

Data File : VV012953.D
Acq On : 23 Sep 2019 22:52
Operator : SY/MD
Sample : K4984-06
Misc : 5.39G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BEDLO

Quant Time: Sep 24 07:44:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 07:38:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	745072	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	601804	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	203955	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	270464	23.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.56%
7) Chloroethane-d5	1.58	69	230755	24.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.76%
10) 1,1-Dichloroethene-d2	2.13	63	319424	16.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.48%
20) 2-Butanone-d5	3.93	46	198905	49.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.66%
24) Chloroform-d	4.40	84	460065	22.48	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.92%
26) 1,2-Dichloroethane-d4	5.08	65	281951	23.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.80%
29) Benzene-d6	5.10	84	945635	28.14	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.56%
33) 1,2-Dichloropropane-d6	6.12	67	309152	29.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	117.40%
37) Toluene-d8	7.36	98	717020	23.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.04%
38) trans-1,3-Dichloropropene-	7.66	79	115507	25.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.60%
39) 2-Hexanone-d5	8.14	63	146056	68.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	137.82%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	307159	30.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	122.84%#
61) 1,2-Dichlorobenzene-d4	11.67	152	202550	25.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.24%

Target Compounds

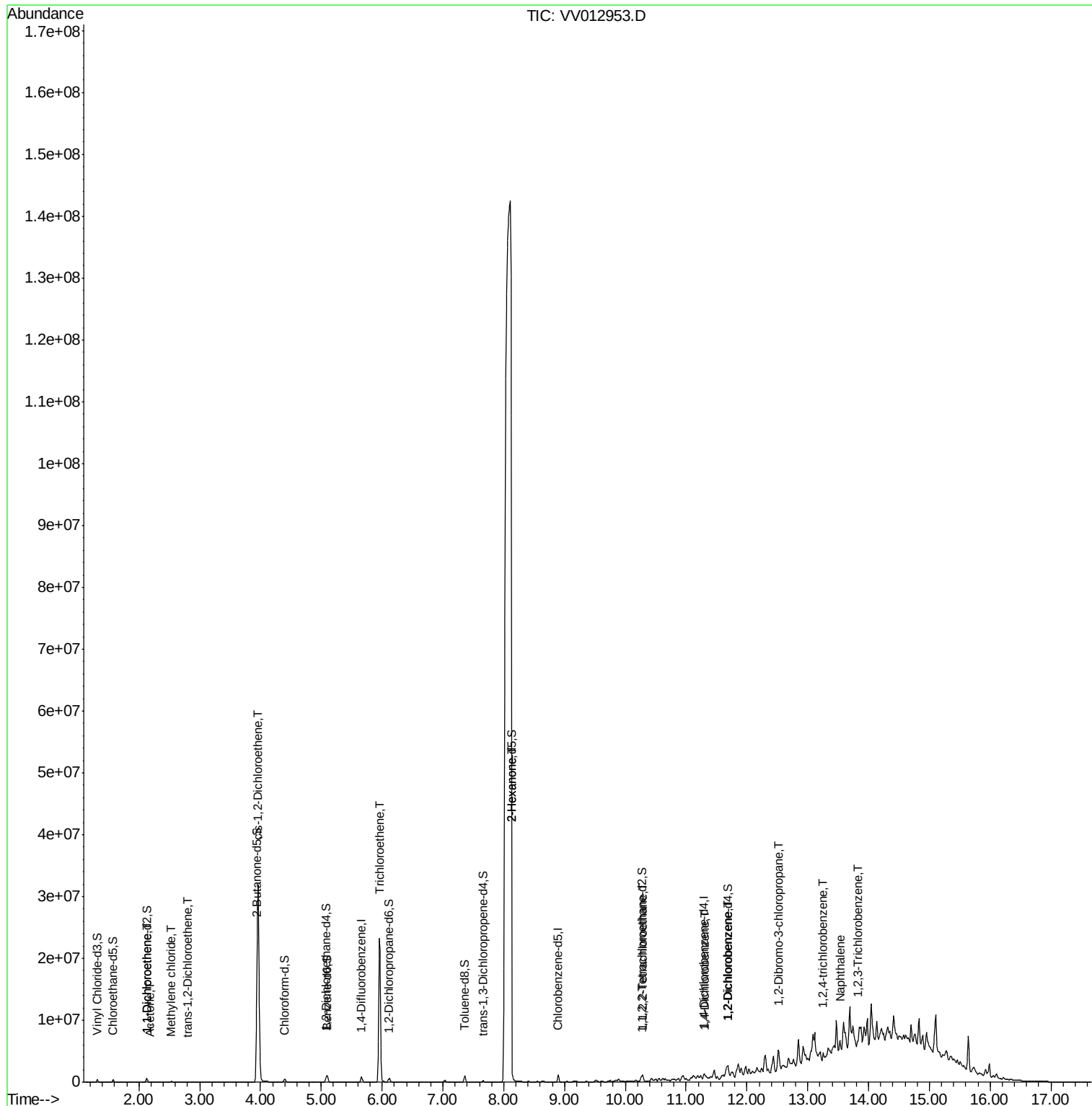
					Qvalue
12) 1,1-Dichloroethene	2.14	96	12449	1.478 ug/L #	1
13) Acetone	2.19	43	46592	10.982 ug/L	99
16) Methylene chloride	2.53	84	43335	3.891 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	7964	0.799 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	18638515	1708.252 ug/L	89
35) Trichloroethene	5.96	95	8021916	859.635 ug/L	99
49) 2-Hexanone	8.14	43	16690	3.094 ug/L #	35
58) 1,1,2,2-Tetrachloroethane	10.29	83	85110	9.303 ug/L #	35
64) 1,4-Dichlorobenzene	11.31	146	134071	10.175 ug/L #	78
65) 1,2-Dichlorobenzene	11.69	146	185165	15.463 ug/L #	79
66) 1,2-Dibromo-3-chloropropan	12.53	75	1023	0.964 ug/L #	1
68) 1,2,4-trichlorobenzene	13.26	180	16146	1.880 ug/L #	16
69) Naphthalene	13.55	128	10083	0.584 ug/L #	1
70) 1,2,3-Trichlorobenzene	13.82	180	126830	15.361 ug/L #	30

