

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040619\
 Data File : VV010147.D
 Acq On : 06 Apr 2019 12:33
 Operator : SY/MD
 Sample : K2259-13
 Misc : 5.85G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETJ33

Quant Time: Apr 07 00:52:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Apr 07 00:49:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	207447	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	165552	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	52445	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40336	14.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	58.08%
7) Chloroethane-d5	1.57	69	57421	16.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.60%
10) 1,1-Dichloroethene-d2	2.13	63	91348	13.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	52.16%
20) 2-Butanone-d5	4.05	46	431	0.55	ug/L	0.12
Spiked Amount	50.000	Range	20 - 135	Recovery	=	1.10%#
24) Chloroform-d	4.40	84	135545	25.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.76%
26) 1,2-Dichloroethane-d4	5.08	65	88113	30.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	120.52%
29) Benzene-d6	5.10	84	254598	29.65	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	118.60%
33) 1,2-Dichloropropane-d6	6.12	67	84018	33.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	132.64%#
37) Toluene-d8	7.36	98	214739	25.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.84%
38) trans-1,3-Dichloropropene-	7.67	79	19945	18.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.64%
39) 2-Hexanone-d5	8.14	63	40564	79.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	159.66%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	72700	29.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.36%
61) 1,2-Dichlorobenzene-d4	11.68	152	55278	27.06	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.24%

Target Compounds

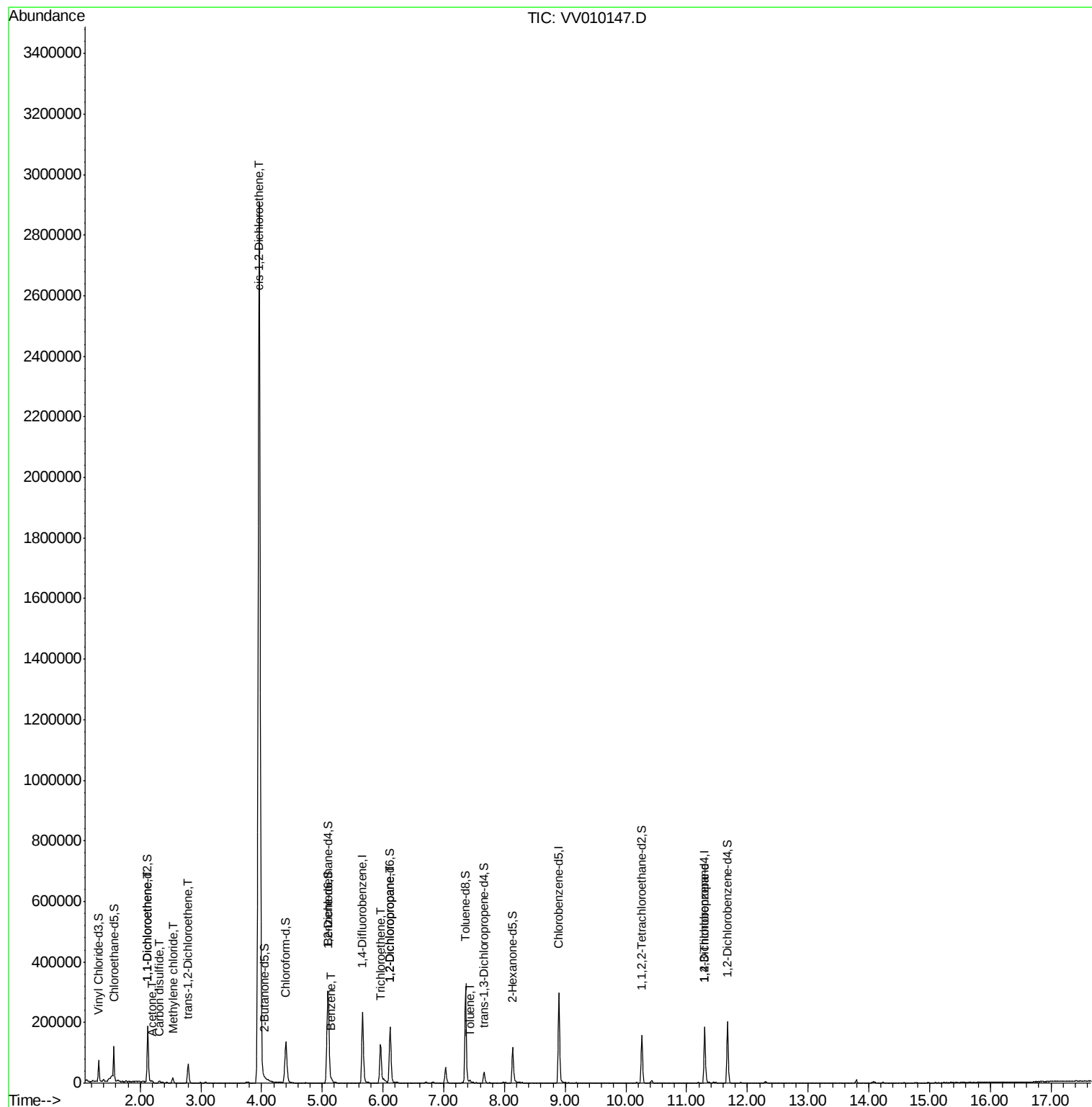
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.14	96	4346	1.532	ug/L #	1
13) Acetone	2.20	43	6670	8.537	ug/L	98
14) Carbon disulfide	2.31	76	6254	1.063	ug/L #	89
16) Methylene chloride	2.54	84	6710	1.841	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	22988	9.279	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	1649547	599.682	ug/L	99
34) Benzene	5.14	78	3117	0.385	ug/L	100
35) Trichloroethene	5.96	95	40903	17.553	ug/L	98
40) 1,2-Dichloropropane	6.12	63	9535	4.661	ug/L #	86
44) Toluene	7.43	91	5382	0.592	ug/L	86
59) 1,2,3-Trichloropropane	11.30	75	5804	3.474	ug/L	89

