

Data File : VV013904.D
Acq On : 04 Dec 2019 15:21
Operator : SY/MD
Sample : K4649-06DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 05 01:31:46 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	266576	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	241653	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	114695	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71014	48.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.46%
7) Chloroethane-d5	1.57	69	73926	71.47	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	142.94%#
11) 1,1-Dichloroethene-d2	2.13	63	112539	44.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.10%
21) 2-Butanone-d5	3.92	46	101667	95.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.76%
24) Chloroform-d	4.40	84	147374	40.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.62%
26) 1,2-Dichloroethane-d4	5.07	65	96222	40.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.94%
32) Benzene-d6	5.09	84	306091	44.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.02%
36) 1,2-Dichloropropane-d6	6.11	67	92817	46.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.16%
41) Toluene-d8	7.35	98	265056	39.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.06%#
43) trans-1,3-Dichloropropene-	7.66	79	41858	36.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.10%
47) 2-Hexanone-d5	8.13	63	56511	67.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	67.55%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	126321	44.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.98%
66) 1,2-Dichlorobenzene-d4	11.67	152	118555	43.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.90%

Target Compounds

						Qvalue
3) Chloromethane	1.25	50	1339	1.002	ug/L	96
8) Chloroethane	1.44	64	1827	2.703	ug/L #	56
9) Trichlorofluoromethane	2.13	101	1142	0.544	ug/L #	42
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1255	1.220	ug/L #	14
12) 1,1-Dichloroethene	2.13	96	1145	1.182	ug/L #	1
13) Acetone	2.19	43	3272	4.520	ug/L	99
16) Methylene chloride	2.53	84	1502	1.022	ug/L	95
27) 1,2-Dichloroethane	5.09	62	1542	0.702	ug/L #	74
33) Benzene	5.09	78	2379	0.428	ug/L	100
34) Trichloroethene	5.96	95	91788	59.366	ug/L	96
37) 1,2-Dichloropropane	6.11	63	9986	7.360	ug/L #	84
39) cis-1,3-Dichloropropene	7.03	75	2616	1.094	ug/L #	73
44) trans-1,3-Dichloropropene	7.66	75	1687	0.747	ug/L	88
48) 2-Hexanone	8.18	43	2750	2.089	ug/L #	77
60) Isopropylbenzene	9.97	105	106	0.017	ug/L #	54
61) 1,2,3-Trichloropropane	11.23	75	45	0.029	ug/L #	37
62) 1,3,5-Trimethylbenzene	10.58	105	142	0.026	ug/L #	28

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

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ALS Vial : 5 Sample Multiplier: 1

