

Data File : VV009048.D
Acq On : 19 Dec 2018 13:13
Operator : SY/MD
Sample : J6419-17
Misc : 5.95G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF045

Quant Time: Dec 20 02:01:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 20 01:58:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	233835	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	181515	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	45460	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57116	23.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.40%
7) Chloroethane-d5	1.58	69	63759	35.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	142.68%
10) 1,1-Dichloroethene-d2	2.13	63	155597	25.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.88%
20) 2-Butanone-d5	3.94	46	32718	37.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.28%
24) Chloroform-d	4.40	84	157651	28.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.16%
26) 1,2-Dichloroethane-d4	5.08	65	92793	30.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	121.00%
29) Benzene-d6	5.10	84	305252	30.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	120.44%
33) 1,2-Dichloropropane-d6	6.12	67	93492	32.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	131.76%#
37) Toluene-d8	7.36	98	250344	26.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.72%
38) trans-1,3-Dichloropropene-	7.66	79	37735	30.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	121.04%
39) 2-Hexanone-d5	8.14	63	21073	40.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.06%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	57782	24.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.08%
61) 1,2-Dichlorobenzene-d4	11.68	152	42003	24.62	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.48%

Target Compounds

					Qvalue
12) 1,1-Dichloroethene	2.13	96	1296	0.430 ug/L #	1
13) Acetone	2.20	43	3489	2.688 ug/L	100
16) Methylene chloride	2.54	84	5597	1.421 ug/L	90
22) cis-1,2-Dichloroethene	3.96	96	2044	0.602 ug/L	92
25) Chloroform	4.42	83	3606	0.636 ug/L	90
35) Trichloroethene	5.96	95	8746	2.668 ug/L	95
42) cis-1,3-Dichloropropene	7.03	75	2714	0.710 ug/L	85
45) trans-1,3-Dichloropropene	7.67	75	1719	0.516 ug/L #	74
46) 1,1,2-Trichloroethane	8.02	97	17099	7.863 ug/L #	1
47) Tetrachloroethene	8.02	164	2017847	756.793 ug/L	98
49) 2-Hexanone	8.19	43	5069	3.473 ug/L #	82
50) Dibromochloromethane	8.02	129	1957936	785.422 ug/L #	11
59) 1,2,3-Trichloropropane	11.30	75	5220	2.566 ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	385	0.260 ug/L #	78
69) Naphthalene	13.56	128	1321	0.517 ug/L #	77

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Thu Dec 20 01:58:47 2018
Response via : Initial Calibration

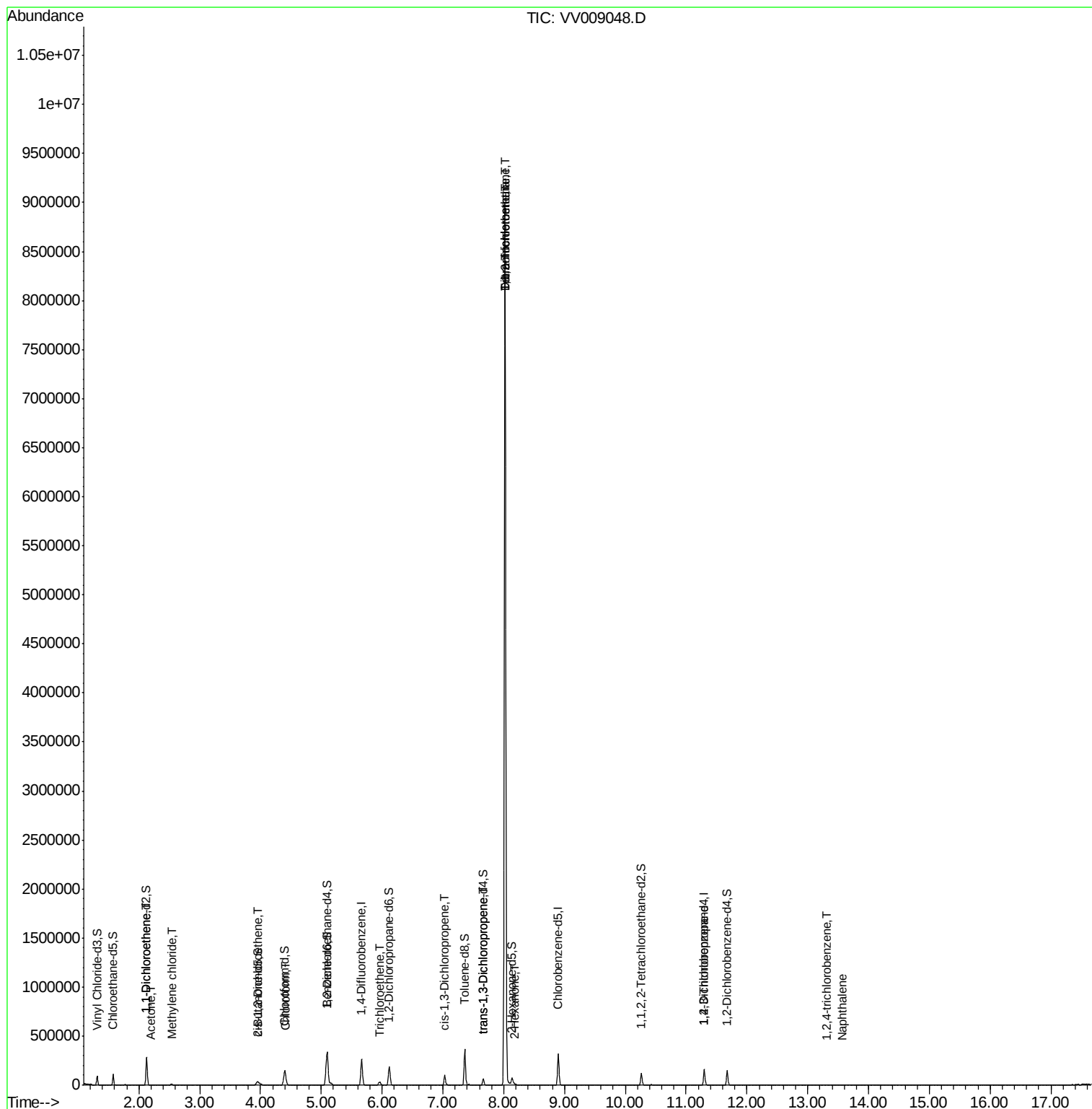
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

