

Data File : VV013902.D
Acq On : 04 Dec 2019 14:26
Operator : SY/MD
Sample : VV1204WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 05 01:31:17 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	267262	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	269244	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	121018	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69521	47.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.18%
7) Chloroethane-d5	1.56	69	73861	71.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	142.46%#
11) 1,1-Dichloroethene-d2	2.12	63	114733	45.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.60%
21) 2-Butanone-d5	3.92	46	107951	101.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.41%
24) Chloroform-d	4.39	84	148053	40.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.78%
26) 1,2-Dichloroethane-d4	5.07	65	96493	40.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.96%
32) Benzene-d6	5.09	84	305355	39.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.82%
36) 1,2-Dichloropropane-d6	6.11	67	92293	41.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.24%
41) Toluene-d8	7.35	98	264194	35.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	70.72%#
43) trans-1,3-Dichloropropene-	7.66	79	41964	32.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.76%
47) 2-Hexanone-d5	8.12	63	66553	71.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	71.40%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	128274	40.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.10%
66) 1,2-Dichlorobenzene-d4	11.67	152	123389	43.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.70%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	1624	1.212 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1212	1.175 ug/L #	15
16) Methylene chloride	2.53	84	1303	0.884 ug/L	92
25) Chloroform	4.42	83	17780	6.273 ug/L	97
33) Benzene	5.09	78	2407	0.388 ug/L	100
35) Methylcyclohexane	6.11	83	22789	8.888 ug/L #	21
38) Bromodichloromethane	6.55	83	1888	0.794 ug/L #	90
39) cis-1,3-Dichloropropene	7.02	75	2208	0.828 ug/L #	47
44) trans-1,3-Dichloropropene	7.66	75	1969	0.783 ug/L #	67
48) 2-Hexanone	8.18	43	2917	1.989 ug/L #	88
60) Isopropylbenzene	9.98	105	667	0.101 ug/L #	62
61) 1,2,3-Trichloropropane	10.31	75	140	0.085 ug/L #	62
62) 1,3,5-Trimethylbenzene	10.58	105	552	0.096 ug/L	97
63) 1,2,4-Trimethylbenzene	10.58	105	552	0.098 ug/L	92
70) 1,2,4-trichlorobenzene	13.31	180	1692	0.720 ug/L #	93
71) Naphthalene	13.55	128	10249	1.721 ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	2250	0.952 ug/L	90

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

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ALS Vial : 3 Sample Multiplier: 1

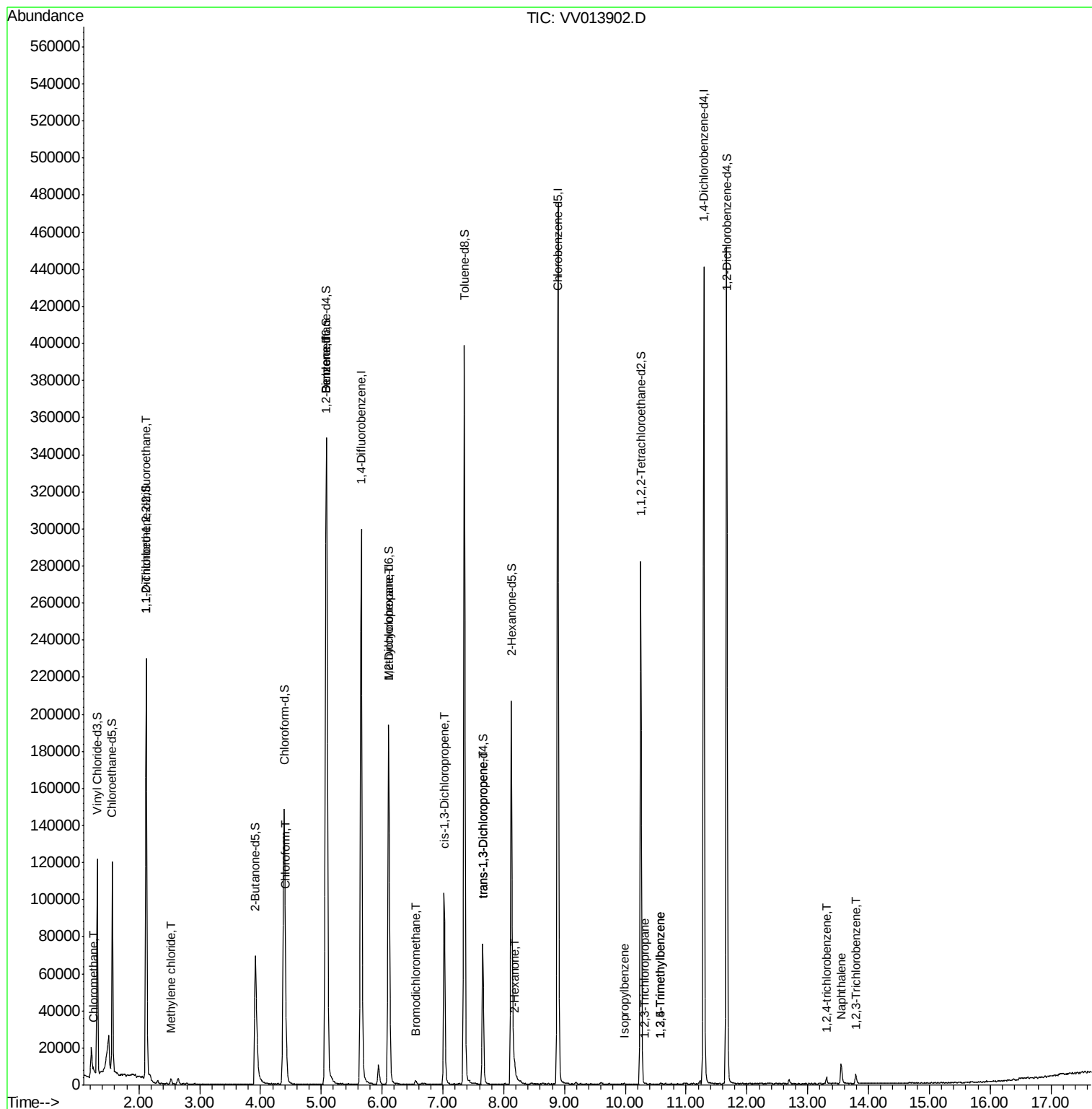
Quant Time: Dec 05 01:31:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
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QLast Update : Thu Dec 05 01:28:56 2019
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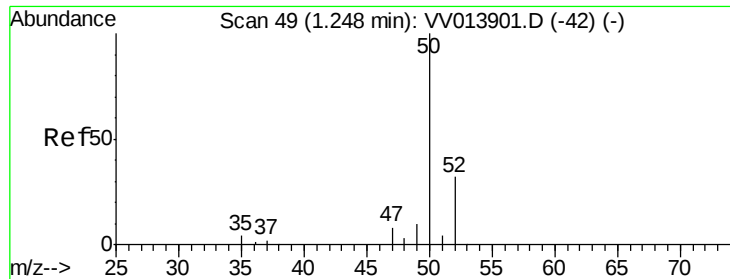
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.212 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV013902.D

