

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040619\
 Data File : VV010145.D
 Acq On : 06 Apr 2019 11:41
 Operator : SY/MD
 Sample : K2259-11
 Misc : 4.72G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETJ31

Quant Time: Apr 07 00:52:33 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	143961	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	91613	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	24288	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39605	20.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.20%
7) Chloroethane-d5	1.58	69	52672	22.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.00%
10) 1,1-Dichloroethene-d2	2.13	63	76012	15.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.52%
20) 2-Butanone-d5	3.95	46	35470	64.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.36%
24) Chloroform-d	4.40	84	94376	26.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.08%
26) 1,2-Dichloroethane-d4	5.08	65	63919	31.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	126.00%
29) Benzene-d6	5.10	84	187437	39.45	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	157.80%#
33) 1,2-Dichloropropane-d6	6.12	67	58634	41.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	167.28%#
37) Toluene-d8	7.36	98	135472	29.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	118.40%
38) trans-1,3-Dichloropropene-	7.66	79	15673	26.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.60%
39) 2-Hexanone-d5	8.14	63	24553	87.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	174.62%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	40149	29.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.12%
61) 1,2-Dichlorobenzene-d4	11.68	152	23744	25.10	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.40%

Target Compounds

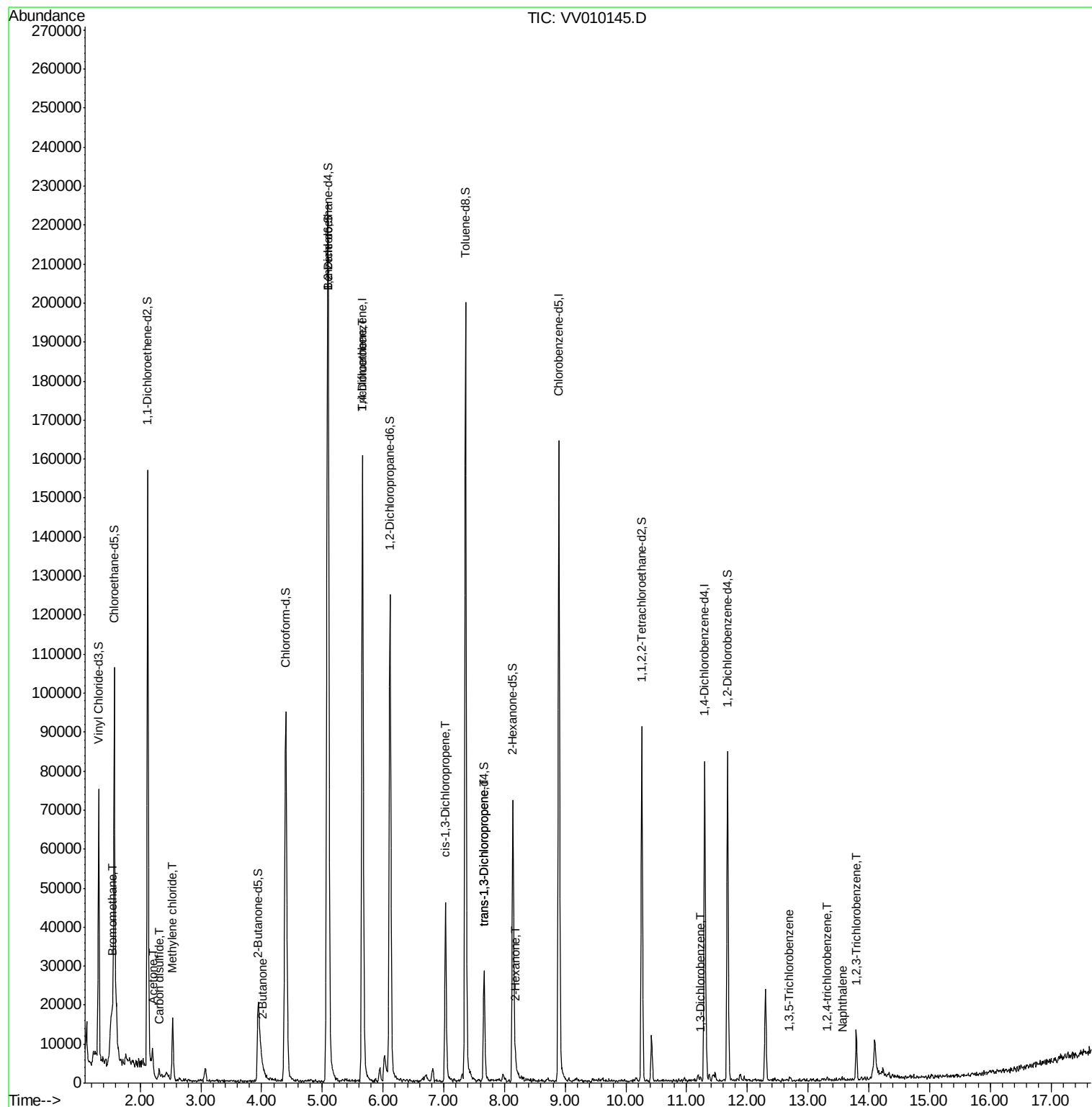
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Bromomethane	1.53	94	1134	0.496	ug/L	99
13) Acetone	2.20	43	9436	17.403	ug/L	100
14) Carbon disulfide	2.31	76	3081	0.754	ug/L #	83
16) Methylene chloride	2.53	84	6439	2.546	ug/L	93
21) 2-Butanone	4.02	43	916	1.543	ug/L #	63
35) Trichloroethene	5.66	95	1524	1.182	ug/L #	5
42) cis-1,3-Dichloropropene	7.03	75	1547	0.944	ug/L	89
45) trans-1,3-Dichloropropene	7.67	75	843	0.605	ug/L	95
49) 2-Hexanone	8.18	43	1020	1.705	ug/L #	53
63) 1,3-Dichlorobenzene	11.23	146	556	0.390	ug/L #	46
67) 1,3,5-Trichlorobenzene	12.69	180	525	0.496	ug/L #	61
68) 1,2,4-trichlorobenzene	13.32	180	213	0.263	ug/L #	52
69) Naphthalene	13.56	128	448	0.332	ug/L #	71
70) 1,2,3-Trichlorobenzene	13.79	180	332	0.439	ug/L #	50

