

Data File : VV009062.D
Acq On : 19 Dec 2018 21:54
Operator : SY/MD
Sample : J6471-02
Misc : 5.61G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9H11

Quant Time: Dec 20 03:49:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 20 03:44:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	176246	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	148743	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	54766	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	46539	25.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.08%
7) Chloroethane-d5	1.58	69	50826	37.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	150.88%#
10) 1,1-Dichloroethene-d2	2.13	63	93261	20.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.80%
20) 2-Butanone-d5	3.94	46	25706	38.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.42%
24) Chloroform-d	4.40	84	114931	27.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.52%
26) 1,2-Dichloroethane-d4	5.08	65	69601	30.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	120.40%
29) Benzene-d6	5.10	84	227307	27.36	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.44%
33) 1,2-Dichloropropane-d6	6.12	67	68233	29.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	117.36%
37) Toluene-d8	7.36	98	200108	26.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.12%
38) trans-1,3-Dichloropropene-	7.67	79	28073	27.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.88%
39) 2-Hexanone-d5	8.14	63	16736	39.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.56%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	50282	25.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.08%
61) 1,2-Dichlorobenzene-d4	11.68	152	53278	25.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.68%

Target Compounds

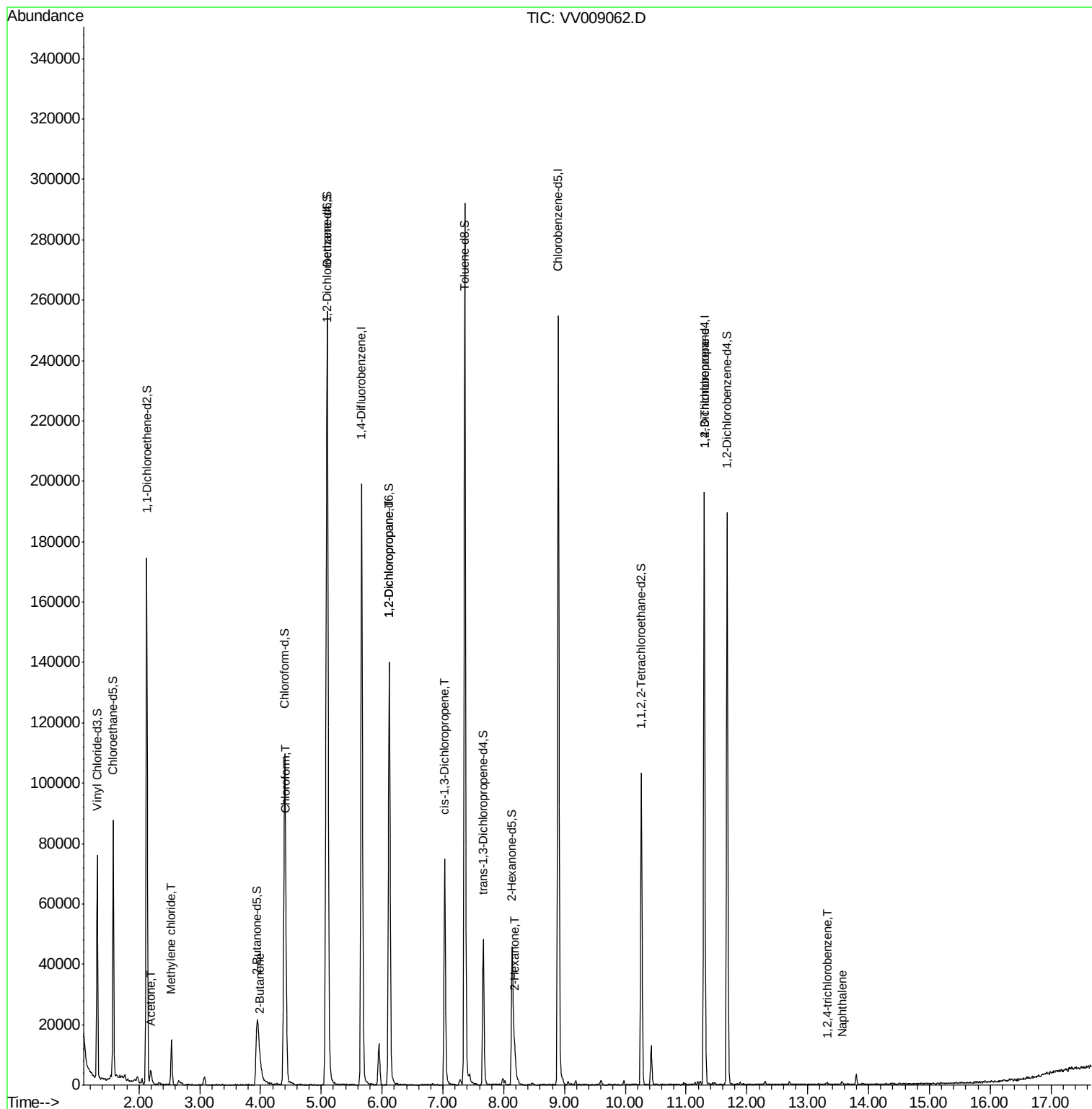
					Qvalue
13) Acetone	2.20	43	5636	5.761 ug/L	93
16) Methylene chloride	2.54	84	6686	2.253 ug/L	93
21) 2-Butanone	4.00	43	1802	1.965 ug/L #	47
25) Chloroform	4.42	83	3240	0.759 ug/L #	68
40) 1,2-Dichloropropane	6.12	63	7899	3.693 ug/L #	85
42) cis-1,3-Dichloropropene	7.04	75	1971	0.629 ug/L #	64
49) 2-Hexanone	8.18	43	7732	6.465 ug/L #	60
59) 1,2,3-Trichloropropane	11.30	75	5739	3.443 ug/L	90
68) 1,2,4-trichlorobenzene	13.32	180	389	0.218 ug/L #	73
69) Naphthalene	13.56	128	1442	0.469 ug/L #	76