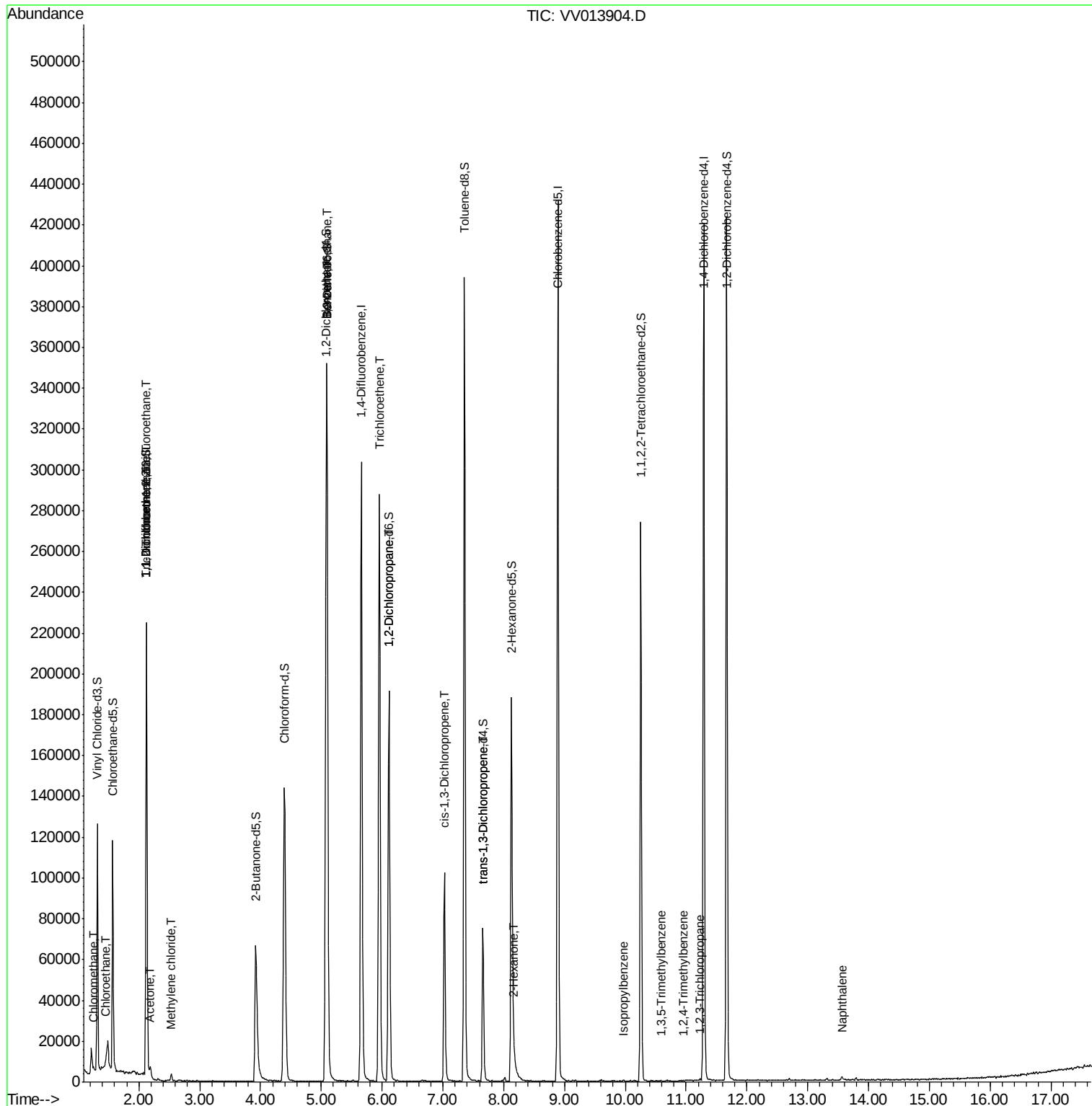
Quant Time: Dec 05 01:31:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 05 01:28:56 2019
Response via : Initial Calibration

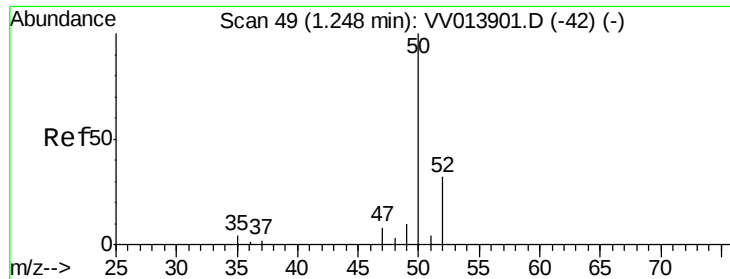
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.95	105	147	0.027	ug/L #	30
71) Naphthalene	13.56	128	2311	0.409	ug/L #	87

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

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Response via : Initial Calibration





