

Data File : VV010471.D
Acq On : 24 Apr 2019 18:52
Operator : SY/MD
Sample : K2477-05
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0X54

Quant Time: Apr 25 02:26:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 02:19:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	218060	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	218781	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	103252	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67158	5.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.60%
7) Chloroethane-d5	1.58	69	50611	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.40%
11) 1,1-Dichloroethene-d2	2.13	63	102860	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.60%
20) 2-Butanone-d5	3.96	46	156878	58.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.42%
24) Chloroform-d	4.40	84	143449	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.00%
26) 1,2-Dichloroethane-d4	5.09	65	72614	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.60%
32) Benzene-d6	5.10	84	280327	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
36) 1,2-Dichloropropane-d6	6.12	67	83527	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.36	98	258441	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	7.67	79	28702	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.14	63	121074	52.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.00%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	61223	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	102889	5.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.80%

Target Compounds

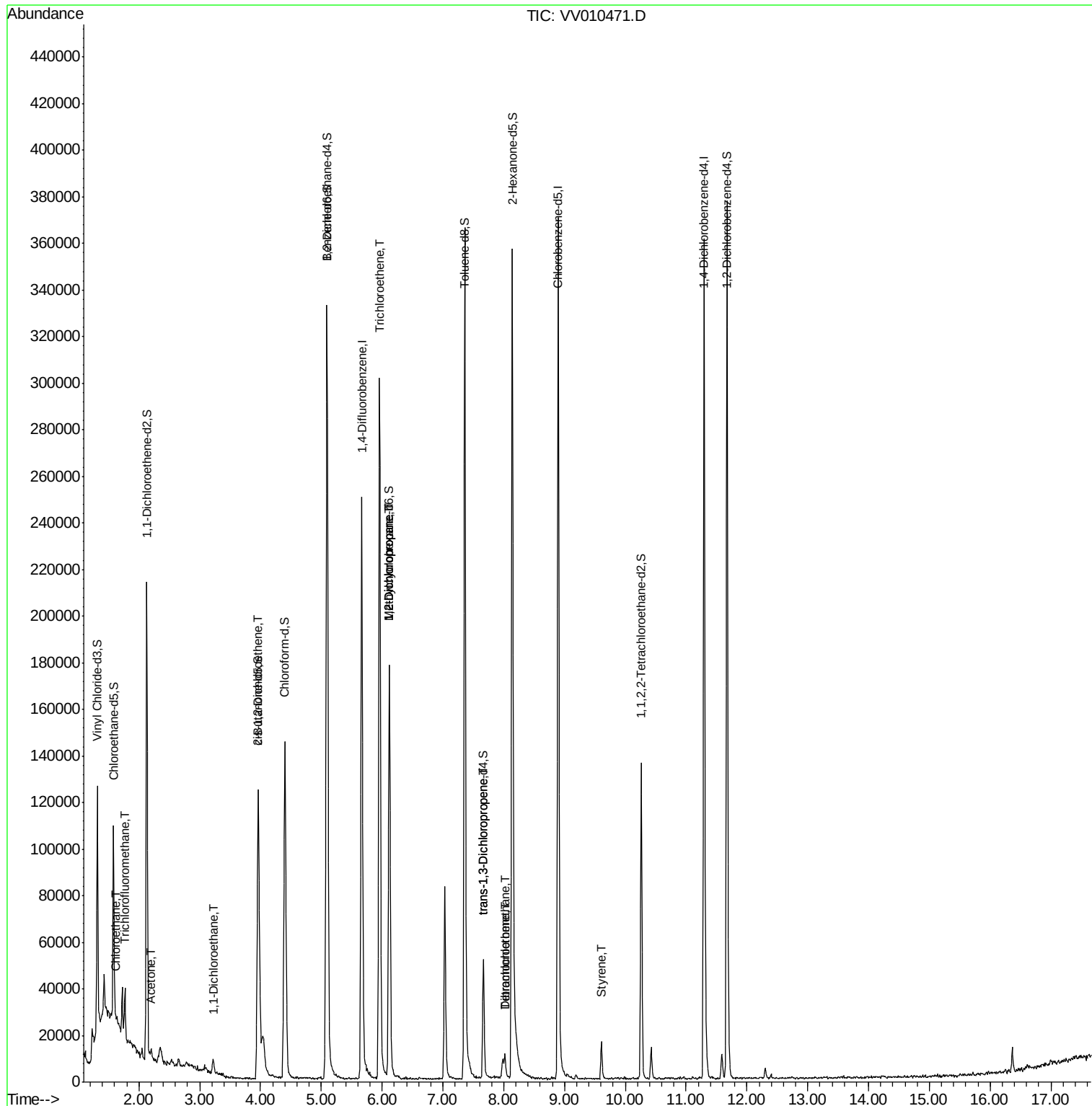
					Qvalue
8) Chloroethane	1.62	64	2954	0.354 ug/L #	52
9) Trichlorofluoromethane	1.77	101	10754	0.390 ug/L	97
13) Acetone	2.20	43	3396	2.094 ug/L	98
19) 1,1-Dichloroethane	3.23	63	3780	0.165 ug/L #	84
22) cis-1,2-Dichloroethene	3.96	96	17285	1.158 ug/L	90
34) Trichloroethene	5.96	95	102818	6.371 ug/L	96
35) Methylcyclohexane	6.12	83	20078	0.829 ug/L #	20
37) 1,2-Dichloropropane	6.12	63	9825	0.724 ug/L #	86
44) trans-1,3-Dichloropropene	7.67	75	1373	0.088 ug/L #	62
47) Tetrachloroethene	8.02	164	2254	0.156 ug/L	90
49) Dibromochloromethane	8.02	129	1731	0.135 ug/L #	9
55) Styrene	9.61	104	8338	0.188 ug/L	97

