

Data File : VV012651.D
Acq On : 10 Sep 2019 12:29
Operator : SY/MD
Sample : K4703-16DL 10X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD99DL

Quant Time: Sep 11 05:24:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 11 05:21:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	319443	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	324652	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	121631	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	115270	5.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.40%
7) Chloroethane-d5	1.58	69	104290	5.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.40%
11) 1,1-Dichloroethene-d2	2.13	63	140441	4.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.20%
20) 2-Butanone-d5	3.96	46	319875	61.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.68%
24) Chloroform-d	4.40	84	225863	5.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.80%
26) 1,2-Dichloroethane-d4	5.08	65	114754	6.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	121.80%
32) Benzene-d6	5.10	84	419374	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
36) 1,2-Dichloropropane-d6	6.12	67	138340	5.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.40%
41) Toluene-d8	7.36	98	325746	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	7.66	79	43858	5.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.60%
46) 2-Hexanone-d5	8.14	63	158177	49.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.68%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	95531	5.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	127345	6.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	122.40%#

Target Compounds

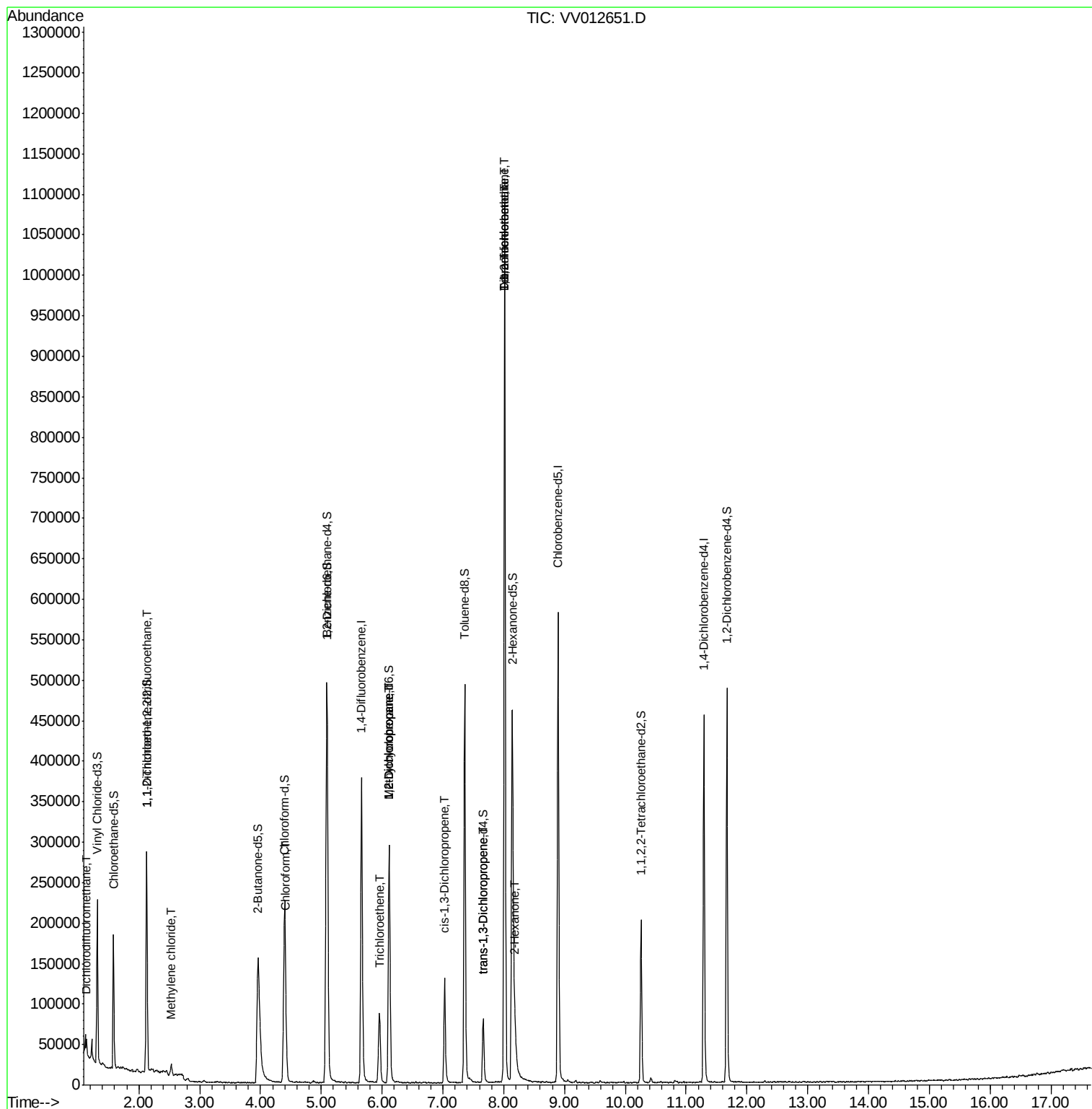
					Qvalue
2) Dichlorodifluoromethane	1.14	85	10507	0.390 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1483	0.071 ug/L #	24
16) Methylene chloride	2.53	84	4800	0.198 ug/L	93
25) Chloroform	4.42	83	12706	0.275 ug/L	92
34) Trichloroethene	5.96	95	25361	0.967 ug/L	95
35) Methylcyclohexane	6.11	83	33662	0.908 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	15550	0.658 ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	3215	0.104 ug/L #	72
44) trans-1,3-Dichloropropene	7.67	75	1987	0.085 ug/L #	67
45) 1,1,2-Trichloroethane	8.01	97	2127	0.129 ug/L #	1
47) Tetrachloroethene	8.02	164	250086	12.151 ug/L	99
48) 2-Hexanone	8.19	43	36687	3.914 ug/L #	80
49) Dibromochloromethane	8.02	129	211928	10.824 ug/L #	11

