

Data File : VV009475.D
Acq On : 04 Mar 2019 16:51
Operator : SY/MD
Sample : K1660-04RE
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CWJY4RE

Quant Time: Mar 05 04:12:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR030419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Mar 05 04:03:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	92834	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	89775	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	41572	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29429	4.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	1.59	69	26449	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.13	63	52737	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	3.96	46	53533	48.40	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.80%
24) Chloroform-d	4.41	84	50194	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.09	65	25857	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.10	84	108131	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.12	67	31879	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.36	98	104999	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	7.67	79	11510	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.14	63	44932	48.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.54%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	22548	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	35932	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

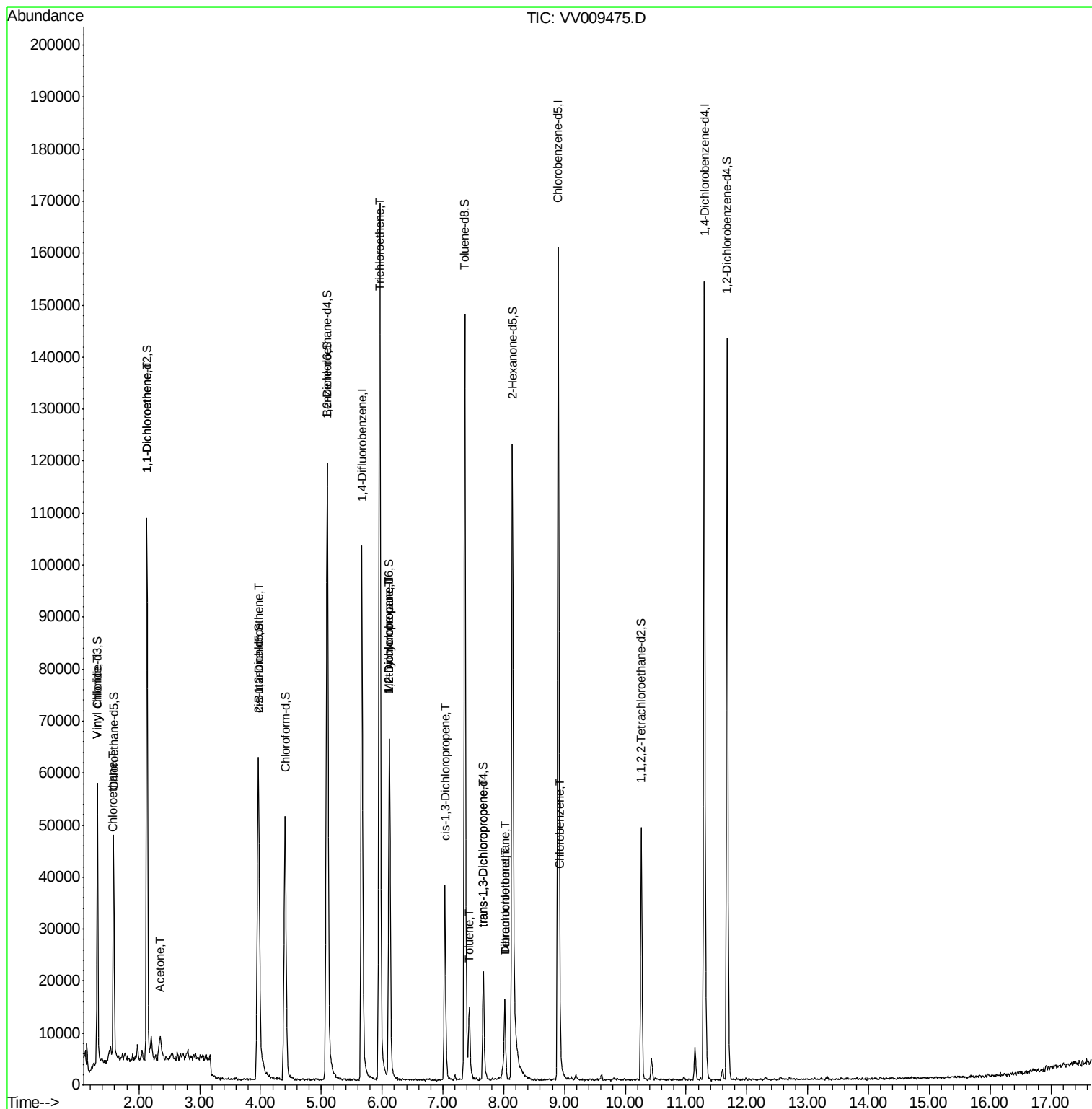
						Qvalue
5) Vinyl chloride	1.32	62	594	0.083	ug/L #	1
8) Chloroethane	1.57	64	404	0.084	ug/L #	43
12) 1,1-Dichloroethene	2.14	96	686	0.101	ug/L #	1
13) Acetone	2.35	43	1782	1.840	ug/L	76
22) cis-1,2-Dichloroethene	3.97	96	18138	2.751	ug/L	95
34) Trichloroethene	5.96	95	59554	8.648	ug/L	98
35) Methylcyclohexane	6.12	83	8244	0.750	ug/L #	20
37) 1,2-Dichloropropane	6.12	63	3607	0.609	ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	1080	0.116	ug/L #	72
42) Toluene	7.43	91	9559	0.343	ug/L	91
44) trans-1,3-Dichloropropene	7.66	75	654	0.089	ug/L	86
47) Tetrachloroethene	8.02	164	3295	0.622	ug/L	88
49) Dibromochloromethane	8.02	129	2982	0.550	ug/L #	12
51) Chlorobenzene	8.93	112	3462	0.188	ug/L	97