#3

Chloromethane

Concen: 1.002 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013904.D

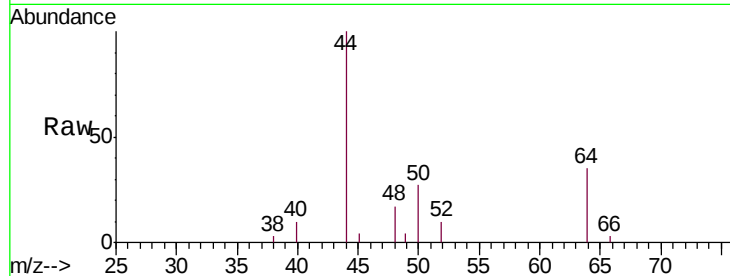
Acq: 04 Dec 2019 15:21

Tgt Ion: 50 Resp: 1339

Ion Ratio Lower Upper

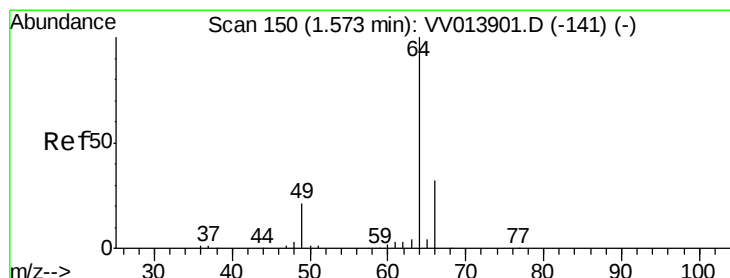
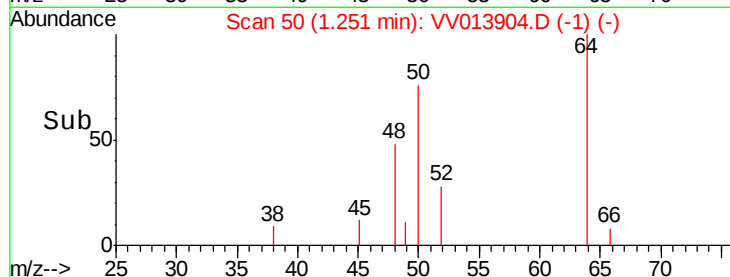
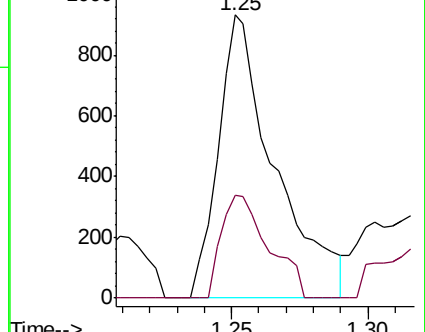
50 100

52 36.3 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



#8

Chloroethane

Concen: 2.703 ug/L

RT: 1.44 min Scan# 110

Delta R.T. -0.13 min

Lab File: VV013904.D

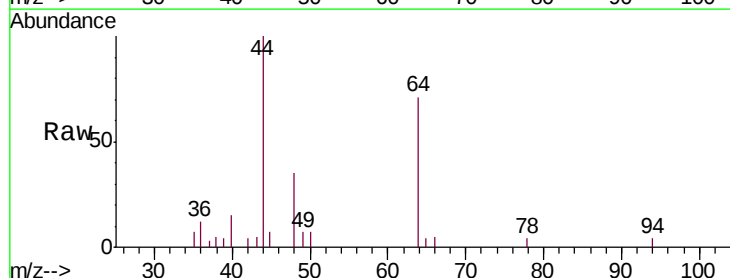
Acq: 04 Dec 2019 15:21

Tgt Ion: 64 Resp: 1827

Ion Ratio Lower Upper

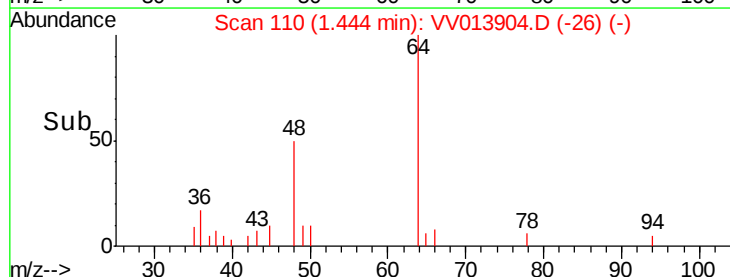
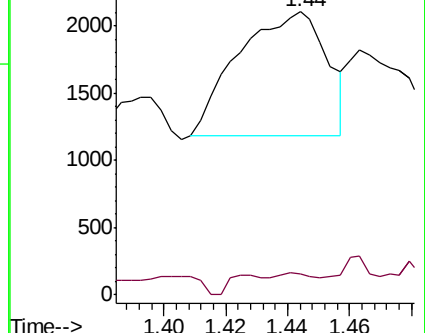
64 100