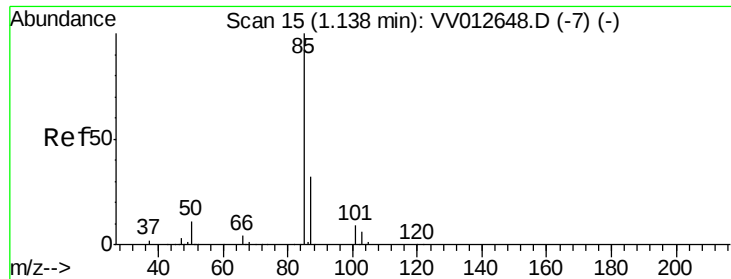
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.390 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012651.D

Acq: 10 Sep 2019 12:29

Instrument :

MSVOA_V

ClientSampleId :

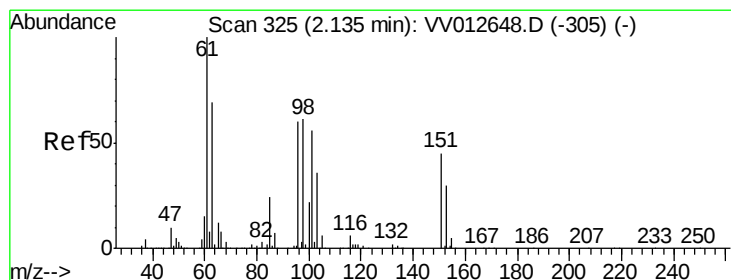
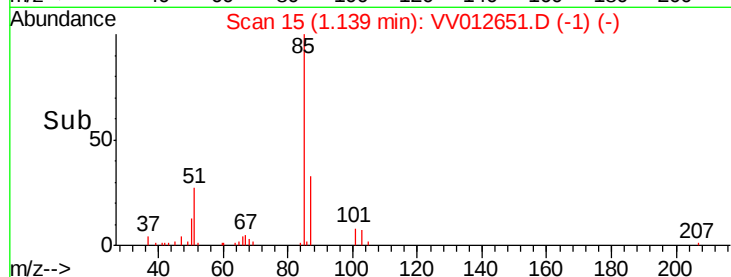
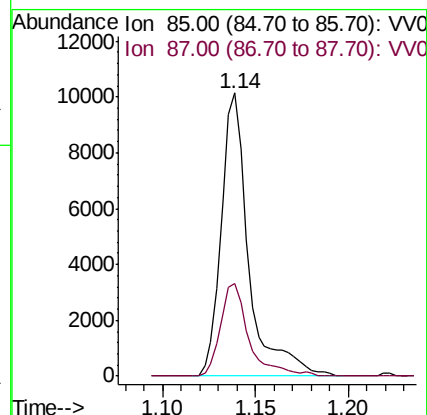
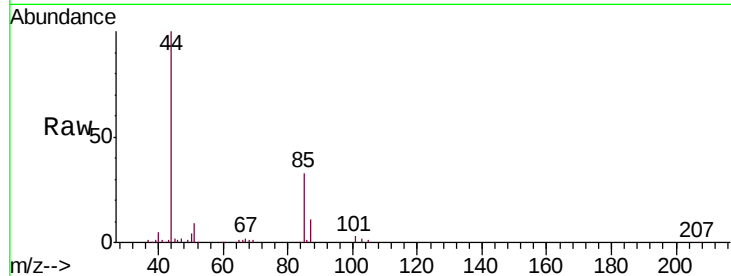
BFD99DL

