

Data File : VV010588.D
Acq On : 30 Apr 2019 21:40
Operator : SY/MD
Sample : K2590-10
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0XA2

Quant Time: May 01 08:18:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 01 08:14:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	182576	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	186725	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	75513	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55362	5.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.80%
7) Chloroethane-d5	1.56	69	38856	5.60	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.00%
11) 1,1-Dichloroethene-d2	2.12	63	77532	3.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.00%
20) 2-Butanone-d5	3.93	46	145313	62.78	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.56%
24) Chloroform-d	4.40	84	106958	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.08	65	61797	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.00%
32) Benzene-d6	5.10	84	227196	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
36) 1,2-Dichloropropane-d6	6.12	67	71510	5.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.40%
41) Toluene-d8	7.36	98	210188	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	7.66	79	23138	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.13	63	126929	65.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	130.30%#
57) 1,1,2,2-Tetrachloroethane-	10.26	84	52685	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	79751	6.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.60%#

Target Compounds

					Qvalue
8) Chloroethane	1.59	64	728	0.099 ug/L #	46
9) Trichlorofluoromethane	1.76	101	51332	2.140 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	989	0.081 ug/L #	18
13) Acetone	2.19	43	42504	29.702 ug/L	99
15) Methyl Acetate	2.32	43	12402	2.595 ug/L #	51
21) 2-Butanone	4.03	43	3744	1.467 ug/L #	56
22) cis-1,2-Dichloroethene	3.96	96	1740	0.134 ug/L	78
25) Chloroform	4.43	83	12316	0.527 ug/L	100
34) Trichloroethene	5.96	95	6767	0.482 ug/L #	82
35) Methylcyclohexane	6.12	83	16707	0.855 ug/L #	19
37) 1,2-Dichloropropane	6.11	63	8587	0.716 ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	2167	0.129 ug/L	84
44) trans-1,3-Dichloropropene	7.66	75	1403	0.110 ug/L	85
47) Tetrachloroethene	8.02	164	52420	4.897 ug/L	95
49) Dibromochloromethane	8.02	129	46377	4.683 ug/L #	9
59) 1,2,3-Trichloropropane	10.05	75	1617	0.222 ug/L #	45

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050119\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 01 08:14:23 2019
Response via : Initial Calibration

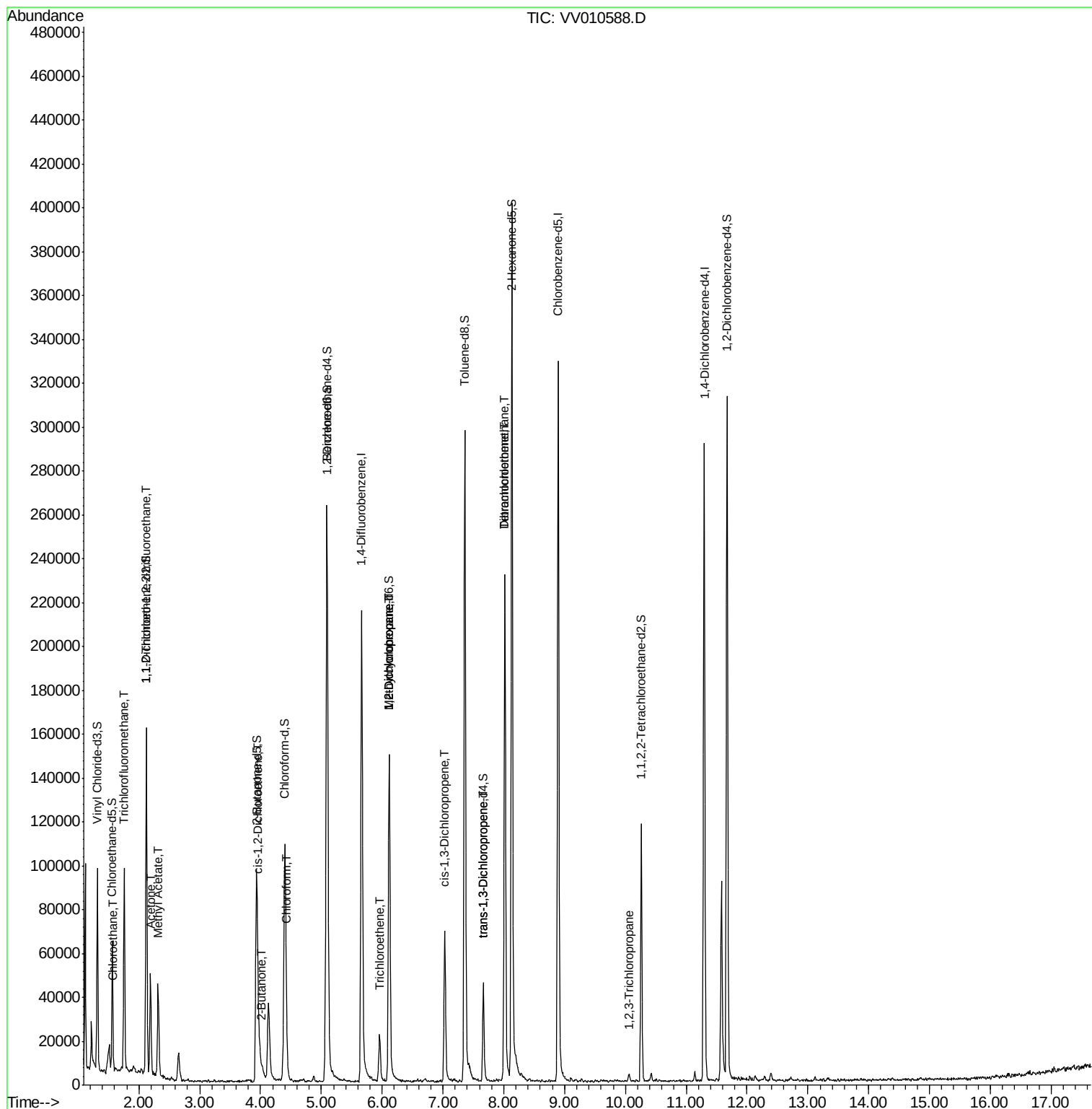
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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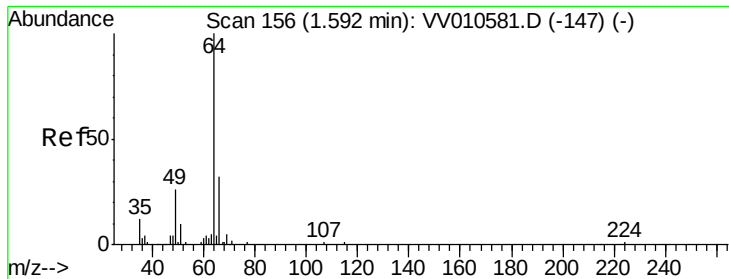
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.099 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.01 min

