

Data File : VV013905.D
Acq On : 04 Dec 2019 15:51
Operator : SY/MD
Sample : K4649-07MS
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 05 01:32:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 05 01:28:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	263103	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	232458	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	99245	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77619	53.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.94%
7) Chloroethane-d5	1.57	69	72246	70.77	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	141.54%#
11) 1,1-Dichloroethene-d2	2.13	63	151409	60.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	121.44%
21) 2-Butanone-d5	3.92	46	108691	103.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.72%
24) Chloroform-d	4.39	84	150259	41.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.28%
26) 1,2-Dichloroethane-d4	5.07	65	96495	41.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.26%
32) Benzene-d6	5.09	84	307233	45.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.84%
36) 1,2-Dichloropropane-d6	6.11	67	95487	49.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.56%
41) Toluene-d8	7.35	98	258658	40.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.20%
43) trans-1,3-Dichloropropene-	7.66	79	41783	37.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.84%
47) 2-Hexanone-d5	8.13	63	63034	78.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.33%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	123941	45.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.76%
66) 1,2-Dichlorobenzene-d4	11.67	152	106481	45.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.24%

Target Compounds

					Qvalue
9) Trichlorofluoromethane	2.13	101	1353	0.653 ug/L #	34
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1423	1.402 ug/L #	14
12) 1,1-Dichloroethene	2.14	96	79108	82.757 ug/L	84
16) Methylene chloride	2.53	84	1283	0.885 ug/L	93
25) Chloroform	4.42	83	20007	7.171 ug/L	100
27) 1,2-Dichloroethane	5.14	62	2963	1.366 ug/L #	74
33) Benzene	5.14	78	337848	63.137 ug/L	100
34) Trichloroethene	5.95	95	87966	59.144 ug/L	97
37) 1,2-Dichloropropane	6.11	63	10203	7.817 ug/L #	84
38) Bromodichloromethane	6.55	83	2117	1.031 ug/L #	85
42) Toluene	7.42	91	340136	57.206 ug/L	98
44) trans-1,3-Dichloropropene	7.66	75	1794	0.826 ug/L #	78
48) 2-Hexanone	8.13	43	8104	6.399 ug/L #	75
51) Chlorobenzene	8.92	112	234615	58.526 ug/L	99
60) Isopropylbenzene	9.97	105	83	0.015 ug/L #	54
61) 1,2,3-Trichloropropane	11.29	75	9768	7.248 ug/L #	60
62) 1,3,5-Trimethylbenzene	10.58	105	109	0.023 ug/L #	28

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120419\
Quantitation Report (Not Reviewed)

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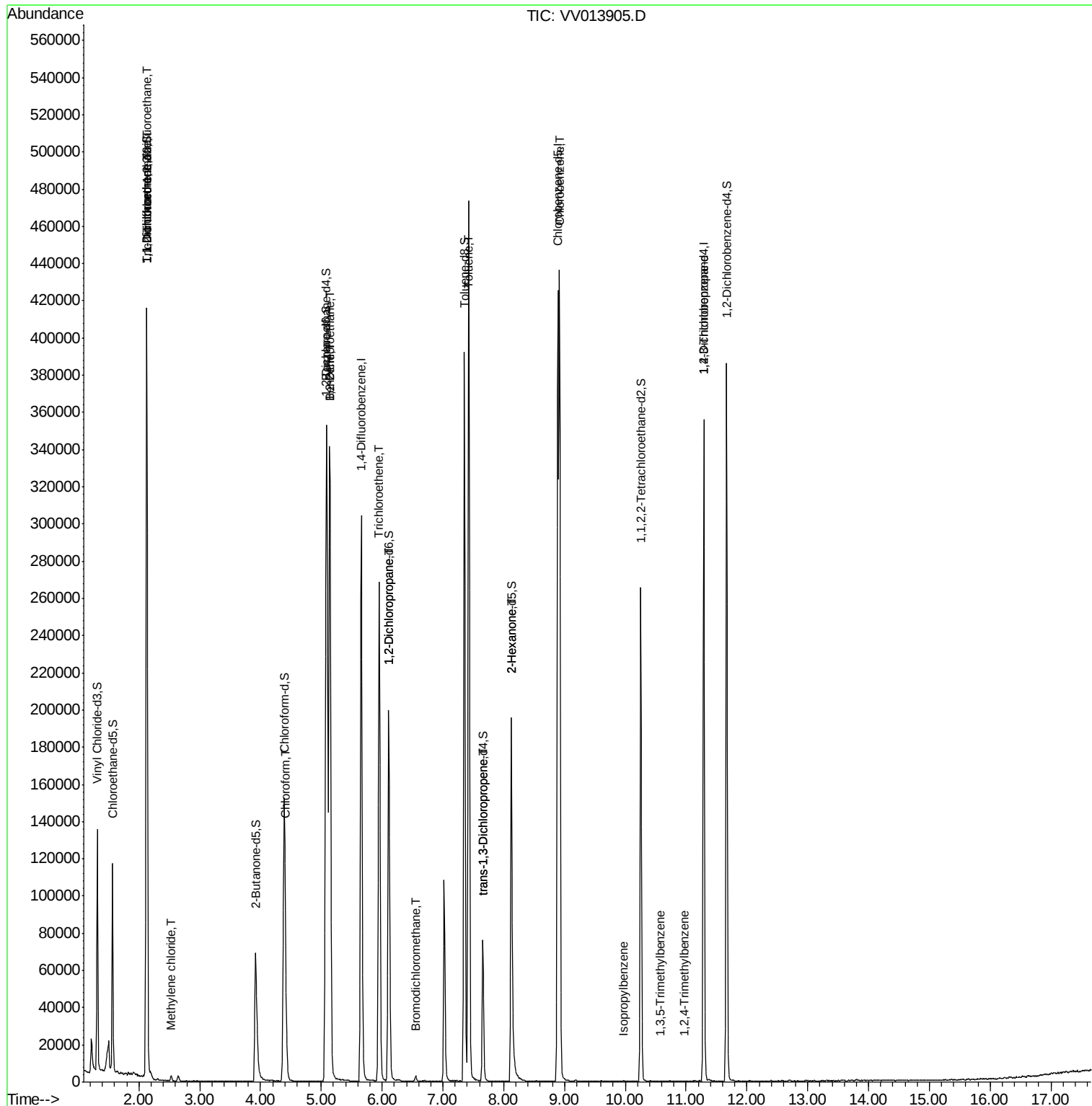
Quant Time: Dec 05 01:32:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 05 01:28:56 2019
Response via : Initial Calibration

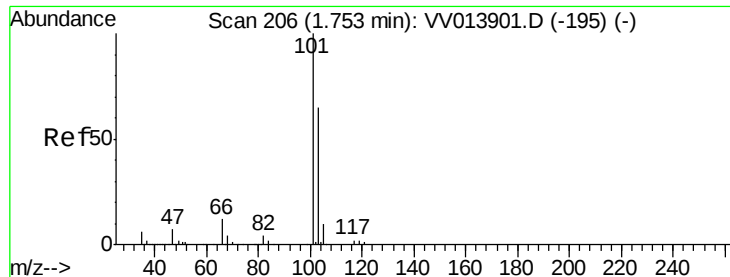
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.96	105	165	0.036	ug/L #	30

