

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030819\
 Data File : VV009544.D
 Acq On : 08 Mar 2019 17:38
 Operator : SY/MD
 Sample : K1789-09
 Misc : 6.25G/10ML/MSVOA_V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0P5

Quant Time: Mar 09 01:27:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 09 01:24:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	157031	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	152817	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	69128	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38467	20.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.40%
7) Chloroethane-d5	1.57	69	40922	14.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	59.88%
10) 1,1-Dichloroethene-d2	2.13	63	83992	17.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.32%
20) 2-Butanone-d5	3.94	46	23726	36.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.66%
24) Chloroform-d	4.40	84	89054	23.81	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.24%
26) 1,2-Dichloroethane-d4	5.08	65	54009	25.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.52%
29) Benzene-d6	5.10	84	184968	24.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.76%
33) 1,2-Dichloropropane-d6	6.12	67	54791	24.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.12%
37) Toluene-d8	7.36	98	178300	24.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.64%
38) trans-1,3-Dichloropropene-	7.66	79	23284	21.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.04%
39) 2-Hexanone-d5	8.13	63	20023	38.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.82%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	50290	21.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.52%
61) 1,2-Dichlorobenzene-d4	11.67	152	65717	26.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.16%

Target Compounds

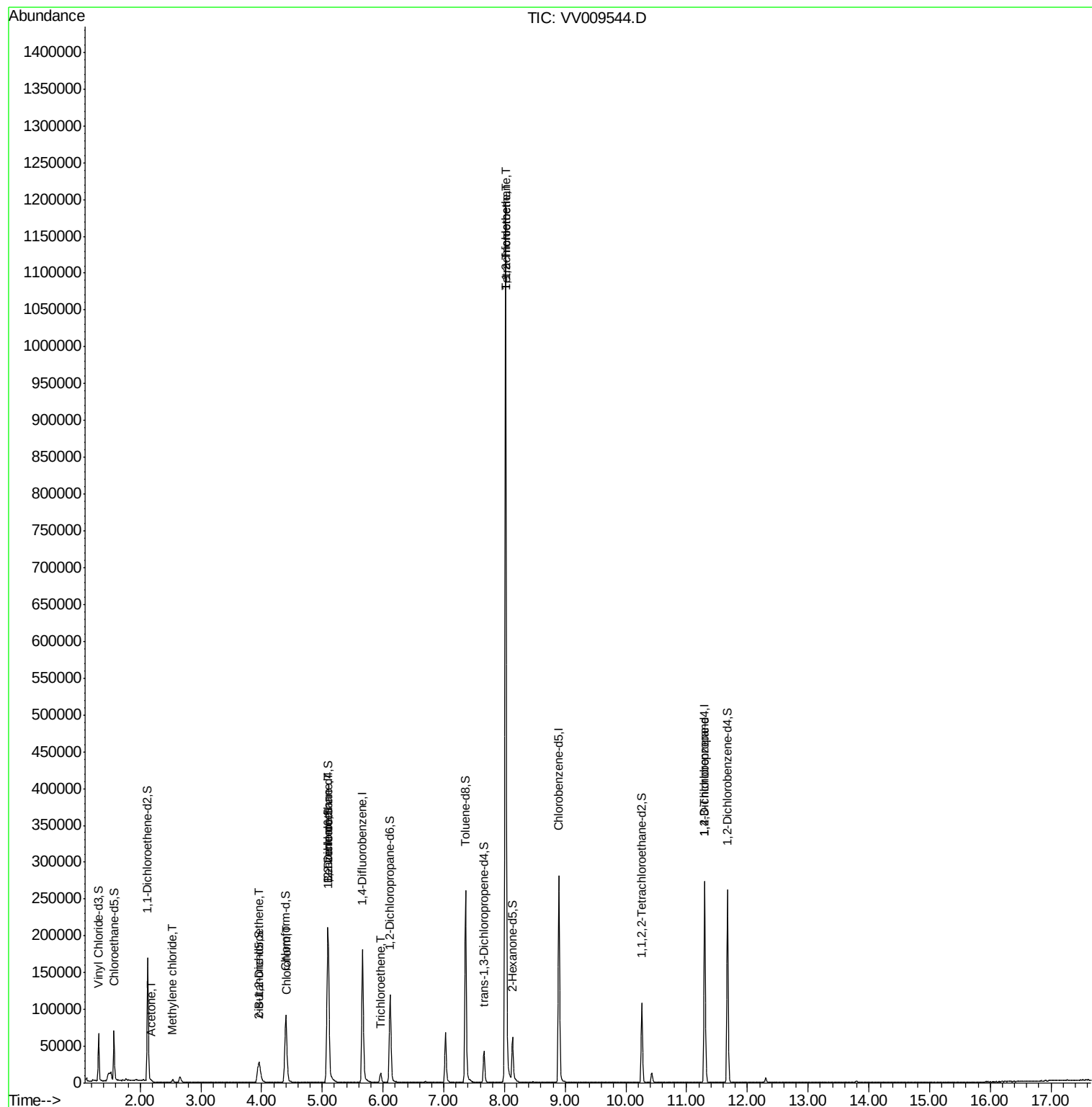
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	2.20	43	1208	1.845	ug/L	72
16) Methylene chloride	2.54	84	1751	0.850	ug/L	90
22) cis-1,2-Dichloroethene	3.96	96	6742	3.185	ug/L	97
25) Chloroform	4.42	83	3734	1.013	ug/L #	33
27) 1,2-Dichloroethane	5.10	62	1251	0.488	ug/L #	77
35) Trichloroethene	5.96	95	4221	1.860	ug/L	96
46) 1,1,2-Trichloroethane	8.02	97	2581	1.526	ug/L #	16
47) Tetrachloroethene	8.02	164	242156	140.690	ug/L	95
59) 1,2,3-Trichloropropane	11.30	75	10070	5.849	ug/L	92