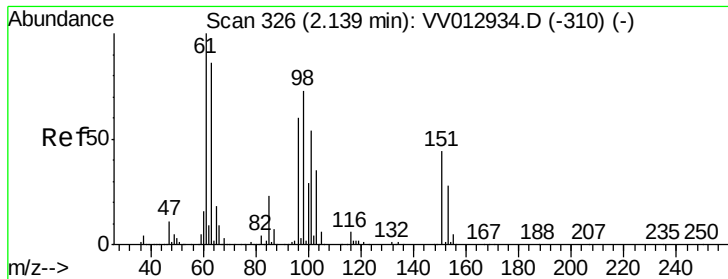
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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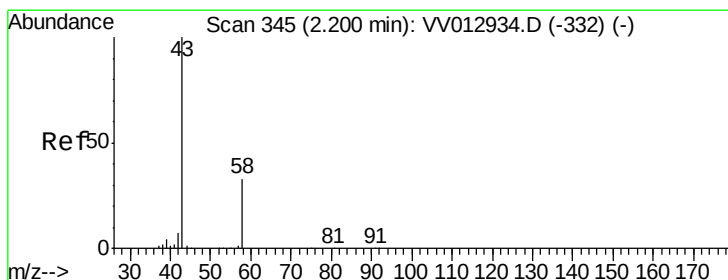
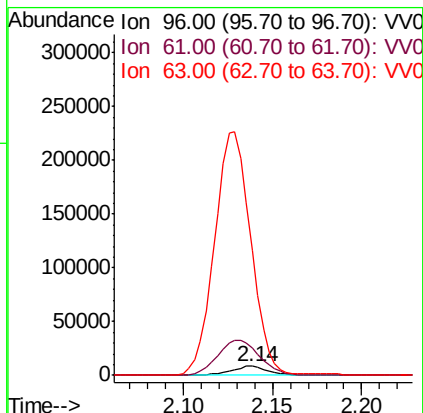
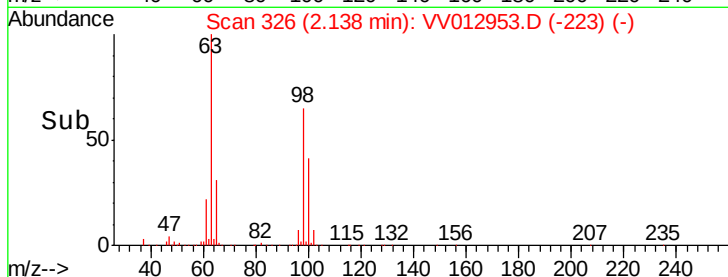
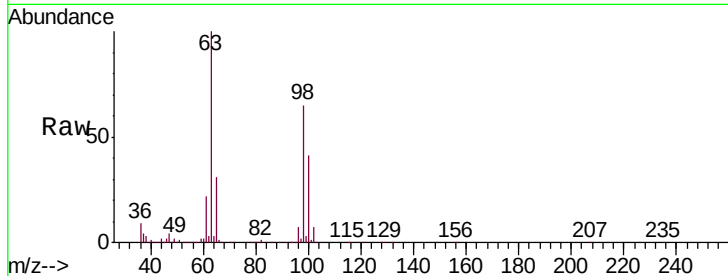




#12
 1,1-Dichloroethene
 Concen: 1.478 ug/L
 RT: 2.14 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VV012953.D
 Acq: 23 Sep 2019 22:52

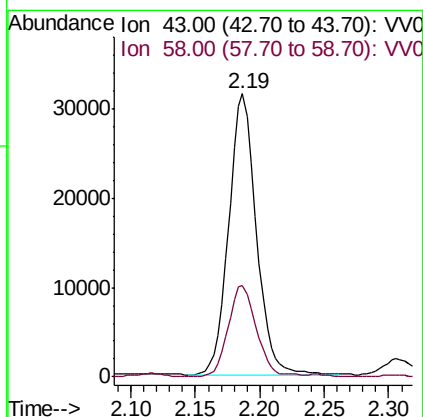
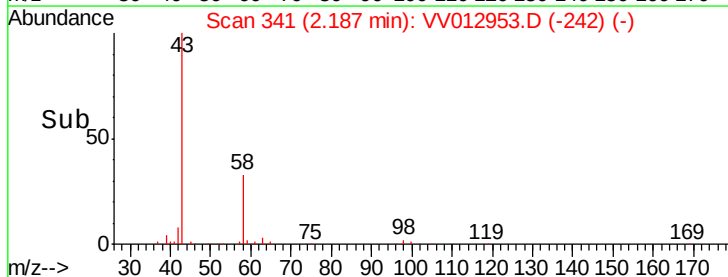
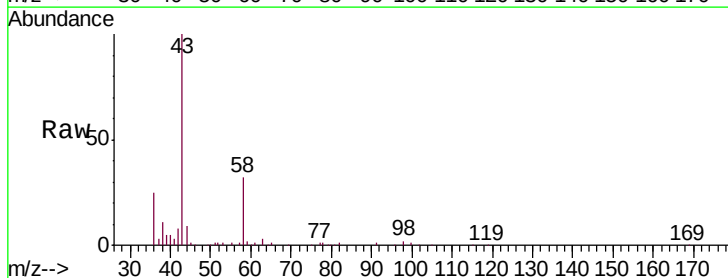
Instrument :
 MSVOA_V
 ClientSampleId :
 BEDL0

