

Data File : VV012610.D
Acq On : 06 Sep 2019 20:53
Operator : SY/MD
Sample : K4703-09
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD92

Quant Time: Sep 07 01:10:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 07 01:06:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	90006	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	93757	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	30080	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39639	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	1.58	69	41832	5.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.60%
11) 1,1-Dichloroethene-d2	2.13	63	72736	3.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.80%
20) 2-Butanone-d5	3.93	46	126435	77.02	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	154.04%#
24) Chloroform-d	4.40	84	59432	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.08	65	45053	6.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	134.80%#
32) Benzene-d6	5.10	84	119242	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.12	67	43612	5.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.60%
41) Toluene-d8	7.36	98	87535	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	7.67	79	12454	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.13	63	69757	68.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	136.54%#
57) 1,1,2,2-Tetrachloroethane-	10.26	84	37970	7.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	141.00%#
64) 1,2-Dichlorobenzene-d4	11.67	152	28398	5.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	1454	0.154 ug/L	96
3) Chloromethane	1.25	50	1506	0.117 ug/L	88
6) Bromomethane	1.53	94	723	0.090 ug/L	84
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	907	0.081 ug/L #	34
12) 1,1-Dichloroethene	2.14	96	10108	0.943 ug/L #	1
13) Acetone	2.19	43	6521	3.274 ug/L	85
16) Methylene chloride	2.53	84	1300	0.105 ug/L	90
17) Methyl tert-butyl Ether	2.80	73	1762	0.102 ug/L #	91
19) 1,1-Dichloroethane	3.23	63	1820	0.111 ug/L #	90
22) cis-1,2-Dichloroethene	3.96	96	1641	0.195 ug/L	92
25) Chloroform	4.43	83	10324	0.583 ug/L	97
27) 1,2-Dichloroethane	5.18	62	713	0.067 ug/L #	76
29) 1,1,1-Trichloroethane	4.66	97	3704	0.269 ug/L	90
34) Trichloroethene	5.96	95	69887	7.391 ug/L	97
39) cis-1,3-Dichloropropene	7.03	75	1335	0.114 ug/L #	74
47) Tetrachloroethene	8.02	164	34866	5.058 ug/L	98
48) 2-Hexanone	8.18	43	11955	3.194 ug/L #	82

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090619\
Quantitation Report (Not Reviewed)

Data File : VV012610.D
Acq On : 06 Sep 2019 20:53
Operator : SY/MD
Sample : K4703-09
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD92

Quant Time: Sep 07 01:10:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 07 01:06:07 2019
Response via : Initial Calibration

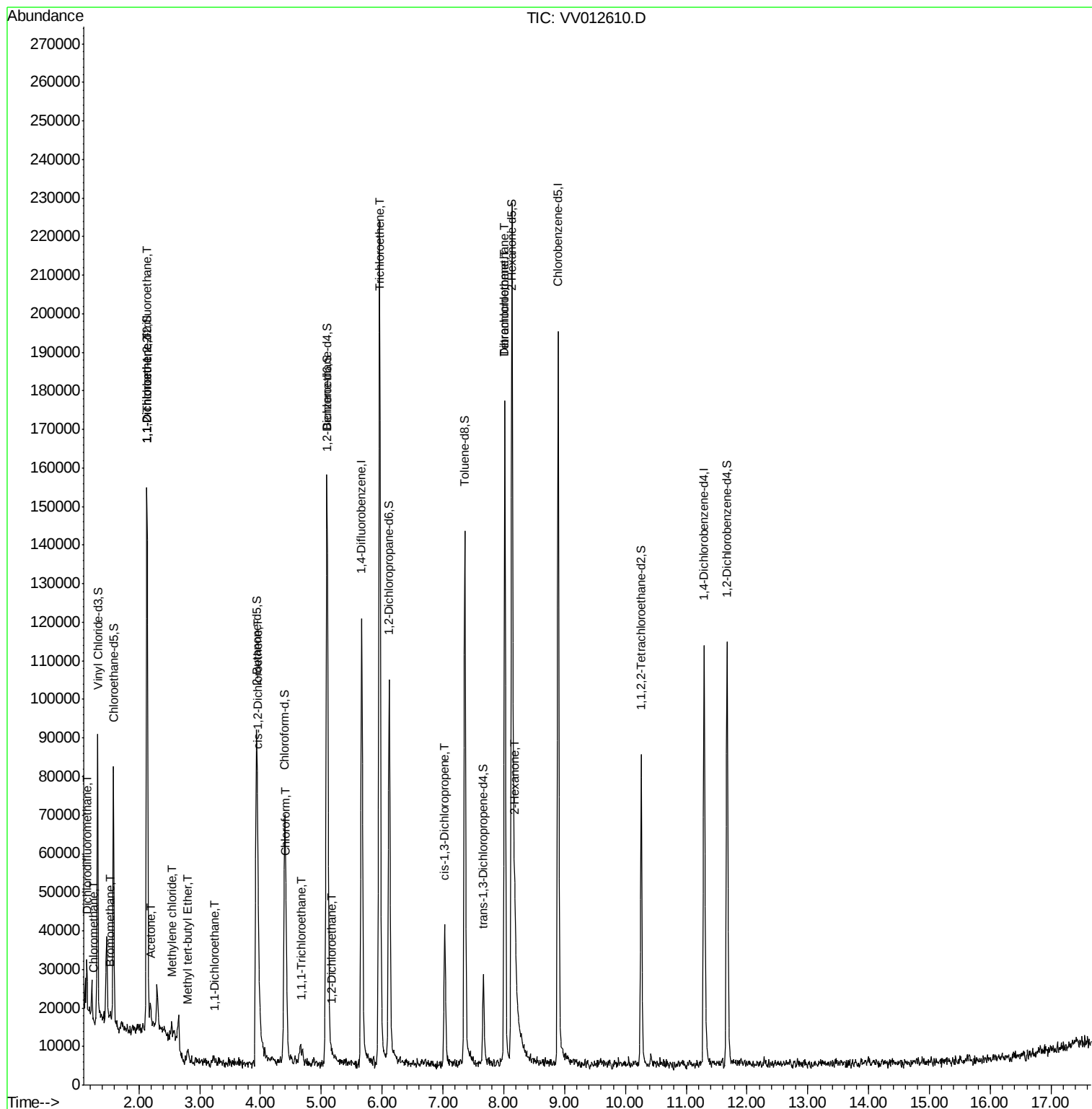
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
49) Dibromochloromethane	8.02	129	30687	4.489	ug/L #	12
-----	-----	-----	-----	-----	-----	-----

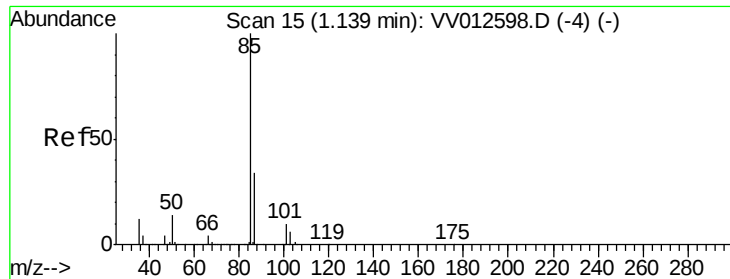
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV012610.D
Acq On : 06 Sep 2019 20:53
Operator : SY/MD
Sample : K4703-09
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD92