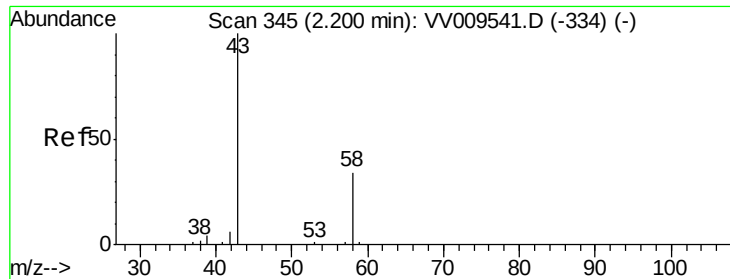
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 09 01:24:39 2019
Response via : Initial Calibration





#13

Acetone

Concen: 1.845 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.00 min

Lab File: VV009544.D

Acq: 08 Mar 2019 17:38

Instrument :

MSVOA_V

ClientSampleId :

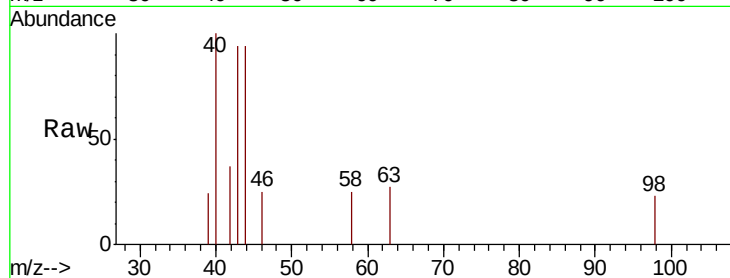
BF0P5

Tgt Ion: 43 Resp: 1208

Ion Ratio Lower Upper

43 100

58 18.5 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009541.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VV009541.D (-334) (-)

2.20

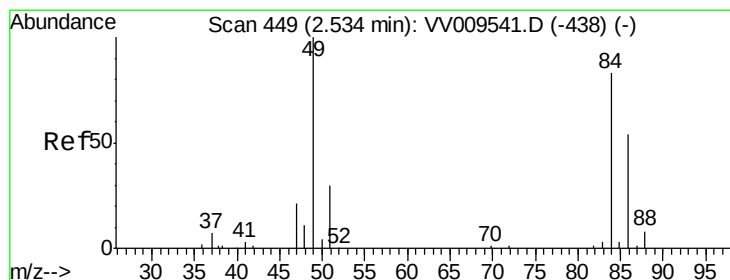
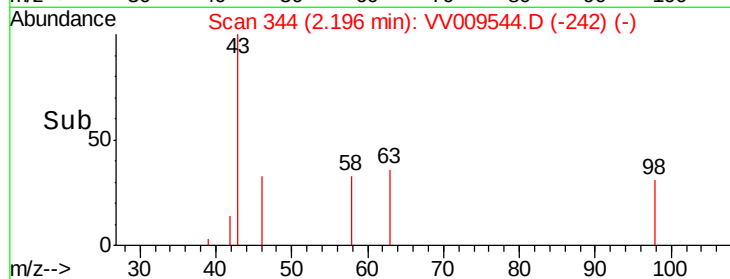
600