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

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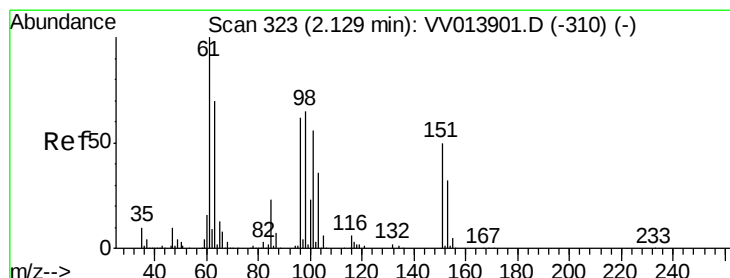
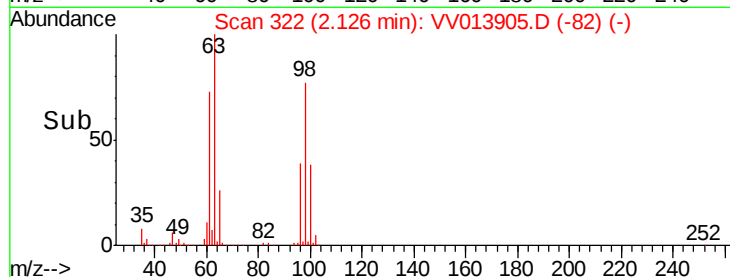
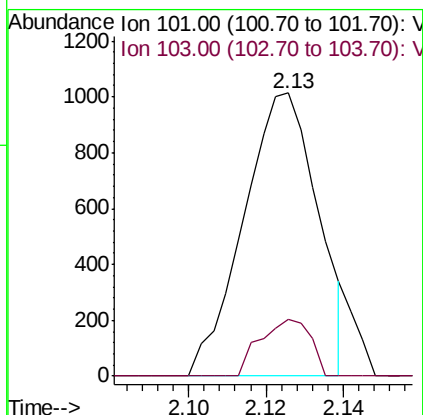
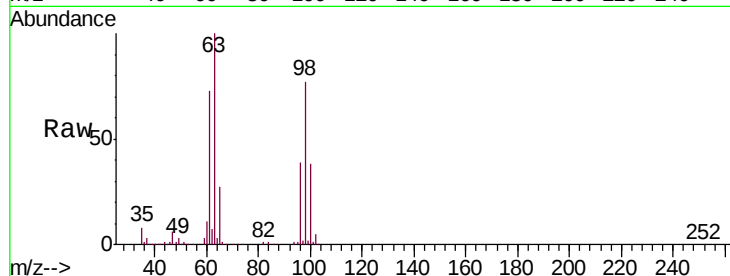




#9

Trichlorofluoromethane
Concen: 0.653 ug/L
RT: 2.13 min Scan# 322
Delta R.T. 0.37 min
Lab File: VV013905.D
Acq: 04 Dec 2019 15:51

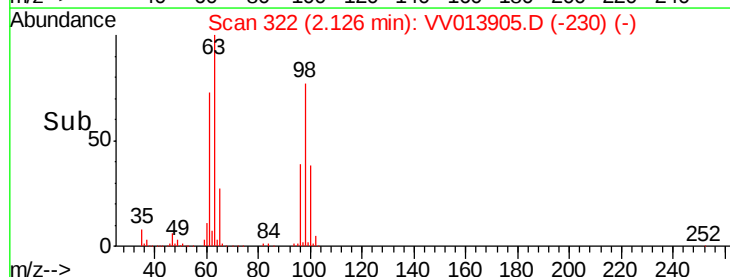
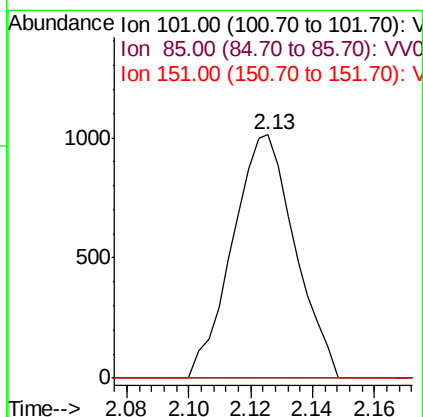
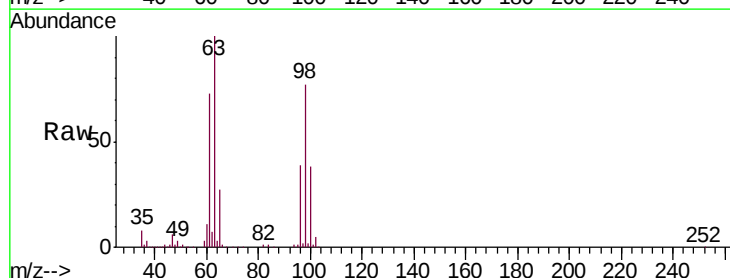
Tgt Ion:101 Resp: 1353
Ion Ratio Lower Upper
101 100
103 13.6 52.5 78.7#

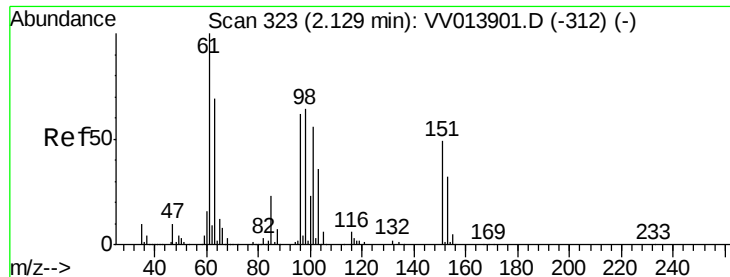


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.402 ug/L
RT: 2.13 min Scan# 322
Delta R.T. -0.00 min
Lab File: VV013905.D
Acq: 04 Dec 2019 15:51

Tgt Ion:101 Resp: 1423
Ion Ratio Lower Upper
101 100
85 0.0 34.4 51.6#
151 0.0 72.2 108.2#