Tgt Ion: 85 Resp: 10507

Ion Ratio Lower Upper

85 100

87 33.7 25.8 38.8



#10

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

Concen: 0.071 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV012651.D

Acq: 10 Sep 2019 12:29

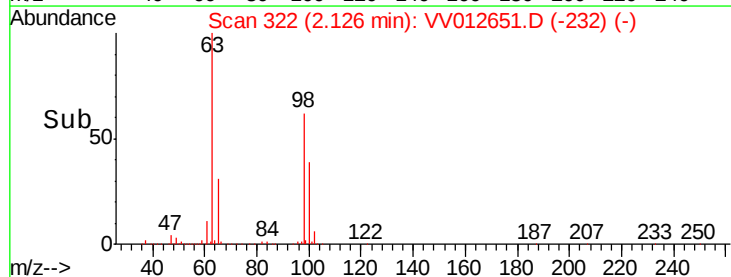
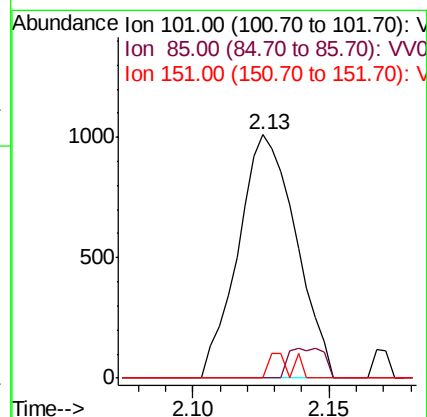
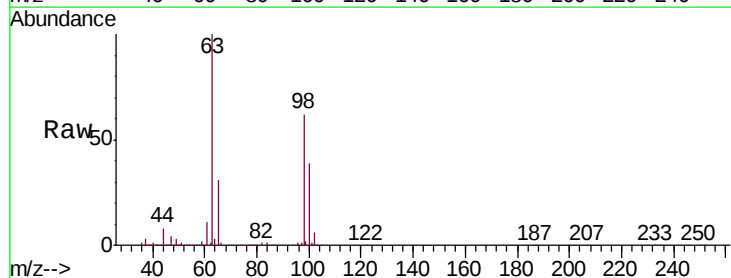
Tgt Ion: 101 Resp: 1483

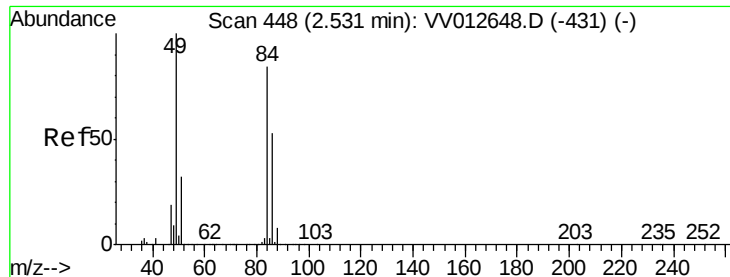
Ion Ratio Lower Upper

101 100

85 7.6 33.0 49.6#

151 4.0 65.8 98.8#

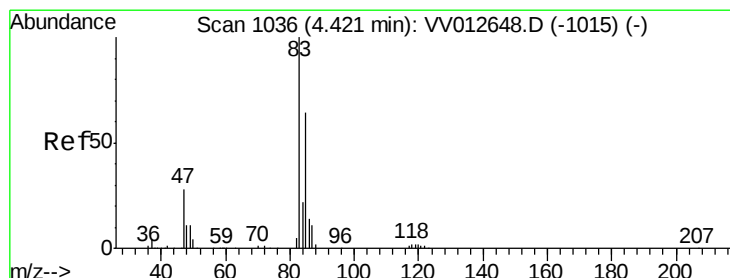
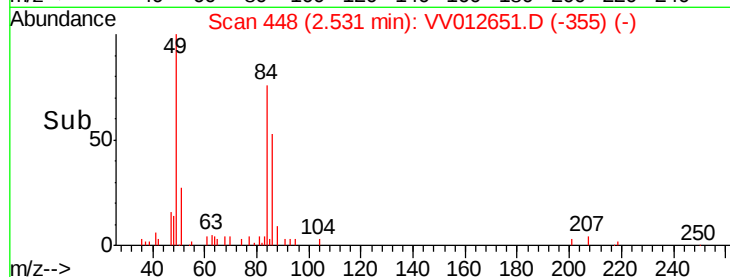
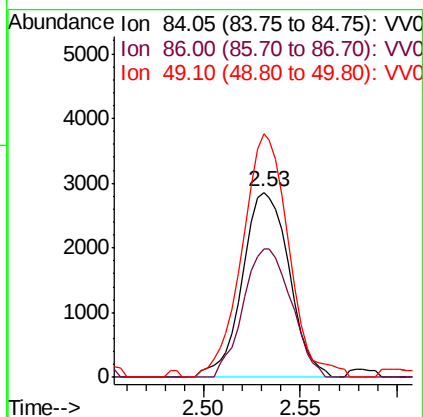
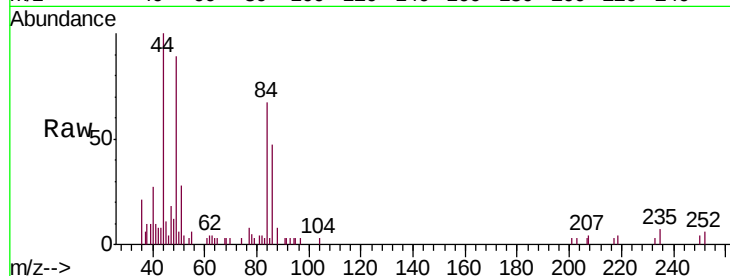




#16
Methylene chloride
Concen: 0.198 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV012651.D
Acq: 10 Sep 2019 12:29