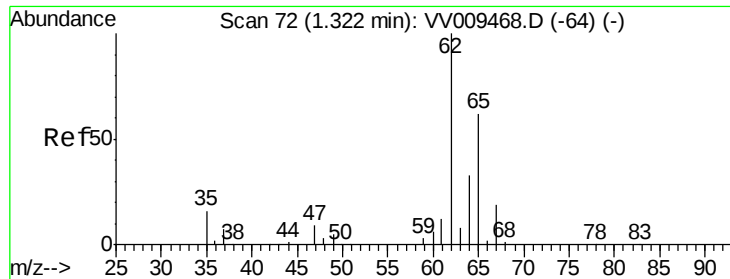
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.083 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009475.D

Acq: 04 Mar 2019 16:51

Instrument :

MSVOA_V

ClientSampleId :

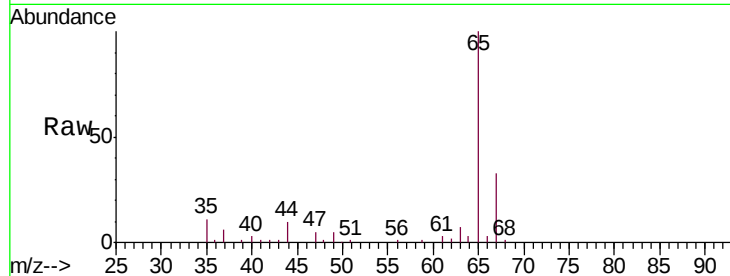
CWJY4RE

Tgt Ion: 62 Resp: 594

Ion Ratio Lower Upper

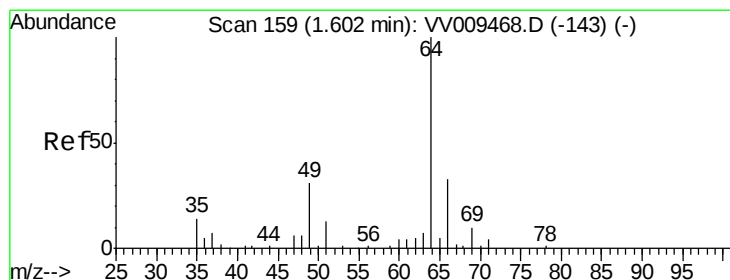
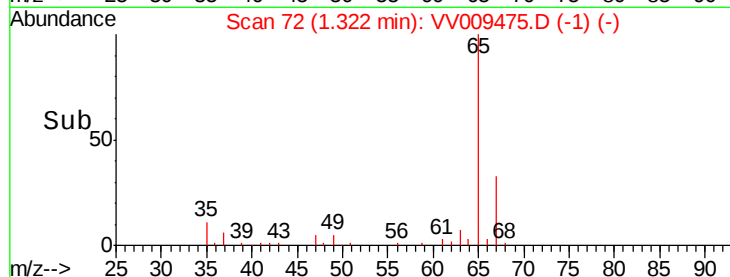
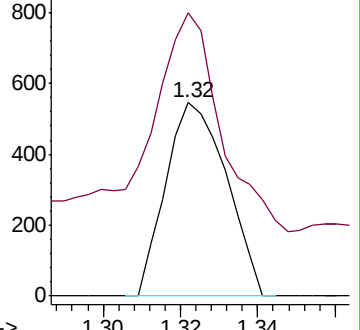
62 100

64 146.4 22.7 42.3#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#8

Chloroethane

Concen: 0.084 ug/L

RT: 1.57 min Scan# 149

Delta R.T. -0.03 min

Lab File: VV009475.D

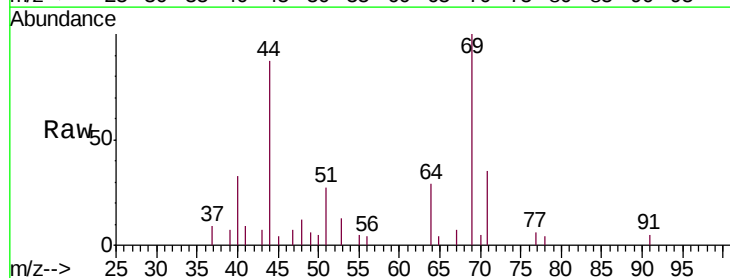
Acq: 04 Mar 2019 16:51

Tgt Ion: 64 Resp: 404

Ion Ratio Lower Upper

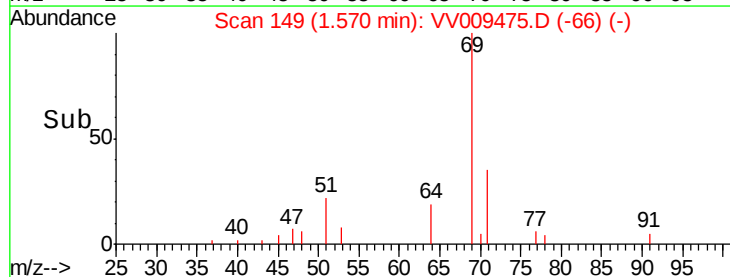
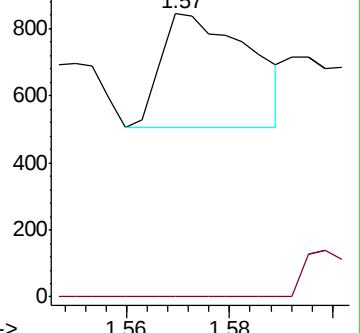
64 100

