

Data File : VV009042.D
Acq On : 19 Dec 2018 04:37
Operator : SY/MD
Sample : J6419-15
Misc : 6.49G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF043

Quant Time: Dec 19 07:26:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 19 07:18:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	196611	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	176482	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	55273	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	38637	18.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.96%
7) Chloroethane-d5	1.58	69	37665	25.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.24%
10) 1,1-Dichloroethene-d2	2.13	63	71823	14.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	56.48%
20) 2-Butanone-d5	4.06	46	335	0.45	ug/L	0.12
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.90%#
24) Chloroform-d	4.40	84	94637	20.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.08%
26) 1,2-Dichloroethane-d4	5.08	65	63323	24.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.20%
29) Benzene-d6	5.10	84	188399	19.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	76.44%
33) 1,2-Dichloropropane-d6	6.12	67	59428	21.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.16%
37) Toluene-d8	7.36	98	165759	18.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	72.68%
38) trans-1,3-Dichloropropene-	7.67	79	26252	21.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.60%
39) 2-Hexanone-d5	8.14	63	24242	47.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.90%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	60503	26.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.56%
61) 1,2-Dichlorobenzene-d4	11.68	152	37451	18.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	72.20%#

Target Compounds

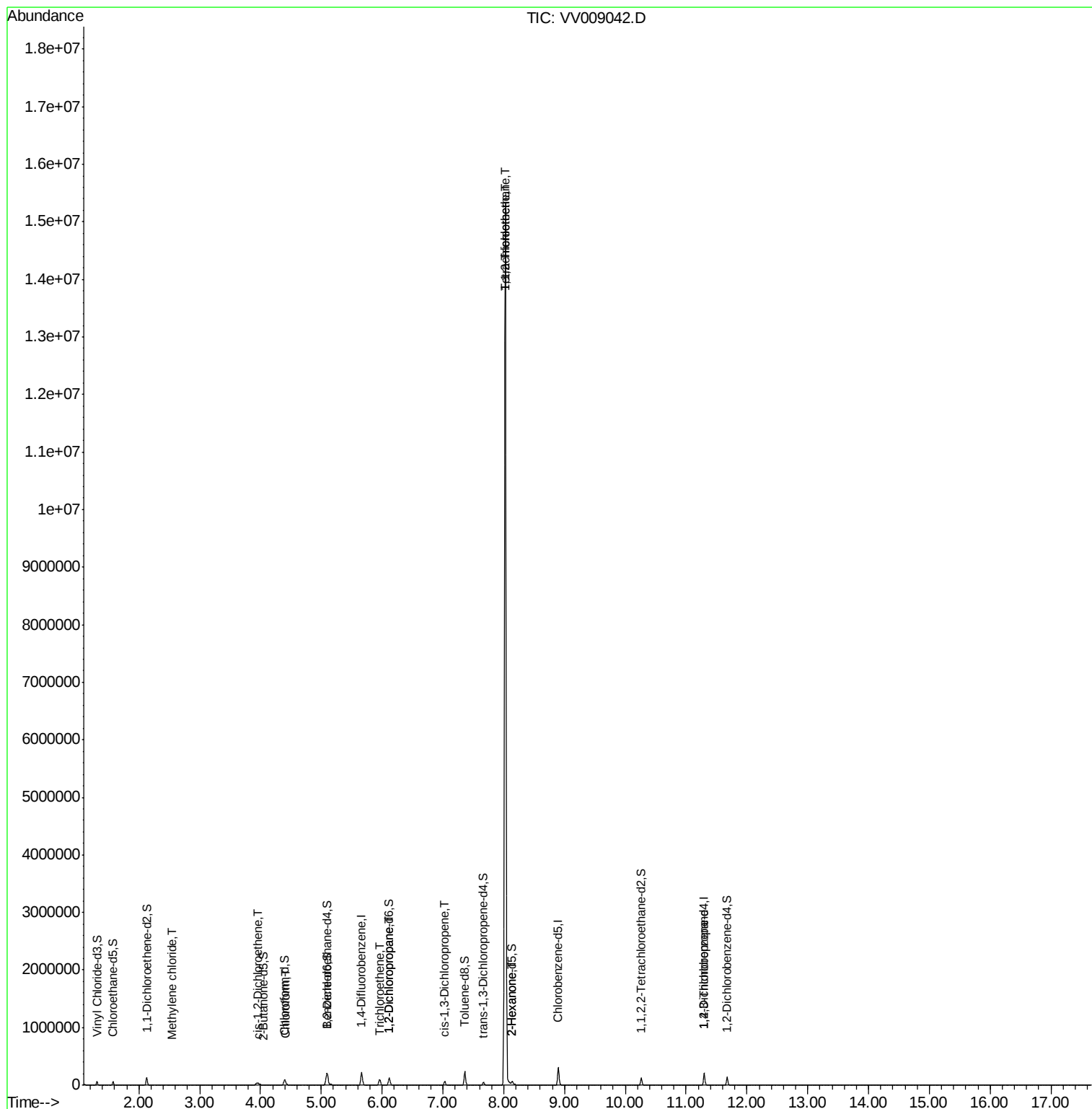
						Qvalue
16) Methylene chloride	2.54	84	2943	0.889	ug/L	87
22) cis-1,2-Dichloroethene	3.96	96	7362	2.578	ug/L	94
25) Chloroform	4.43	83	2586	0.543	ug/L #	17
35) Trichloroethene	5.96	95	30572	9.591	ug/L	99
40) 1,2-Dichloropropane	6.12	63	6506	2.564	ug/L #	85
42) cis-1,3-Dichloropropene	7.03	75	1476	0.397	ug/L #	44
46) 1,1,2-Trichloroethane	8.03	97	30507	14.428	ug/L #	2
47) Tetrachloroethene	8.03	164	3492468	1347.204	ug/L	97
49) 2-Hexanone	8.14	43	2864	2.018	ug/L #	62
59) 1,2,3-Trichloropropane	11.30	75	6151	3.110	ug/L #	80

