

Data File : VV010459.D
Acq On : 24 Apr 2019 13:45
Operator : SY/MD
Sample : K2428-20
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0X29

Quant Time: Apr 25 02:24:30 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	242170	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	239896	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	113107	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57794	4.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.80%
7) Chloroethane-d5	1.59	69	49175	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.13	63	90039	3.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.00%
20) 2-Butanone-d5	3.95	46	160185	53.52	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.04%
24) Chloroform-d	4.40	84	127663	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.09	65	75458	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.10	84	269507	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.12	67	78993	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.36	98	257711	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	7.67	79	27268	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
46) 2-Hexanone-d5	8.14	63	126039	49.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.68%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	63417	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	106795	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

					Qvalue
8) Chloroethane	1.62	64	755	0.081 ug/L #	50
9) Trichlorofluoromethane	1.77	101	124873	4.082 ug/L	99
13) Acetone	2.19	43	4097	2.275 ug/L	95
16) Methylene chloride	2.54	84	2848	0.179 ug/L	84
22) cis-1,2-Dichloroethene	3.96	96	2770	0.167 ug/L	72
25) Chloroform	4.43	83	14500	0.485 ug/L	97
31) Carbon tetrachloride	4.87	117	3497	0.138 ug/L	91
34) Trichloroethene	5.96	95	129636	7.326 ug/L	97
35) Methylcyclohexane	6.12	83	20853	0.785 ug/L #	20
37) 1,2-Dichloropropane	6.12	63	9940	0.668 ug/L #	86
47) Tetrachloroethene	8.02	164	136829	8.659 ug/L	94
49) Dibromochloromethane	8.02	129	115132	8.174 ug/L #	10
66) 1,2-Dibromo-3-chloropropan	12.30	75	347	0.192 ug/L #	1
67) 1,3,5-Trichlorobenzene	12.70	180	1795	0.062 ug/L #	85
68) 1,2,4-trichlorobenzene	13.32	180	2209	0.101 ug/L #	93
69) Naphthalene	13.57	128	2981	0.092 ug/L #	89
70) 1,2,3-Trichlorobenzene	13.80	180	1710	0.083 ug/L #	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042419\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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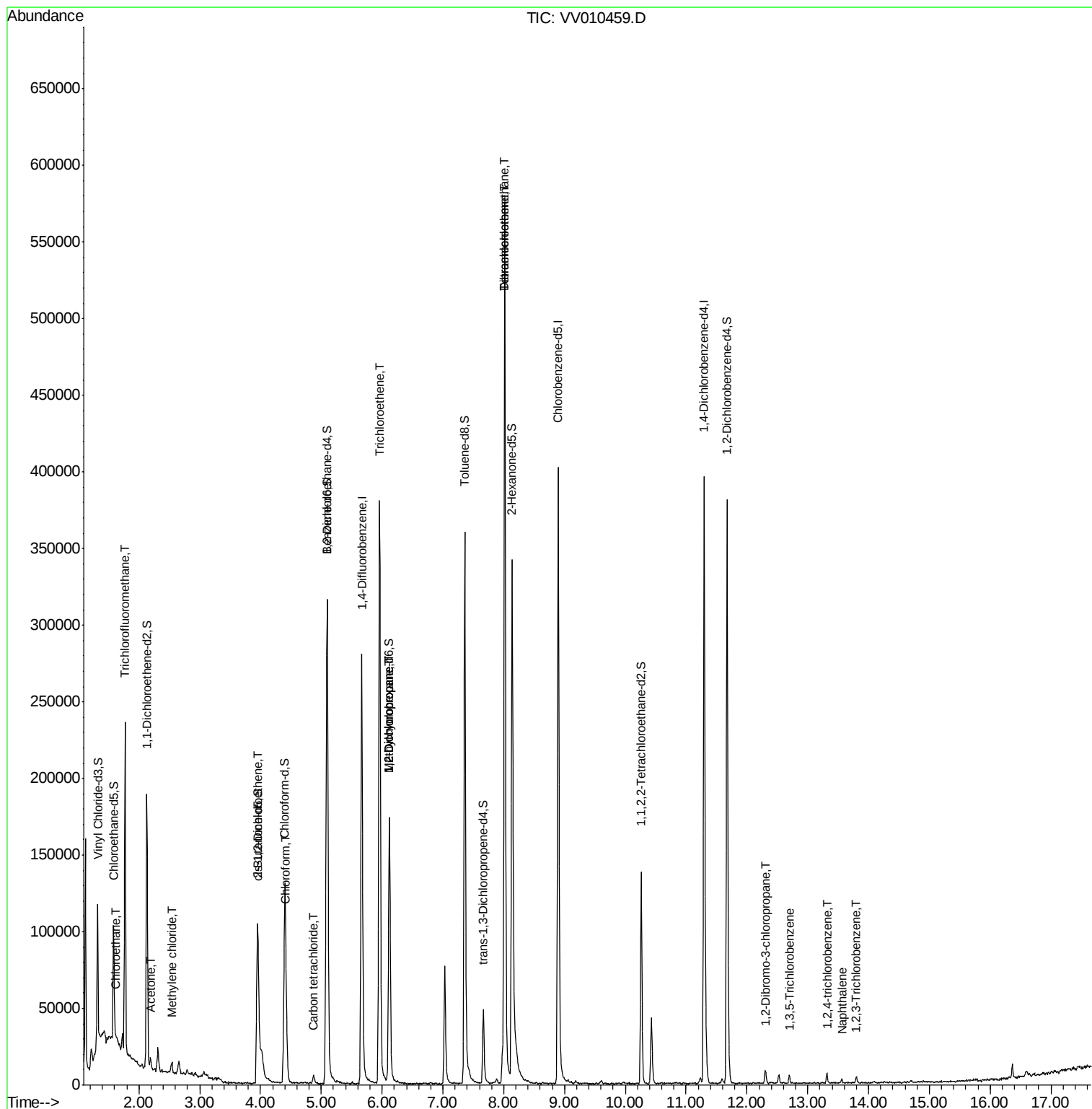
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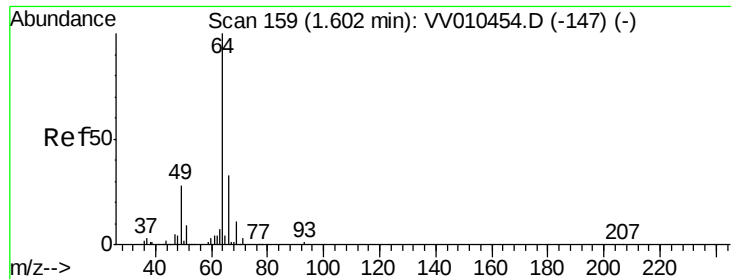
Data File : VV010459.D