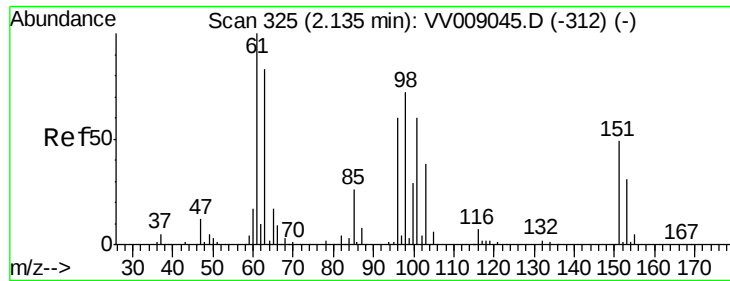
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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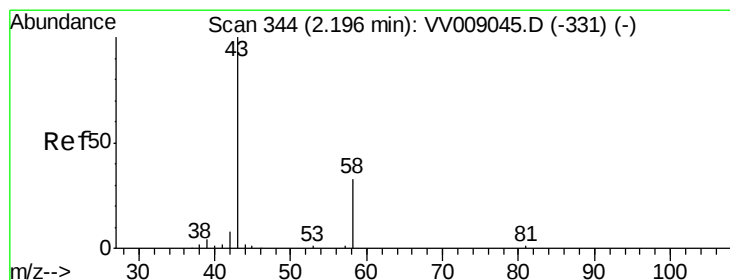
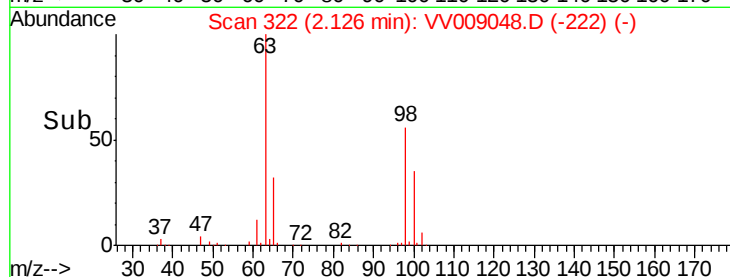
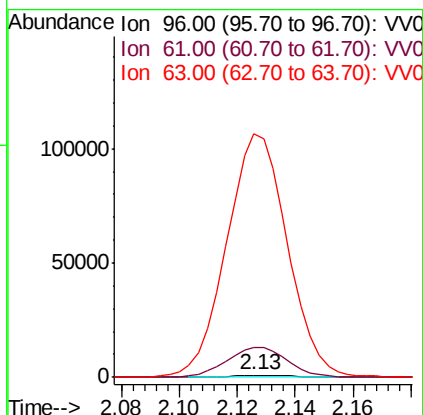
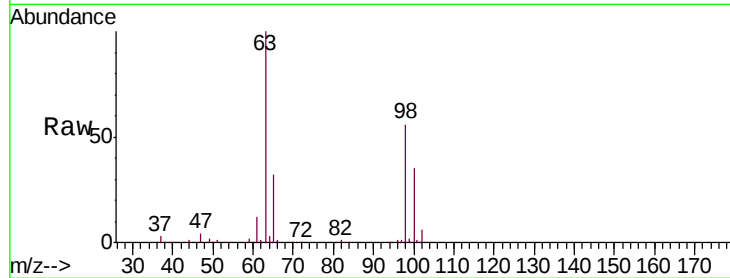




#12
 1,1-Dichloroethene
 Concen: 0.430 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. -0.01 min
 Lab File: VV009048.D
 Acq: 19 Dec 2018 13:13

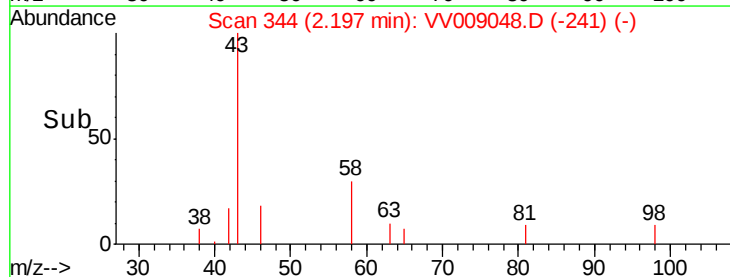
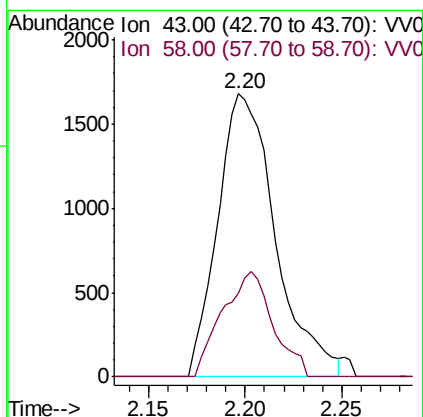
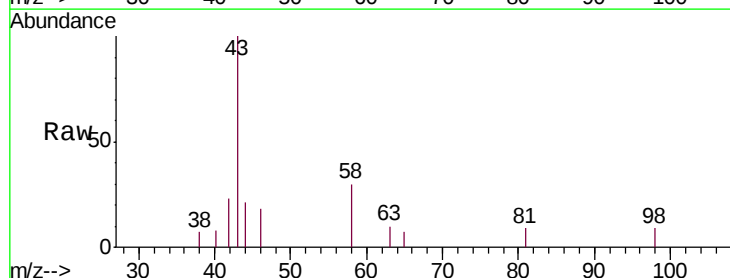
Instrument :
 MSVOA_V
 ClientSampled :
 BF045

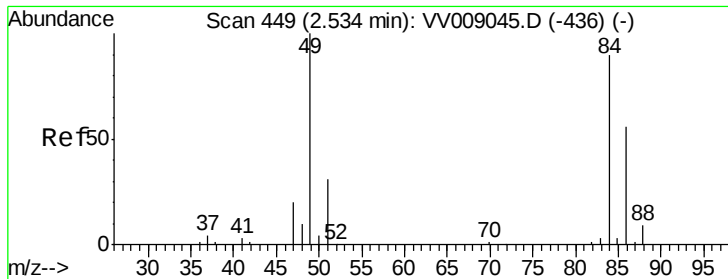
Tgt Ion: 96 Resp: 1296
 Ion Ratio Lower Upper
 96 100
 61 1496.5 114.0 211.6#
 63 12070.7 82.4 153.0#