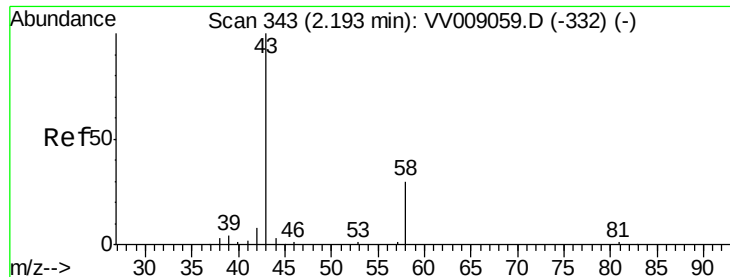
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 5.761 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.01 min

Lab File: VV009062.D

Acq: 19 Dec 2018 21:54

Instrument :

MSVOA_V

ClientSampleId :

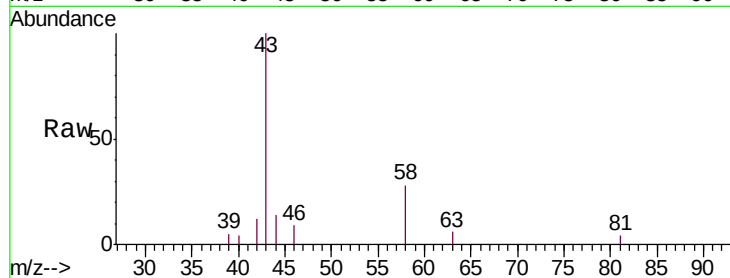
F9H11

Tgt Ion: 43 Resp: 5636

Ion Ratio Lower Upper

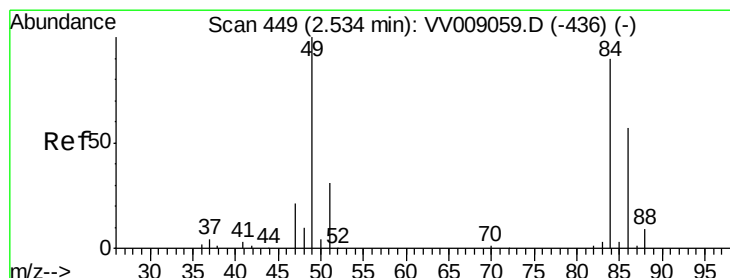
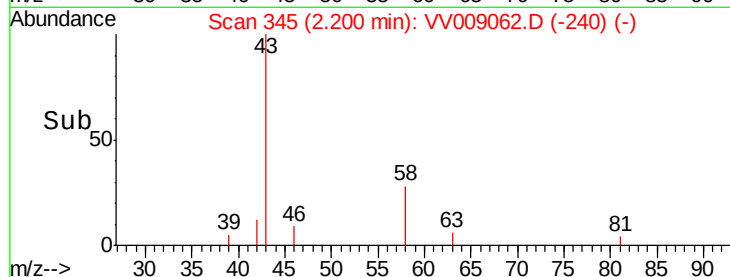
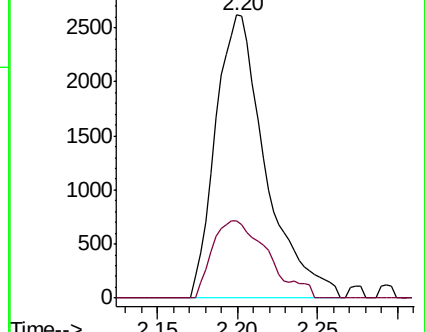
43 100

58 28.5 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV009059.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV009059.D (-332) (-)



