

Data File : VV009951.D
Acq On : 28 Mar 2019 02:32
Operator : SY/MD
Sample : K2101-14
Misc : 5.65G/10mL/MSVOA_V/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0E5

Quant Time: Mar 28 07:22:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 07:17:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	127072	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	119925	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	46088	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	65914	25.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.24%
7) Chloroethane-d5	1.55	69	74096	26.60	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.40%
10) 1,1-Dichloroethene-d2	2.11	63	110273	15.63	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.52%
20) 2-Butanone-d5	3.92	46	47217	98.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	196.52%#
24) Chloroform-d	4.39	84	75807	23.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.68%
26) 1,2-Dichloroethane-d4	5.07	65	54306	27.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.48%
29) Benzene-d6	5.09	84	171662	27.26	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.04%
33) 1,2-Dichloropropane-d6	6.11	67	51048	27.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.84%
37) Toluene-d8	7.36	98	146647	24.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.40%
38) trans-1,3-Dichloropropene-	7.66	79	16055	21.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.20%
39) 2-Hexanone-d5	8.13	63	30293	88.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	176.16%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	54210	29.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.88%
61) 1,2-Dichlorobenzene-d4	11.68	152	44354	25.28	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.12%

Target Compounds

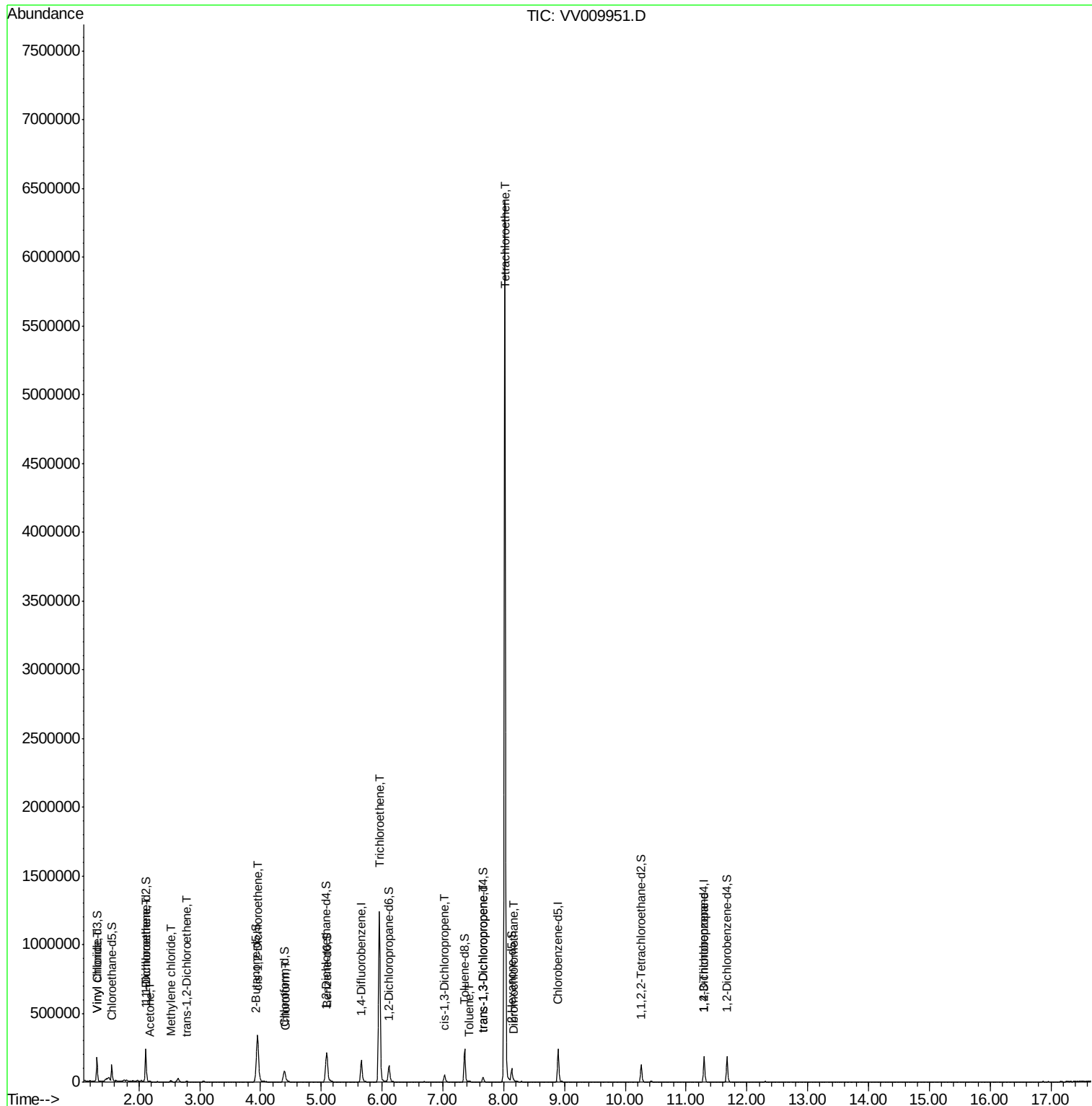
					Qvalue
5) Vinyl chloride	1.32	62	27814	9.409 ug/L	91
12) 1,1-Dichloroethene	2.13	96	5789	1.862 ug/L #	1
13) Acetone	2.19	43	1984	2.727 ug/L	96
16) Methylene chloride	2.53	84	3138	1.500 ug/L	86
18) trans-1,2-Dichloroethene	2.79	96	1344	0.807 ug/L	85
22) cis-1,2-Dichloroethene	3.95	96	178022	96.833 ug/L	92
25) Chloroform	4.42	83	10991	3.265 ug/L	91
35) Trichloroethene	5.96	95	384720	221.474 ug/L	98
42) cis-1,3-Dichloropropene	7.03	75	1696	0.707 ug/L #	49
44) Toluene	7.43	91	3008	0.414 ug/L	97
45) trans-1,3-Dichloropropene	7.67	75	1097	0.559 ug/L #	38
47) Tetrachloroethene	8.02	164	1147355	837.027 ug/L	95
50) Dibromochloromethane	8.16	129	772	0.547 ug/L #	8
59) 1,2,3-Trichloropropane	11.30	75	6719	5.075 ug/L #	84