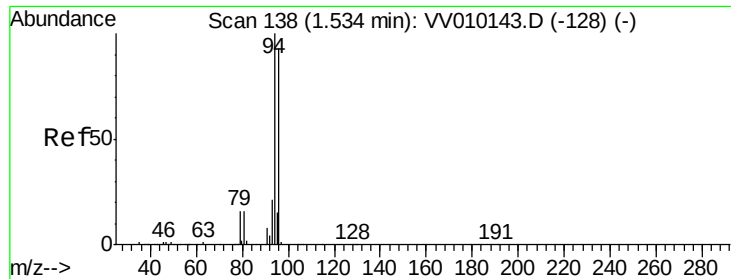
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Bromomethane

Concen: 0.496 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV010145.D

Acq: 06 Apr 2019 11:41

Instrument :

MSVOA_V

ClientSampleId :

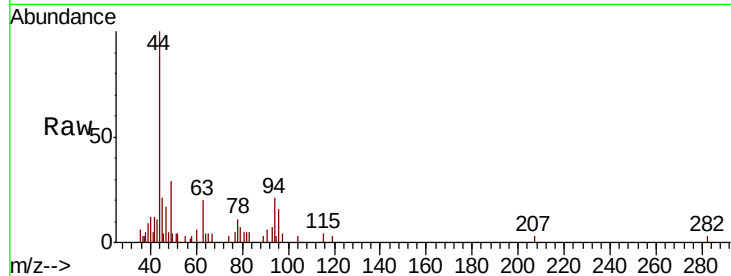
ETJ31

Tgt Ion: 94 Resp: 1134

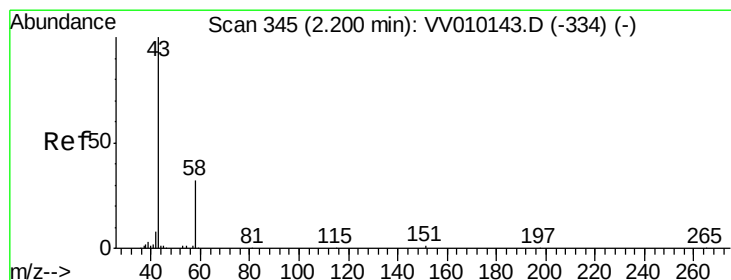
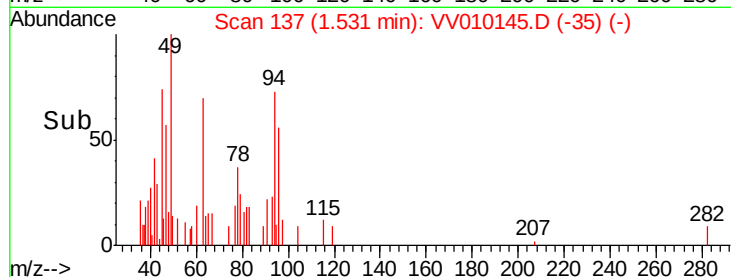
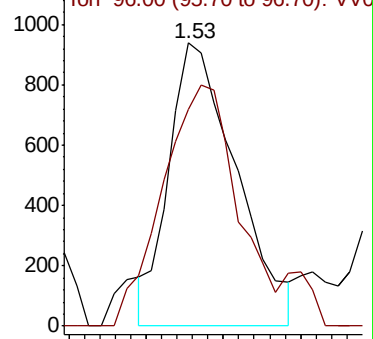
Ion Ratio Lower Upper

94 100

96 94.7 9.4 177.8



Abundance Ion 94.00 (93.70 to 94.70): VV010143.D (-128) (-)



#13

Acetone

Concen: 17.403 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV010145.D

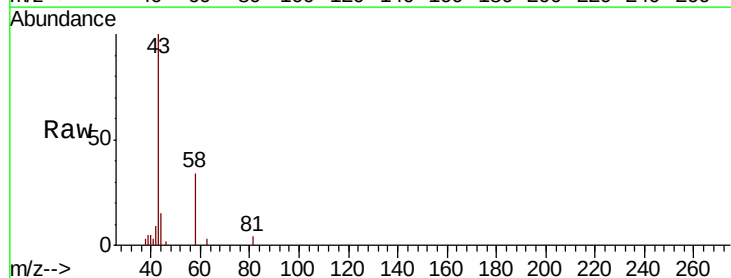
Acq: 06 Apr 2019 11:41

Tgt Ion: 43 Resp: 9436

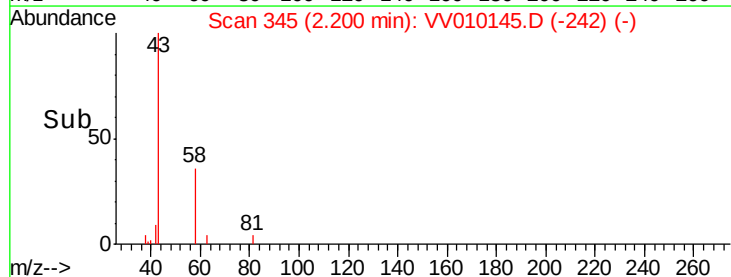
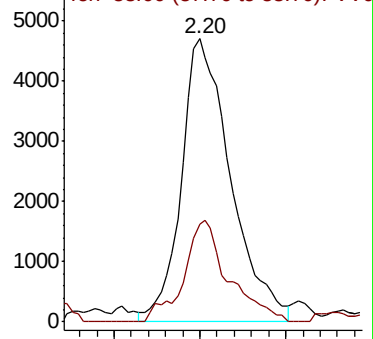
Ion Ratio Lower Upper