#13
 Acetone
 Concen: 2.688 ug/L
 RT: 2.20 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VV009048.D
 Acq: 19 Dec 2018 13:13

Tgt Ion: 43 Resp: 3489
 Ion Ratio Lower Upper
 43 100
 58 32.6 0.0 65.4

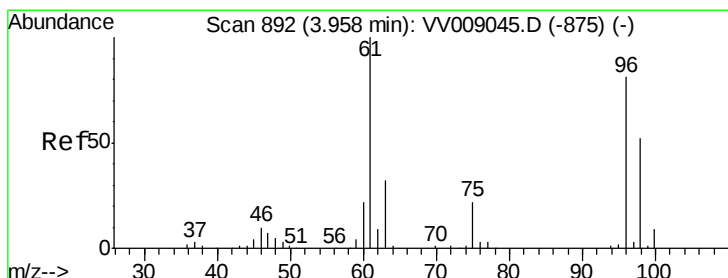
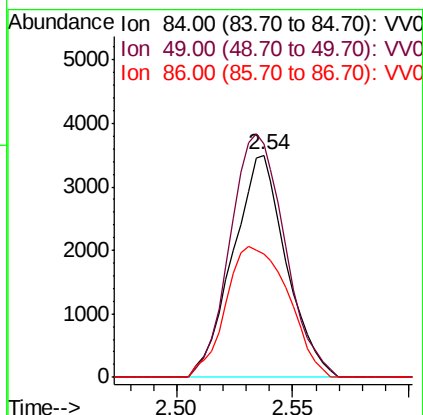
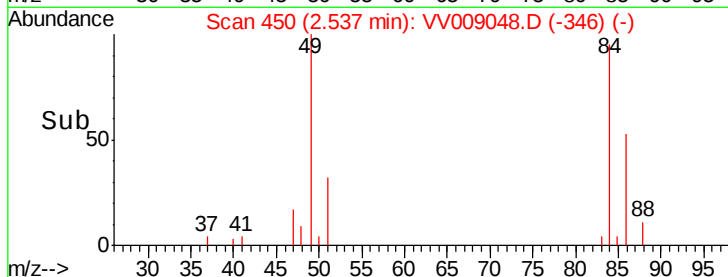
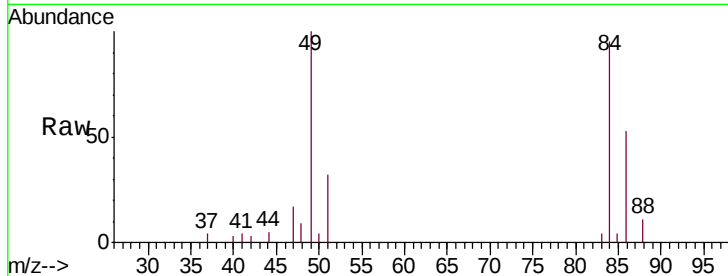




#16
Methylene chloride
Concen: 1.421 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009048.D
Acq: 19 Dec 2018 13:13

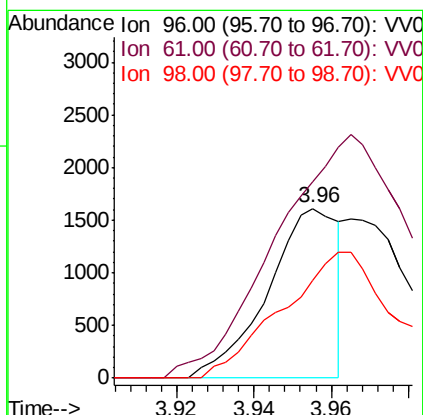
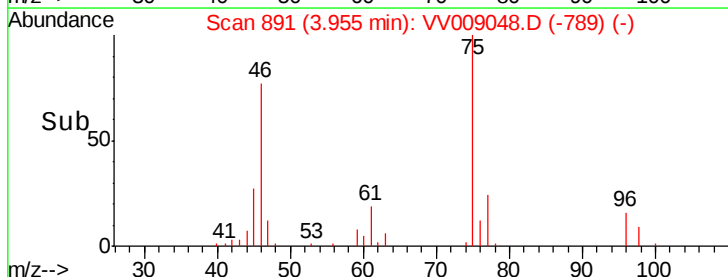
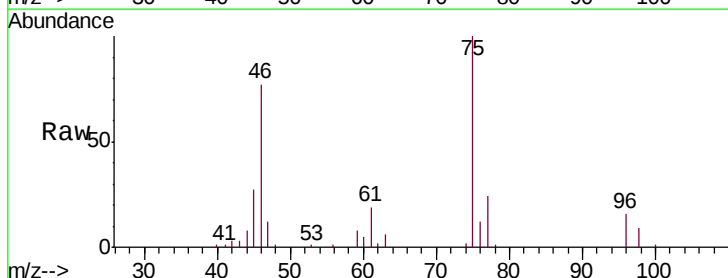
Instrument :
MSVOA_V
ClientSampleId :
BF045

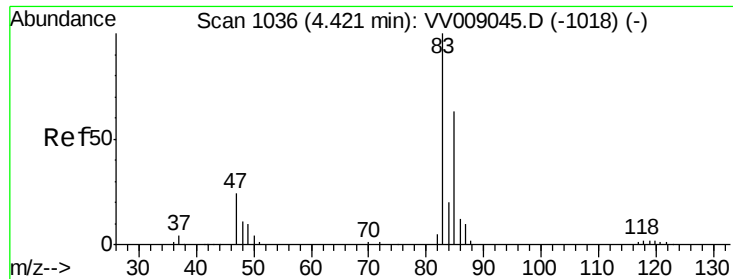
Tgt Ion: 84 Resp: 5597
Ion Ratio Lower Upper
84 100
49 104.8 80.5 149.5
86 55.3 45.5 84.5



#22
cis-1,2-Dichloroethene
Concen: 0.602 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV009048.D
Acq: 19 Dec 2018 13:13