Lab File: VV010588.D

Acq: 30 Apr 2019 21:40

Instrument :

MSVOA_V

ClientSampleId :

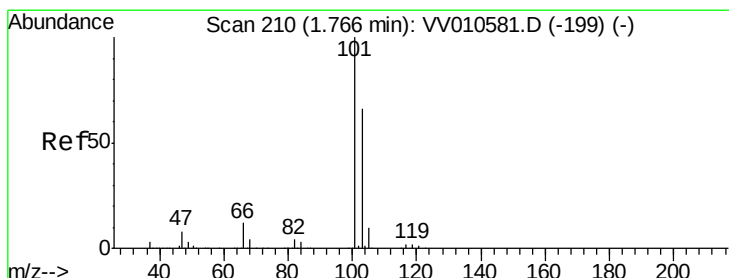
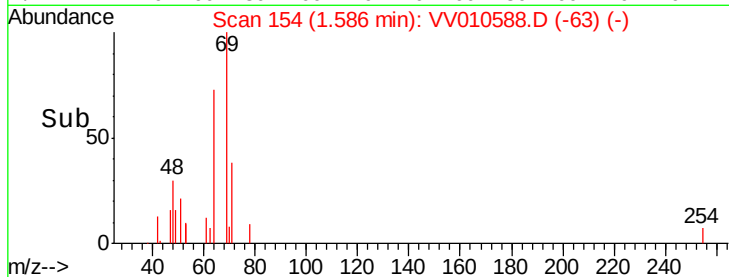
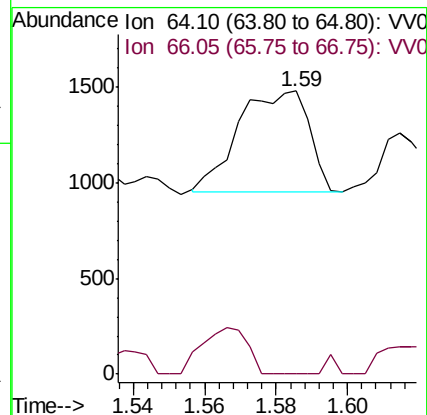
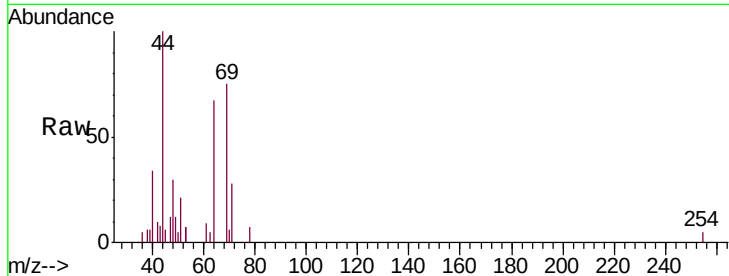
C0XA2

Tgt Ion: 64 Resp: 728

Ion Ratio Lower Upper

64 100

66 0.0 20.3 37.7#



#9

Trichlorofluoromethane

Concen: 2.140 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.01 min

Lab File: VV010588.D

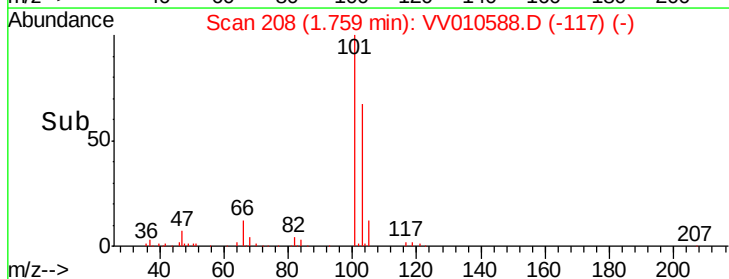
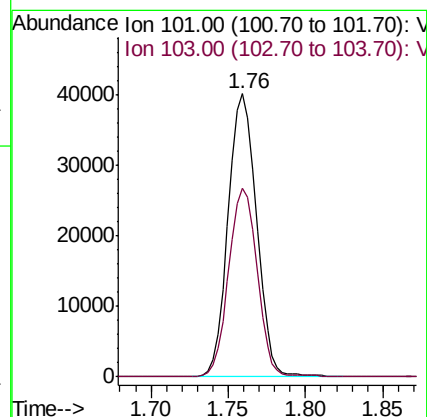
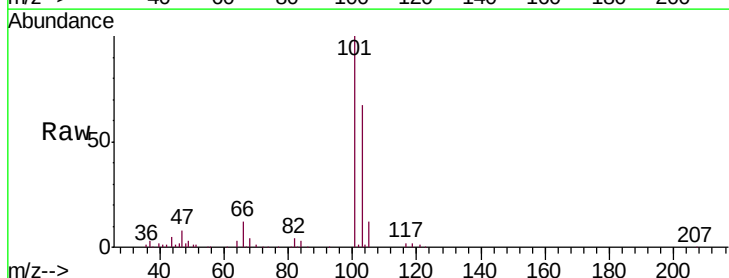
Acq: 30 Apr 2019 21:40

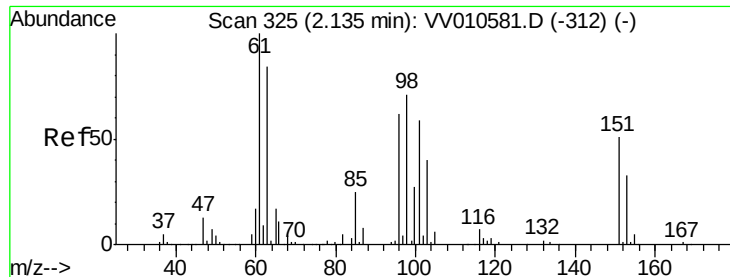
Tgt Ion: 101 Resp: 51332

Ion Ratio Lower Upper

101 100

103 66.4 52.2 78.4





#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: VV010588.D

Acq: 30 Apr 2019 21:40

Instrument :

MSVOA_V

ClientSampleId :