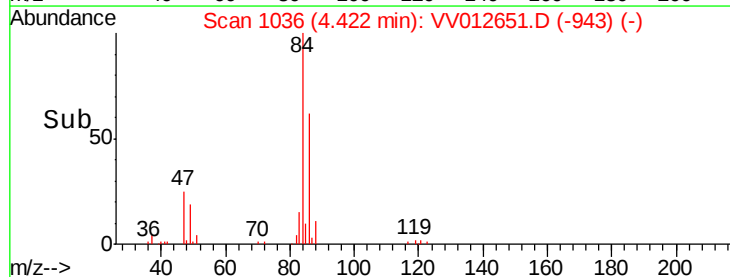
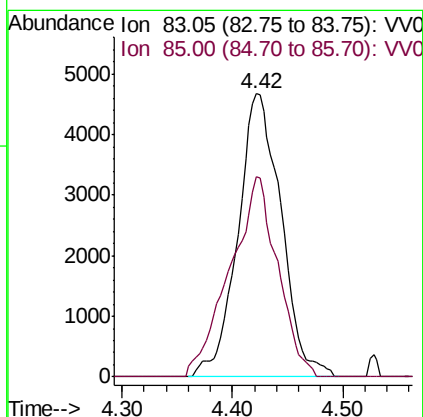
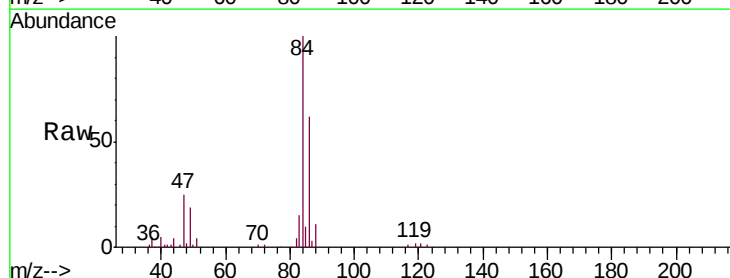
Instrument :
MSVOA_V
ClientSampleId :
BFD99DL

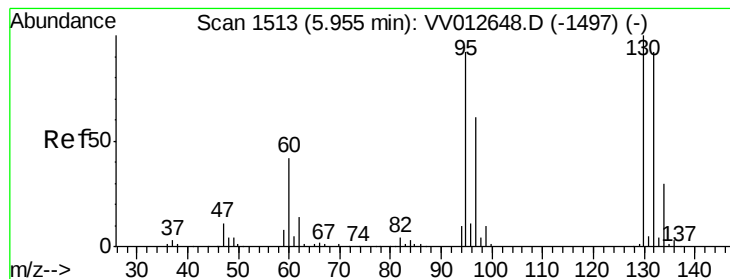
Tgt Ion: 84 Resp: 4800
Ion Ratio Lower Upper
84 100
86 69.2 46.1 85.7
49 131.8 85.3 158.3



#25
Chloroform
Concen: 0.275 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV012651.D
Acq: 10 Sep 2019 12:29

Tgt Ion: 83 Resp: 12706
Ion Ratio Lower Upper
83 100
85 70.7 45.3 84.1





#34

Trichloroethene

Concen: 0.967 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012651.D

Acq: 10 Sep 2019 12:29

Instrument :

MSVOA_V

ClientSampleId :

BFD99DL

Tgt Ion: 95 Resp: 25361

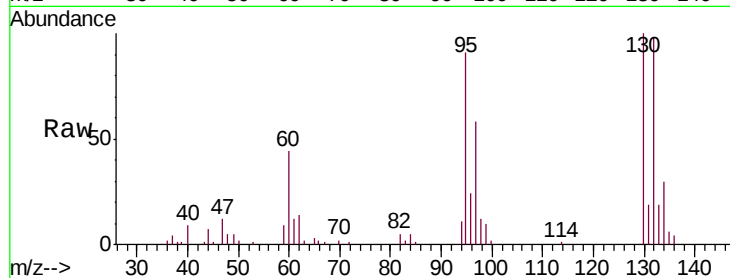
Ion Ratio Lower Upper

95 100

97 63.8 45.4 84.2

132 107.9 70.2 130.4

130 110.2 74.2 137.8

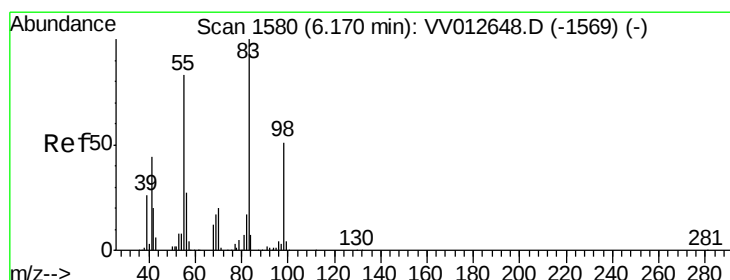
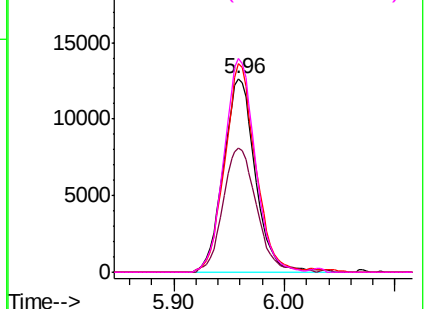
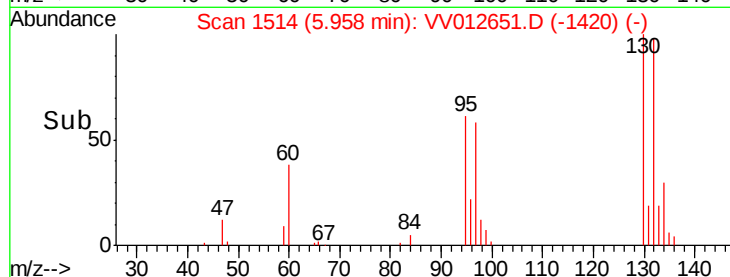