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Acq On       : 24 Apr 2019   13:45
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Instrument :
MSVOA_V
ClientSampleId :
C0X29

Quant Time: Apr 25 02:24:30 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





#8

Chloroethane

Concen: 0.081 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.02 min

Lab File: VV010459.D

Acq: 24 Apr 2019 13:45

Instrument :

MSVOA_V

ClientSampleId :

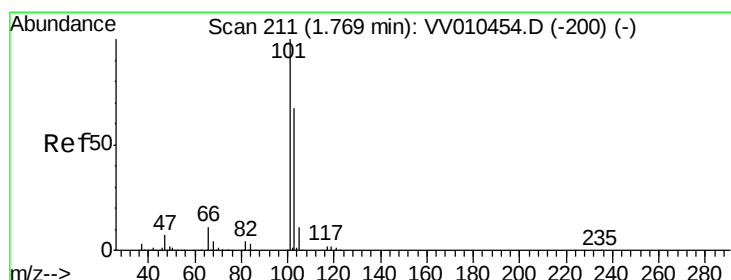
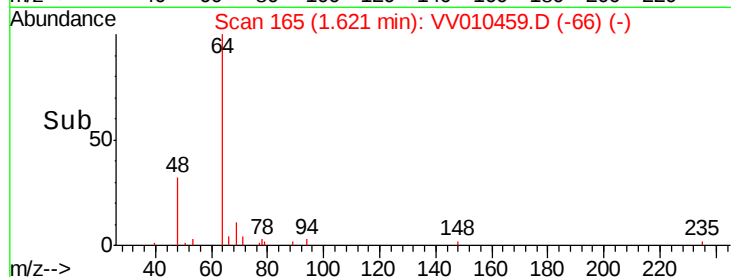
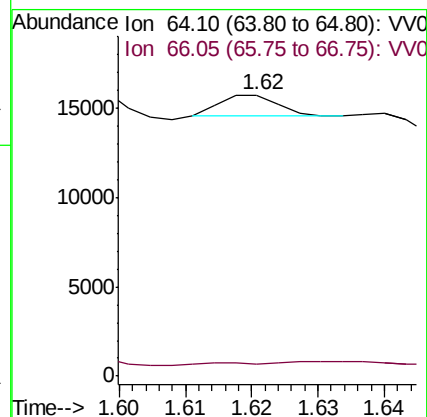
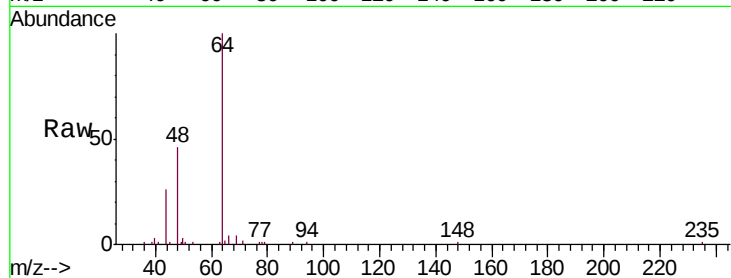
C0X29

Tgt Ion: 64 Resp: 755

Ion Ratio Lower Upper

64 100

66 4.2 22.5 41.9#



#9

Trichlorofluoromethane

Concen: 4.082 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV010459.D

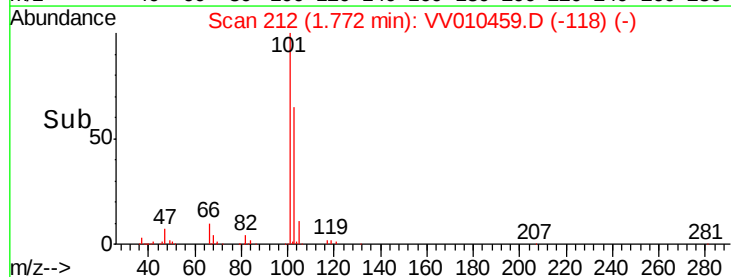
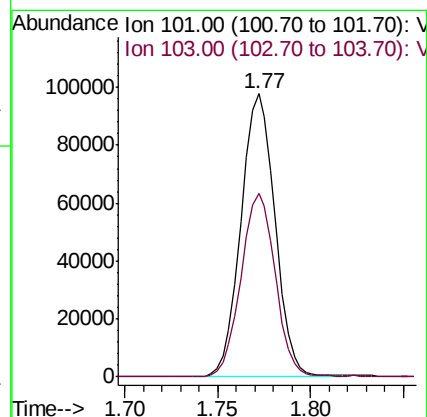
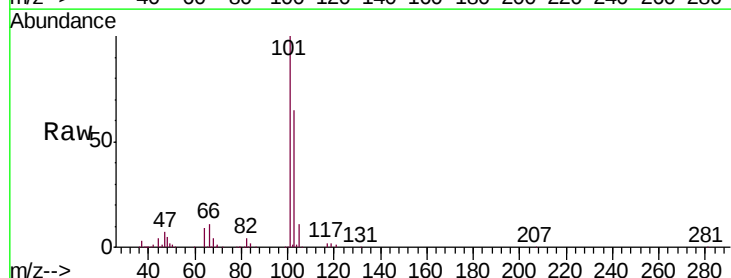
Acq: 24 Apr 2019 13:45

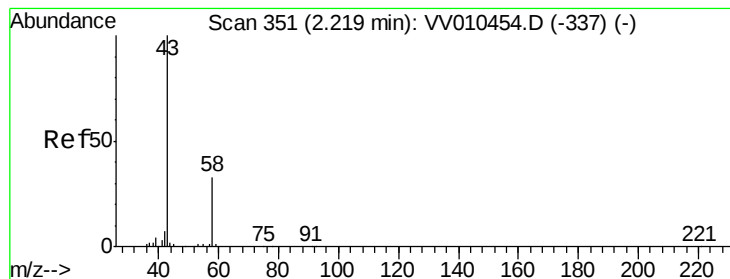
Tgt Ion: 101 Resp: 124873

Ion Ratio Lower Upper

101 100

103 65.3 52.6 78.8





#13

Acetone

Concen: 2.275 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.03 min

Lab File: VV010459.D

Acq: 24 Apr 2019 13:45

Instrument :

MSVOA_V

ClientSampled :