C0XA2

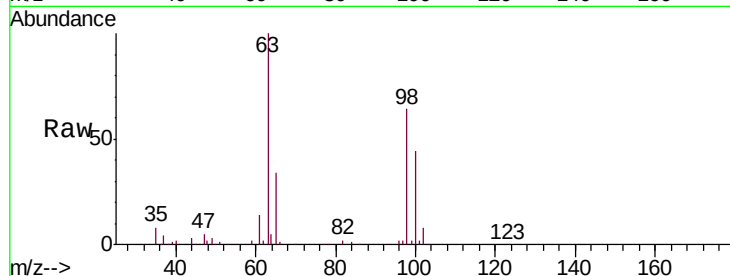
Tgt Ion:101 Resp: 989

Ion Ratio Lower Upper

101 100

85 5.4 35.6 53.4#

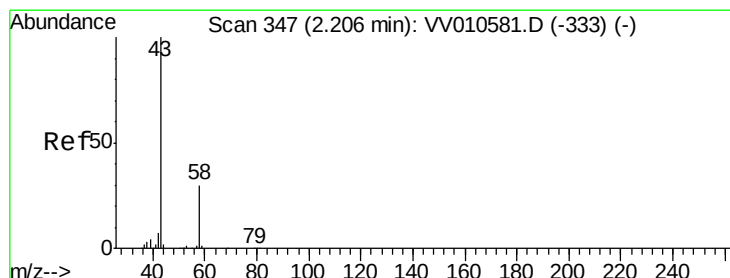
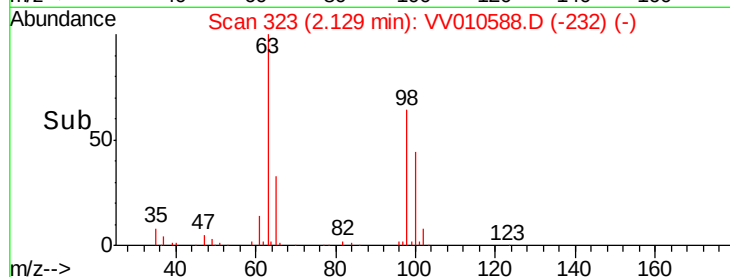
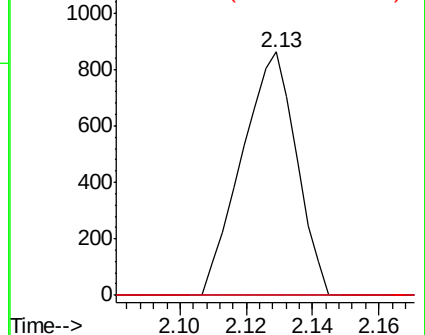
151 0.0 67.9 101.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 29.702 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.02 min

Lab File: VV010588.D

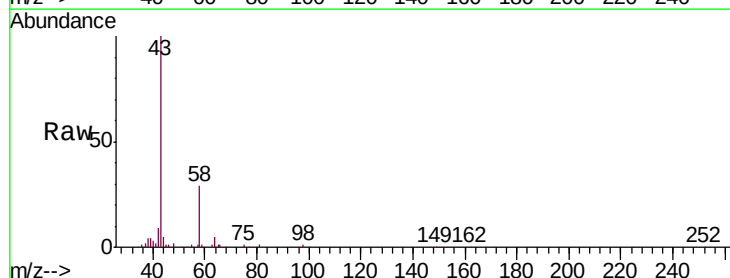
Acq: 30 Apr 2019 21:40

Tgt Ion: 43 Resp: 42504

Ion Ratio Lower Upper

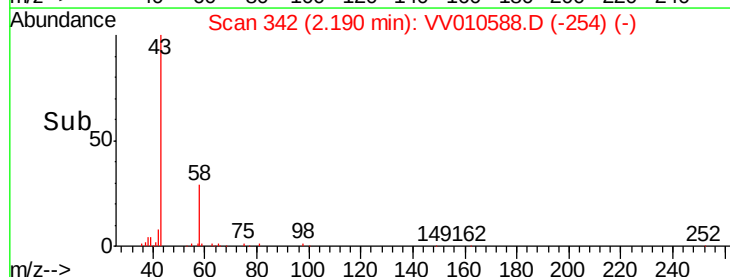
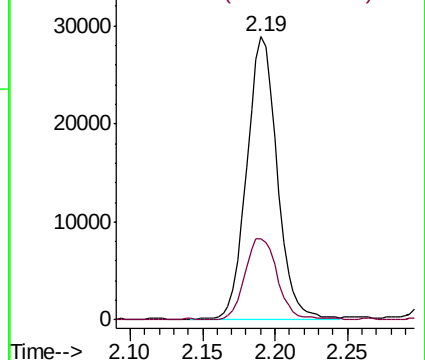
43 100

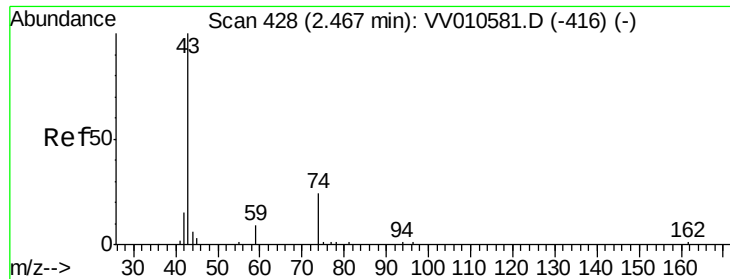
58 30.6 0.0 59.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

