

Data File : VV011539.D
Acq On : 15 Jun 2019 15:05
Operator : SY/MD
Sample : K3386-04
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COM80

Quant Time: Jun 17 04:36:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 17 04:30:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	9411	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	4301	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	521	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	9576	13.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	269.60%#
7) Chloroethane-d5	1.58	69	157	0.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	7.00%#
11) 1,1-Dichloroethene-d2	2.08	63	11710	8.65	ug/L	-0.04
Spiked Amount	5.000	Range	60 - 125	Recovery	=	173.00%#
20) 2-Butanone-d5	3.96	46	55039	275.28	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	550.56%#
24) Chloroform-d	4.39	84	8298	6.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	121.40%
26) 1,2-Dichloroethane-d4	5.08	65	6064	8.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	160.60%#
32) Benzene-d6	5.08	84	14985	11.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	233.40%#
36) 1,2-Dichloropropane-d6	6.12	67	5068	12.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	248.80%#
41) Toluene-d8	7.36	98	7745	6.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	135.40%#
43) trans-1,3-Dichloropropene-	7.67	79	813	6.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	120.00%
46) 2-Hexanone-d5	8.15	63	27666	353.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	707.42%#
57) 1,1,2,2-Tetrachloroethane-	10.27	84	5315	17.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	348.00%#