#16

Methylene chloride

Concen: 2.253 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009062.D

Acq: 19 Dec 2018 21:54

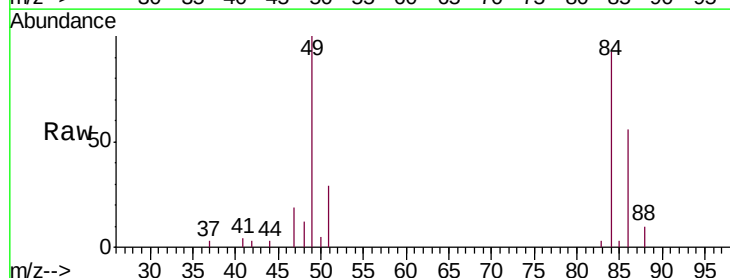
Tgt Ion: 84 Resp: 6686

Ion Ratio Lower Upper

84 100

49 107.1 80.5 149.5

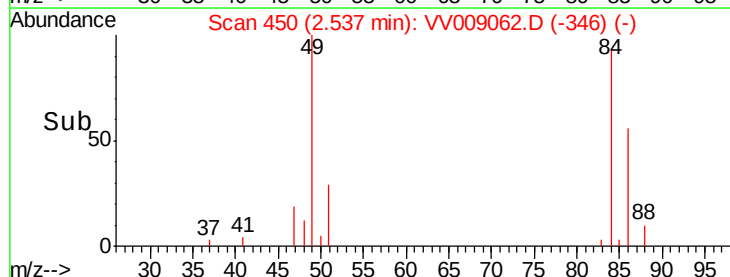
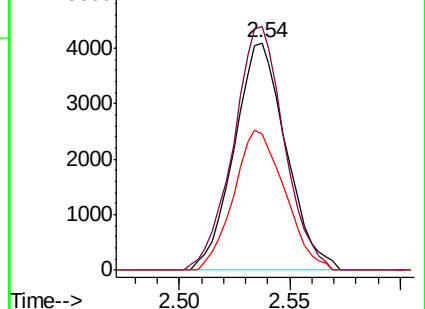
86 59.7 45.5 84.5

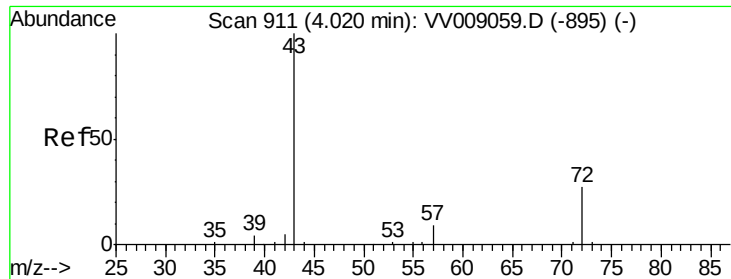


Abundance Ion 84.00 (83.70 to 84.70): VV009059.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV009059.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV009059.D (-436) (-)