Quant Time: Sep 07 01:10:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 07 01:06:07 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.154 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012610.D

Acq: 06 Sep 2019 20:53

Instrument :

MSVOA_V

ClientSampled :

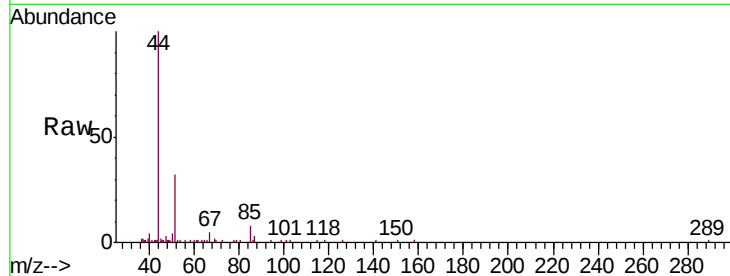
BFD92

Tgt Ion: 85 Resp: 1454

Ion Ratio Lower Upper

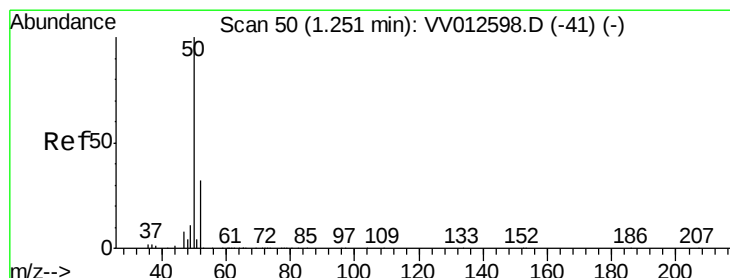
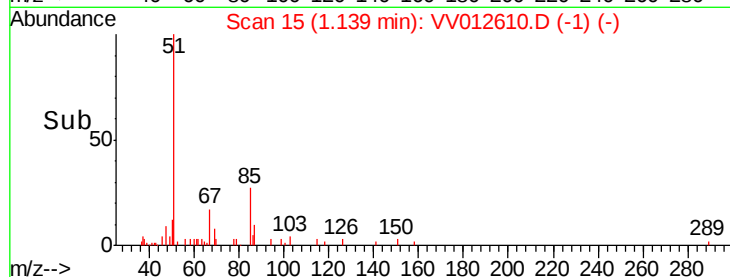
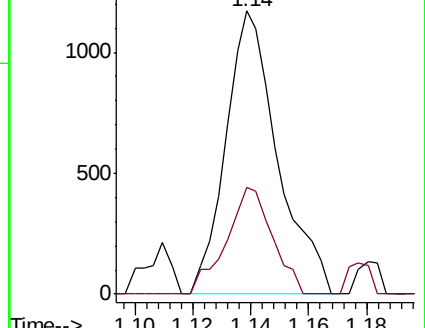
85 100

87 33.5 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV012598.D (-4) (-)

Ion 87.00 (86.70 to 87.70): VV012598.D (-4) (-)



#3

Chloromethane

Concen: 0.117 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012610.D

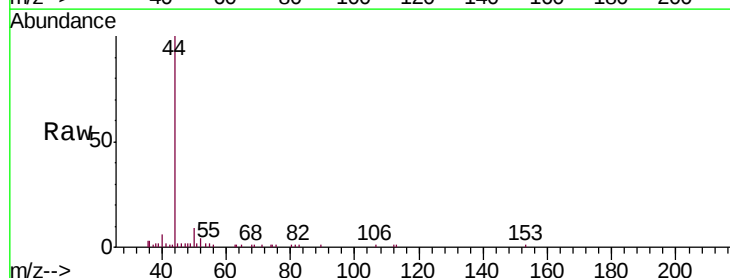
Acq: 06 Sep 2019 20:53

Tgt Ion: 50 Resp: 1506

Ion Ratio Lower Upper

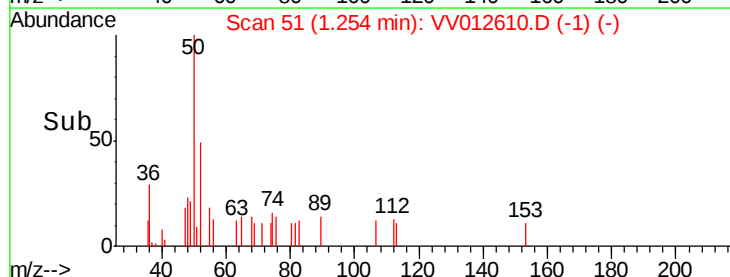
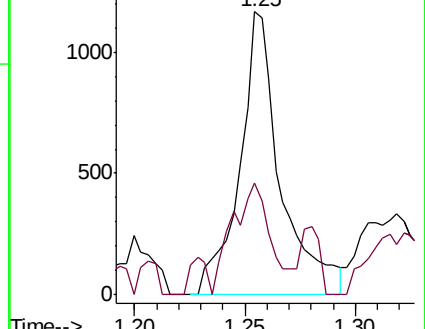
50 100

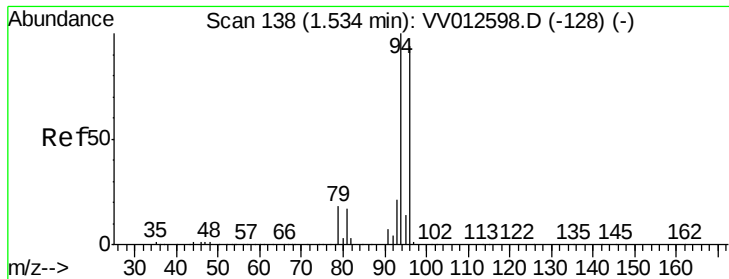
52 39.4 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV012598.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV012598.D (-41) (-)





#6

Bromomethane

Concen: 0.090 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012610.D

Acq: 06 Sep 2019 20:53

Instrument :

MSVOA_V

ClientSampled :