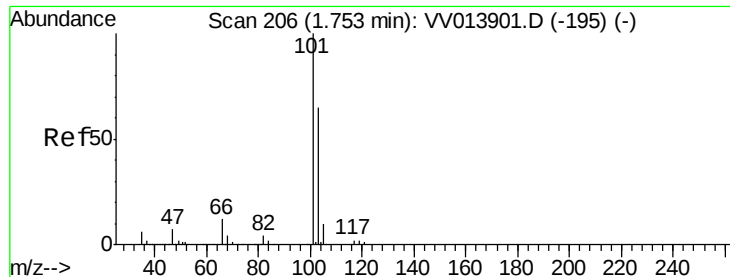
66 7.6 22.6 42.0#



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0

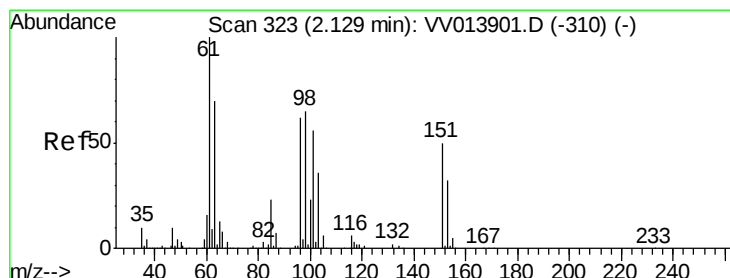
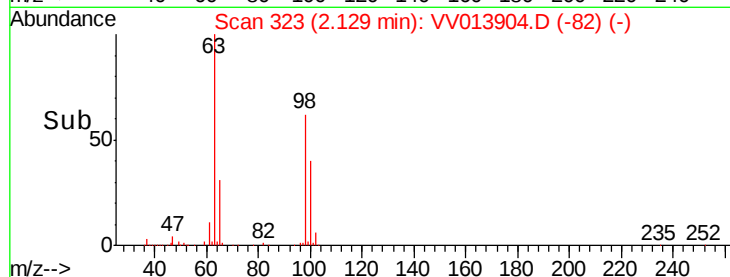
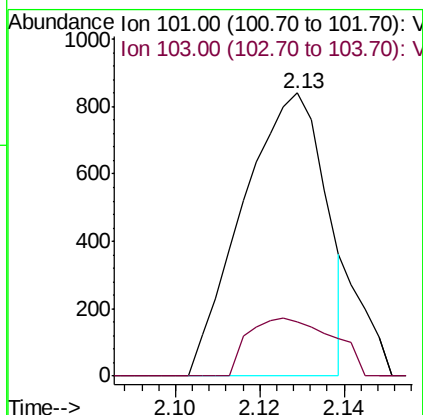
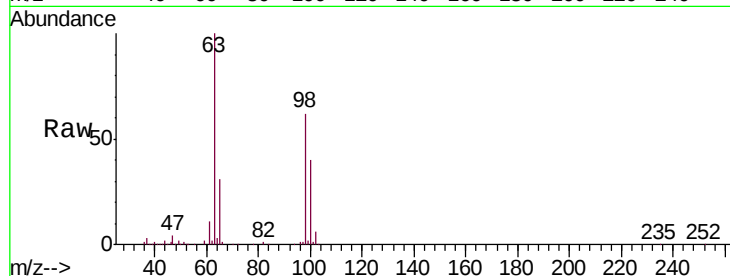




#9

Trichlorofluoromethane
Concen: 0.544 ug/L
RT: 2.13 min Scan# 323
Delta R.T. 0.38 min
Lab File: VV013904.D
Acq: 04 Dec 2019 15:21

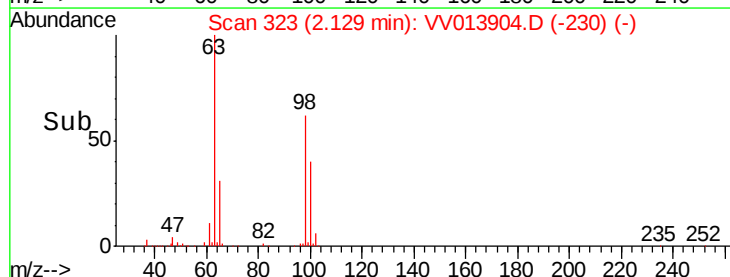
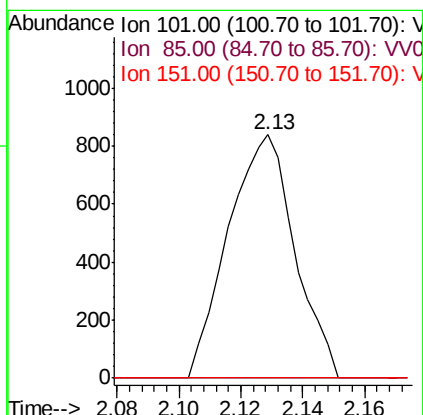
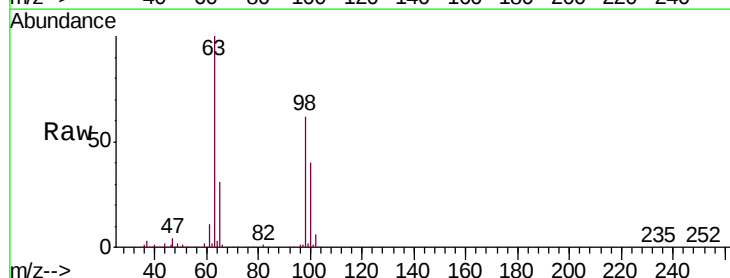
Tgt Ion:101 Resp: 1142
Ion Ratio Lower Upper
101 100
103 19.4 52.5 78.7#