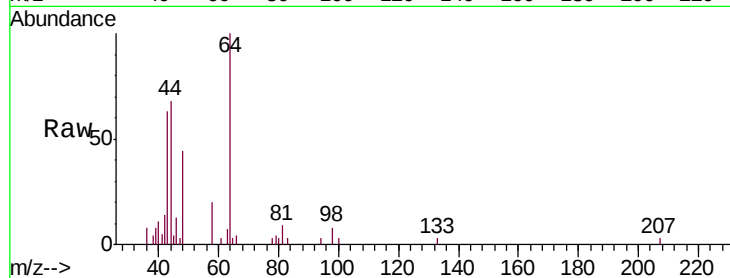
C0X29

Tgt Ion: 43 Resp: 4097

Ion Ratio Lower Upper

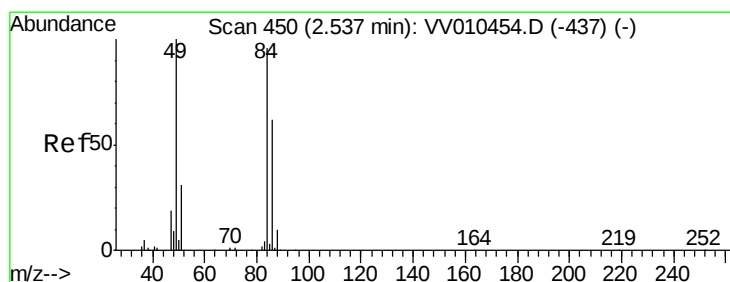
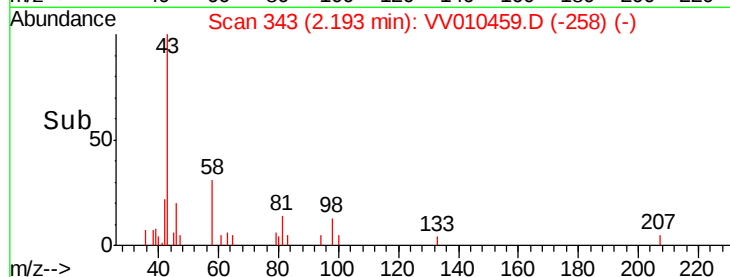
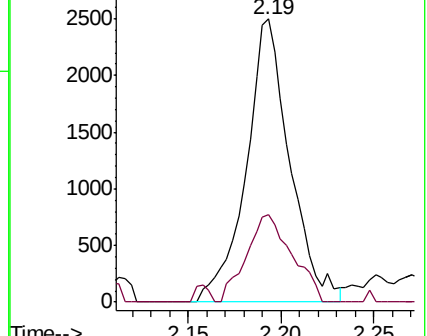
43 100

58 32.2 0.0 59.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#16

Methylene chloride

Concen: 0.179 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV010459.D

Acq: 24 Apr 2019 13:45

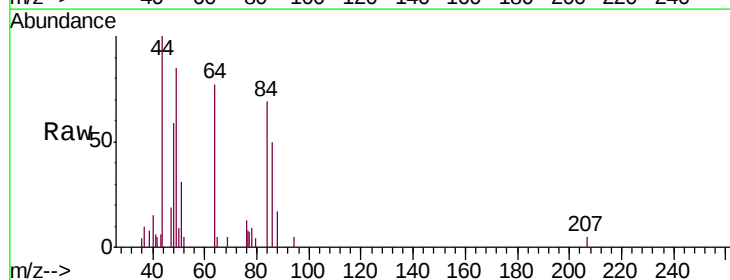
Tgt Ion: 84 Resp: 2848

Ion Ratio Lower Upper

84 100

86 72.3 44.7 83.1

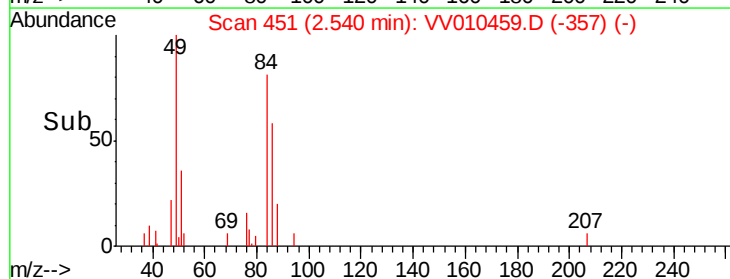
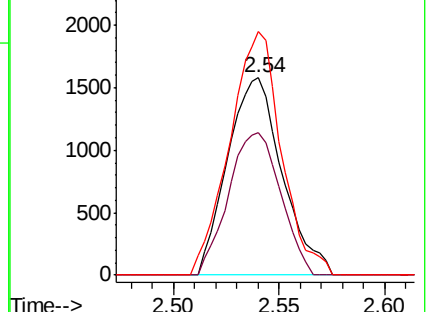
49 123.6 72.7 135.1

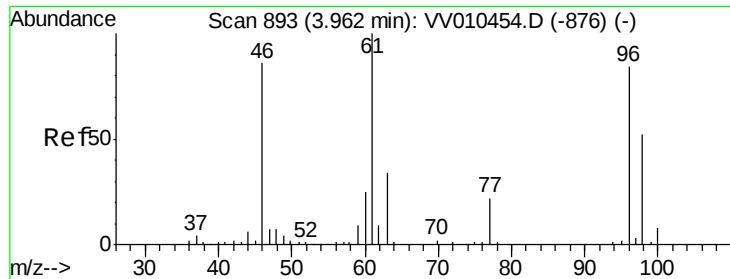


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

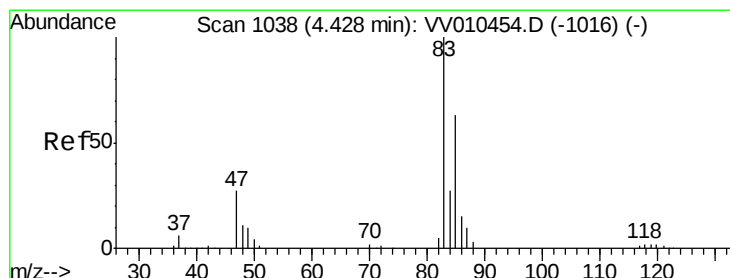
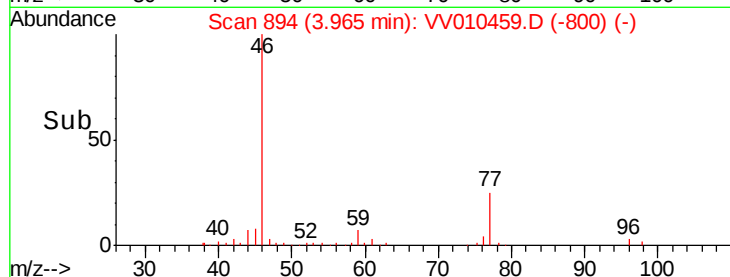
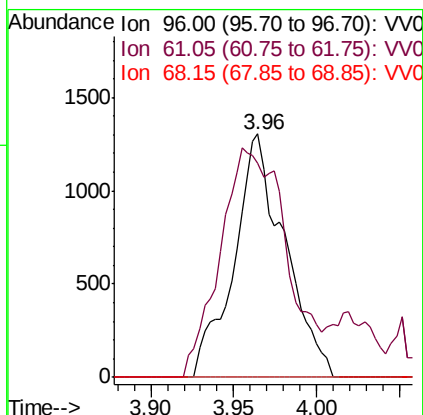
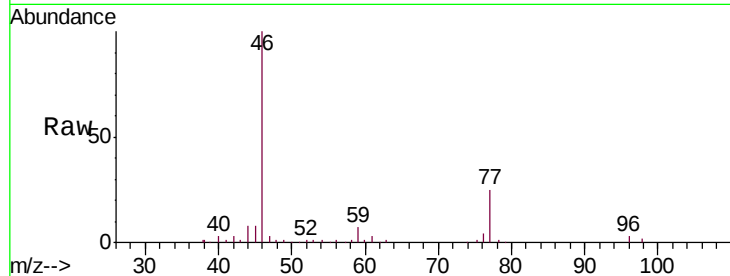