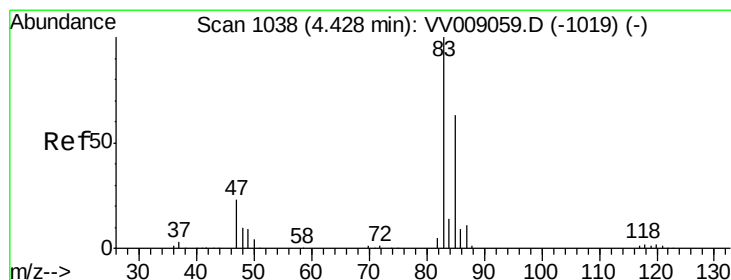
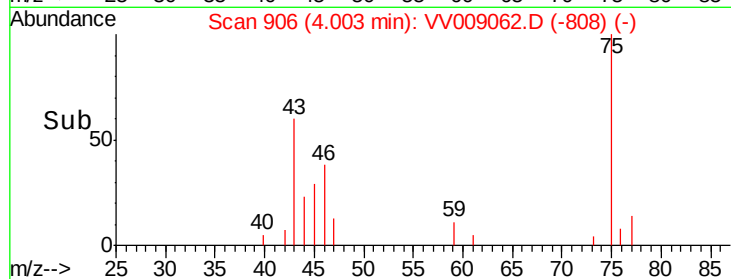
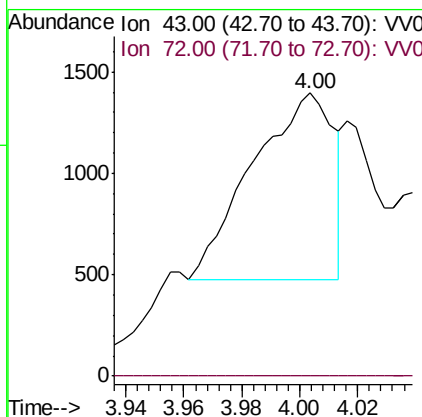
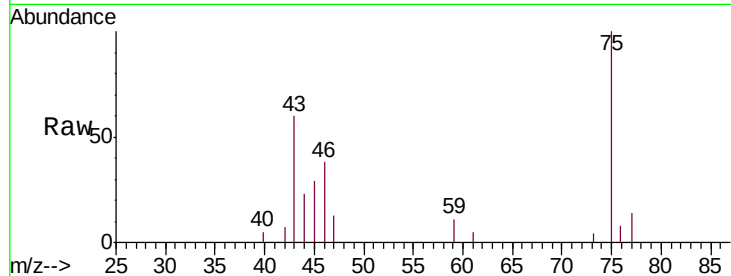




#21
 2-Butanone
 Concen: 1.965 ug/L
 RT: 4.00 min Scan# 906
 Delta R.T. -0.02 min
 Lab File: VV009062.D
 Acq: 19 Dec 2018 21:54

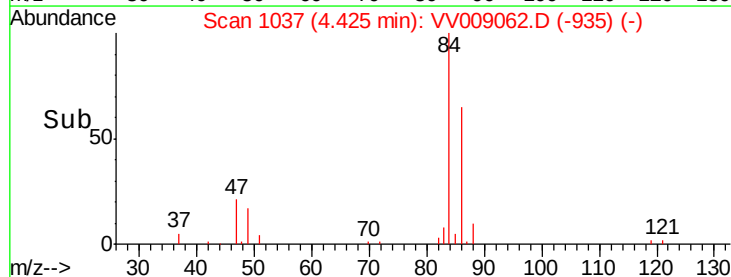
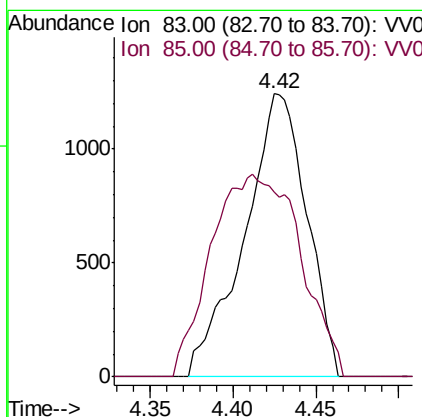
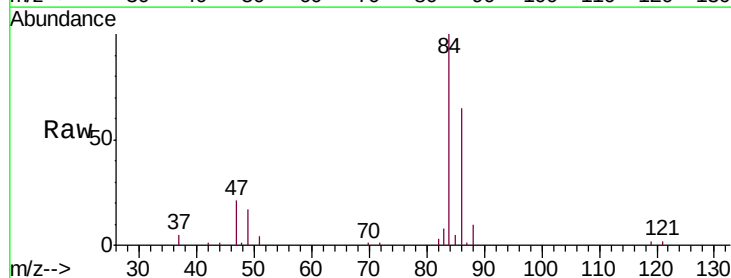
Instrument :
 MSVOA_V
 ClientSampled :
 F9H11

