

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
 Data File : VV010361.D
 Acq On : 18 Apr 2019 20:54
 Operator : SY/MD
 Sample : K2403-20
 Misc : 6.92G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A5132

Quant Time: Apr 19 06:13:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 19 06:08:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	264795	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	272420	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	118051	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	61095	18.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.68%
7) Chloroethane-d5	1.57	69	55490	19.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.60%
10) 1,1-Dichloroethene-d2	2.13	63	122088	15.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.20%
20) 2-Butanone-d5	3.93	46	69078	65.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.94%
24) Chloroform-d	4.40	84	154292	22.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.64%
26) 1,2-Dichloroethane-d4	5.08	65	105658	25.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.84%
29) Benzene-d6	5.10	84	282427	20.25	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	81.00%
33) 1,2-Dichloropropane-d6	6.12	67	91395	22.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.60%
37) Toluene-d8	7.36	98	273900	20.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.72%
38) trans-1,3-Dichloropropene-	7.66	79	41505	20.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.72%
39) 2-Hexanone-d5	8.13	63	55437	61.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.02%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	120440	29.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.04%
61) 1,2-Dichlorobenzene-d4	11.67	152	119964	25.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.40%

Target Compounds

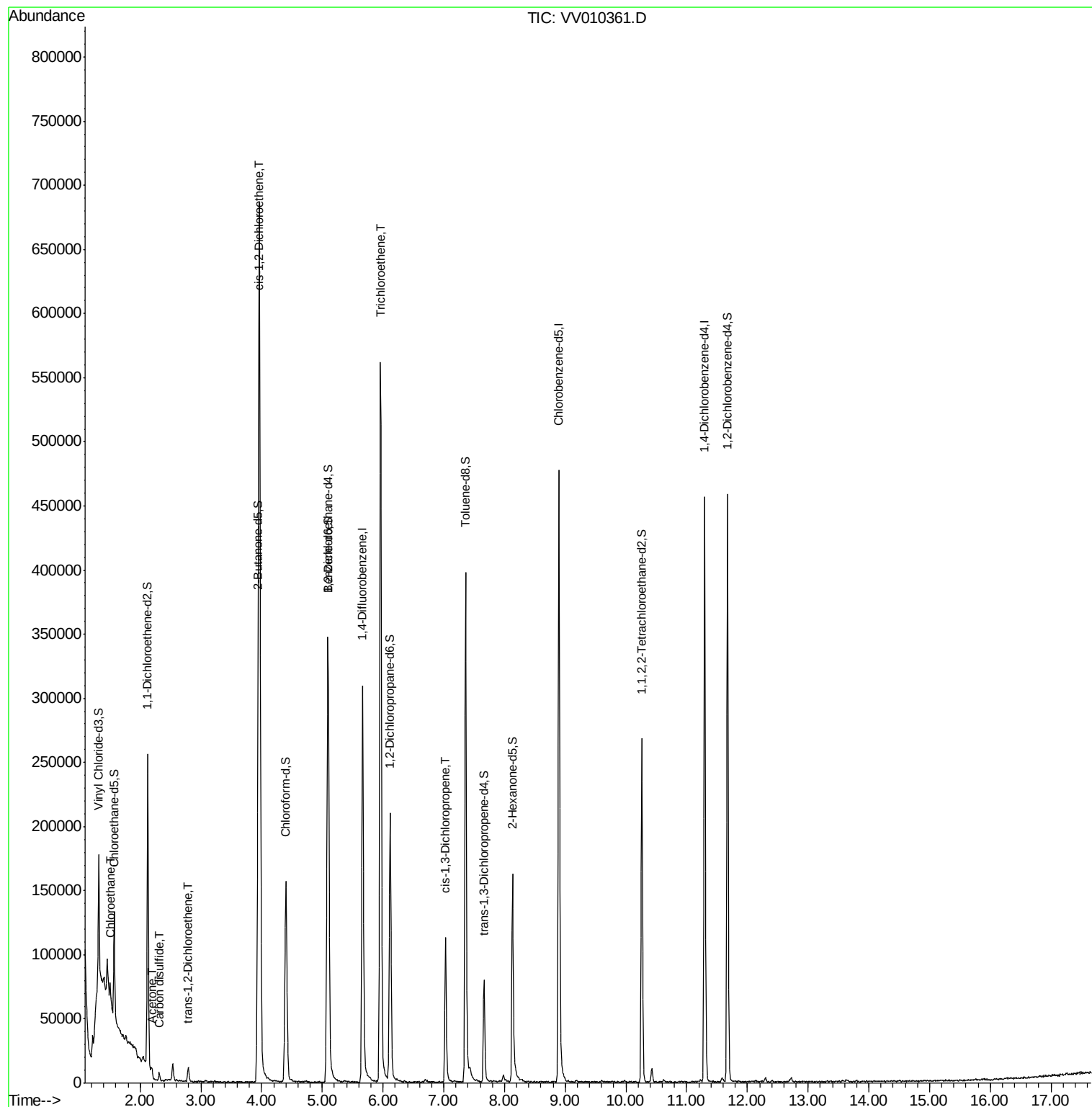
					Qvalue
8) Chloroethane	1.51	64	12121	5.215 ug/L #	54
13) Acetone	2.20	43	3094	2.800 ug/L	98
14) Carbon disulfide	2.32	76	6662	0.785 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	3993	1.224 ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	378144	101.727 ug/L	99
35) Trichloroethene	5.96	95	183391	46.628 ug/L	98
42) cis-1,3-Dichloropropene	7.03	75	3644	0.709 ug/L #	52

