

Data File : VV012551.D
Acq On : 03 Sep 2019 16:48
Operator : SY/MD
Sample : K4607-11DL 5X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD67DL

Quant Time: Sep 04 02:14:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 04 02:10:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	122468	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	125638	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	44204	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	62593	5.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.20%
7) Chloroethane-d5	1.58	69	67479	5.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.80%
11) 1,1-Dichloroethene-d2	2.13	63	109053	3.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.20%
20) 2-Butanone-d5	3.96	46	133910	59.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.16%
24) Chloroform-d	4.40	84	100771	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.20%
26) 1,2-Dichloroethane-d4	5.08	65	55552	5.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.20%
32) Benzene-d6	5.10	84	186788	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
36) 1,2-Dichloropropane-d6	6.12	67	61781	5.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.20%
41) Toluene-d8	7.36	98	150532	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	7.66	79	19564	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
46) 2-Hexanone-d5	8.14	63	71655	47.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.18%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	40987	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	48097	5.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.60%

Target Compounds

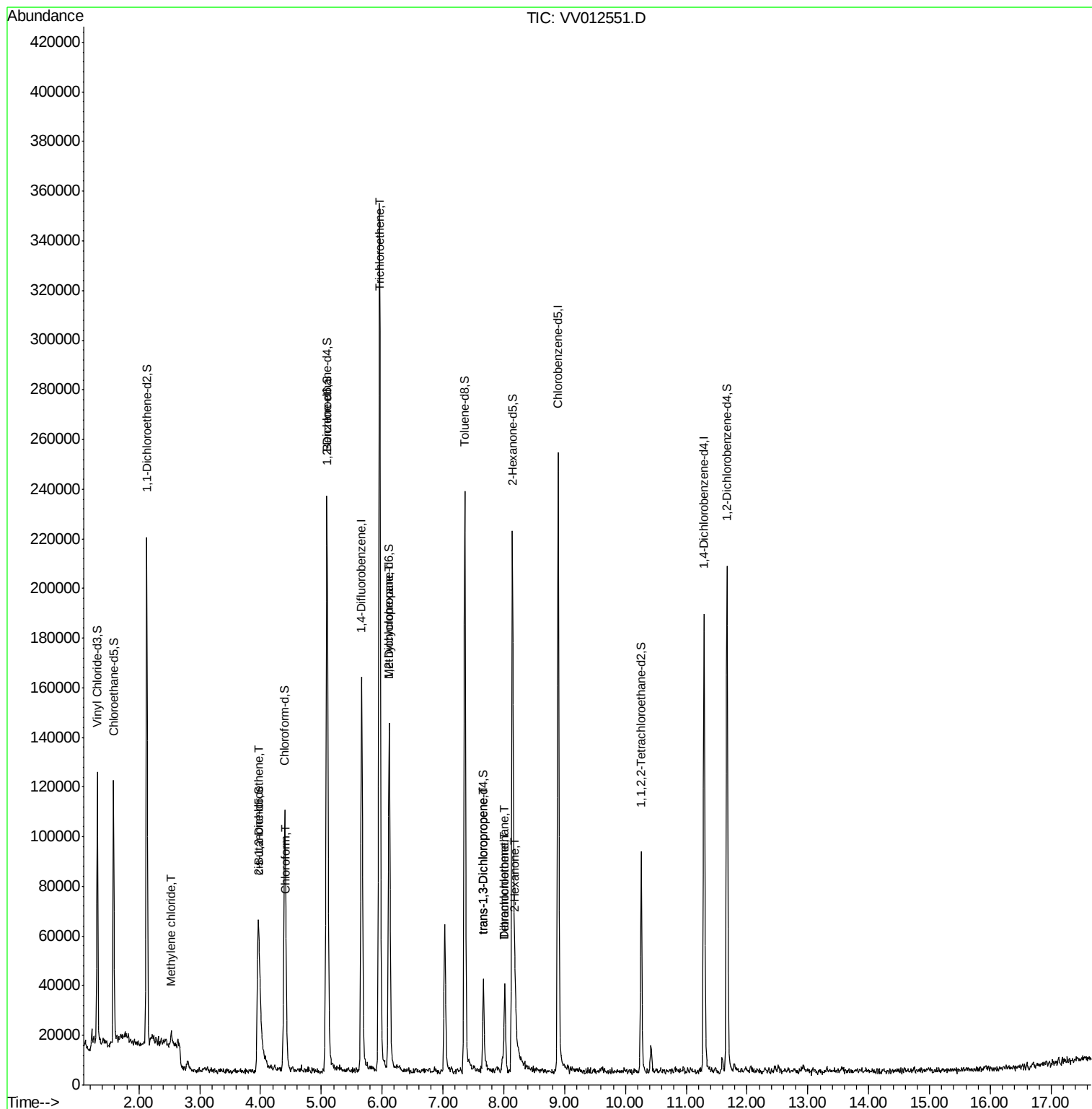
					Qvalue
16) Methylene chloride	2.53	84	2505	0.137 ug/L	79
22) cis-1,2-Dichloroethene	3.96	96	1756	0.134 ug/L	85
25) Chloroform	4.43	83	4073	0.159 ug/L	86
34) Trichloroethene	5.96	95	117082	8.191 ug/L	97
35) Methylcyclohexane	6.12	83	14988	0.690 ug/L #	17
44) trans-1,3-Dichloropropene	7.66	75	1148	0.081 ug/L	100
47) Tetrachloroethene	8.02	164	6783	0.657 ug/L	95
48) 2-Hexanone	8.19	43	11528	2.051 ug/L #	71
49) Dibromochloromethane	8.02	129	6193	0.609 ug/L #	10