#12

1,1-Dichloroethene

Concen: 82.757 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV013905.D

Acq: 04 Dec 2019 15:51

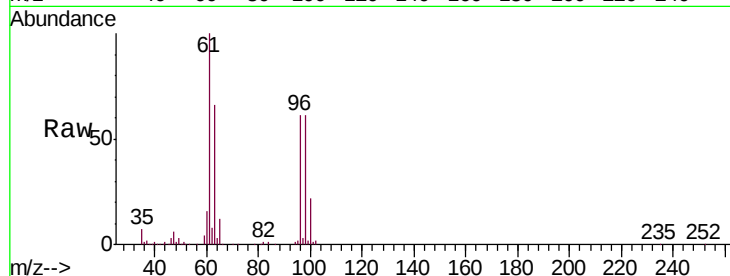
Tgt Ion: 96 Resp: 79108

Ion Ratio Lower Upper

96 100

61 162.8 120.0 223.0

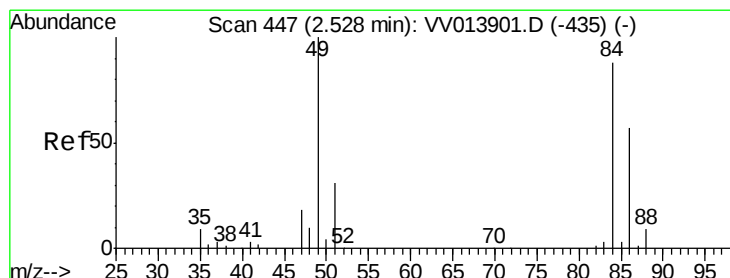
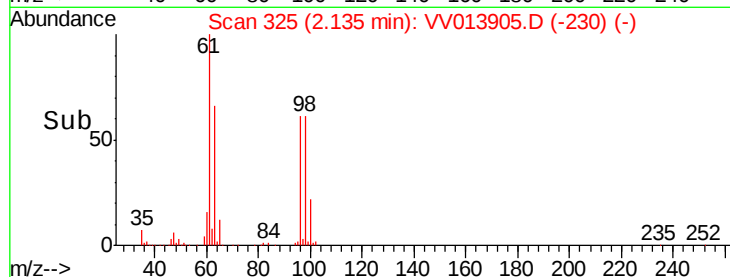
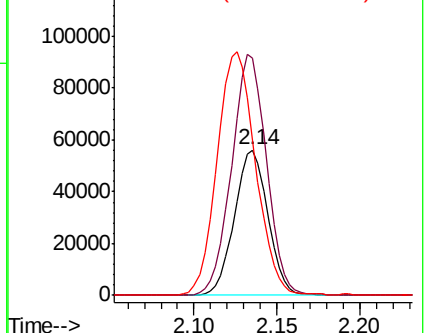
63 106.7 98.3 182.7



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#16

Methylene chloride

Concen: 0.885 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV013905.D

Acq: 04 Dec 2019 15:51

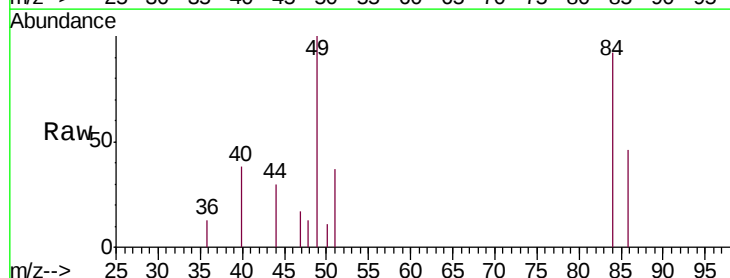
Tgt Ion: 84 Resp: 1283

Ion Ratio Lower Upper

84 100

86 50.5 45.7 84.9

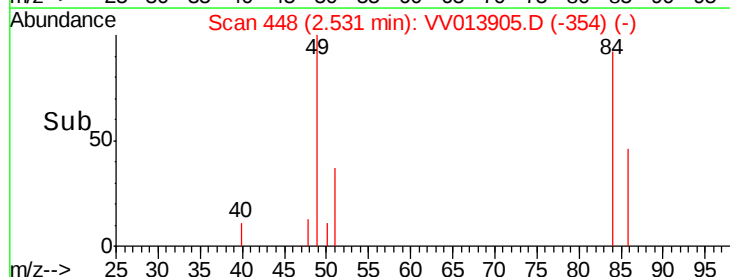
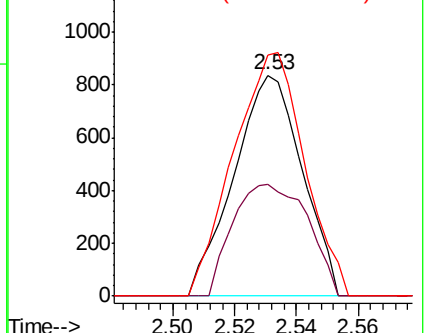
49 108.8 76.6 142.2

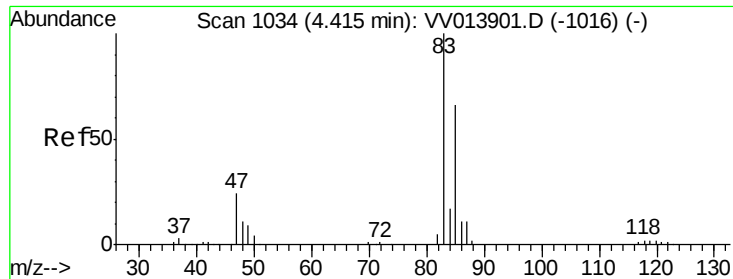


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

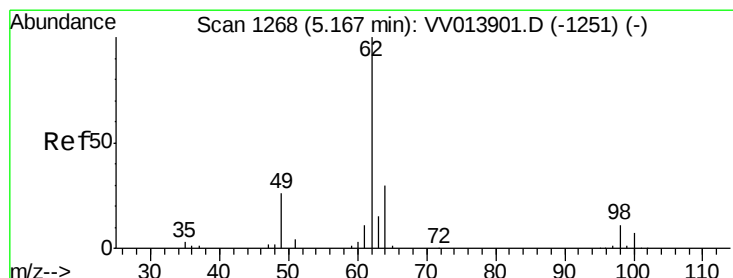
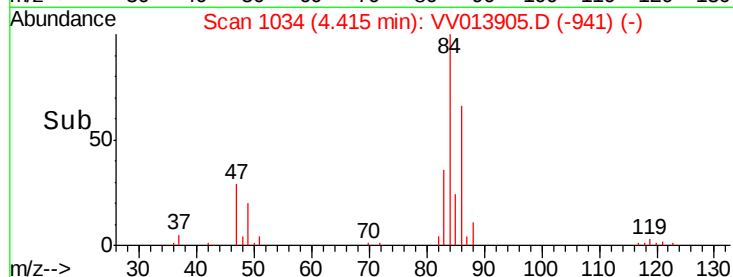
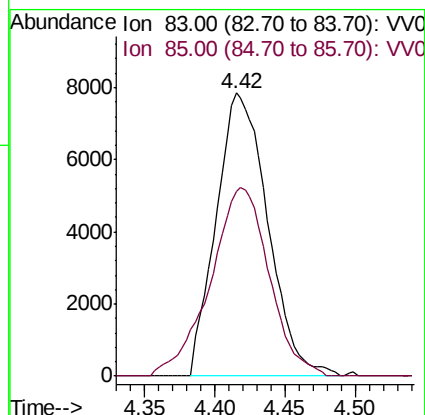
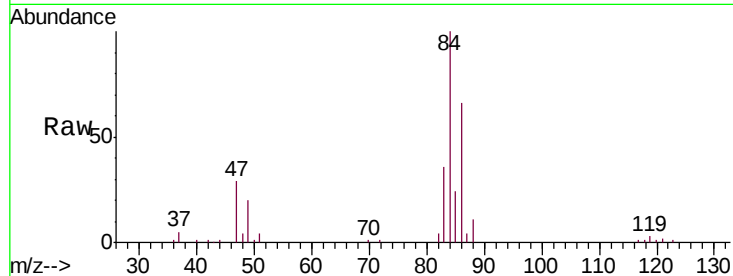
Ion 49.00 (48.70 to 49.70): VV0