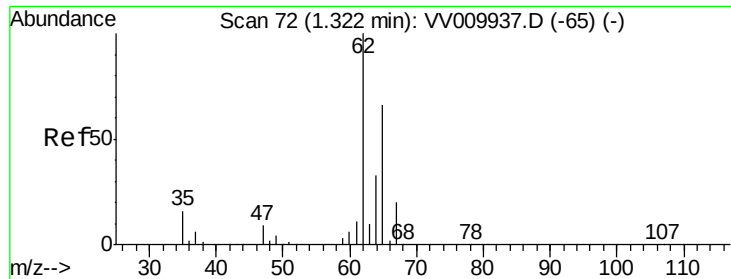
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV009951.D
Acq On : 28 Mar 2019 02:32
Operator : SY/MD
Sample : K2101-14
Misc : 5.65G/10mL/MSVOA_V/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0E5

Quant Time: Mar 28 07:22:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 07:17:22 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 9.409 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VV009951.D

Acq: 28 Mar 2019 02:32

Instrument :

MSVOA_V

ClientSampleId :

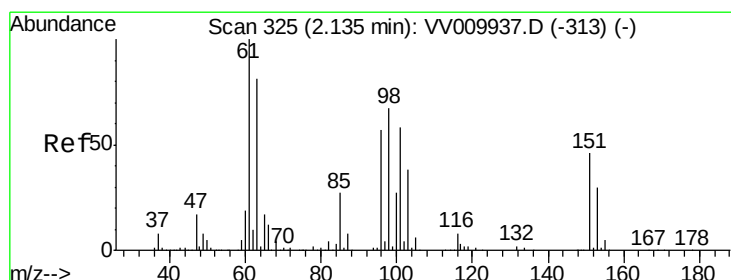
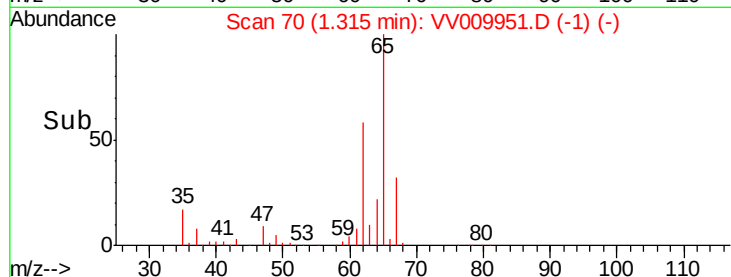
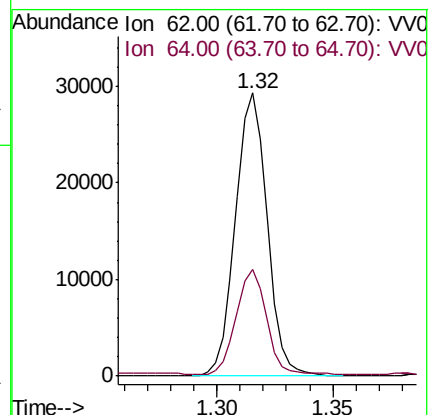
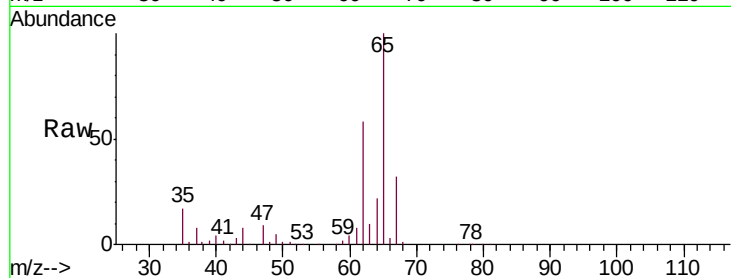
BF0E5