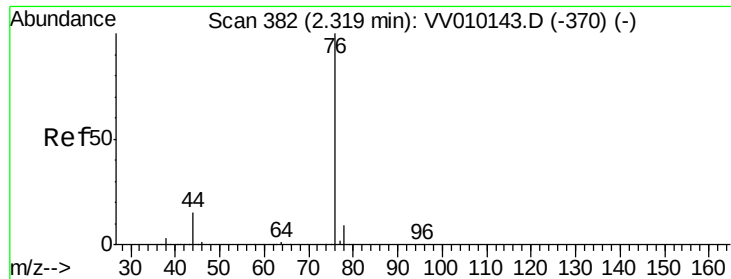
43 100

58 32.3 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV010143.D (-334) (-)





#14

Carbon disulfide

Concen: 0.754 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV010145.D

Acq: 06 Apr 2019 11:41

Instrument :

MSVOA_V

ClientSampleId :

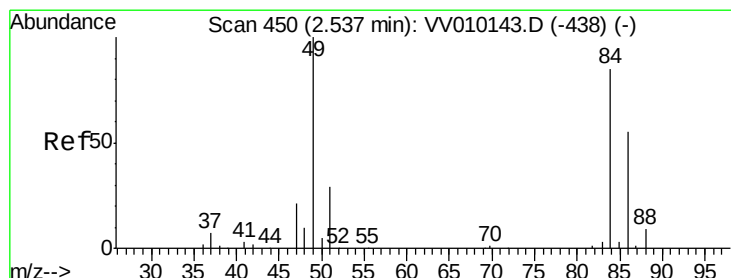
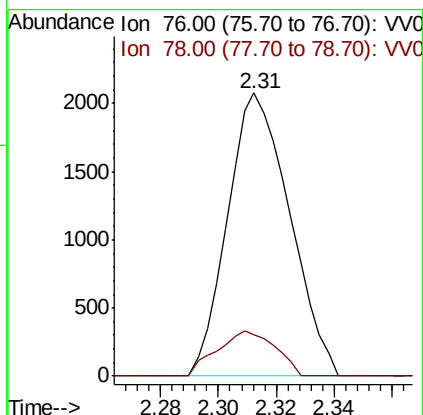
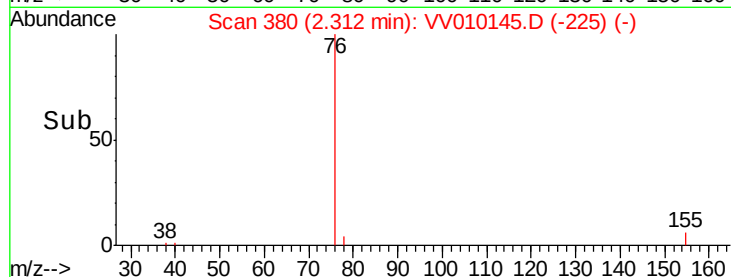
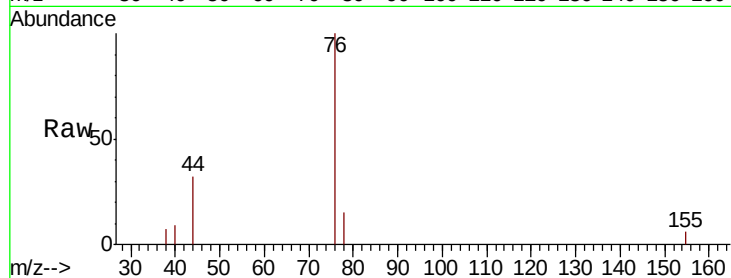
ETJ31

Tgt Ion: 76 Resp: 3081

Ion Ratio Lower Upper

76 100

78 14.9 7.1 10.7#



#16

Methylene chloride

Concen: 2.546 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV010145.D

Acq: 06 Apr 2019 11:41

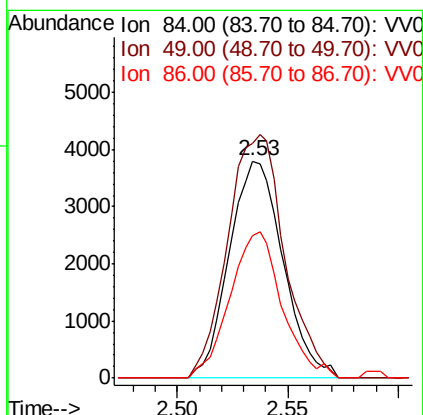
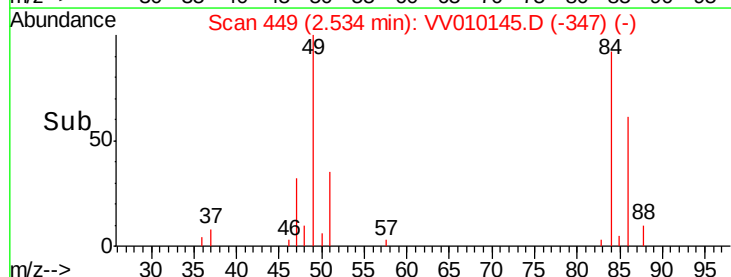
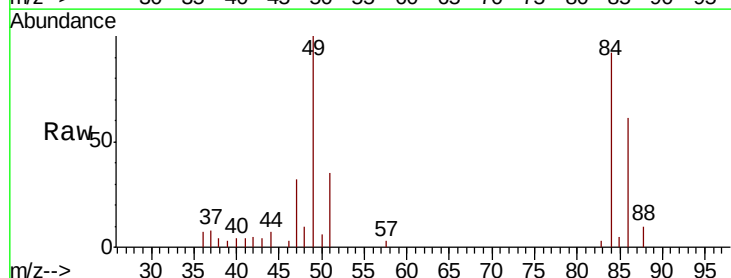
Tgt Ion: 84 Resp: 6439