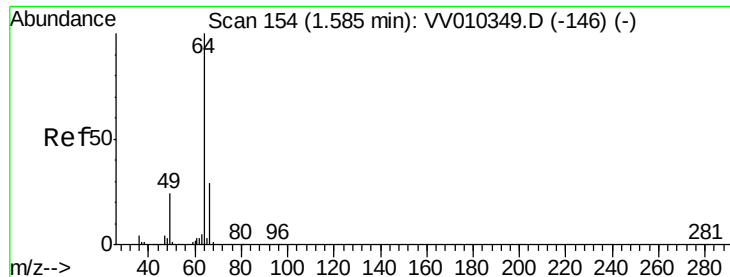
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 5.215 ug/L

RT: 1.51 min Scan# 129

Delta R.T. -0.08 min

Lab File: VV010361.D

Acq: 18 Apr 2019 20:54

Instrument :

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ClientSampleId :

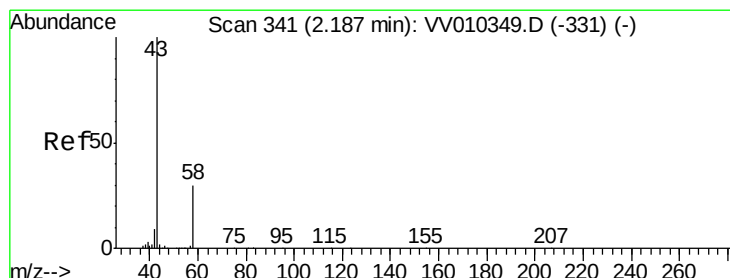
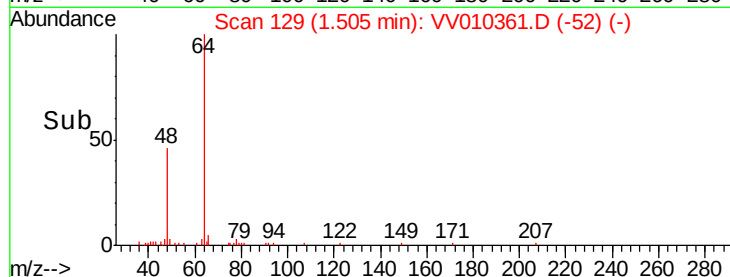
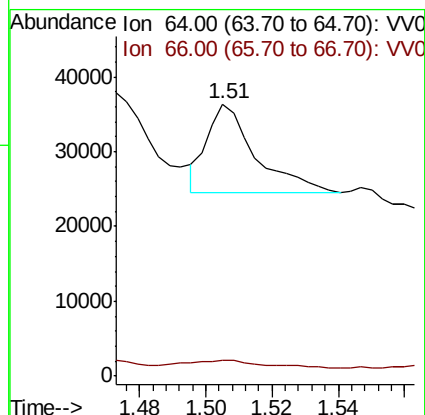
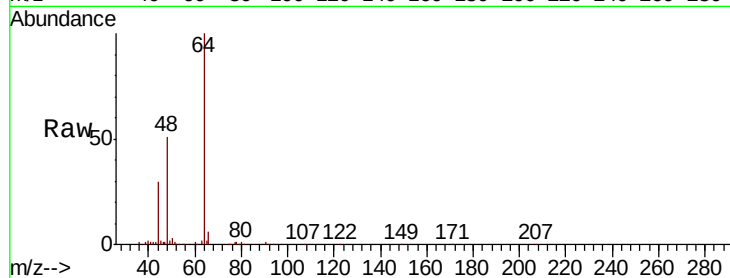
A5132