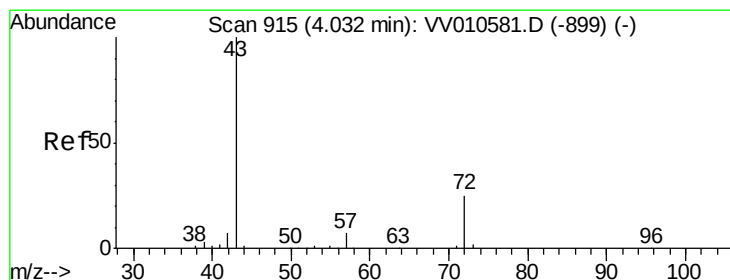
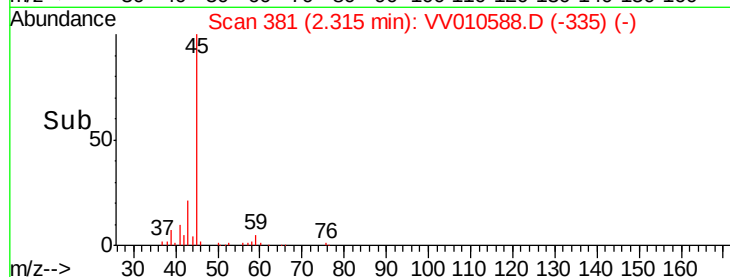
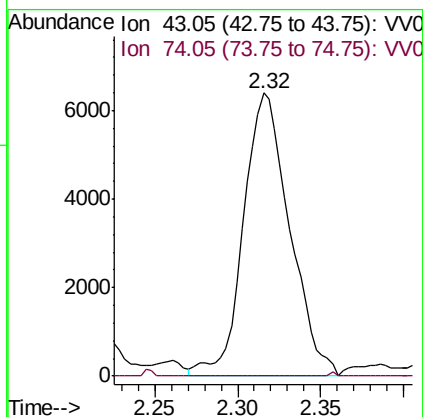
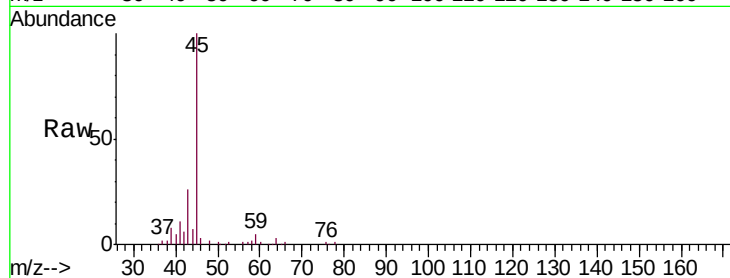




#15
Methyl Acetate
Concen: 2.595 ug/L
RT: 2.32 min Scan# 381
Delta R.T. -0.15 min
Lab File: VV010588.D
Acq: 30 Apr 2019 21:40

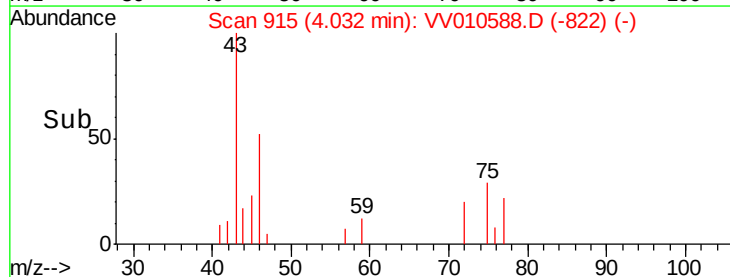
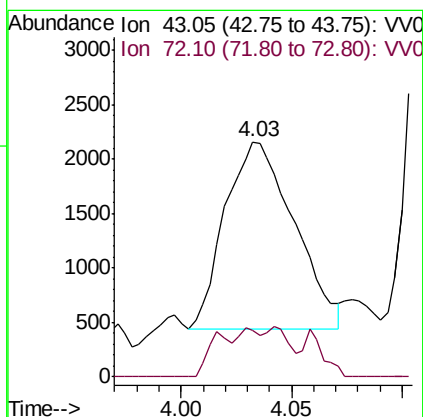
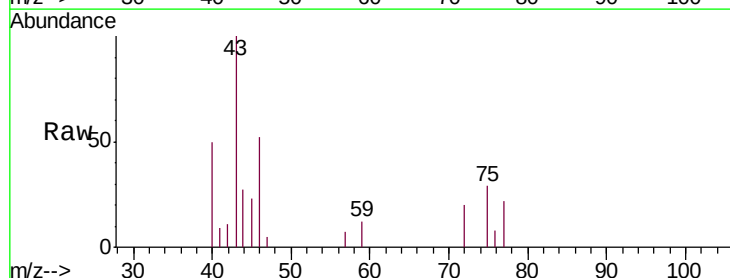
Instrument :
MSVOA_V
ClientSampleId :
C0XA2

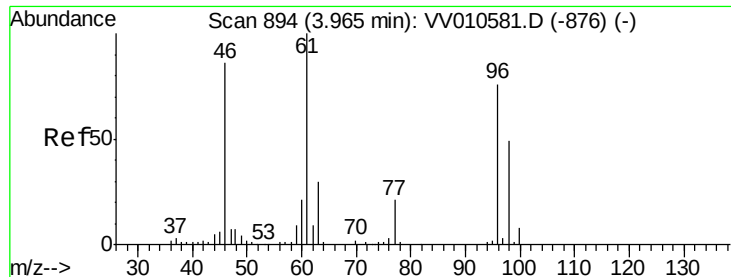
Tgt Ion: 43 Resp: 12402
Ion Ratio Lower Upper
43 100
74 0.2 19.8 29.8#



#21
2-Butanone
Concen: 1.467 ug/L
RT: 4.03 min Scan# 915
Delta R.T. 0.00 min
Lab File: VV010588.D
Acq: 30 Apr 2019 21:40