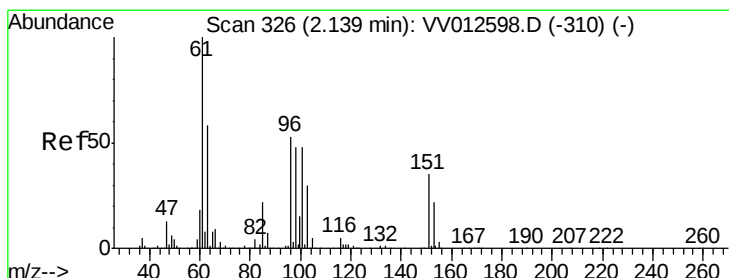
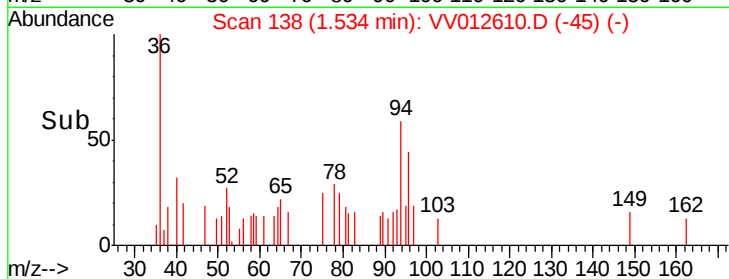
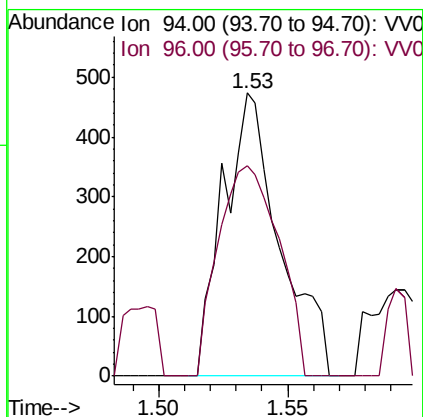
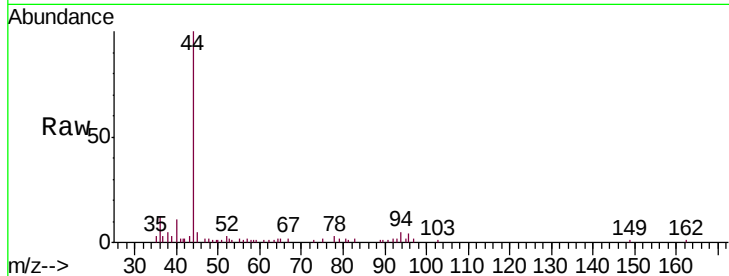
BFD92

Tgt Ion: 94 Resp: 723

Ion Ratio Lower Upper

94 100

96 74.2 62.6 116.3



#10

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

Concen: 0.081 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV012610.D

Acq: 06 Sep 2019 20:53

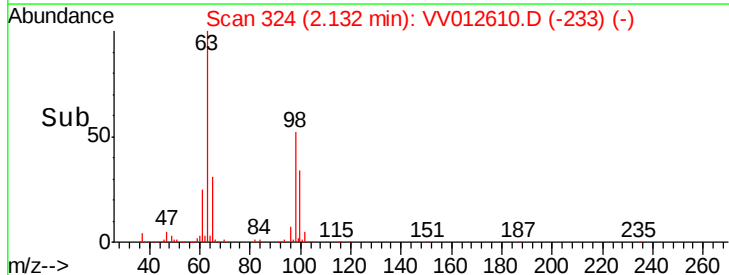
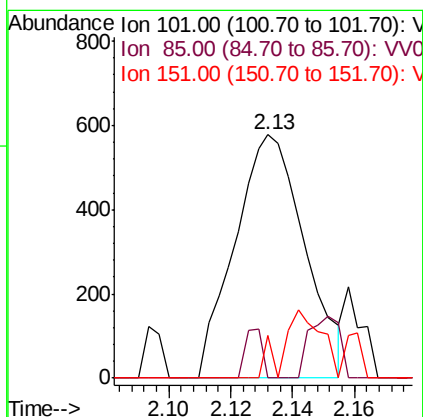
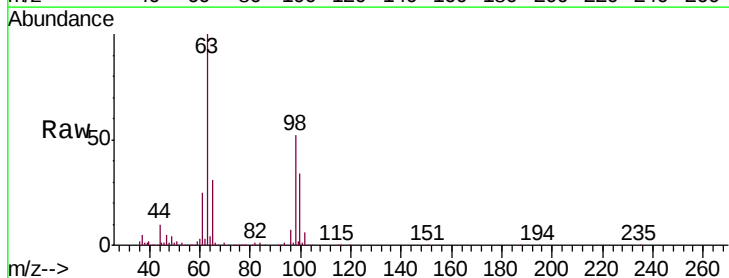
Tgt Ion: 101 Resp: 907

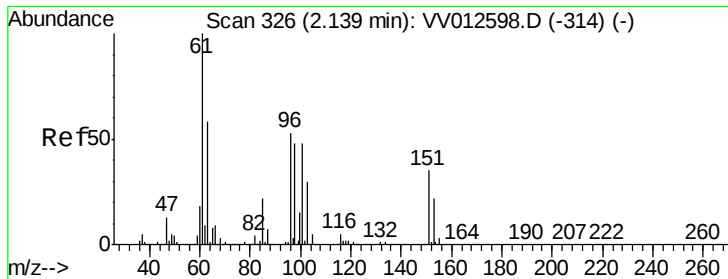
Ion Ratio Lower Upper

101 100

85 5.0 37.4 56.0#

151 15.4 58.2 87.4#





#12

1,1-Dichloroethene

Concen: 0.943 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012610.D

Acq: 06 Sep 2019 20:53

Instrument :

MSVOA_V

ClientSampleId :

BFD92

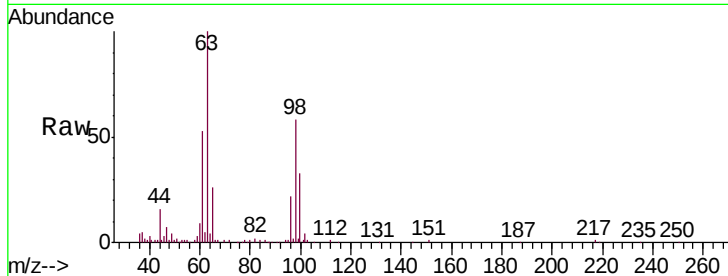
Tgt Ion: 96 Resp: 10108

Ion Ratio Lower Upper

96 100

61 237.9 132.7 246.5

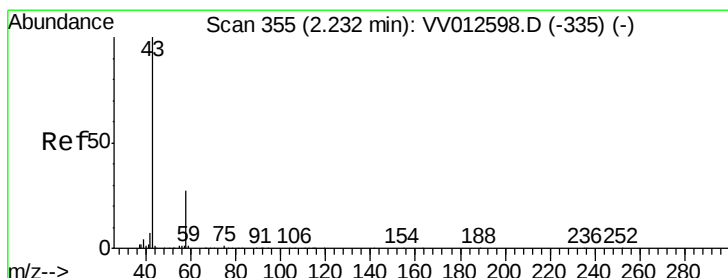
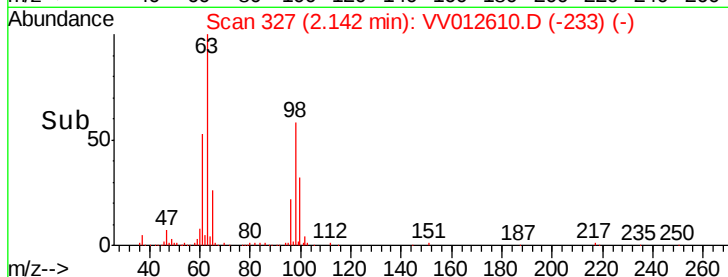
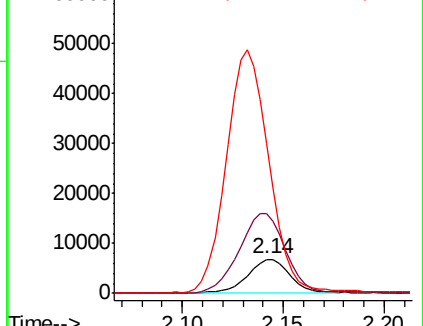
63 445.9 84.1 156.1#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