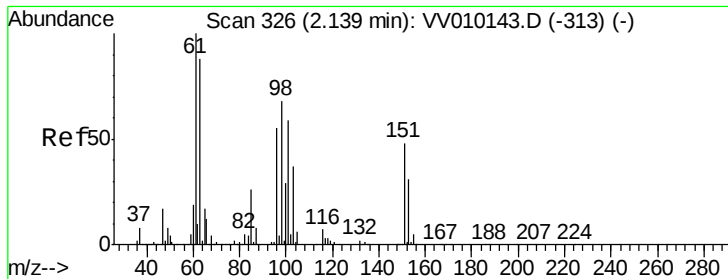
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 1.532 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010147.D

Acq: 06 Apr 2019 12:33

Instrument :

MSVOA_V

ClientSampleId :

ETJ33

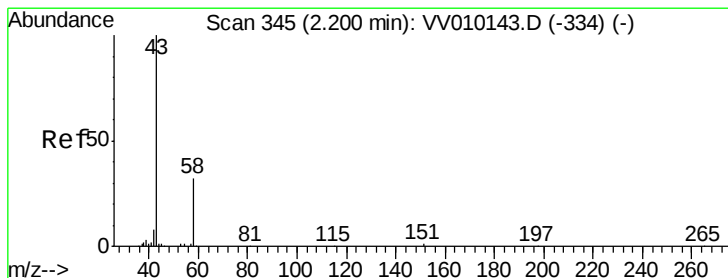
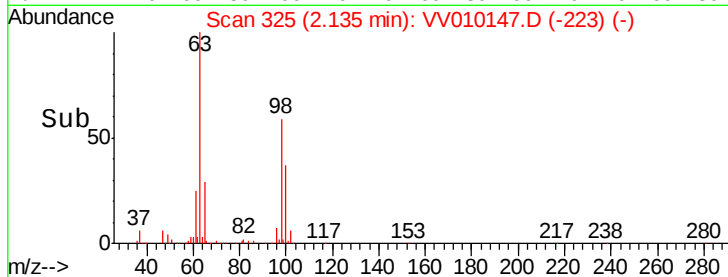
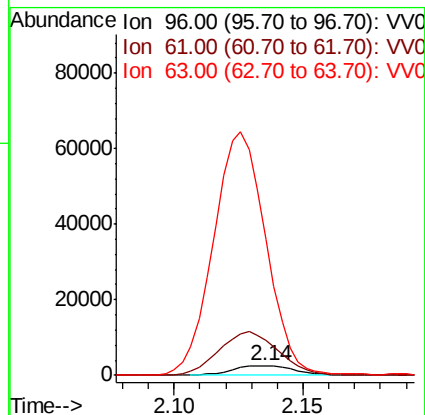
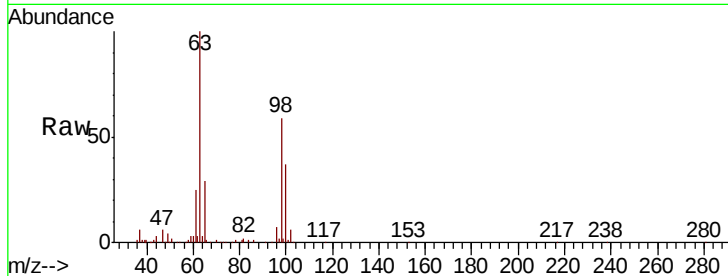
Tgt Ion: 96 Resp: 4346