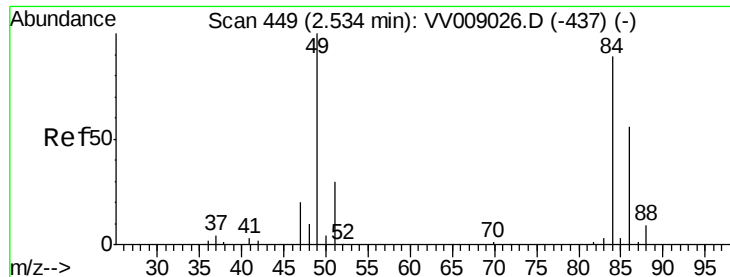
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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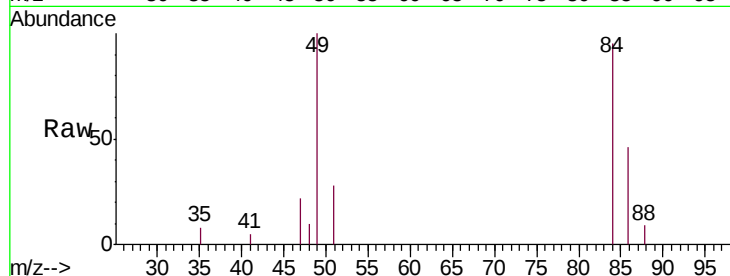