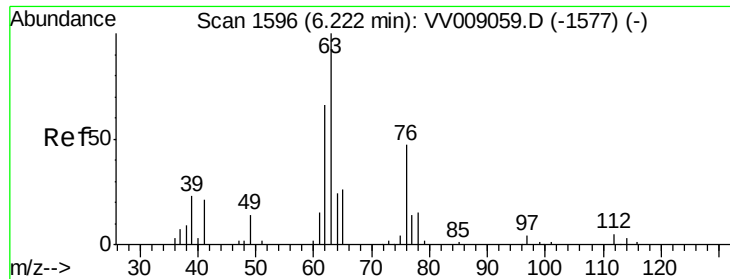
Tgt Ion: 43 Resp: 1802
 Ion Ratio Lower Upper
 43 100
 72 0.0 13.7 41.1#



#25
 Chloroform
 Concen: 0.759 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VV009062.D
 Acq: 19 Dec 2018 21:54

Tgt Ion: 83 Resp: 3240
 Ion Ratio Lower Upper
 83 100
 85 39.6 45.6 84.8#

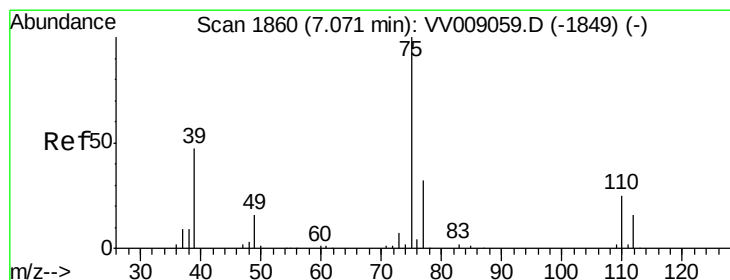
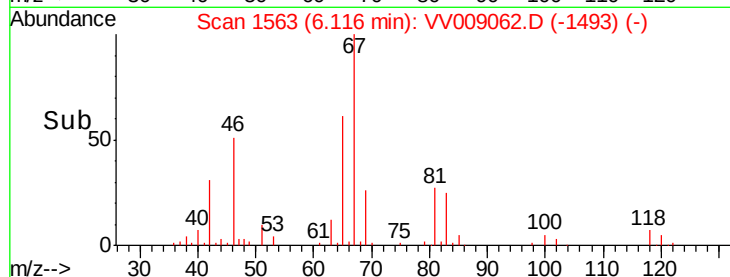
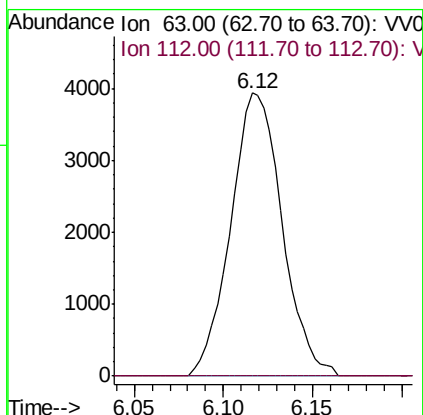
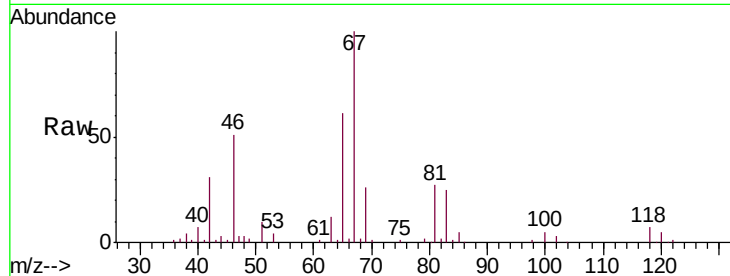




#40
 1,2-Dichloropropane
 Concen: 3.693 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.11 min
 Lab File: VV009062.D
 Acq: 19 Dec 2018 21:54