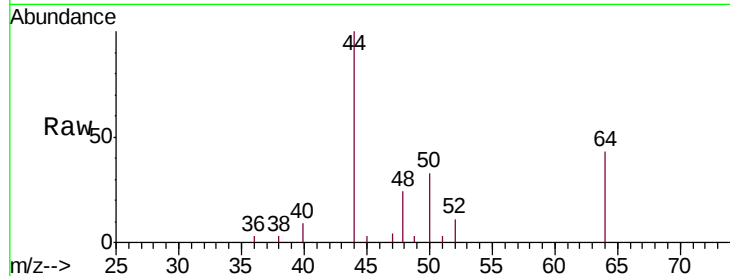
Acq: 04 Dec 2019 14:26

Tgt Ion: 50 Resp: 1624

Ion Ratio Lower Upper

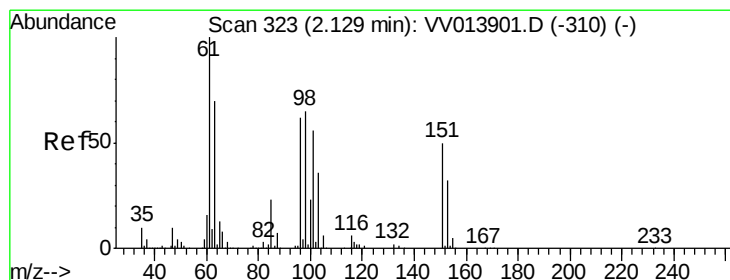
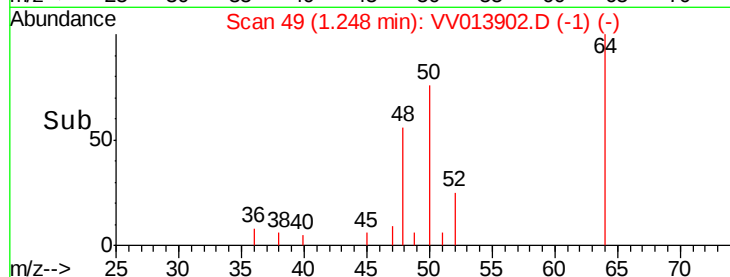
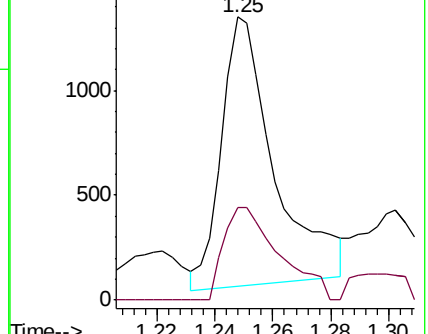
50 100

52 32.6 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.175 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV013902.D

Acq: 04 Dec 2019 14:26

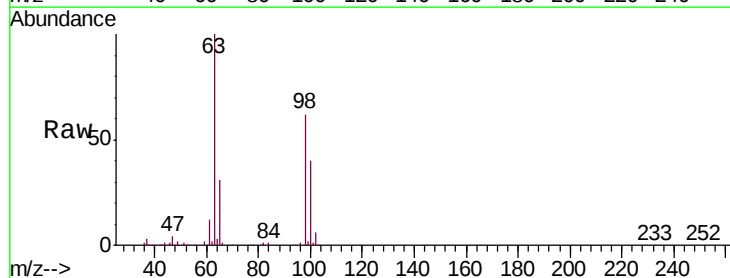
Tgt Ion: 101 Resp: 1212

Ion Ratio Lower Upper

101 100

85 0.0 34.4 51.6#

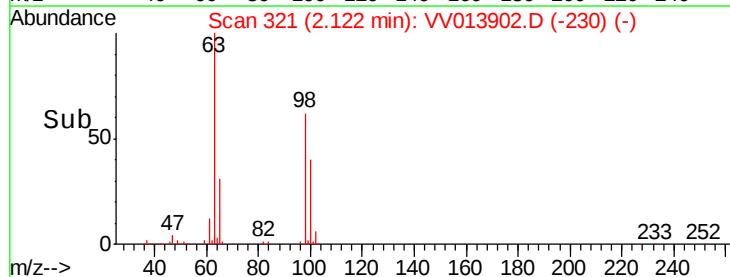
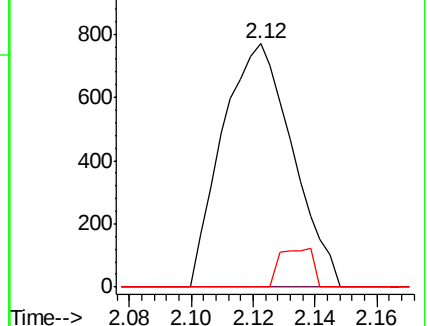
151 1.9 72.2 108.2#