#22
 cis-1,2-Dichloroethene
 Concen: 0.167 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV010459.D
 Acq: 24 Apr 2019 13:45

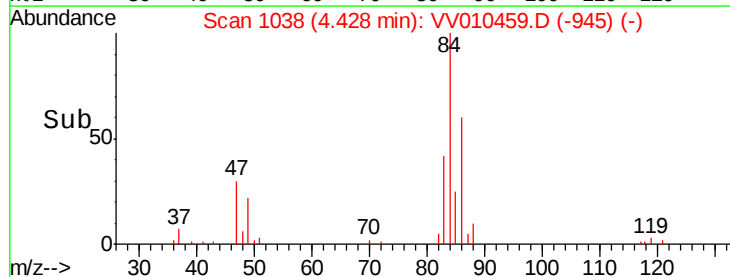
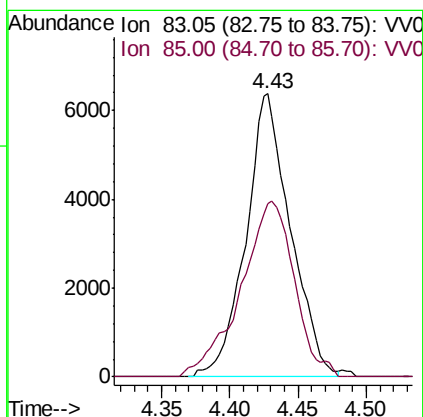
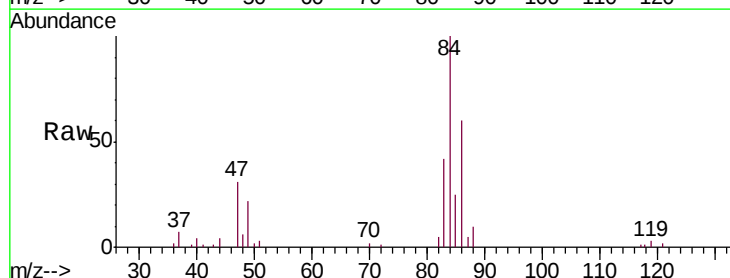
Instrument :
 MSVOA_V
 ClientSampleId :
 C0X29

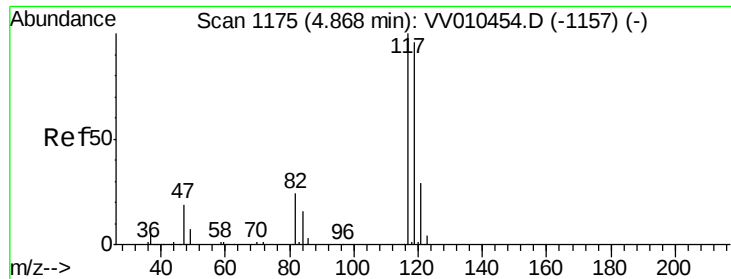
Tgt Ion: 96 Resp: 2770
 Ion Ratio Lower Upper
 96 100
 61 87.8 83.2 154.6
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.485 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VV010459.D
 Acq: 24 Apr 2019 13:45

Tgt Ion: 83 Resp: 14500
 Ion Ratio Lower Upper
 83 100
 85 61.1 44.3 82.3





#31

Carbon tetrachloride

Concen: 0.138 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV010459.D

Acq: 24 Apr 2019 13:45

Instrument :

MSVOA_V

ClientSampleId :

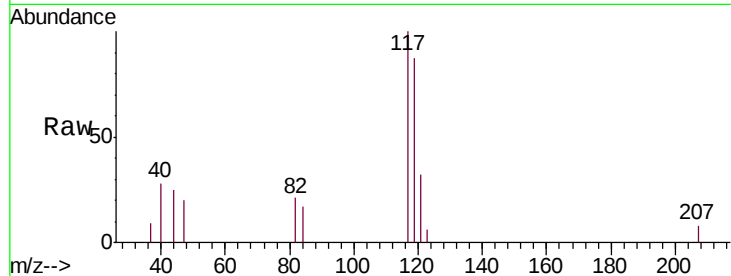
C0X29

Tgt Ion:117 Resp: 3497

Ion Ratio Lower Upper

117 100

119 86.4 76.5 114.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

1500

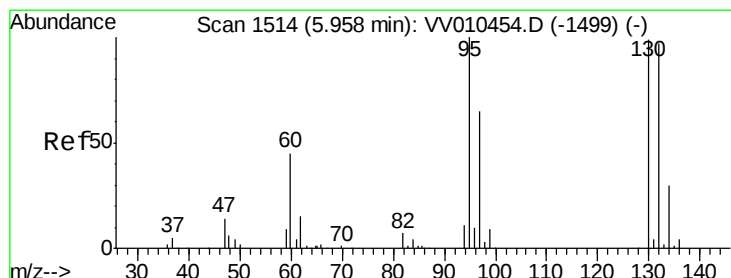
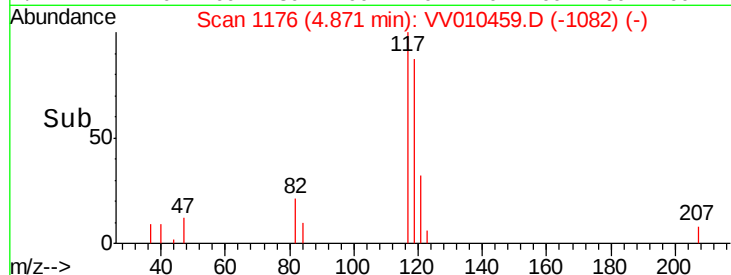
1000