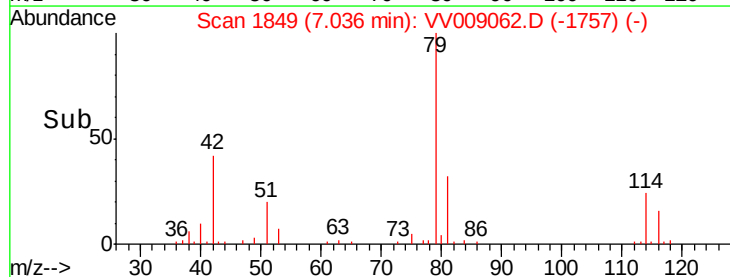
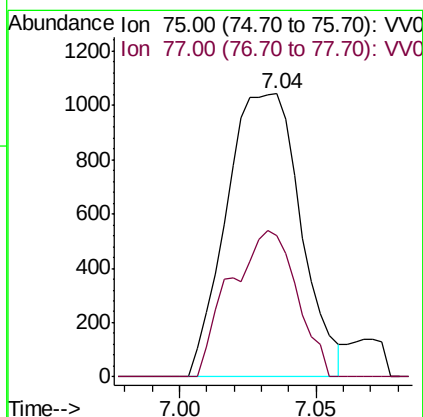
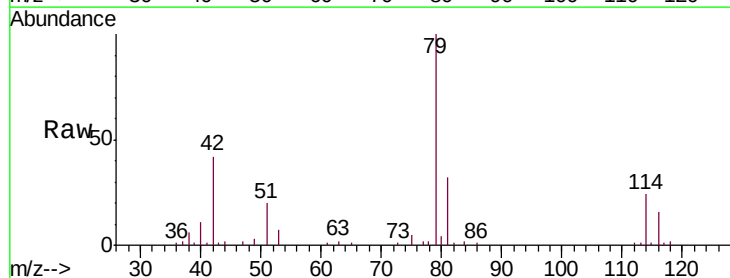
Instrument :
 MSVOA_V
 ClientSampled :
 F9H11

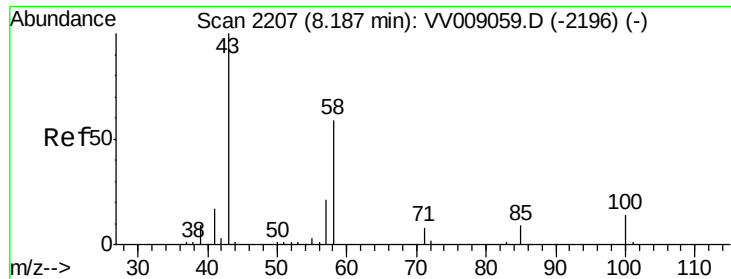
Tgt Ion: 63 Resp: 7899
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8#



#42
 cis-1,3-Dichloropropene
 Concen: 0.629 ug/L
 RT: 7.04 min Scan# 1849
 Delta R.T. -0.04 min
 Lab File: VV009062.D
 Acq: 19 Dec 2018 21:54