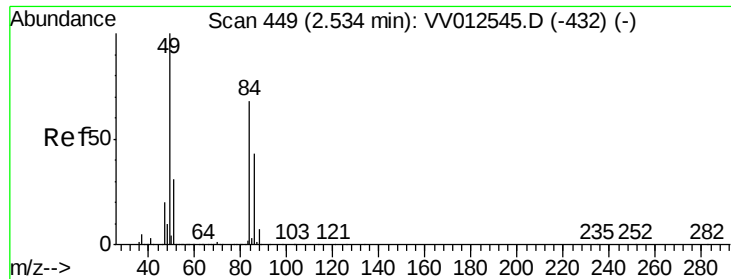
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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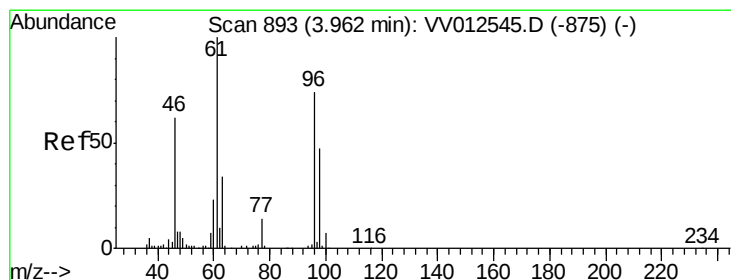
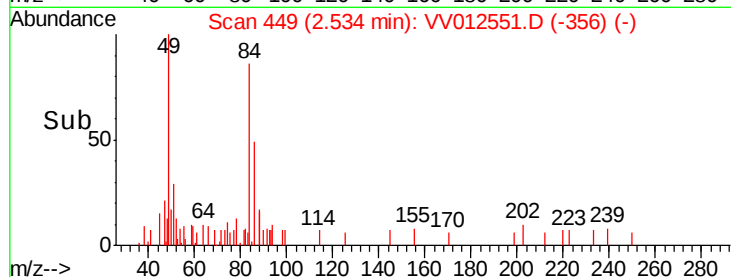
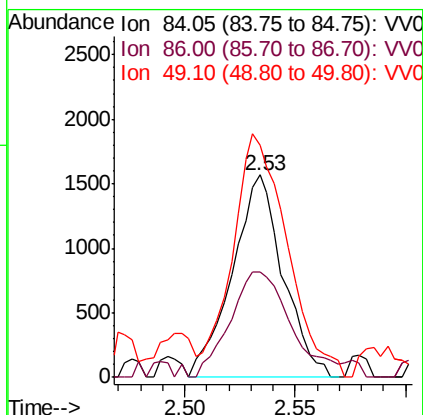
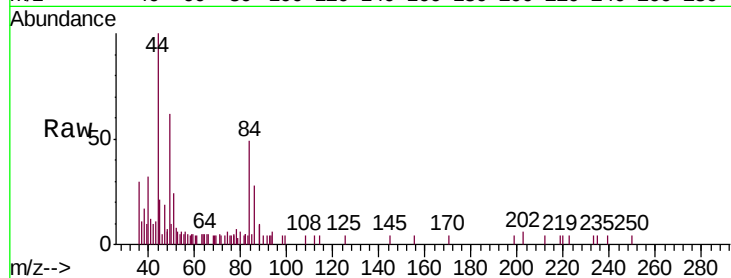