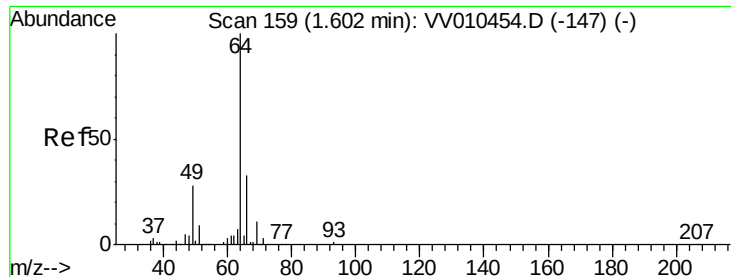
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.354 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.02 min

Lab File: VV010471.D

Acq: 24 Apr 2019 18:52

Instrument :

MSVOA_V

ClientSampled :

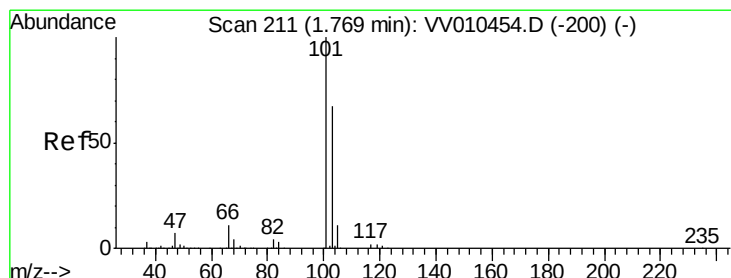
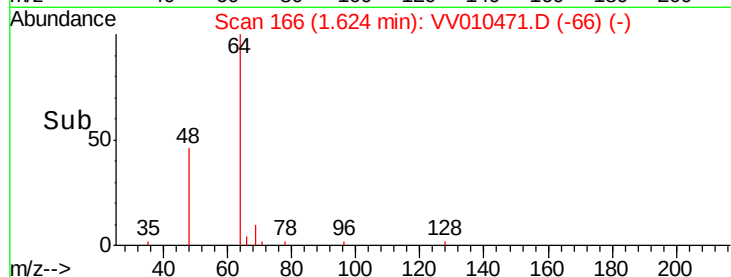
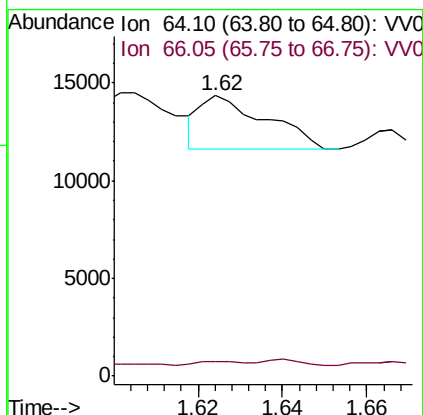
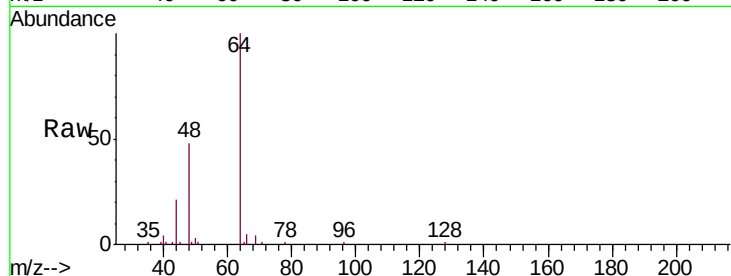
C0X54