400

200

0

Time-->



#16

Methylene chloride

Concen: 0.850 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009544.D

Acq: 08 Mar 2019 17:38

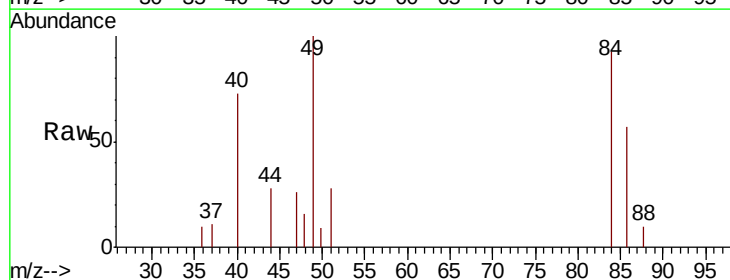
Tgt Ion: 84 Resp: 1751

Ion Ratio Lower Upper

84 100

49 107.8 84.6 157.0

86 61.4 46.1 85.7



Abundance Ion 84.00 (83.70 to 84.70): VV009541.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV009541.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV009541.D (-438) (-)

2.54

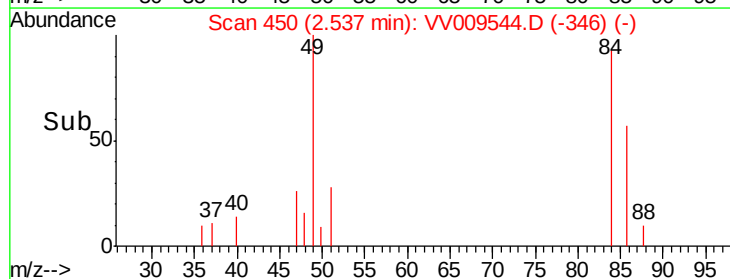
1500

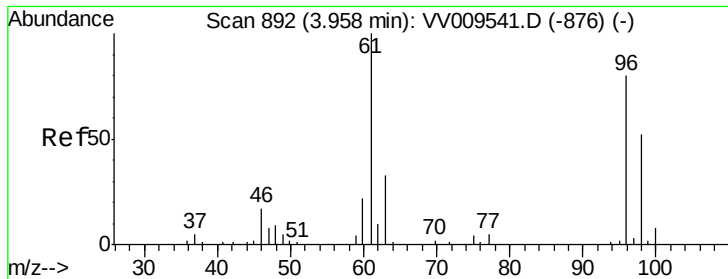
1000

500

0

Time-->



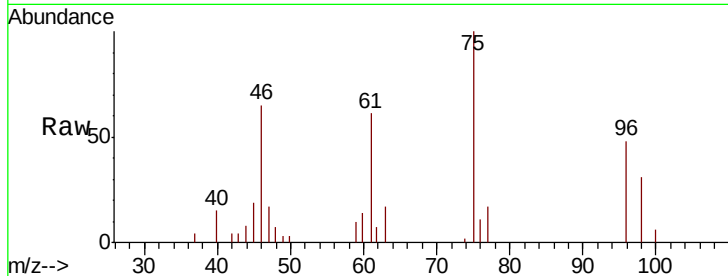


#22

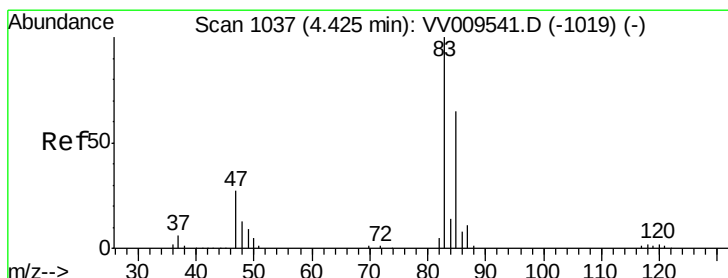