#16
Methylene chloride
Concen: 0.137 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012551.D
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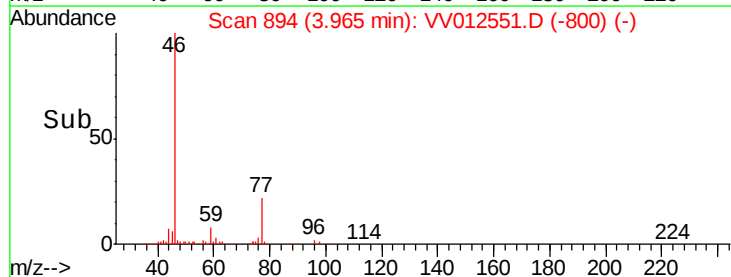
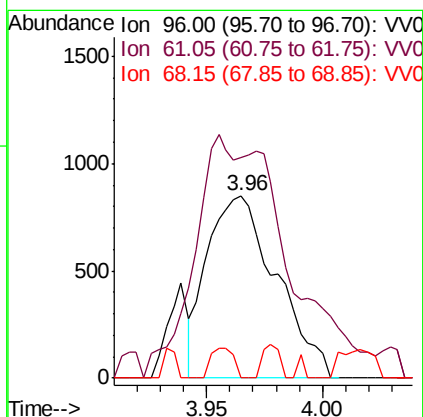
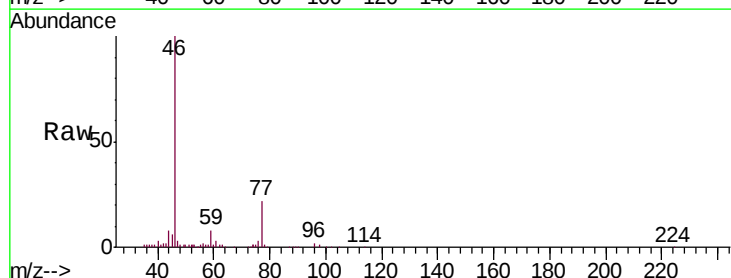
Instrument :
MSVOA_V
ClientSampleId :
BFD67DL

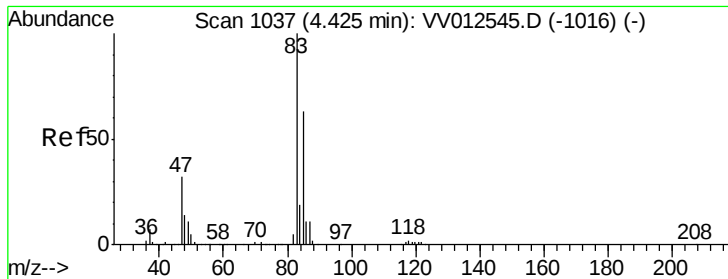
Tgt Ion: 84 Resp: 2505
Ion Ratio Lower Upper
84 100
86 51.8 45.2 84.0
49 114.3 100.4 186.4



#22
cis-1,2-Dichloroethene
Concen: 0.134 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV012551.D
Acq: 03 Sep 2019 16:48

Tgt Ion: 96 Resp: 1756
Ion Ratio Lower Upper
96 100
61 121.2 97.5 181.1
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.159 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV012551.D

Acq: 03 Sep 2019 16:48

Instrument :

MSVOA_V

ClientSampled :