500

0

Time-->

4.80 4.85 4.90



#34

Trichloroethene

Concen: 7.326 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV010459.D

Acq: 24 Apr 2019 13:45

Tgt Ion: 95 Resp: 129636

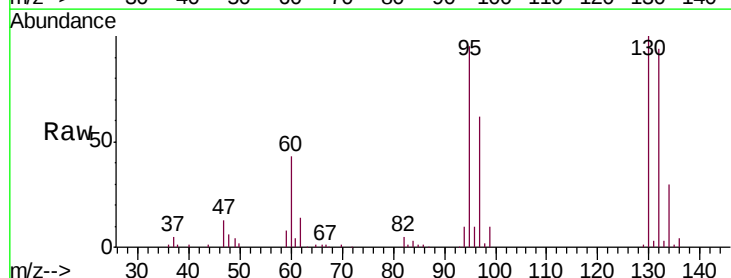
Ion Ratio Lower Upper

95 100

97 65.6 45.6 84.6

132 98.4 67.8 126.0

130 105.1 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

100000

80000

60000

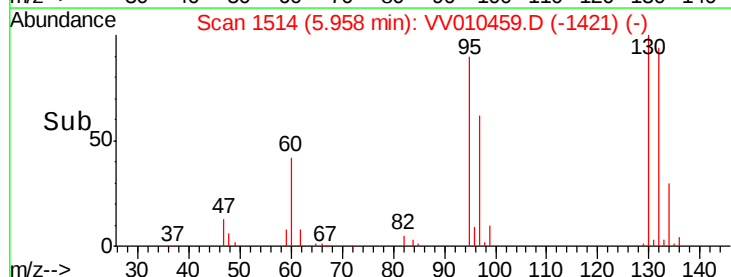
40000

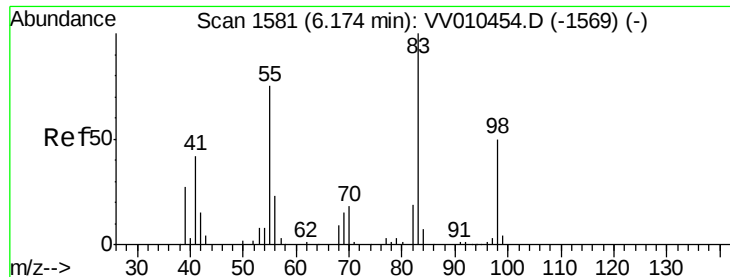
20000

0

Time-->

5.85 5.90 5.95 6.00 6.05





#35

Methylcyclohexane

Concen: 0.785 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV010459.D

Acq: 24 Apr 2019 13:45

Instrument :

MSVOA_V

ClientSampleId :

C0X29

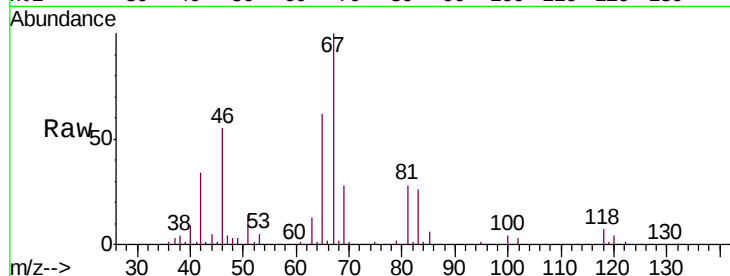
Tgt Ion: 83 Resp: 20853

Ion Ratio Lower Upper

83 100

55 0.1 57.8 86.6#

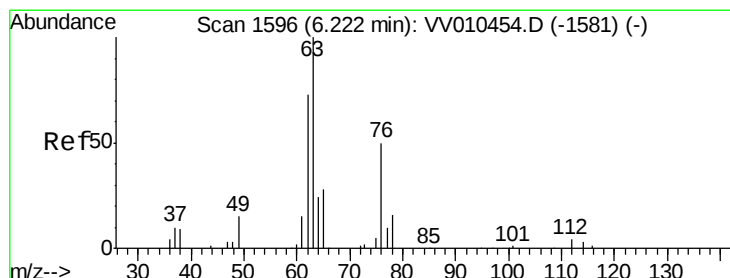
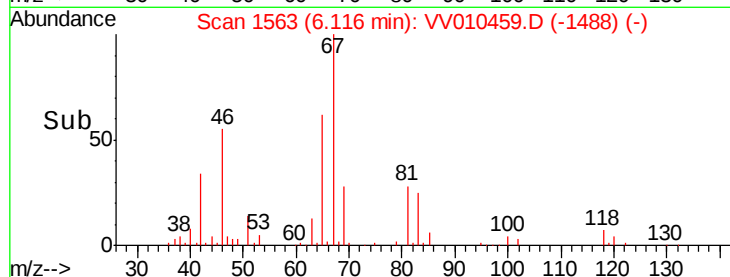
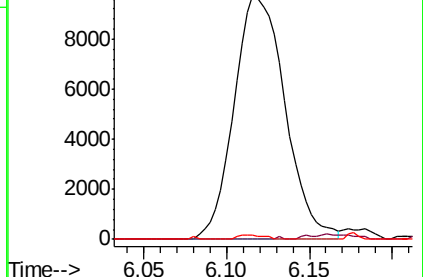
98 0.9 38.8 58.2#



Abundance Ion 83.15 (82.85 to 83.85): VV010459.D (-1569) (-)

Ion 55.10 (54.80 to 55.80): VV010459.D (-1569) (-)

Ion 98.15 (97.85 to 98.85): VV010459.D (-1569) (-)