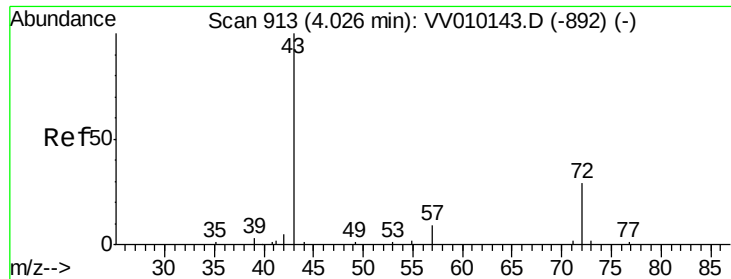
Ion Ratio Lower Upper

84 100

49 108.5 84.3 156.5

86 65.8 45.4 84.2





#21

2-Butanone

Concen: 1.543 ug/L

RT: 4.02 min Scan# 912

Delta R.T. -0.01 min

Lab File: VV010145.D

Acq: 06 Apr 2019 11:41

Instrument :

MSVOA_V

ClientSampled :

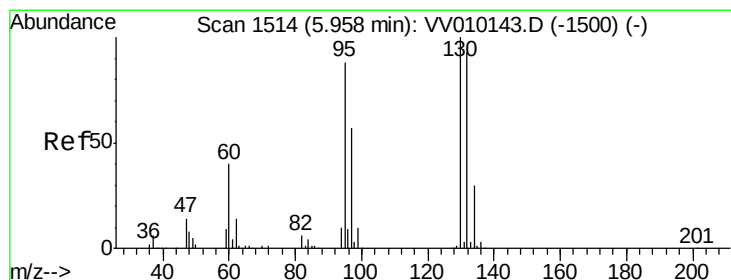
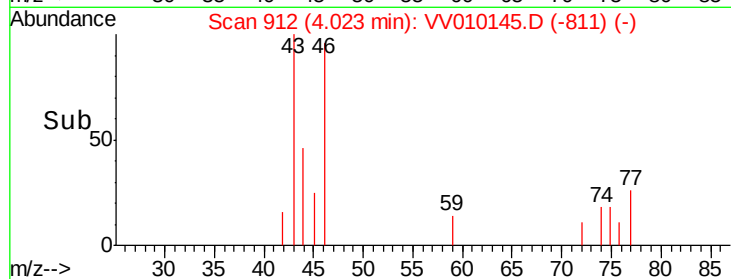
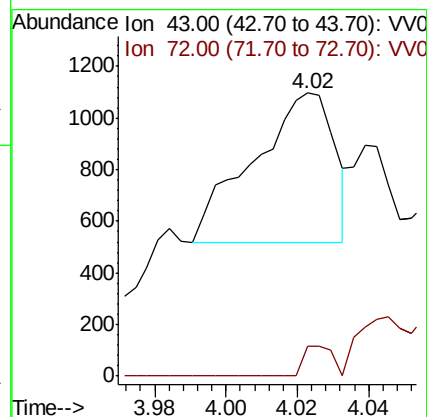
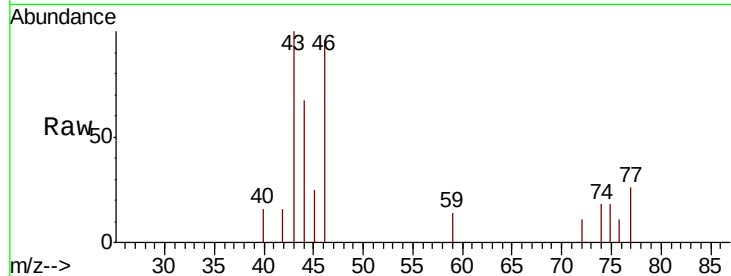
ETJ31

Tgt Ion: 43 Resp: 916

Ion Ratio Lower Upper

43 100

72 7.0 12.8 38.4#



#35

Trichloroethene

Concen: 1.182 ug/L

RT: 5.66 min Scan# 1420

Delta R.T. -0.30 min

Lab File: VV010145.D

Acq: 06 Apr 2019 11:41

Tgt Ion: 95 Resp: 1524

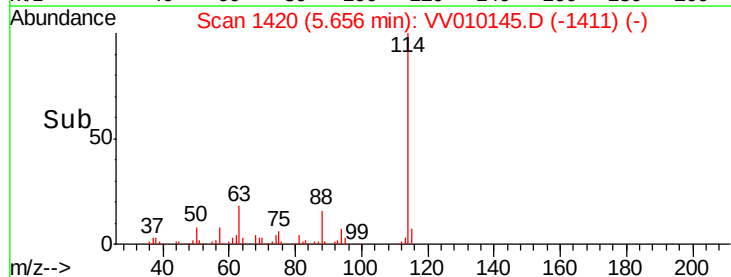
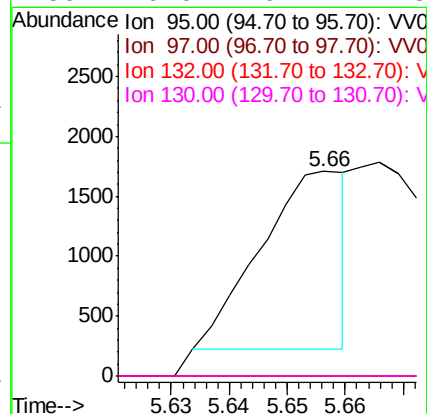
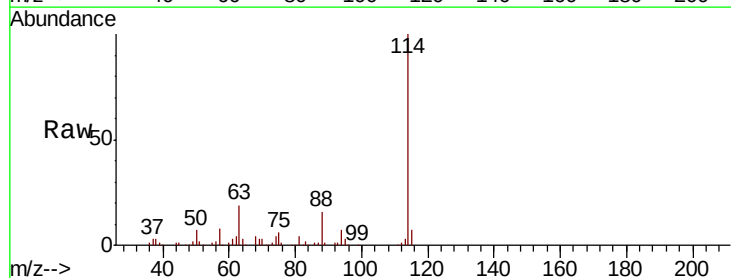
Ion Ratio Lower Upper