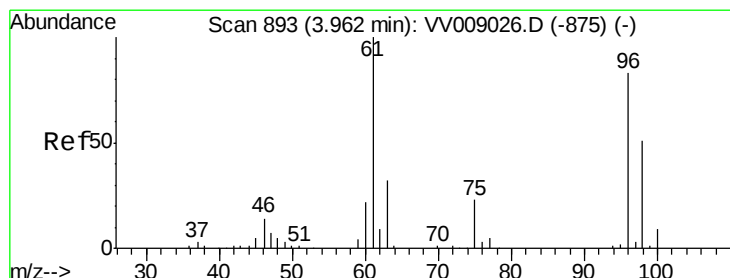
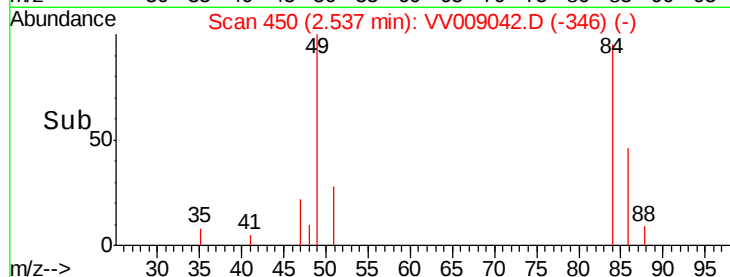
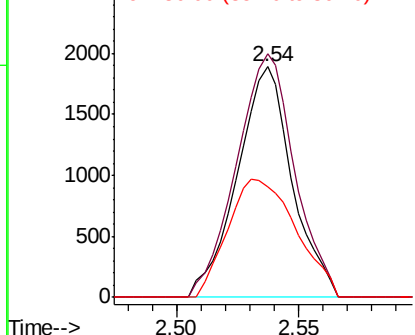
#16
Methylene chloride
Concen: 0.889 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009042.D
Acq: 19 Dec 2018 04:37

Instrument :
MSVOA_V
ClientSampled :
BF043

Tgt Ion: 84 Resp: 2943
Ion Ratio Lower Upper
84 100
49 105.6 80.5 149.5
86 48.1 45.5 84.5

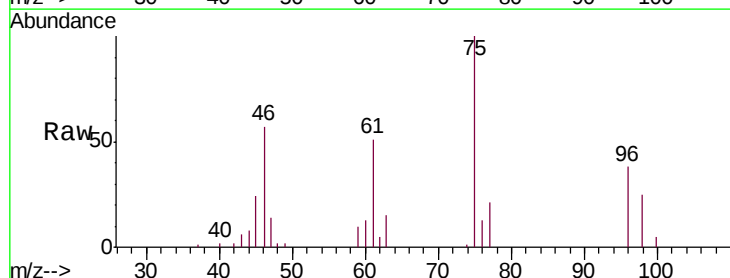


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

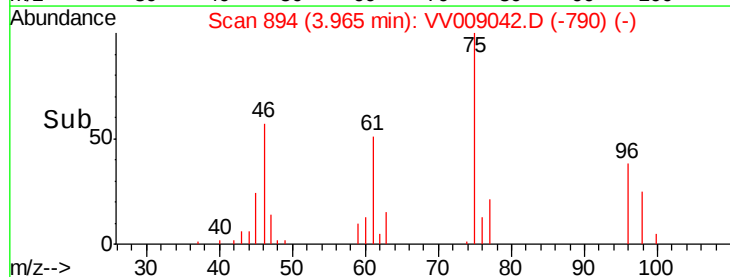
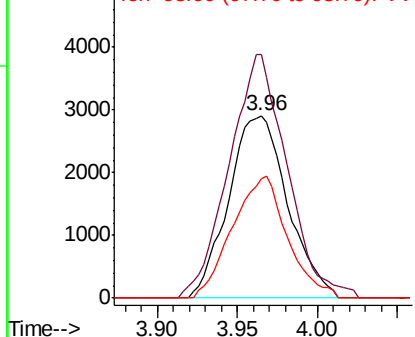


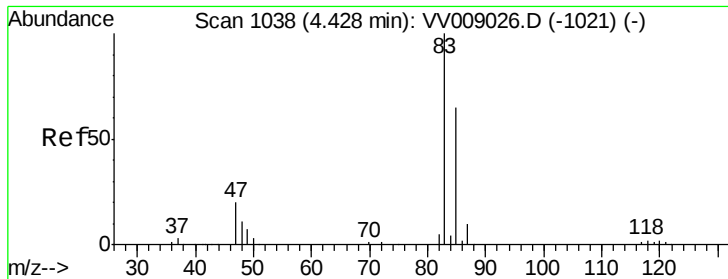
#22
cis-1,2-Dichloroethene
Concen: 2.578 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV009042.D
Acq: 19 Dec 2018 04:37

Tgt Ion: 96 Resp: 7362
Ion Ratio Lower Upper
96 100
61 133.3 86.2 160.0
98 65.2 45.6 84.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