64) 1,2-Dichlorobenzene-d4	11.68	152	1132	10.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	217.80%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	200	0.238 ug/L #	81
3) Chloromethane	1.24	50	2377	2.614 ug/L	97
6) Bromomethane	1.48	94	243	0.647 ug/L	85
8) Chloroethane	1.32	64	720	1.655 ug/L	85
13) Acetone	2.21	43	3226	23.943 ug/L	68
15) Methyl Acetate	2.44	43	19283	53.986 ug/L #	56
25) Chloroform	4.43	83	169	0.123 ug/L #	68
30) Cyclohexane	4.71	56	91	0.165 ug/L #	52
35) Methylcyclohexane	6.11	83	1403	2.747 ug/L #	17
37) 1,2-Dichloropropane	6.19	63	45	0.120 ug/L #	86
39) cis-1,3-Dichloropropene	7.06	75	63	0.134 ug/L #	45
40) 4-Methyl-2-pentanone	7.28	43	171	0.641 ug/L #	46
42) Toluene	7.44	91	346	0.238 ug/L	90
44) trans-1,3-Dichloropropene	7.73	75	90	0.250 ug/L #	42
45) 1,1,2-Trichloroethane	7.96	97	44	0.176 ug/L #	14
48) 2-Hexanone	8.22	43	464	2.476 ug/L #	53
50) 1,2-Dibromoethane	8.32	107	95	0.421 ug/L #	6

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061419\
Quantitation Report (Not Reviewed)

Data File : VV011539.D
Acq On : 15 Jun 2019 15:05
Operator : SY/MD
Sample : K3386-04
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COM80

Quant Time: Jun 17 04:36:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 17 04:30:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	9.06	91	380	0.249	ug/L #	44
54) o-xylene	9.59	106	224	0.399	ug/L #	32
55) Styrene	9.60	104	73	0.078	ug/L #	28
58) 1,1,2,2-Tetrachloroethane	10.26	83	53	0.174	ug/L #	25
66) 1,2-Dibromo-3-chloropropan	12.59	75	20	1.620	ug/L #	6

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