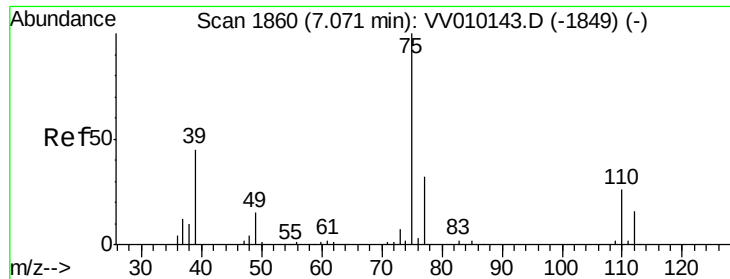
95 100

97 2.8 45.8 85.2#

132 3.5 70.6 131.0#

130 0.0 76.1 141.3#



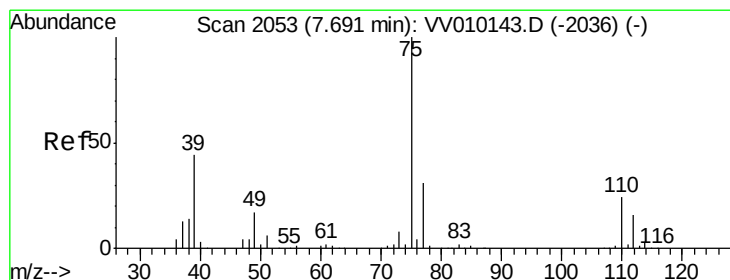
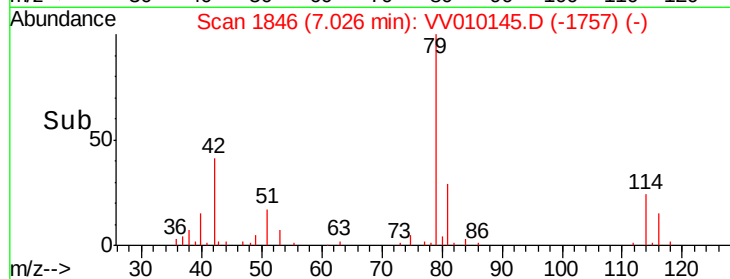
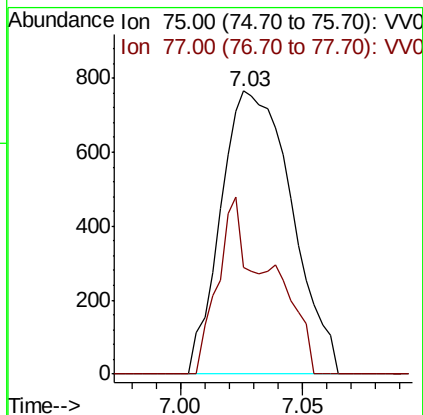
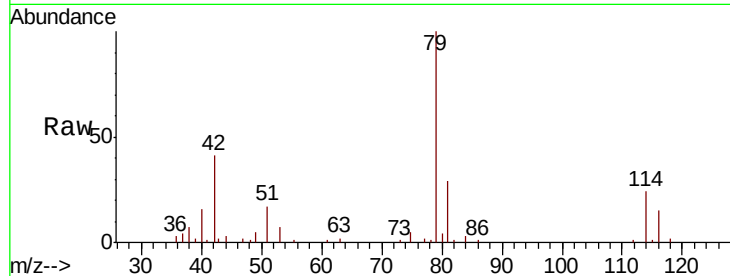


#42

cis-1,3-Dichloropropene
Concen: 0.944 ug/L
RT: 7.03 min Scan# 1846
Delta R.T. -0.04 min
Lab File: VV010145.D
Acq: 06 Apr 2019 11:41

Instrument :
MSVOA_V
ClientSampleId :
ETJ31

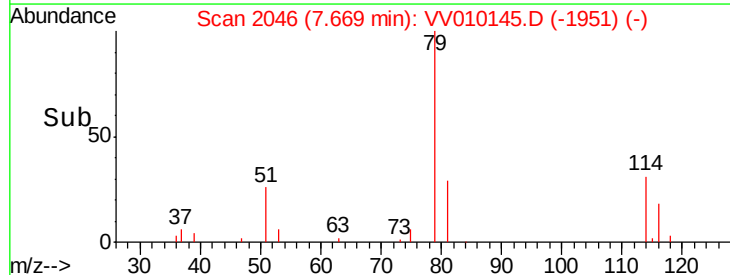
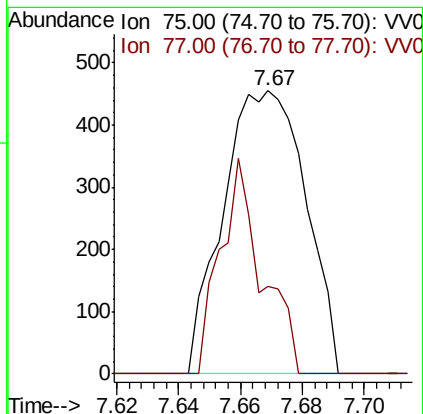
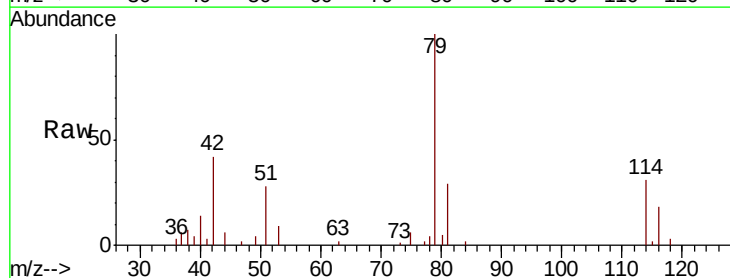
Tgt Ion: 75 Resp: 1547
Ion Ratio Lower Upper
75 100
77 37.6 22.1 41.1