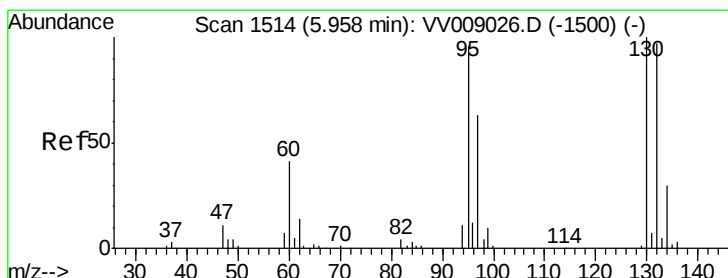
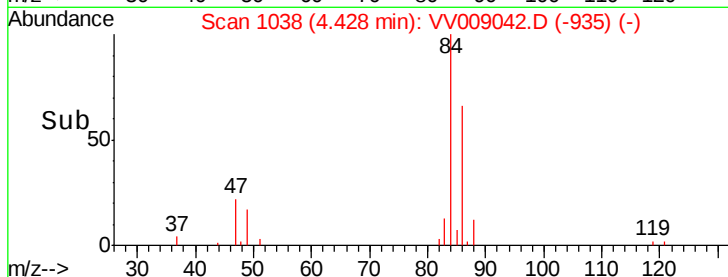
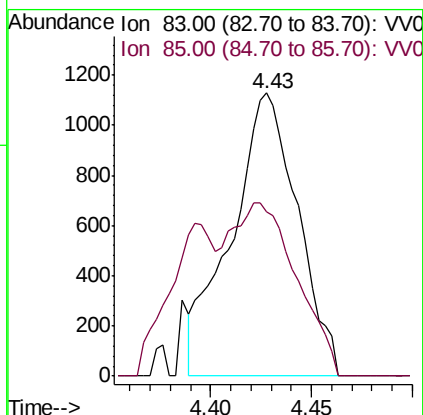
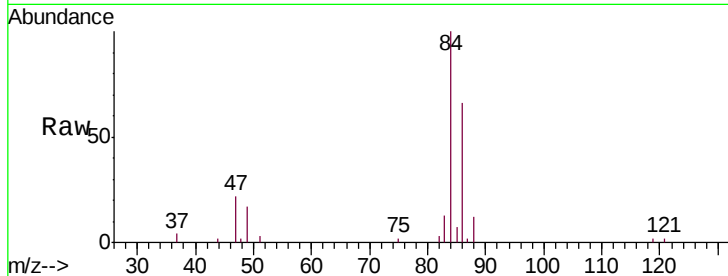




#25
Chloroform
Concen: 0.543 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009042.D
Acq: 19 Dec 2018 04:37

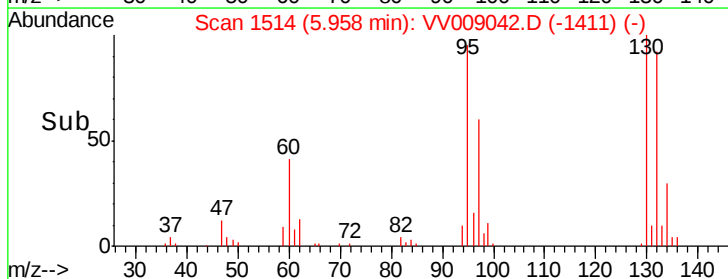
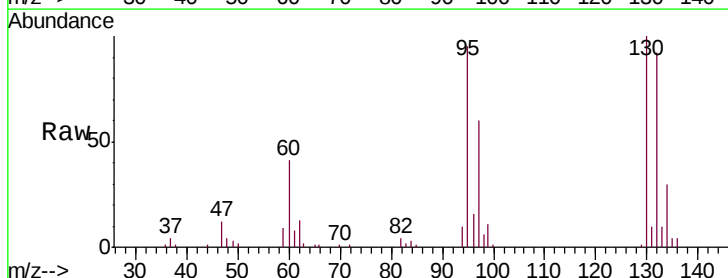
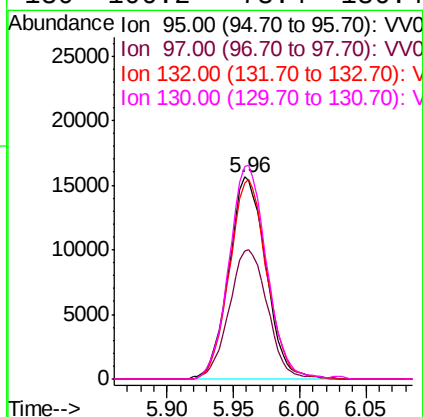
Instrument :
MSVOA_V
ClientSampleId :
BF043