#13

Acetone

Concen: 3.274 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.05 min

Lab File: VV012610.D

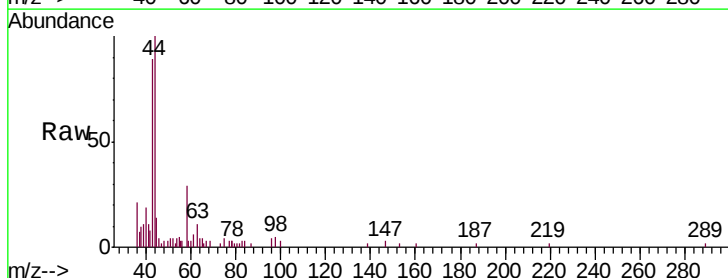
Acq: 06 Sep 2019 20:53

Tgt Ion: 43 Resp: 6521

Ion Ratio Lower Upper

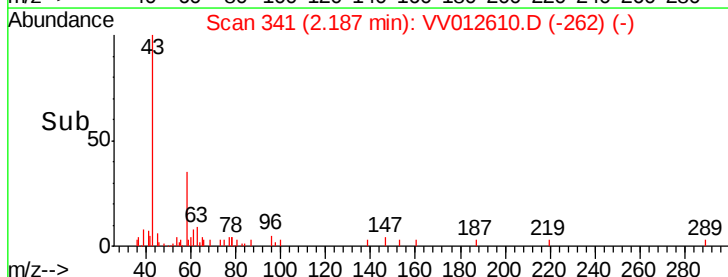
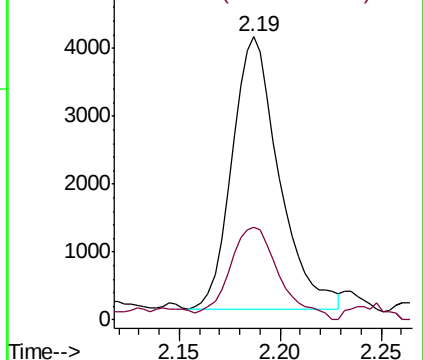
43 100

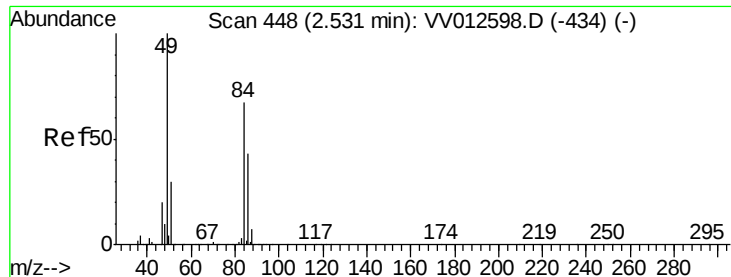
58 36.4 0.0 57.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

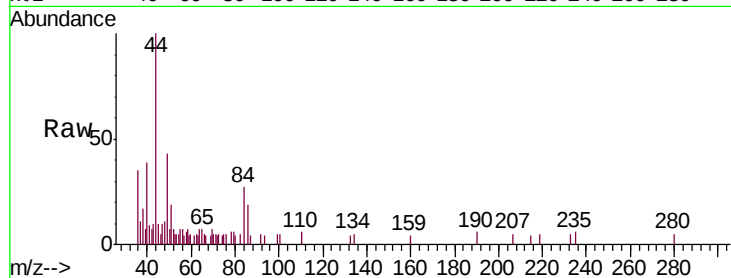




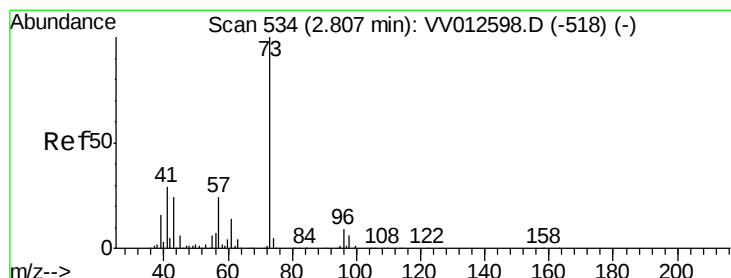
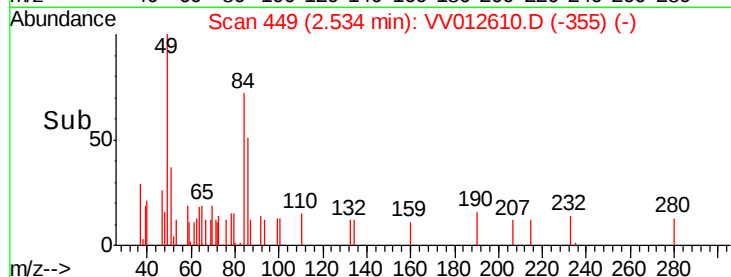
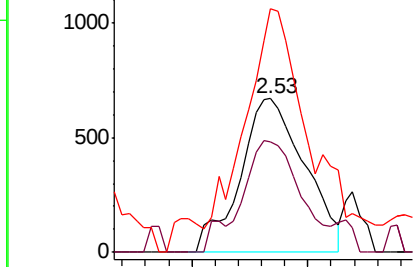
#16
Methylene chloride
Concen: 0.105 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012610.D
Acq: 06 Sep 2019 20:53

Instrument :
MSVOA_V
ClientSampleId :
BFD92

Tgt Ion: 84 Resp: 1300
Ion Ratio Lower Upper
84 100
86 71.9 43.6 81.0
49 158.6 103.0 191.2

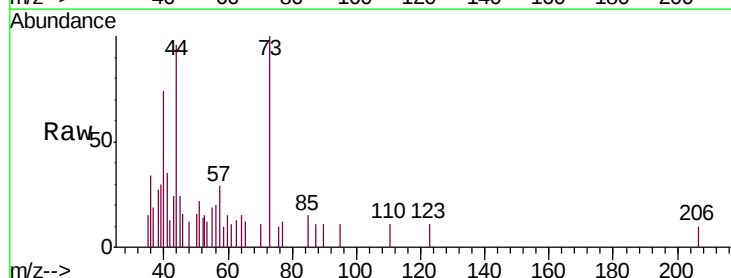


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

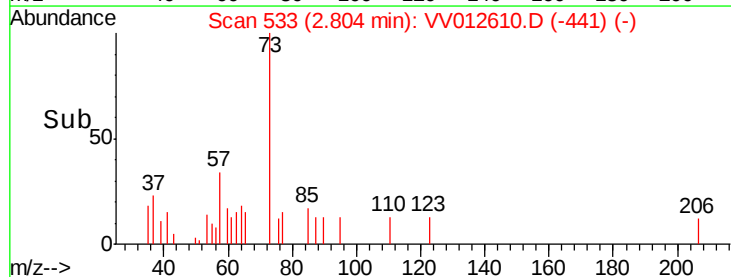
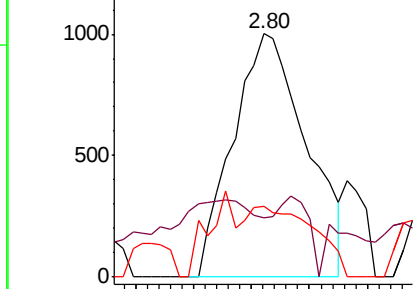