Data File : VV011539.D

Acq On : 15 Jun 2019 15:05

Operator : SY/MD

Sample : K3386-04

Misc : 25ML/MSVOA_V/WATER

```
ALS Vial      : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
C0M80

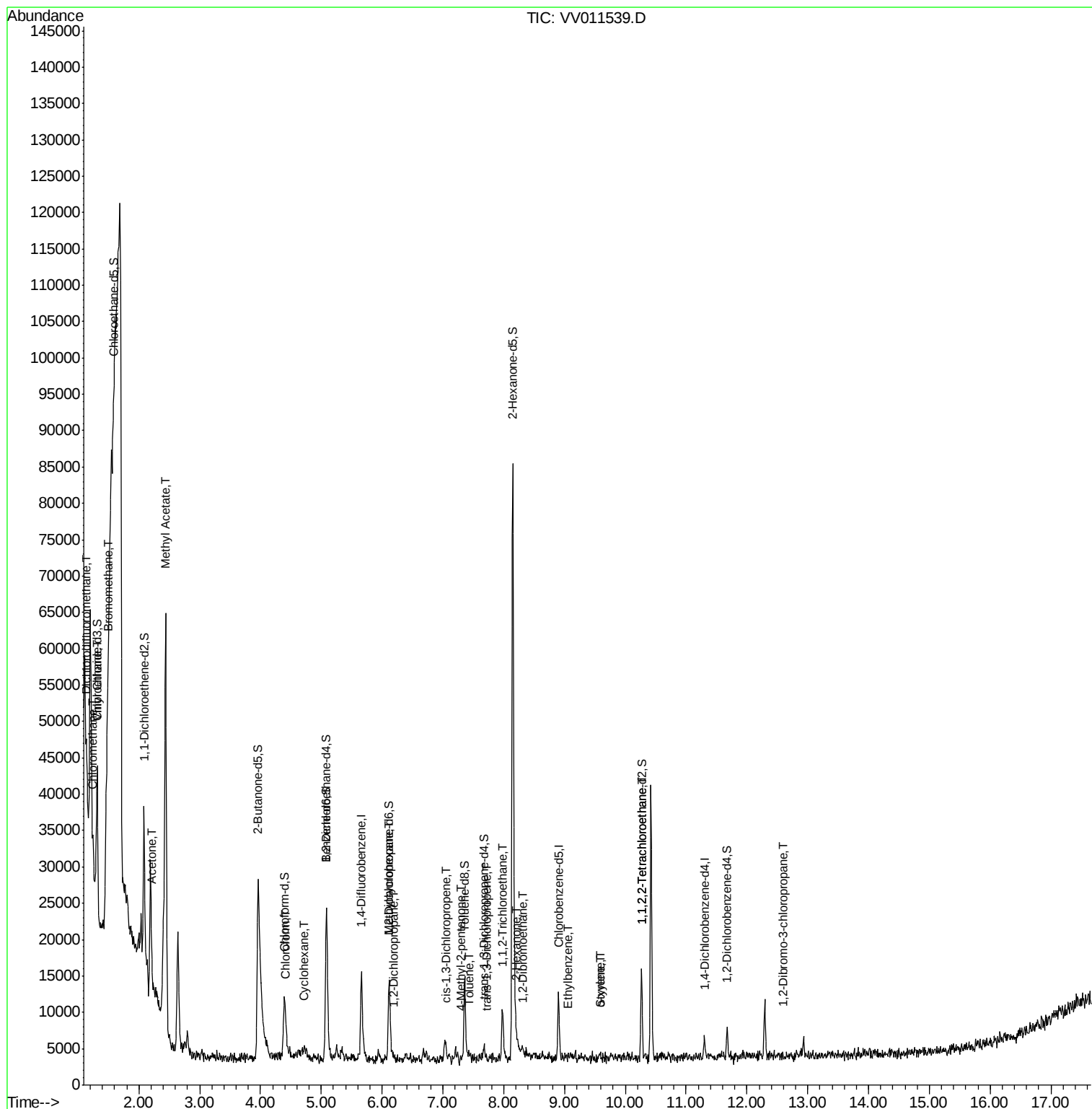
Quant Time: Jun 17 04:36:45 2019

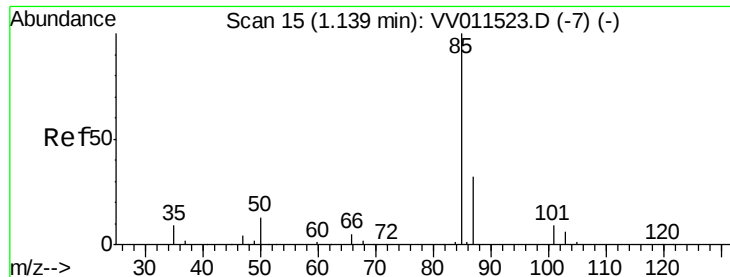
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR061419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Mon Jun 17 04:30:15 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.238 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV011539.D

Acq: 15 Jun 2019 15:05

Instrument :

MSVOA_V

ClientSampled :

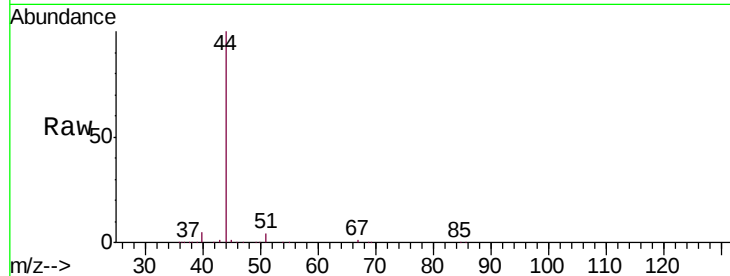
COM80

Tgt Ion: 85 Resp: 200

Ion Ratio Lower Upper

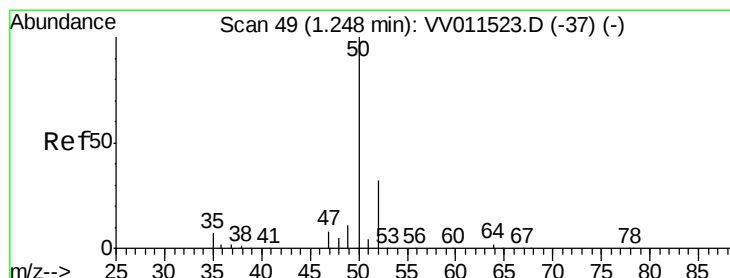
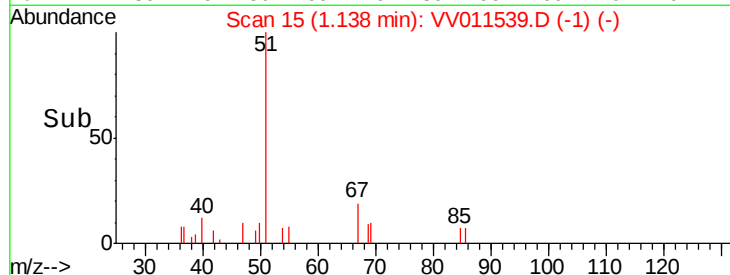
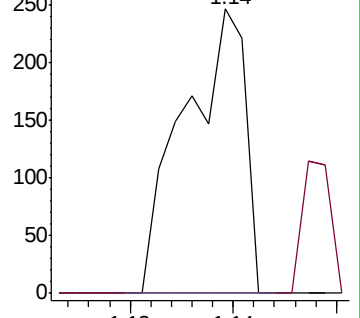
85 100

87 21.5 25.9 38.9#



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.614 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV011539.D

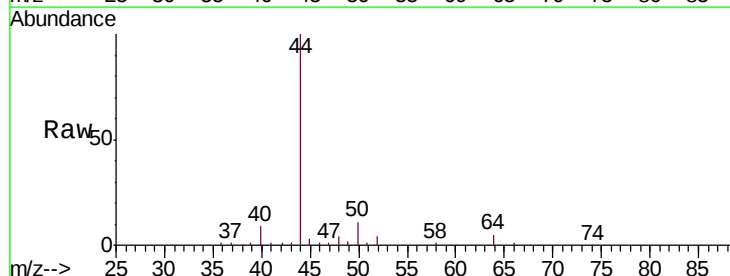
Acq: 15 Jun 2019 15:05

Tgt Ion: 50 Resp: 2377

Ion Ratio Lower Upper

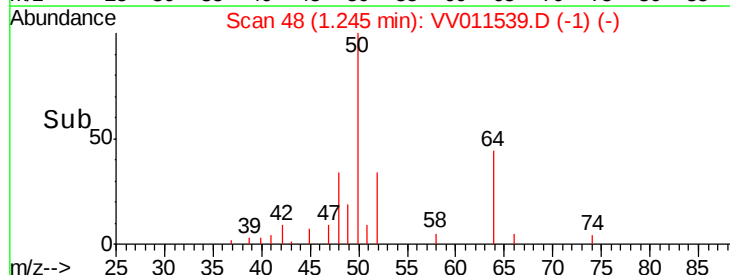
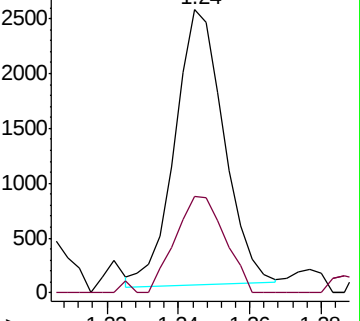
50 100

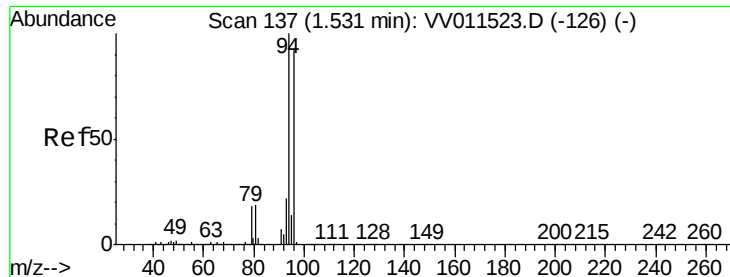
52 34.0 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#6

Bromomethane

Concen: 0.647 ug/L

RT: 1.48 min Scan# 122

Delta R.T. -0.05 min

Lab File: VV011539.D

Acq: 15 Jun 2019 15:05

Instrument :

MSVOA_V

ClientSampled :

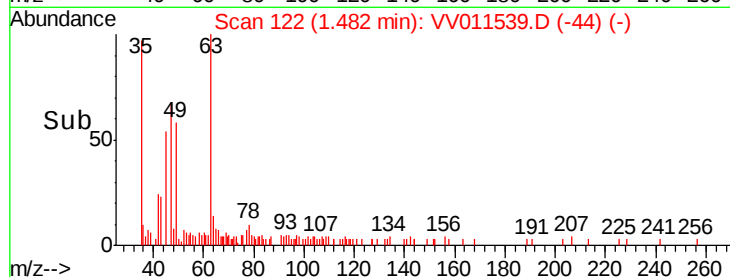
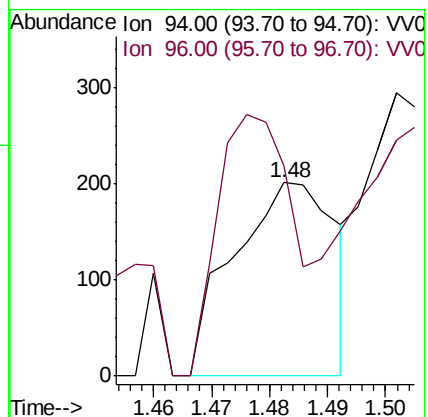
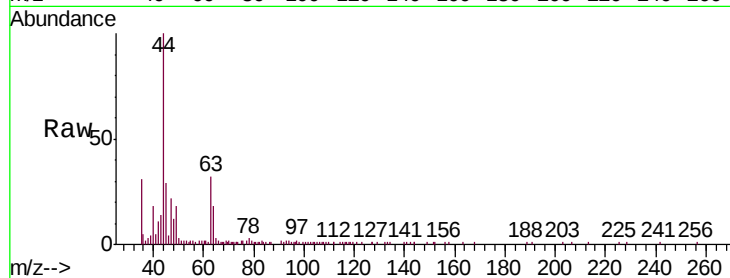
COM80