Abundance Ion 95.00 (94.70 to 95.70): VV012648.D (-1497) (-)

Ion 96.95 (96.65 to 97.65): VV012648.D (-1497) (-)

Ion 131.95 (131.65 to 132.65): VV012648.D (-1497) (-)

Ion 129.95 (129.65 to 130.65): VV012648.D (-1497) (-)



#35

Methylcyclohexane

Concen: 0.908 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV012651.D

Acq: 10 Sep 2019 12:29

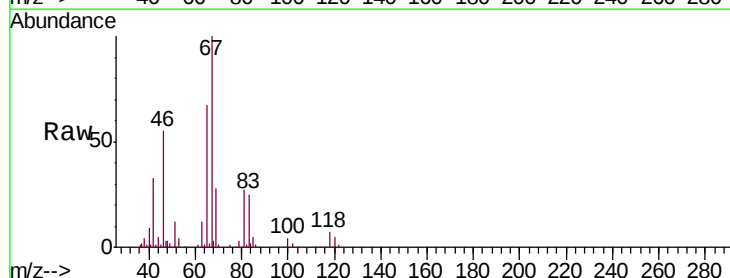
Tgt Ion: 83 Resp: 33662

Ion Ratio Lower Upper

83 100

55 0.5 63.0 94.4#

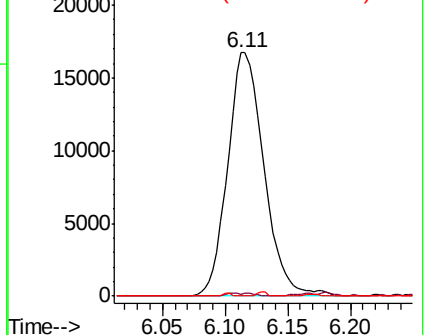
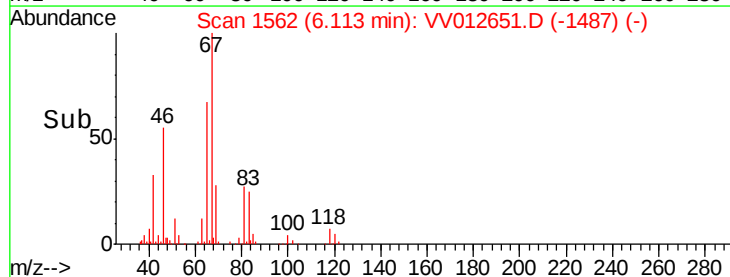
98 0.4 39.8 59.8#

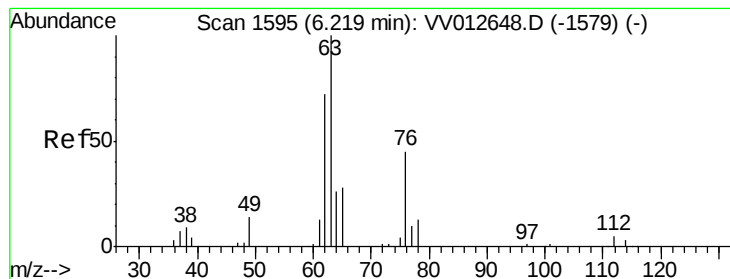


Abundance Ion 83.15 (82.85 to 83.85): VV012648.D (-1569) (-)

Ion 55.10 (54.80 to 55.80): VV012648.D (-1569) (-)

Ion 98.15 (97.85 to 98.85): VV012648.D (-1569) (-)





#37

1,2-Dichloropropane

Concen: 0.658 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV012651.D

Acq: 10 Sep 2019 12:29

Instrument :

MSVOA_V

ClientSampleId :

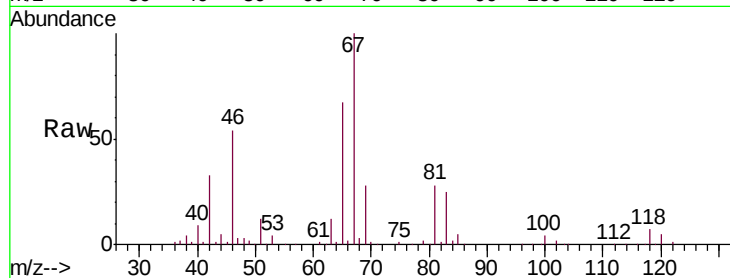
BFD99DL

Tgt Ion: 63 Resp: 15550

Ion Ratio Lower Upper

63 100

112 0.4 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VV012648.D (-1579) (-)

Ion 112.10 (111.80 to 112.80): VV012648.D (-1579) (-)