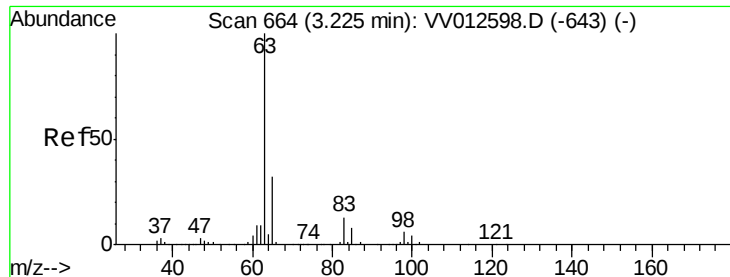
#17
Methyl tert-butyl Ether
Concen: 0.102 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV012610.D
Acq: 06 Sep 2019 20:53

Tgt Ion: 73 Resp: 1762
Ion Ratio Lower Upper
73 100
43 15.7 18.9 28.3#
57 24.7 18.9 28.3



Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0





#19

1,1-Dichloroethane

Concen: 0.111 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV012610.D

Acq: 06 Sep 2019 20:53

Instrument :

MSVOA_V

ClientSampled :

BFD92

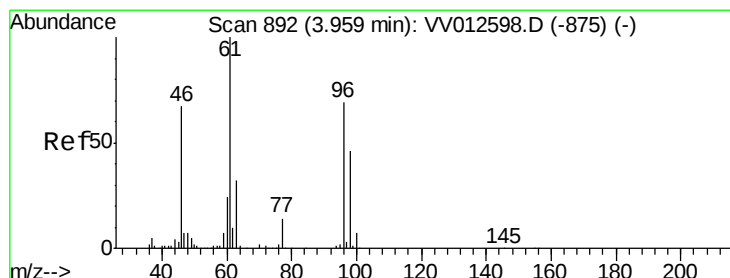
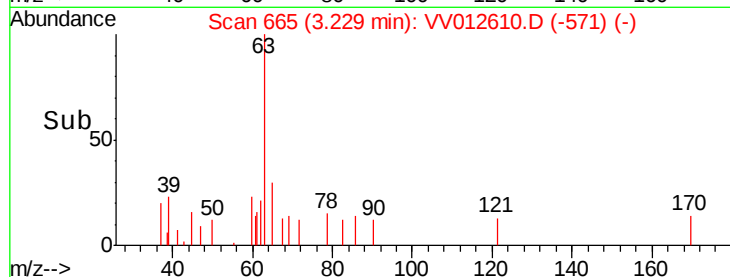
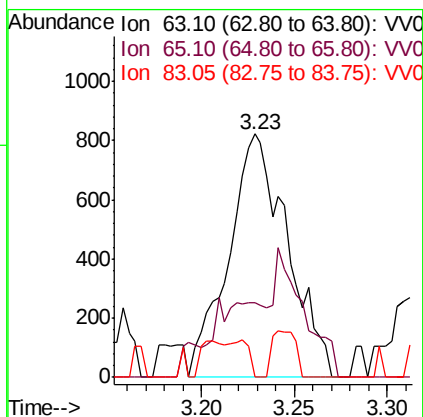
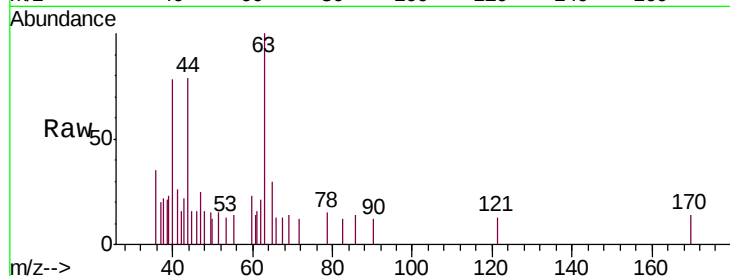
Tgt Ion: 63 Resp: 1820

Ion Ratio Lower Upper

63 100

65 30.5 20.9 38.9

83 0.0 8.8 16.3#



#22

cis-1,2-Dichloroethene

Concen: 0.195 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV012610.D

Acq: 06 Sep 2019 20:53

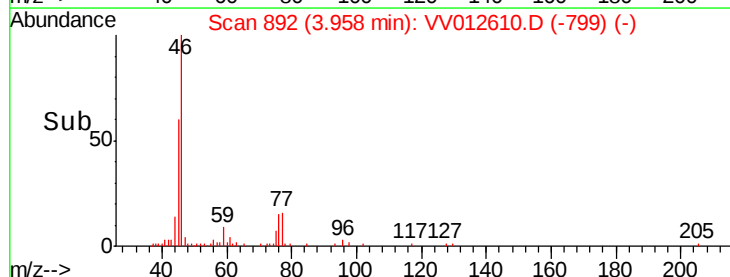
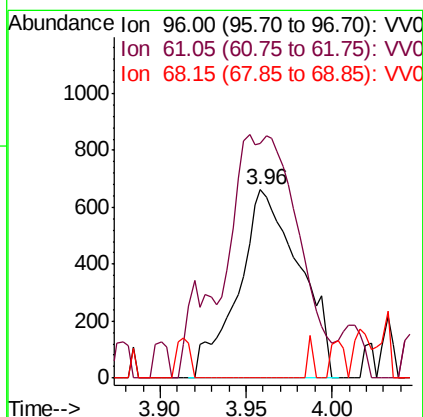
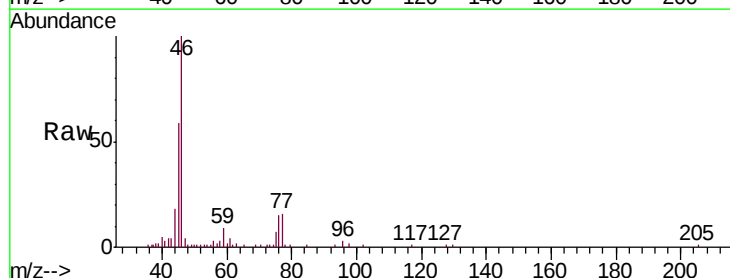
Tgt Ion: 96 Resp: 1641

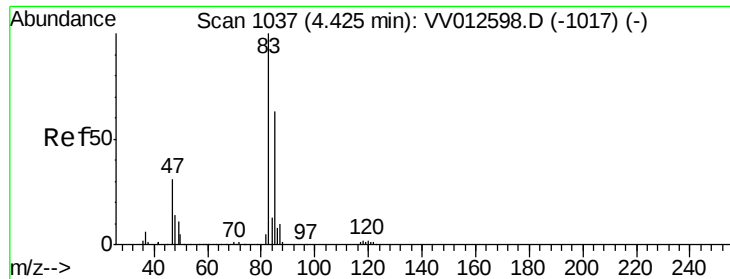
Ion Ratio Lower Upper

96 100

61 124.7 93.9 174.5

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.583 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV012610.D