#37

1,2-Dichloropropane

Concen: 0.668 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV010459.D

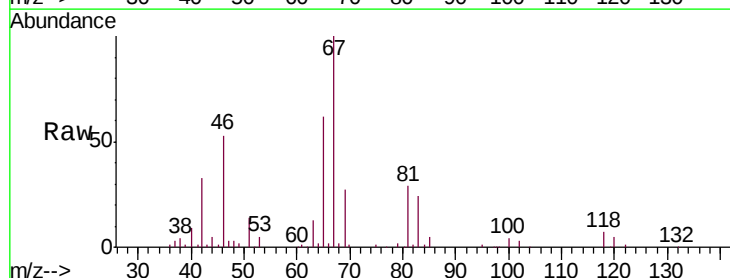
Acq: 24 Apr 2019 13:45

Tgt Ion: 63 Resp: 9940

Ion Ratio Lower Upper

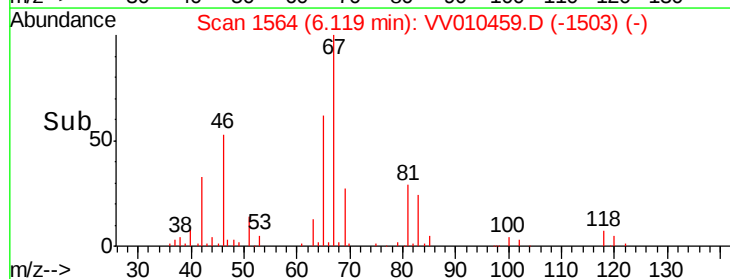
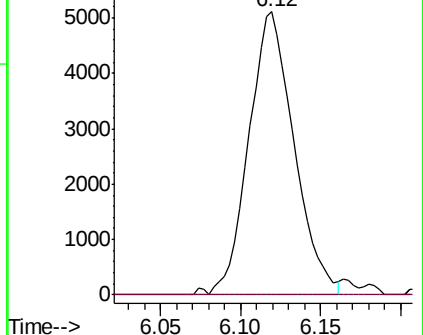
63 100

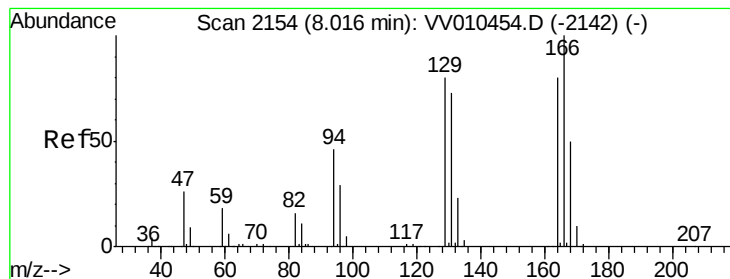
112 0.0 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VV010459.D (-1503) (-)

Ion 112.10 (111.80 to 112.80): VV010459.D (-1503) (-)





#47

Tetrachloroethene

Concen: 8.659 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV010459.D

Acq: 24 Apr 2019 13:45

Instrument :

MSVOA_V

ClientSampleId :

C0X29

Tgt Ion:164 Resp: 136829

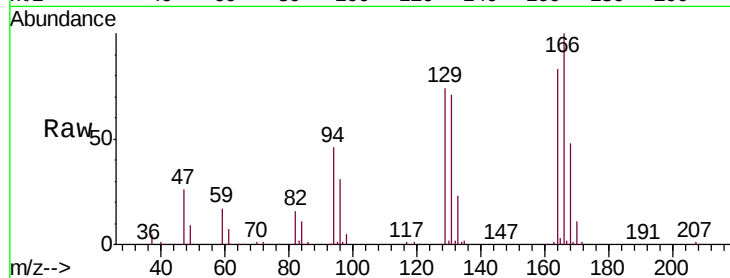
Ion Ratio Lower Upper

164 100

129 89.7 69.7 129.4

131 85.5 63.8 118.6

166 121.0 87.4 162.2

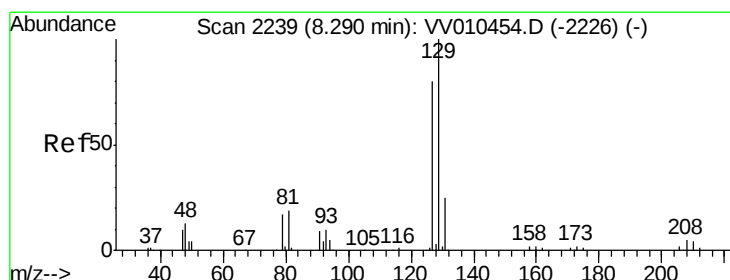
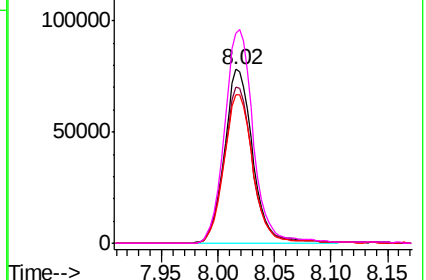
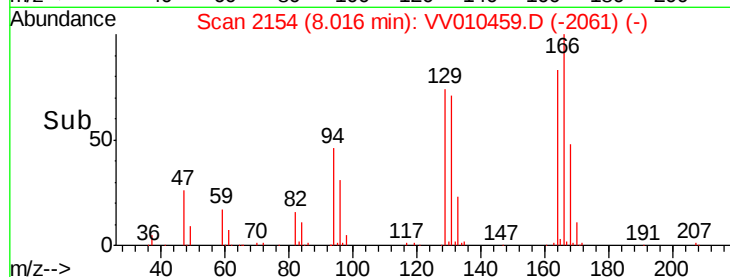


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 8.174 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV010459.D

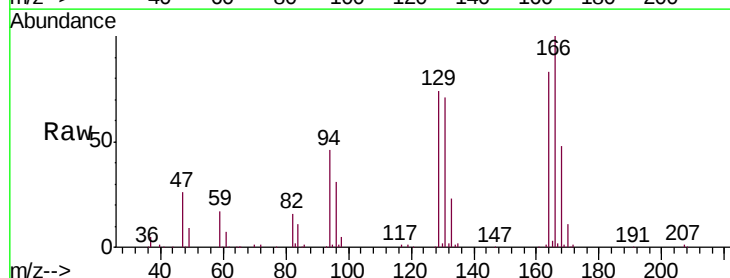
Acq: 24 Apr 2019 13:45

Tgt Ion:129 Resp: 115132

Ion Ratio Lower Upper

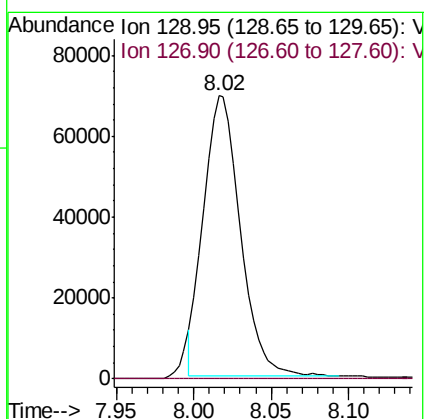
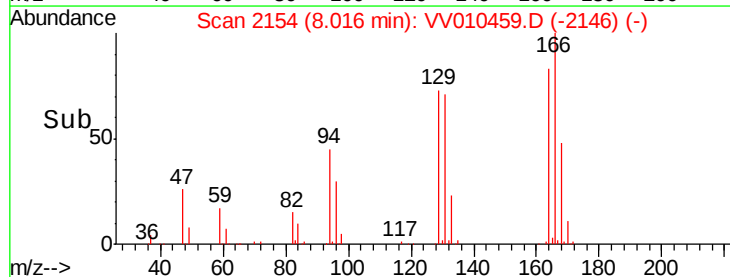
129 100