Tgt Ion: 62 Resp: 27814

Ion Ratio Lower Upper

62 100

64 37.7 22.8 42.4



#12

1,1-Dichloroethene

Concen: 1.862 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009951.D

Acq: 28 Mar 2019 02:32

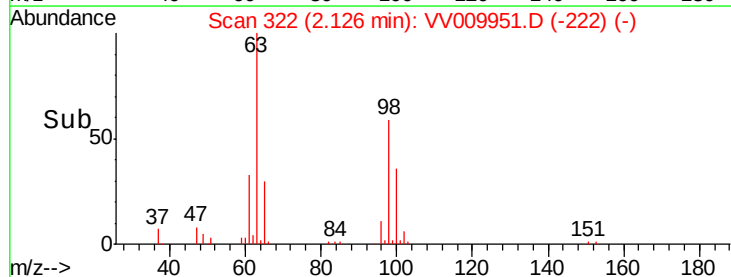
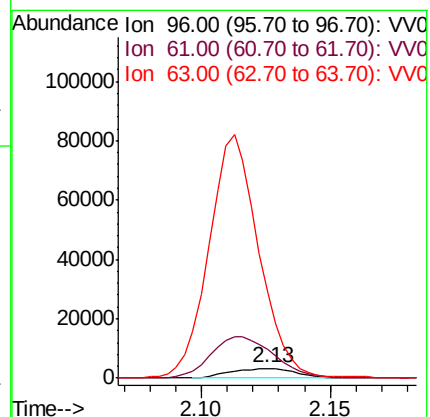
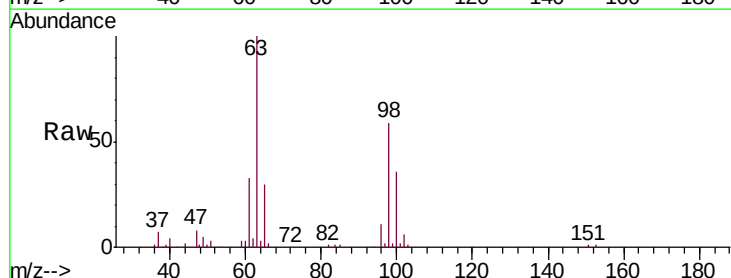
Tgt Ion: 96 Resp: 5789

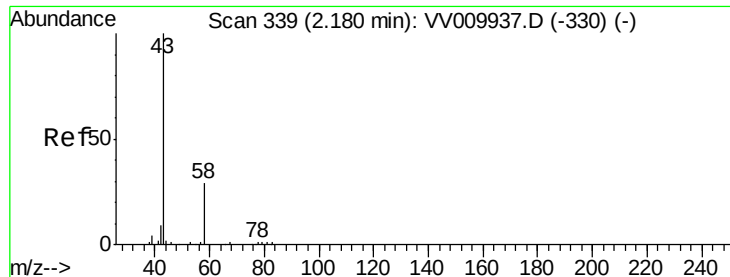
Ion Ratio Lower Upper

96 100

61 295.4 124.3 230.8#

63 884.5 88.2 163.8#





#13

Acetone

Concen: 2.727 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.01 min

Lab File: VV009951.D

Acq: 28 Mar 2019 02:32

Instrument :

MSVOA_V

ClientSampled :

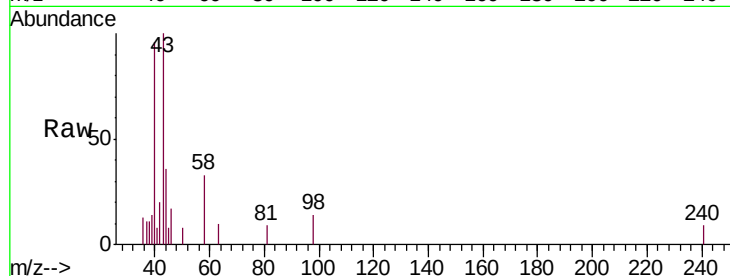
BF0E5

Tgt Ion: 43 Resp: 1984

Ion Ratio Lower Upper

43 100

58 31.7 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV009937.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV009937.D (-330) (-)

2.19

1500

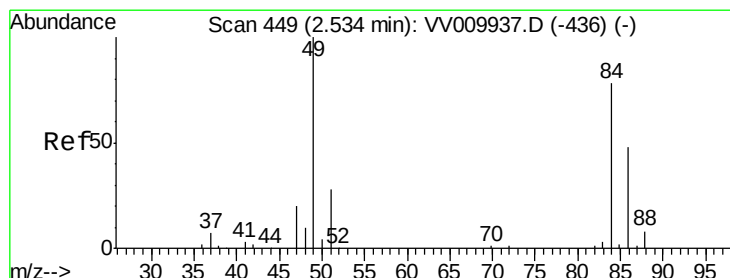
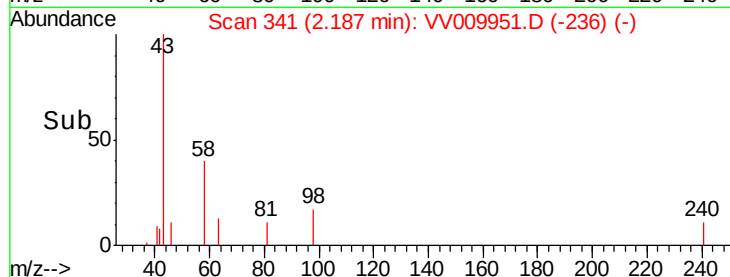
1000

500

0

2.14 2.16 2.18 2.20 2.22

Time-->



#16

Methylene chloride

Concen: 1.500 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV009951.D

Acq: 28 Mar 2019 02:32

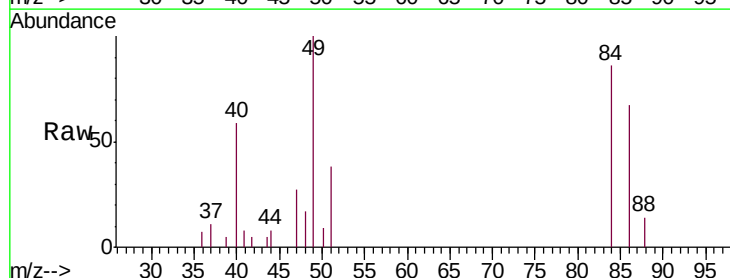
Tgt Ion: 84 Resp: 3138

Ion Ratio Lower Upper

84 100

49 116.5 90.4 167.8

86 78.0 44.0 81.6



Abundance Ion 84.00 (83.70 to 84.70): VV009937.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV009937.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV009937.D (-436) (-)