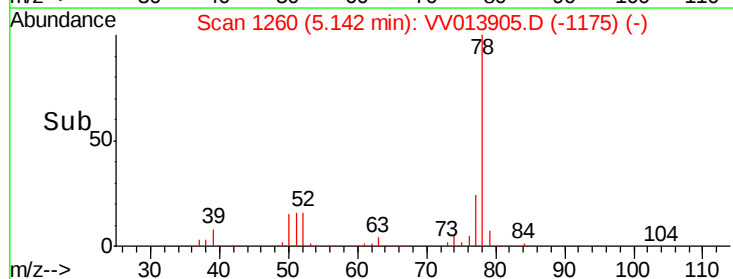
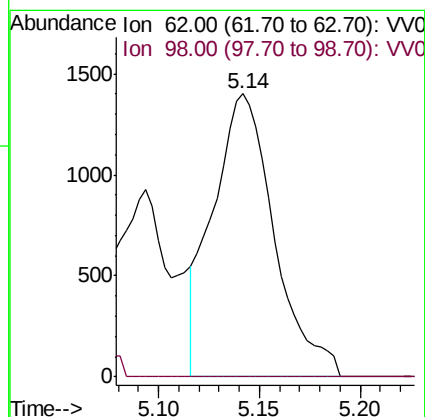
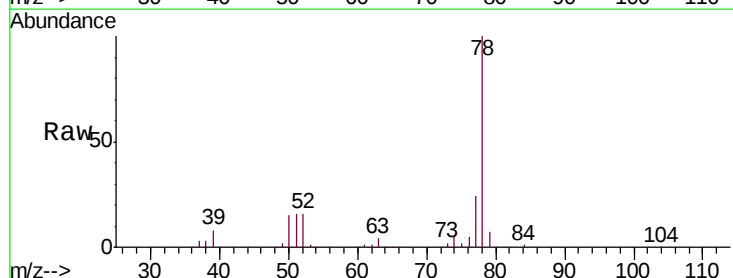
#25
Chloroform
Concen: 7.171 ug/L
RT: 4.42 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VV013905.D
Acq: 04 Dec 2019 15:51

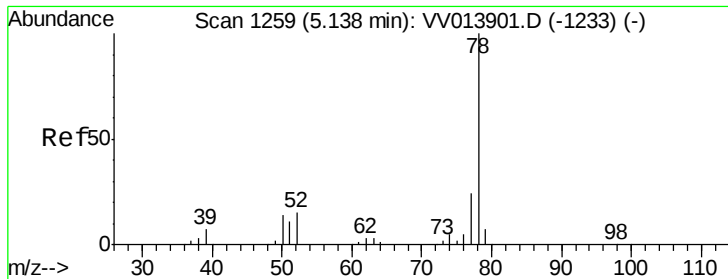
Tgt Ion: 83 Resp: 20007
Ion Ratio Lower Upper
83 100
85 65.2 45.8 85.2



#27
1,2-Dichloroethane
Concen: 1.366 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. -0.03 min
Lab File: VV013905.D
Acq: 04 Dec 2019 15:51

Tgt Ion: 62 Resp: 2963
Ion Ratio Lower Upper
62 100
98 0.0 7.5 11.3#





#33

Benzene

Concen: 63.137 ug/L

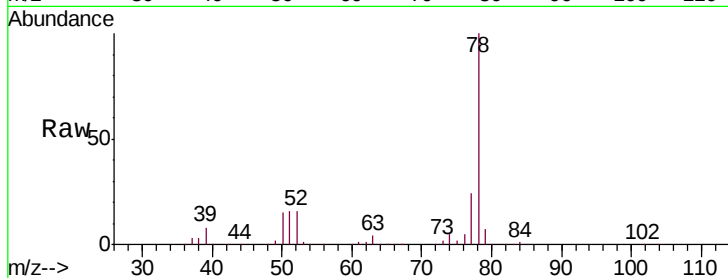
RT: 5.14 min Scan# 1259

Delta R.T. 0.00 min

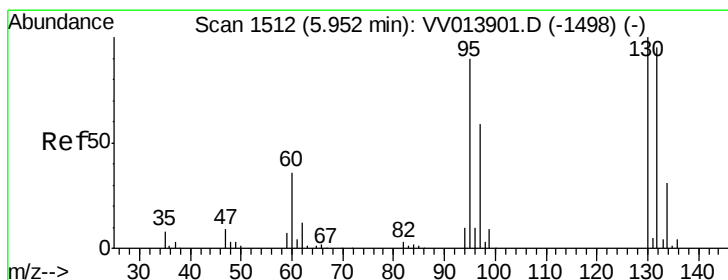
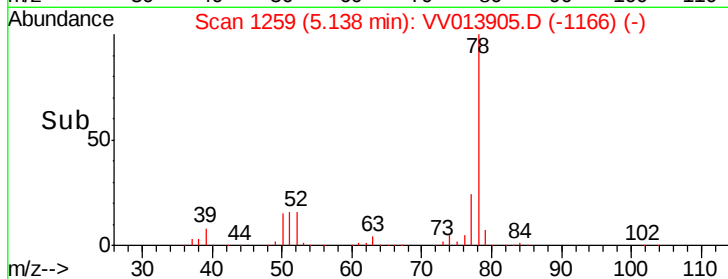
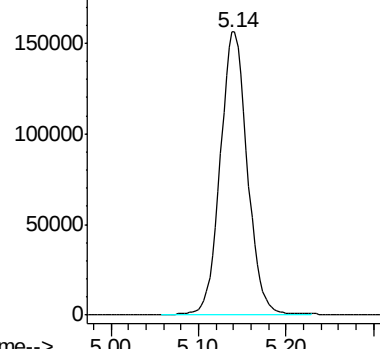
Lab File: VV013905.D

Acq: 04 Dec 2019 15:51

Tgt Ion: 78 Resp: 337848



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 59.144 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. 0.00 min

Lab File: VV013905.D

Acq: 04 Dec 2019 15:51

Tgt Ion: 95 Resp: 87966

Ion	Ratio	Lower	Upper
95	100		
97	65.8	43.4	80.6
132	105.3	73.1	135.8
130	111.7	75.3	139.8

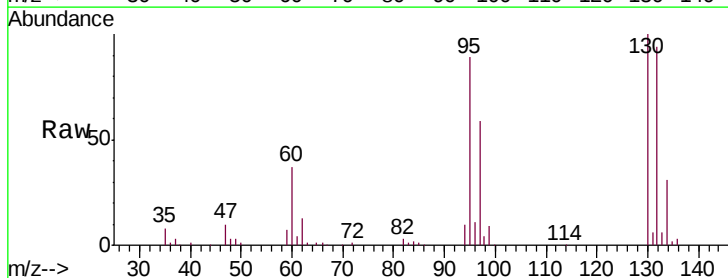
Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