Ion Ratio Lower Upper

96 100

61 345.8 127.8 237.4#

63 1367.6 112.6 209.2#



#13

Acetone

Concen: 8.537 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.00 min

Lab File: VV010147.D

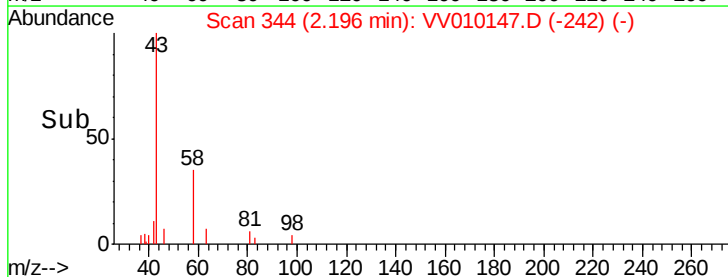
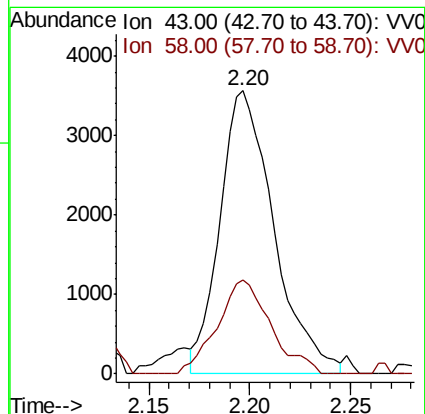
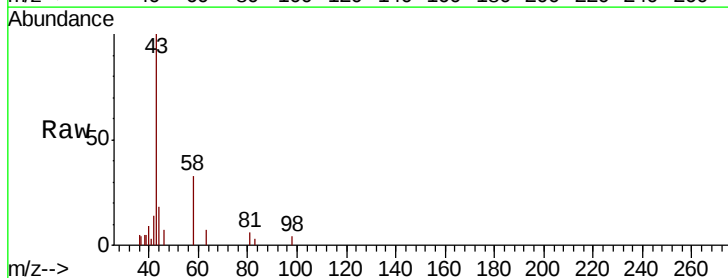
Acq: 06 Apr 2019 12:33

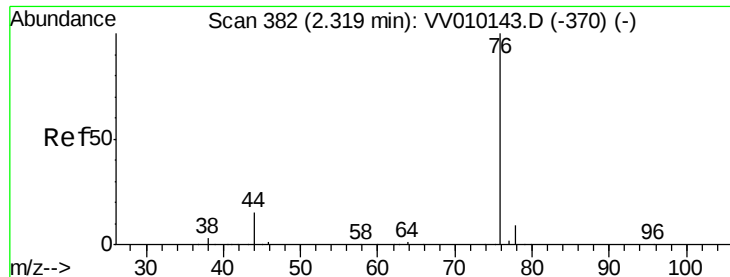
Tgt Ion: 43 Resp: 6670

Ion Ratio Lower Upper

43 100

58 31.2 0.0 64.6





#14

Carbon disulfide

Concen: 1.063 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV010147.D

Acq: 06 Apr 2019 12:33

Instrument :

MSVOA_V

ClientSampled :