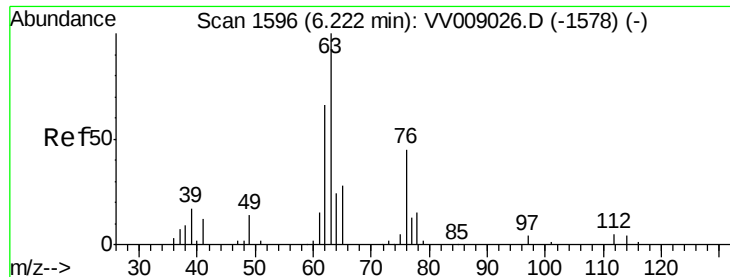
Tgt Ion: 83 Resp: 2586
Ion Ratio Lower Upper
83 100
85 0.0 45.6 84.8#



#35
Trichloroethene
Concen: 9.591 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV009042.D
Acq: 19 Dec 2018 04:37

Tgt Ion: 95 Resp: 30572
Ion Ratio Lower Upper
95 100
97 65.3 45.3 84.1
132 98.8 70.0 130.0
130 106.2 73.4 136.4

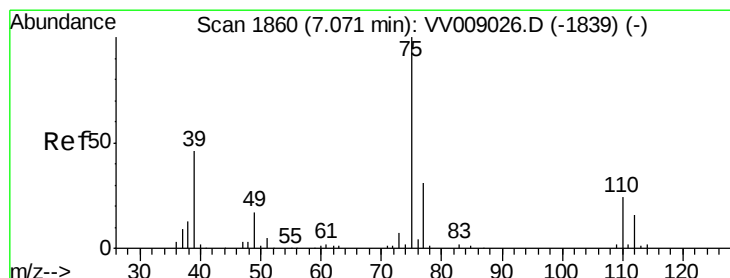
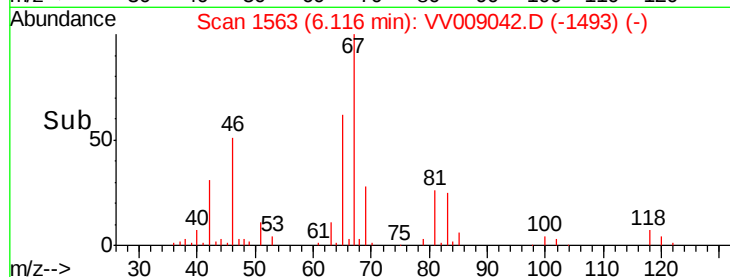
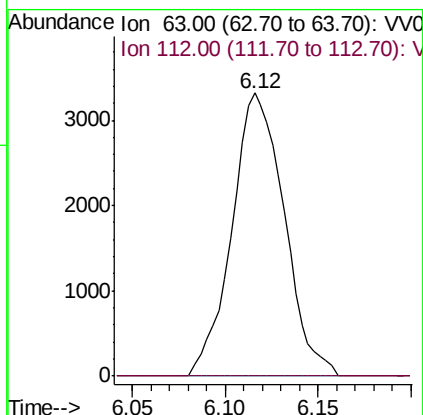
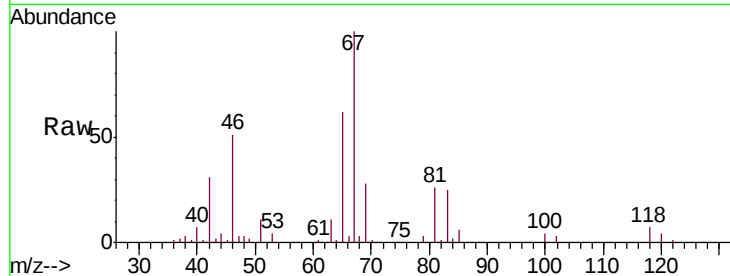