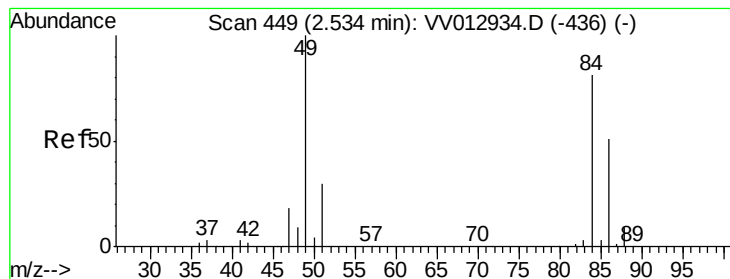
Tgt Ion: 96 Resp: 12449
 Ion Ratio Lower Upper
 96 100
 61 303.8 117.2 217.8#
 63 1407.3 89.6 166.4#



#13
 Acetone
 Concen: 10.982 ug/L
 RT: 2.19 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VV012953.D
 Acq: 23 Sep 2019 22:52

Tgt Ion: 43 Resp: 46592
 Ion Ratio Lower Upper
 43 100
 58 33.0 0.0 65.0





#16

Methylene chloride

Concen: 3.891 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV012953.D

Acq: 23 Sep 2019 22:52

Instrument :

MSVOA_V

ClientSampled :

BEDL0

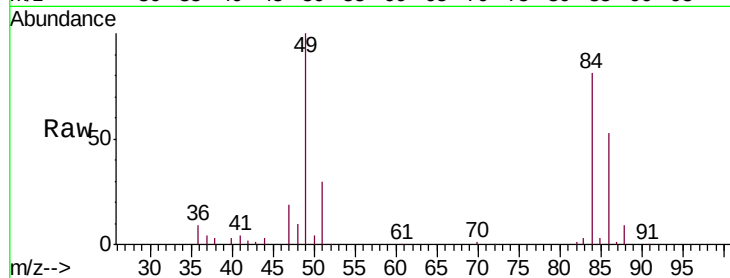
Tgt Ion: 84 Resp: 43335

Ion Ratio Lower Upper

84 100

49 123.6 88.3 164.1

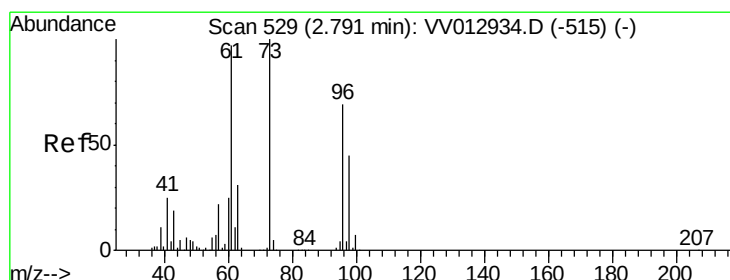
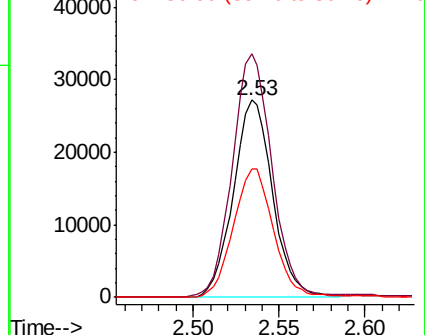
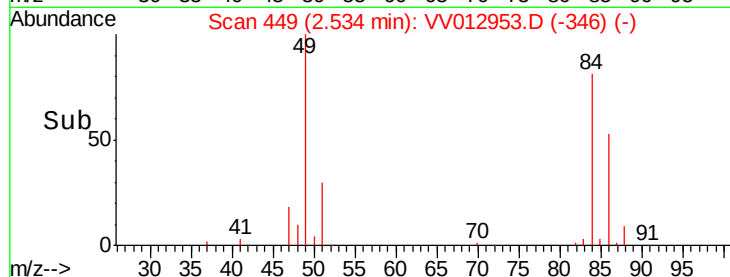
86 65.2 44.9 83.3



Abundance Ion 84.00 (83.70 to 84.70): VV012953.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV012953.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV012953.D (-436) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.799 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV012953.D

Acq: 23 Sep 2019 22:52

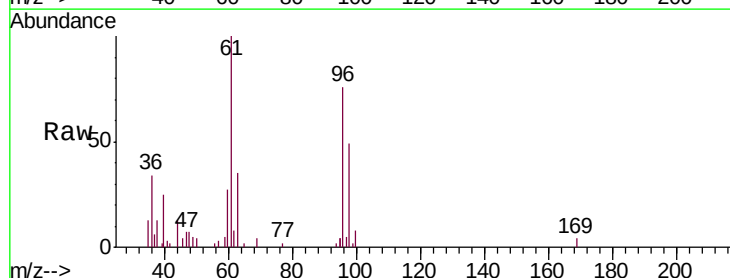
Tgt Ion: 96 Resp: 7964

Ion Ratio Lower Upper

96 100

61 132.1 96.8 179.8

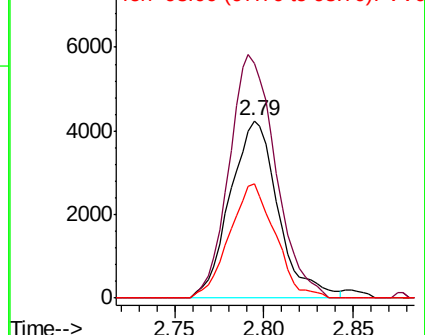
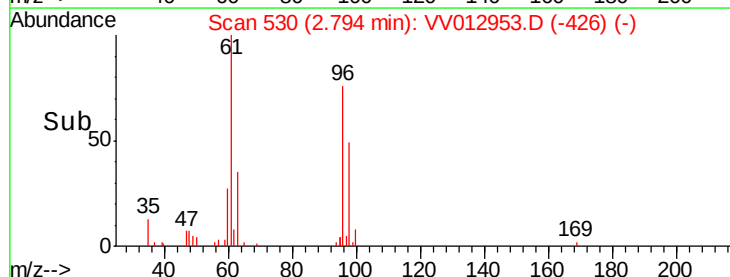
98 64.8 44.8 83.2