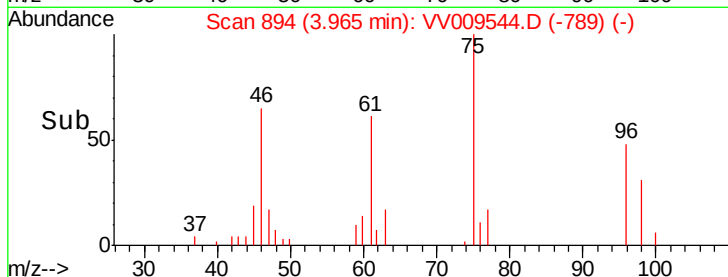
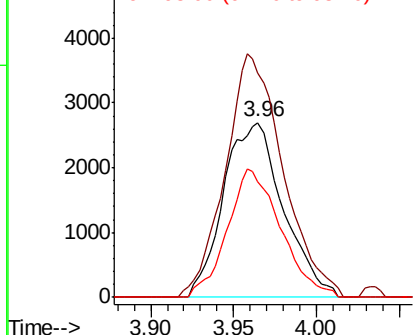
cis-1,2-Dichloroethene
Concen: 3.185 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.01 min
Lab File: VV009544.D
Acq: 08 Mar 2019 17:38

Instrument :
MSVOA_V
ClientSampleId :
BF0P5

Tgt Ion: 96 Resp: 6742
Ion Ratio Lower Upper
96 100
61 128.6 87.2 161.9
98 65.9 44.6 82.8



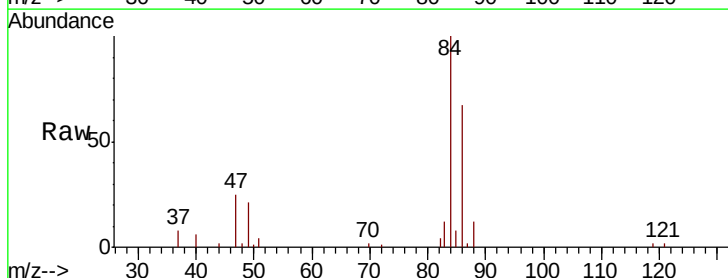
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



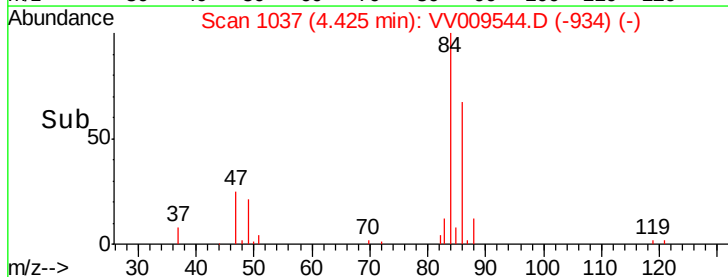
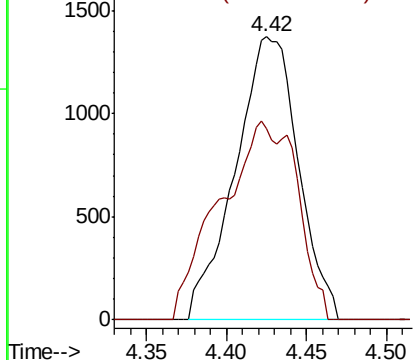
#25

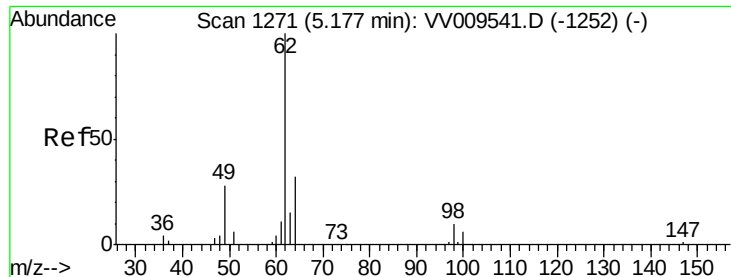
Chloroform
Concen: 1.013 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV009544.D
Acq: 08 Mar 2019 17:38

