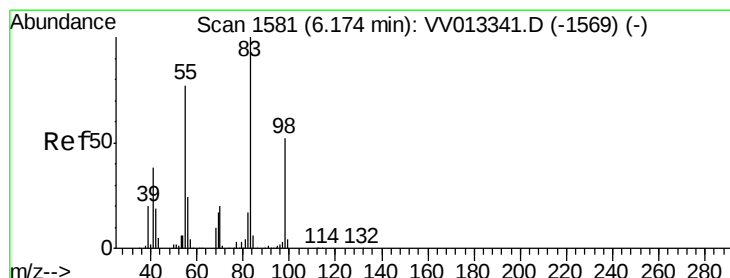
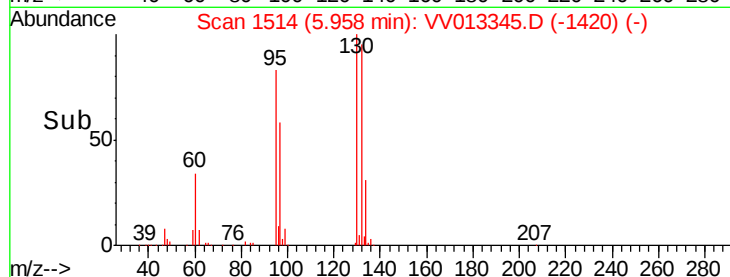
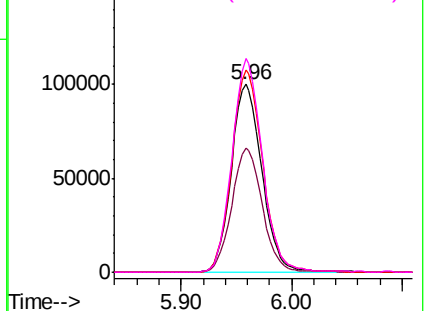


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.757 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV013345.D

Acq: 25 Oct 2019 14:58

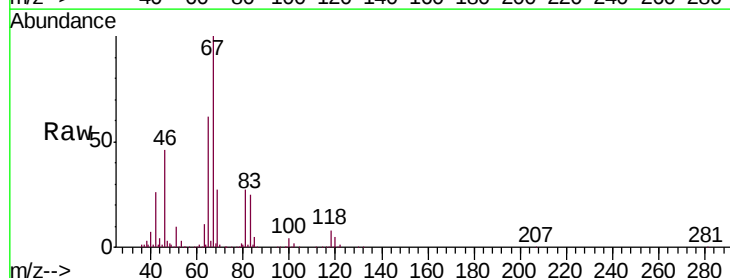
Tgt Ion: 83 Resp: 58587

Ion Ratio Lower Upper

83 100

55 0.8 62.4 93.6#

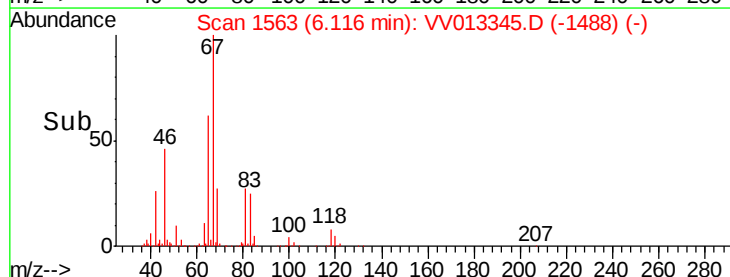
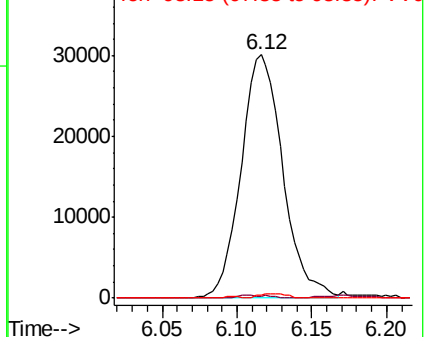
98 0.0 39.2 58.8#

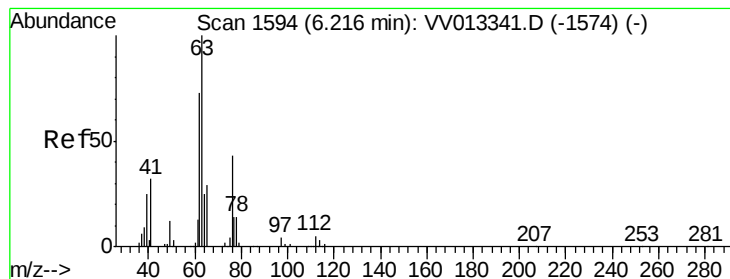


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.553 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013345.D