Tgt Ion: 64 Resp: 2954

Ion Ratio Lower Upper

64 100

66 5.2 22.5 41.9#



#9

Trichlorofluoromethane

Concen: 0.390 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV010471.D

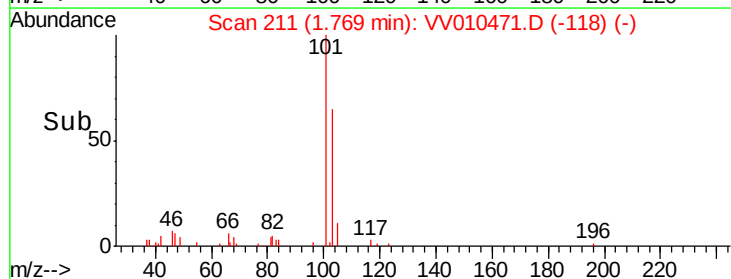
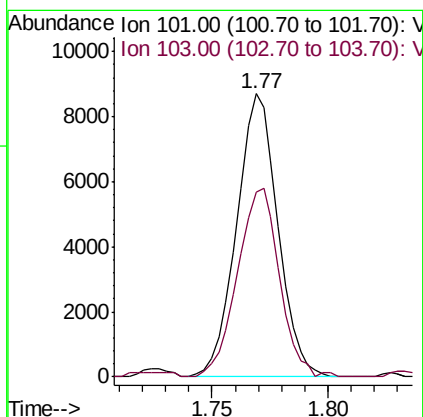
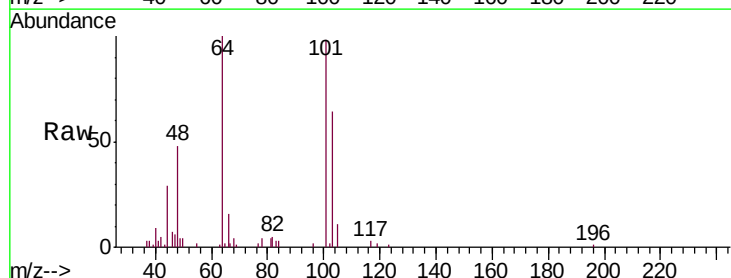
Acq: 24 Apr 2019 18:52

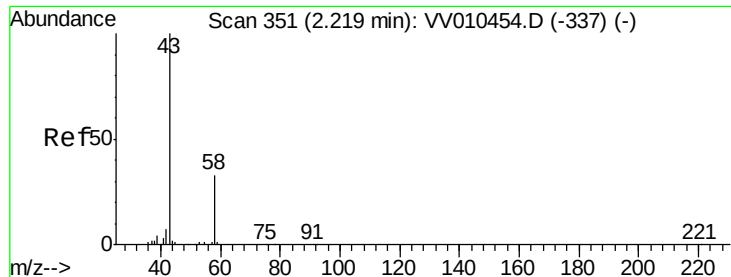
Tgt Ion: 101 Resp: 10754

Ion Ratio Lower Upper

101 100

103 67.8 52.6 78.8





#13

Acetone

Concen: 2.094 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.02 min

Lab File: VV010471.D

Acq: 24 Apr 2019 18:52

Instrument :

MSVOA_V

ClientSampleId :

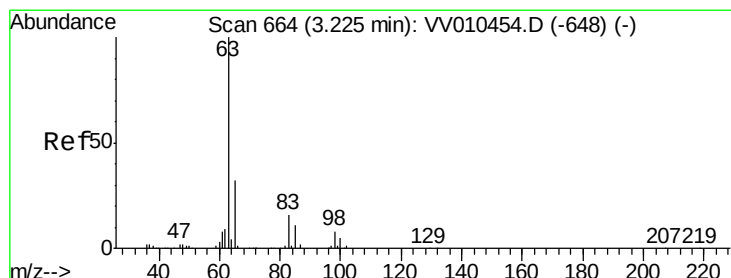
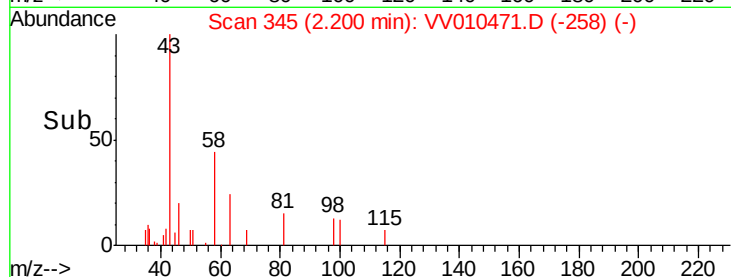
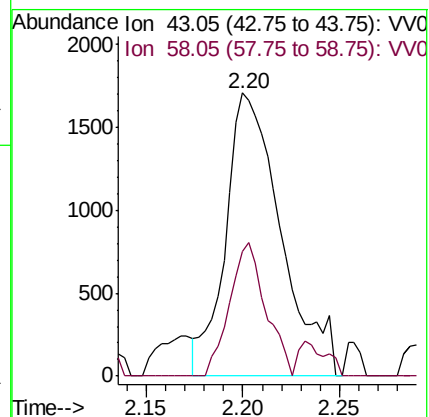
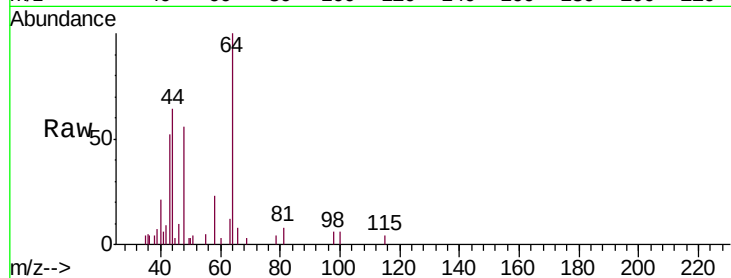
C0X54