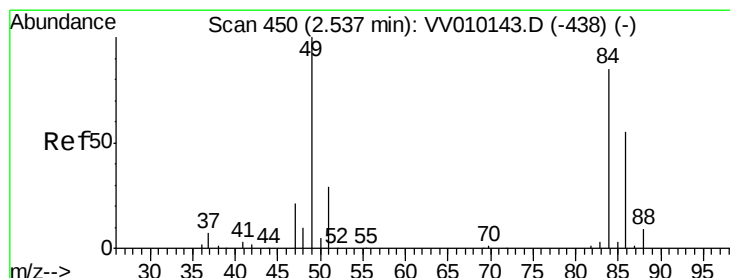
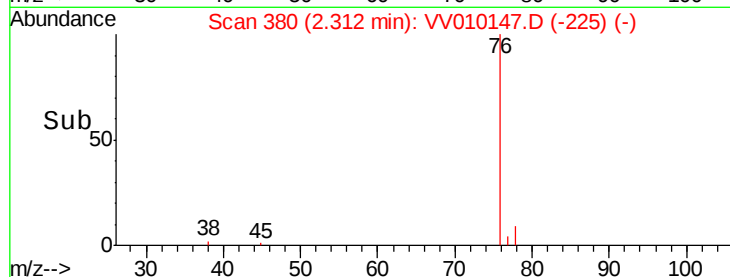
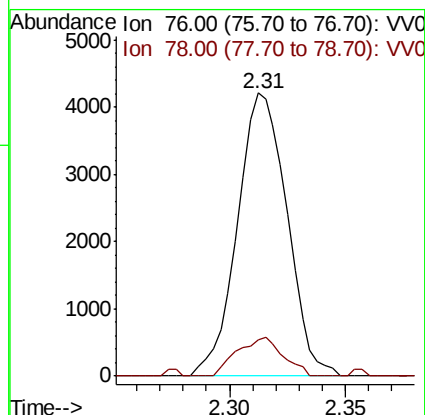
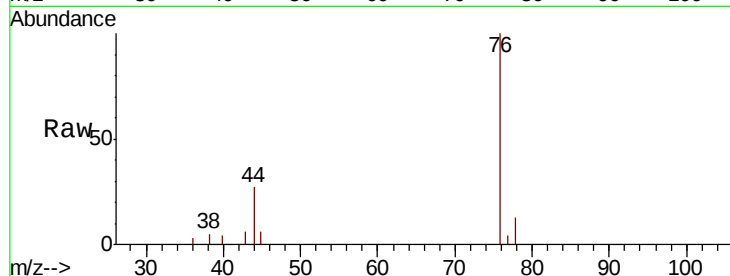
ETJ33

Tgt Ion: 76 Resp: 6254

Ion Ratio Lower Upper

76 100

78 12.8 7.1 10.7#



#16

Methylene chloride

Concen: 1.841 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV010147.D

Acq: 06 Apr 2019 12:33

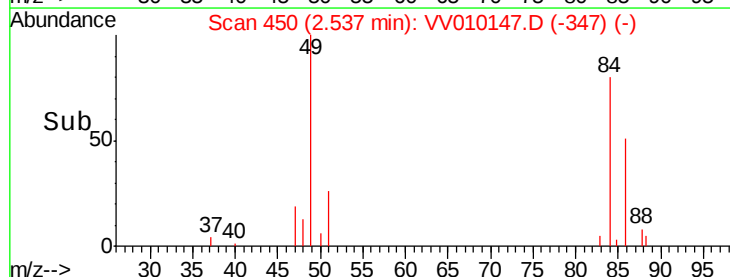
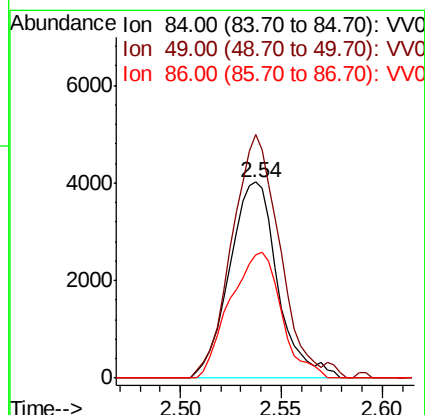
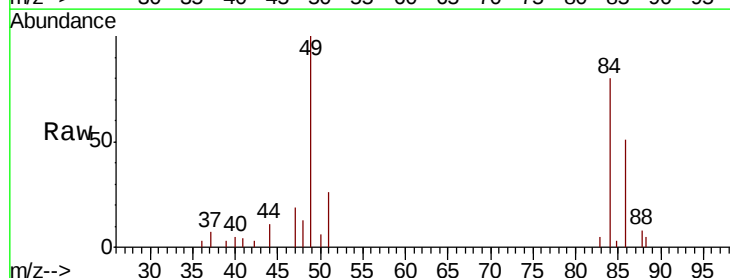
Tgt Ion: 84 Resp: 6710

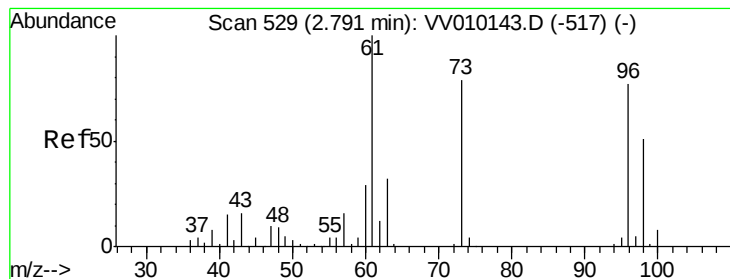
Ion Ratio Lower Upper

84 100

49 124.4 84.3 156.5

86 63.3 45.4 84.2





#18

trans-1,2-Dichloroethene

Concen: 9.279 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV010147.D

Acq: 06 Apr 2019 12:33

Instrument :