2.53

3000

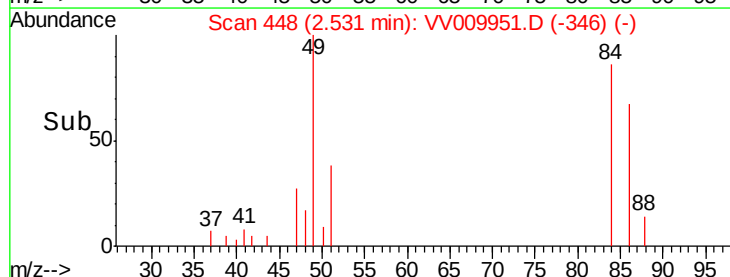
2000

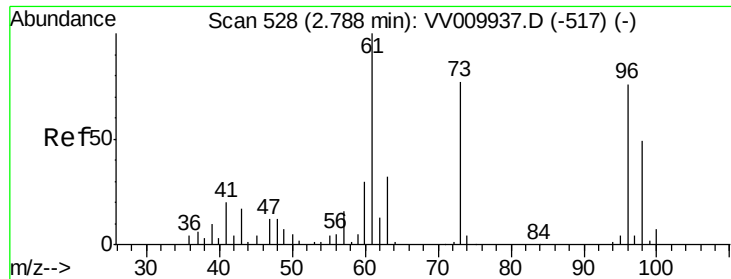
1000

0

2.50 2.52 2.54 2.56

Time-->

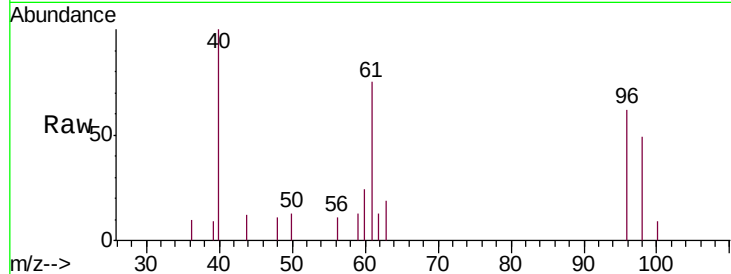




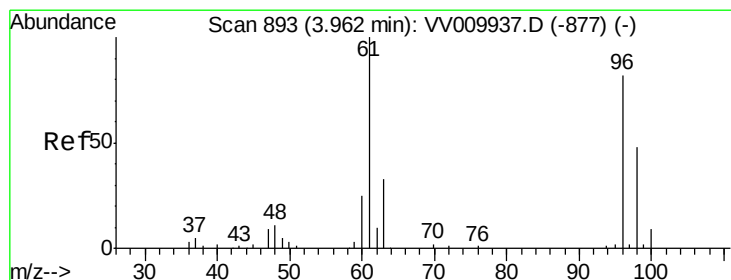
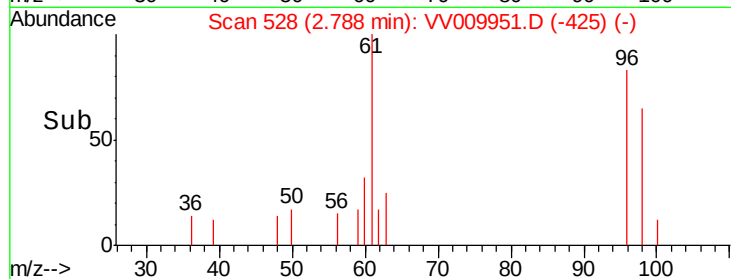
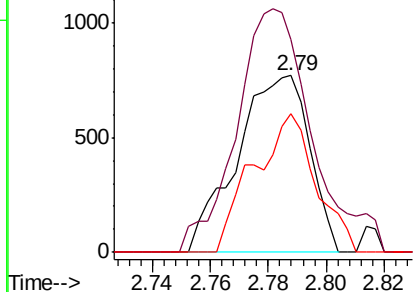
#18
 trans-1,2-Dichloroethene
 Concen: 0.807 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VV009951.D
 Acq: 28 Mar 2019 02:32

Instrument :
 MSVOA_V
 ClientSampled :
 BF0E5

Tgt Ion: 96 Resp: 1344
 Ion Ratio Lower Upper
 96 100
 61 120.1 96.8 179.8
 98 78.3 46.1 85.7

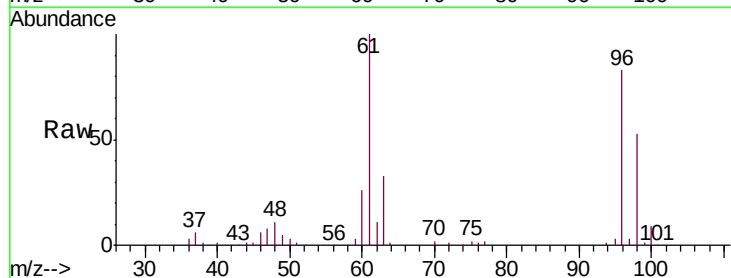


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

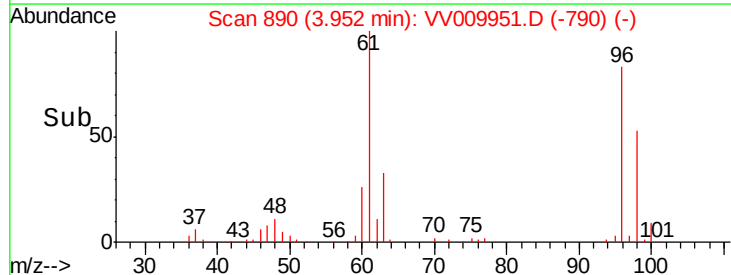
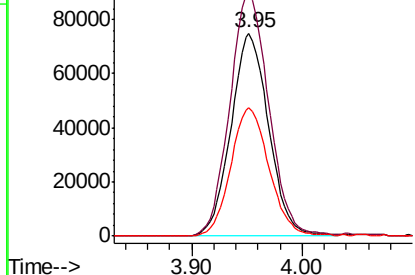