Tgt Ion: 83 Resp: 3734
Ion Ratio Lower Upper
83 100
85 12.2 45.4 84.2#



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0

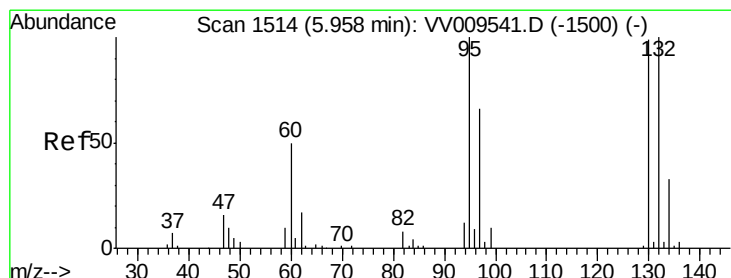
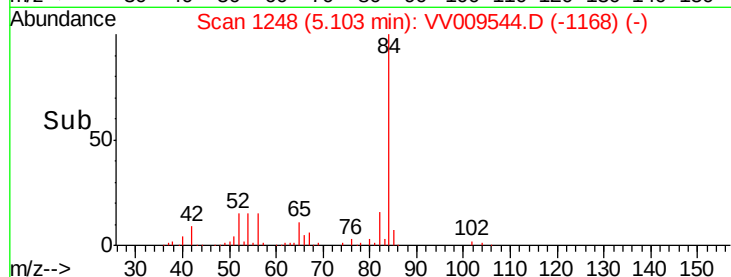
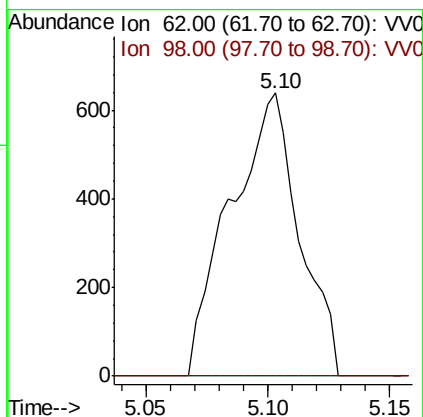
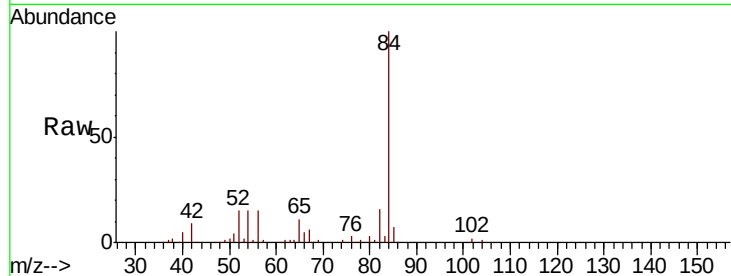




#27
 1,2-Dichloroethane
 Concen: 0.488 ug/L
 RT: 5.10 min Scan# 1248
 Delta R.T. -0.07 min
 Lab File: VV009544.D
 Acq: 08 Mar 2019 17:38