Tgt Ion: 43 Resp: 3396

Ion Ratio Lower Upper

43 100

58 30.6 0.0 59.6



#19

1,1-Dichloroethane

Concen: 0.165 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV010471.D

Acq: 24 Apr 2019 18:52

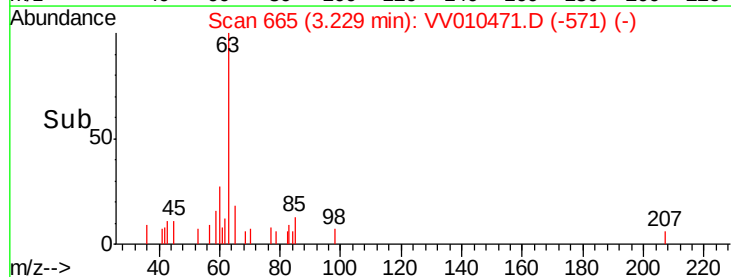
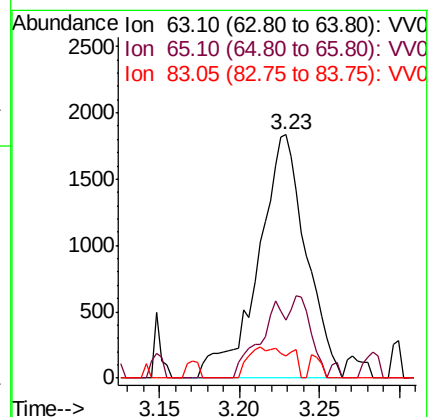
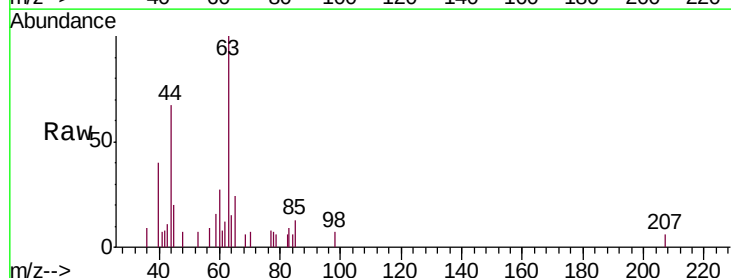
Tgt Ion: 63 Resp: 3780