Tgt Ion: 96 Resp: 2044
Ion Ratio Lower Upper
96 100
61 115.4 86.2 160.0
98 57.7 45.6 84.6

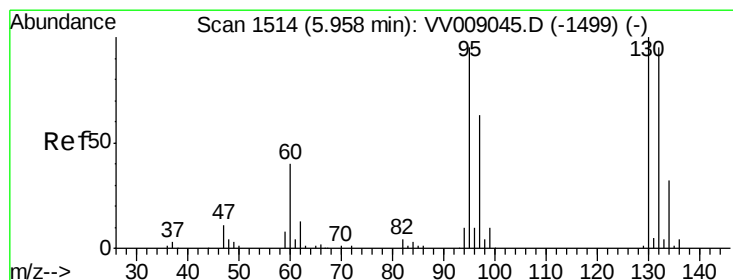
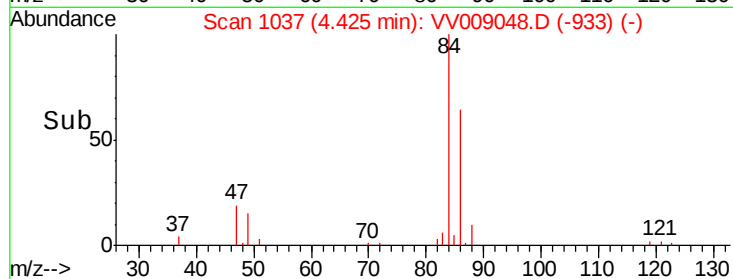
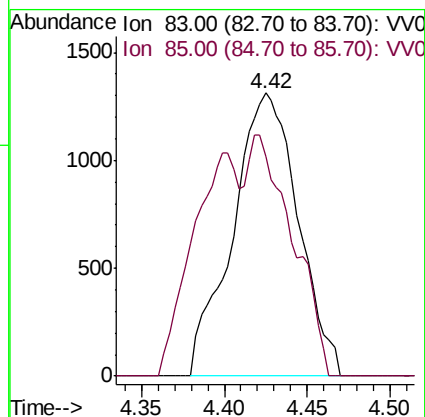
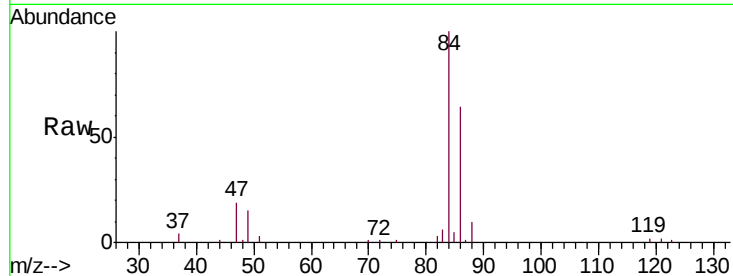




#25
Chloroform
Concen: 0.636 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV009048.D
Acq: 19 Dec 2018 13:13

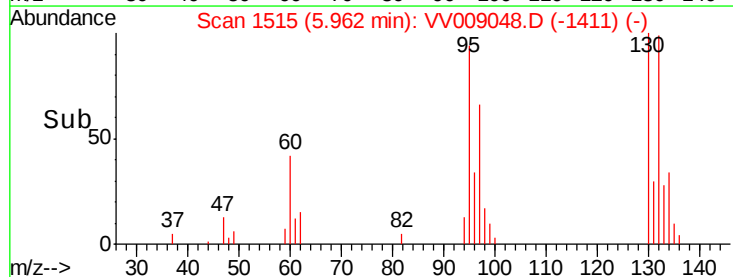
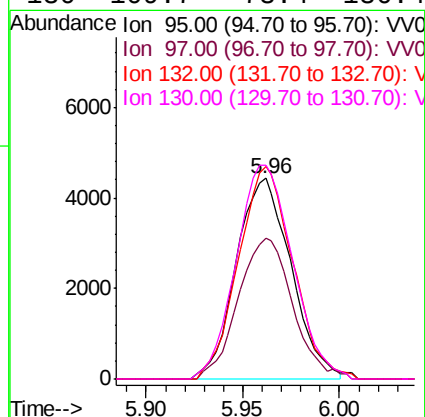
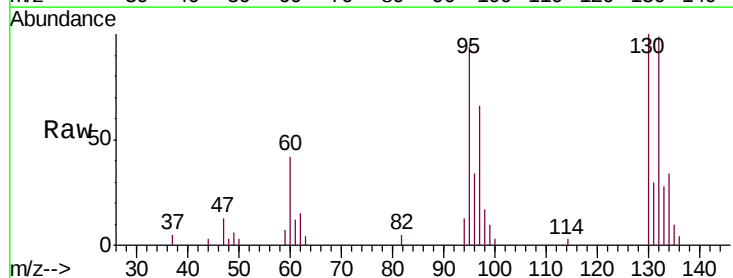
Instrument :
MSVOA_V
ClientSampled :
BF045

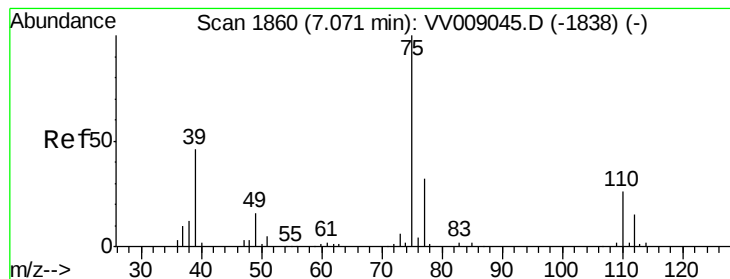
Tgt Ion: 83 Resp: 3606
Ion Ratio Lower Upper
83 100
85 56.9 45.6 84.8



#35
Trichloroethene
Concen: 2.668 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VV009048.D
Acq: 19 Dec 2018 13:13

Tgt Ion: 95 Resp: 8746
Ion Ratio Lower Upper
95 100
97 69.4 45.3 84.1
132 104.8 70.0 130.0
130 109.7 73.4 136.4