6.12

8000

6000

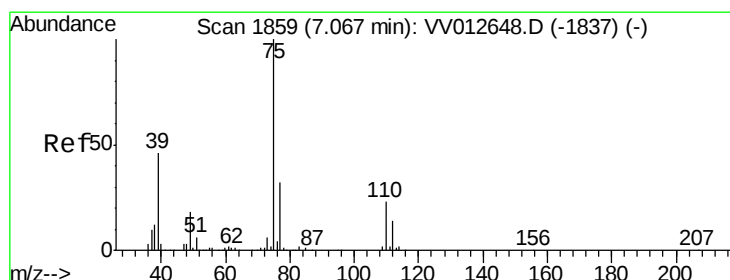
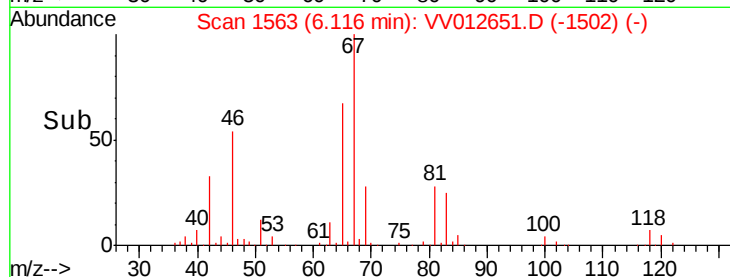
4000

2000

0

6.05 6.10 6.15 6.20

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.104 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

Lab File: VV012651.D

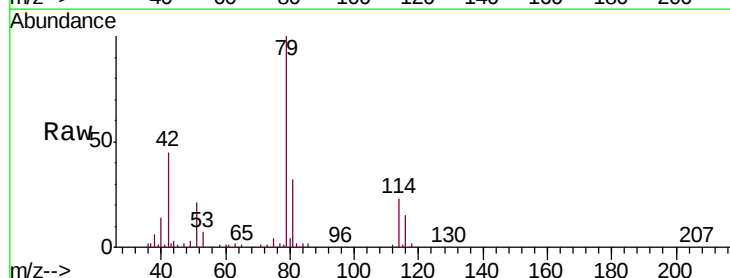
Acq: 10 Sep 2019 12:29

Tgt Ion: 75 Resp: 3215

Ion Ratio Lower Upper

75 100

77 47.5 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV012648.D (-1837) (-)

Ion 77.05 (76.75 to 77.75): VV012648.D (-1837) (-)

7.03

2000

1500

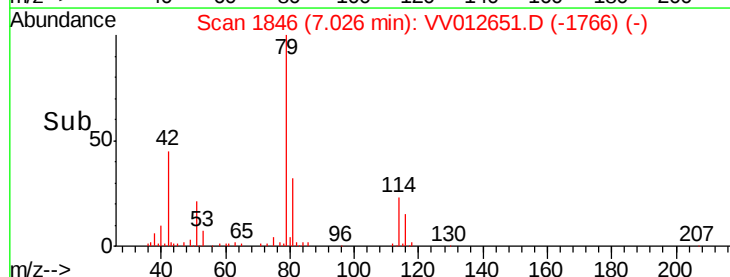
1000

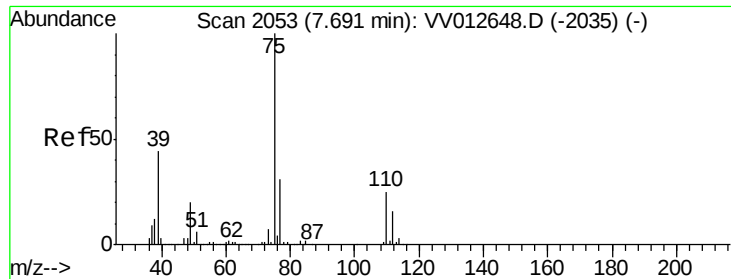
500

0

7.00 7.05 7.10

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV012651.D

Acq: 10 Sep 2019 12:29

Instrument :

MSVOA_V

ClientSampleId :