Tgt Ion: 64 Resp: 12121

Ion Ratio Lower Upper

64 100

66 5.7 21.4 39.8#



#13

Acetone

Concen: 2.800 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV010361.D

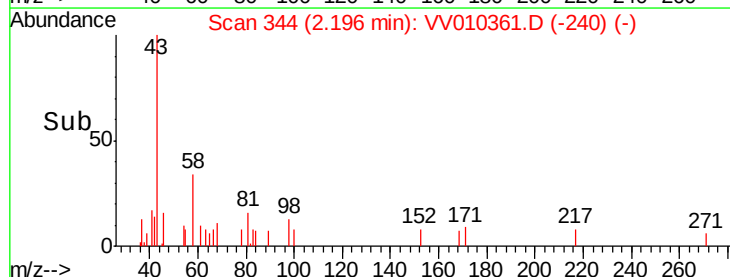
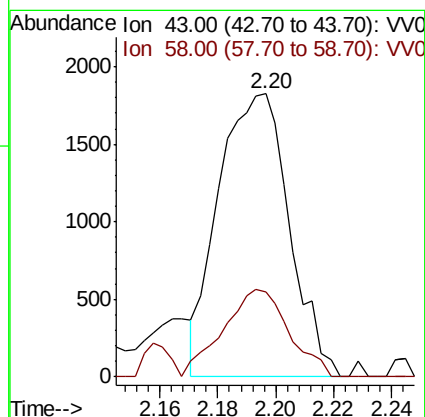
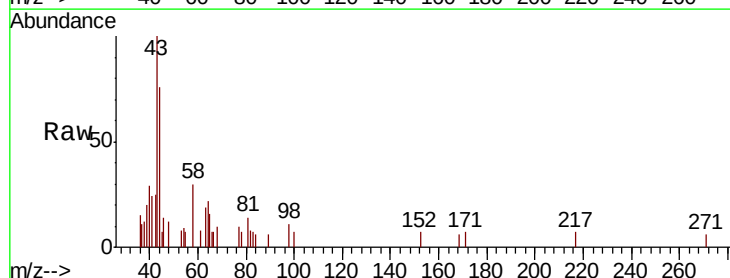
Acq: 18 Apr 2019 20:54

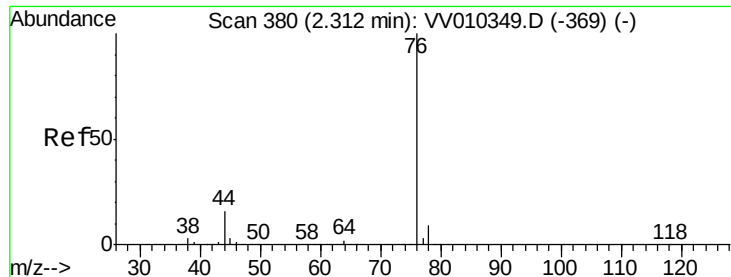
Tgt Ion: 43 Resp: 3094

Ion Ratio Lower Upper

43 100

58 28.7 0.0 60.0





#14

Carbon disulfide

Concen: 0.785 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV010361.D

Acq: 18 Apr 2019 20:54

Instrument :