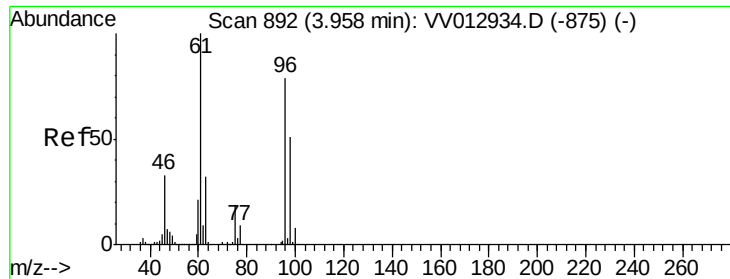


Abundance Ion 96.00 (95.70 to 96.70): VV012953.D (-426) (-)

Ion 61.00 (60.70 to 61.70): VV012953.D (-426) (-)

Ion 98.00 (97.70 to 98.70): VV012953.D (-426) (-)



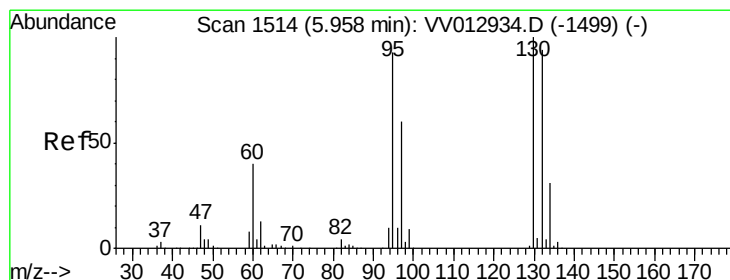
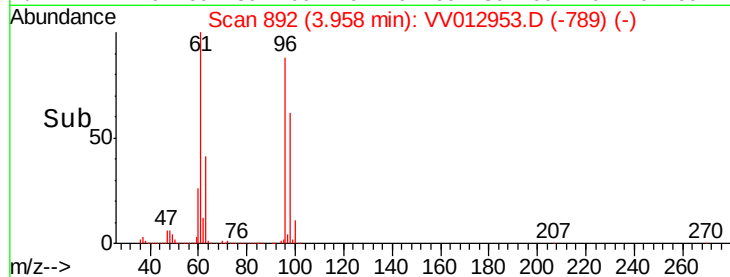
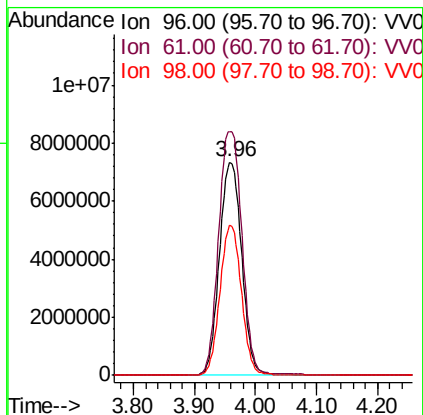
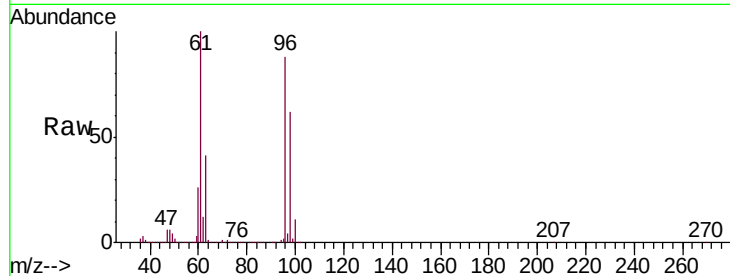


#22

cis-1,2-Dichloroethene
Concen: 1708.252 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV012953.D
Acq: 23 Sep 2019 22:52

Instrument :
MSVOA_V
ClientSampled :
BEDL0

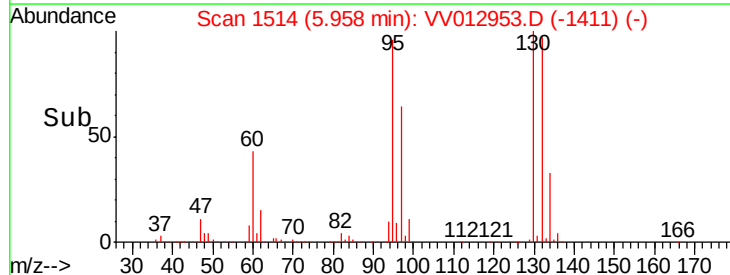
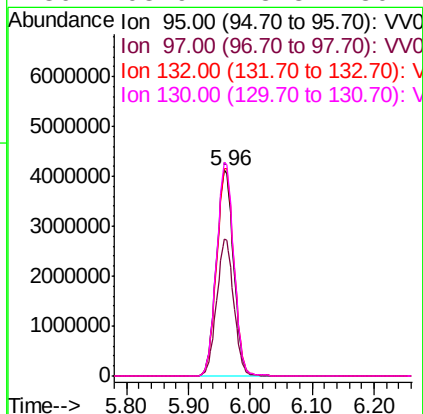
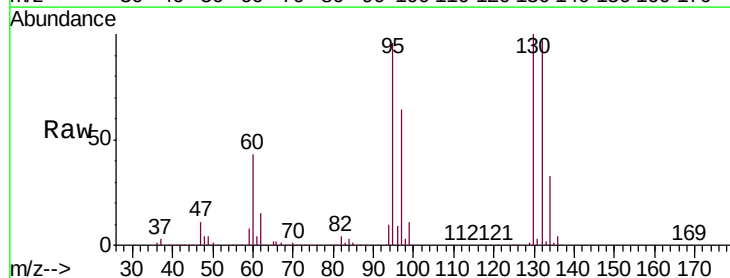
Tgt Ion: 96 Resp:18638515
Ion Ratio Lower Upper
96 100
61 114.2 90.9 168.7
98 70.3 45.6 84.6