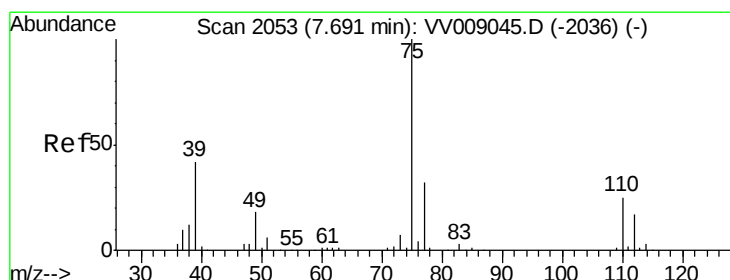
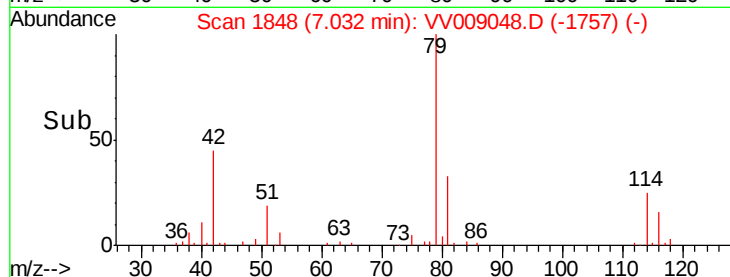
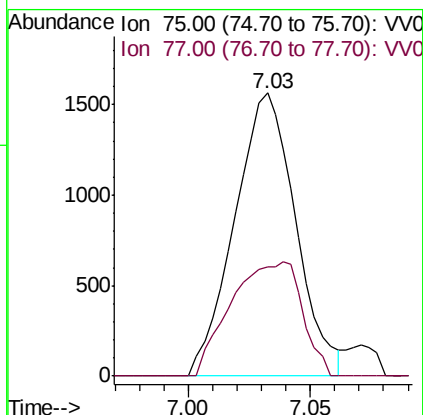
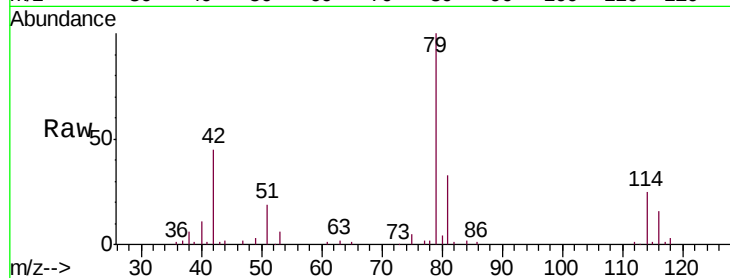


#42

cis-1,3-Dichloropropene
Concen: 0.710 ug/L
RT: 7.03 min Scan# 1848
Delta R.T. -0.04 min
Lab File: VV009048.D
Acq: 19 Dec 2018 13:13

Instrument :
MSVOA_V
ClientSampleId :
BF045

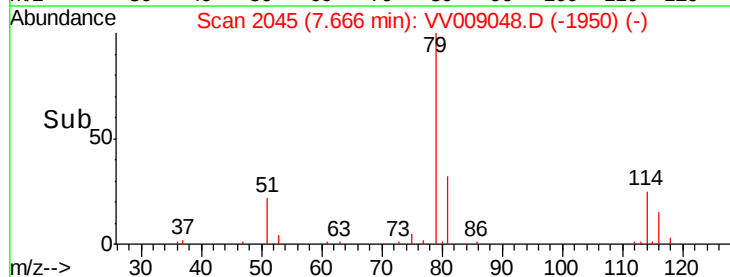
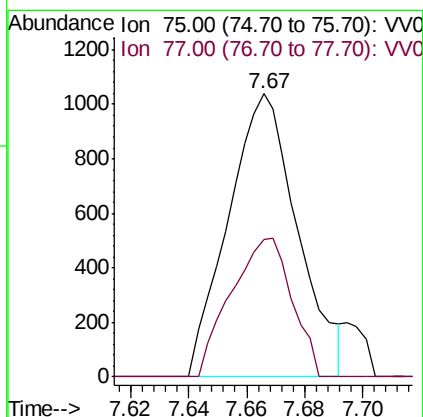
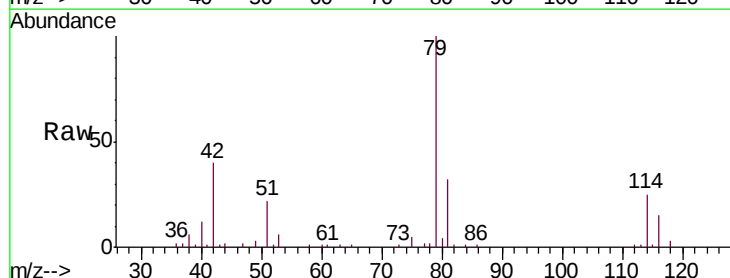
Tgt Ion: 75 Resp: 2714
Ion Ratio Lower Upper
75 100
77 38.7 21.3 39.6

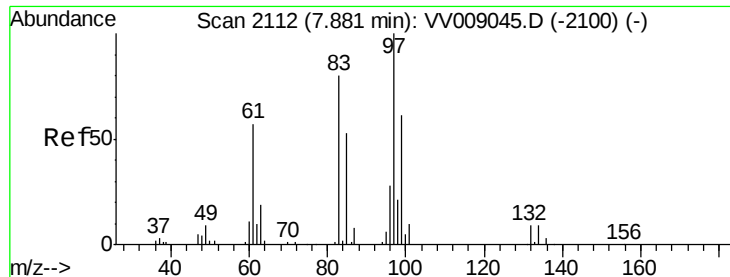


#45

trans-1,3-Dichloropropene
Concen: 0.516 ug/L
RT: 7.67 min Scan# 2045
Delta R.T. -0.03 min
Lab File: VV009048.D
Acq: 19 Dec 2018 13:13