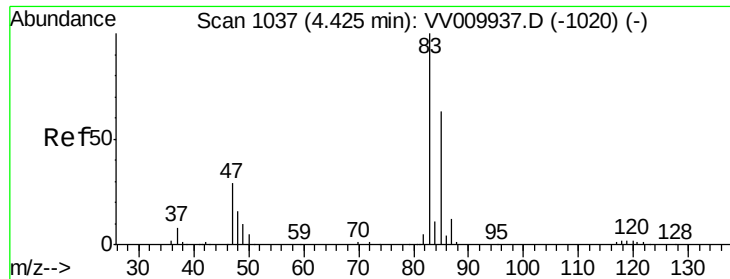
#22
 cis-1,2-Dichloroethene
 Concen: 96.833 ug/L
 RT: 3.95 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: VV009951.D
 Acq: 28 Mar 2019 02:32

Tgt Ion: 96 Resp: 178022
 Ion Ratio Lower Upper
 96 100
 61 120.0 91.4 169.8
 98 63.2 48.0 89.2



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

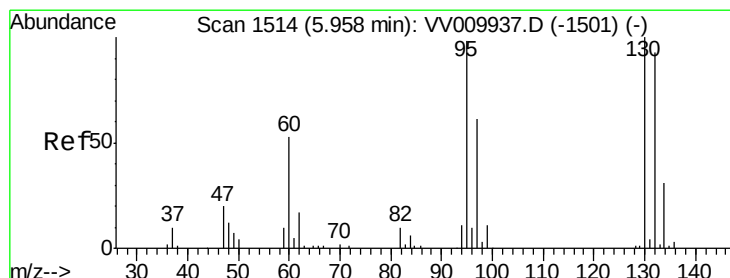
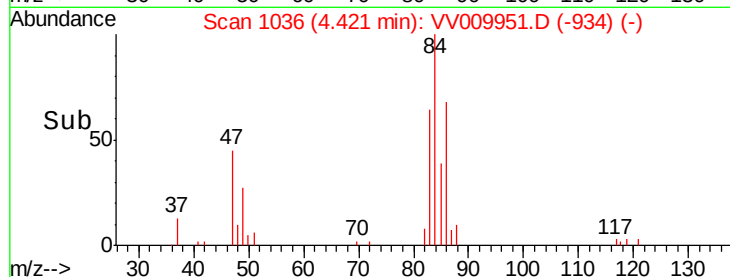
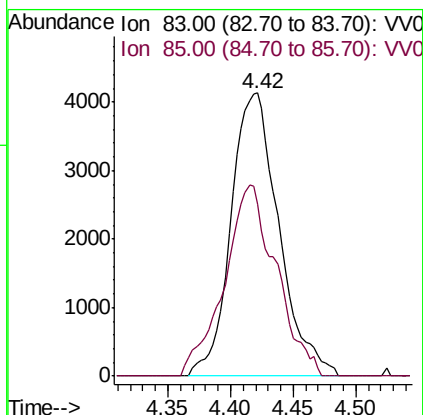
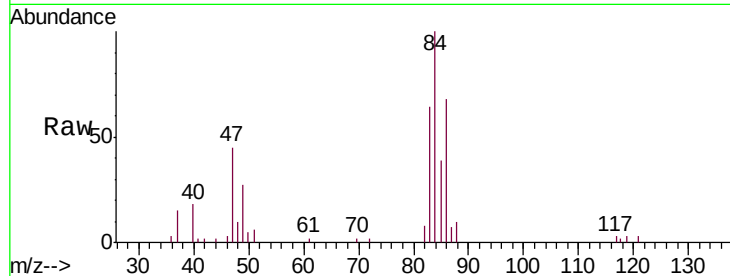




#25
Chloroform
Concen: 3.265 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV009951.D
Acq: 28 Mar 2019 02:32

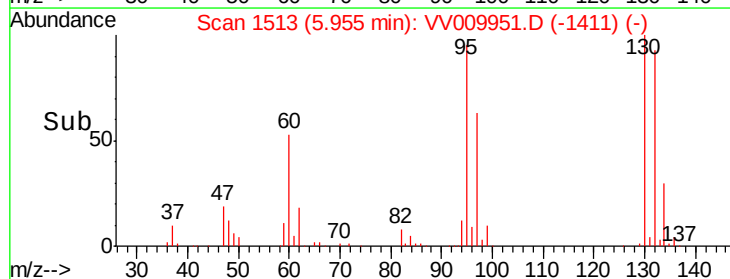
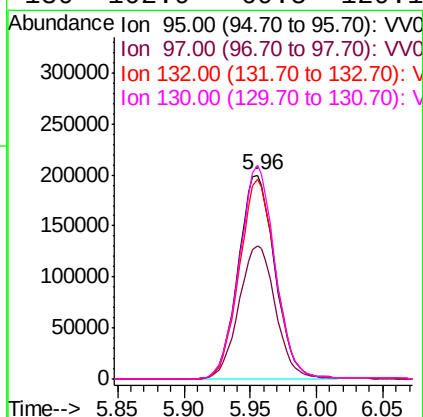
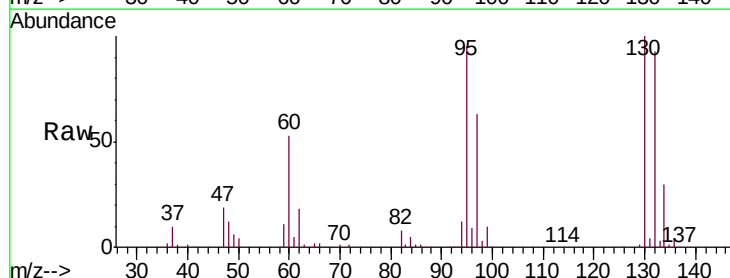
Instrument :
MSVOA_V
ClientSampleId :
BF0E5