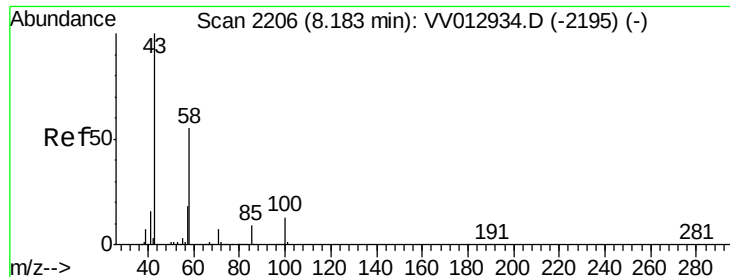


#35

Trichloroethene
Concen: 859.635 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VV012953.D
Acq: 23 Sep 2019 22:52

Tgt Ion: 95 Resp: 8021916
Ion Ratio Lower Upper
95 100
97 65.8 44.7 82.9
132 101.0 70.1 130.1
130 103.9 73.3 136.1





#49

2-Hexanone

Concen: 3.094 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. -0.04 min

Lab File: VV012953.D

Acq: 23 Sep 2019 22:52

Instrument :

MSVOA_V

ClientSampleId :

BEDL0

Tgt Ion: 43 Resp: 16690

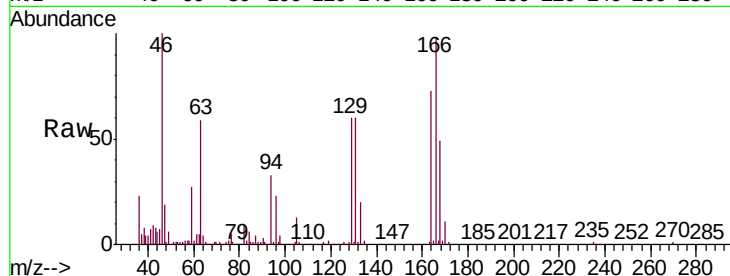
Ion Ratio Lower Upper

43 100

58 0.0 46.5 69.7#

57 41.2 15.5 23.3#

100 0.3 9.7 14.5#

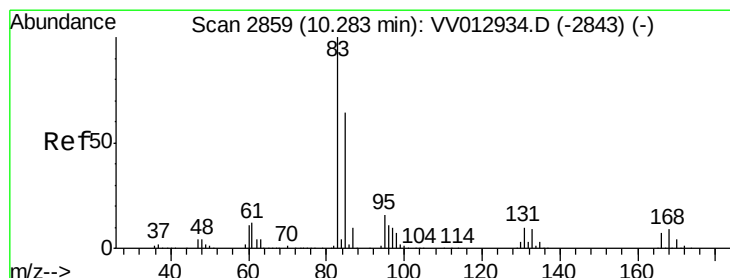
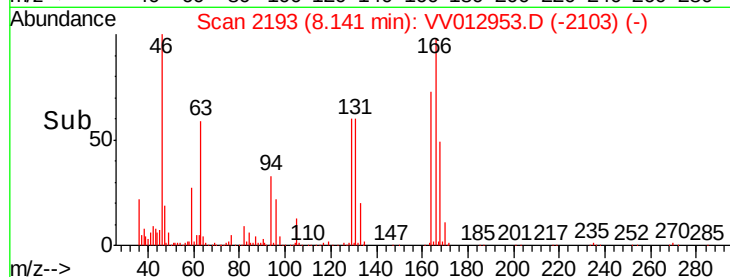
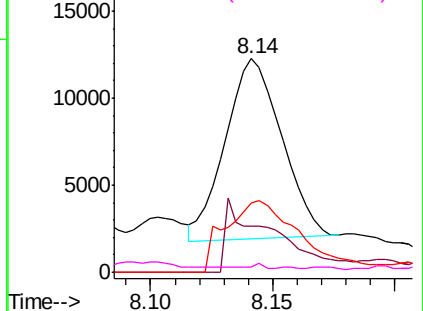