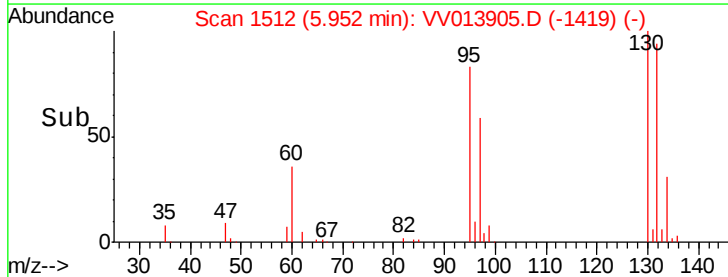
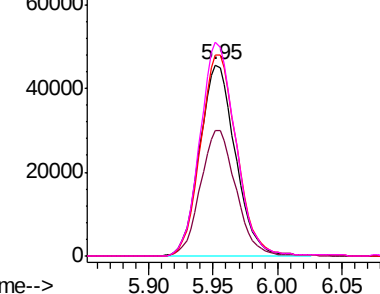
Abundance Ion 95.00 (94.70 to 95.70): VV0

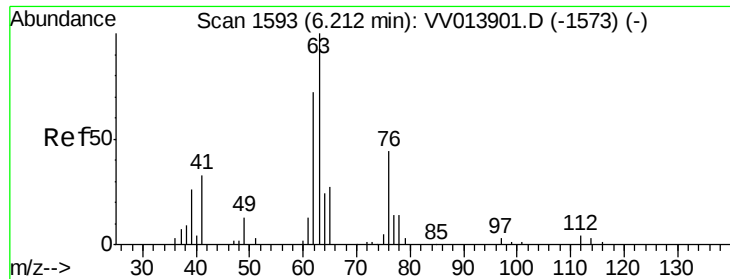


Abundance Ion 97.00 (96.70 to 97.70): VV0

Abundance Ion 132.00 (131.70 to 132.70): VV0

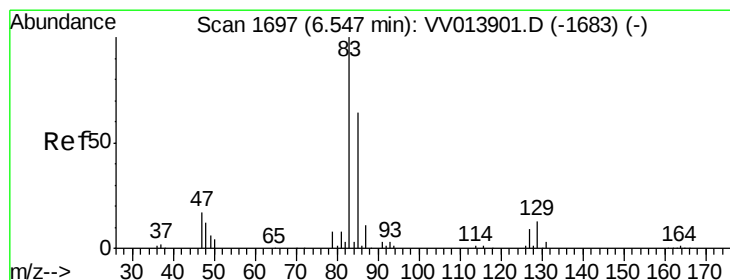
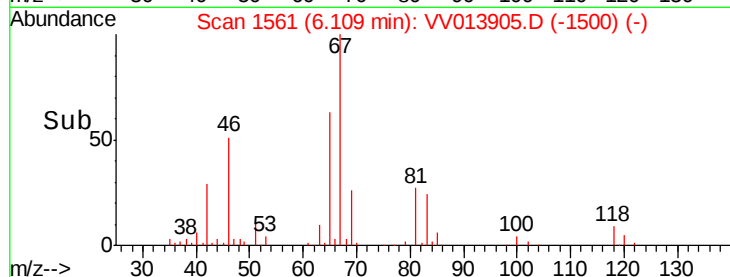
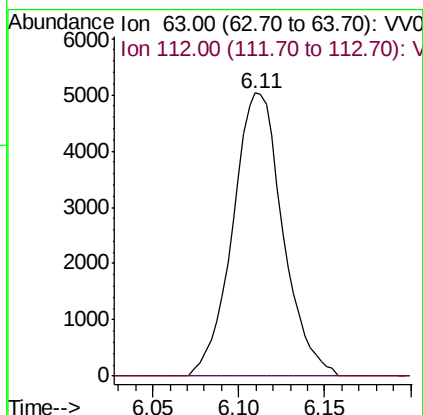
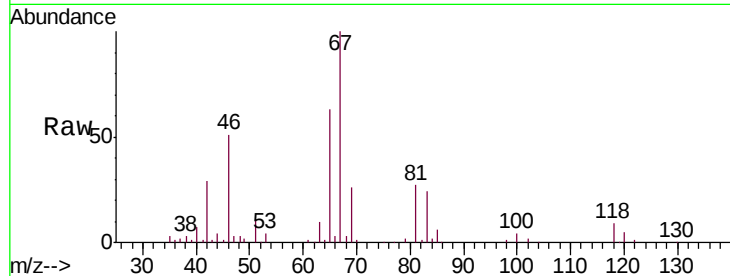
Abundance Ion 130.00 (129.70 to 130.70): VV0





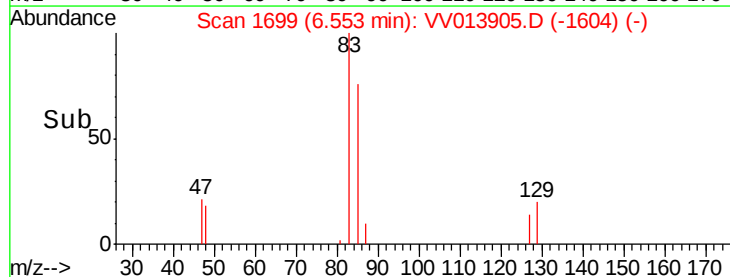
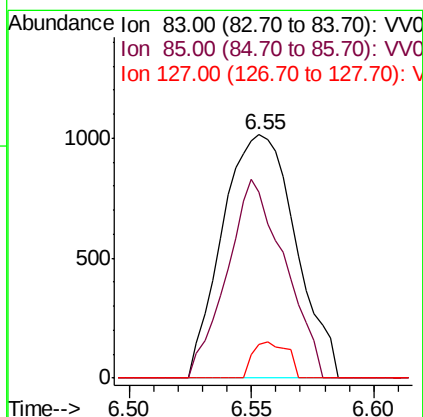
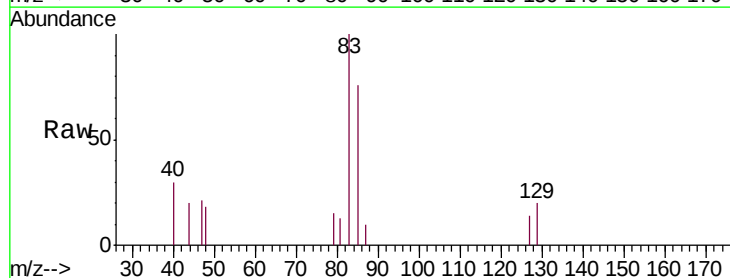
#37
 1,2-Dichloropropane
 Concen: 7.817 ug/L
 RT: 6.11 min Scan# 1561
 Delta R.T. -0.10 min
 Lab File: VV013905.D
 Acq: 04 Dec 2019 15:51