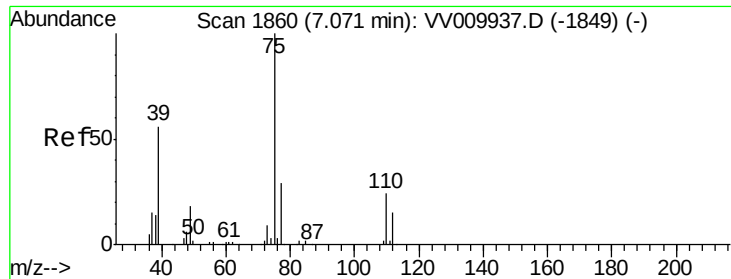
Tgt Ion: 83 Resp: 10991
Ion Ratio Lower Upper
83 100
85 72.7 46.1 85.7



#35
Trichloroethene
Concen: 221.474 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VV009951.D
Acq: 28 Mar 2019 02:32

Tgt Ion: 95 Resp: 384720
Ion Ratio Lower Upper
95 100
97 65.7 46.3 85.9
132 97.7 69.3 128.7
130 102.9 69.5 129.1





#42

cis-1,3-Dichloropropene

Concen: 0.707 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.05 min

Lab File: VV009951.D

Acq: 28 Mar 2019 02:32

Instrument :

MSVOA_V

ClientSampled :

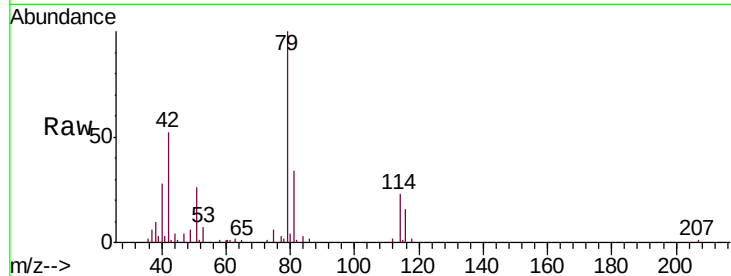
BF0E5

Tgt Ion: 75 Resp: 1696

Ion Ratio Lower Upper

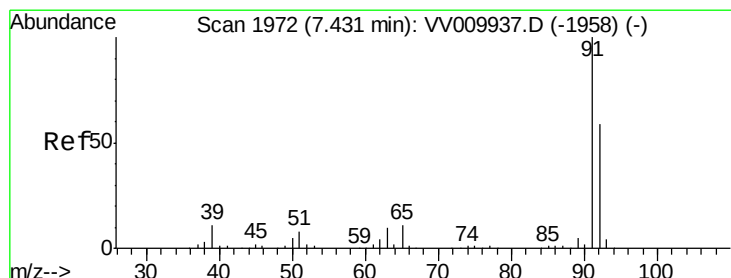
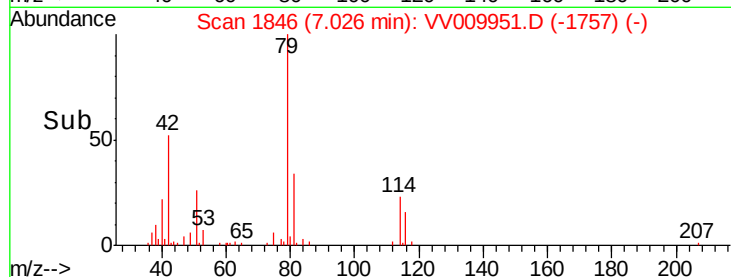
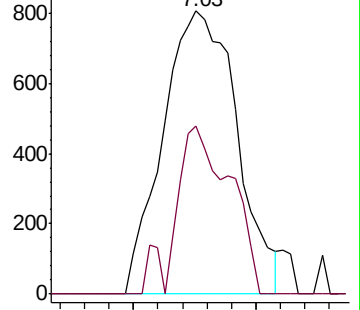
75 100