Tgt Ion: 75 Resp: 1971
 Ion Ratio Lower Upper
 75 100
 77 50.1 21.3 39.6#

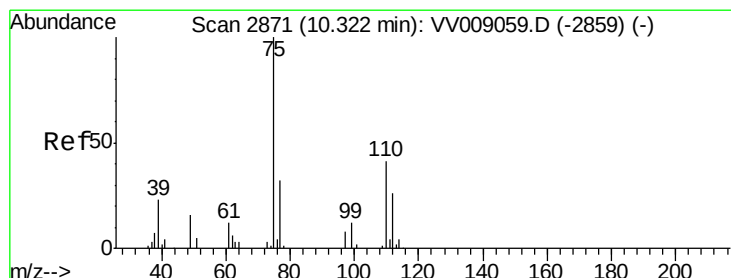
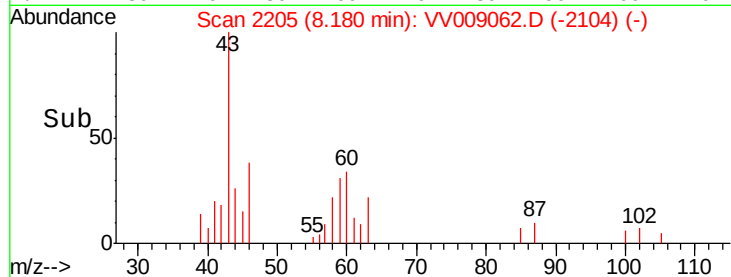
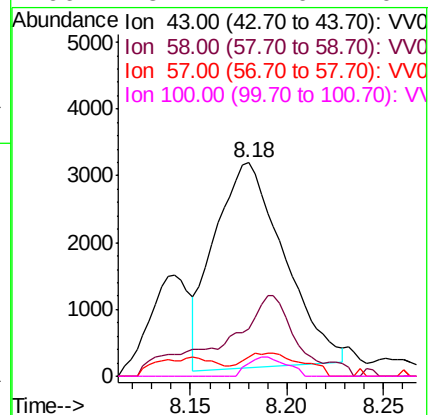
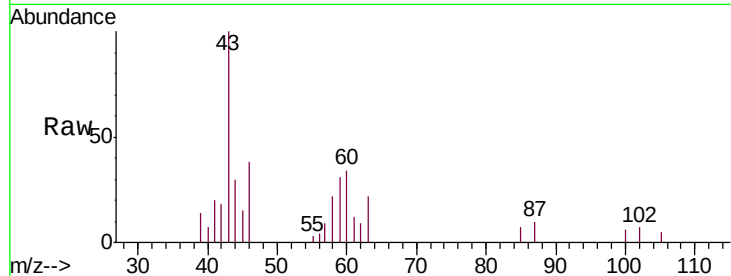




#49
2-Hexanone
Concen: 6.465 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.01 min
Lab File: VV009062.D
Acq: 19 Dec 2018 21:54

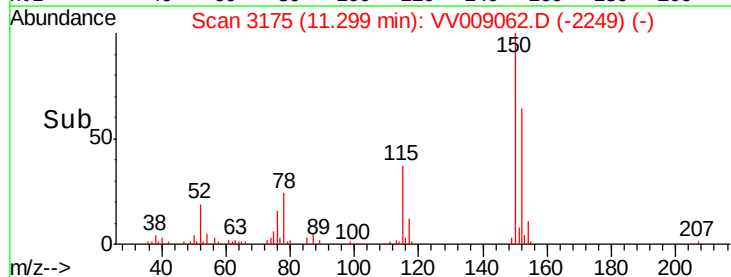
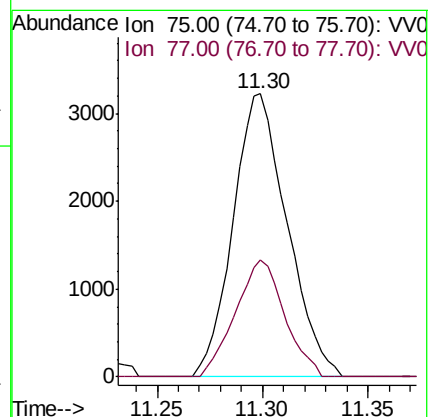
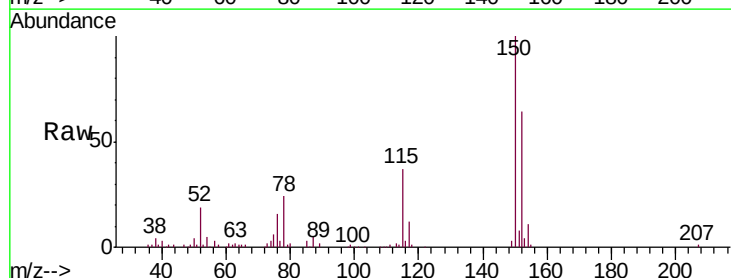
Instrument :
MSVOA_V
ClientSampleId :
F9H11

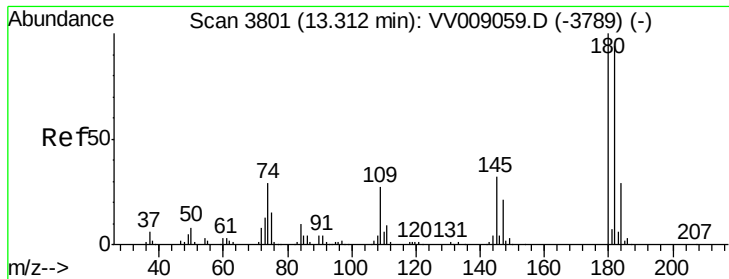
Tgt Ion: 43 Resp: 7732
Ion Ratio Lower Upper
43 100
58 22.8 43.9 65.9#
57 1.5 15.7 23.5#
100 5.1 11.0 16.4#