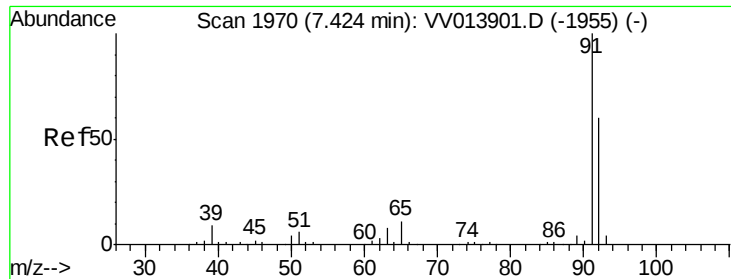
Tgt Ion: 63 Resp: 10203
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.2#



#38
 Bromodichloromethane
 Concen: 1.031 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.01 min
 Lab File: VV013905.D
 Acq: 04 Dec 2019 15:51

Tgt Ion: 83 Resp: 2117
 Ion Ratio Lower Upper
 83 100
 85 76.4 45.0 83.6
 127 14.1 7.9 11.9#





#42

Toluene

Concen: 57.206 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VV013905.D

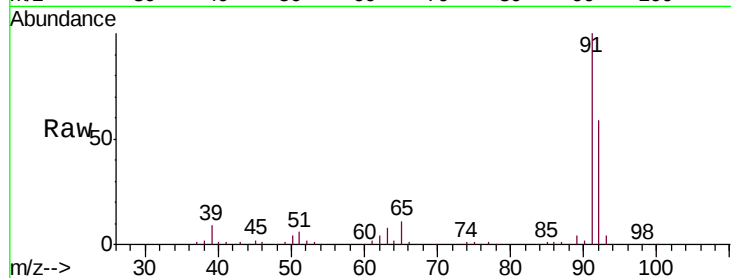
Acq: 04 Dec 2019 15:51

Tgt Ion: 91 Resp: 340136

Ion Ratio Lower Upper

91 100

92 58.9 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV013901.D (-1955) (-)

Ion 92.00 (91.70 to 92.70): VV013901.D (-1955) (-)

7.42

200000

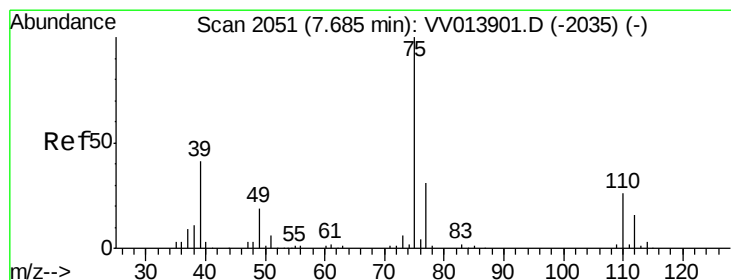
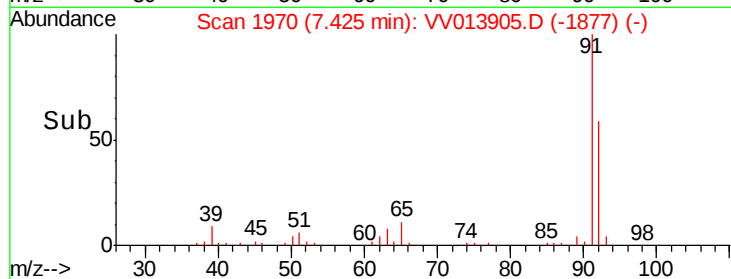
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.826 ug/L

RT: 7.66 min Scan# 2042

Delta R.T. -0.03 min

Lab File: VV013905.D

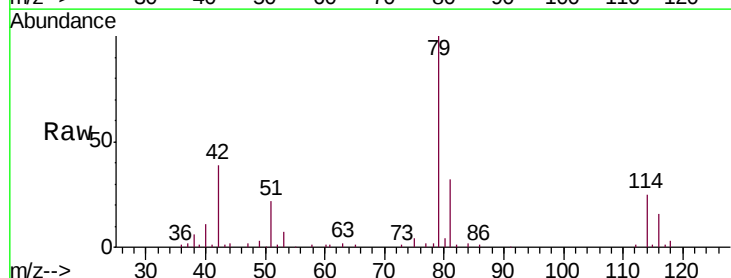
Acq: 04 Dec 2019 15:51

Tgt Ion: 75 Resp: 1794

Ion Ratio Lower Upper

75 100

77 43.3 21.8 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VV013901.D (-2035) (-)

Ion 77.00 (76.70 to 77.70): VV013901.D (-2035) (-)