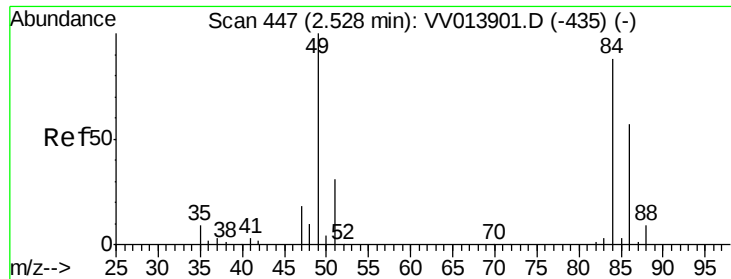


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

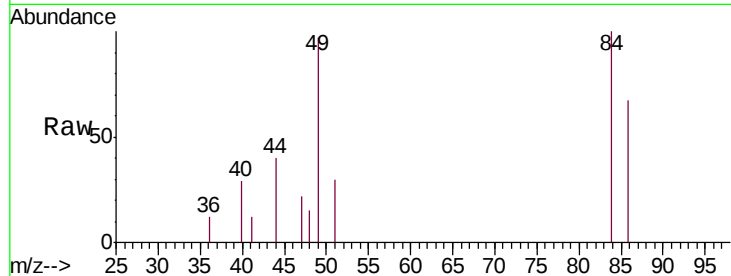
Ion 151.00 (150.70 to 151.70): V



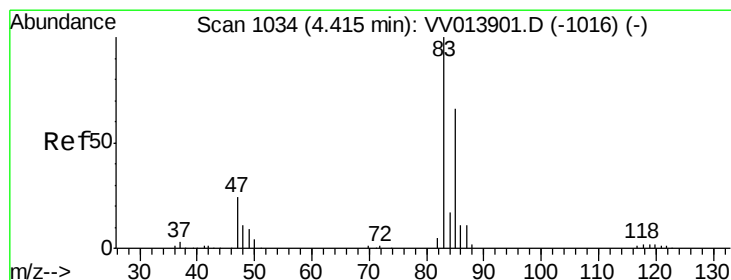
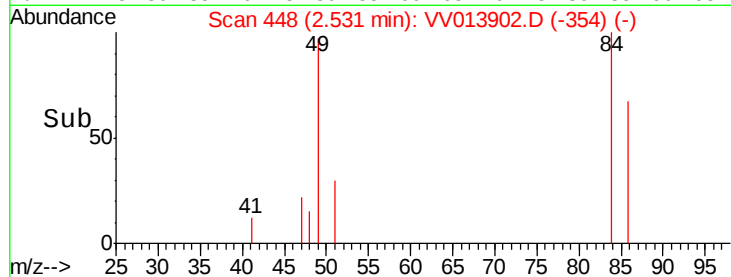
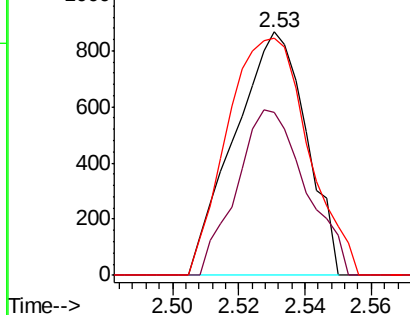


#16
Methylene chloride
Concen: 0.884 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV013902.D
Acq: 04 Dec 2019 14:26

Tgt Ion:	84	Resp:	1303
Ion	Ratio	Lower	Upper
84	100		
86	67.0	45.7	84.9
49	97.2	76.6	142.2

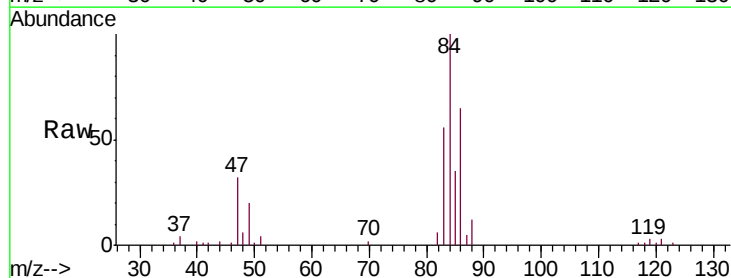


Abundance Ion 84.00 (83.70 to 84.70): VV013902.D (-354) (-)
Ion 86.00 (85.70 to 86.70): VV013902.D (-354) (-)
Ion 49.00 (48.70 to 49.70): VV013902.D (-354) (-)

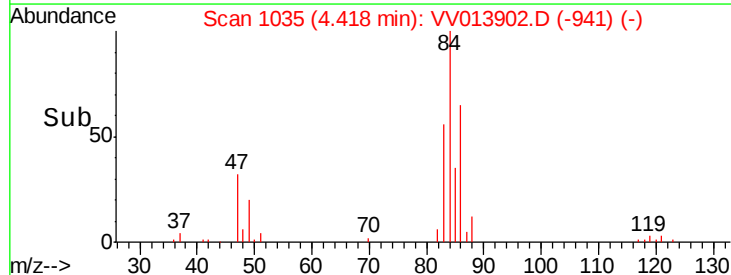
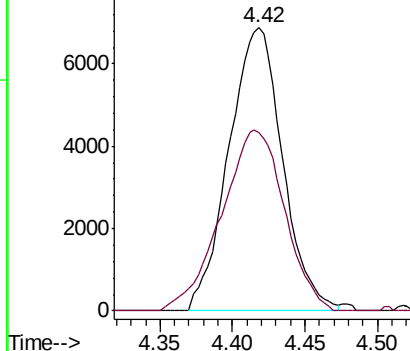


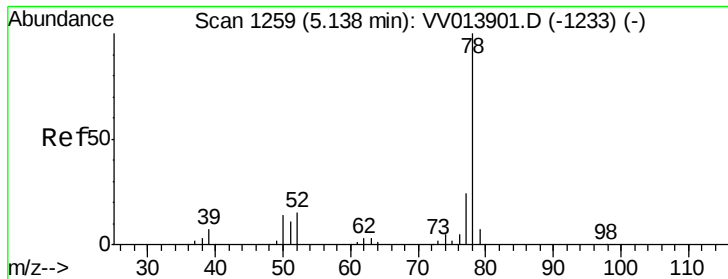
#25
Chloroform
Concen: 6.273 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV013902.D
Acq: 04 Dec 2019 14:26

Tgt Ion:	83	Resp:	17780
Ion	Ratio	Lower	Upper
83	100		
85	63.0	45.8	85.2



Abundance Ion 83.00 (82.70 to 83.70): VV013902.D (-941) (-)
Ion 85.00 (84.70 to 85.70): VV013902.D (-941) (-)





#33

Benzene

Concen: 0.388 ug/L

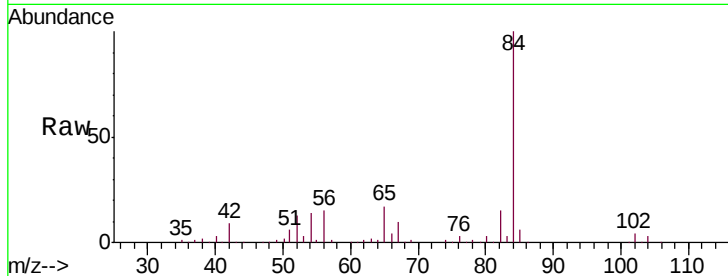
RT: 5.09 min Scan# 1243

Delta R.T. -0.05 min

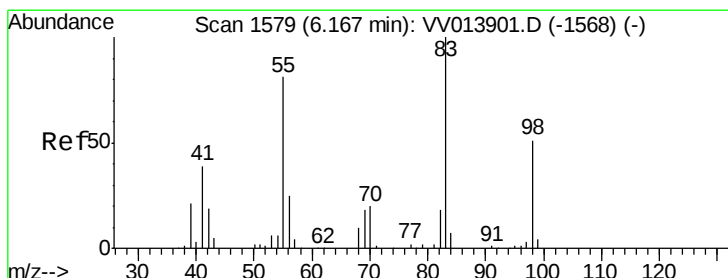
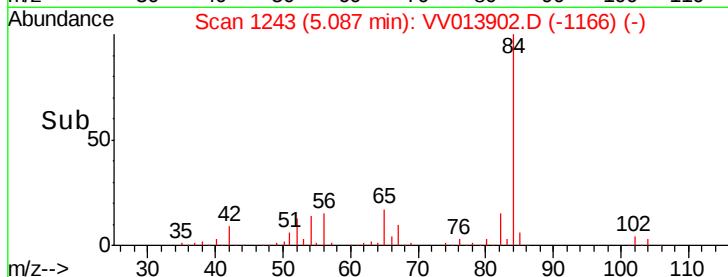
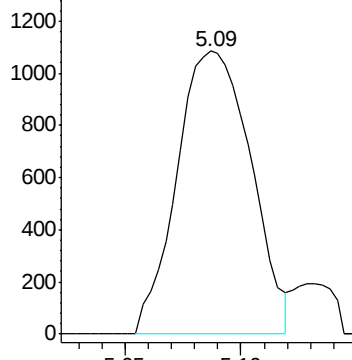
Lab File: VV013902.D