77 59.5 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#44

Toluene

Concen: 0.414 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009951.D

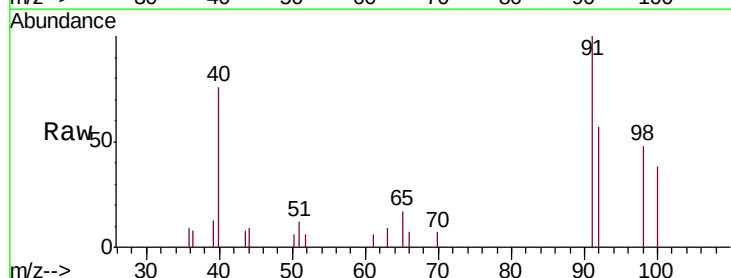
Acq: 28 Mar 2019 02:32

Tgt Ion: 91 Resp: 3008

Ion Ratio Lower Upper

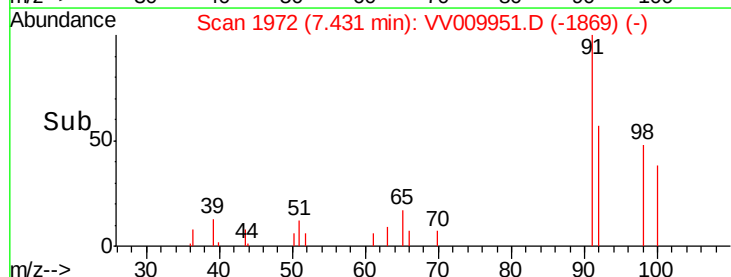
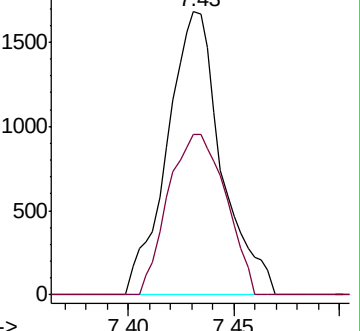
91 100

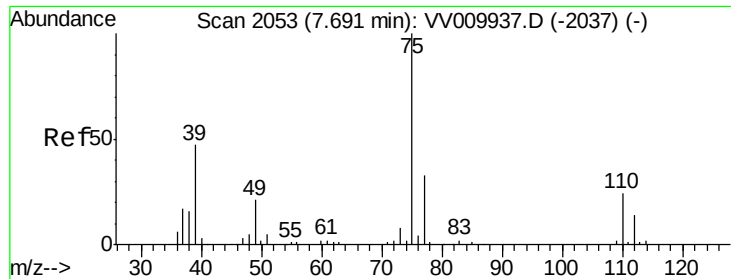
92 56.7 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0





#45

trans-1,3-Dichloropropene

Concen: 0.559 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009951.D

Acq: 28 Mar 2019 02:32

Instrument :

MSVOA_V

ClientSampleId :

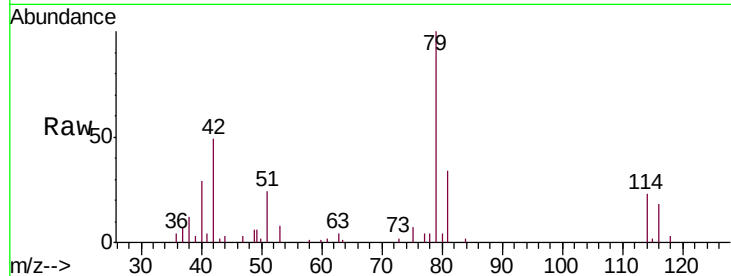
BF0E5

Tgt Ion: 75 Resp: 1097

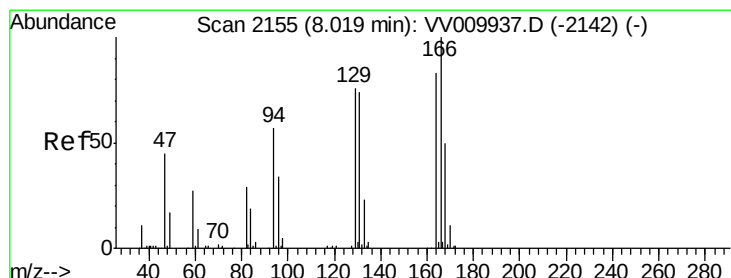
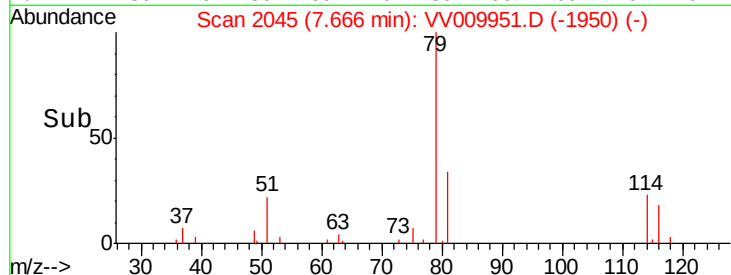
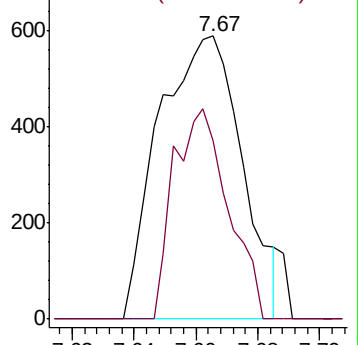
Ion Ratio Lower Upper

75 100

77 62.8 20.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VV009937.D (-2037) (-)