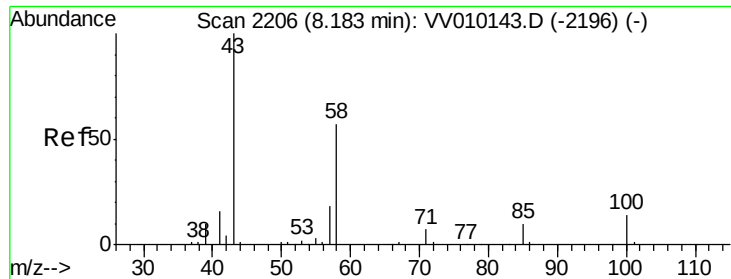


#45

trans-1,3-Dichloropropene
Concen: 0.605 ug/L
RT: 7.67 min Scan# 2046
Delta R.T. -0.03 min
Lab File: VV010145.D
Acq: 06 Apr 2019 11:41

Tgt Ion: 75 Resp: 843
Ion Ratio Lower Upper
75 100
77 31.0 23.5 43.7

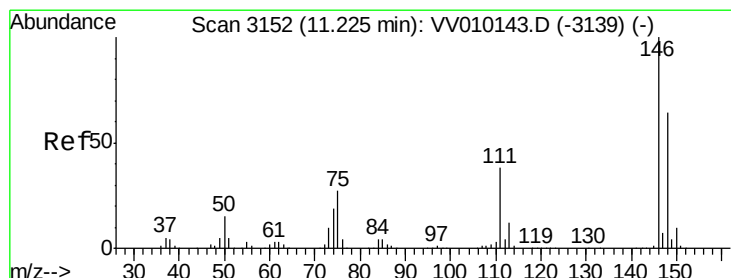
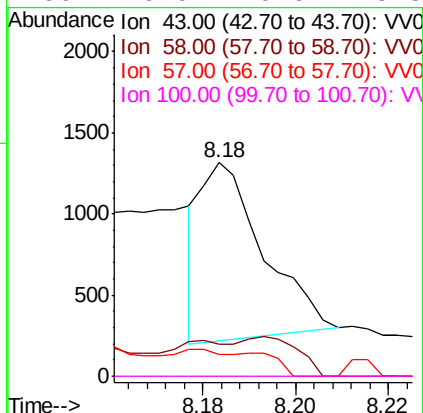
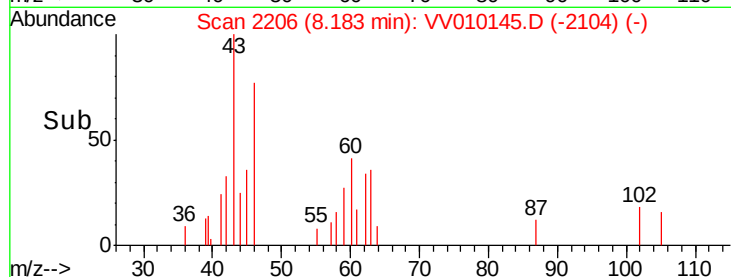
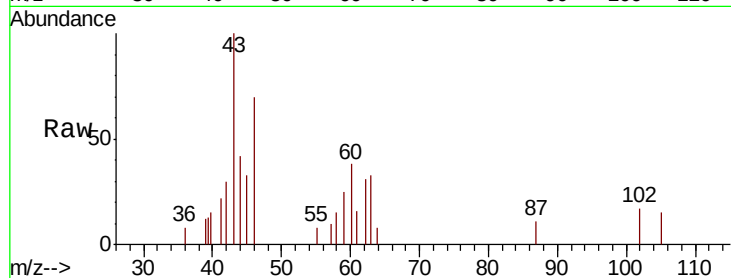




#49
2-Hexanone
Concen: 1.705 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV010145.D
Acq: 06 Apr 2019 11:41

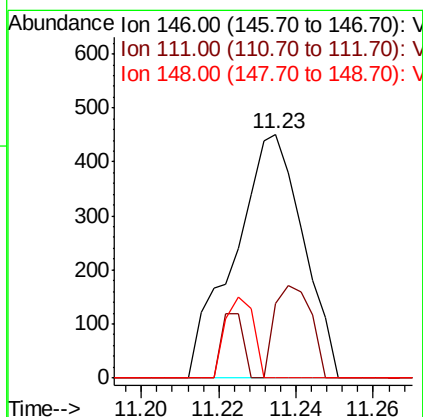
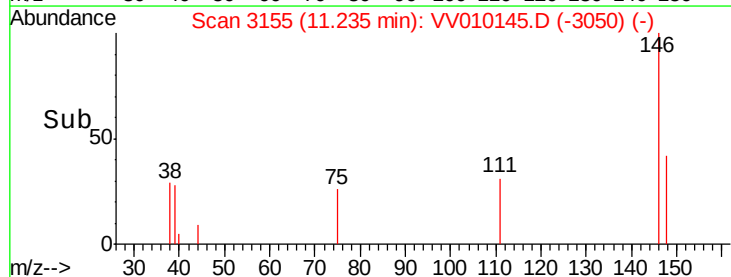
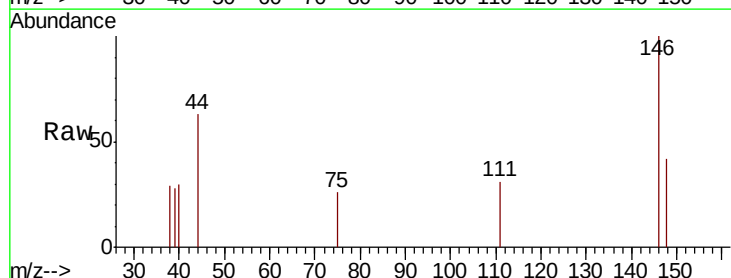
Instrument :
MSVOA_V
ClientSampled :
ETJ31