#40
 1,2-Dichloropropane
 Concen: 2.564 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.11 min
 Lab File: VV009042.D
 Acq: 19 Dec 2018 04:37

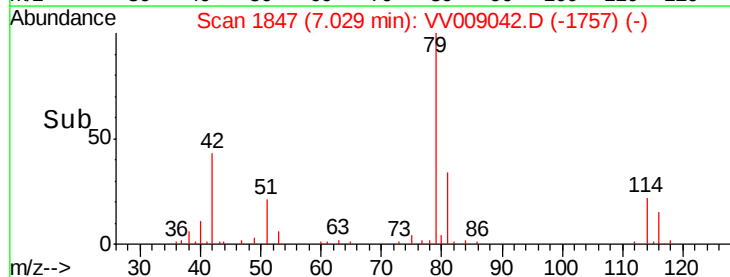
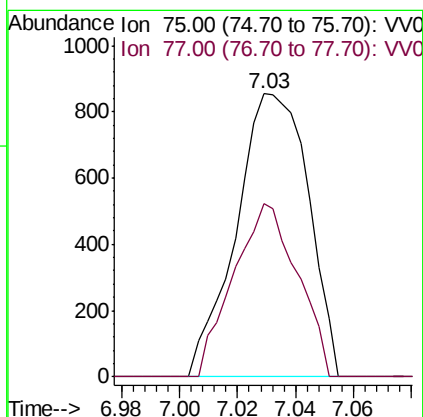
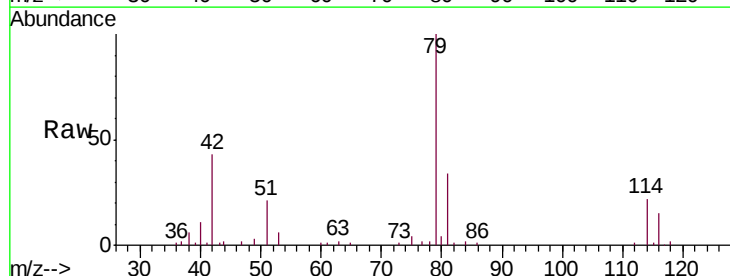
Instrument :
 MSVOA_V
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 BF043

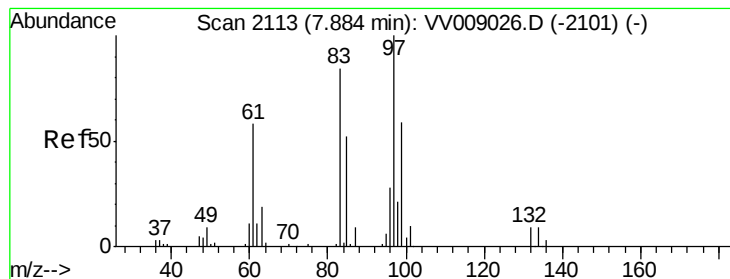
Tgt Ion: 63 Resp: 6506
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8#



#42
 cis-1,3-Dichloropropene
 Concen: 0.397 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009042.D
 Acq: 19 Dec 2018 04:37

Tgt Ion: 75 Resp: 1476
 Ion Ratio Lower Upper
 75 100
 77 61.1 21.3 39.6#





#46

1,1,2-Trichloroethane

Concen: 14.428 ug/L

RT: 8.03 min Scan# 2157

Delta R.T. 0.14 min

Lab File: VV009042.D

Acq: 19 Dec 2018 04:37

Instrument :

MSVOA_V

ClientSampleId :