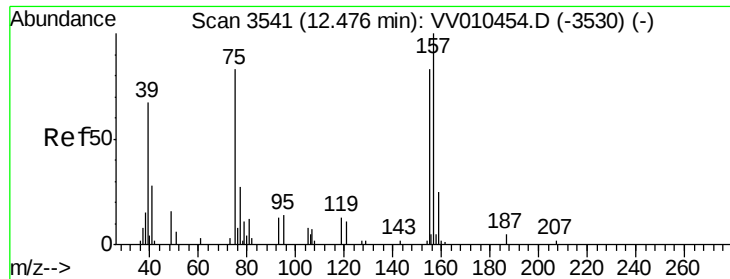
127 0.3 56.1 104.1#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

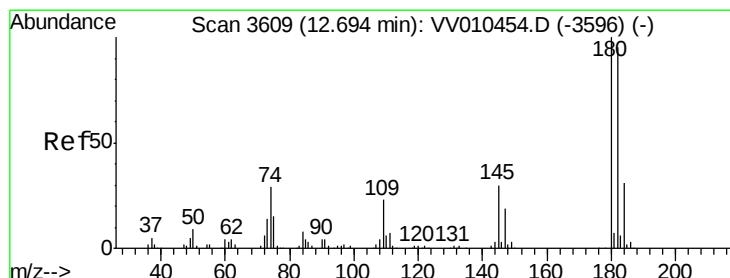
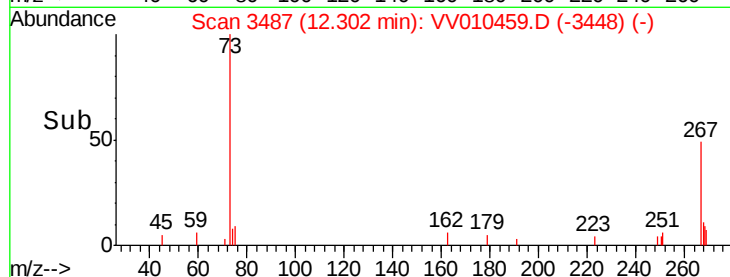
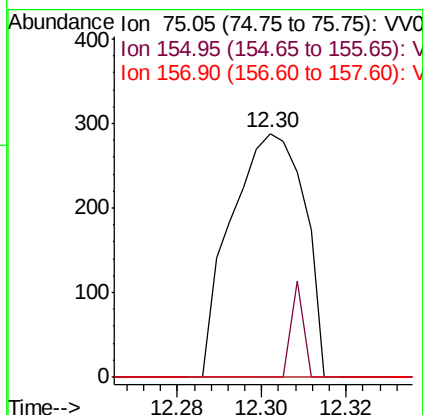
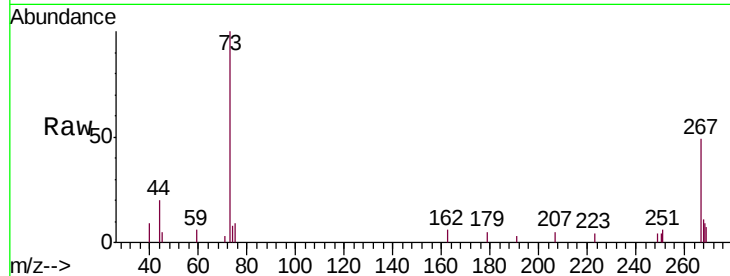




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.192 ug/L
 RT: 12.30 min Scan# 3487
 Delta R.T. -0.17 min
 Lab File: VV010459.D
 Acq: 24 Apr 2019 13:45

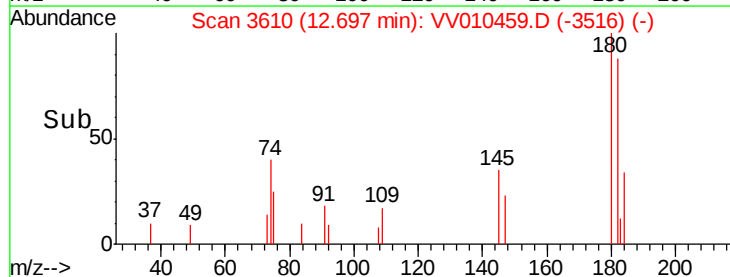
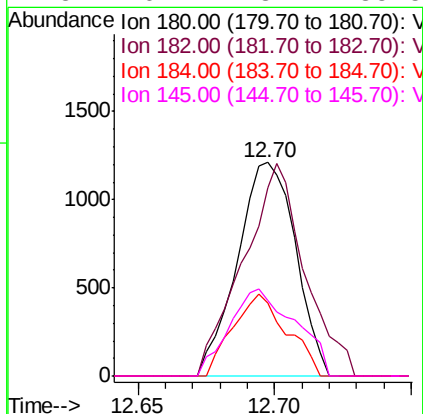
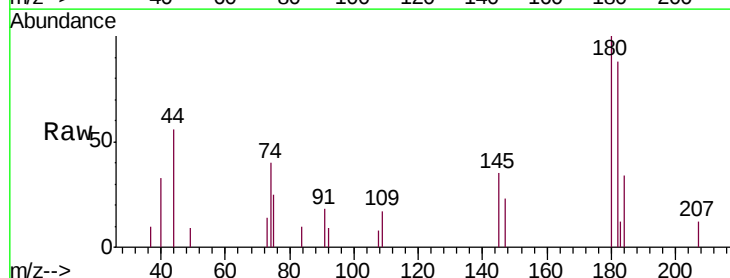
Instrument :
 MSVOA_V
 ClientSampleId :
 C0X29

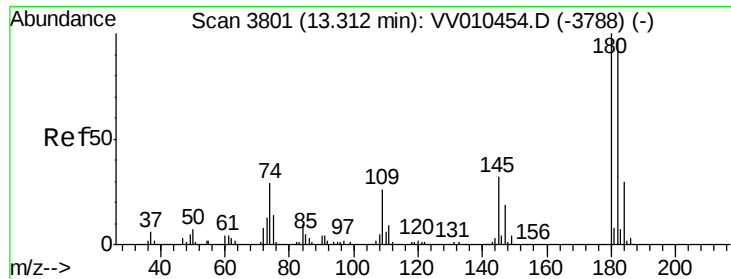
Tgt Ion: 75 Resp: 347
 Ion Ratio Lower Upper
 75 100
 155 0.0 80.3 120.5#
 157 0.0 96.7 145.1#