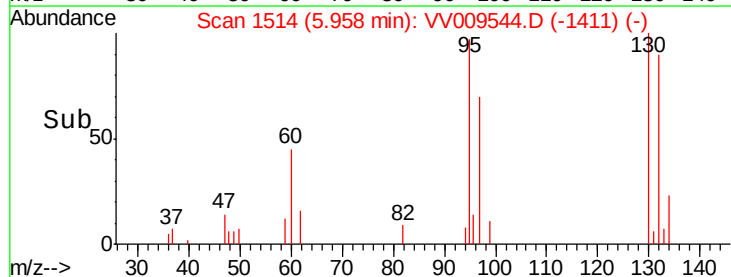
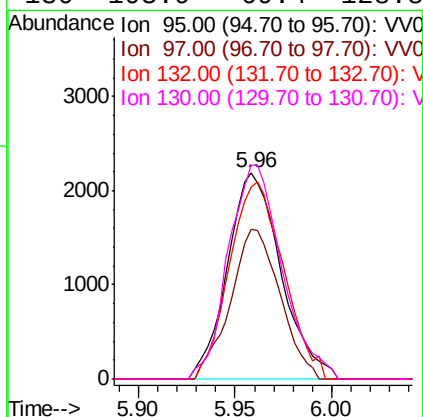
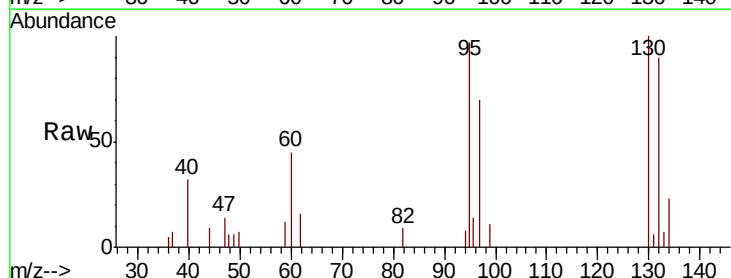
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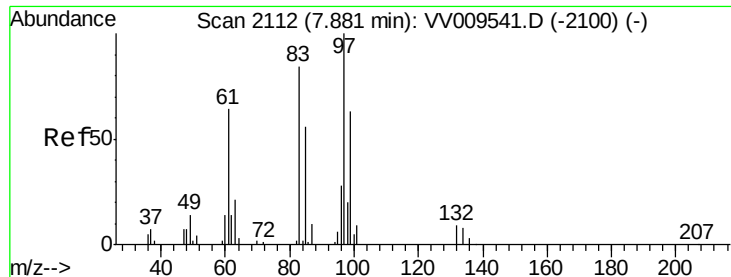
Tgt Ion: 62 Resp: 1251
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#35
 Trichloroethene
 Concen: 1.860 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV009544.D
 Acq: 08 Mar 2019 17:38

Tgt Ion: 95 Resp: 4221
 Ion Ratio Lower Upper
 95 100
 97 67.0 44.3 82.3
 132 94.8 64.4 119.6
 130 103.9 69.4 128.8

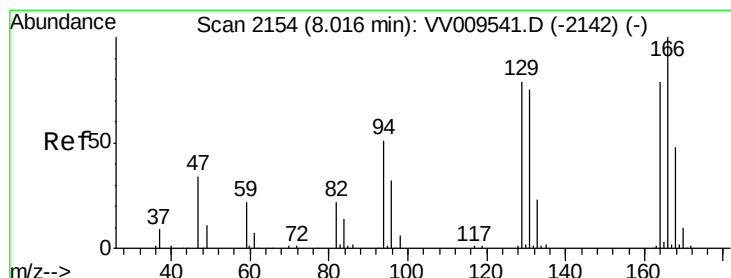
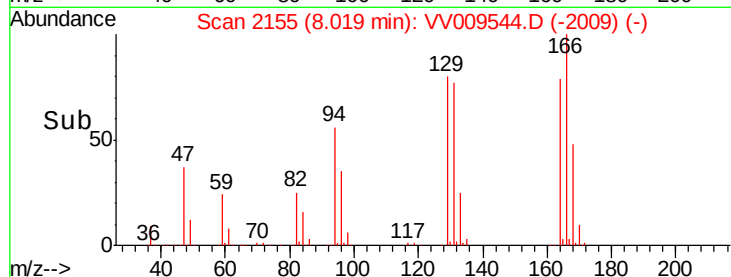
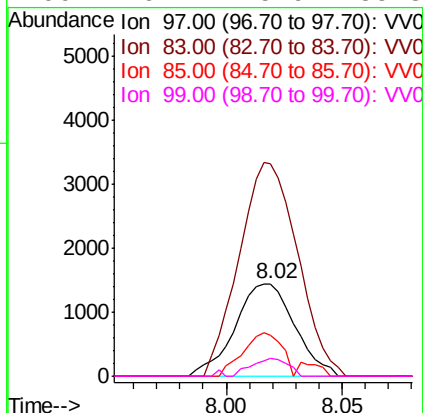
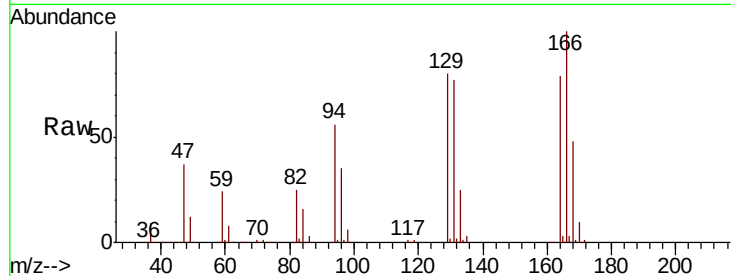