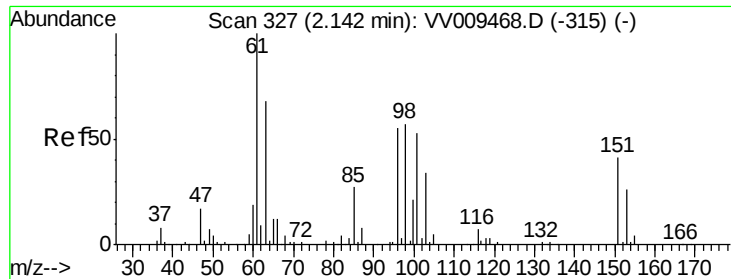
66 0.0 22.4 41.6#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

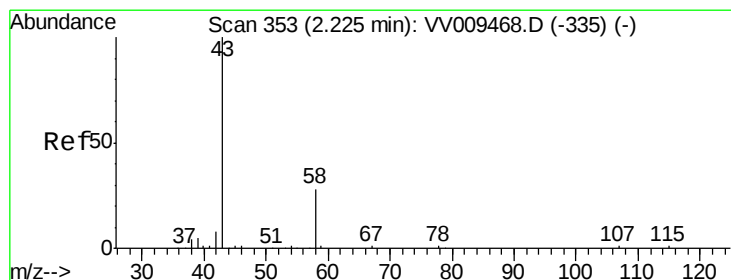
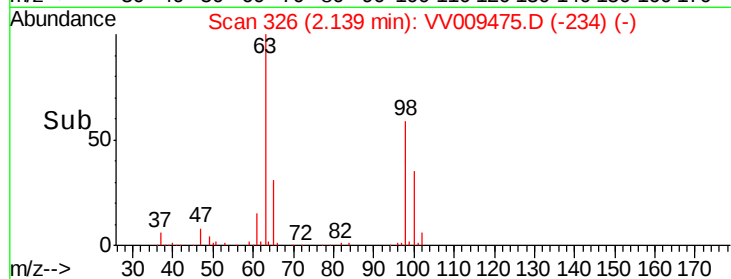
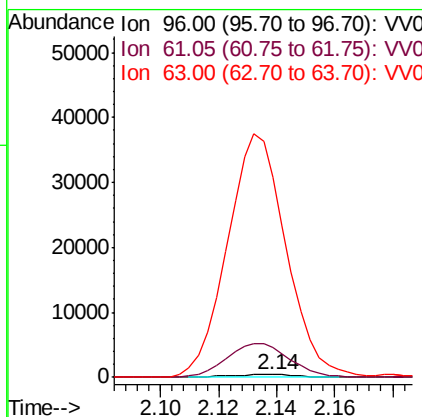
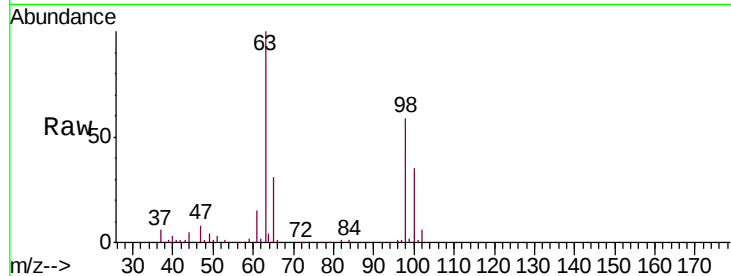




#12
 1,1-Dichloroethene
 Concen: 0.101 ug/L
 RT: 2.14 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VV009475.D
 Acq: 04 Mar 2019 16:51

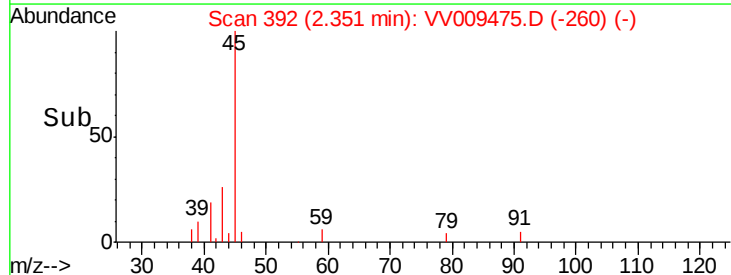
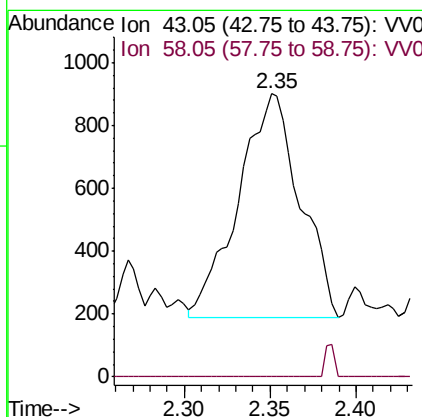
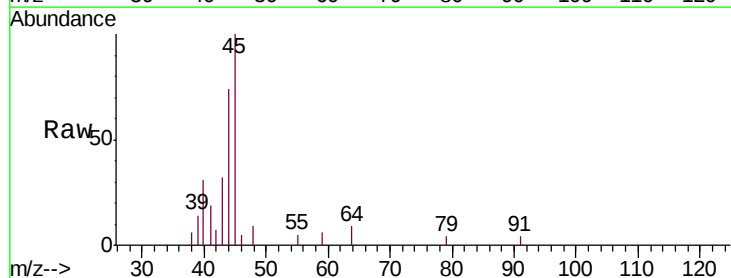
Instrument :
 MSVOA_V
 ClientSampleId :
 CWJY4RE