#67
 1,3,5-Trichlorobenzene
 Concen: 0.062 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV010459.D
 Acq: 24 Apr 2019 13:45

Tgt Ion: 180 Resp: 1795
 Ion Ratio Lower Upper
 180 100
 182 104.7 74.8 112.2
 184 35.8 24.0 36.0
 145 46.2 23.7 35.5#





#68

1,2,4-trichlorobenzene

Concen: 0.101 ug/L

RT: 13.32 min Scan# 3803

Delta R.T. 0.01 min

Lab File: VV010459.D

Acq: 24 Apr 2019 13:45

Instrument :

MSVOA_V

ClientSampleId :

C0X29

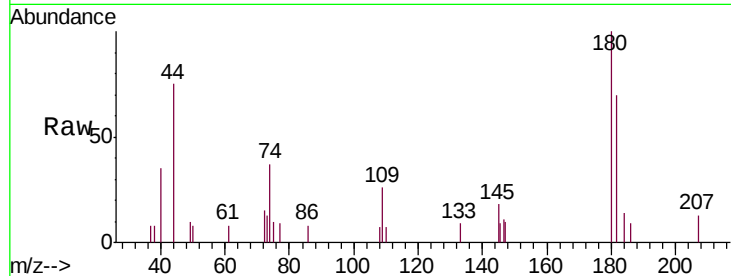
Tgt Ion:180 Resp: 2209

Ion Ratio Lower Upper

180 100

182 90.4 76.3 114.5

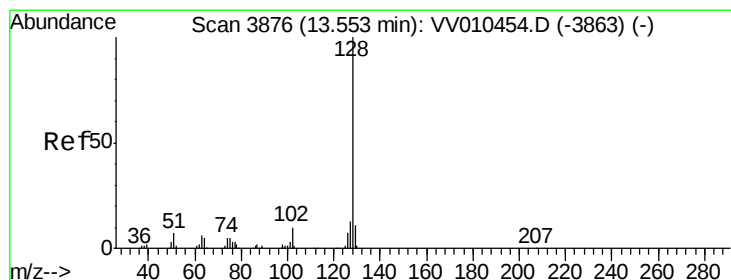
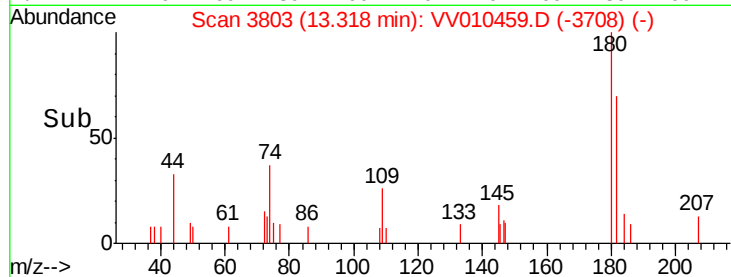
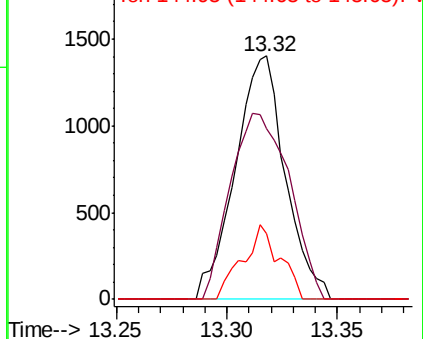
145 22.7 24.5 36.7#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V



#69

Naphthalene

Concen: 0.092 ug/L

RT: 13.57 min Scan# 3880

Delta R.T. 0.01 min

Lab File: VV010459.D

Acq: 24 Apr 2019 13:45

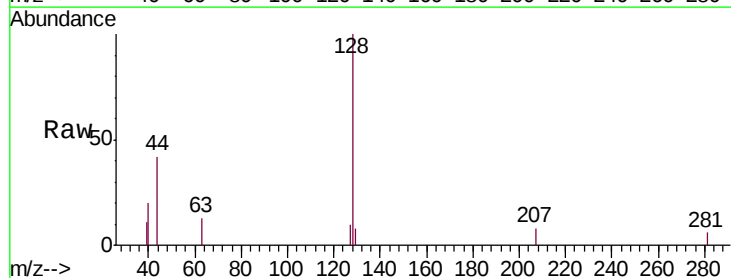
Tgt Ion:128 Resp: 2981

Ion Ratio Lower Upper

128 100

129 5.8 8.7 13.1#

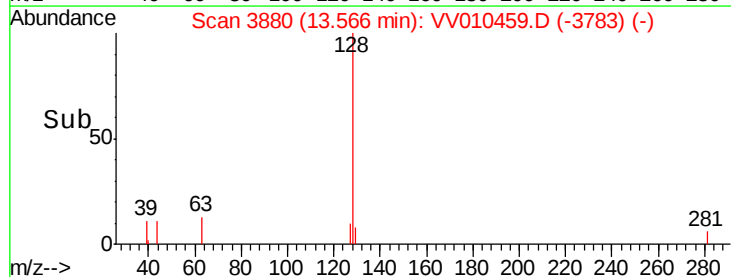
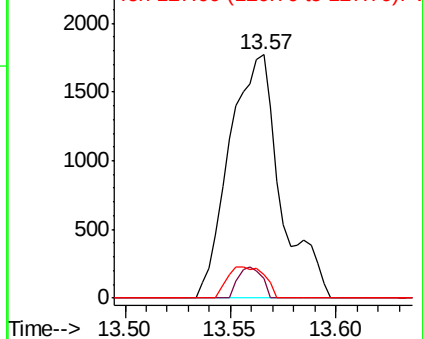
127 9.4 10.3 15.5#

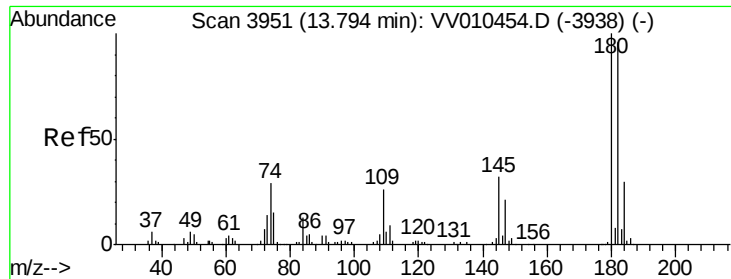


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 0.083 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV010459.D
 Acq: 24 Apr 2019 13:45

Instrument :
 MSVOA_V
 ClientSampleId :
 C0X29

Tgt Ion:180 Resp: 1710
 Ion Ratio Lower Upper
 180 100
 182 91.8 76.9 115.3
 145 19.8 25.4 38.0#