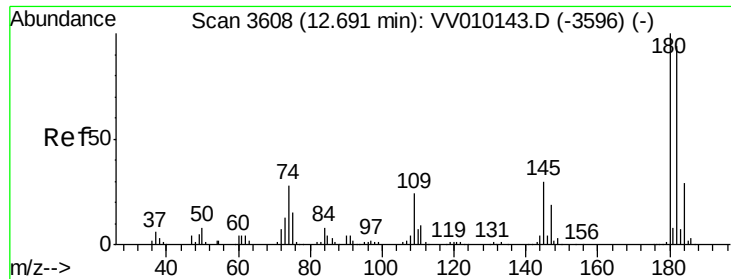
Tgt Ion: 43 Resp: 1020
Ion Ratio Lower Upper
43 100
58 15.0 44.3 66.5#
57 3.2 13.8 20.8#
100 0.0 10.6 15.8#



#63
1,3-Dichlorobenzene
Concen: 0.390 ug/L
RT: 11.23 min Scan# 3155
Delta R.T. 0.01 min
Lab File: VV010145.D
Acq: 06 Apr 2019 11:41

Tgt Ion: 146 Resp: 556
Ion Ratio Lower Upper
146 100
111 30.6 26.8 49.8
148 0.0 42.7 79.3#

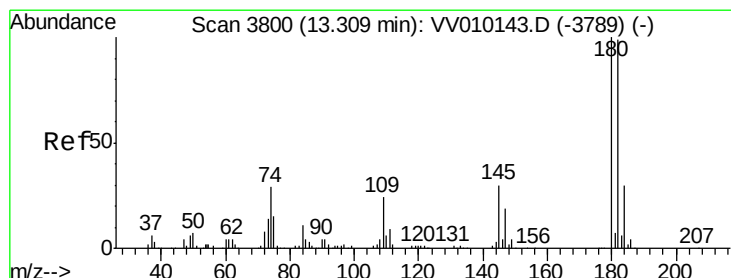
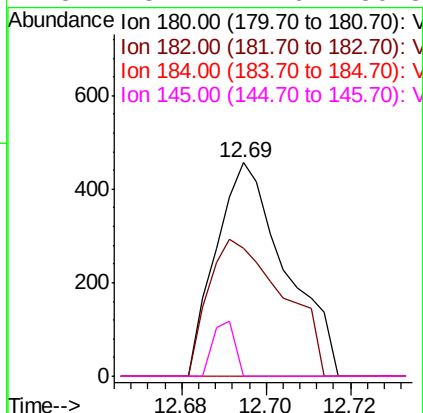
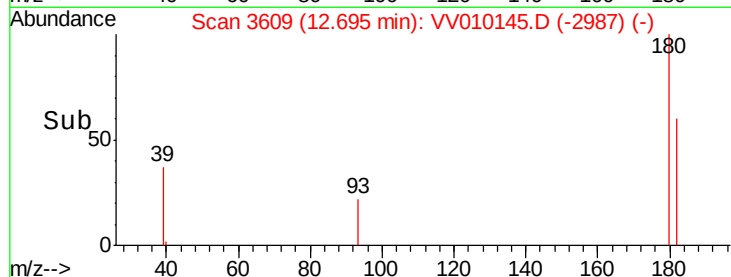
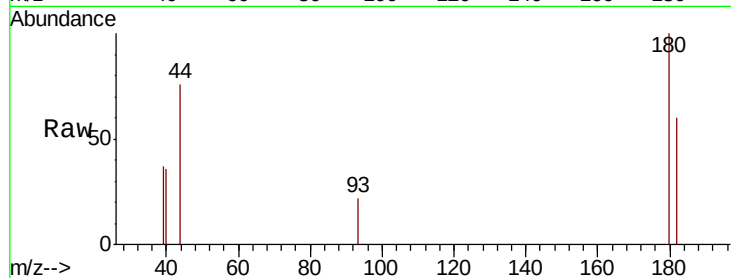




#67
 1,3,5-Trichlorobenzene
 Concen: 0.496 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010145.D
 Acq: 06 Apr 2019 11:41