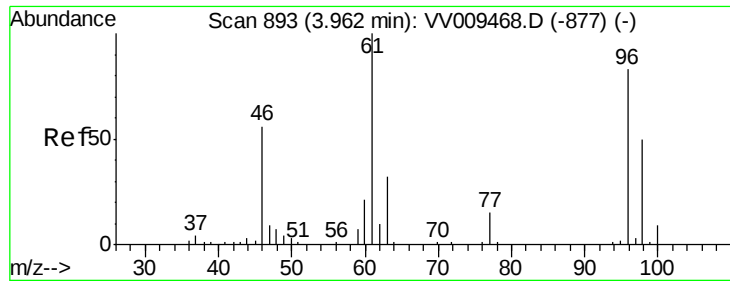
Tgt Ion: 96 Resp: 686
 Ion Ratio Lower Upper
 96 100
 61 1036.0 127.1 236.0#
 63 6952.0 88.8 164.8#



#13
 Acetone
 Concen: 1.840 ug/L
 RT: 2.35 min Scan# 392
 Delta R.T. 0.13 min
 Lab File: VV009475.D
 Acq: 04 Mar 2019 16:51

Tgt Ion: 43 Resp: 1782
 Ion Ratio Lower Upper
 43 100
 58 2.2 0.0 23.0



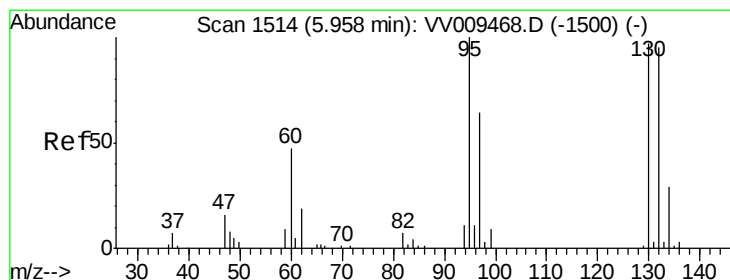
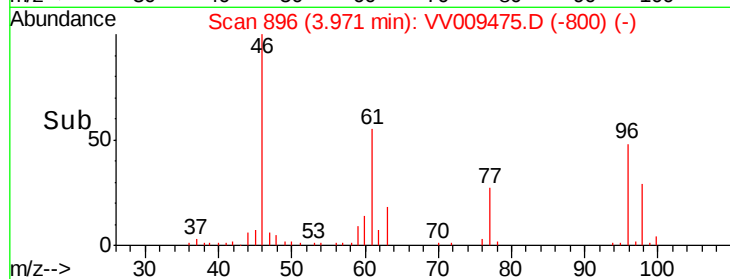
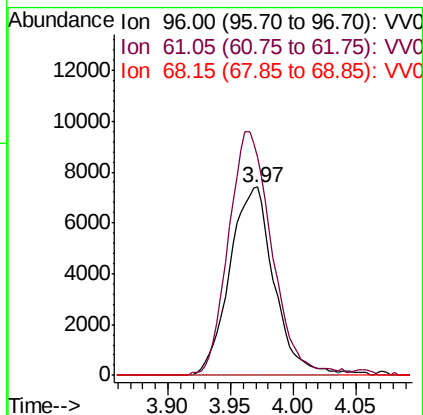
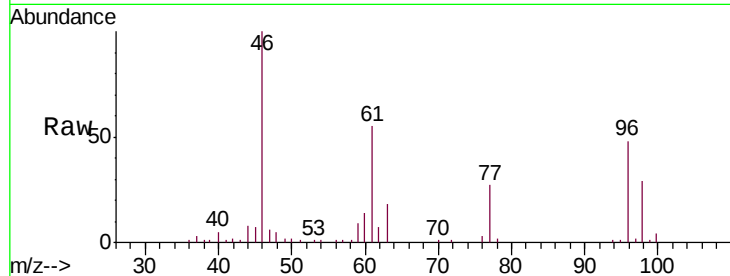


#22

cis-1,2-Dichloroethene
Concen: 2.751 ug/L
RT: 3.97 min Scan# 896
Delta R.T. 0.01 min
Lab File: VV009475.D
Acq: 04 Mar 2019 16:51

Instrument :
MSVOA_V
ClientSampleId :
CWJY4RE

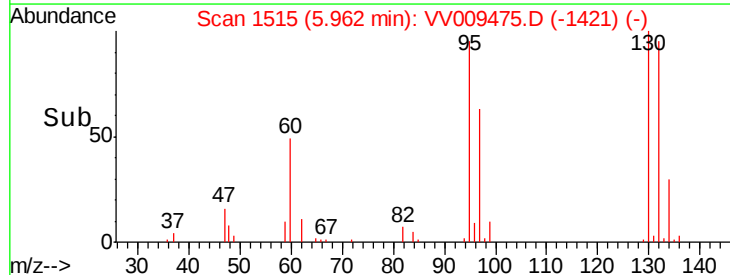
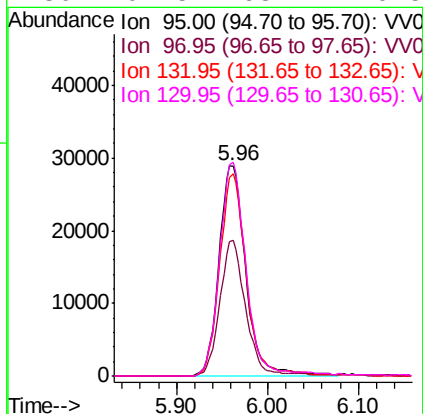
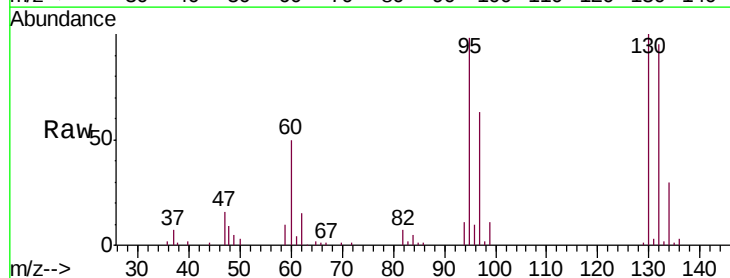
Tgt Ion: 96 Resp: 18138
Ion Ratio Lower Upper
96 100
61 115.7 84.8 157.4
68 0.0 0.0 0.0