Acq: 04 Dec 2019 14:26

Tgt Ion: 78 Resp: 2407



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Methylcyclohexane

Concen: 8.888 ug/L

RT: 6.11 min Scan# 1560

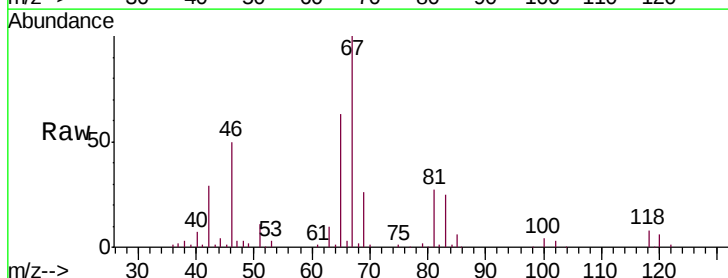
Delta R.T. -0.06 min

Lab File: VV013902.D

Acq: 04 Dec 2019 14:26

Tgt Ion: 83 Resp: 22789

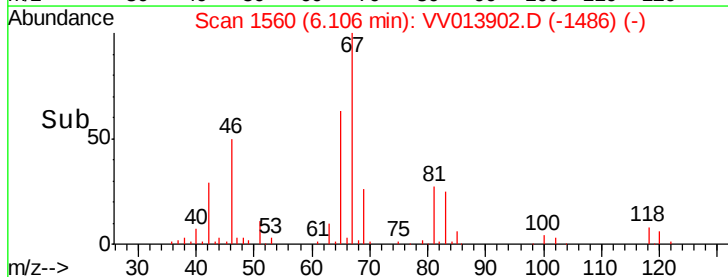
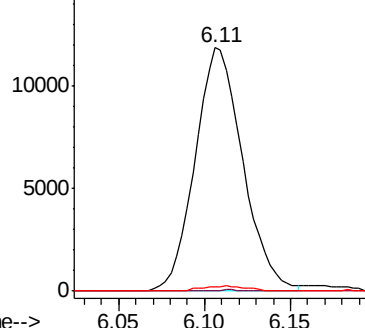
Ion	Ratio	Lower	Upper
83	100		
55	0.2	55.5	83.3#
98	0.7	38.5	57.7#

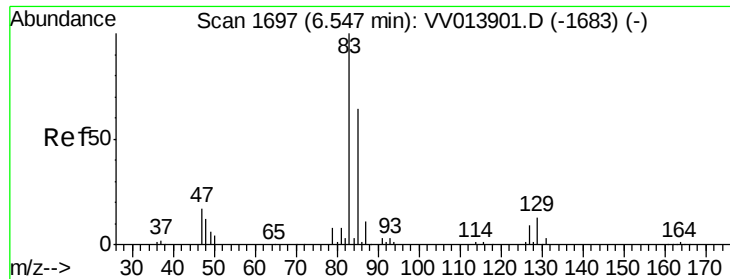


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#38

Bromodichloromethane

Concen: 0.794 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VV013902.D

Acq: 04 Dec 2019 14:26

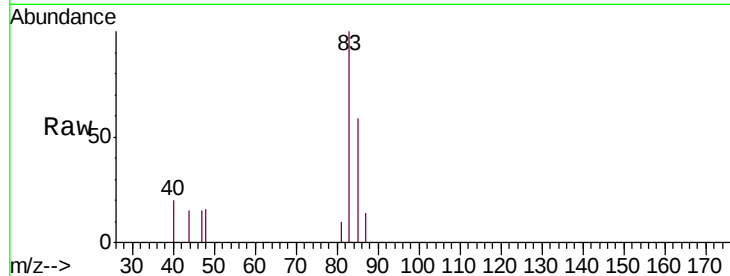
Tgt Ion: 83 Resp: 1888

Ion Ratio Lower Upper

83 100

85 58.9 45.0 83.6

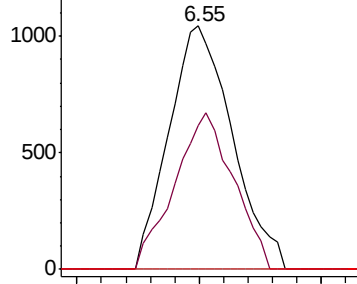
127 0.0 7.9 11.9#



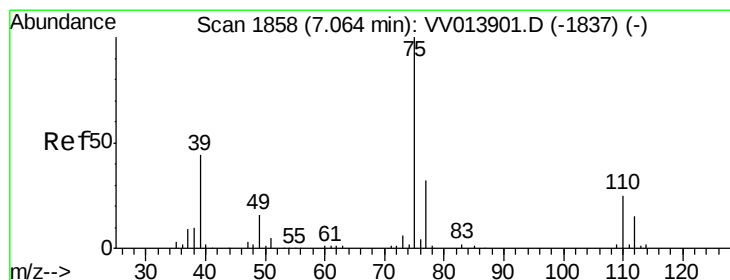
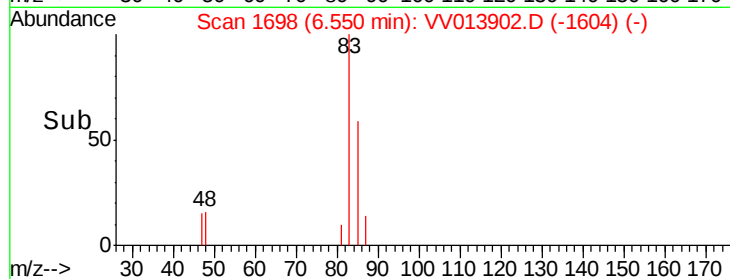
Abundance Ion 83.00 (82.70 to 83.70): VV013902.D (-1683) (-)

Ion 85.00 (84.70 to 85.70): VV013902.D (-1683) (-)

Ion 127.00 (126.70 to 127.70): VV013902.D (-1683) (-)



Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.828 ug/L

RT: 7.02 min Scan# 1845

Delta R.T. -0.04 min

Lab File: VV013902.D

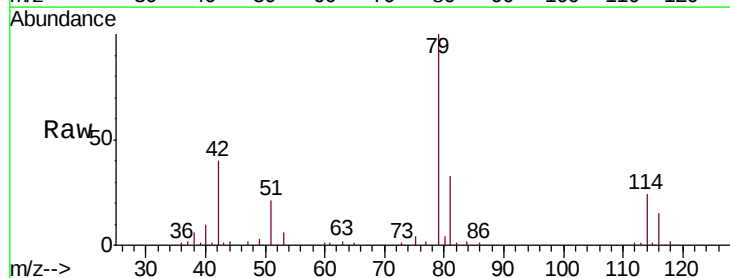
Acq: 04 Dec 2019 14:26

Tgt Ion: 75 Resp: 2208

Ion Ratio Lower Upper

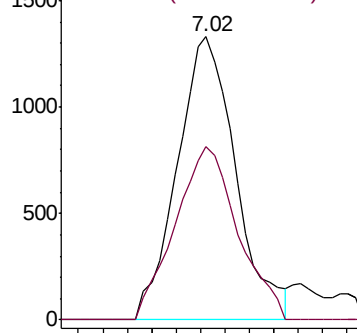
75 100

77 61.2 22.3 41.5#

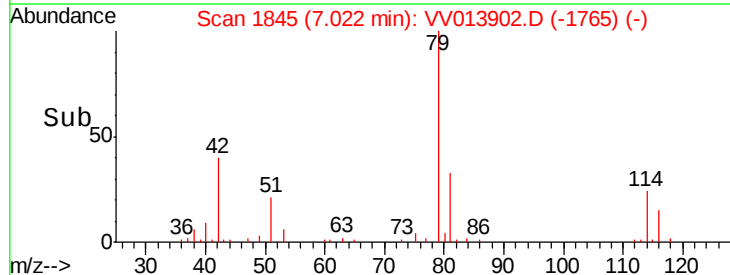


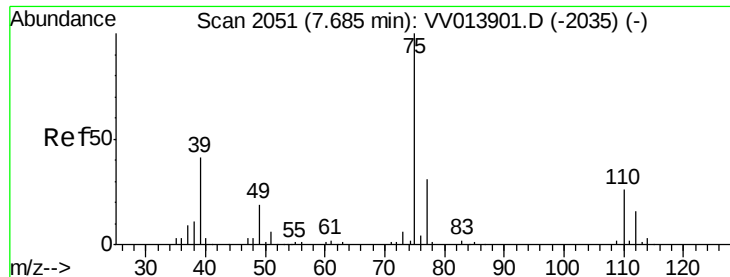
Abundance Ion 75.00 (74.70 to 75.70): VV013902.D (-1765) (-)

Ion 77.00 (76.70 to 77.70): VV013902.D (-1765) (-)



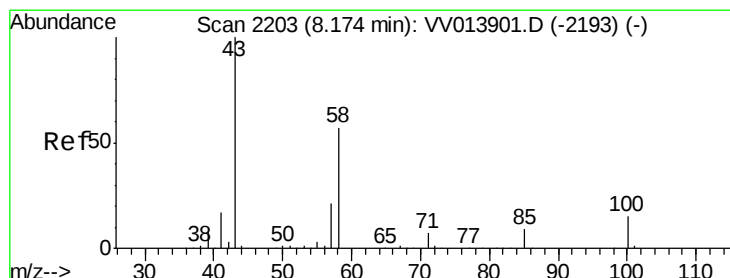
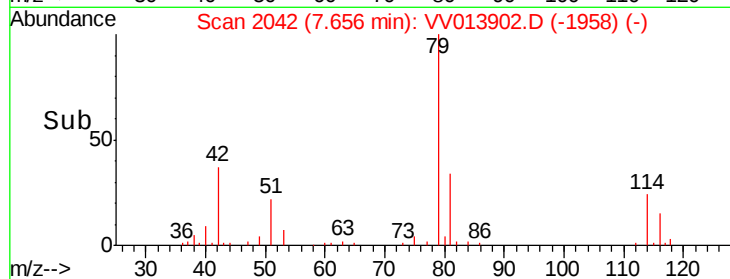
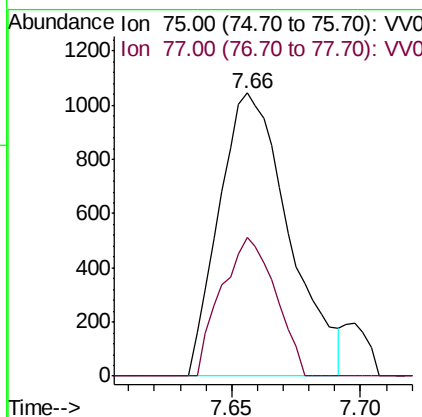
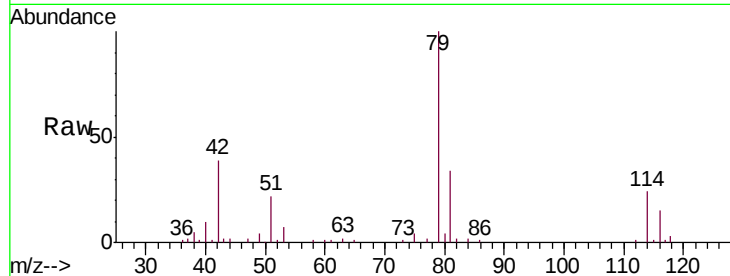
Time-->





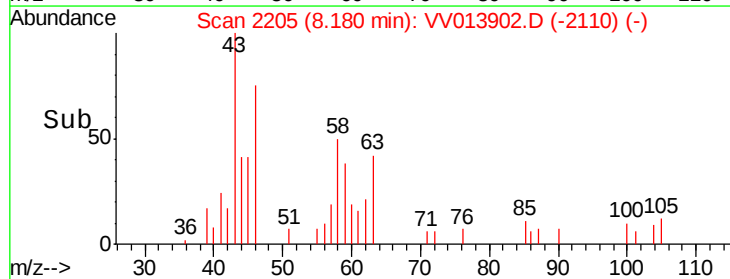
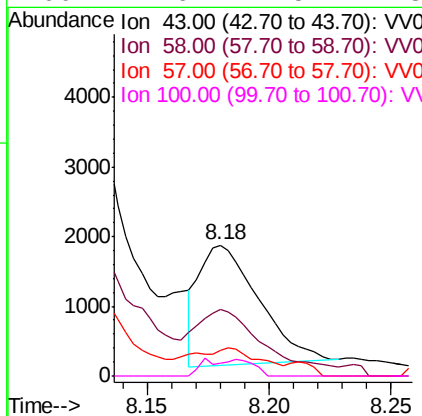
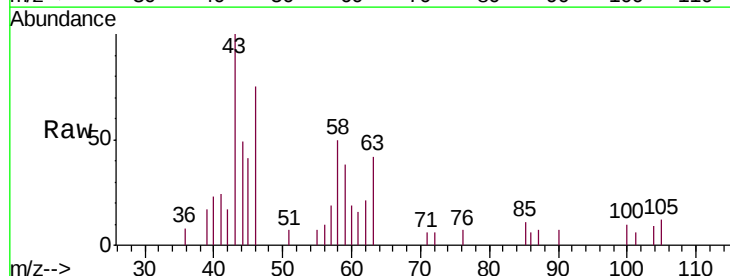
#44
trans-1,3-Dichloropropene
Concen: 0.783 ug/L
RT: 7.66 min Scan# 2042
Delta R.T. -0.03 min
Lab File: VV013902.D
Acq: 04 Dec 2019 14:26