7.66

1200

1000

800

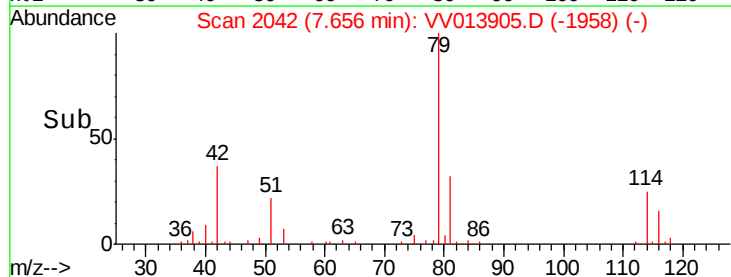
600

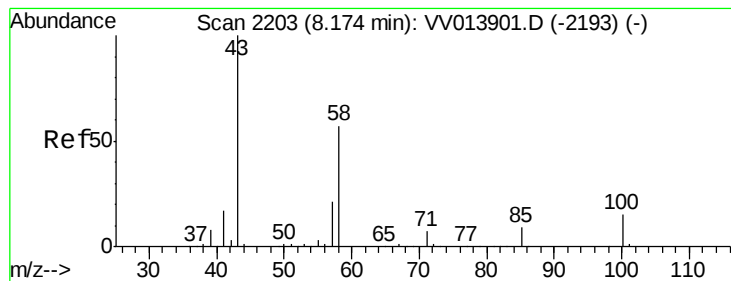
400

200

0

Time-->





#48

2-Hexanone

Concen: 6.399 ug/L

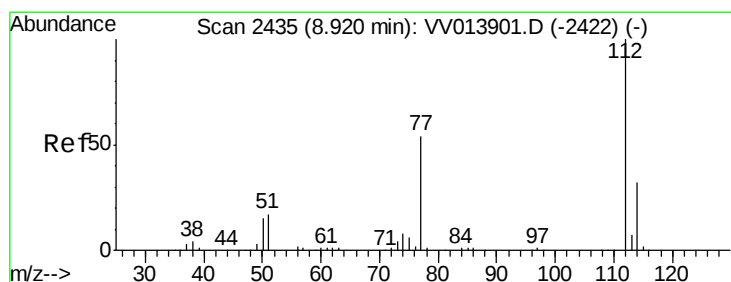
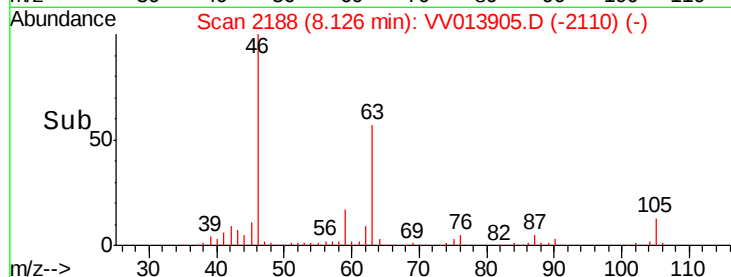
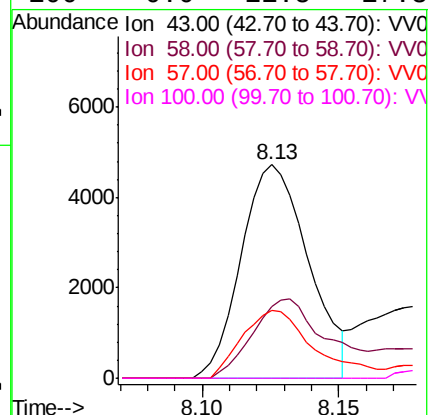
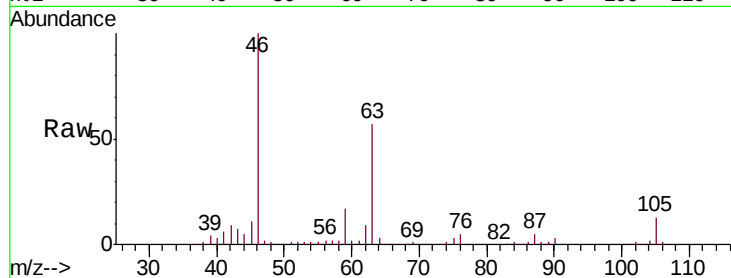
RT: 8.13 min Scan# 2188

Delta R.T. -0.05 min

Lab File: VV013905.D

Acq: 04 Dec 2019 15:51

Tgt Ion:	43	Resp:	8104
Ion	Ratio	Lower	Upper
43	100		
58	41.3	45.6	68.4#
57	34.4	17.0	25.6#
100	0.0	11.5	17.3#



#51

Chlorobenzene

Concen: 58.526 ug/L

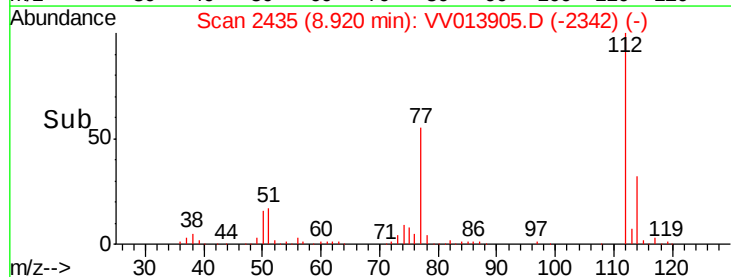
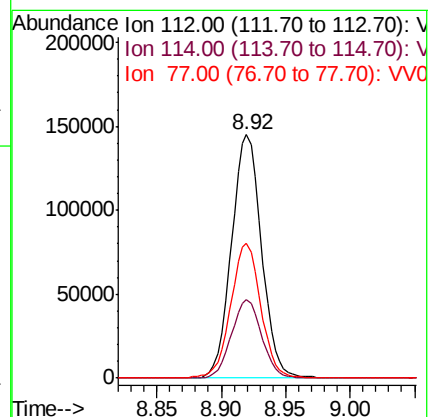
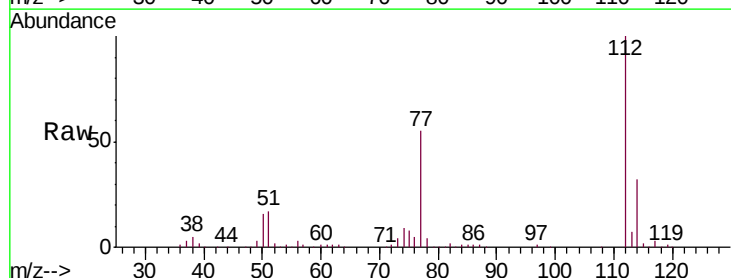
RT: 8.92 min Scan# 2435

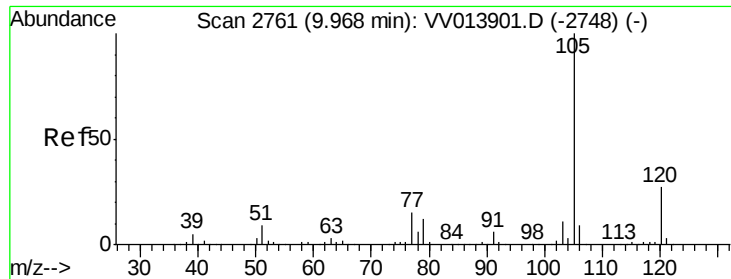
Delta R.T. 0.00 min

Lab File: VV013905.D

Acq: 04 Dec 2019 15:51

Tgt Ion:	112	Resp:	234615
Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.8	42.4
77	55.2	44.7	67.1





#60

Isopropylbenzene

Concen: 0.015 ug/L

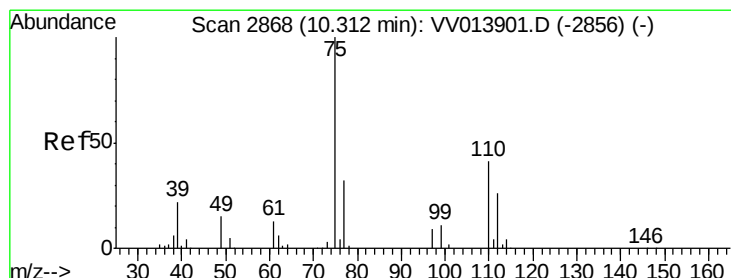
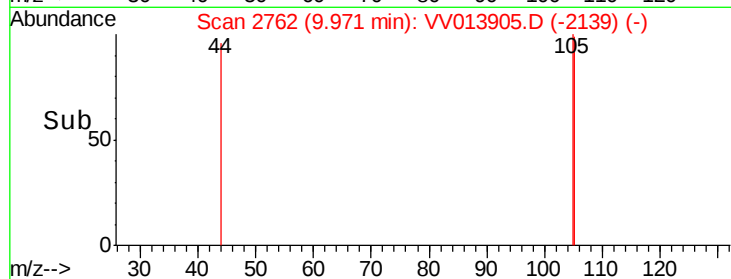
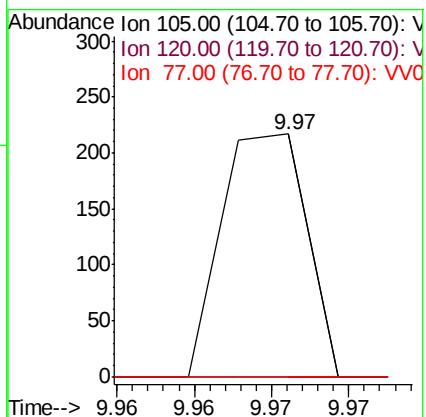
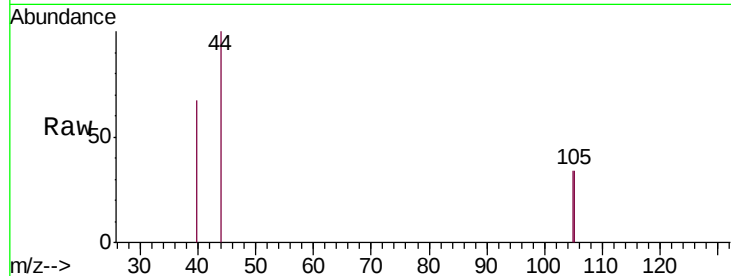
RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013905.D