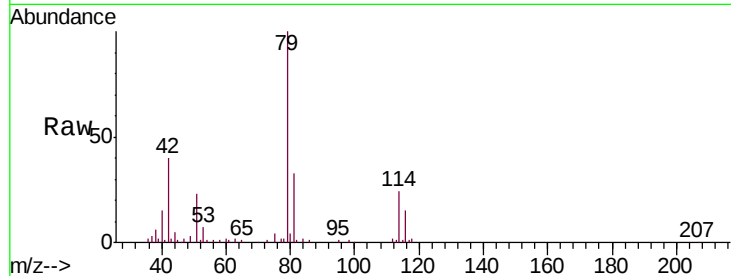
BFD99DL

Tgt Ion: 75 Resp: 1987

Ion Ratio Lower Upper

75 100

77 50.6 22.4 41.6#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

1200

1000

800

600

400

200

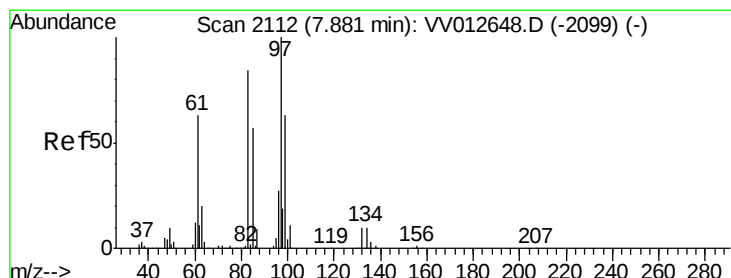
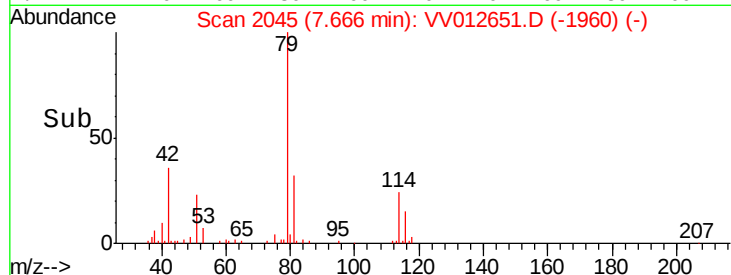
0

7.60

7.65

7.70

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.129 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. 0.13 min

Lab File: VV012651.D

Acq: 10 Sep 2019 12:29

Tgt Ion: 97 Resp: 2127

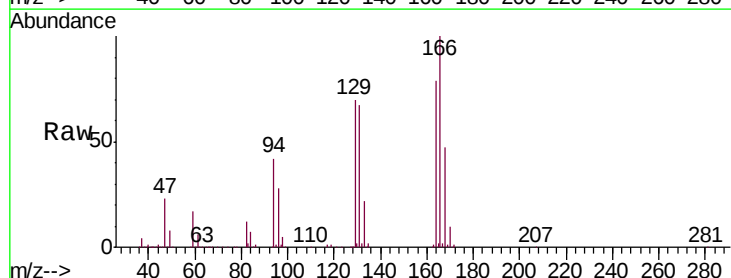
Ion Ratio Lower Upper

97 100

99 24.6 44.2 82.0#

83 292.5 60.8 112.8#

85 38.7 38.6 71.6



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

5000

4000

3000

2000

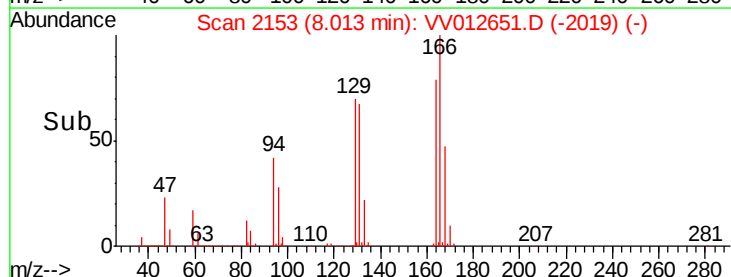
1000

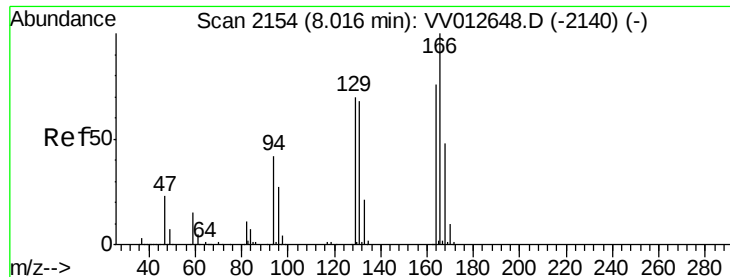
0

8.00

8.05

Time-->

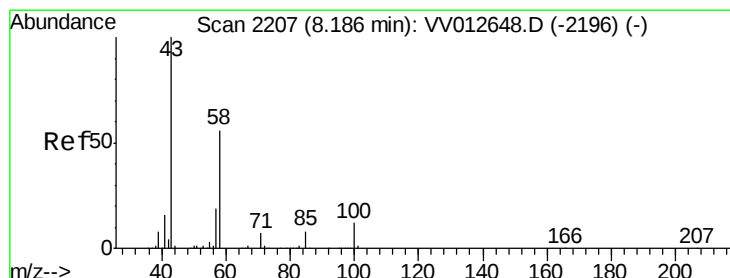
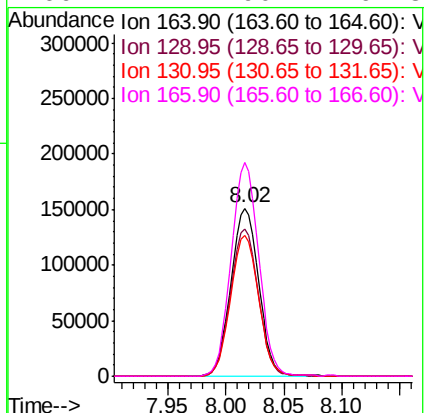
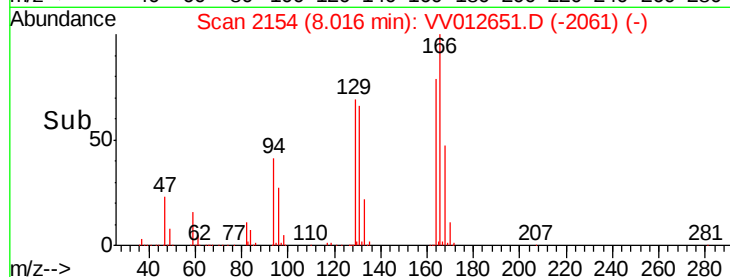
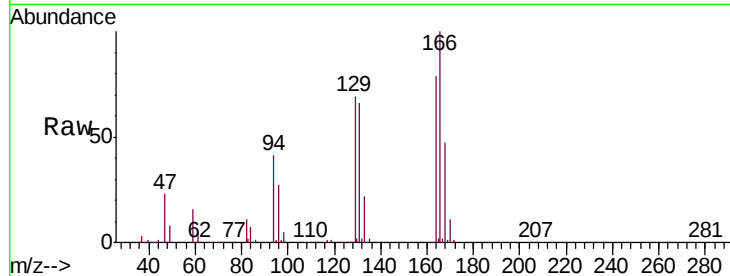