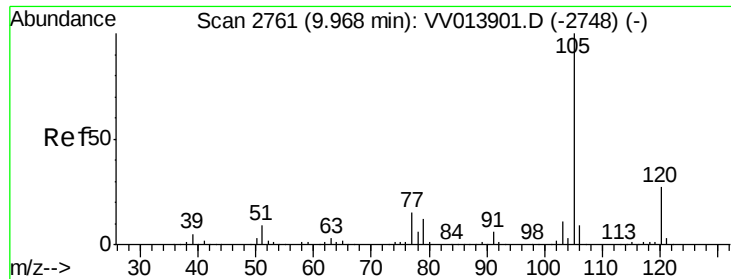
Tgt Ion: 75 Resp: 1969
Ion Ratio Lower Upper
75 100
77 49.2 21.8 40.4#



#48
2-Hexanone
Concen: 1.989 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.01 min
Lab File: VV013902.D
Acq: 04 Dec 2019 14:26

Tgt Ion: 43 Resp: 2917
Ion Ratio Lower Upper
43 100
58 65.6 45.6 68.4
57 16.6 17.0 25.6#
100 7.6 11.5 17.3#





#60

Isopropylbenzene

Concen: 0.101 ug/L

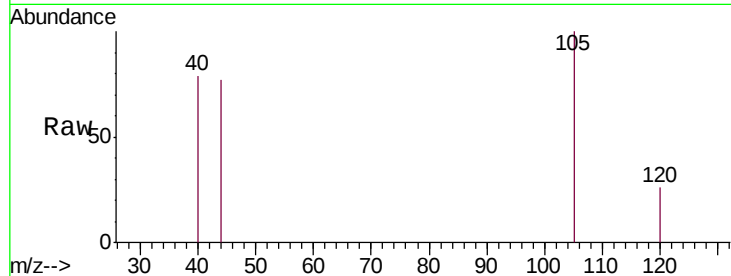
RT: 9.98 min Scan# 2764

Delta R.T. 0.01 min

Lab File: VV013902.D

Acq: 04 Dec 2019 14:26

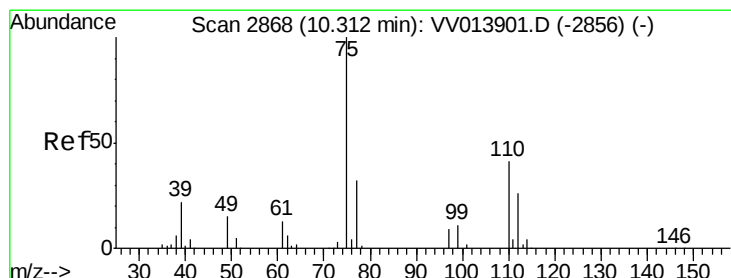
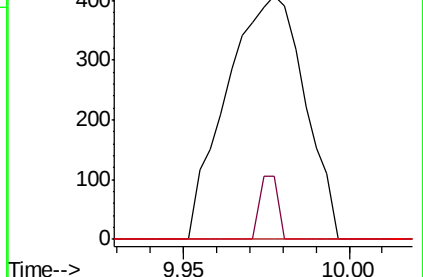
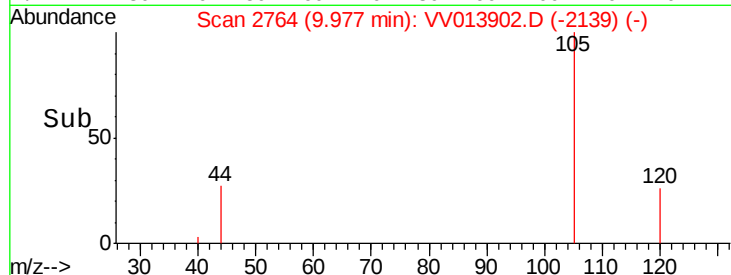
Tgt Ion:	105	Resp:	667
Ion	Ratio	Lower	Upper
105	100		
120	6.1	21.4	32.0#
77	0.0	11.6	17.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 0.085 ug/L

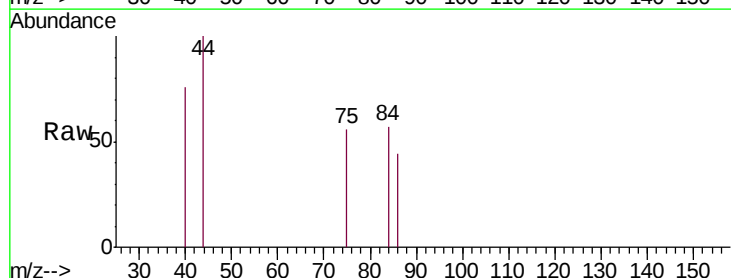
RT: 10.31 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013902.D

Acq: 04 Dec 2019 14:26

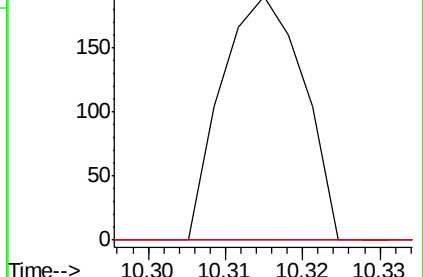
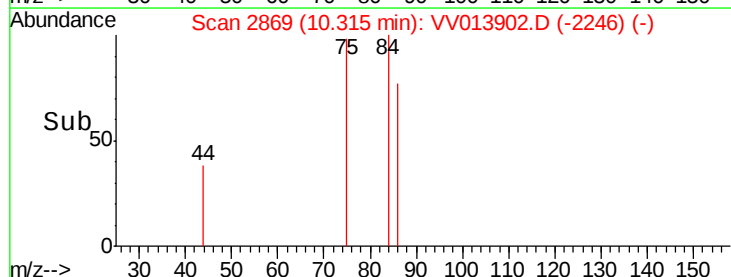
Tgt Ion:	75	Resp:	140
Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.7	38.5
110	0.0	34.2	51.4#