Tgt Ion: 94 Resp: 243

Ion Ratio Lower Upper

94 100

96 108.5 65.5 121.7



#8

Chloroethane

Concen: 1.655 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.27 min

Lab File: VV011539.D

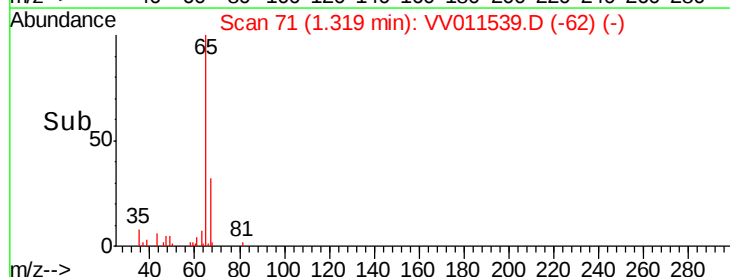
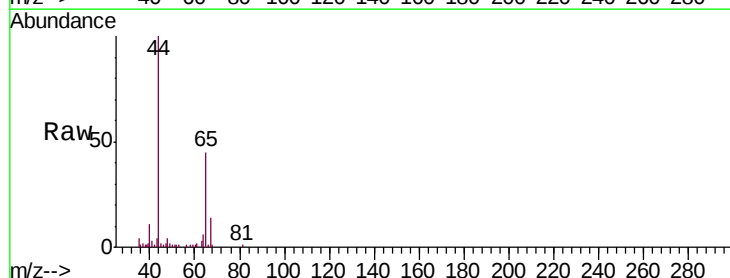
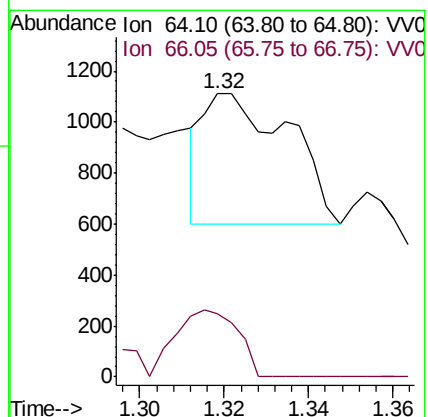
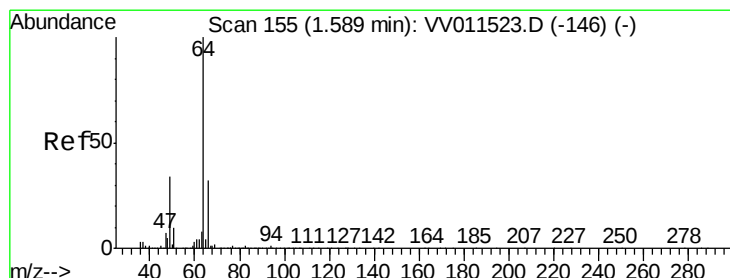
Acq: 15 Jun 2019 15:05

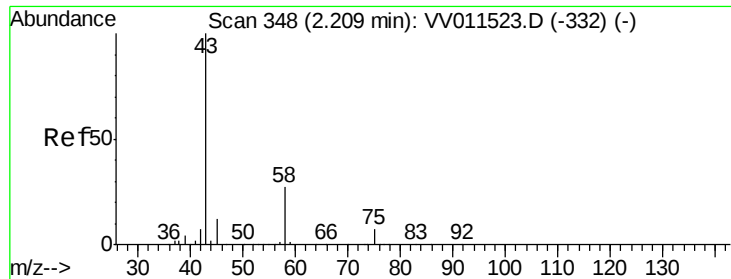
Tgt Ion: 64 Resp: 720

Ion Ratio Lower Upper

64 100

66 22.5 21.6 40.2





#13

Acetone

Concen: 23.943 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV011539.D

Acq: 15 Jun 2019 15:05

Instrument :

MSVOA_V

ClientSampleId :

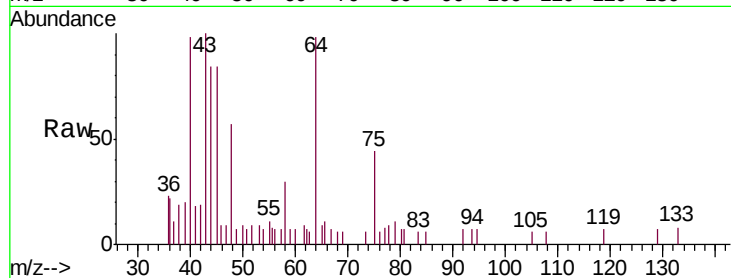
COM80

Tgt Ion: 43 Resp: 3226

Ion Ratio Lower Upper

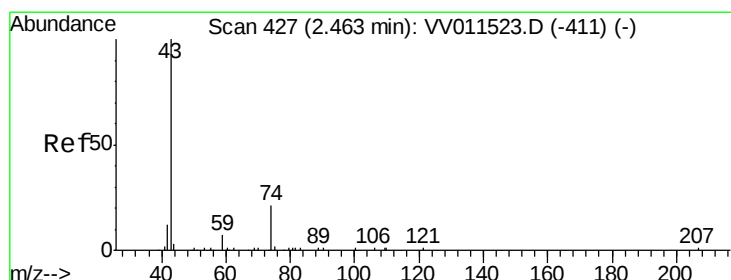
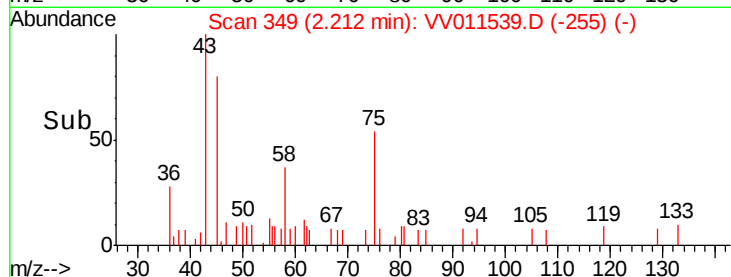
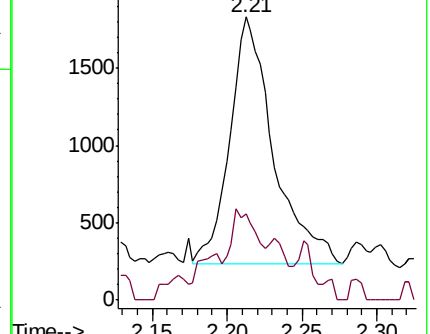
43 100

58 11.9 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#15

Methyl Acetate

Concen: 53.986 ug/L

RT: 2.44 min Scan# 419

Delta R.T. -0.03 min

Lab File: VV011539.D

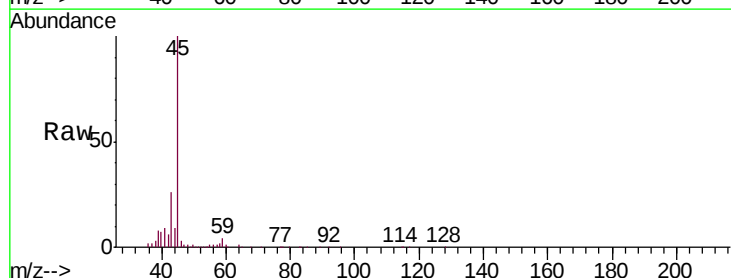
Acq: 15 Jun 2019 15:05

Tgt Ion: 43 Resp: 19283

Ion Ratio Lower Upper

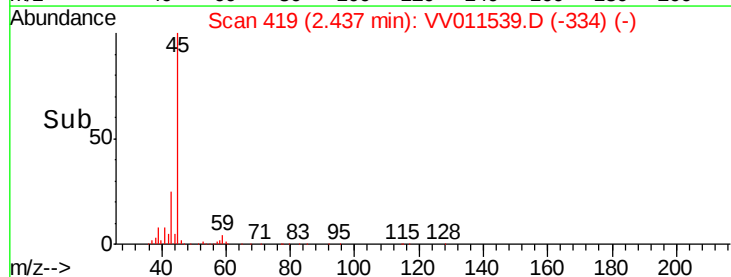
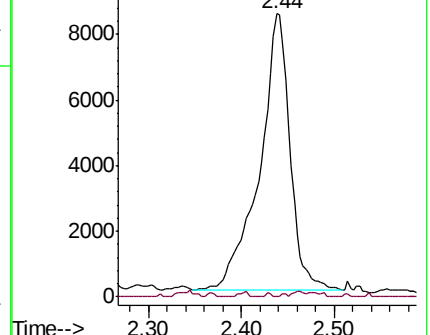
43 100

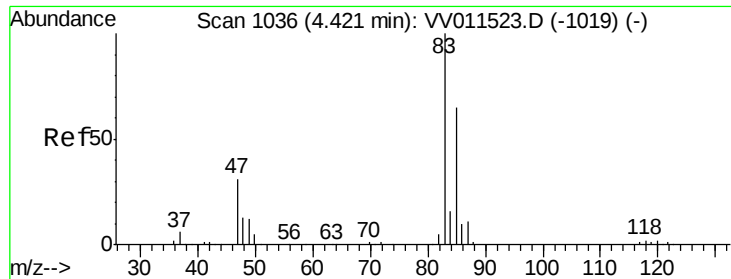
74 0.2 16.5 24.7#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

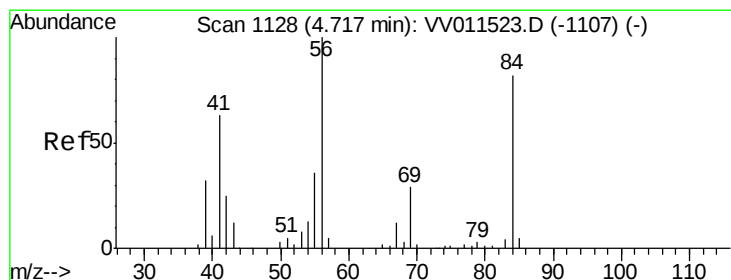
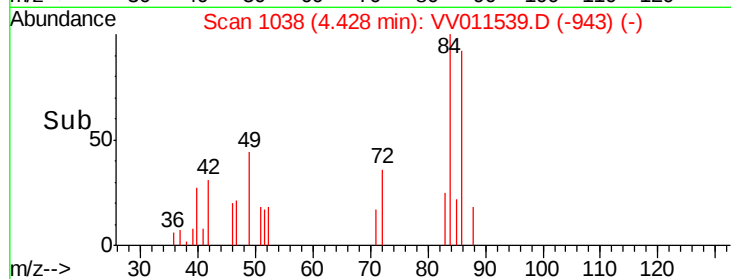
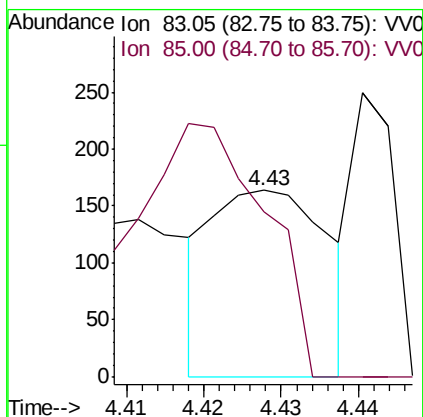
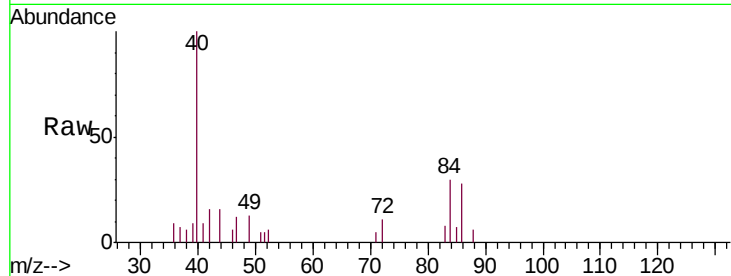




#25
Chloroform
Concen: 0.123 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV011539.D