Tgt Ion: 75 Resp: 1719
Ion Ratio Lower Upper
75 100
77 48.7 23.6 43.8#

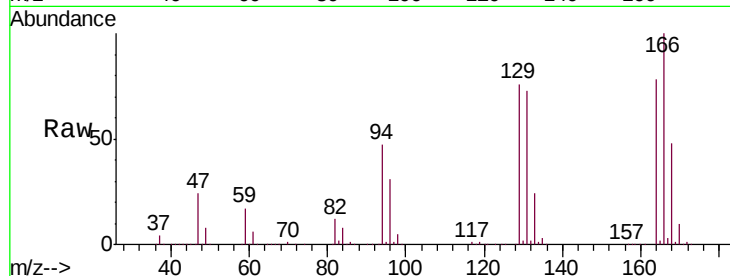




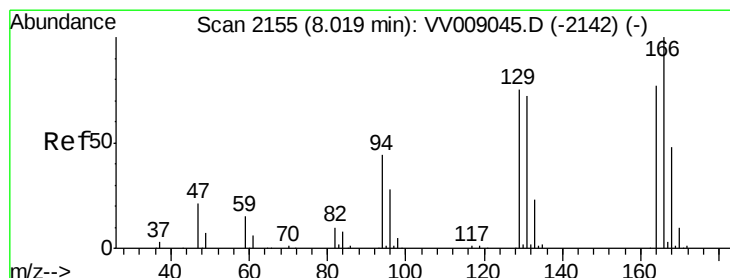
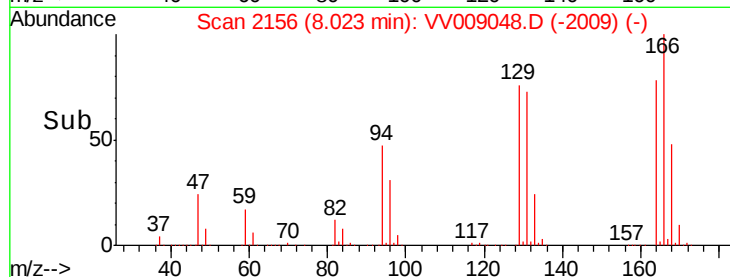
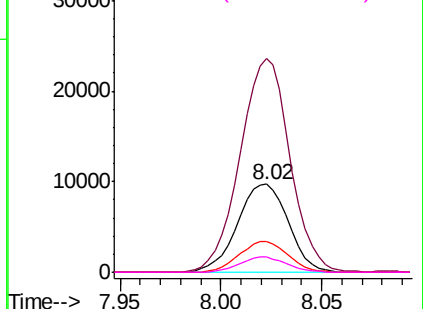
#46
 1,1,2-Trichloroethane
 Concen: 7.863 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.14 min
 Lab File: VV009048.D
 Acq: 19 Dec 2018 13:13

Instrument :
 MSVOA_V
 ClientSampleId :
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Tgt Ion: 97 Resp: 17099
 Ion Ratio Lower Upper
 97 100
 83 243.4 56.6 105.2#
 85 35.5 36.6 68.0#
 99 16.9 43.2 80.2#



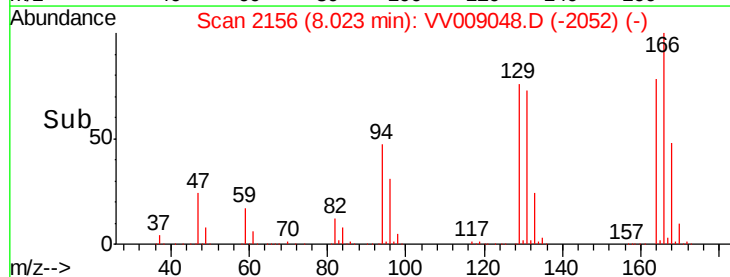
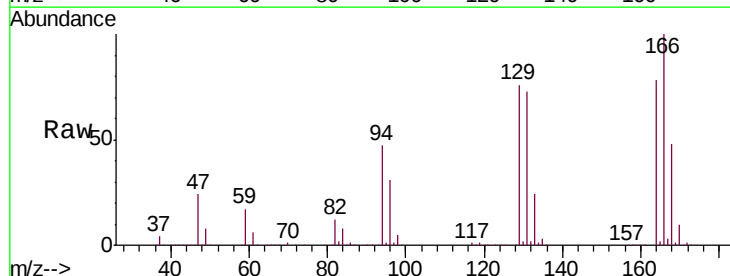
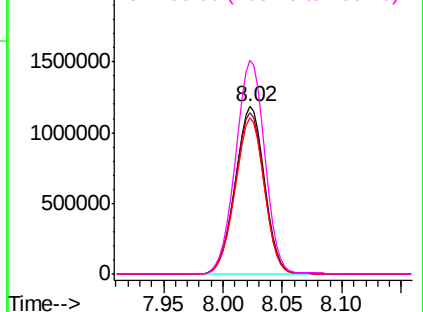
Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0

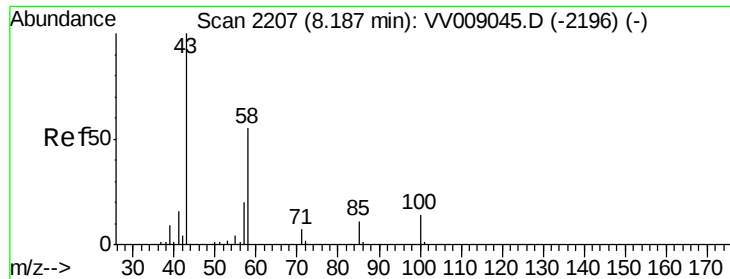


#47
 Tetrachloroethene
 Concen: 756.793 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV009048.D
 Acq: 19 Dec 2018 13:13

Tgt Ion: 164 Resp: 2017847
 Ion Ratio Lower Upper
 164 100
 129 96.4 64.6 120.0
 131 93.4 64.5 119.7
 166 127.5 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