Acq: 04 Dec 2019 15:51

Tgt Ion:	105	Resp:	83
Ion	Ratio	Lower	Upper
105	100		
120	0.0	21.4	32.0#
77	0.0	11.6	17.4#



#61

1,2,3-Trichloropropane

Concen: 7.248 ug/L

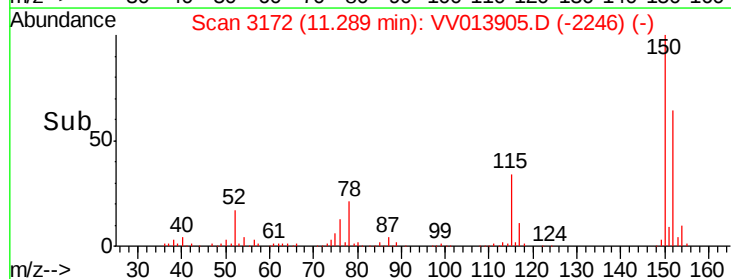
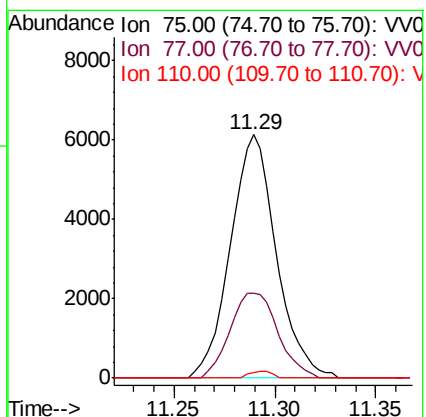
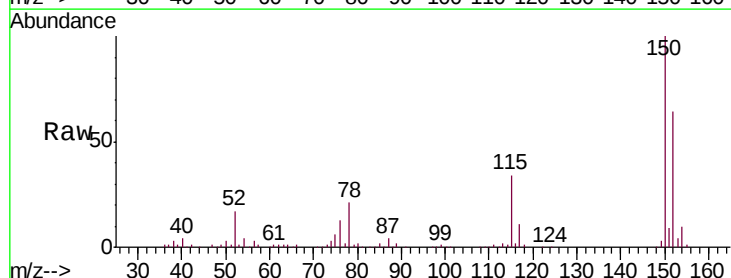
RT: 11.29 min Scan# 3172

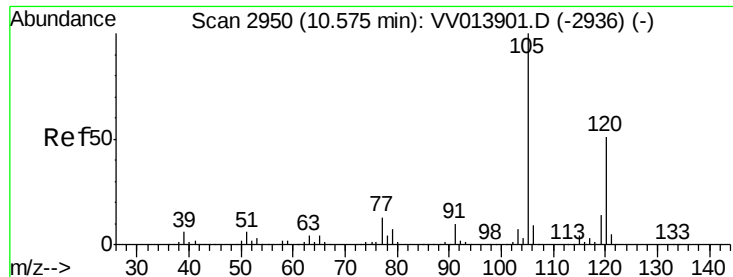
Delta R.T. 0.98 min

Lab File: VV013905.D

Acq: 04 Dec 2019 15:51

Tgt Ion:	75	Resp:	9768
Ion	Ratio	Lower	Upper
75	100		
77	36.5	25.7	38.5
110	1.4	34.2	51.4#

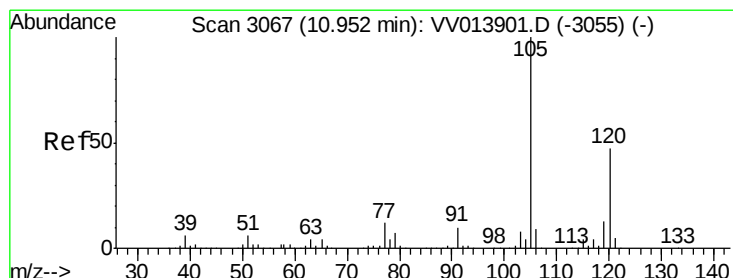
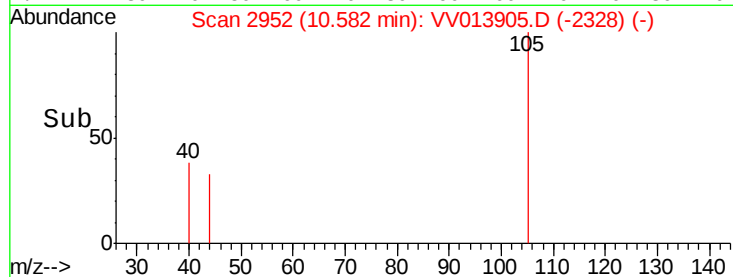
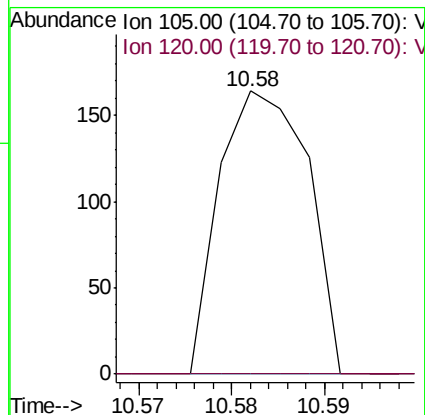
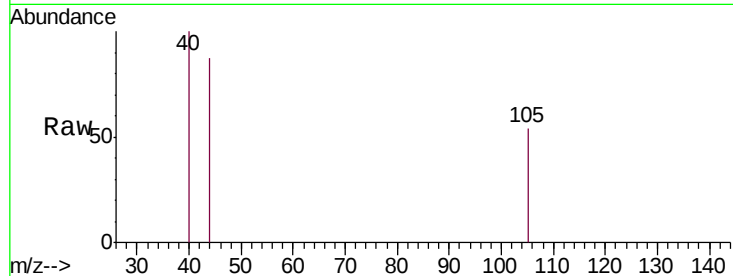




#62

1,3,5-Trimethylbenzene
Concen: 0.023 ug/L
RT: 10.58 min Scan# 2952
Delta R.T. 0.01 min
Lab File: VV013905.D
Acq: 04 Dec 2019 15:51

Tgt Ion:105 Resp: 109
Ion Ratio Lower Upper
105 100
120 0.0 39.2 58.8#



#63

1,2,4-Trimethylbenzene
Concen: 0.036 ug/L
RT: 10.96 min Scan# 3071
Delta R.T. 0.01 min
Lab File: VV013905.D
Acq: 04 Dec 2019 15:51

Tgt Ion:105 Resp: 165
Ion Ratio Lower Upper
105 100
120 0.0 36.7 55.1#