MSVOA_V

ClientSampleId :

ETJ33

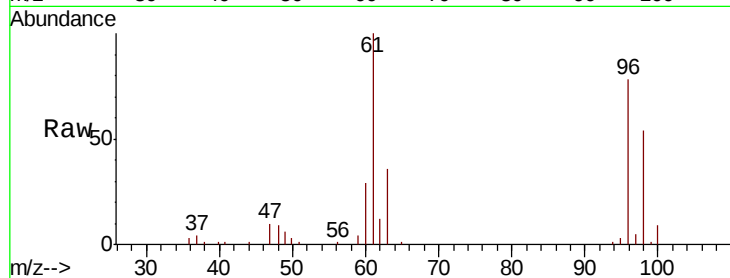
Tgt Ion: 96 Resp: 22988

Ion Ratio Lower Upper

96 100

61 128.3 90.0 167.2

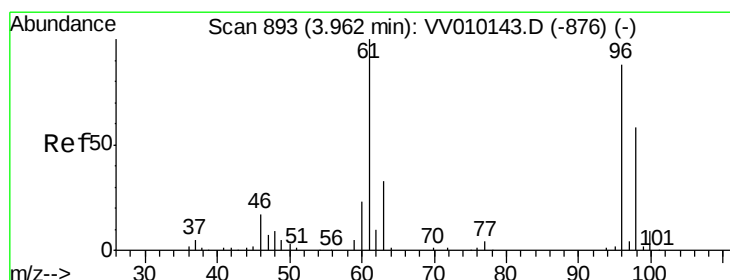
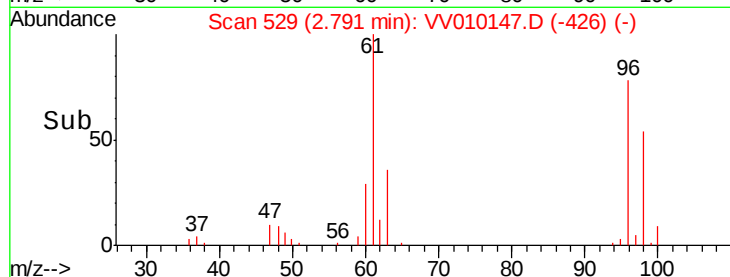
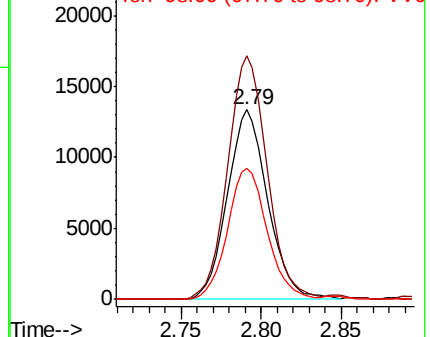
98 69.3 44.2 82.2