Acq: 15 Jun 2019 15:05

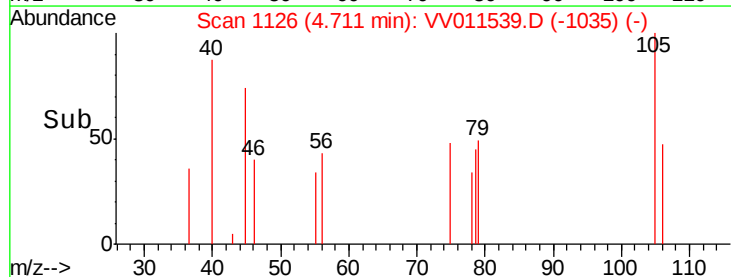
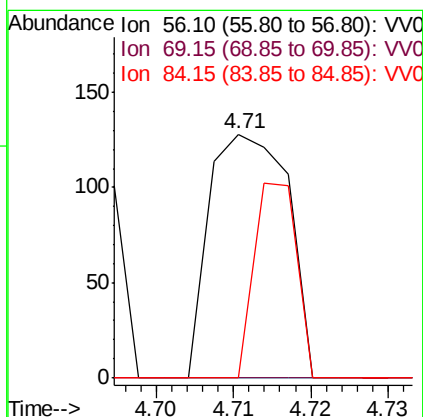
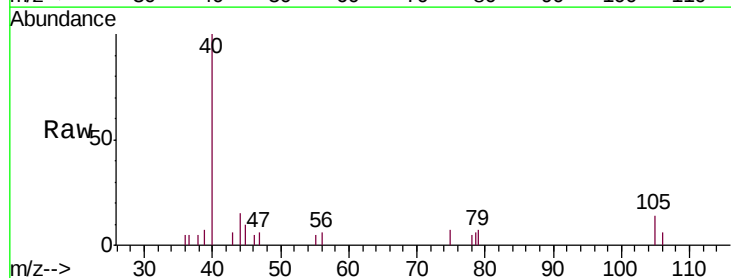
Instrument :
MSVOA_V
ClientSampled :
COM80

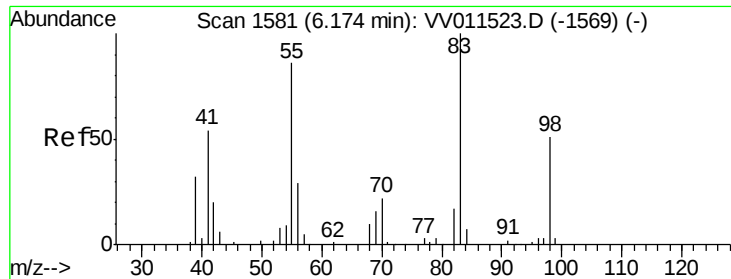
Tgt Ion: 83 Resp: 169
Ion Ratio Lower Upper
83 100
85 88.4 44.6 82.8#



#30
Cyclohexane
Concen: 0.165 ug/L
RT: 4.71 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VV011539.D
Acq: 15 Jun 2019 15:05

Tgt Ion: 56 Resp: 91
Ion Ratio Lower Upper
56 100
69 0.0 24.1 36.1#
84 42.9 66.8 100.2#

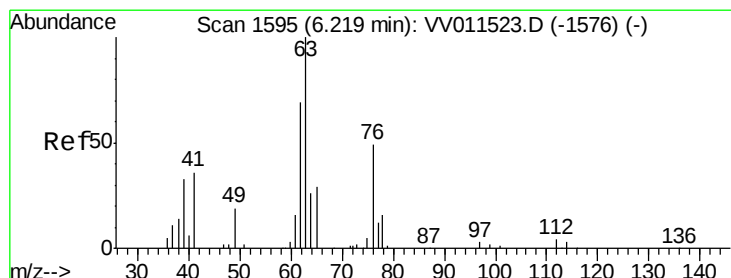
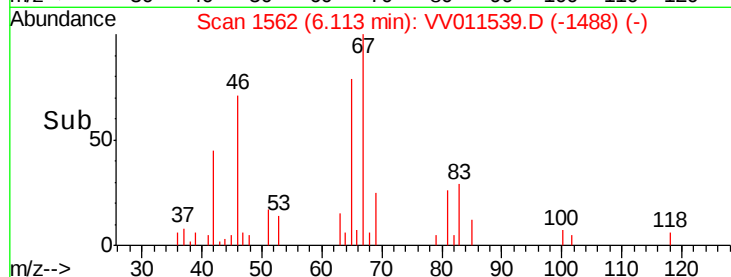
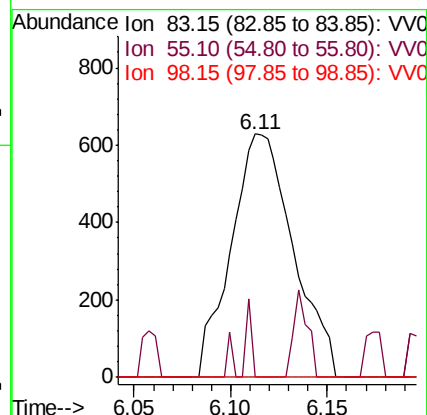
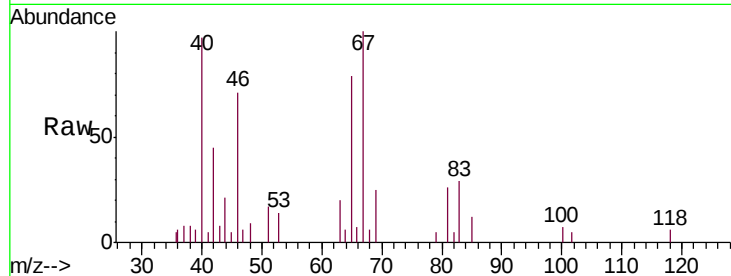




#35
Methylcyclohexane
Concen: 2.747 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV011539.D
Acq: 15 Jun 2019 15:05

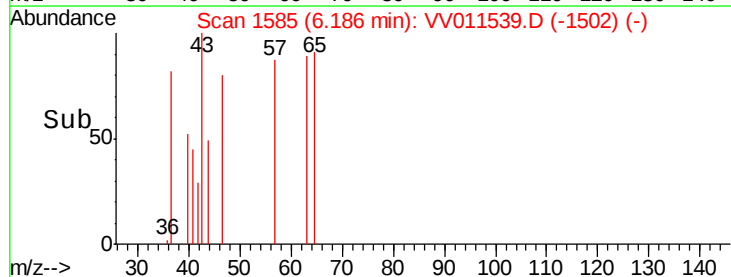
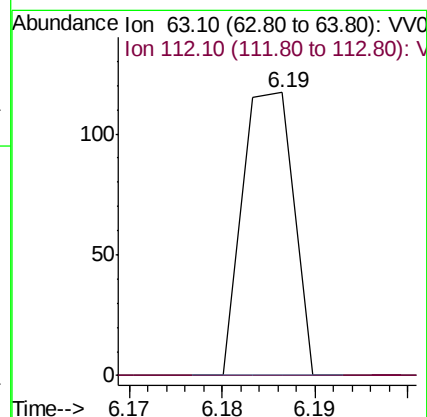
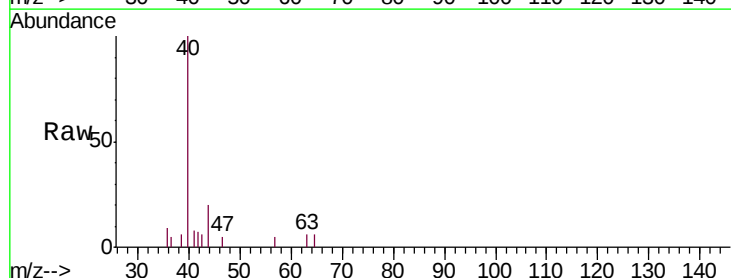
Instrument :
MSVOA_V
ClientSampled :
COM80

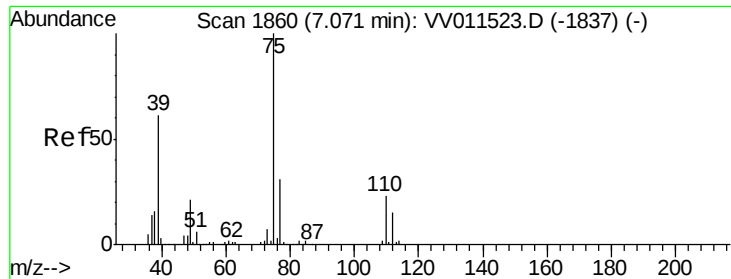
Tgt Ion: 83 Resp: 1403
Ion Ratio Lower Upper
83 100
55 2.8 67.9 101.9#
98 0.0 39.6 59.4#



#37
1,2-Dichloropropane
Concen: 0.120 ug/L
RT: 6.19 min Scan# 1585
Delta R.T. -0.03 min
Lab File: VV011539.D
Acq: 15 Jun 2019 15:05

Tgt Ion: 63 Resp: 45
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#





#39

cis-1,3-Dichloropropene

Concen: 0.134 ug/L

RT: 7.06 min Scan# 1857

Delta R.T. -0.01 min

Lab File: VV011539.D

Acq: 15 Jun 2019 15:05

Instrument :

MSVOA_V

ClientSampled :

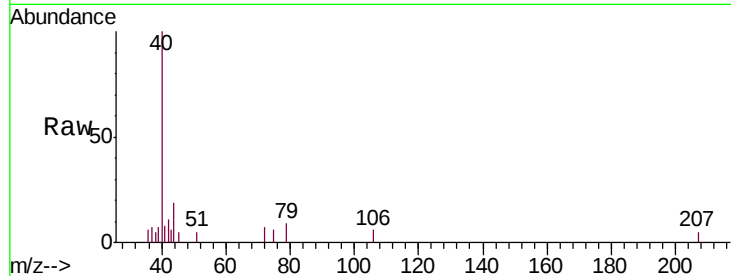
COM80

Tgt Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