Acq: 25 Oct 2019 14:58

Instrument :

MSVOA_V

ClientSampled :

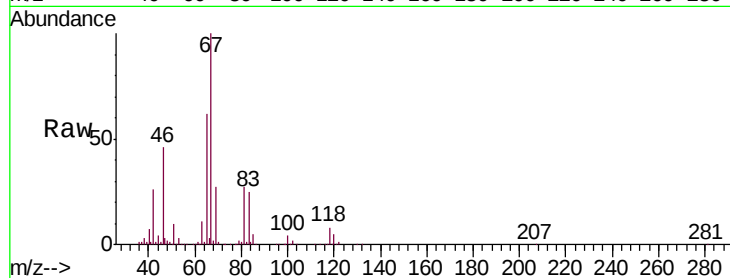
C0K16

Tgt Ion: 63 Resp: 25174

Ion Ratio Lower Upper

63 100

112 0.5 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V

15000

6.12

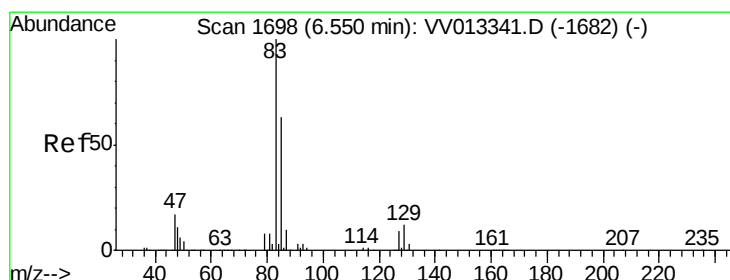
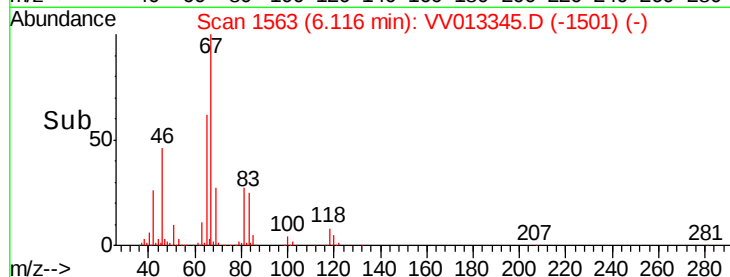
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5000

0

Time-->

6.05 6.10 6.15 6.20



#38

Bromodichloromethane

Concen: 0.060 ug/L

RT: 6.56 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VV013345.D

Acq: 25 Oct 2019 14:58

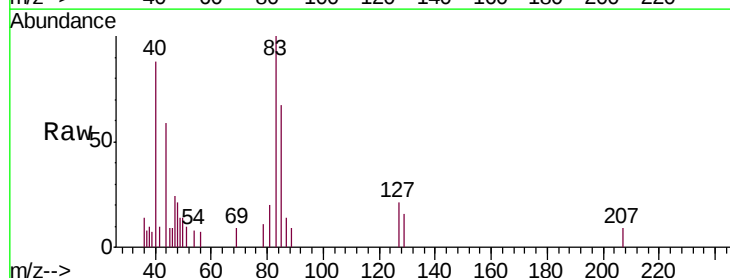
Tgt Ion: 83 Resp: 3525

Ion Ratio Lower Upper

83 100

85 67.0 44.4 82.5

127 20.5 6.6 10.0#



Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): V

2000

1500

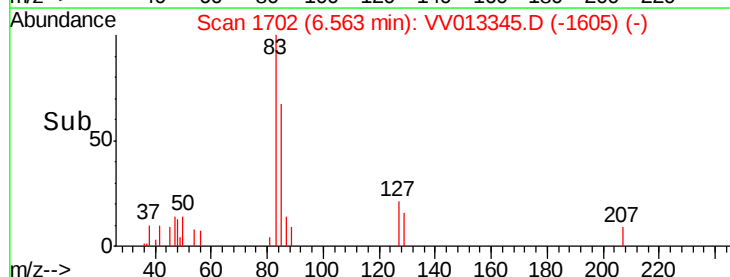
1000

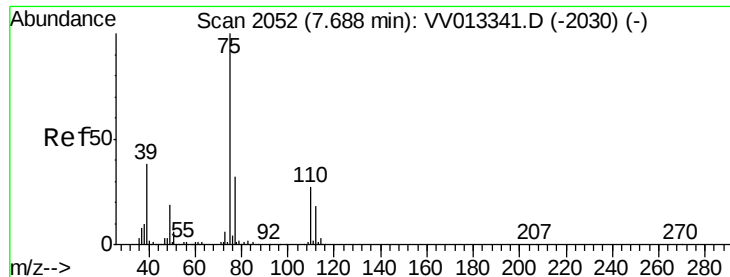
500

0

Time-->

6.50 6.55 6.60





#44

trans-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.02 min

Lab File: VV013345.D

Acq: 25 Oct 2019 14:58

Instrument :