MSVOA_V

ClientSampled :

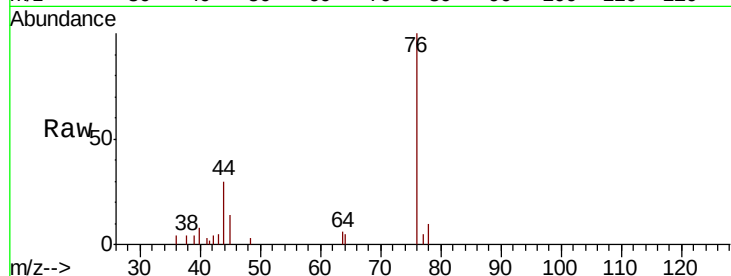
A5132

Tgt Ion: 76 Resp: 6662

Ion Ratio Lower Upper

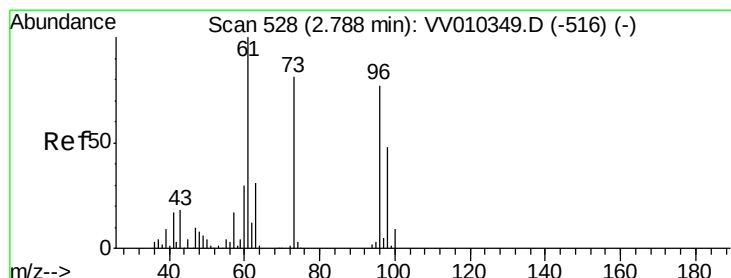
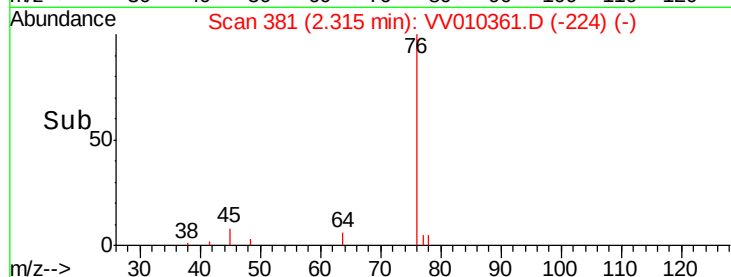
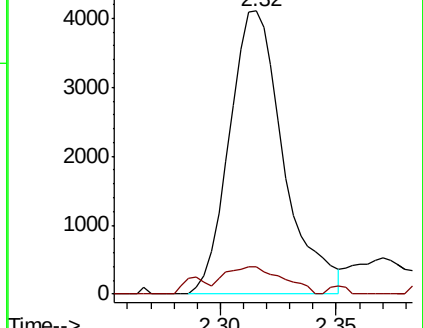
76 100

78 9.5 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV010349.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV010349.D (-369) (-)