#46
 1,1,2-Trichloroethane
 Concen: 1.526 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.14 min
 Lab File: VV009544.D
 Acq: 08 Mar 2019 17:38

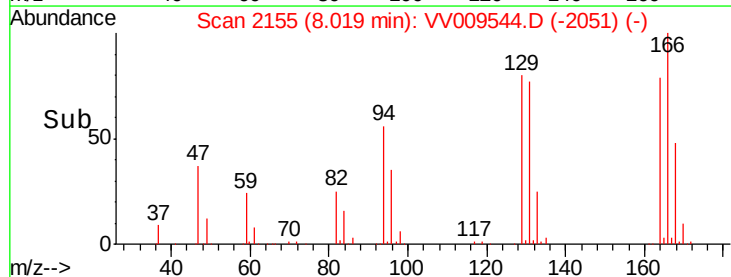
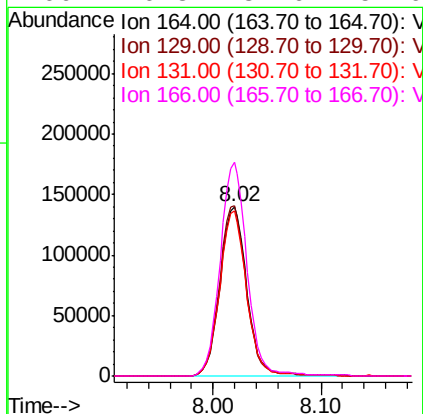
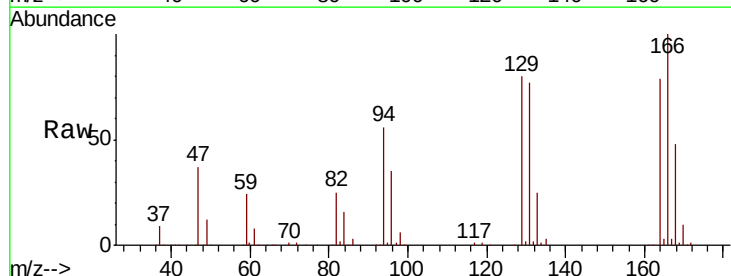
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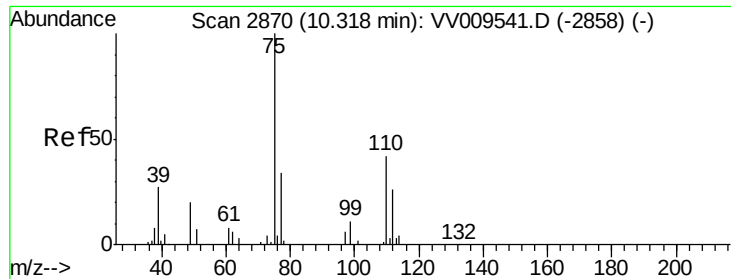
Tgt Ion:	97	Resp:	2581
Ion	Ratio	Lower	Upper
97	100		
83	230.0	63.8	118.6#
85	44.9	39.5	73.4
99	20.2	45.9	85.3#



#47
 Tetrachloroethene
 Concen: 140.690 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV009544.D
 Acq: 08 Mar 2019 17:38

Tgt Ion:	164	Resp:	242156
Ion	Ratio	Lower	Upper
164	100		
129	100.6	67.7	125.7
131	97.5	67.5	125.3
166	126.3	81.6	151.6





#59
 1,2,3-Trichloropropane
 Concen: 5.849 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.98 min
 Lab File: VV009544.D
 Acq: 08 Mar 2019 17:38

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0P5

Tgt Ion: 75 Resp: 10070
 Ion Ratio Lower Upper
 75 100
 77 37.0 25.9 38.9