#59
1,2,3-Trichloropropane
Concen: 3.443 ug/L
RT: 11.30 min Scan# 3175
Delta R.T. 0.98 min
Lab File: VV009062.D
Acq: 19 Dec 2018 21:54

Tgt Ion: 75 Resp: 5739
Ion Ratio Lower Upper
75 100
77 37.5 25.6 38.4

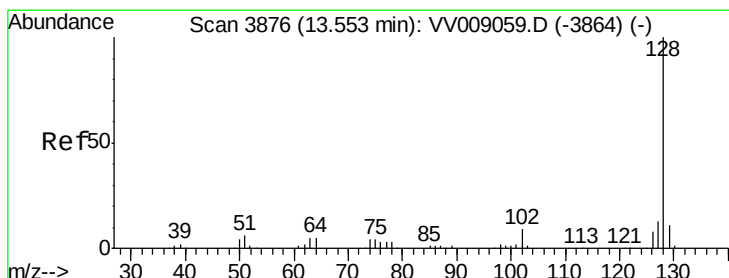
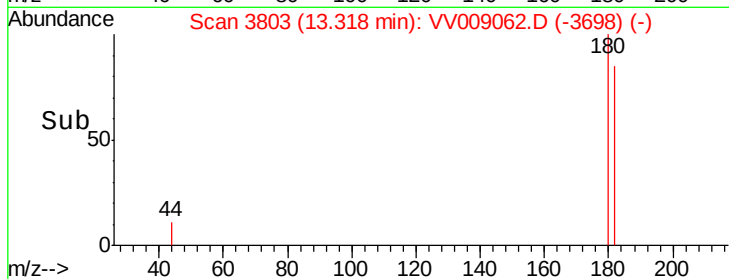
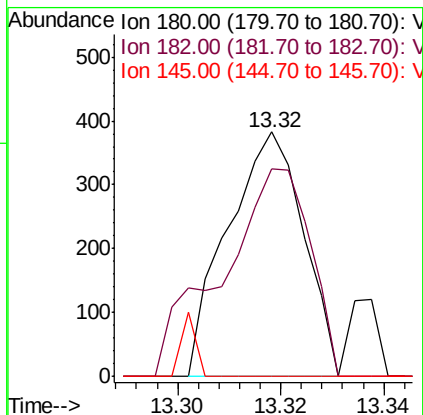
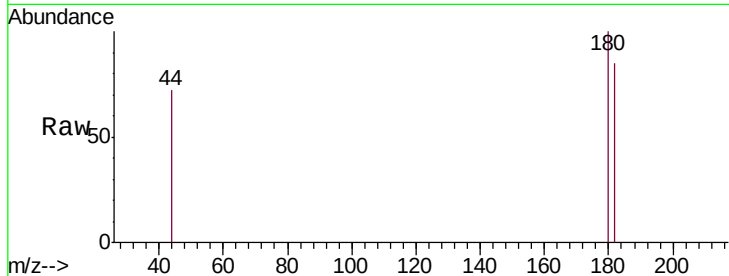




#68
 1,2,4-trichlorobenzene
 Concen: 0.218 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.01 min
 Lab File: VV009062.D
 Acq: 19 Dec 2018 21:54

Instrument :
 MSVOA_V
 ClientSampleId :
 F9H11

Tgt Ion:180 Resp: 389
 Ion Ratio Lower Upper
 180 100
 182 80.5 77.4 116.0
 145 0.0 25.6 38.4#



#69
 Naphthalene
 Concen: 0.469 ug/L
 RT: 13.56 min Scan# 3879
 Delta R.T. 0.01 min
 Lab File: VV009062.D
 Acq: 19 Dec 2018 21:54

Tgt Ion:128 Resp: 1442
 Ion Ratio Lower Upper
 128 100
 129 0.0 8.6 13.0#
 127 4.3 10.0 15.0#