MSVOA_V

ClientSampleId :

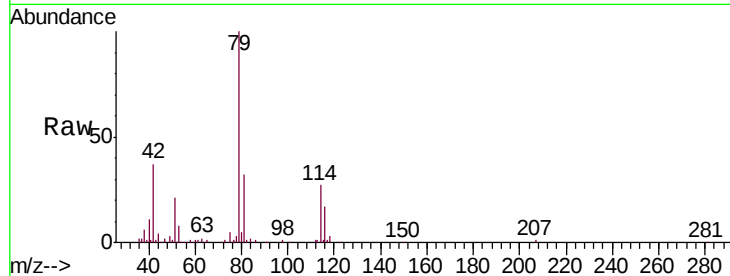
C0K16

Tgt Ion: 75 Resp: 4037

Ion Ratio Lower Upper

75 100

77 30.5 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV013341.D (-2030) (-)

Ion 77.05 (76.75 to 77.75): VV013341.D (-2030) (-)

7.67

2500

2000

1500

1000

500

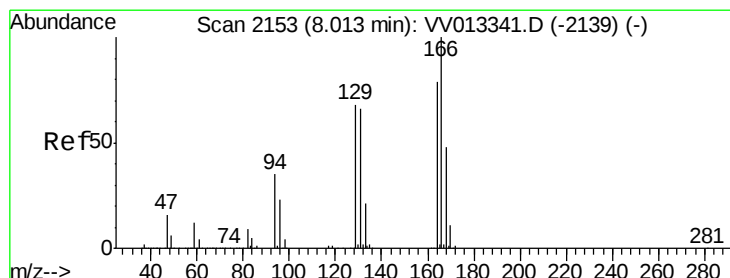
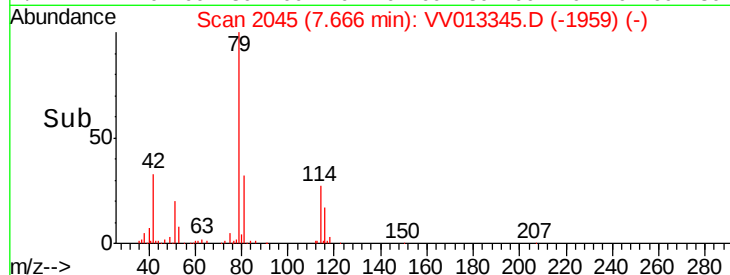
0

7.60

7.65

7.70

Time-->



#47

Tetrachloroethene

Concen: 3.305 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013345.D

Acq: 25 Oct 2019 14:58

Tgt Ion: 164 Resp: 150882

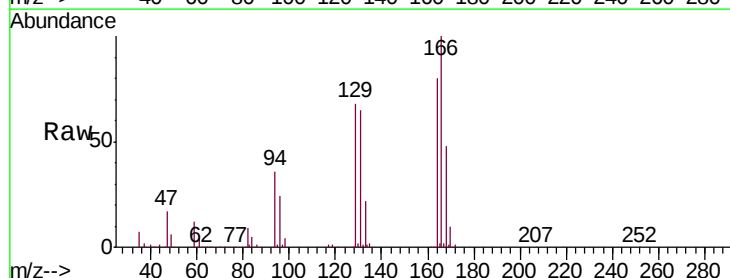
Ion Ratio Lower Upper

164 100

129 84.2 61.0 113.2

131 81.1 57.5 106.9

166 124.6 87.8 163.0



Abundance Ion 163.90 (163.60 to 164.60): VV013341.D (-2139) (-)

Ion 128.95 (128.65 to 129.65): VV013341.D (-2139) (-)

Ion 130.95 (130.65 to 131.65): VV013341.D (-2139) (-)

Ion 165.90 (165.60 to 166.60): VV013341.D (-2139) (-)