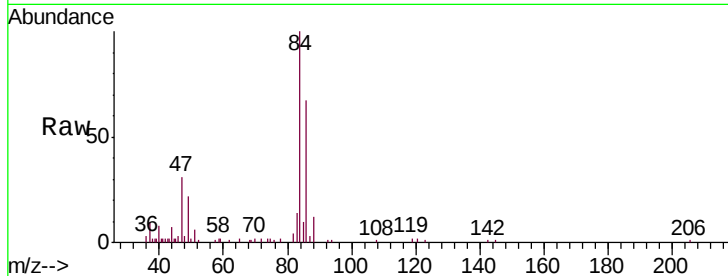
BFD67DL

Tgt Ion: 83 Resp: 4073

Ion Ratio Lower Upper

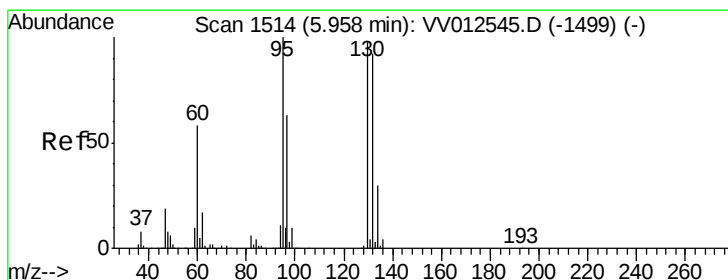
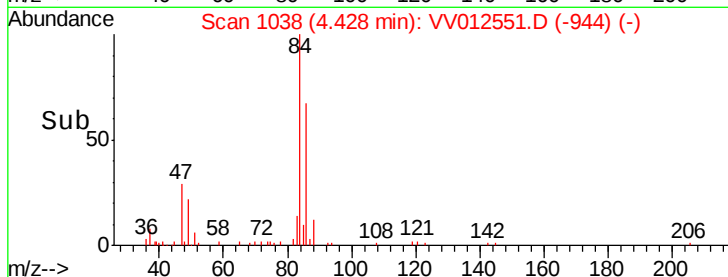
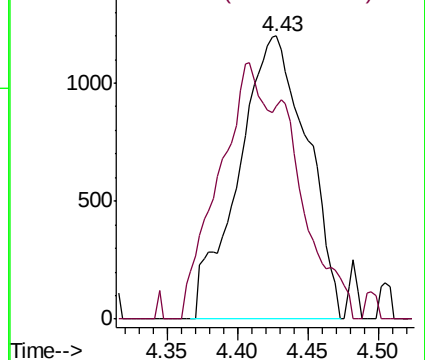
83 100

85 75.2 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#34

Trichloroethene

Concen: 8.191 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012551.D

Acq: 03 Sep 2019 16:48

Tgt Ion: 95 Resp: 117082

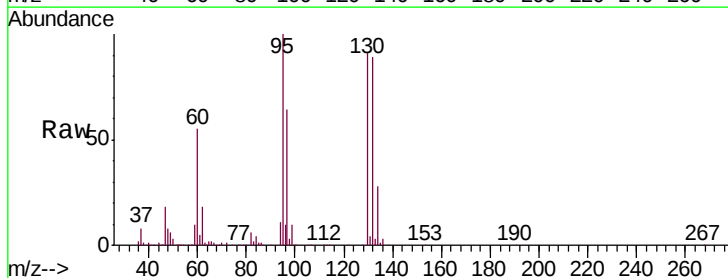
Ion Ratio Lower Upper

95 100

97 63.7 44.7 83.1

132 88.8 63.8 118.4

130 91.1 66.6 123.6

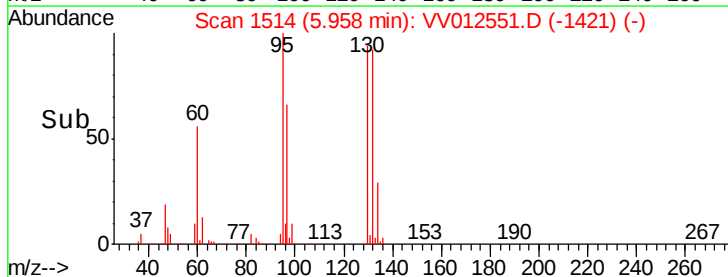
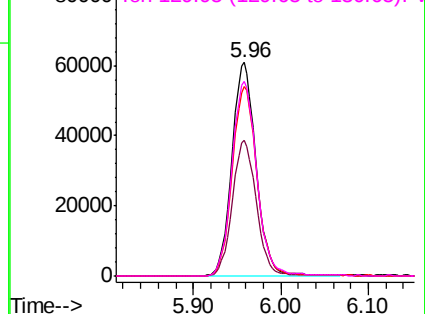