Tgt Ion: 43 Resp: 3744
Ion Ratio Lower Upper
43 100
72 2.9 12.5 37.5#



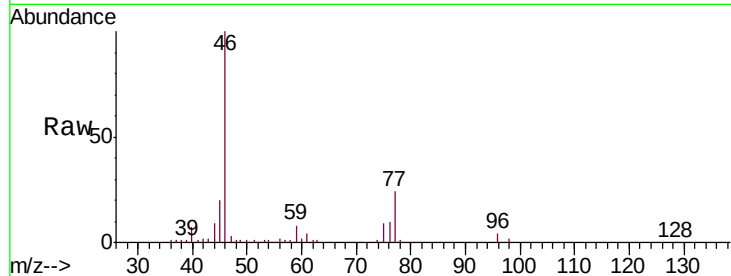


#22

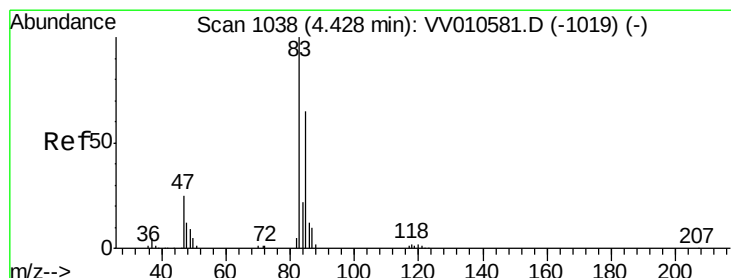
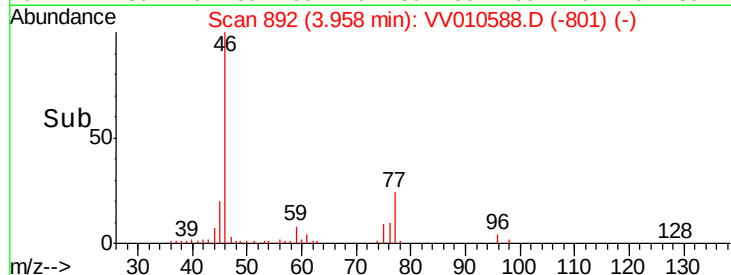
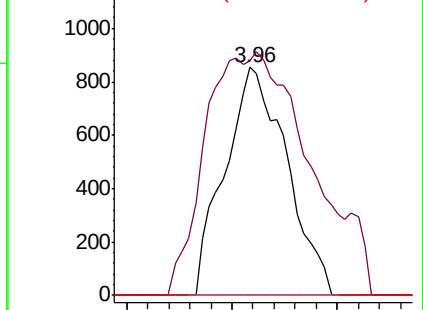
cis-1,2-Dichloroethene
 Concen: 0.134 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: VV010588.D
 Acq: 30 Apr 2019 21:40

Instrument :
 MSVOA_V
 ClientSampleId :
 C0XA2

Tgt Ion: 96 Resp: 1740
 Ion Ratio Lower Upper
 96 100
 61 102.9 90.0 167.2
 68 0.0 0.0 0.0



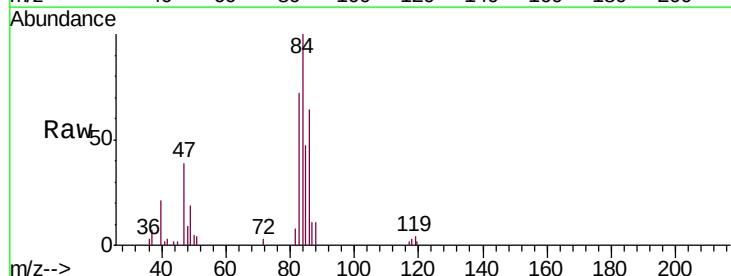
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



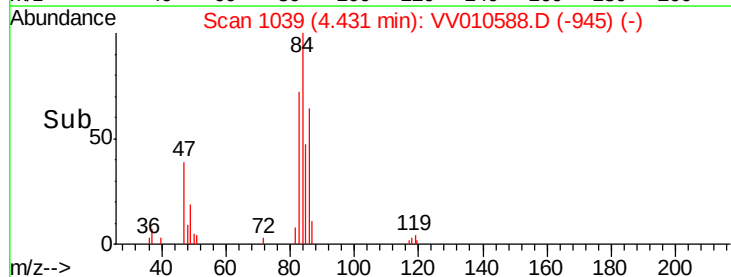
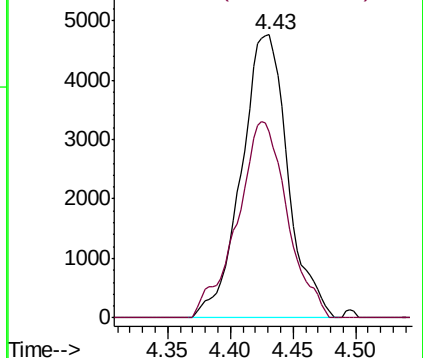
#25

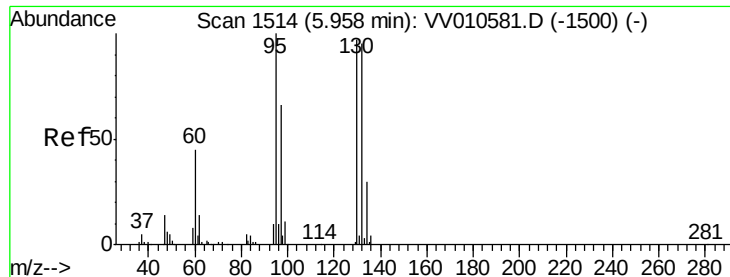
Chloroform
 Concen: 0.527 ug/L
 RT: 4.43 min Scan# 1039
 Delta R.T. 0.00 min
 Lab File: VV010588.D
 Acq: 30 Apr 2019 21:40

Tgt Ion: 83 Resp: 12316
 Ion Ratio Lower Upper
 83 100
 85 65.5 45.8 85.2



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 0.482 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV010588.D

Acq: 30 Apr 2019 21:40

Instrument :

MSVOA_V

ClientSampleId :

C0XA2

Tgt Ion: 95 Resp: 6767

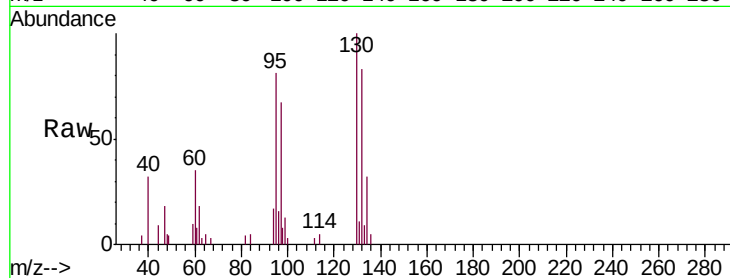
Ion Ratio Lower Upper

95 100

97 82.5 44.3 82.3#

132 102.9 67.1 124.7

130 123.2 68.7 127.5

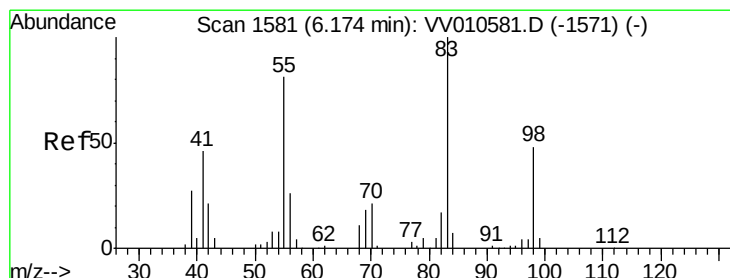
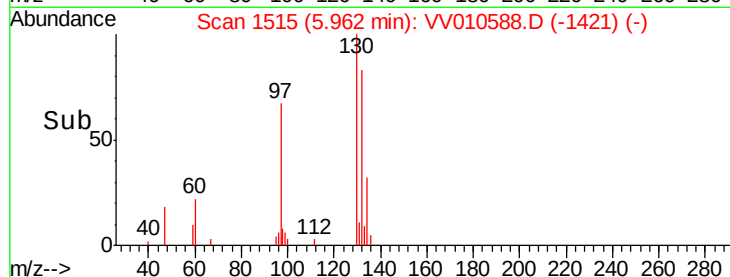
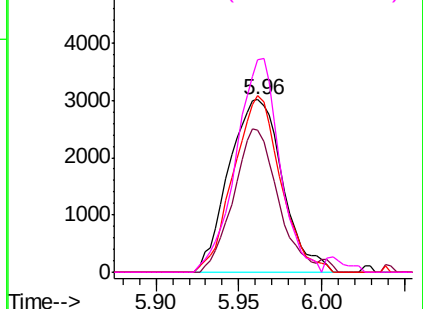