Acq: 06 Sep 2019 20:53

Instrument :

MSVOA_V

ClientSampleId :

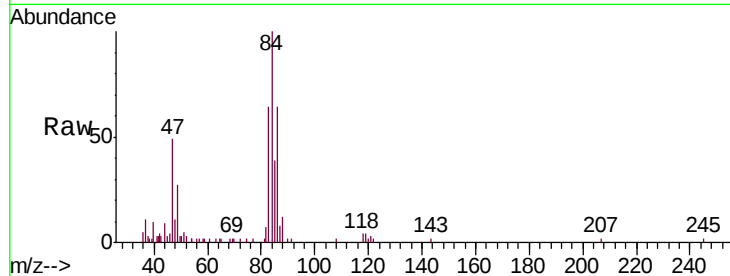
BFD92

Tgt Ion: 83 Resp: 10324

Ion Ratio Lower Upper

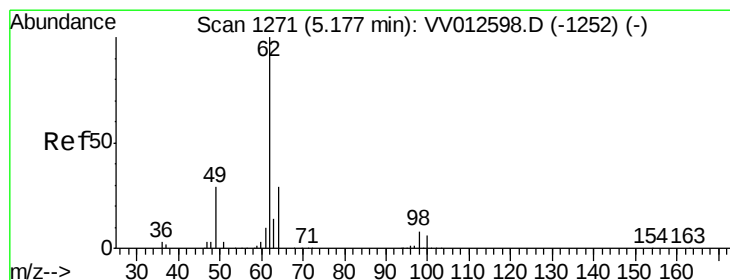
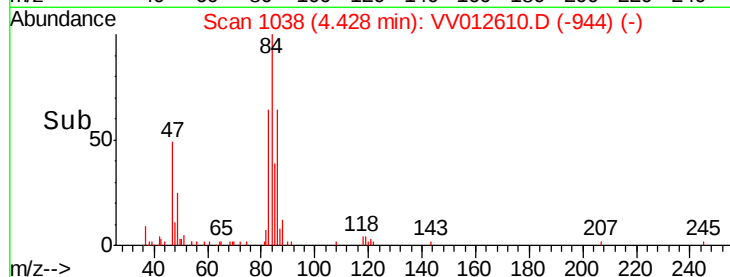
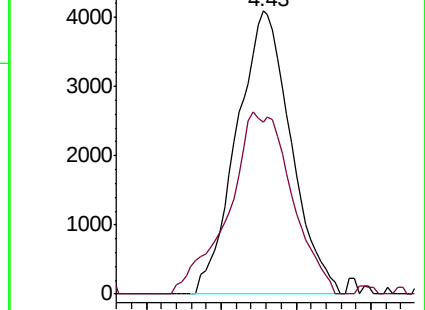
83 100

85 60.9 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VV012610.D (-944) (-)

Ion 85.00 (84.70 to 85.70): VV012610.D (-944) (-)



#27

1,2-Dichloroethane

Concen: 0.067 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VV012610.D

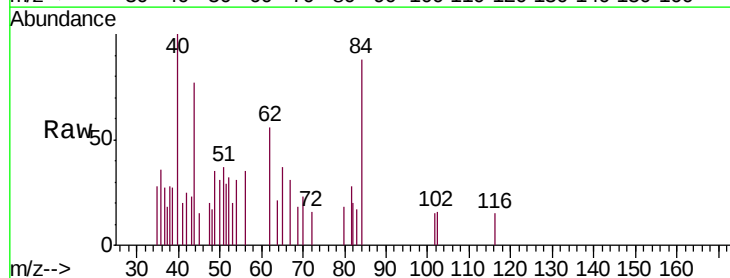
Acq: 06 Sep 2019 20:53

Tgt Ion: 62 Resp: 713

Ion Ratio Lower Upper

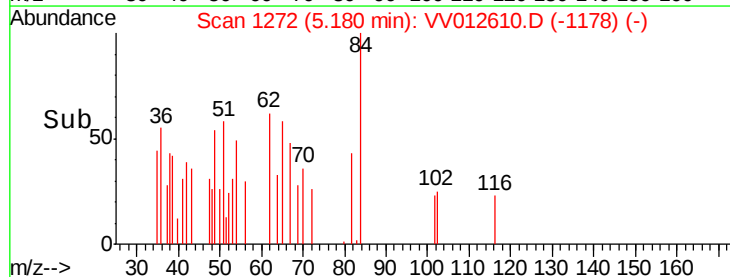
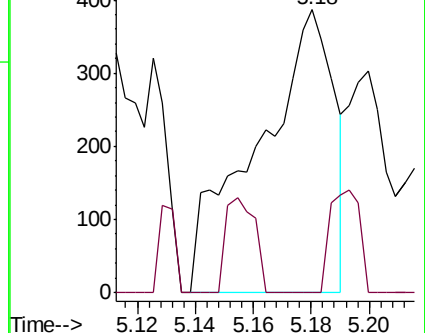
62 100

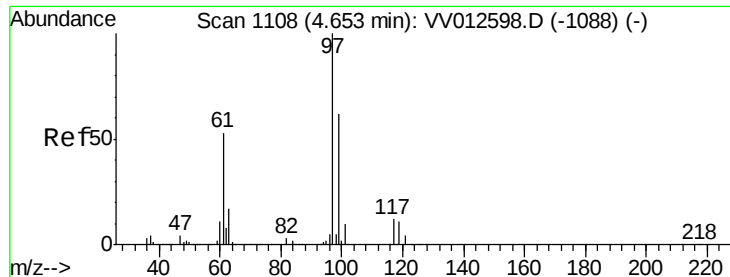
98 0.0 7.0 10.4#



Abundance Ion 62.00 (61.70 to 62.70): VV012610.D (-1178) (-)

Ion 98.05 (97.75 to 98.75): VV012610.D (-1178) (-)





#29

1,1,1-Trichloroethane

Concen: 0.269 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VV012610.D

Acq: 06 Sep 2019 20:53

Instrument :

MSVOA_V

ClientSampleId :