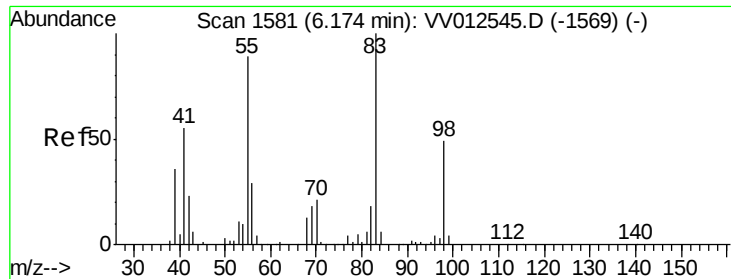
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#35

Methylcyclohexane

Concen: 0.690 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV012551.D

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Instrument :

MSVOA_V

ClientSampleId :

BFD67DL

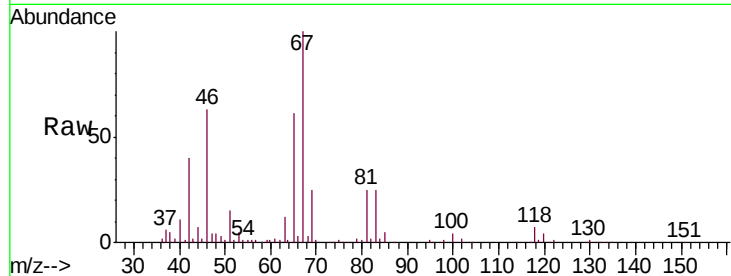
Tgt Ion: 83 Resp: 14988

Ion Ratio Lower Upper

83 100

55 2.1 67.3 100.9#

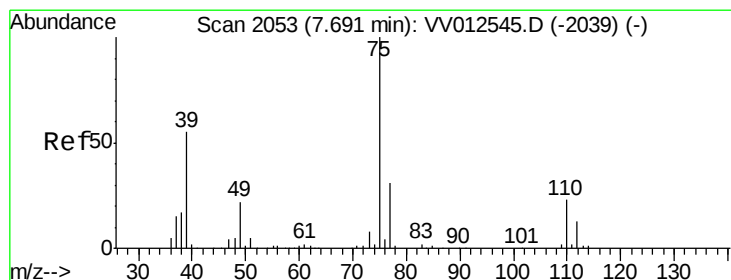
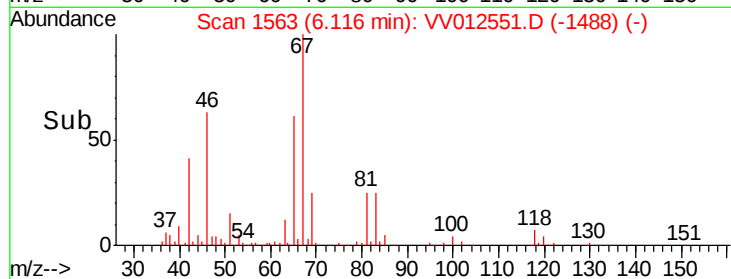
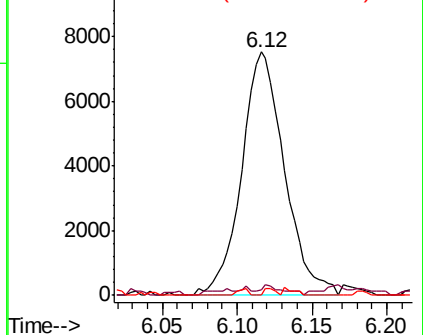
98 0.8 37.4 56.2#