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



#22

cis-1,2-Dichloroethene

Concen: 599.682 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV010147.D

Acq: 06 Apr 2019 12:33

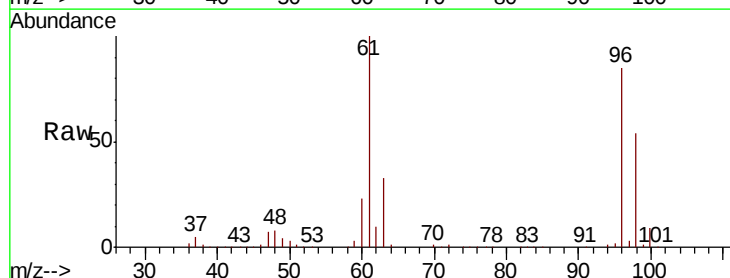
Tgt Ion: 96 Resp: 1649547

Ion Ratio Lower Upper

96 100

61 117.9 82.7 153.5

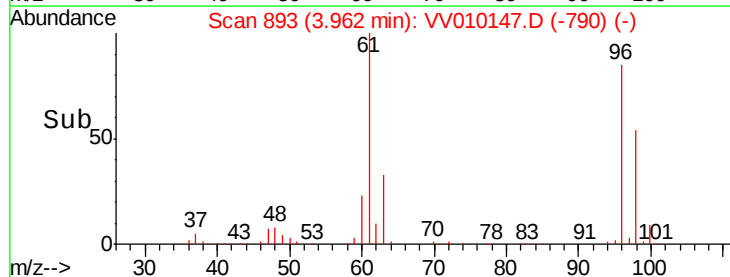
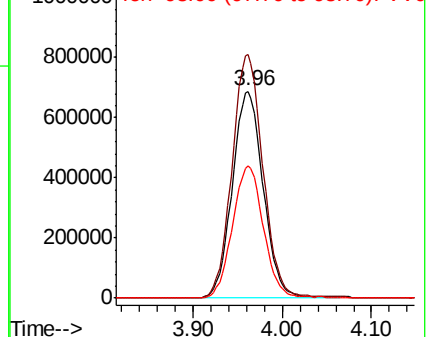
98 64.1 43.9 81.5

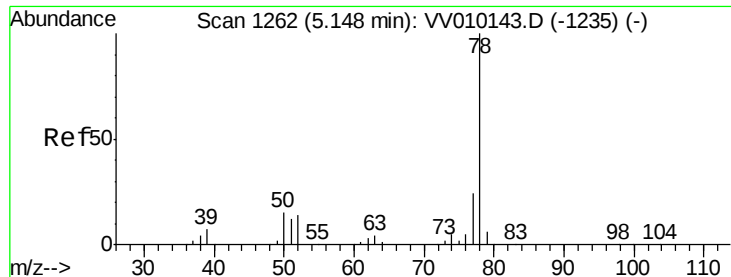


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

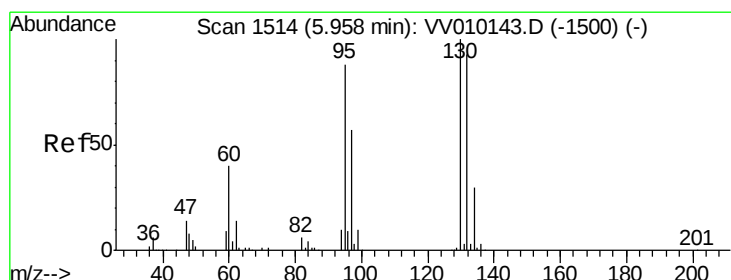
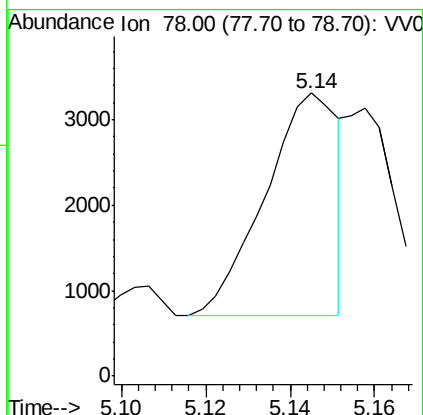
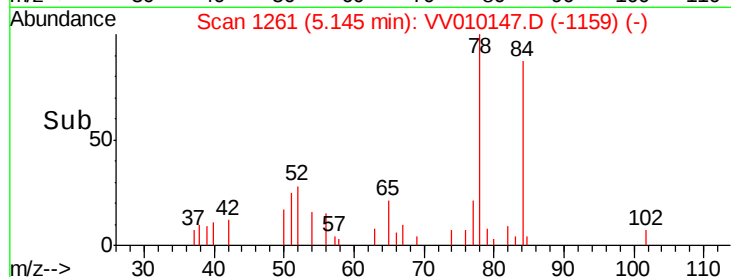
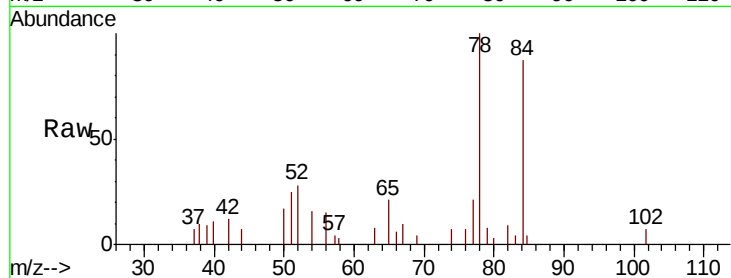




#34
Benzene
Concen: 0.385 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV010147.D
Acq: 06 Apr 2019 12:33