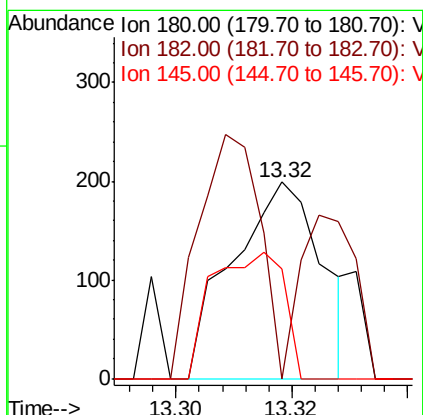
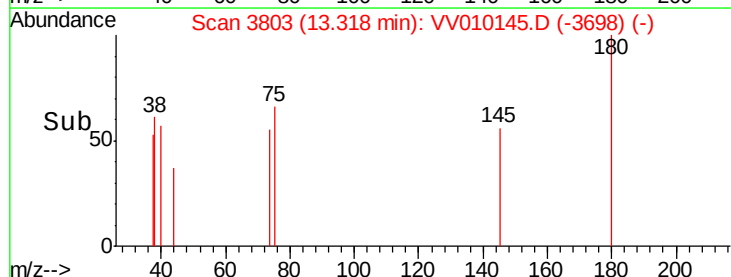
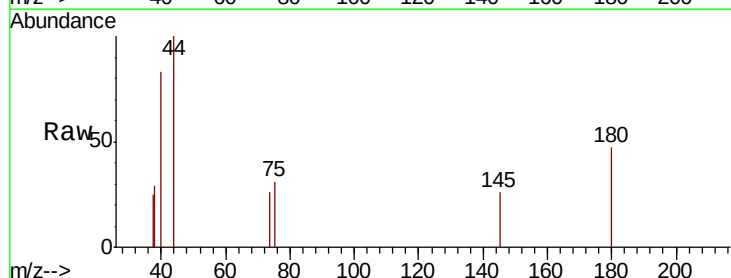
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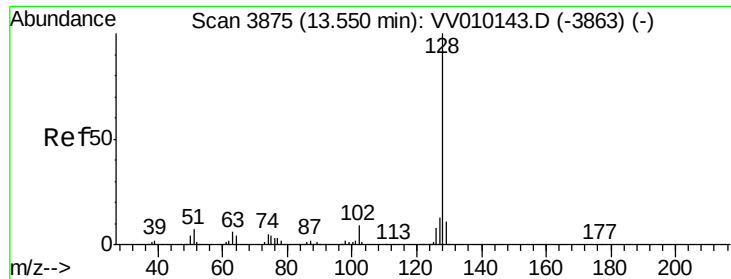
Tgt Ion:180 Resp: 525
 Ion Ratio Lower Upper
 180 100
 182 63.4 77.2 115.8#
 184 0.0 23.8 35.6#
 145 8.2 24.6 36.8#



#68
 1,2,4-trichlorobenzene
 Concen: 0.263 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.01 min
 Lab File: VV010145.D
 Acq: 06 Apr 2019 11:41

Tgt Ion:180 Resp: 213
 Ion Ratio Lower Upper
 180 100
 182 51.2 75.7 113.5#
 145 0.0 24.6 37.0#





#69

Naphthalene

Concen: 0.332 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.01 min

Lab File: VV010145.D

Acq: 06 Apr 2019 11:41

Instrument :

MSVOA_V

ClientSampleId :

ETJ31

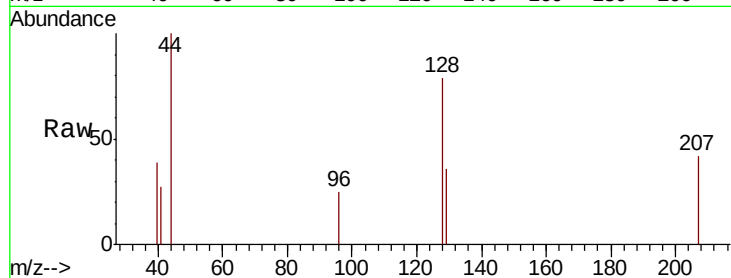
Tgt Ion:128 Resp: 448

Ion Ratio Lower Upper

128 100

129 20.1 9.0 13.4#

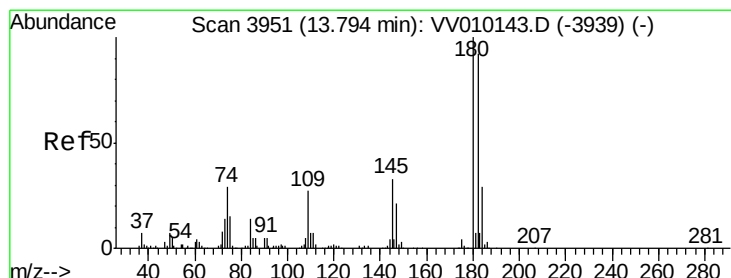
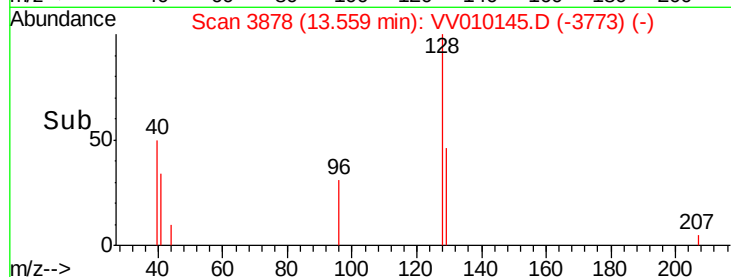
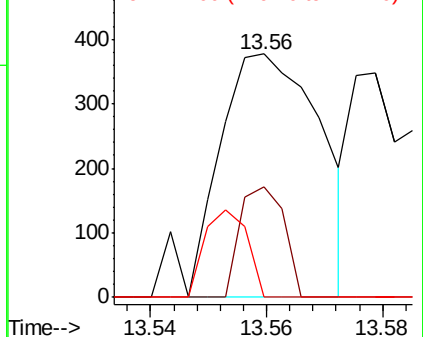
127 0.0 11.0 16.4#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.439 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010145.D

Acq: 06 Apr 2019 11:41

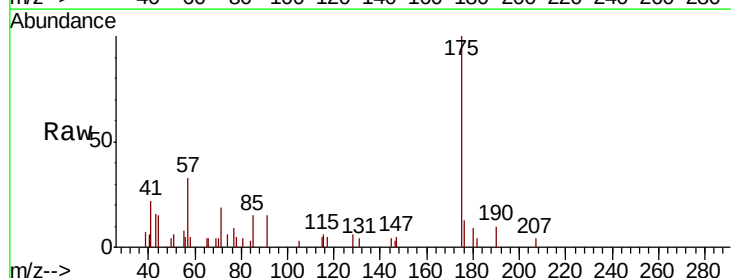
Tgt Ion:180 Resp: 332

Ion Ratio Lower Upper

180 100

182 46.7 74.1 111.1#

145 0.0 25.8 38.8#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