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



#44

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV012551.D

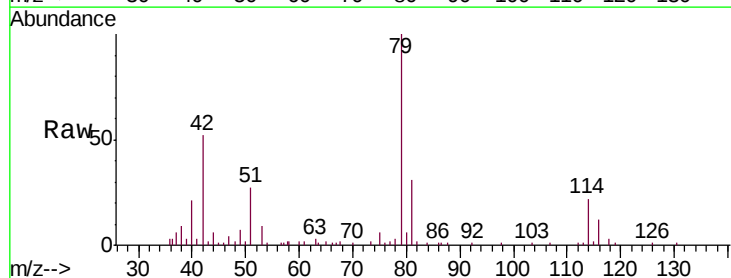
Acq: 03 Sep 2019 16:48

Tgt Ion: 75 Resp: 1148

Ion Ratio Lower Upper

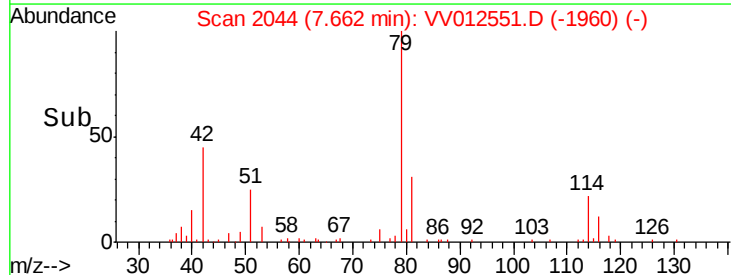
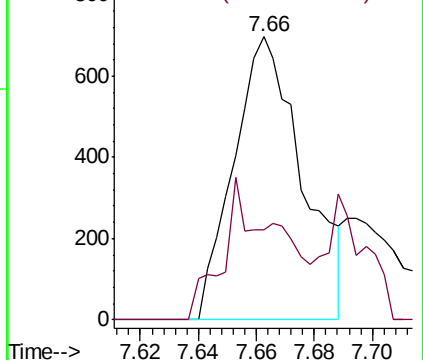
75 100

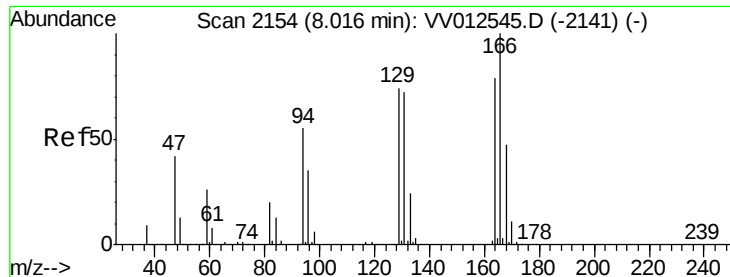
77 31.7 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

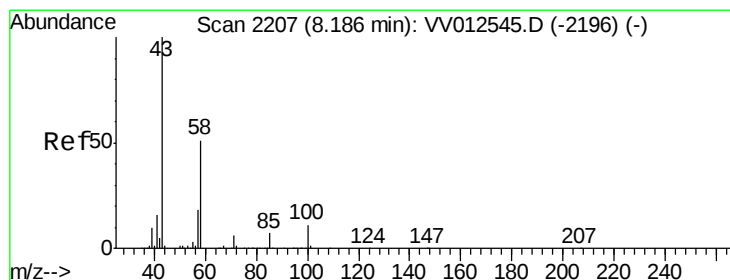
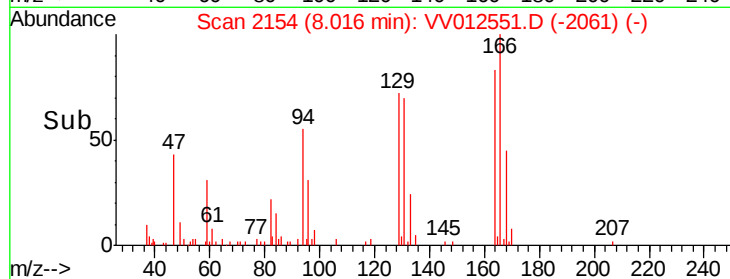
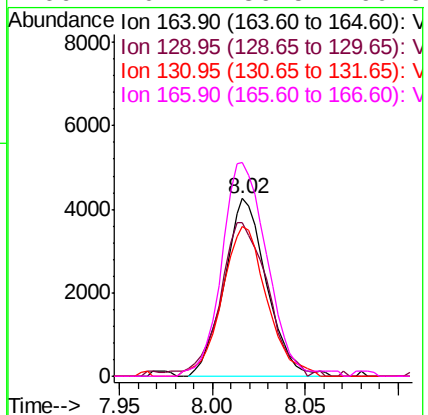
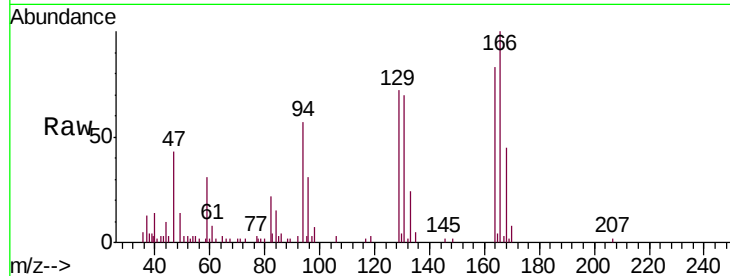