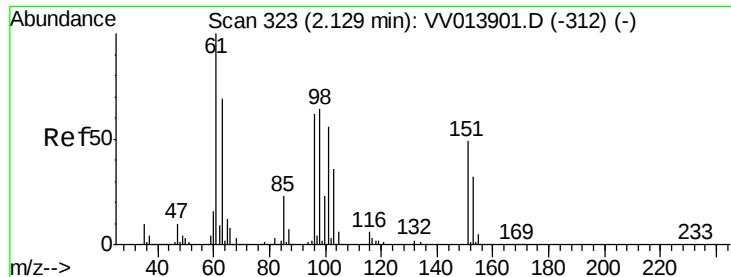


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.220 ug/L
RT: 2.13 min Scan# 323
Delta R.T. 0.00 min
Lab File: VV013904.D
Acq: 04 Dec 2019 15:21

Tgt Ion:101 Resp: 1255
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: 1.182 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV013904.D

Acq: 04 Dec 2019 15:21

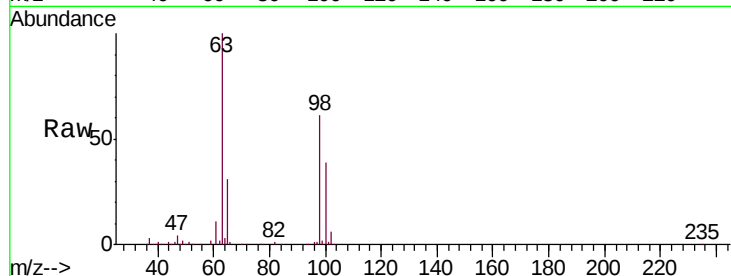
Tgt Ion: 96 Resp: 1145

Ion Ratio Lower Upper

96 100

61 1195.9 120.0 223.0#

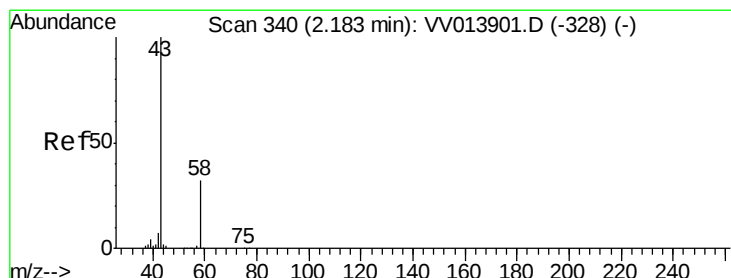
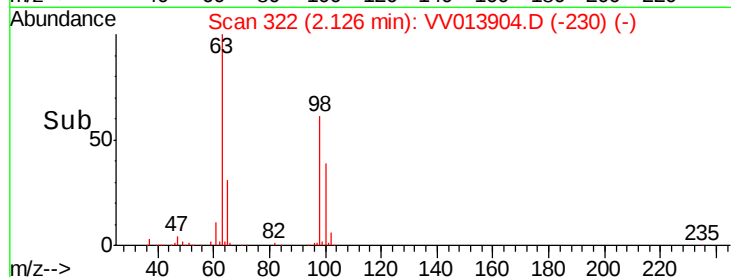
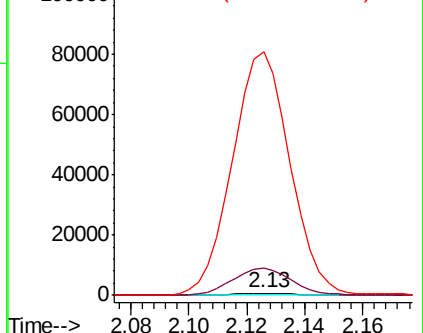
63 10920.0 98.3 182.7#