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.855 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV010588.D

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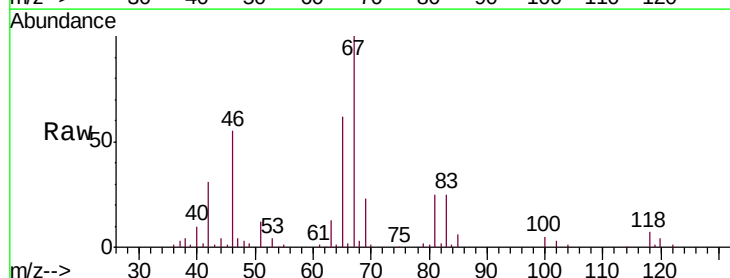
Tgt Ion: 83 Resp: 16707

Ion Ratio Lower Upper

83 100

55 1.0 62.6 94.0#

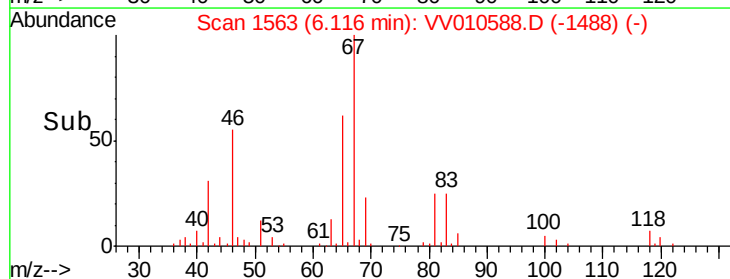
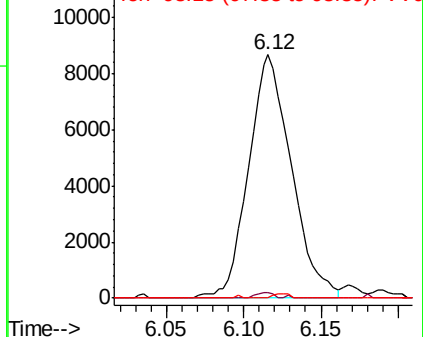
98 1.1 38.8 58.2#

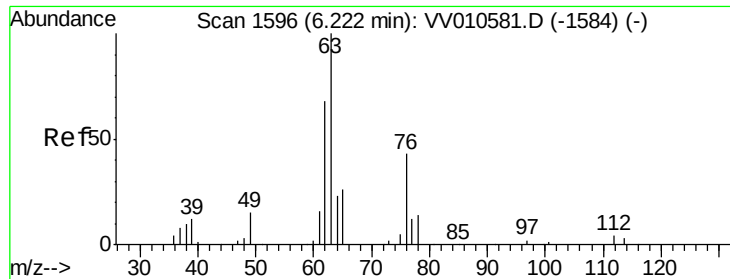


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

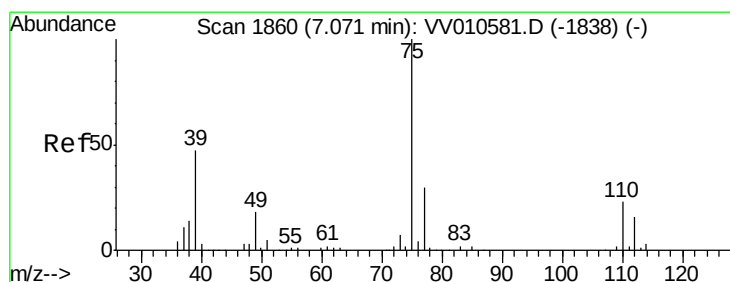
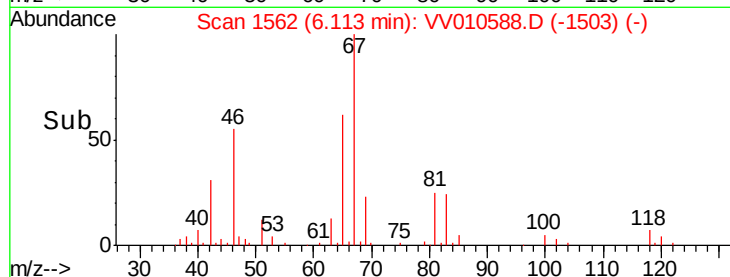
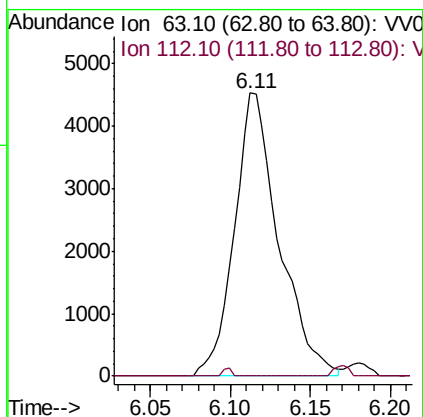
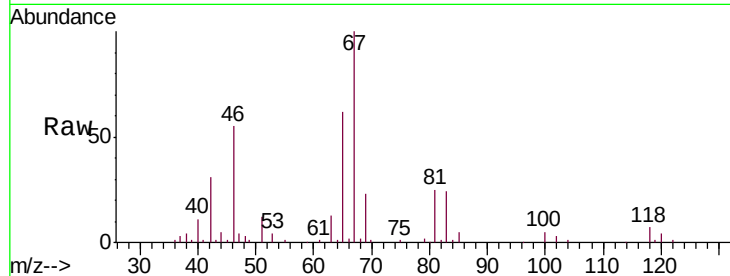