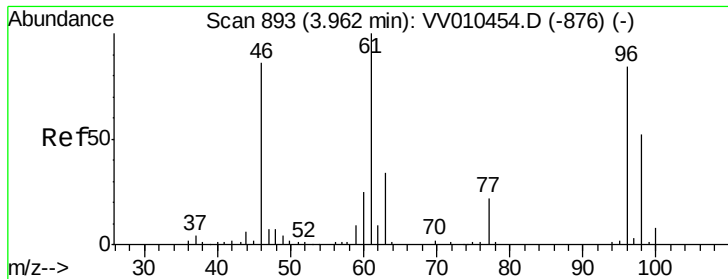
Ion Ratio Lower Upper

63 100

65 23.8 22.7 42.3

83 9.2 11.3 20.9#



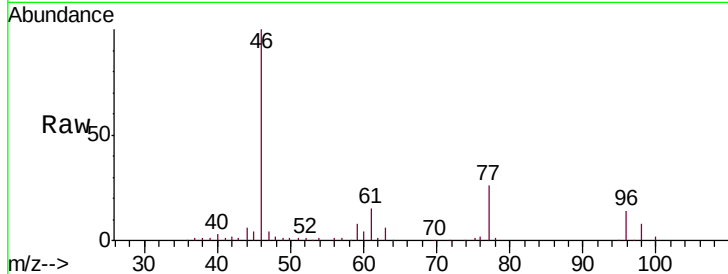


#22

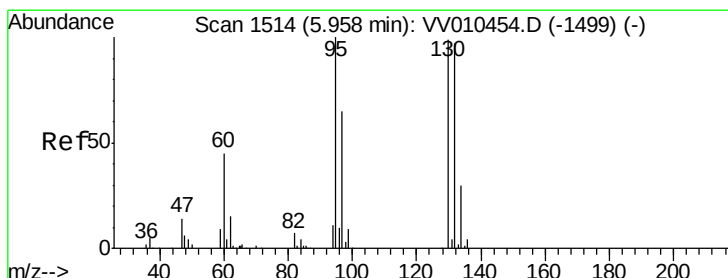
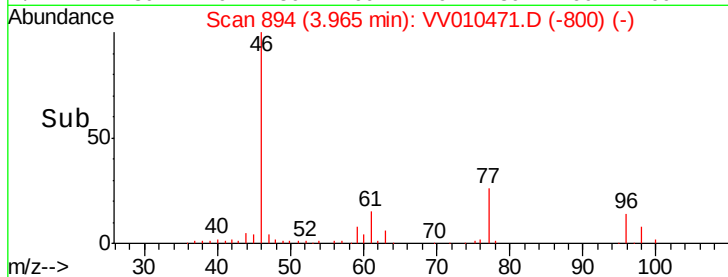
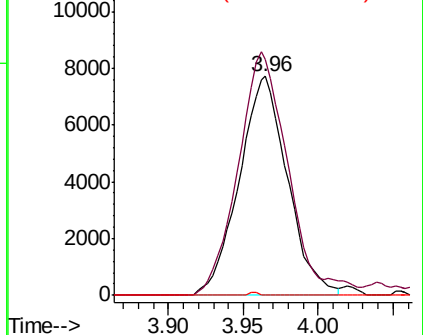
cis-1,2-Dichloroethene
Concen: 1.158 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV010471.D
Acq: 24 Apr 2019 18:52

Instrument :
MSVOA_V
ClientSampleId :
C0X54

Tgt Ion: 96 Resp: 17285
Ion Ratio Lower Upper
96 100
61 108.0 83.2 154.6
68 0.0 0.0 0.0



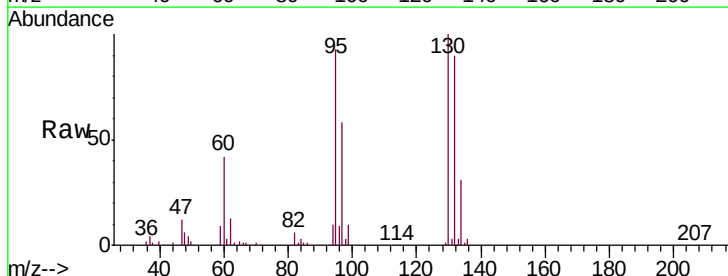
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



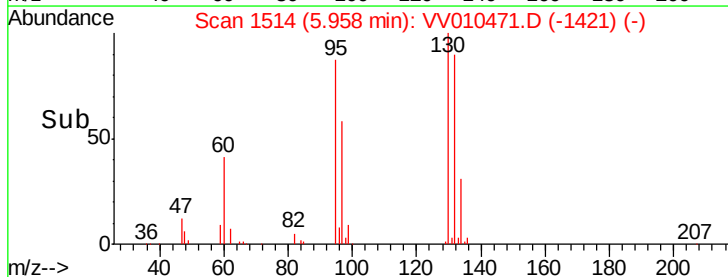
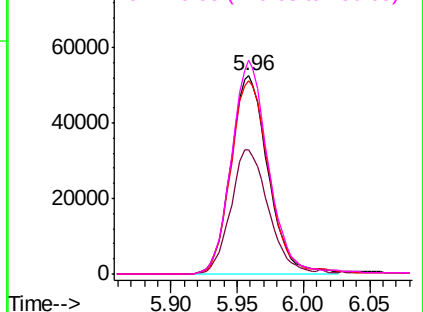
#34

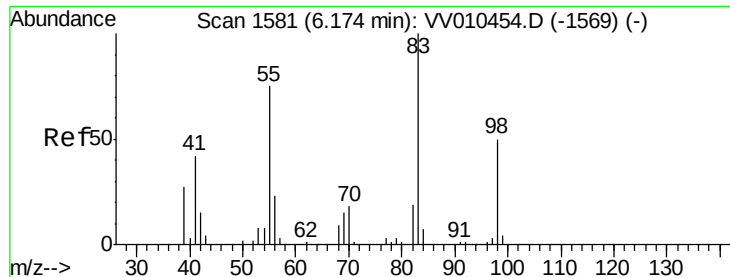
Trichloroethene
Concen: 6.371 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV010471.D
Acq: 24 Apr 2019 18:52

Tgt Ion: 95 Resp: 102818
Ion Ratio Lower Upper
95 100
97 62.7 45.6 84.6
132 97.4 67.8 126.0
130 107.7 69.0 128.2