BF043

Tgt Ion: 97 Resp: 30507

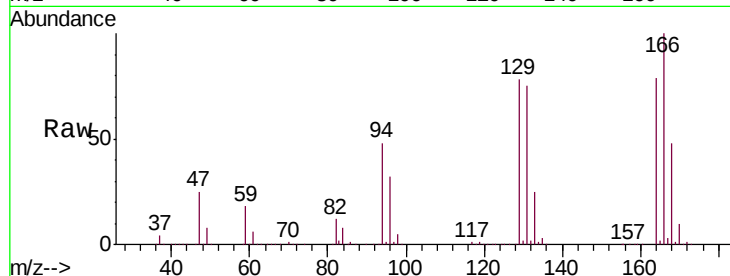
Ion Ratio Lower Upper

97 100

83 235.0 56.6 105.2#

85 35.3 36.6 68.0#

99 14.1 43.2 80.2#

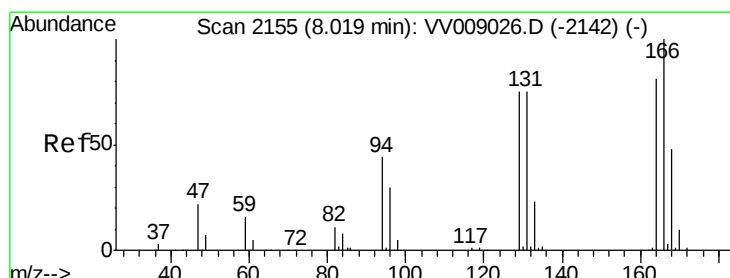
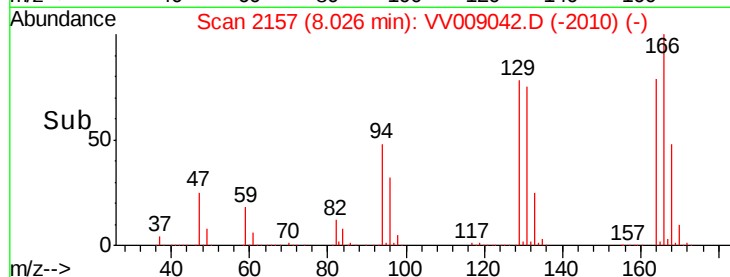
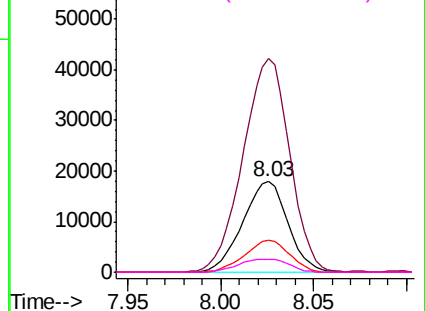


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47

Tetrachloroethene

Concen: 1347.204 ug/L

RT: 8.03 min Scan# 2157

Delta R.T. 0.01 min

Lab File: VV009042.D

Acq: 19 Dec 2018 04:37

Tgt Ion:164 Resp: 3492468

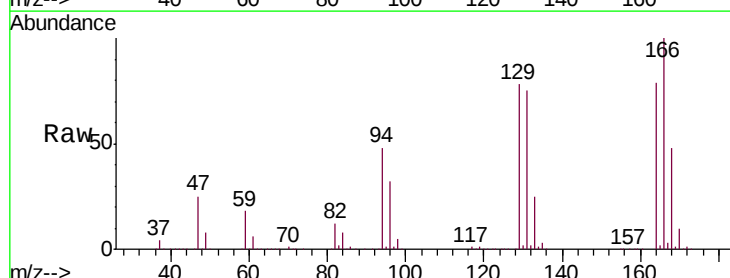
Ion Ratio Lower Upper

164 100

129 98.9 64.6 120.0

131 95.6 64.5 119.7

166 127.0 88.7 164.7

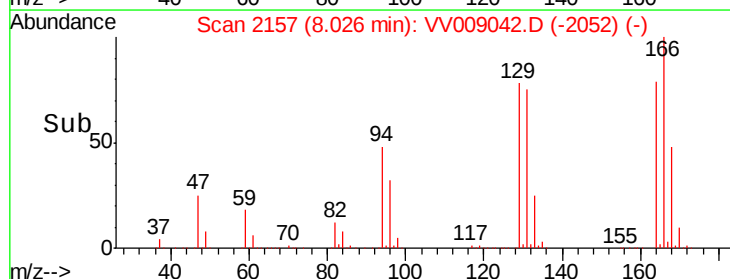
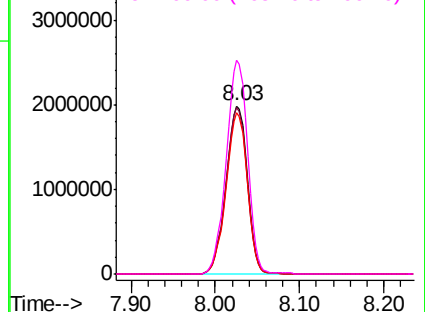