Abundance Ion 96.00 (95.70 to 96.70): VV013904.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV013904.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV013904.D (-230) (-)



#13

Acetone

Concen: 4.520 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV013904.D

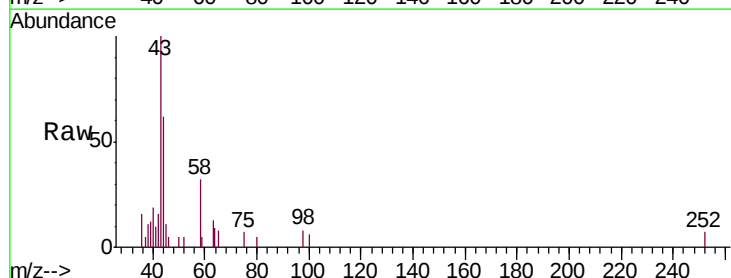
Acq: 04 Dec 2019 15:21

Tgt Ion: 43 Resp: 3272

Ion Ratio Lower Upper

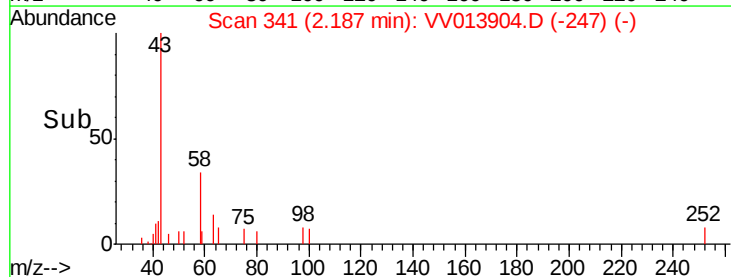
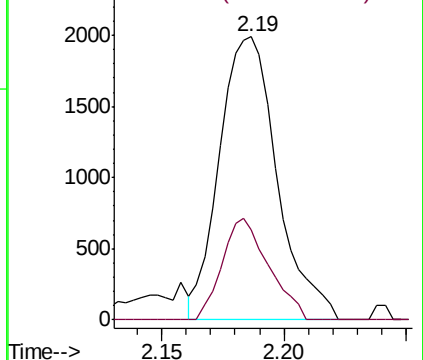
43 100

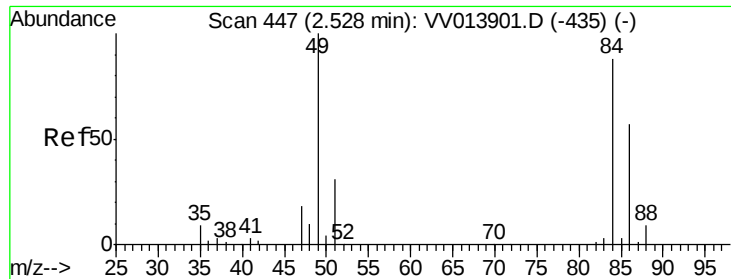
58 29.0 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VV013904.D (-247) (-)

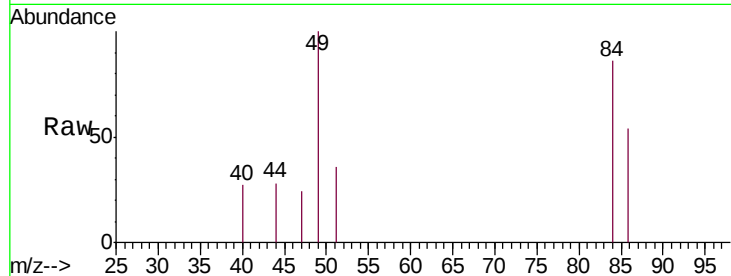
Ion 58.00 (57.70 to 58.70): VV013904.D (-247) (-)