#18

trans-1,2-Dichloroethene

Concen: 1.224 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV010361.D

Acq: 18 Apr 2019 20:54

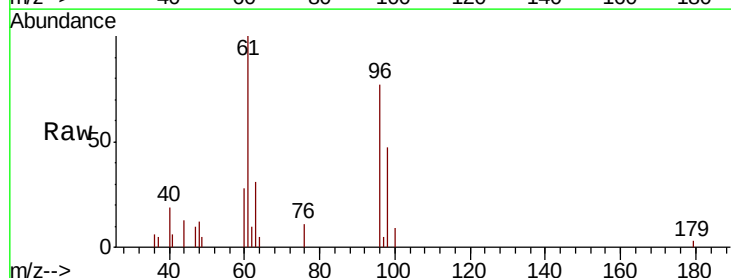
Tgt Ion: 96 Resp: 3993

Ion Ratio Lower Upper

96 100

61 129.2 96.3 178.9

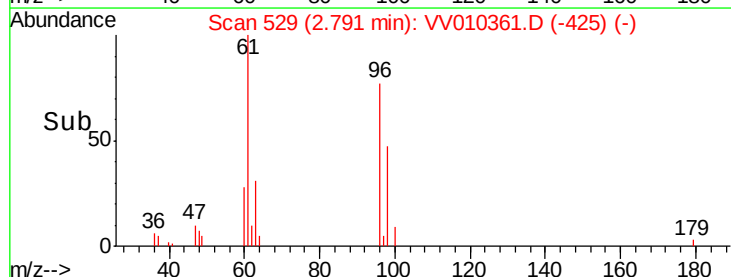
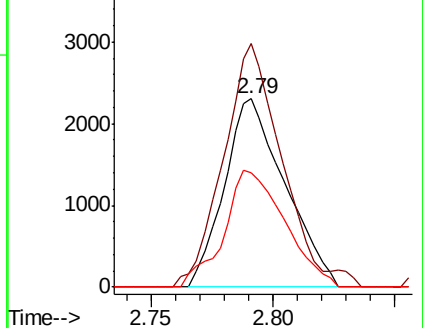
98 60.9 44.9 83.5

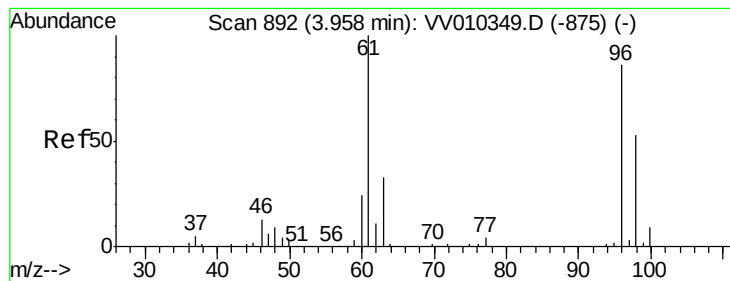


Abundance Ion 96.00 (95.70 to 96.70): VV010349.D (-516) (-)

Ion 61.00 (60.70 to 61.70): VV010349.D (-516) (-)

Ion 98.00 (97.70 to 98.70): VV010349.D (-516) (-)



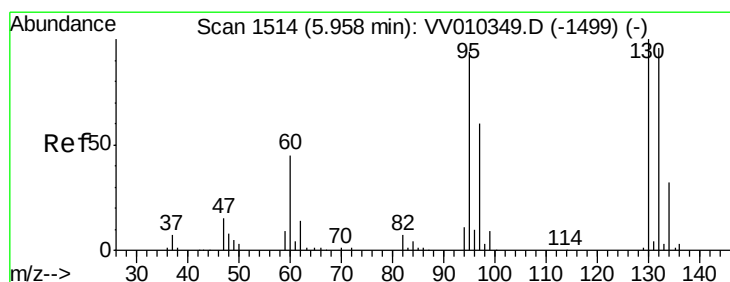
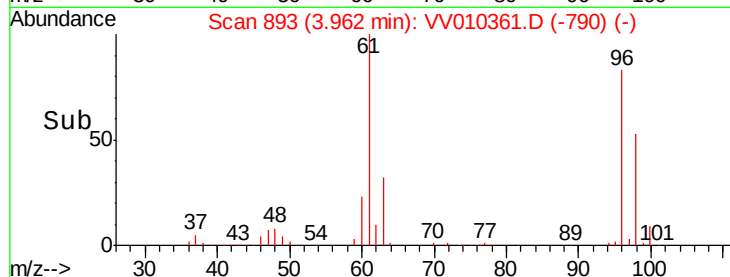
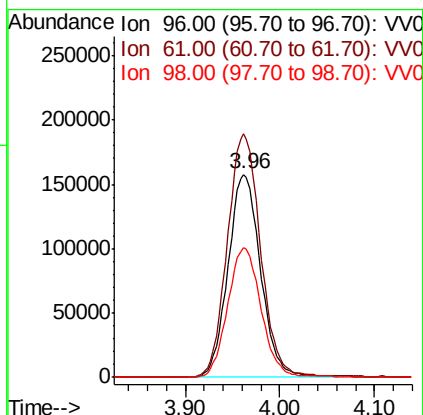
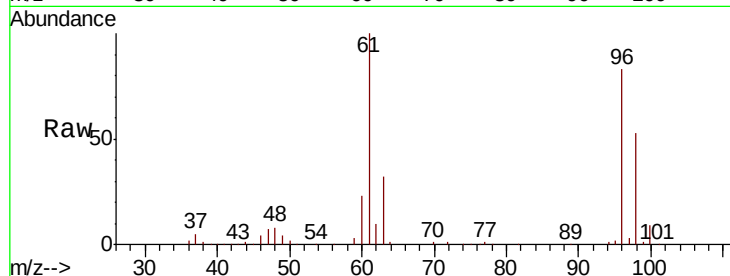