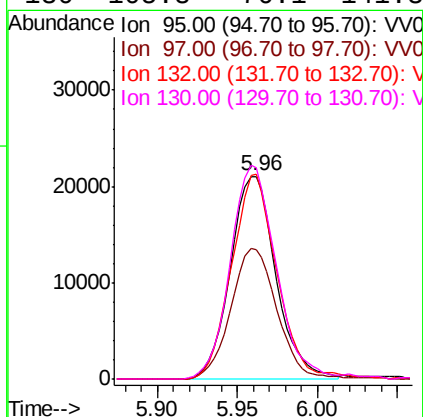
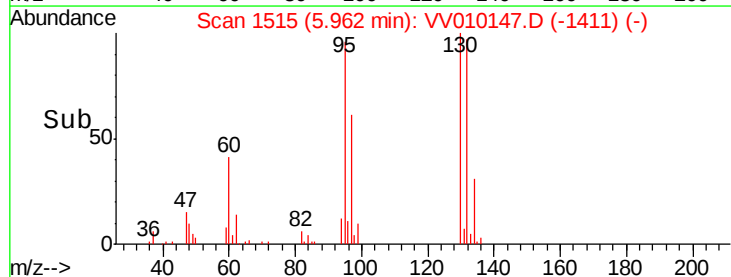
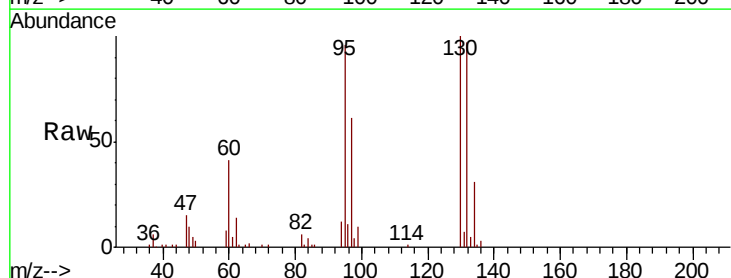
Instrument :
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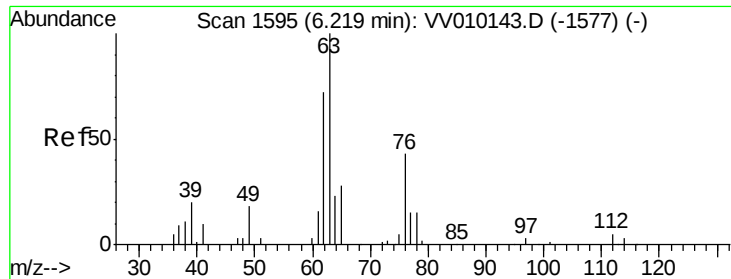
Tgt Ion: 78 Resp: 3117



#35
Trichloroethene
Concen: 17.553 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VV010147.D
Acq: 06 Apr 2019 12:33

Tgt Ion: 95 Resp: 40903
Ion Ratio Lower Upper
95 100
97 65.0 45.8 85.2
132 98.9 70.6 131.0
130 105.8 76.1 141.3

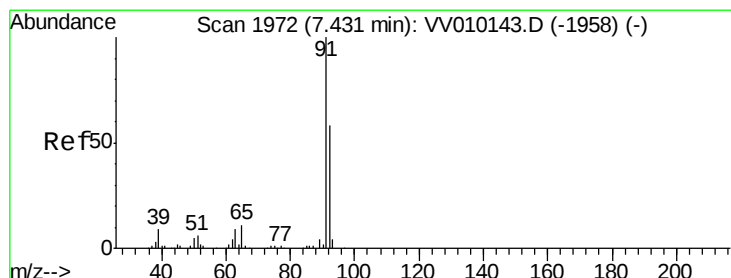
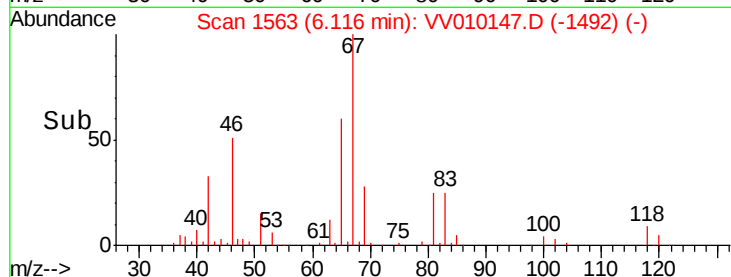
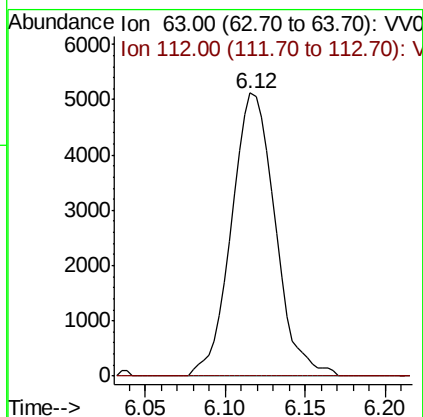
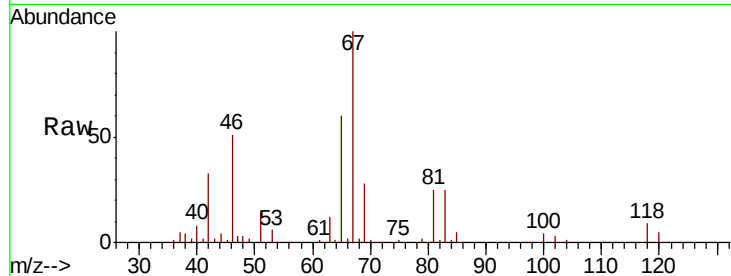