#47

Tetrachloroethene

Concen: 837.027 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV009951.D

Acq: 28 Mar 2019 02:32

Tgt Ion: 164 Resp: 1147355

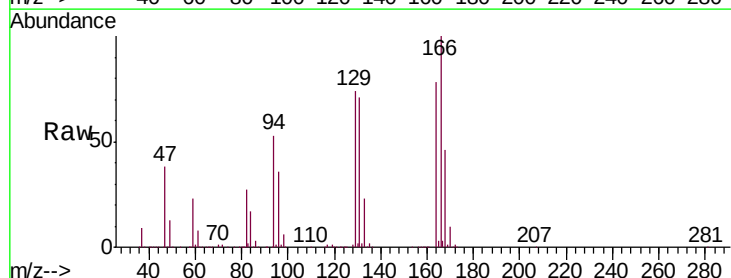
Ion Ratio Lower Upper

164 100

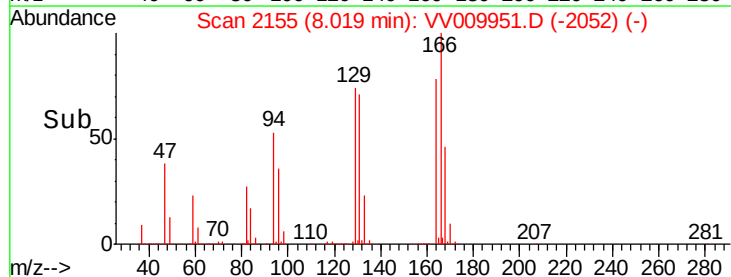
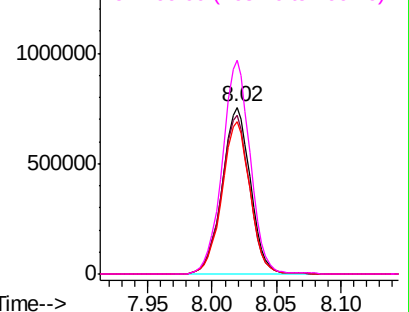
129 95.0 64.9 120.5

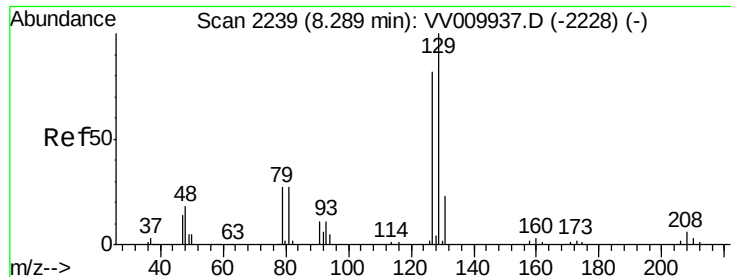
131 91.3 62.0 115.2

166 128.1 82.9 153.9



Abundance Ion 164.00 (163.70 to 164.70): VV009937.D (-2142) (-)





#50

Dibromochloromethane

Concen: 0.547 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. -0.13 min

Lab File: VV009951.D

Acq: 28 Mar 2019 02:32

Instrument :

MSVOA_V

ClientSampled :

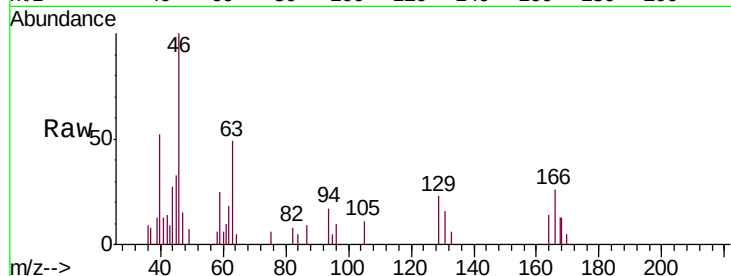
BF0E5

Tgt Ion:129 Resp: 772

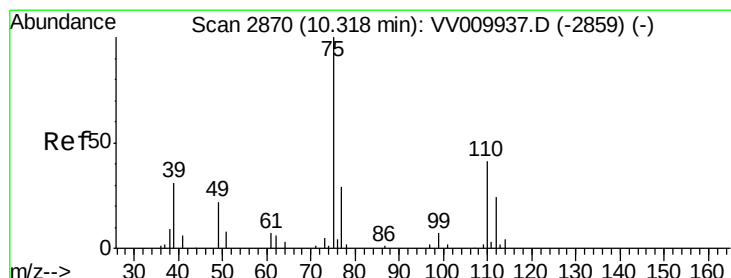
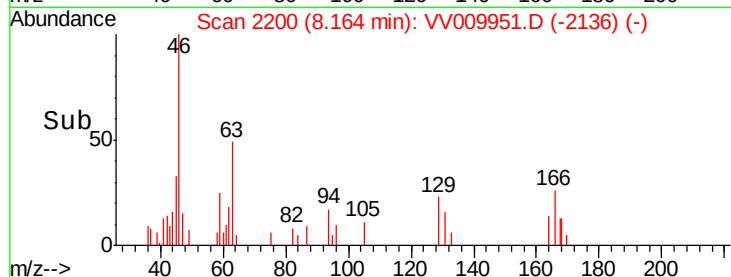
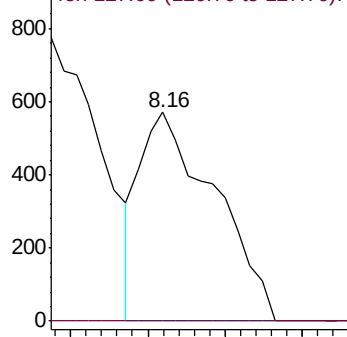
Ion Ratio Lower Upper

129 100

127 0.0 57.9 107.5#



Abundance Ion 129.00 (128.70 to 129.70): V



#59

1,2,3-Trichloropropane

Concen: 5.075 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009951.D

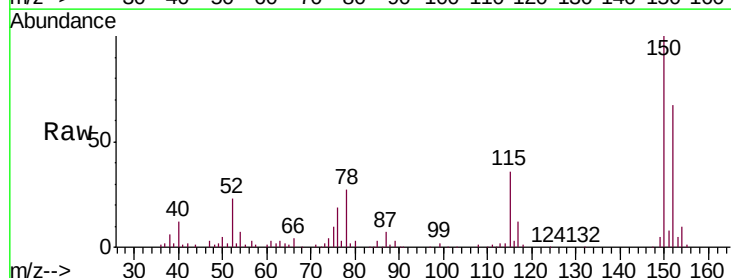
Acq: 28 Mar 2019 02:32

Tgt Ion: 75 Resp: 6719

Ion Ratio Lower Upper

75 100

77 41.9 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VV0