150000

100000

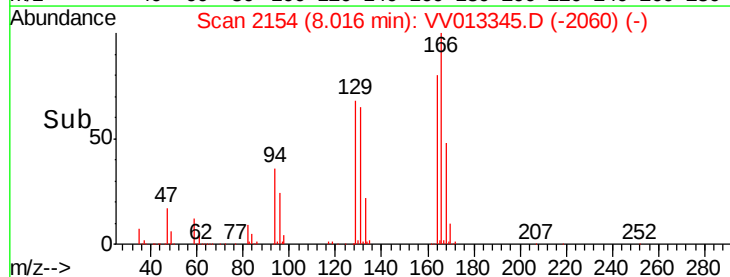
50000

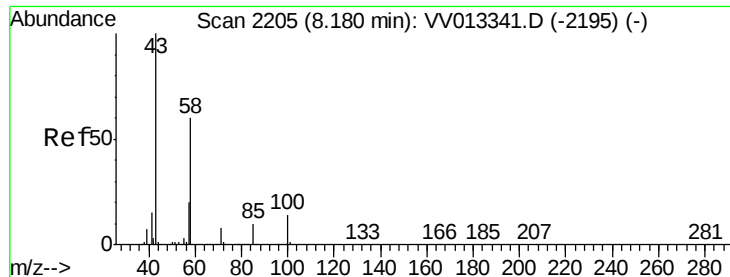
0

8.00

8.10

Time-->

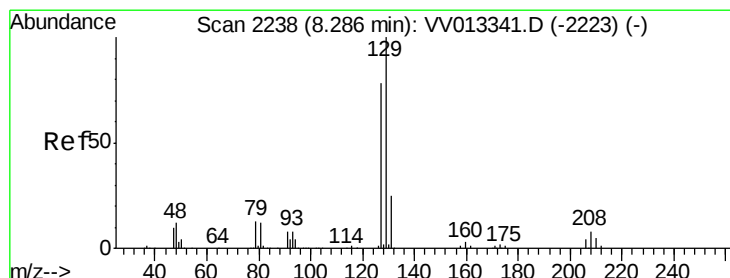
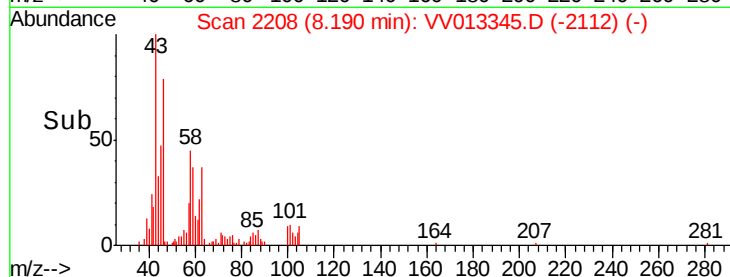
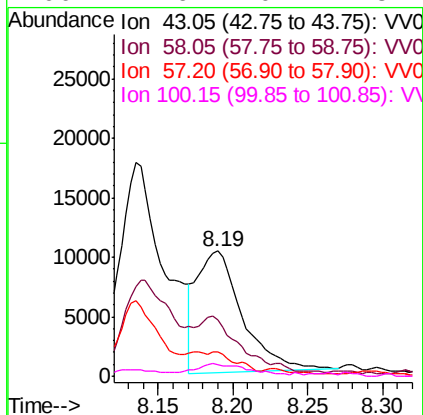
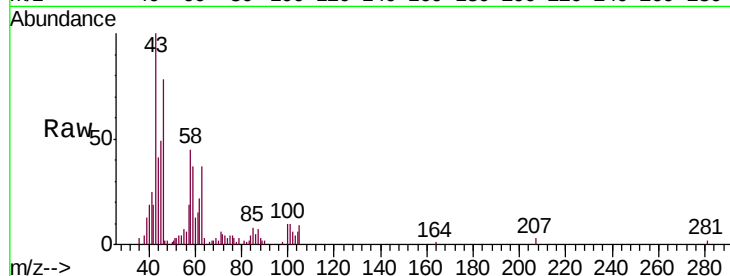




#48
2-Hexanone
Concen: 1.294 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV013345.D
Acq: 25 Oct 2019 14:58

Instrument :
MSVOA_V
ClientSampleId :
C0K16

Tgt Ion: 43 Resp: 21488
Ion Ratio Lower Upper
43 100
58 47.2 45.1 67.7
57 0.0 15.5 23.3#
100 12.6 10.2 15.2



#49
Dibromochloromethane
Concen: 3.062 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013345.D
Acq: 25 Oct 2019 14:58

Tgt Ion: 129 Resp: 122508
Ion Ratio Lower Upper
129 100
127 0.2 54.1 100.5#