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

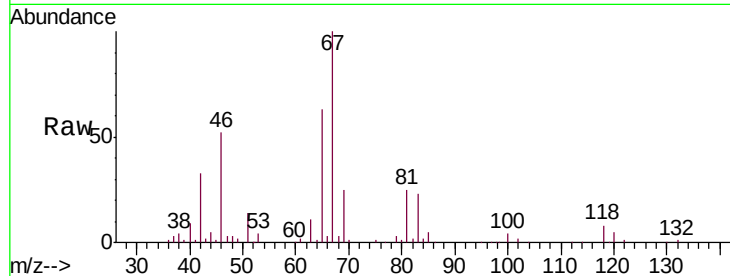




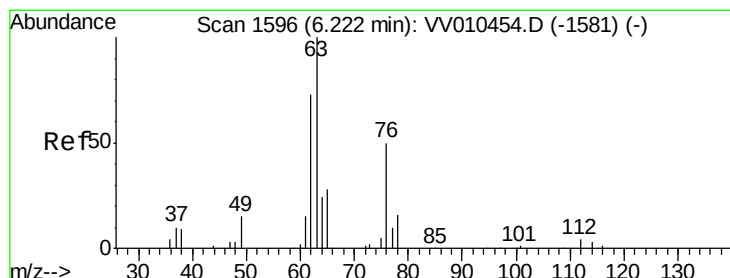
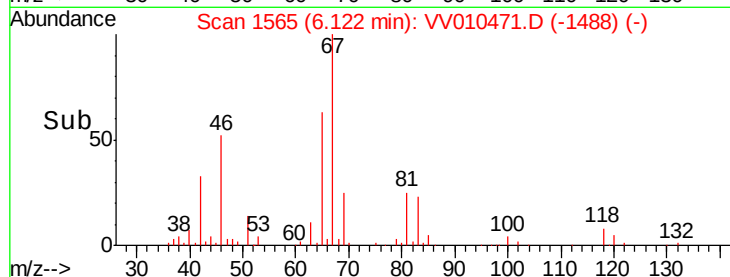
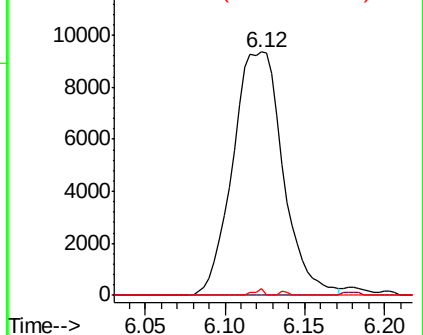
#35
Methylcyclohexane
Concen: 0.829 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.05 min
Lab File: VV010471.D
Acq: 24 Apr 2019 18:52

Instrument :
MSVOA_V
ClientSampleId :
C0X54

Tgt Ion: 83 Resp: 20078
Ion Ratio Lower Upper
83 100
55 0.5 57.8 86.6#
98 0.5 38.8 58.2#

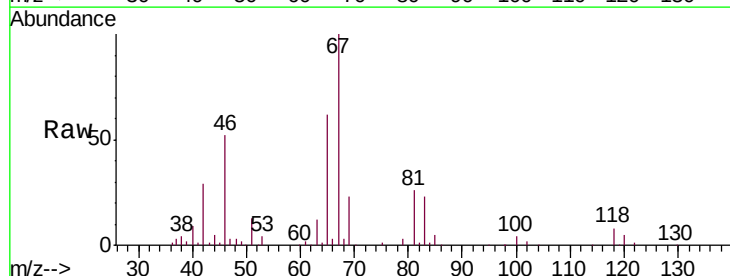


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

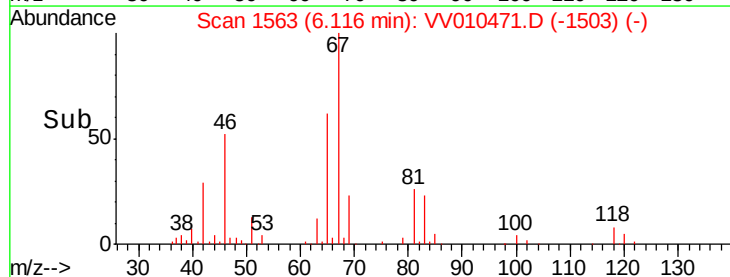
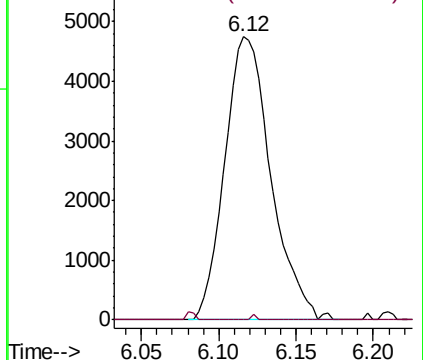