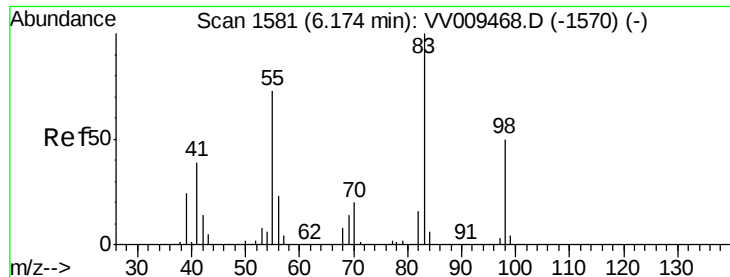


#34

Trichloroethene
Concen: 8.648 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VV009475.D
Acq: 04 Mar 2019 16:51

Tgt Ion: 95 Resp: 59554
Ion Ratio Lower Upper
95 100
97 64.3 44.4 82.5
132 96.0 66.4 123.4
130 101.5 68.1 126.5





#35

Methylcyclohexane

Concen: 0.750 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV009475.D

Acq: 04 Mar 2019 16:51

Instrument :

MSVOA_V

ClientSampleId :

CWJY4RE

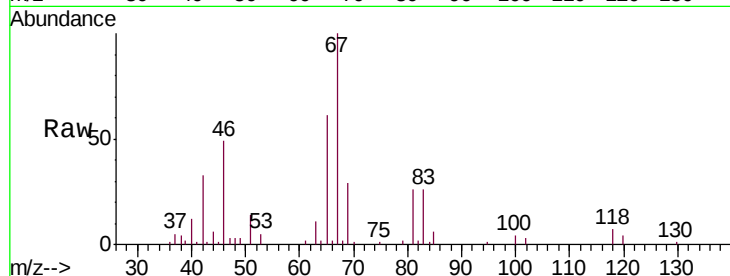
Tgt Ion: 83 Resp: 8244

Ion Ratio Lower Upper

83 100

55 0.2 57.4 86.2#

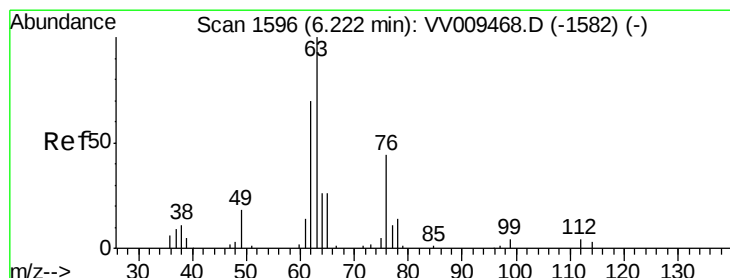
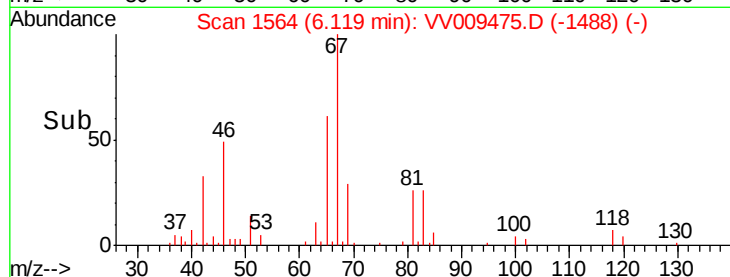
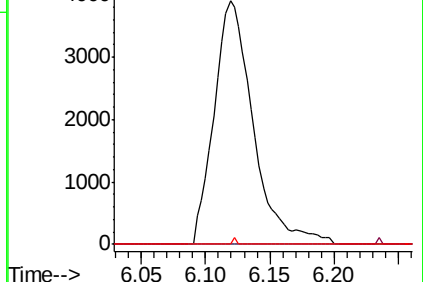
98 0.6 38.9 58.3#



Abundance Ion 83.15 (82.85 to 83.85): VV009468.D (-1570) (-)

Ion 55.10 (54.80 to 55.80): VV009468.D (-1570) (-)

Ion 98.15 (97.85 to 98.85): VV009468.D (-1570) (-)