BFD92

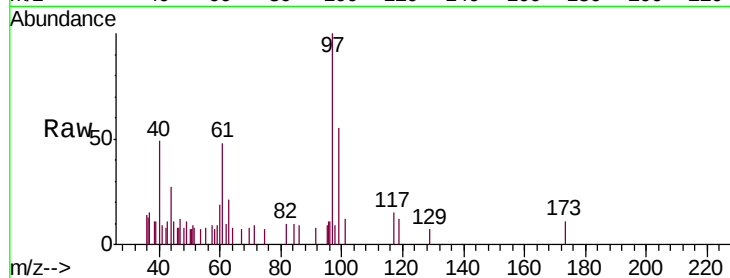
Tgt Ion: 97 Resp: 3704

Ion Ratio Lower Upper

97 100

99 56.8 51.8 77.6

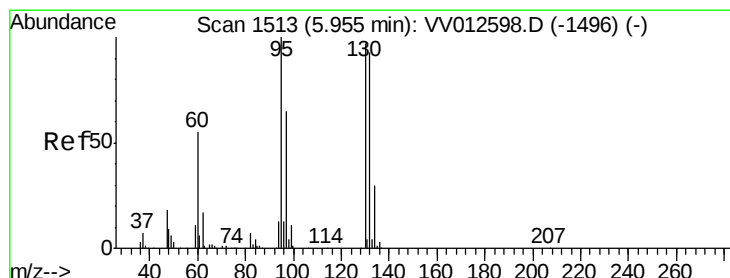
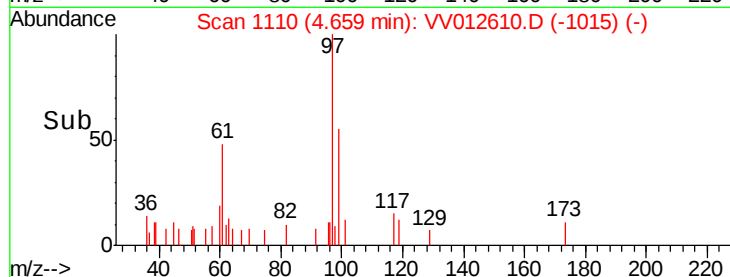
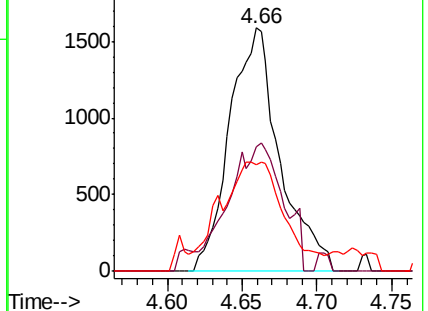
61 46.6 43.4 65.0



Abundance Ion 96.95 (96.65 to 97.65): VV012598.D (-1088) (-)

Ion 99.05 (98.75 to 99.75): VV012598.D (-1088) (-)

Ion 61.05 (60.75 to 61.75): VV012598.D (-1088) (-)



#34

Trichloroethene

Concen: 7.391 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012610.D

Acq: 06 Sep 2019 20:53

Tgt Ion: 95 Resp: 69887

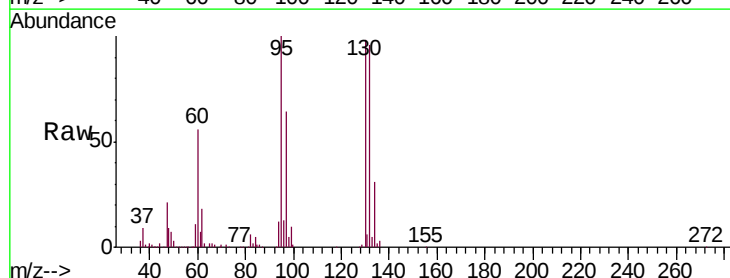
Ion Ratio Lower Upper

95 100

97 64.3 43.9 81.5

132 96.2 64.8 120.4

130 98.4 67.1 124.7

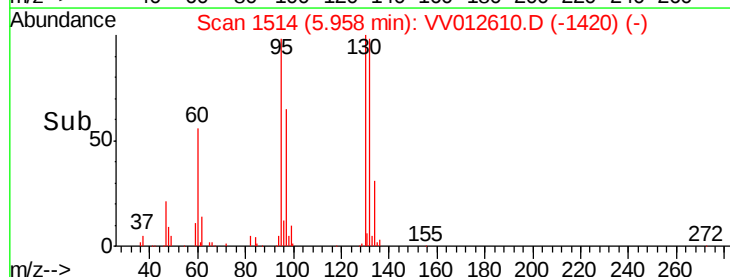
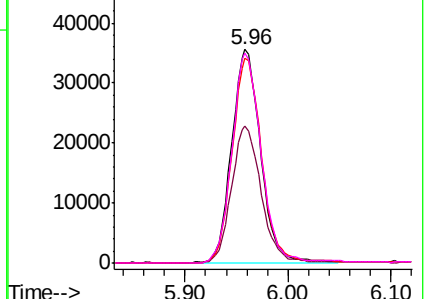


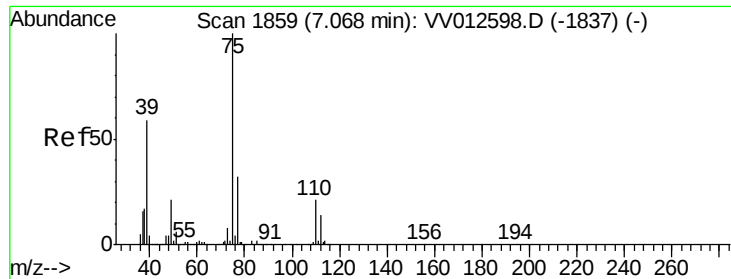
Abundance Ion 95.00 (94.70 to 95.70): VV012598.D (-1496) (-)

Ion 96.95 (96.65 to 97.65): VV012598.D (-1496) (-)

Ion 131.95 (131.65 to 132.65): VV012598.D (-1496) (-)

Ion 129.95 (129.65 to 130.65): VV012598.D (-1496) (-)



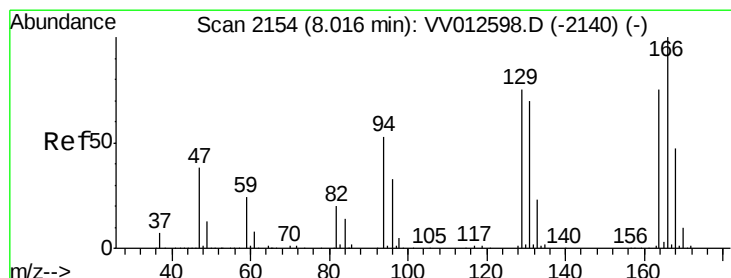
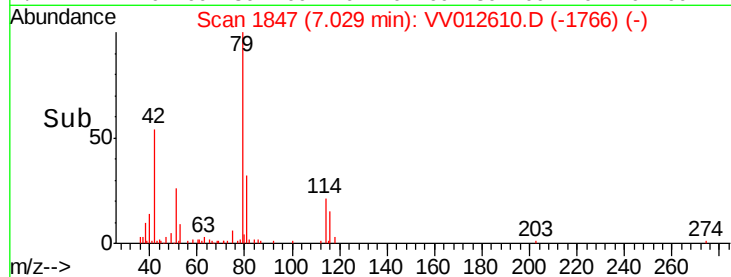
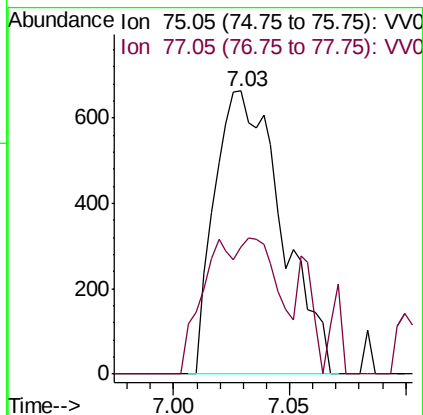
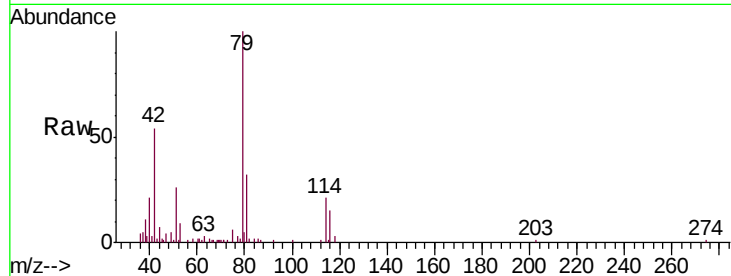