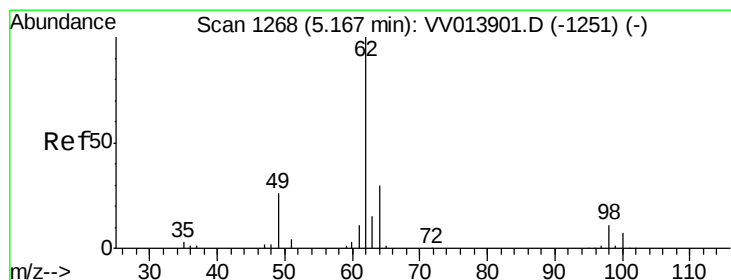
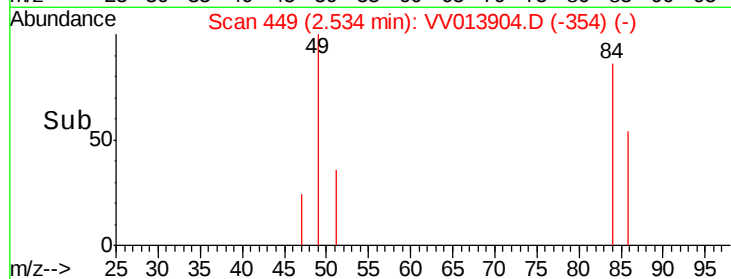
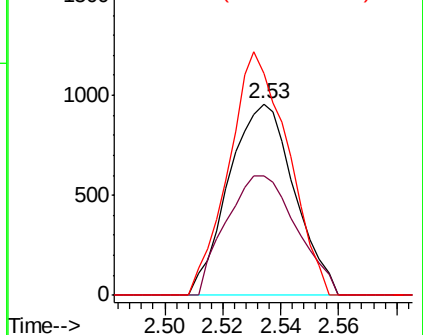


#16
Methylene chloride
Concen: 1.022 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.01 min
Lab File: VV013904.D
Acq: 04 Dec 2019 15:21

Tgt Ion: 84 Resp: 1502
Ion Ratio Lower Upper
84 100
86 62.6 45.7 84.9
49 115.7 76.6 142.2

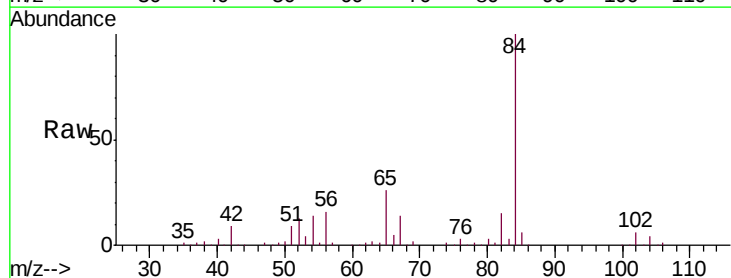


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.00 (48.70 to 49.70): VV0

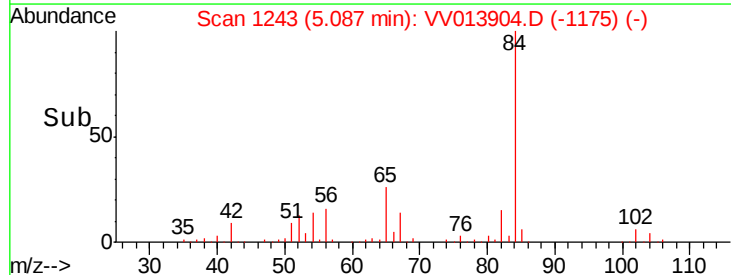
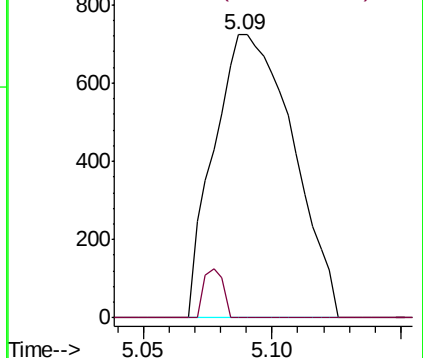


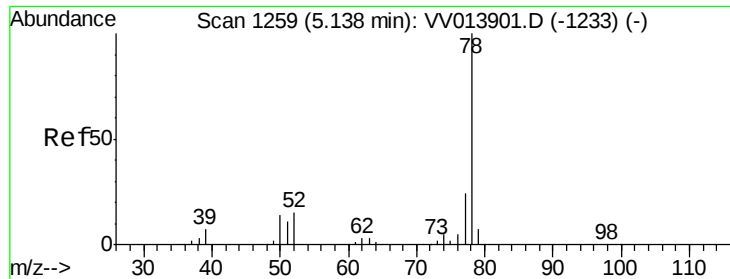
#27
1,2-Dichloroethane
Concen: 0.702 ug/L
RT: 5.09 min Scan# 1243
Delta R.T. -0.08 min
Lab File: VV013904.D
Acq: 04 Dec 2019 15:21