#37

1,2-Dichloropropane

Concen: 0.609 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV009475.D

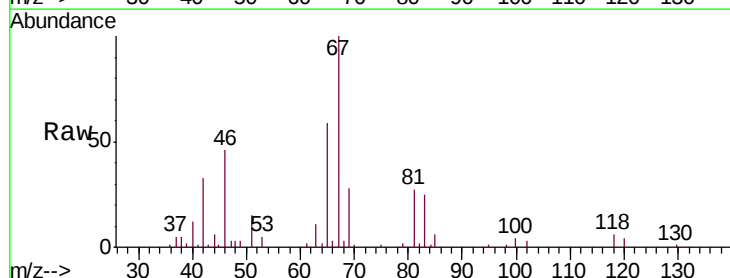
Acq: 04 Mar 2019 16:51

Tgt Ion: 63 Resp: 3607

Ion Ratio Lower Upper

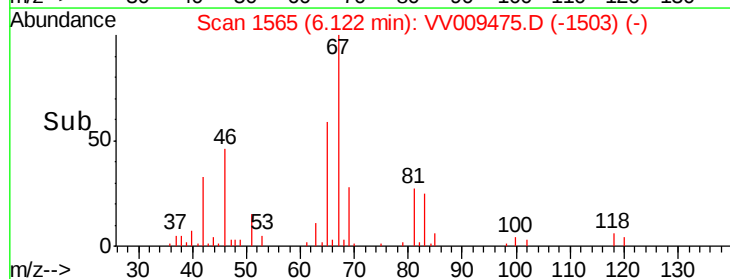
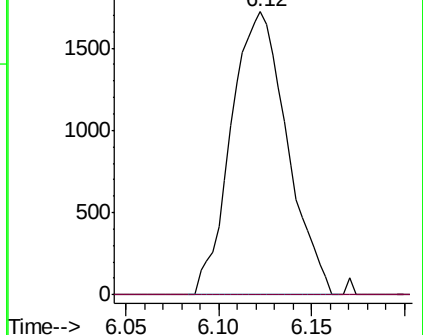
63 100

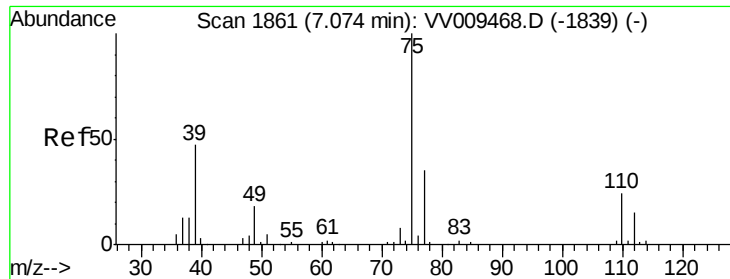
112 0.0 3.3 4.9#



Abundance Ion 63.10 (62.80 to 63.80): VV009468.D (-1582) (-)

Ion 112.10 (111.80 to 112.80): VV009468.D (-1582) (-)

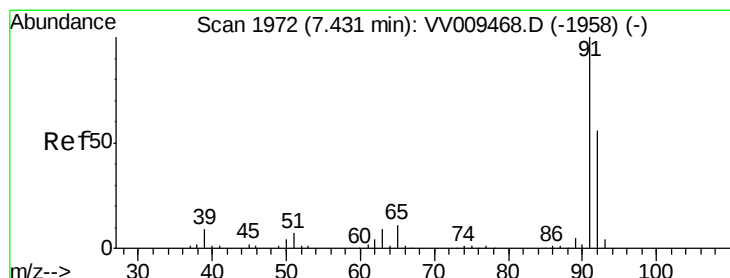
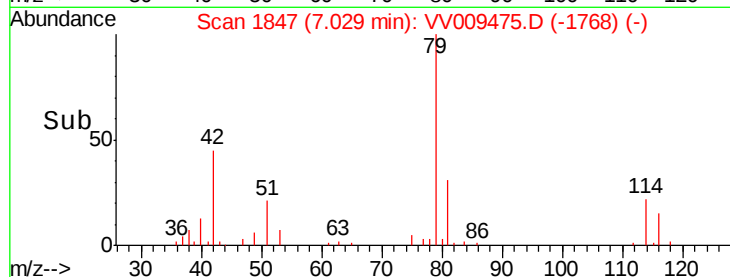
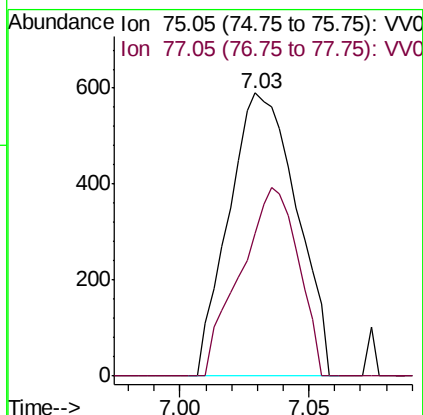
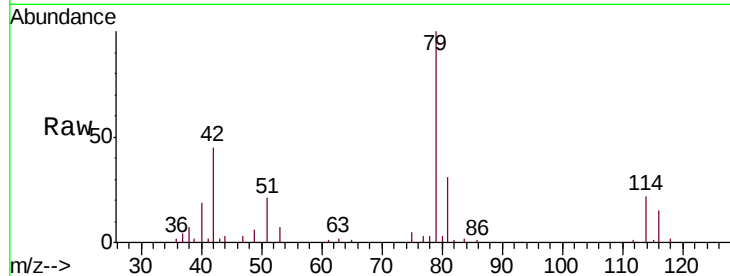




#39
 cis-1,3-Dichloropropene
 Concen: 0.116 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009475.D
 Acq: 04 Mar 2019 16:51