77 0.0 20.6 38.4#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.06

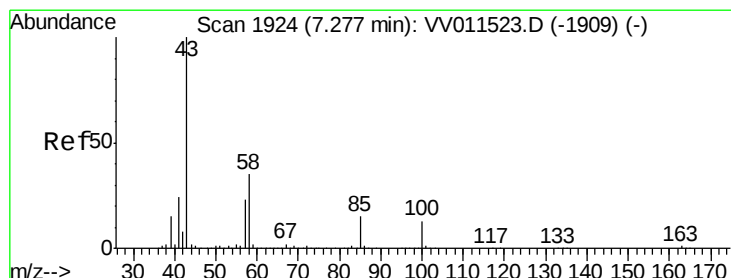
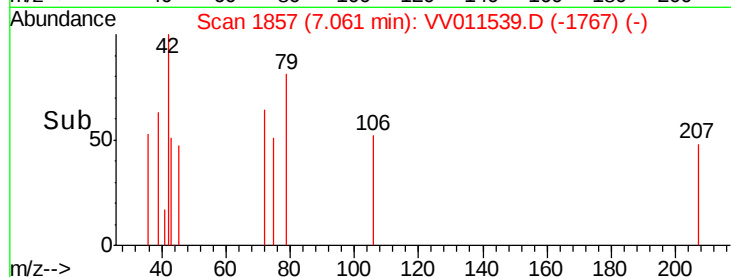
100

50

0

7.05 7.06 7.07

Time-->



#40

4-Methyl-2-pentanone

Concen: 0.641 ug/L

RT: 7.28 min Scan# 1926

Delta R.T. 0.01 min

Lab File: VV011539.D

Acq: 15 Jun 2019 15:05

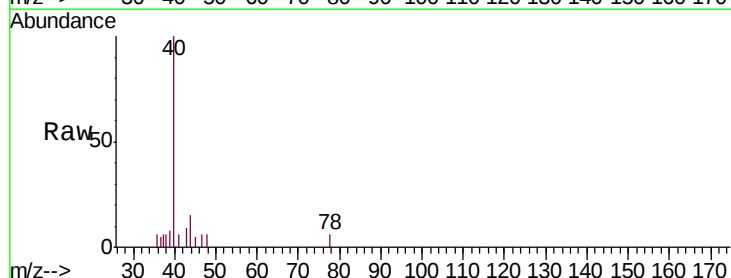
Tgt Ion: 43 Resp: 171

Ion Ratio Lower Upper

43 100

58 0.0 28.7 43.1#

100 0.0 10.6 15.8#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0

300

200

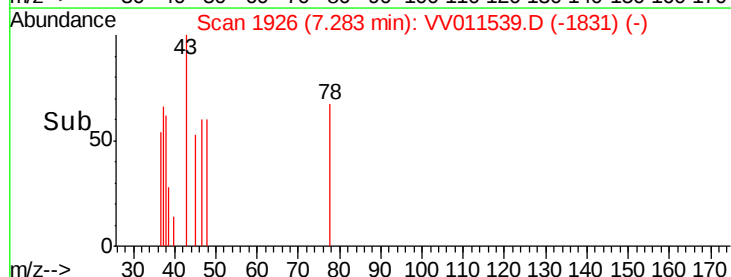
100

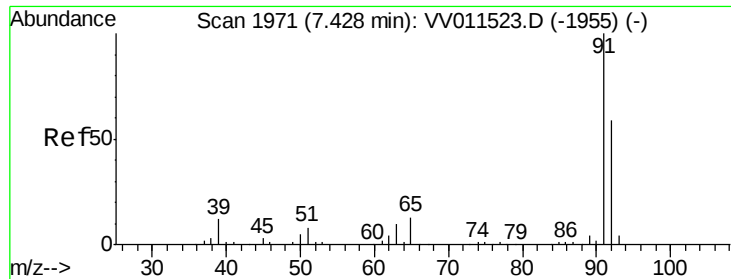
0

7.28

7.26 7.27 7.28 7.29 7.30

Time-->





#42

Toluene

Concen: 0.238 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.01 min

Lab File: VV011539.D

Acq: 15 Jun 2019 15:05

Instrument :

MSVOA_V

ClientSampled :

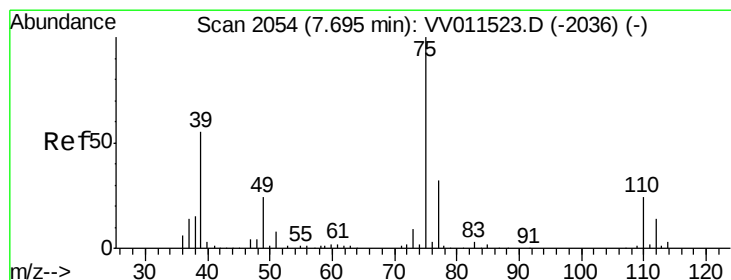
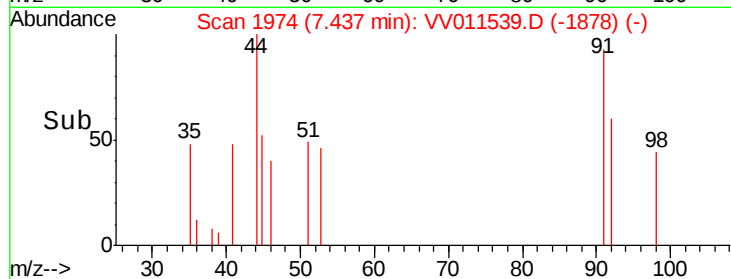
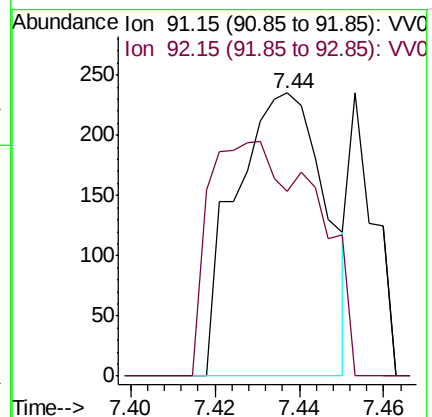
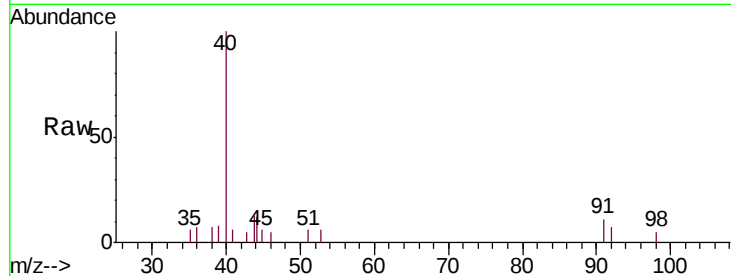
COM80

Tgt Ion: 91 Resp: 346

Ion Ratio Lower Upper

91 100

92 65.1 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 0.250 ug/L

RT: 7.73 min Scan# 2065

Delta R.T. 0.04 min

Lab File: VV011539.D

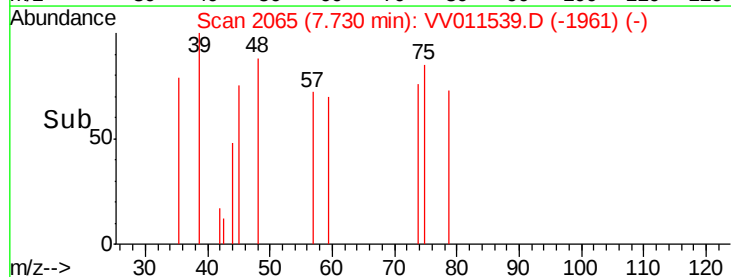
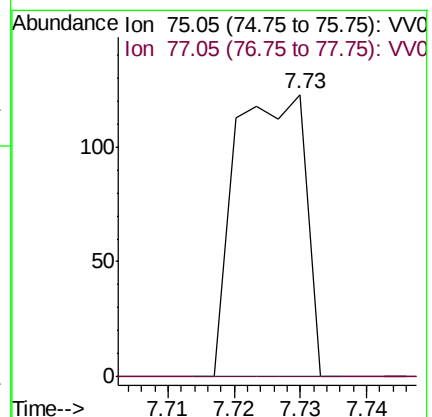
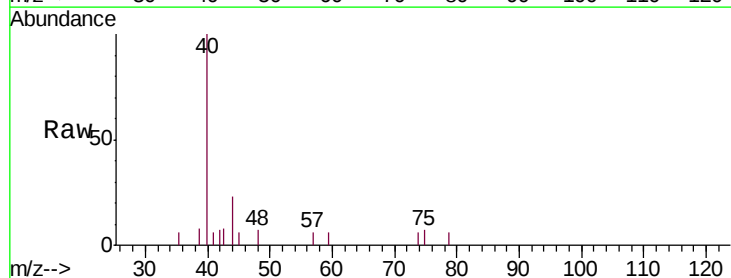
Acq: 15 Jun 2019 15:05

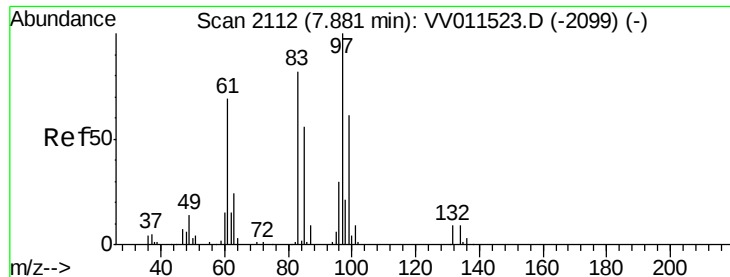
Tgt Ion: 75 Resp: 90

Ion Ratio Lower Upper

75 100

77 0.0 22.8 42.4#

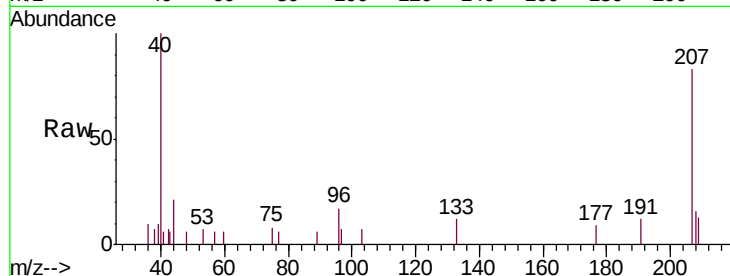




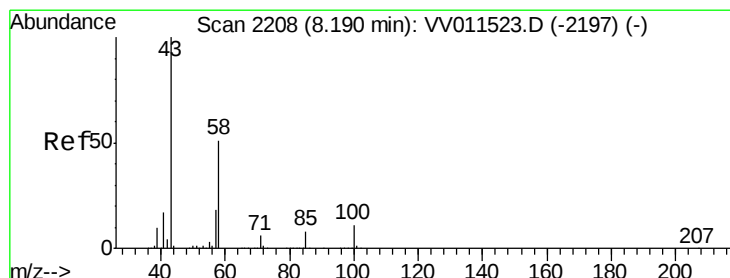
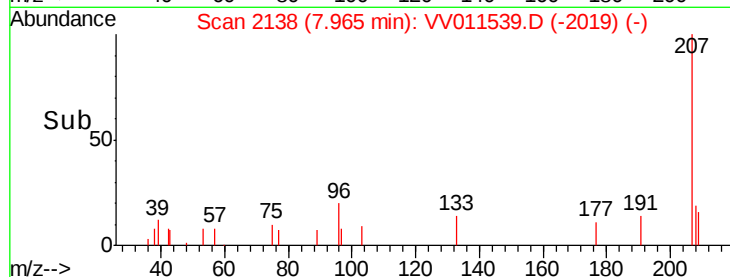
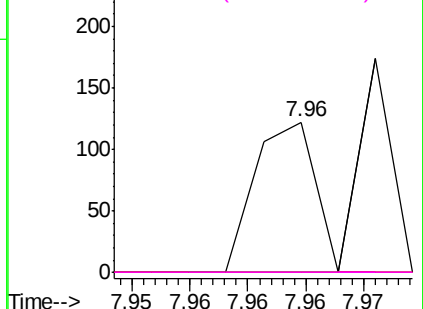