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#58

1,1,2,2-Tetrachloroethane

Concen: 9.303 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012953.D

Acq: 23 Sep 2019 22:52

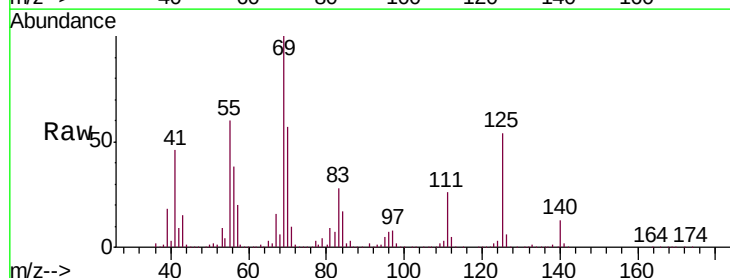
Tgt Ion: 83 Resp: 85110

Ion Ratio Lower Upper

83 100

85 8.7 45.4 84.2#

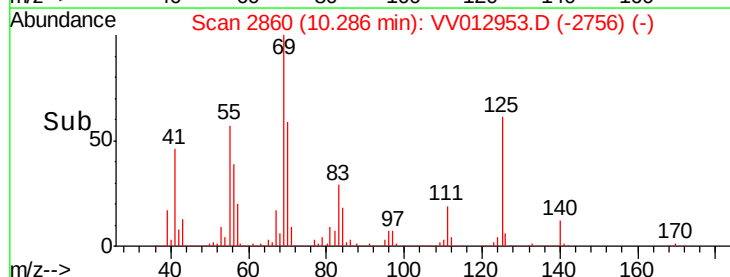
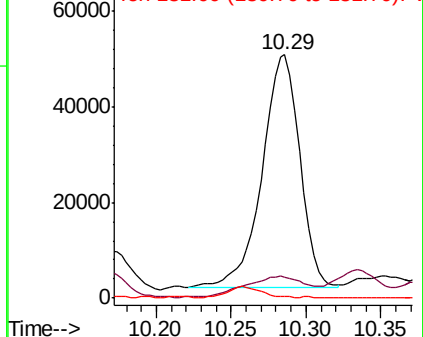
131 0.6 8.2 12.2#

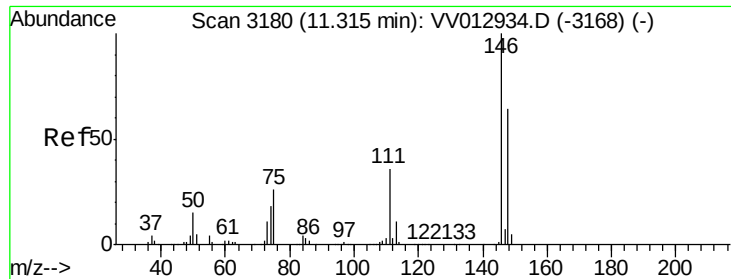


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): VV0

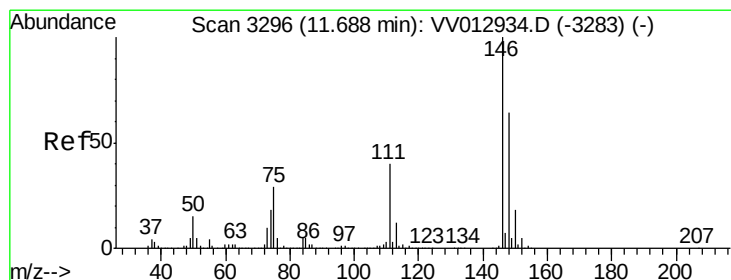
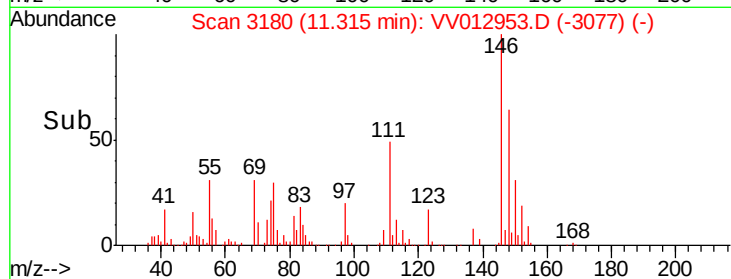
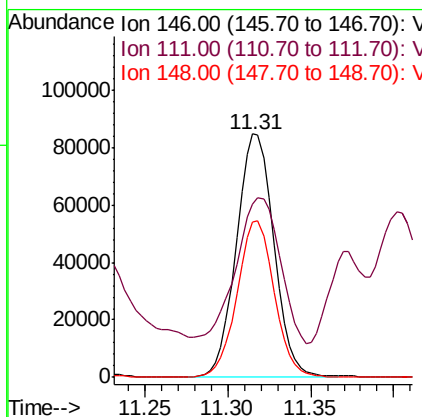
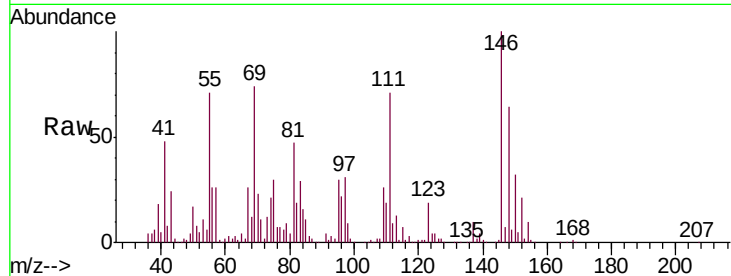




#64
 1,4-Dichlorobenzene
 Concen: 10.175 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV012953.D
 Acq: 23 Sep 2019 22:52