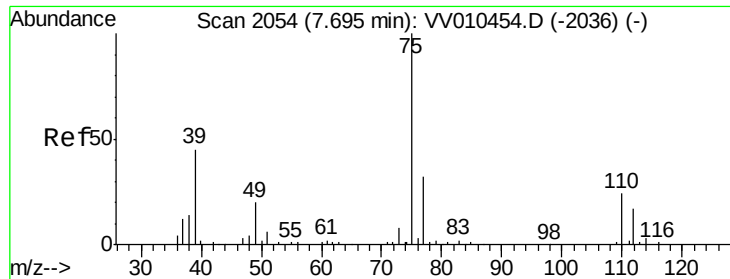
#37
1,2-Dichloropropane
Concen: 0.724 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.11 min
Lab File: VV010471.D
Acq: 24 Apr 2019 18:52

Tgt Ion: 63 Resp: 9825
Ion Ratio Lower Upper
63 100
112 0.2 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#44

trans-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV010471.D

Acq: 24 Apr 2019 18:52

Instrument :

MSVOA_V

ClientSampleId :

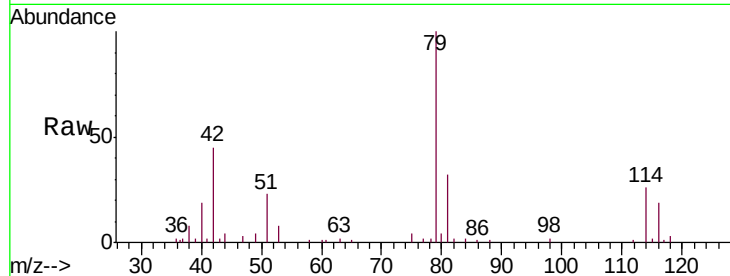
C0X54

Tgt Ion: 75 Resp: 1373

Ion Ratio Lower Upper

75 100

77 52.5 22.1 41.1#



Abundance Ion 75.05 (74.75 to 75.75): VV010454.D (-2036) (-)

Ion 77.05 (76.75 to 77.75): VV010454.D (-2036) (-)

7.67

600

400

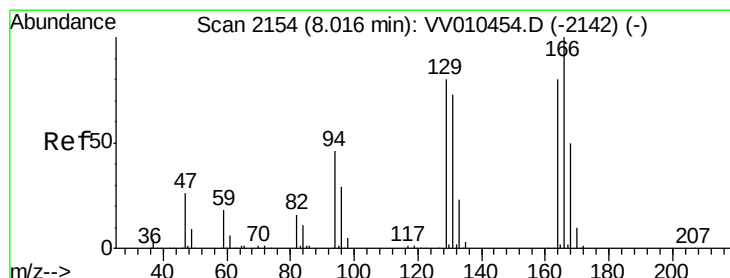
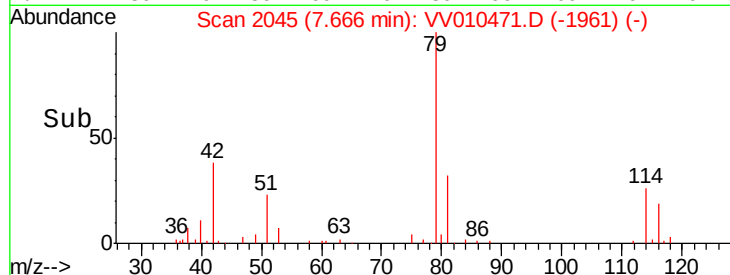
200

0

7.65

7.70

Time-->



#47

Tetrachloroethene

Concen: 0.156 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.01 min

Lab File: VV010471.D

Acq: 24 Apr 2019 18:52

Tgt Ion: 164 Resp: 2254

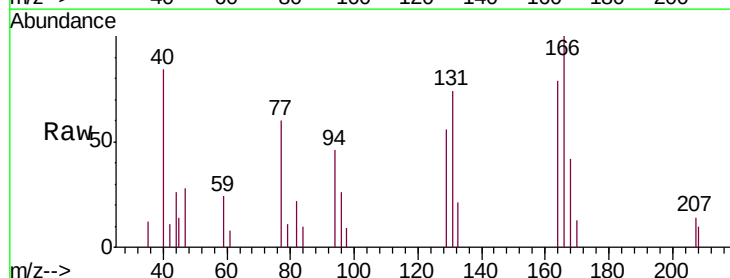
Ion Ratio Lower Upper

164 100

129 70.5 69.7 129.4

131 92.7 63.8 118.6

166 125.9 87.4 162.2



Abundance Ion 163.90 (163.60 to 164.60): VV010454.D (-2142) (-)

Ion 128.95 (128.65 to 129.65): VV010454.D (-2142) (-)

Ion 130.95 (130.65 to 131.65): VV010454.D (-2142) (-)

Ion 165.90 (165.60 to 166.60): VV010454.D (-2142) (-)