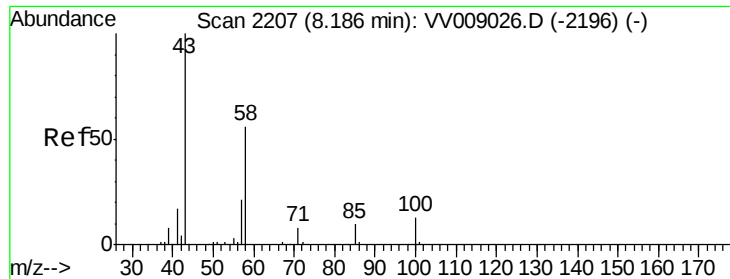
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

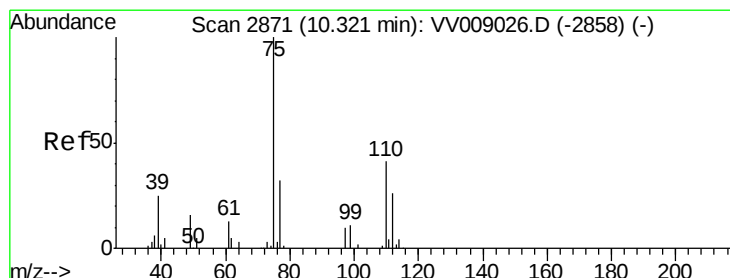
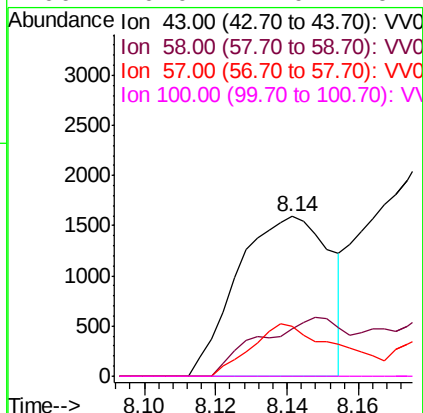
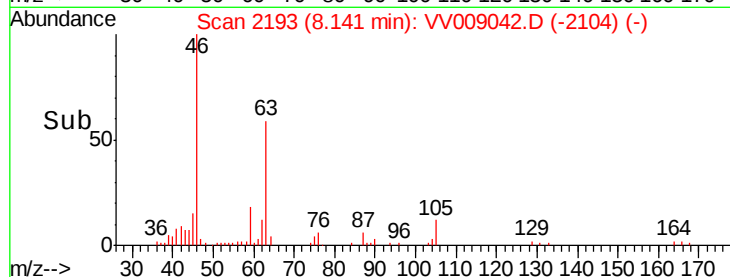
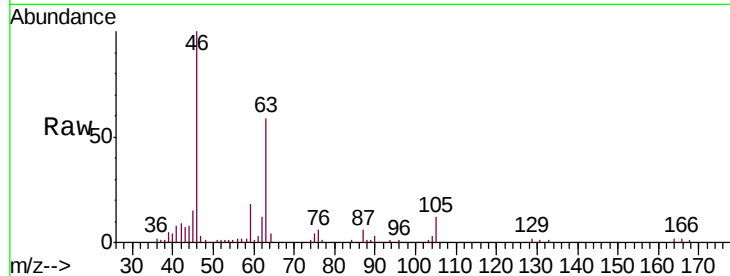




#49
2-Hexanone
Concen: 2.018 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. -0.05 min
Lab File: VV009042.D
Acq: 19 Dec 2018 04:37

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ClientSampleId :
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Tgt Ion: 43 Resp: 2864
Ion Ratio Lower Upper
43 100
58 23.4 43.9 65.9#
57 31.1 15.7 23.5#
100 0.0 11.0 16.4#



#59
1,2,3-Trichloropropane
Concen: 3.110 ug/L
RT: 11.30 min Scan# 3175
Delta R.T. 0.98 min
Lab File: VV009042.D
Acq: 19 Dec 2018 04:37

Tgt Ion: 75 Resp: 6151
Ion Ratio Lower Upper
75 100
77 43.2 25.6 38.4#