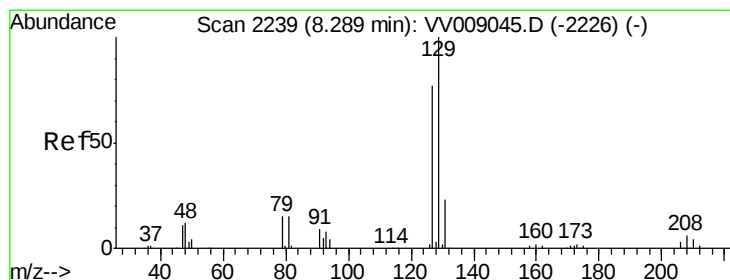
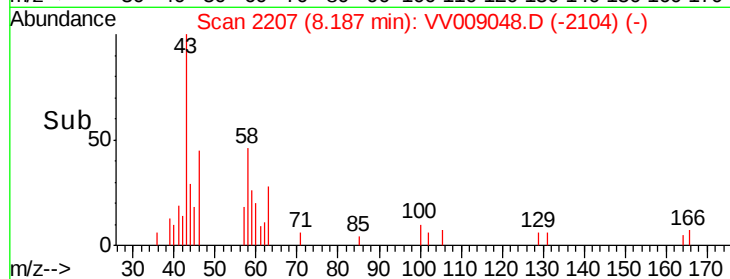
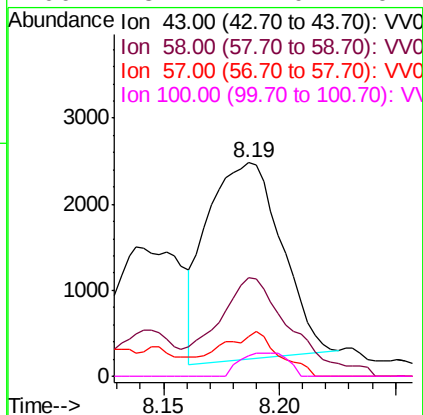
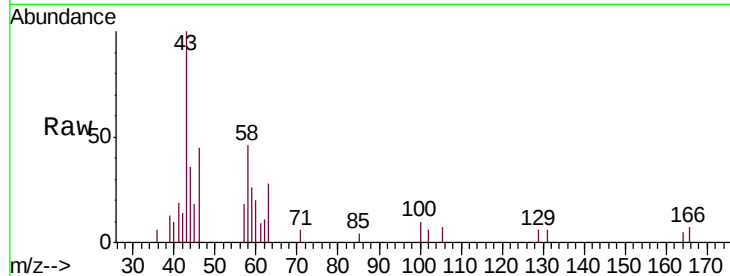




#49
2-Hexanone
Concen: 3.473 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV009048.D
Acq: 19 Dec 2018 13:13

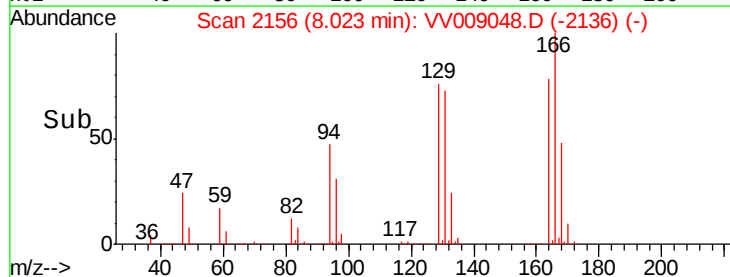
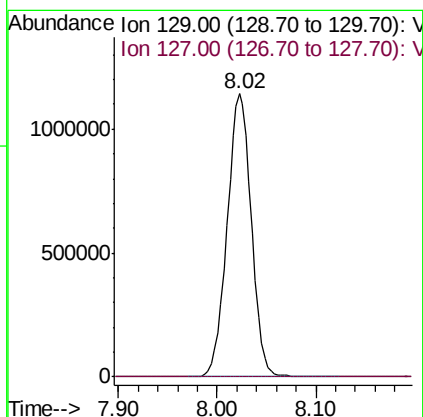
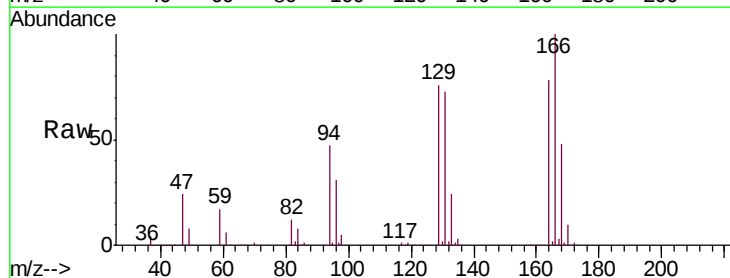
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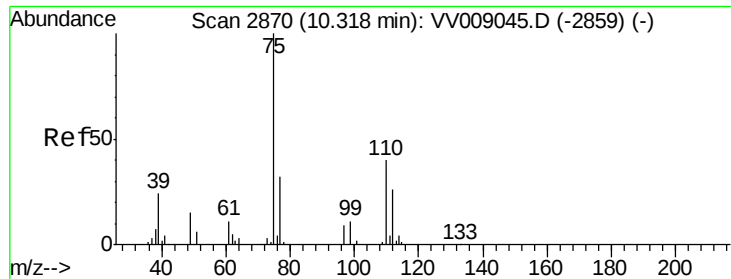
Tgt Ion: 43 Resp: 5069
Ion Ratio Lower Upper
43 100
58 42.9 43.9 65.9#
57 10.0 15.7 23.5#
100 5.2 11.0 16.4#



#50
Dibromochloromethane
Concen: 785.422 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. -0.27 min
Lab File: VV009048.D
Acq: 19 Dec 2018 13:13

Tgt Ion: 129 Resp: 1957936
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.3#

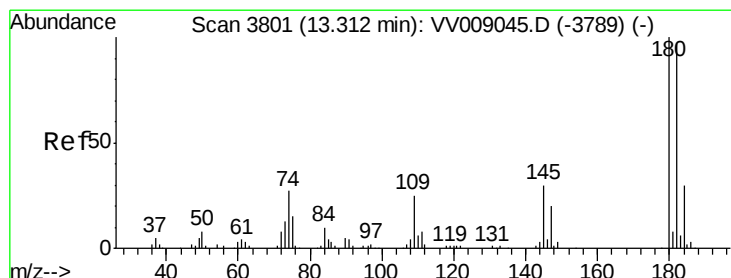
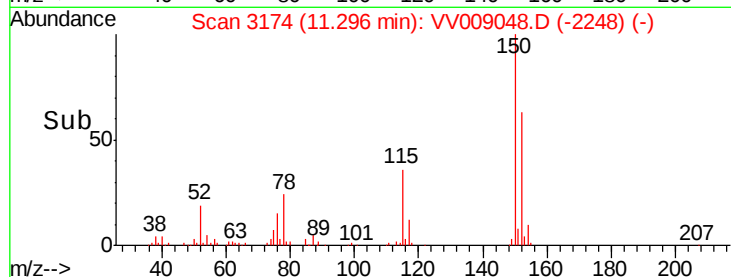
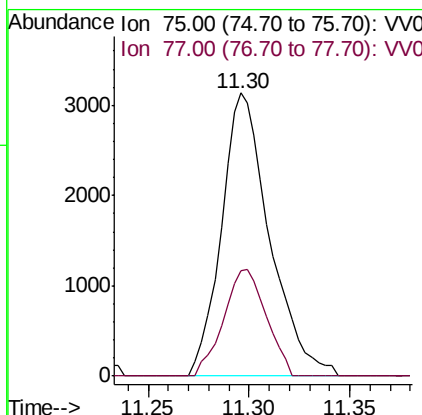
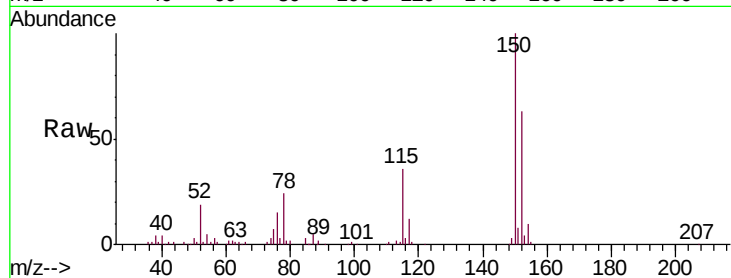