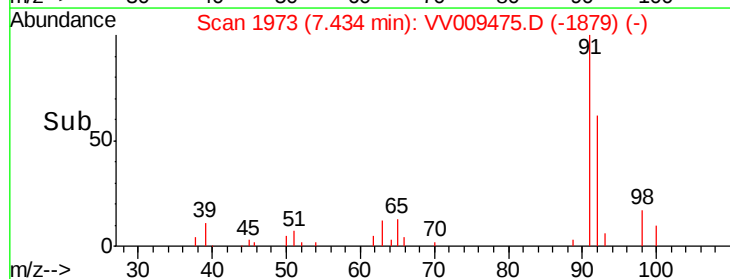
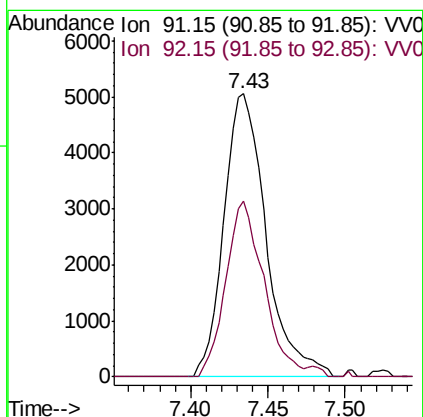
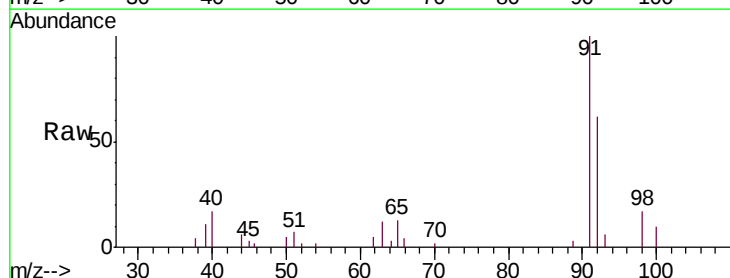
Instrument :
 MSVOA_V
 ClientSampleId :
 CWJY4RE

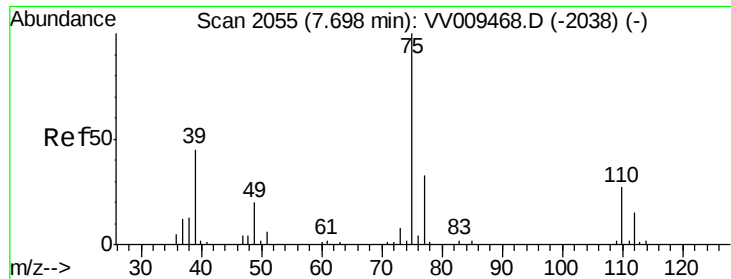
Tgt Ion: 75 Resp: 1080
 Ion Ratio Lower Upper
 75 100
 77 50.5 24.1 44.8#



#42
 Toluene
 Concen: 0.343 ug/L
 RT: 7.43 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VV009475.D
 Acq: 04 Mar 2019 16:51

Tgt Ion: 91 Resp: 9559
 Ion Ratio Lower Upper
 91 100
 92 62.2 39.1 72.5





#44

trans-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.04 min

Lab File: VV009475.D

Acq: 04 Mar 2019 16:51

Instrument :

MSVOA_V

ClientSampleId :

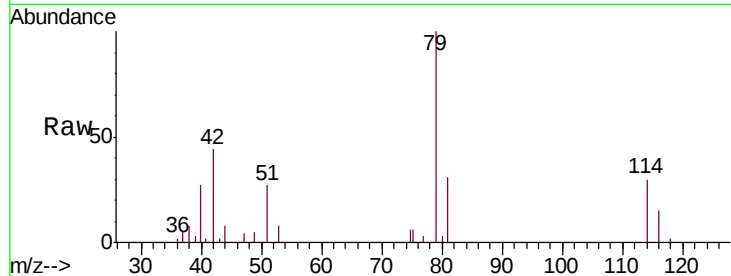
CWJY4RE

Tgt Ion: 75 Resp: 654

Ion Ratio Lower Upper

75 100

77 24.5 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VV009468.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV009468.D (-2038) (-)

7.66

600

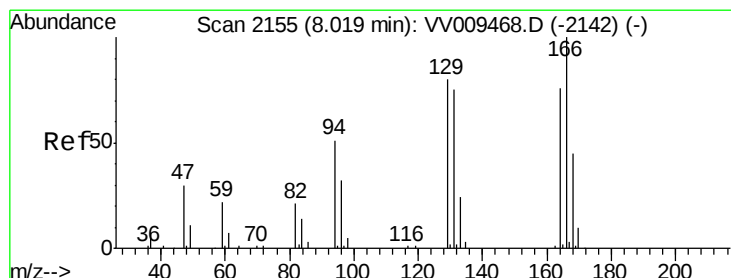
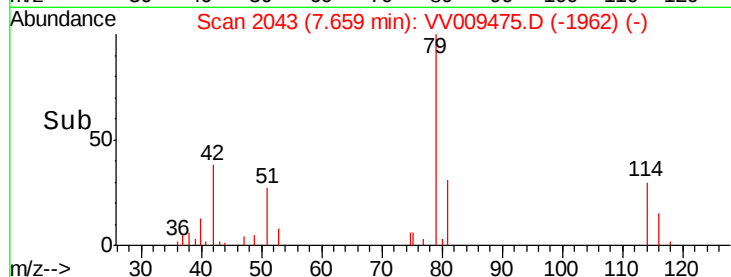
400

200

0

7.64 7.66 7.68 7.70

Time-->



#47

Tetrachloroethene

Concen: 0.622 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV009475.D

Acq: 04 Mar 2019 16:51

Tgt Ion: 164 Resp: 3295

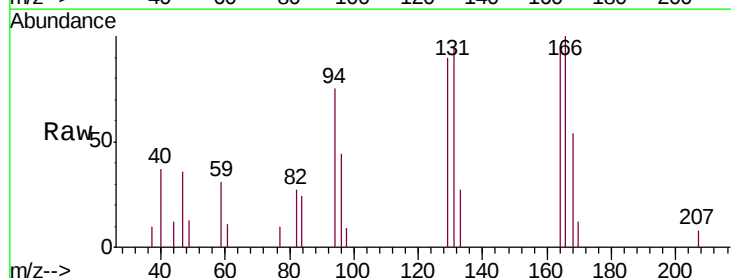
Ion Ratio Lower Upper

164 100

129 95.2 73.6 136.8

131 100.4 68.4 127.0

166 105.8 91.8 170.4



Abundance Ion 163.90 (163.60 to 164.60): VV009468.D (-2142) (-)