#37
 1,2-Dichloropropane
 Concen: 0.716 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.11 min
 Lab File: VV010588.D
 Acq: 30 Apr 2019 21:40

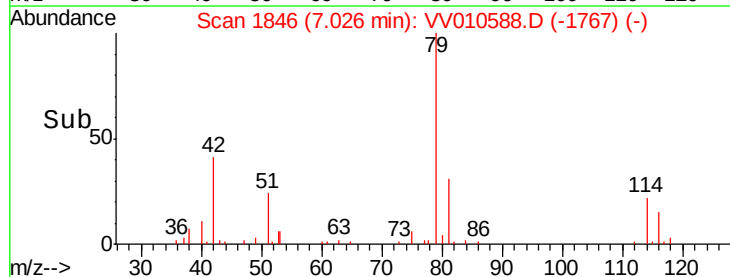
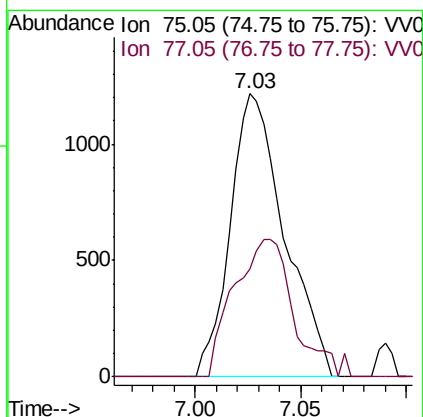
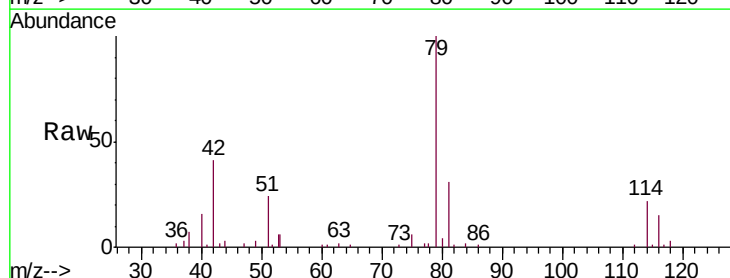
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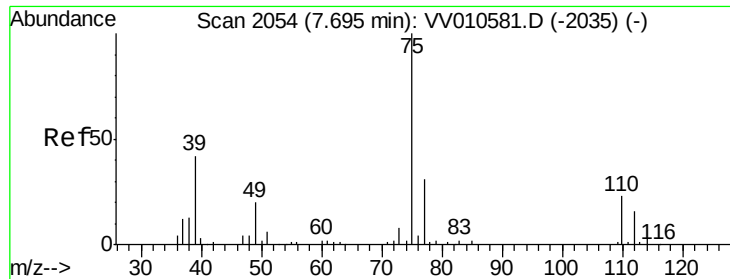
Tgt Ion: 63 Resp: 8587
 Ion Ratio Lower Upper
 63 100
 112 0.5 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.129 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV010588.D
 Acq: 30 Apr 2019 21:40

Tgt Ion: 75 Resp: 2167
 Ion Ratio Lower Upper
 75 100
 77 38.3 20.9 38.7





#44

trans-1,3-Dichloropropene

Concen: 0.110 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV010588.D

Acq: 30 Apr 2019 21:40

Instrument :

MSVOA_V

ClientSampleId :

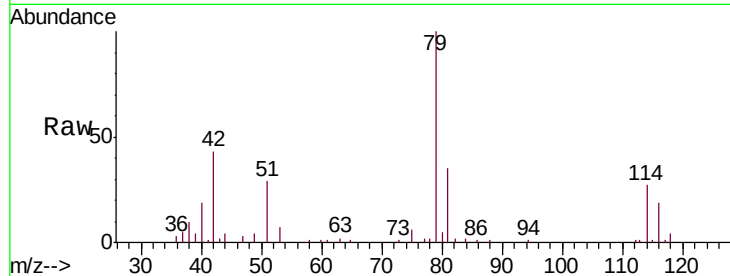
C0XA2

Tgt Ion: 75 Resp: 1403

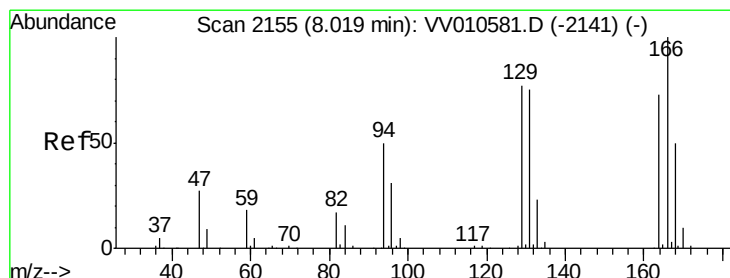
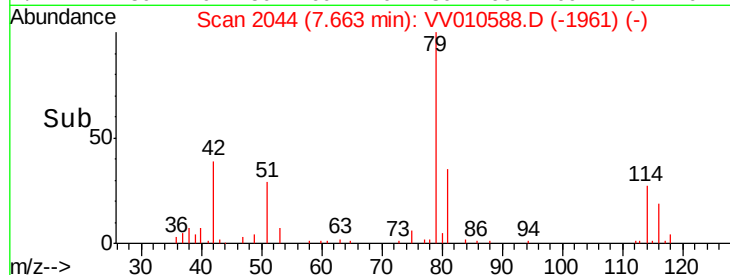
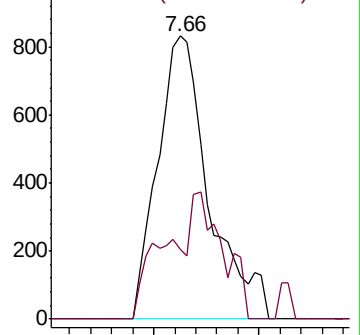
Ion Ratio Lower Upper

75 100

77 24.6 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV010581.D (-2035) (-)