#59
 1,2,3-Trichloropropane
 Concen: 2.566 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.98 min
 Lab File: VV009048.D
 Acq: 19 Dec 2018 13:13

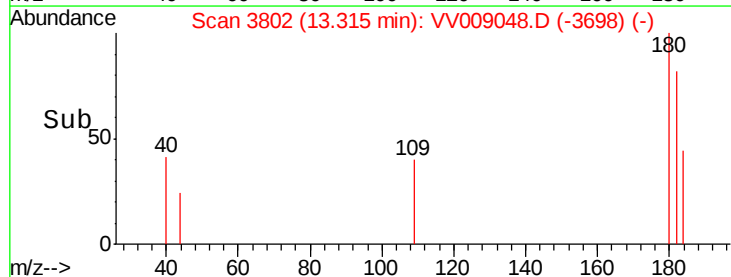
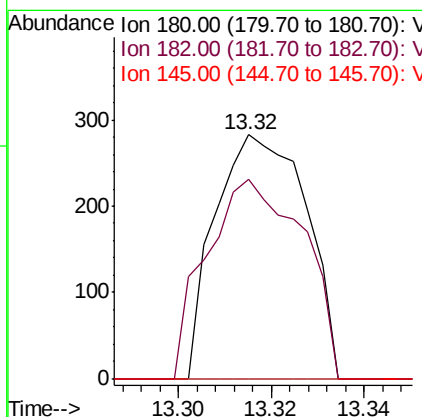
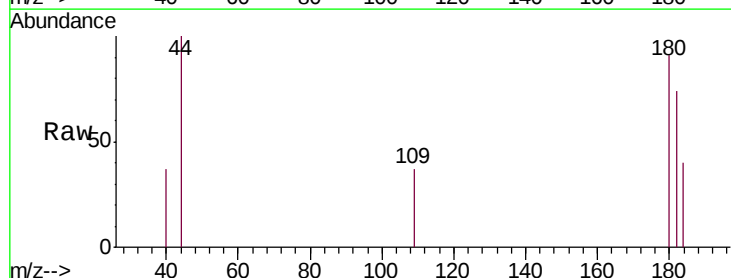
Instrument :
 MSVOA_V
 ClientSampled :
 BF045

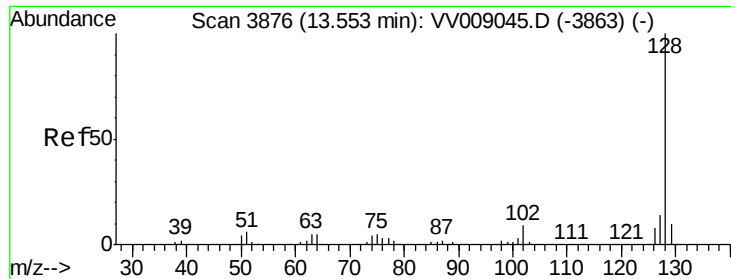
Tgt Ion: 75 Resp: 5220
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.6 38.4



#68
 1,2,4-trichlorobenzene
 Concen: 0.260 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV009048.D
 Acq: 19 Dec 2018 13:13

Tgt Ion: 180 Resp: 385
 Ion Ratio Lower Upper
 180 100
 182 87.0 77.4 116.0
 145 0.0 25.6 38.4#





#69

Naphthalene

Concen: 0.517 ug/L

RT: 13.56 min Scan# 3879

Delta R.T. 0.01 min

Lab File: VV009048.D

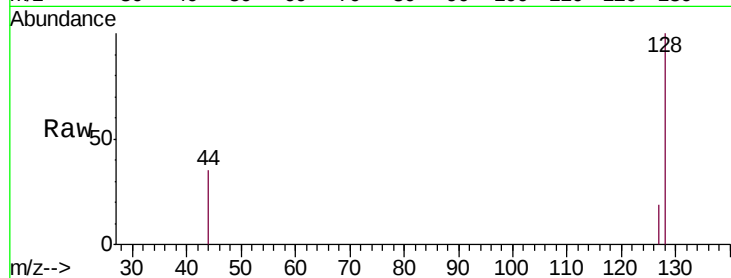
Acq: 19 Dec 2018 13:13

Instrument :

MSVOA_V

ClientSampleId :

BF045



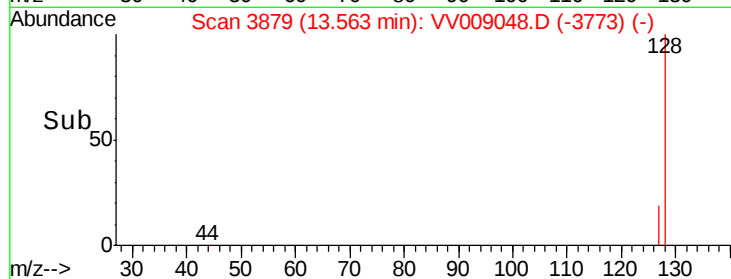
Tgt Ion:128 Resp: 1321

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

127 5.4 10.0 15.0#



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