#39

cis-1,3-Dichloropropene
Concen: 0.114 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV012610.D
Acq: 06 Sep 2019 20:53

Instrument :
MSVOA_V
ClientSampleId :
BFD92

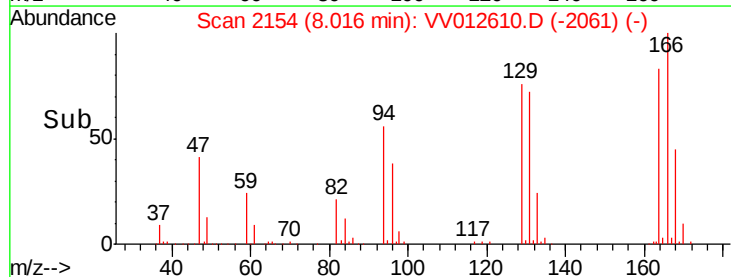
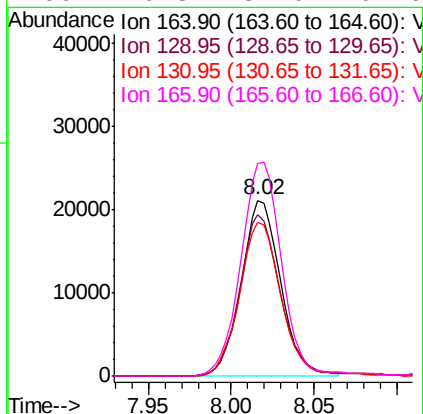
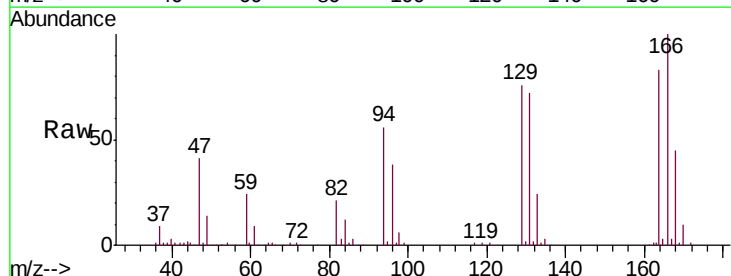
Tgt Ion: 75 Resp: 1335
Ion Ratio Lower Upper
75 100
77 45.1 21.6 40.2#

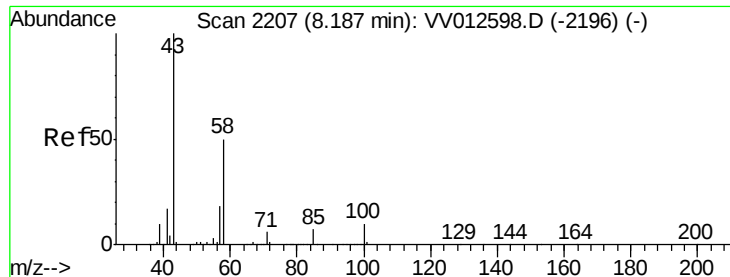


#47

Tetrachloroethene
Concen: 5.058 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV012610.D
Acq: 06 Sep 2019 20:53

Tgt Ion: 164 Resp: 34866
Ion Ratio Lower Upper
164 100
129 92.0 65.0 120.6
131 87.1 62.0 115.2
166 120.8 87.0 161.6

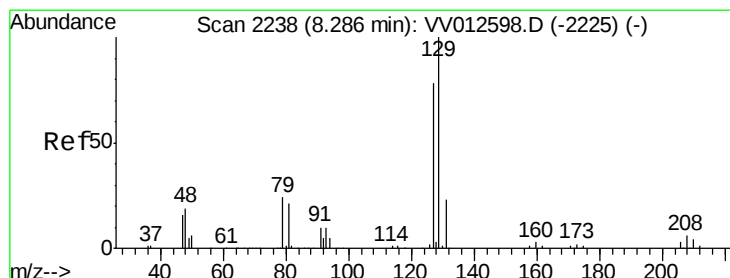
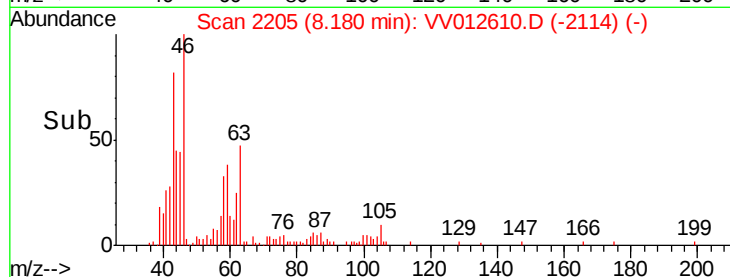
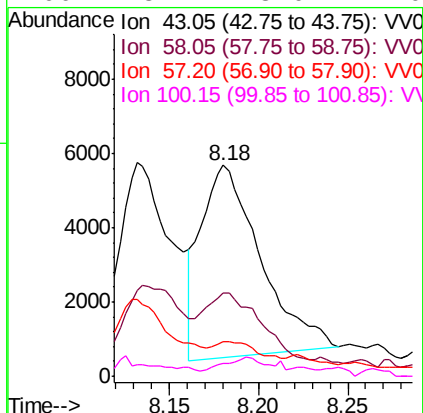
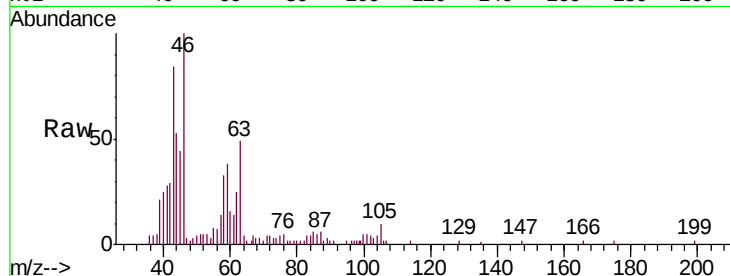




#48
2-Hexanone
Concen: 3.194 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.01 min
Lab File: VV012610.D
Acq: 06 Sep 2019 20:53

Instrument :
MSVOA_V
ClientSampleId :
BFD92

Tgt Ion:	43	Resp:	11955
Ion	Ratio	Lower	Upper
43	100		
58	34.1	39.3	58.9#
57	11.7	12.9	19.3#
100	5.2	8.0	12.0#



#49
Dibromochloromethane
Concen: 4.489 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV012610.D
Acq: 06 Sep 2019 20:53

Tgt Ion:	129	Resp:	30687
Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.0	98.4#