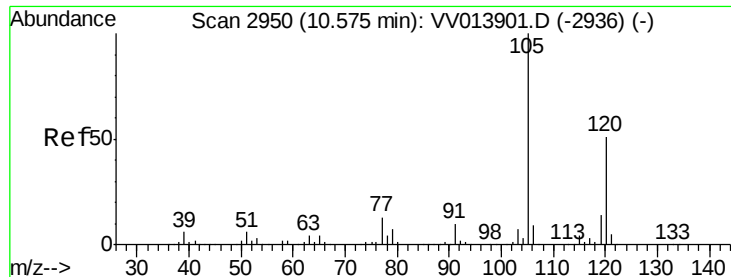


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

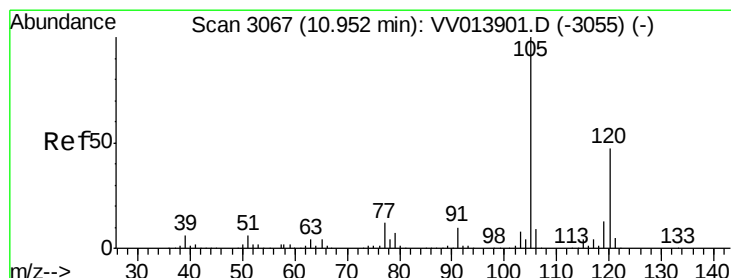
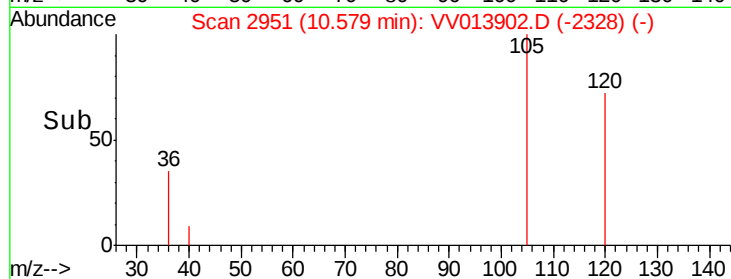
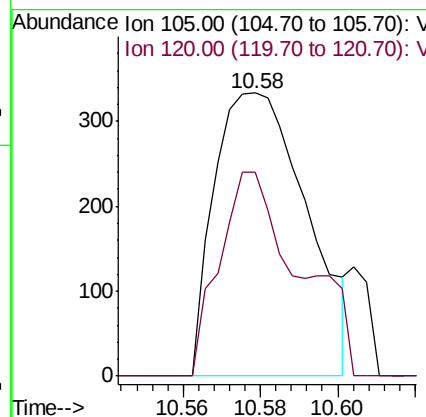
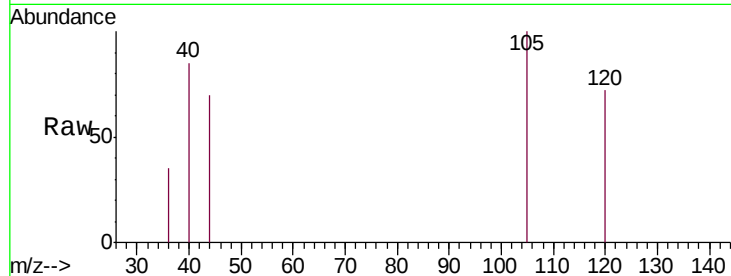
Ion 110.00 (109.70 to 110.70): V





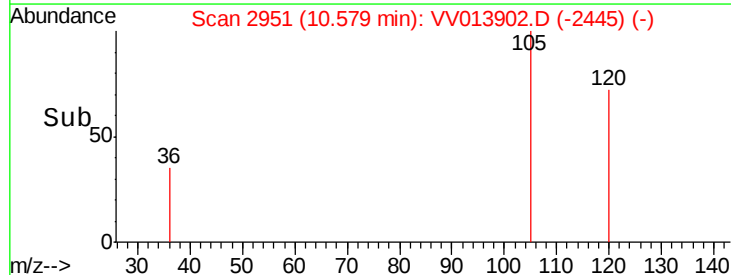
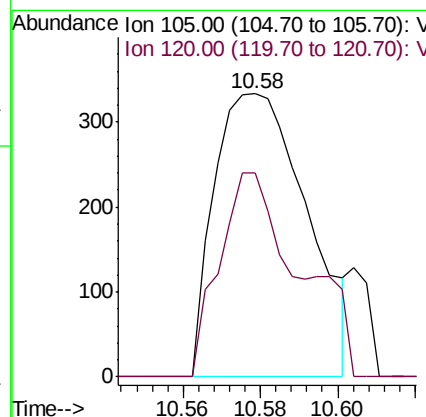
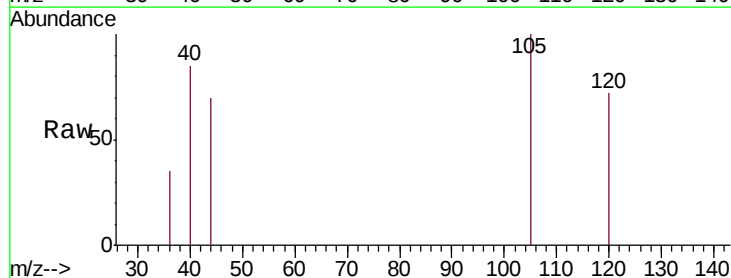
#62
 1,3,5-Trimethylbenzene
 Concen: 0.096 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VV013902.D
 Acq: 04 Dec 2019 14:26

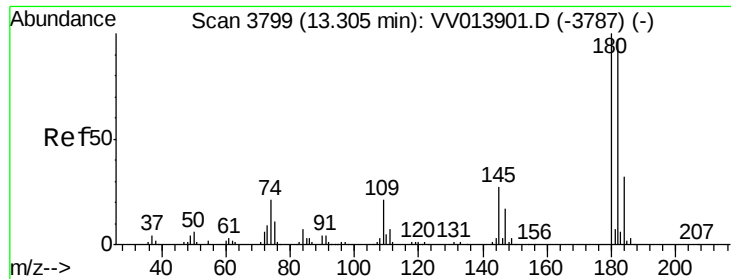
Tgt Ion:105 Resp: 552
 Ion Ratio Lower Upper
 105 100
 120 50.9 39.2 58.8



#63
 1,2,4-Trimethylbenzene
 Concen: 0.098 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. -0.37 min
 Lab File: VV013902.D
 Acq: 04 Dec 2019 14:26