#40
 1,2-Dichloropropane
 Concen: 4.661 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV010147.D
 Acq: 06 Apr 2019 12:33

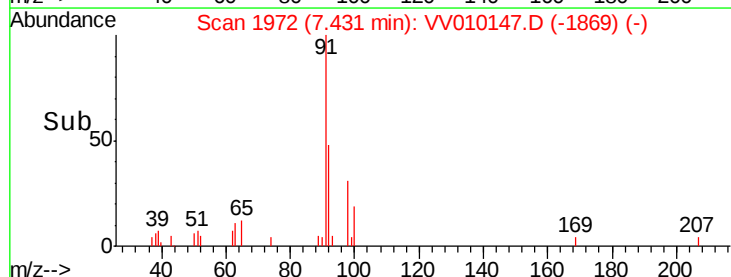
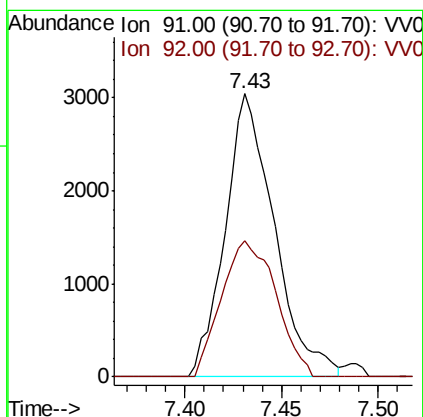
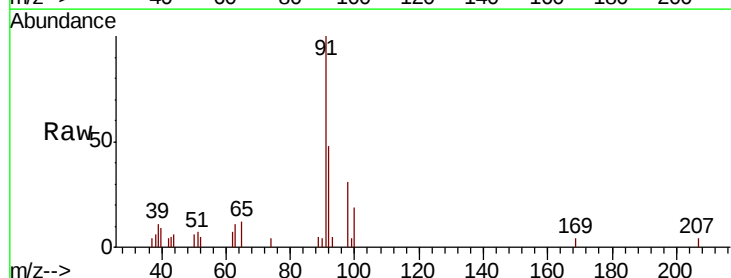
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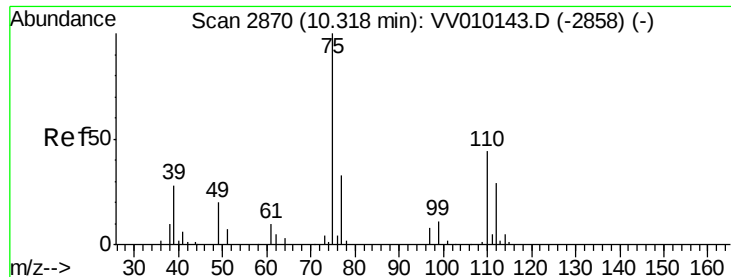
Tgt Ion: 63 Resp: 9535
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#44
 Toluene
 Concen: 0.592 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV010147.D
 Acq: 06 Apr 2019 12:33

Tgt Ion: 91 Resp: 5382
 Ion Ratio Lower Upper
 91 100
 92 48.1 41.0 76.2





#59

1,2,3-Trichloropropane

Concen: 3.474 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV010147.D

Acq: 06 Apr 2019 12:33

Instrument :

MSVOA_V

ClientSampleId :

ETJ33

Tgt Ion: 75 Resp: 5804

Ion Ratio Lower Upper

75 100

77 26.1 25.8 38.8