Ion 128.95 (128.65 to 129.65): VV009468.D (-2142) (-)

Ion 130.95 (130.65 to 131.65): VV009468.D (-2142) (-)

Ion 165.90 (165.60 to 166.60): VV009468.D (-2142) (-)

3000

2500

2000

1500

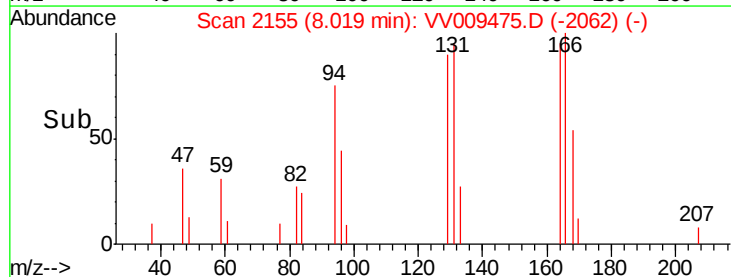
1000

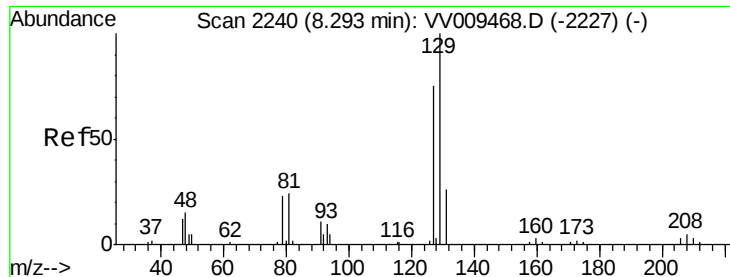
500

0

8.00 8.02 8.05

Time-->





#49

Dibromochloromethane

Concen: 0.550 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV009475.D

Acq: 04 Mar 2019 16:51

Instrument :

MSVOA_V

ClientSampleId :

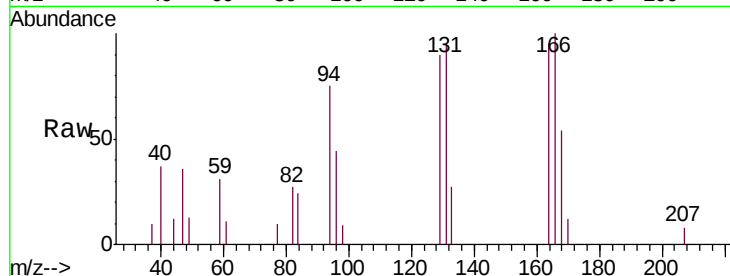
CWJY4RE

Tgt Ion:129 Resp: 2982

Ion Ratio Lower Upper

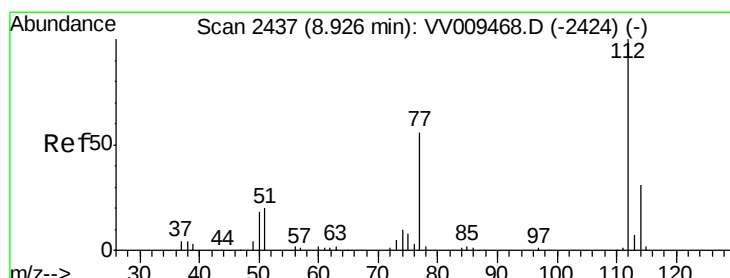
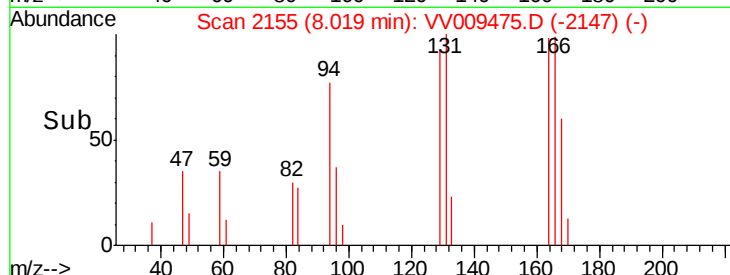
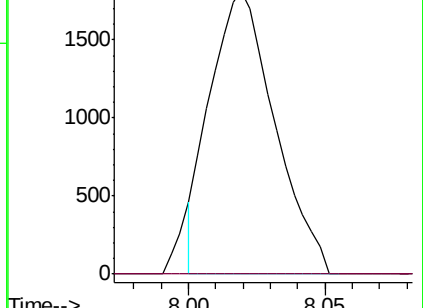
129 100

127 0.0 52.4 97.4#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#51

Chlorobenzene

Concen: 0.188 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VV009475.D

Acq: 04 Mar 2019 16:51

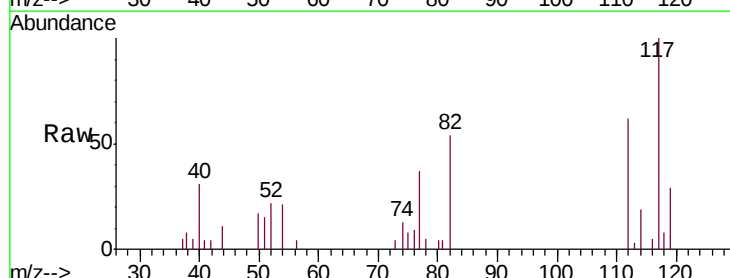
Tgt Ion:112 Resp: 3462

Ion Ratio Lower Upper

112 100

114 31.0 21.8 40.4

77 59.6 45.0 67.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