#47
Tetrachloroethene
Concen: 0.657 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV012551.D
Acq: 03 Sep 2019 16:48

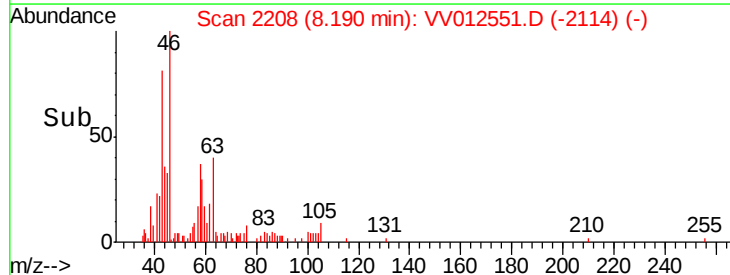
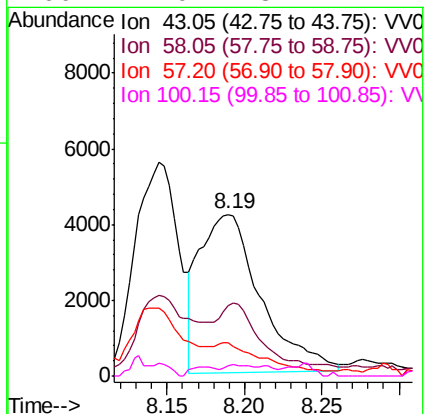
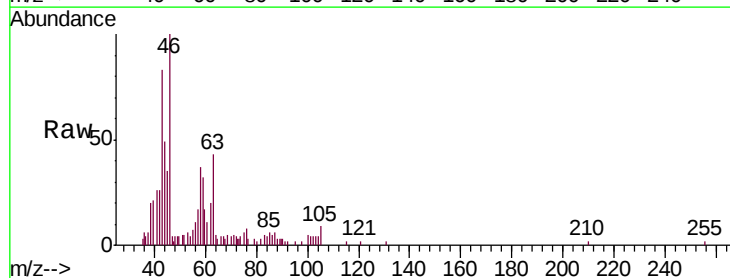
Instrument :
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ClientSampleId :
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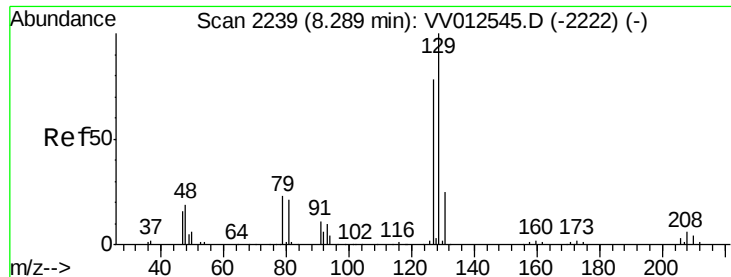
Tgt Ion:164 Resp: 6783
Ion Ratio Lower Upper
164 100
129 86.3 64.5 119.9
131 84.1 62.3 115.7
166 120.1 86.5 160.6



#48
2-Hexanone
Concen: 2.051 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012551.D
Acq: 03 Sep 2019 16:48

Tgt Ion: 43 Resp: 11528
Ion Ratio Lower Upper
43 100
58 24.7 40.0 60.0#
57 12.6 13.4 20.2#
100 1.0 8.2 12.2#





#49

Dibromochloromethane

Concen: 0.609 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV012551.D

Acq: 03 Sep 2019 16:48

Instrument :

MSVOA_V

ClientSampleId :

BFD67DL

Tgt Ion:129 Resp: 6193

Ion Ratio Lower Upper

129 100

127 0.0 54.9 102.1#