#47
Tetrachloroethene
Concen: 12.151 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV012651.D
Acq: 10 Sep 2019 12:29

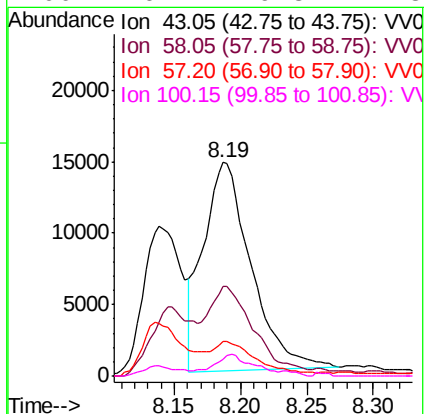
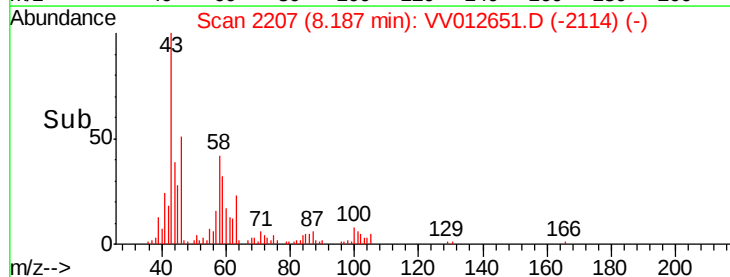
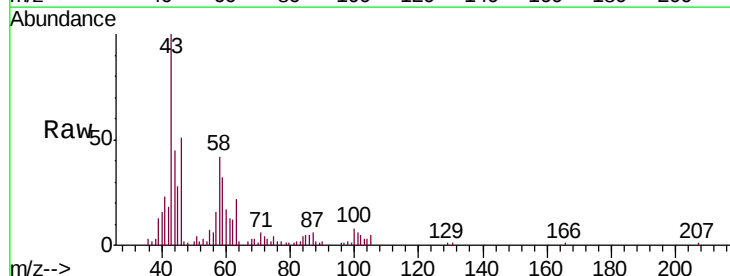
Instrument :
MSVOA_V
ClientSampleId :
BFD99DL

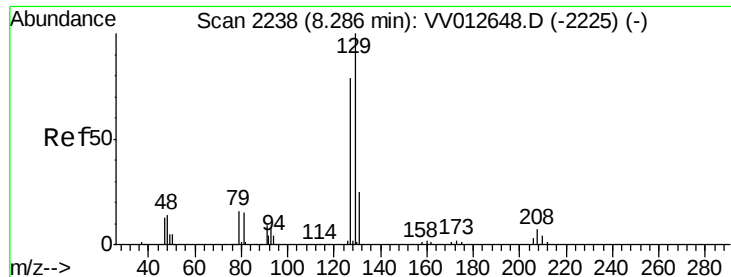
Tgt Ion:164 Resp: 250086
Ion Ratio Lower Upper
164 100
129 87.8 61.9 114.9
131 84.1 59.7 110.9
166 127.2 90.4 167.8



#48
2-Hexanone
Concen: 3.914 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012651.D
Acq: 10 Sep 2019 12:29

Tgt Ion: 43 Resp: 36687
Ion Ratio Lower Upper
43 100
58 37.9 44.8 67.2#
57 14.5 14.9 22.3#
100 6.1 9.8 14.8#





#49

Dibromochloromethane

Concen: 10.824 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV012651.D

Acq: 10 Sep 2019 12:29

Instrument :

MSVOA_V

ClientSampleId :

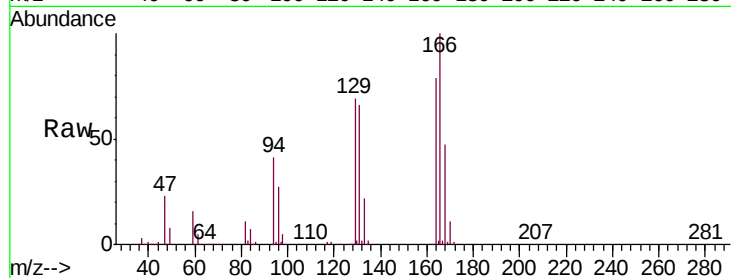
BFD99DL

Tgt Ion:129 Resp: 211928

Ion Ratio Lower Upper

129 100

127 0.3 53.5 99.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