#45
 1,1,2-Trichloroethane
 Concen: 0.176 ug/L
 RT: 7.96 min Scan# 2138
 Delta R.T. 0.08 min
 Lab File: VV011539.D
 Acq: 15 Jun 2019 15:05

Instrument :
 MSVOA_V
 ClientSampleId :
 COM80

Tgt Ion:	97	Resp:	44
Ion	Ratio	Lower	Upper
97	100		
99	0.0	45.4	84.4#
83	0.0	60.6	112.6#
85	0.0	38.6	71.6#

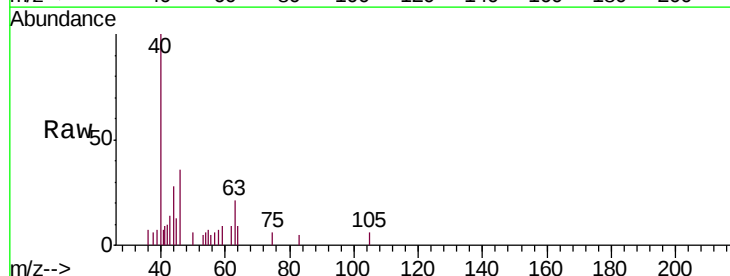


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

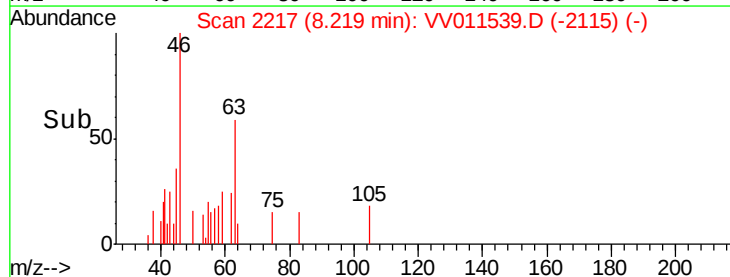
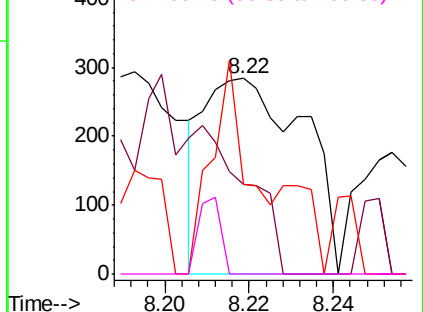


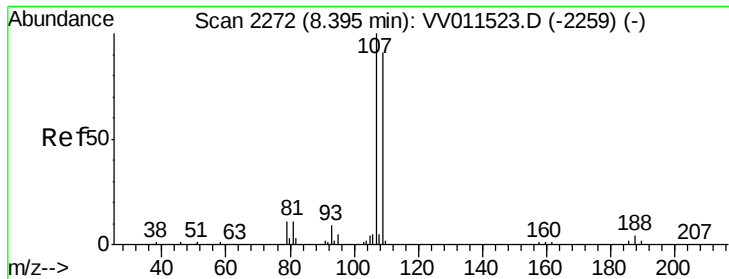
#48
 2-Hexanone
 Concen: 2.476 ug/L
 RT: 8.22 min Scan# 2217
 Delta R.T. 0.03 min
 Lab File: VV011539.D
 Acq: 15 Jun 2019 15:05

Tgt Ion:	43	Resp:	464
Ion	Ratio	Lower	Upper
43	100		
58	12.9	40.6	60.8#
57	41.2	14.2	21.4#
100	8.8	8.6	12.8



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 58.05 (57.75 to 58.75): VV0
 Ion 57.20 (56.90 to 57.90): VV0
 Ion 100.15 (99.85 to 100.85): VV0





#50

1,2-Dibromoethane

Concen: 0.421 ug/L

RT: 8.32 min Scan# 2249

Delta R.T. -0.07 min

Lab File: VV011539.D

Acq: 15 Jun 2019 15:05

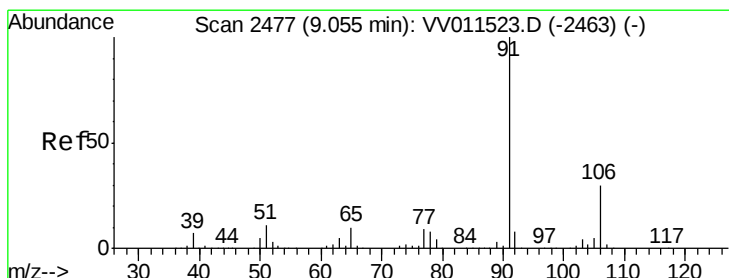
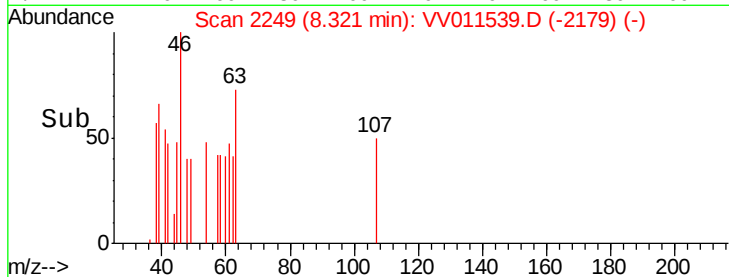
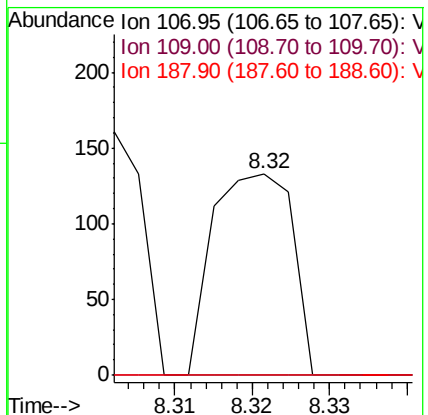
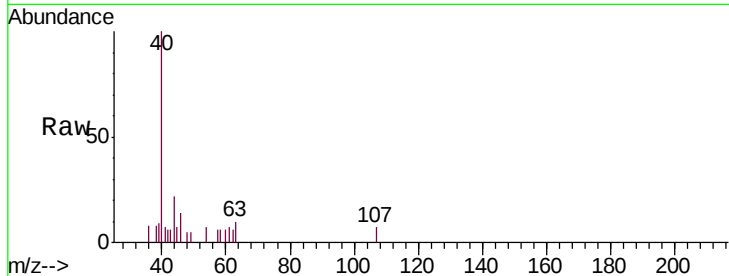
Instrument :

MSVOA_V

ClientSampleId :

COM80

Tgt Ion:	107	Resp:	95
Ion	Ratio	Lower	Upper
107	100		
109	0.0	65.7	121.9#
188	0.0	2.9	4.3#



#52

Ethylbenzene

Concen: 0.249 ug/L

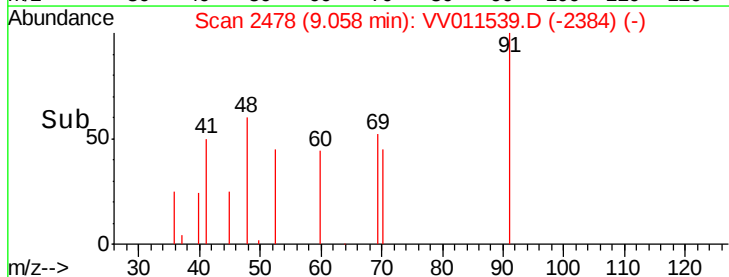
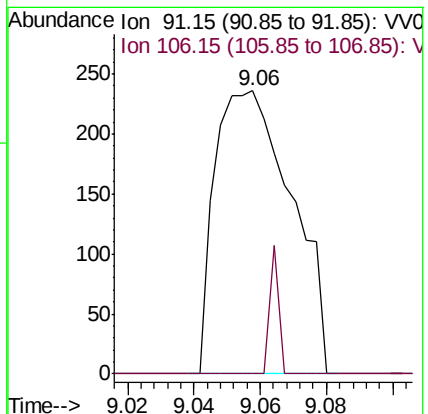
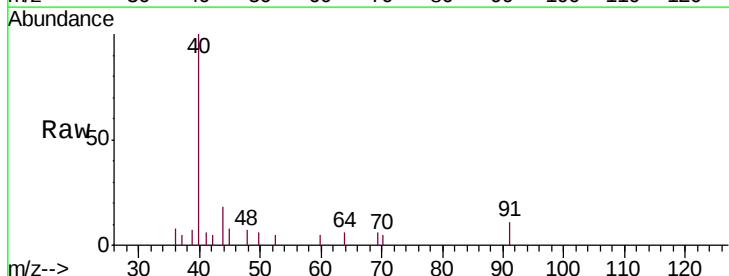
RT: 9.06 min Scan# 2478

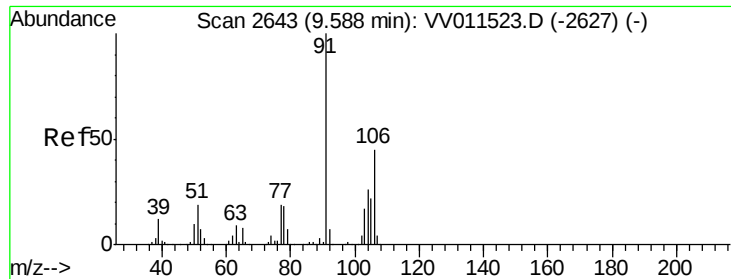
Delta R.T. 0.00 min