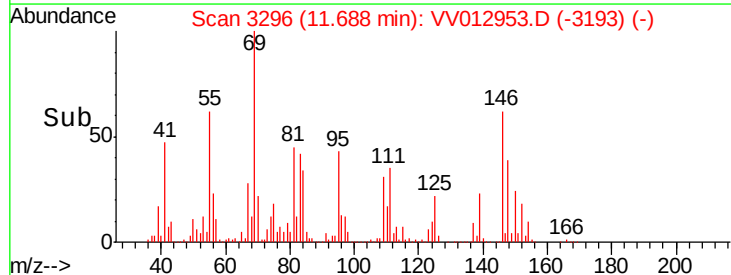
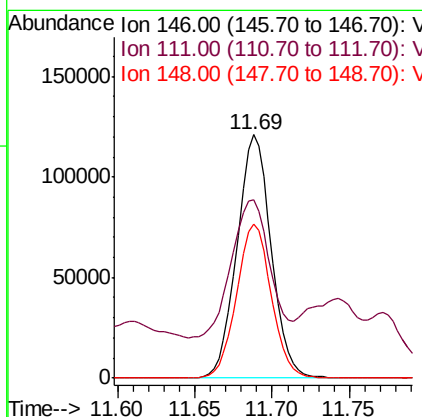
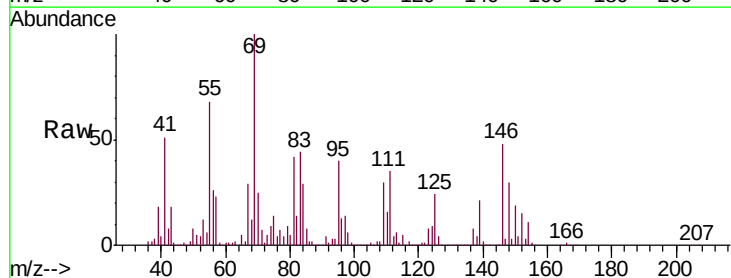
Instrument :
 MSVOA_V
 ClientSampleId :
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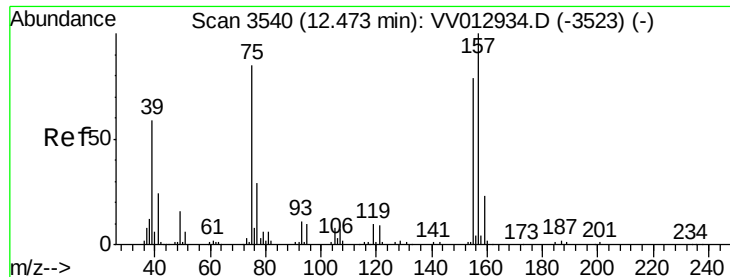
Tgt Ion:146 Resp: 134071
 Ion Ratio Lower Upper
 146 100
 111 71.4 25.5 47.3#
 148 63.9 45.1 83.9



#65
 1,2-Dichlorobenzene
 Concen: 15.463 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012953.D
 Acq: 23 Sep 2019 22:52

Tgt Ion:146 Resp: 185165
 Ion Ratio Lower Upper
 146 100
 111 73.2 31.9 47.9#
 148 63.5 51.0 76.6

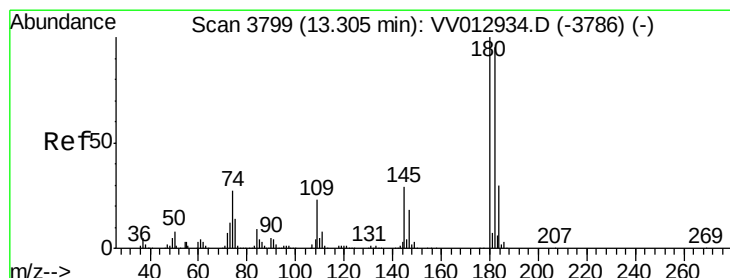
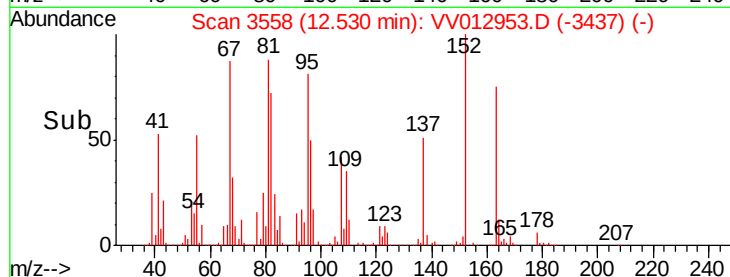
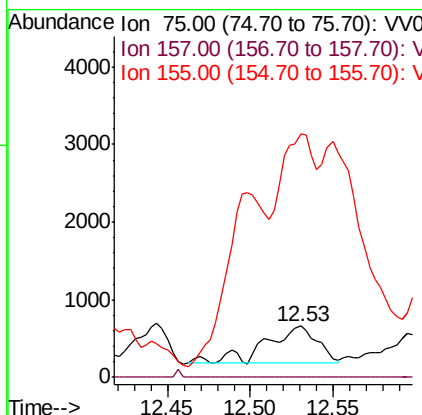
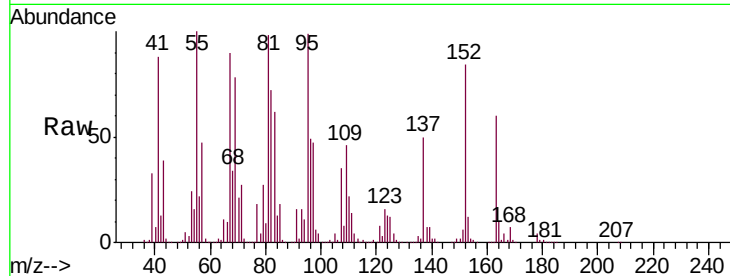




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.964 ug/L
 RT: 12.53 min Scan# 3558
 Delta R.T. 0.06 min
 Lab File: VV012953.D
 Acq: 23 Sep 2019 22:52