#47

Tetrachloroethene

Concen: 4.897 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV010588.D

Acq: 30 Apr 2019 21:40

Tgt Ion: 164 Resp: 52420

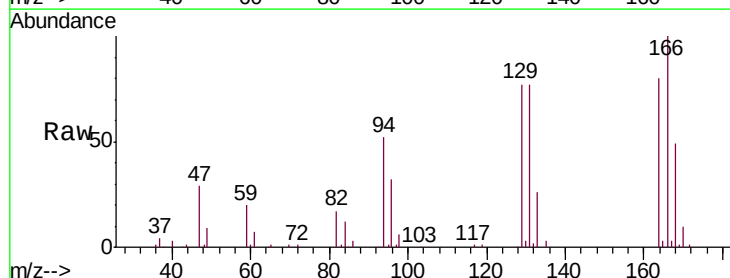
Ion Ratio Lower Upper

164 100

129 96.4 69.8 129.6

131 96.6 70.2 130.4

166 125.7 94.3 175.1

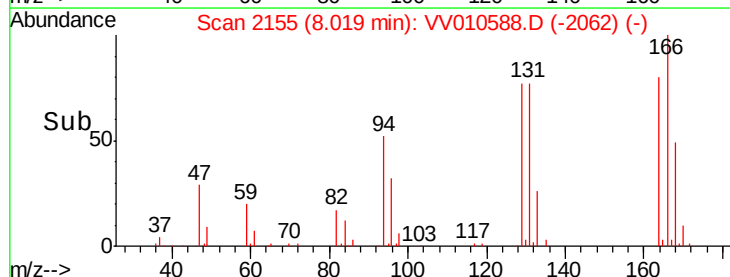
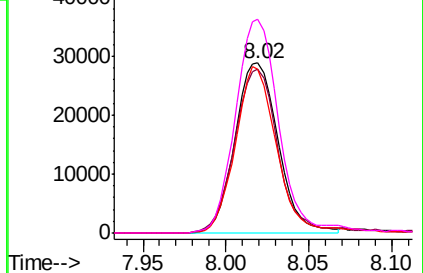


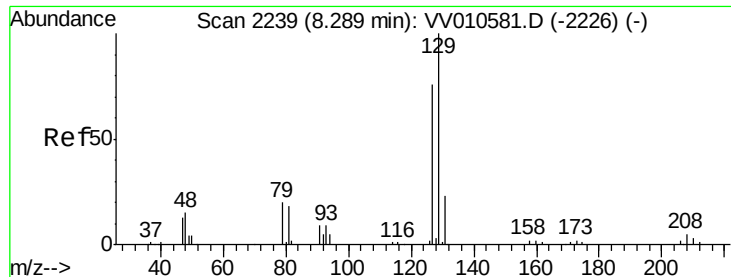
Abundance Ion 163.90 (163.60 to 164.60): VV010581.D (-2141) (-)

Ion 128.95 (128.65 to 129.65): VV010581.D (-2141) (-)

Ion 130.95 (130.65 to 131.65): VV010581.D (-2141) (-)

Ion 165.90 (165.60 to 166.60): VV010581.D (-2141) (-)





#49

Dibromochloromethane

Concen: 4.683 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV010588.D

Acq: 30 Apr 2019 21:40

Instrument :

MSVOA_V

ClientSampleId :

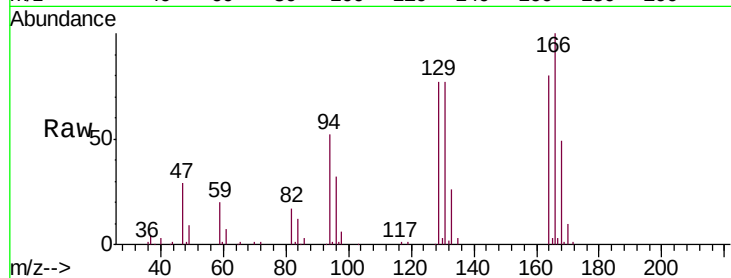
C0XA2

Tgt Ion:129 Resp: 46377

Ion Ratio Lower Upper

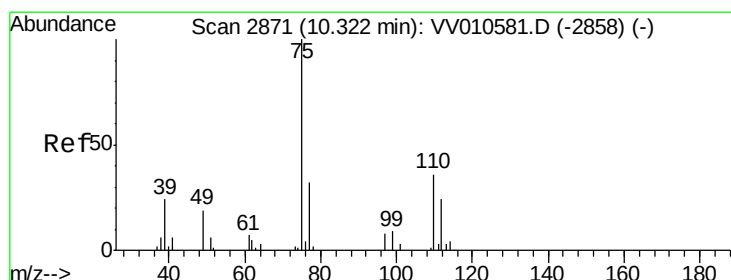
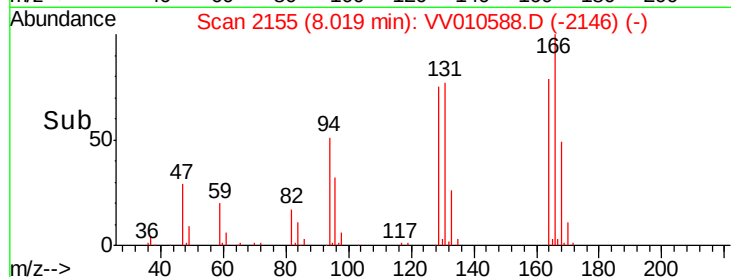
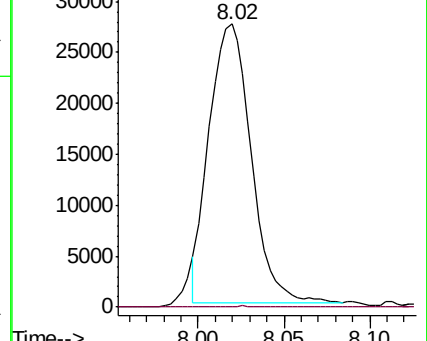
129 100

127 0.5 57.5 106.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.222 ug/L

RT: 10.05 min Scan# 2788

Delta R.T. -0.27 min

Lab File: VV010588.D

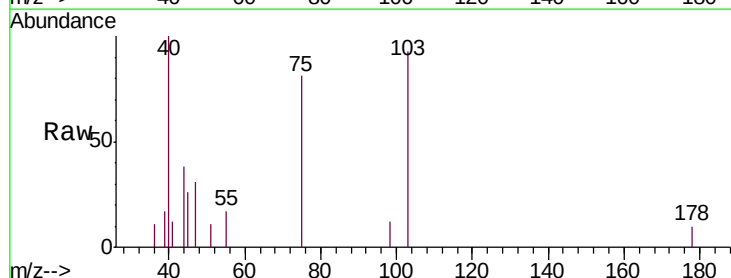
Acq: 30 Apr 2019 21:40

Tgt Ion: 75 Resp: 1617

Ion Ratio Lower Upper

75 100

77 1.5 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