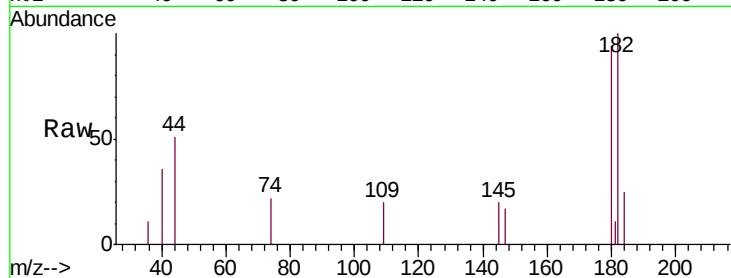
Tgt Ion:105 Resp: 552
 Ion Ratio Lower Upper
 105 100
 120 50.9 36.7 55.1



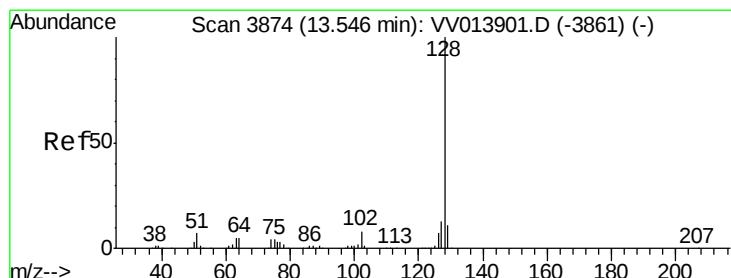
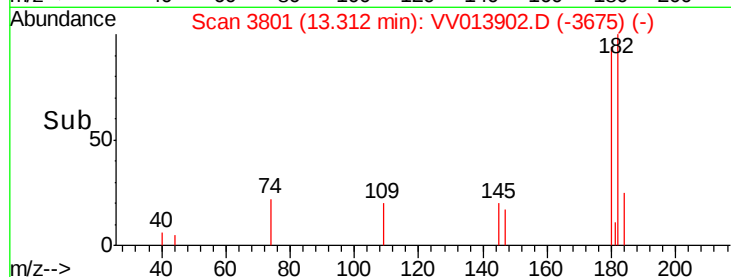
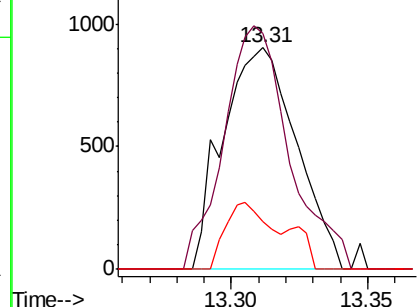


#70
 1,2,4-trichlorobenzene
 Concen: 0.720 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.01 min
 Lab File: VV013902.D
 Acq: 04 Dec 2019 14:26

Tgt Ion: 180 Resp: 1692
 Ion Ratio Lower Upper
 180 100
 182 97.9 76.5 114.7
 145 18.1 23.3 34.9#

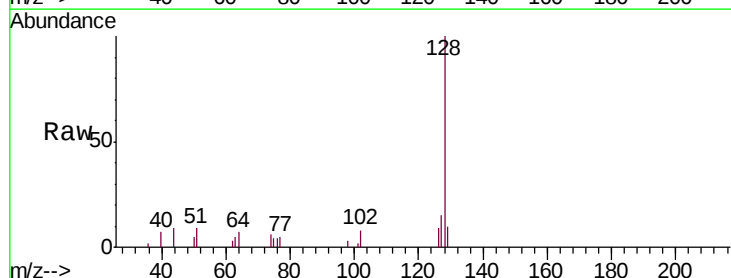


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

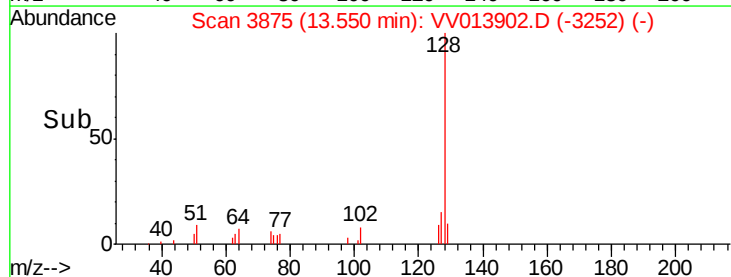
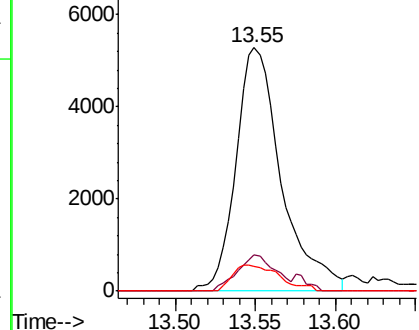


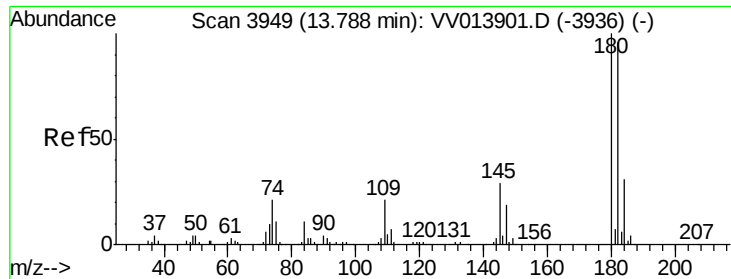
#71
 Naphthalene
 Concen: 1.721 ug/L
 RT: 13.55 min Scan# 3875
 Delta R.T. 0.00 min
 Lab File: VV013902.D
 Acq: 04 Dec 2019 14:26

Tgt Ion: 128 Resp: 10249
 Ion Ratio Lower Upper
 128 100
 127 12.4 10.6 15.8
 129 10.6 8.6 12.8



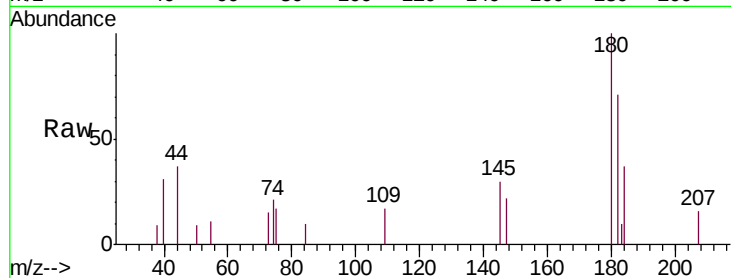
Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#72
 1,2,3-Trichlorobenzene
 Concen: 0.952 ug/L
 RT: 13.79 min Scan# 3949
 Delta R.T. -0.00 min
 Lab File: VV013902.D
 Acq: 04 Dec 2019 14:26

Tgt Ion:	180	Resp:	2250
Ion	Ratio	Lower	Upper
180	100		
182	85.7	77.2	115.8
145	27.6	24.6	36.8



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