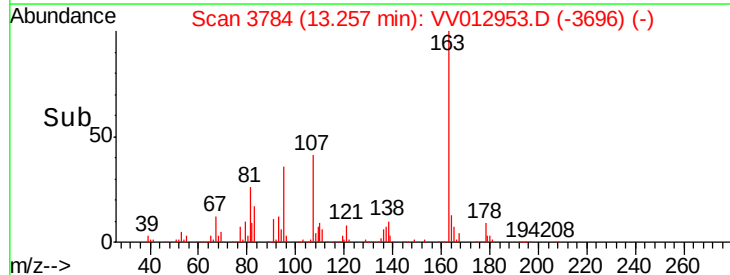
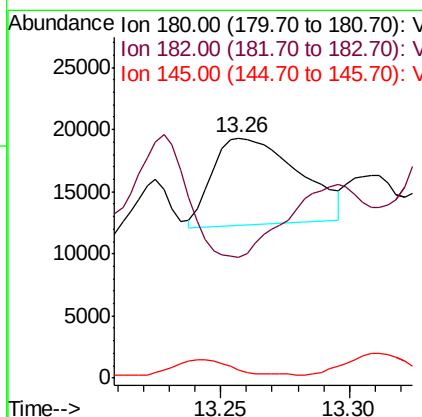
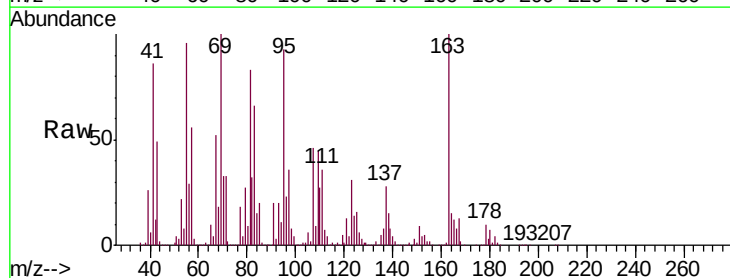
Instrument :
 MSVOA_V
 ClientSampleId :
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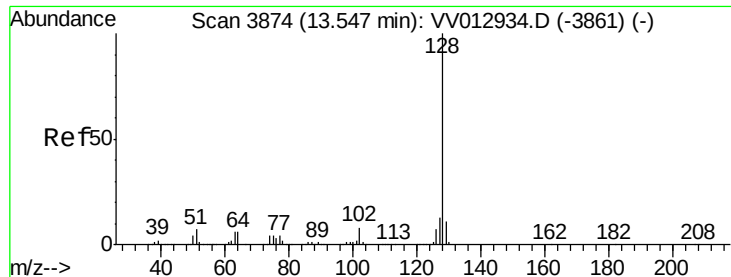
Tgt Ion: 75 Resp: 1023
 Ion Ratio Lower Upper
 75 100
 157 0.0 91.7 137.5#
 155 475.3 70.8 106.2#



#68
 1,2,4-trichlorobenzene
 Concen: 1.880 ug/L
 RT: 13.26 min Scan# 3784
 Delta R.T. -0.05 min
 Lab File: VV012953.D
 Acq: 23 Sep 2019 22:52

Tgt Ion: 180 Resp: 16146
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.8 115.2#
 145 10.6 22.6 34.0#





#69

Naphthalene

Concen: 0.584 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.01 min

Lab File: VV012953.D

Acq: 23 Sep 2019 22:52

Instrument :

MSVOA_V

ClientSampled :

BEDL0

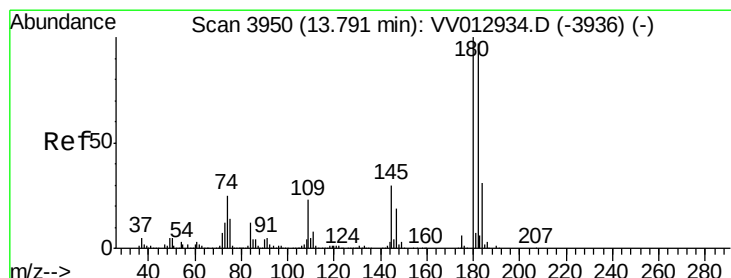
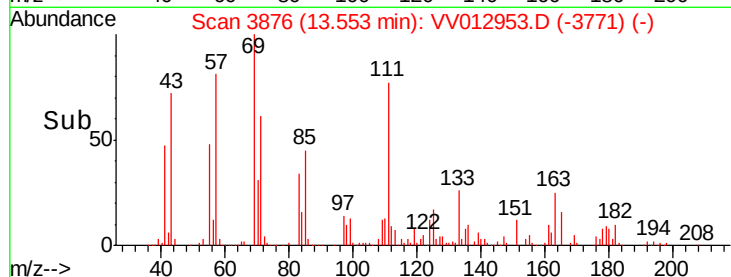
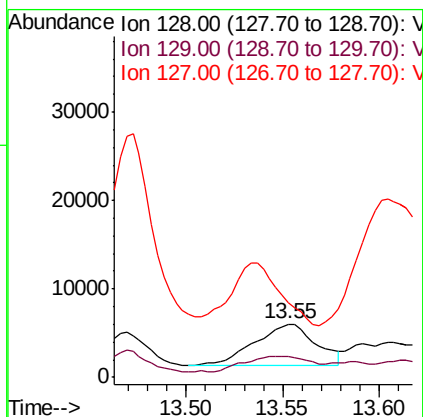
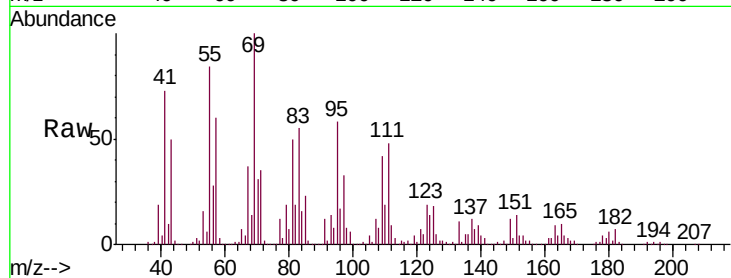
Tgt Ion:128 Resp: 10083

Ion Ratio Lower Upper

128 100

129 41.2 8.7 13.1#

127 122.6 10.2 15.2#



#70

1,2,3-Trichlorobenzene

Concen: 15.361 ug/L

RT: 13.82 min Scan# 3958

Delta R.T. 0.03 min

Lab File: VV012953.D

Acq: 23 Sep 2019 22:52

Tgt Ion:180 Resp: 126830

Ion Ratio Lower Upper

180 100

182 20.2 77.4 116.2#

145 6.1 23.9 35.9#