#22

cis-1,2-Dichloroethene
 Concen: 101.727 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV010361.D
 Acq: 18 Apr 2019 20:54

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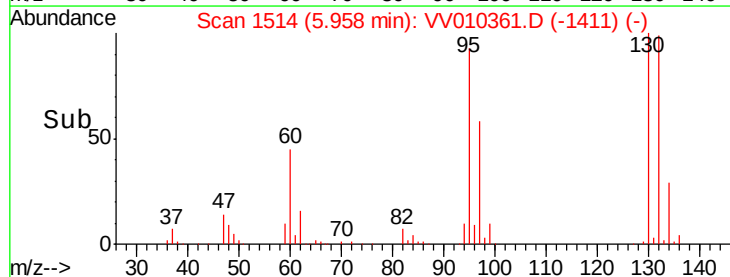
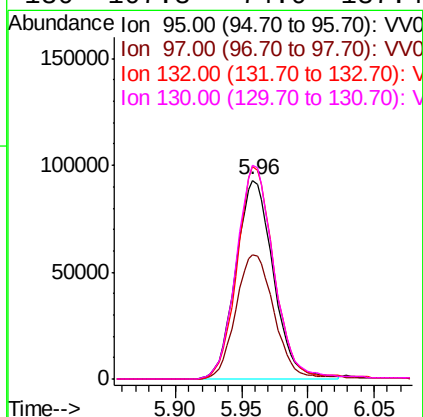
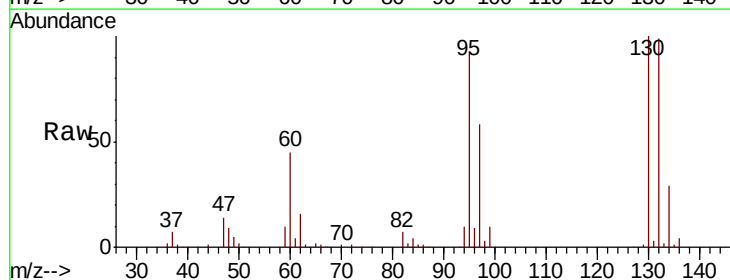
Tgt Ion: 96 Resp: 378144
 Ion Ratio Lower Upper
 96 100
 61 120.0 83.7 155.4
 98 63.9 43.7 81.1

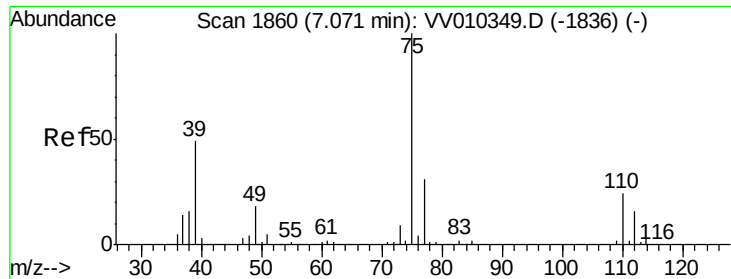


#35

Trichloroethene
 Concen: 46.628 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV010361.D
 Acq: 18 Apr 2019 20:54

Tgt Ion: 95 Resp: 183391
 Ion Ratio Lower Upper
 95 100
 97 63.3 45.6 84.8
 132 104.6 71.5 132.7
 130 107.3 74.0 137.4





#42

cis-1,3-Dichloropropene
 Concen: 0.709 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV010361.D
 Acq: 18 Apr 2019 20:54

Instrument :
 MSVOA_V
 ClientSampleId :
 A5132

Tgt Ion: 75 Resp: 3644
 Ion Ratio Lower Upper
 75 100
 77 56.1 21.1 39.1#