2000

1500

1000

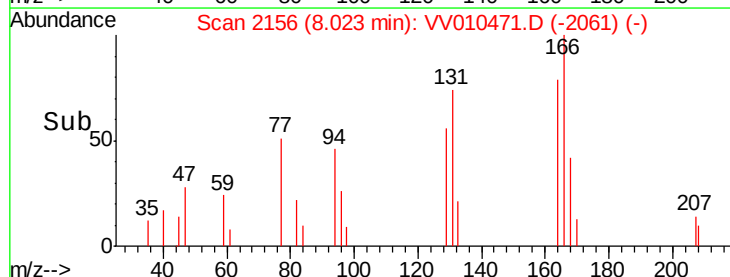
500

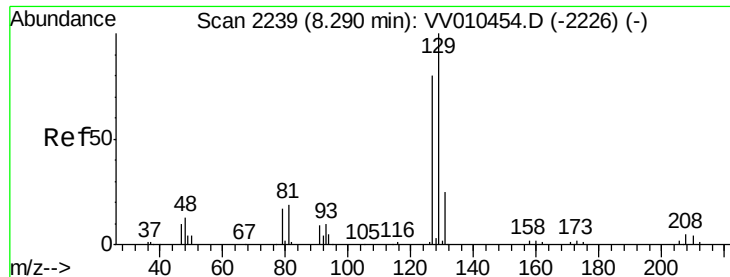
0

8.00

8.05

Time-->





#49

Dibromochloromethane

Concen: 0.135 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

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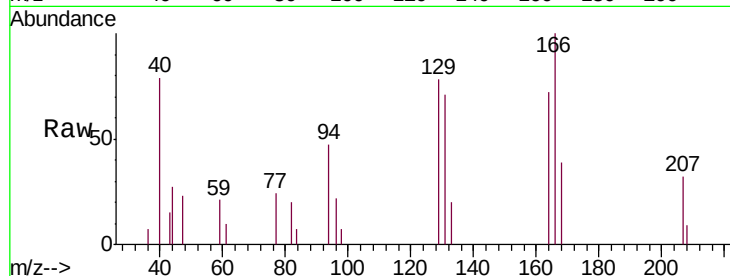
C0X54

Tgt Ion:129 Resp: 1731

Ion Ratio Lower Upper

129 100

127 0.0 56.1 104.1#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.02

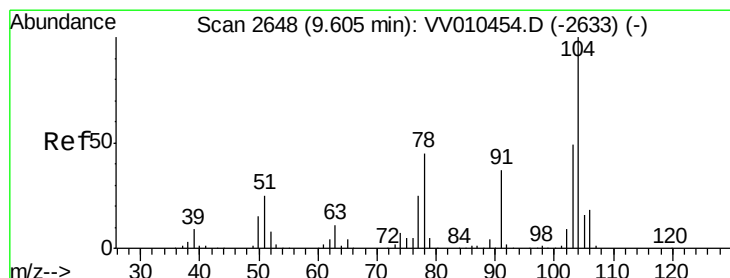
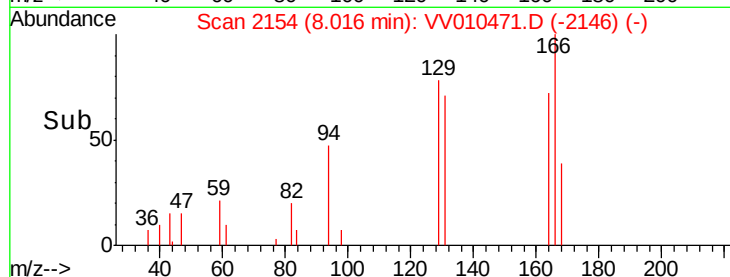
1000

500

0

Time-->

7.98 8.00 8.02 8.04 8.06



#55

Styrene

Concen: 0.188 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV010471.D

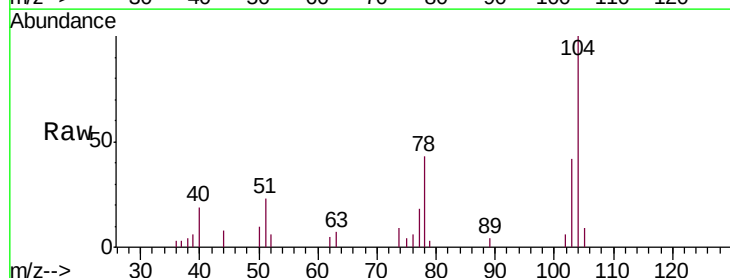
Acq: 24 Apr 2019 18:52

Tgt Ion:104 Resp: 8338

Ion Ratio Lower Upper

104 100

78 43.2 31.4 58.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

6000

5000

4000

3000

2000

1000

0

Time-->

9.55 9.60 9.65