Lab File: VV011539.D

Acq: 15 Jun 2019 15:05

Tgt Ion:	91	Resp:	380
Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.2	39.4#





#54

o-xylene

Concen: 0.399 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV011539.D

Acq: 15 Jun 2019 15:05

Instrument :

MSVOA_V

ClientSampled :

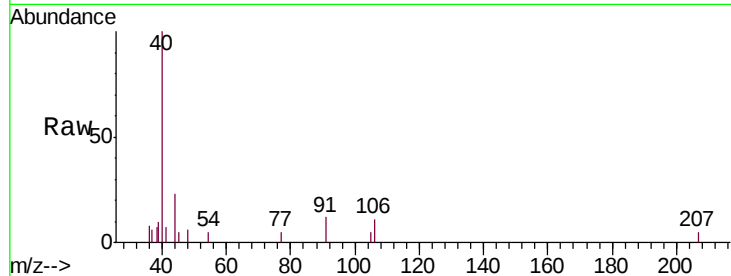
COM80

Tgt Ion:106 Resp: 224

Ion Ratio Lower Upper

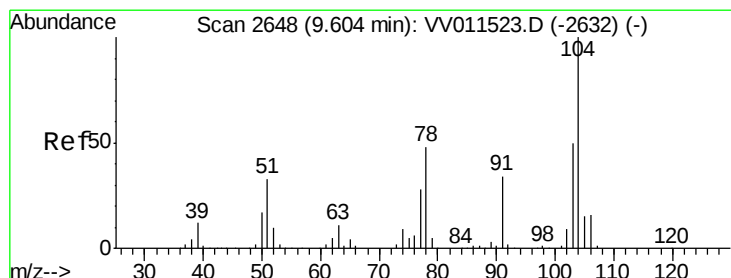
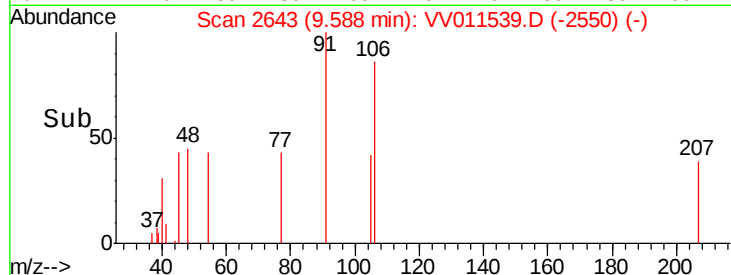
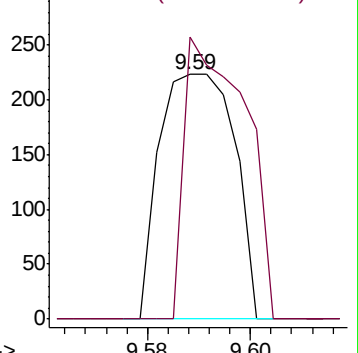
106 100

91 115.7 158.8 294.8#



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.078 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV011539.D

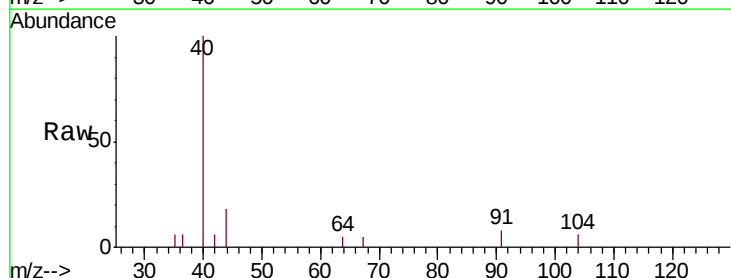
Acq: 15 Jun 2019 15:05

Tgt Ion:104 Resp: 73

Ion Ratio Lower Upper

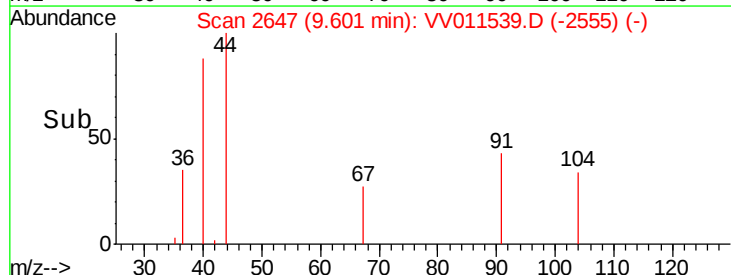
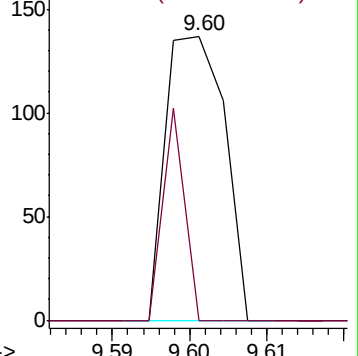
104 100

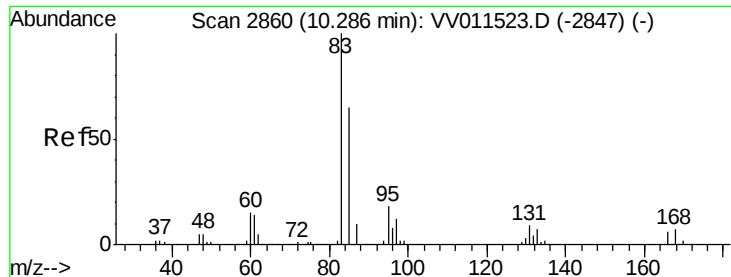
78 0.0 34.0 63.2#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 0.174 ug/L

RT: 10.26 min Scan# 2851

Delta R.T. -0.03 min

Lab File: VV011539.D

Acq: 15 Jun 2019 15:05

Instrument :

MSVOA_V

ClientSampleId :

COM80

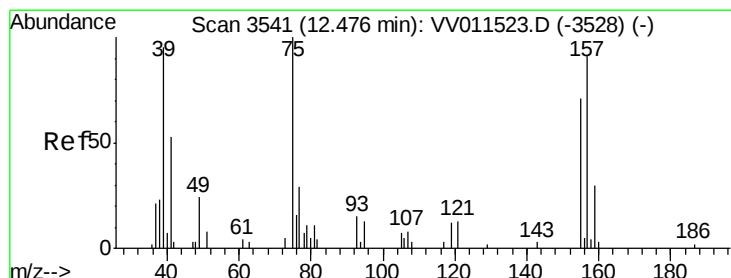
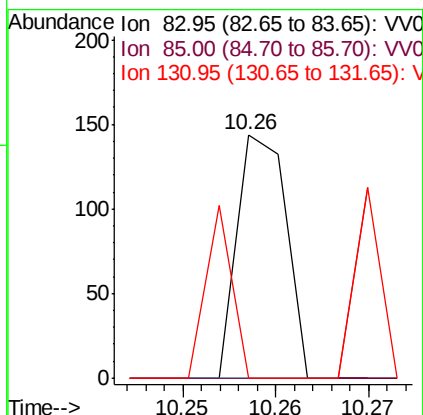
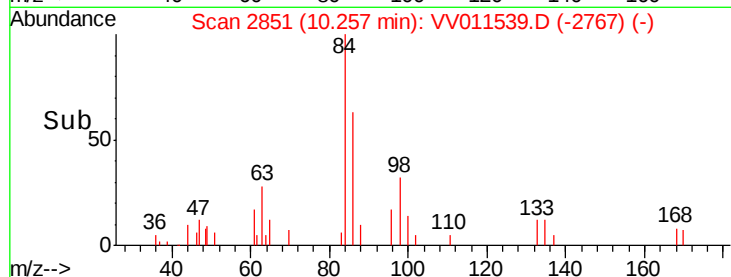
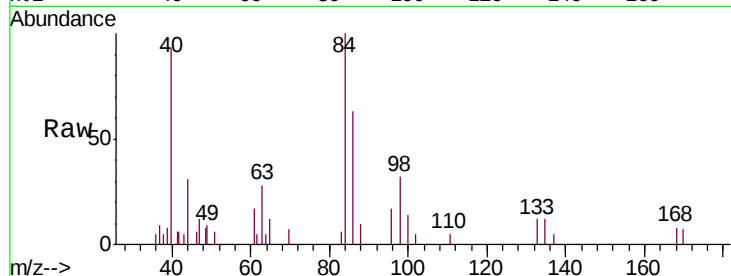
Tgt Ion: 83 Resp: 53

Ion Ratio Lower Upper

83 100

85 0.0 45.6 84.8#

131 0.0 7.9 11.9#



#66

1,2-Dibromo-3-chloropropane

Concen: 1.620 ug/L

RT: 12.59 min Scan# 3578

Delta R.T. 0.12 min

Lab File: VV011539.D

Acq: 15 Jun 2019 15:05

Tgt Ion: 75 Resp: 20

Ion Ratio Lower Upper

75 100

155 0.0 58.5 87.7#

157 0.0 79.8 119.6#