Tgt Ion: 62 Resp: 1542
Ion Ratio Lower Upper
62 100
98 0.0 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.00 (97.70 to 98.70): VV0





#33

Benzene

Concen: 0.428 ug/L

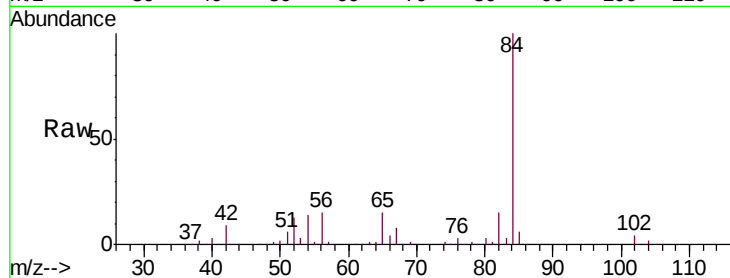
RT: 5.09 min Scan# 1245

Delta R.T. -0.04 min

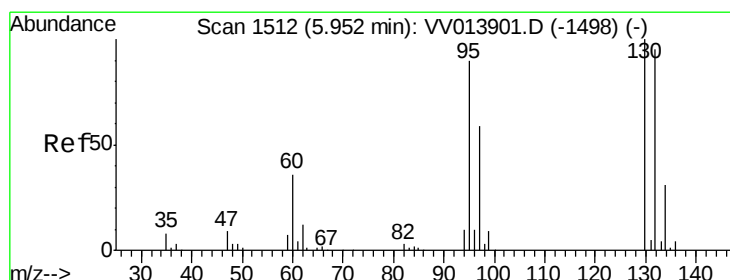
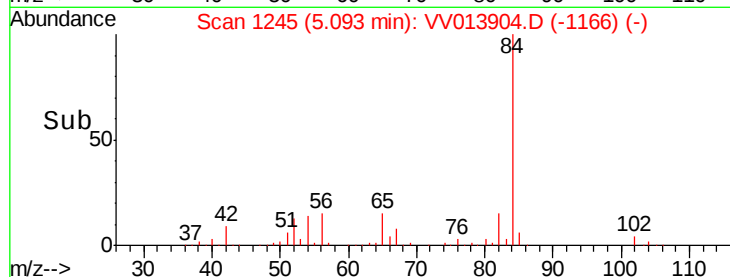
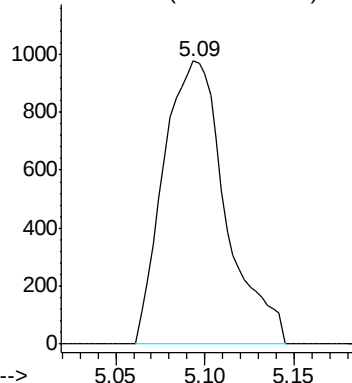
Lab File: VV013904.D

Acq: 04 Dec 2019 15:21

Tgt Ion: 78 Resp: 2379



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 59.366 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013904.D

Acq: 04 Dec 2019 15:21

Tgt Ion: 95 Resp: 91788

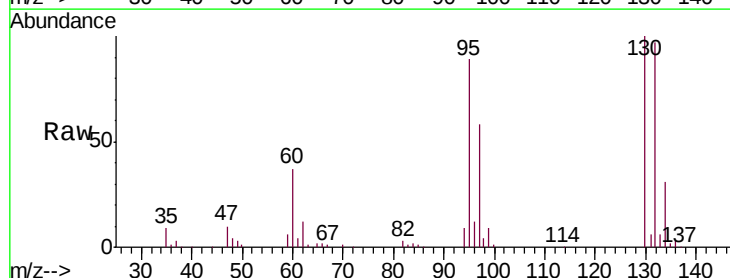
Ion Ratio Lower Upper

95 100

97 64.6 43.4 80.6

132 109.1 73.1 135.8

130 112.1 75.3 139.8

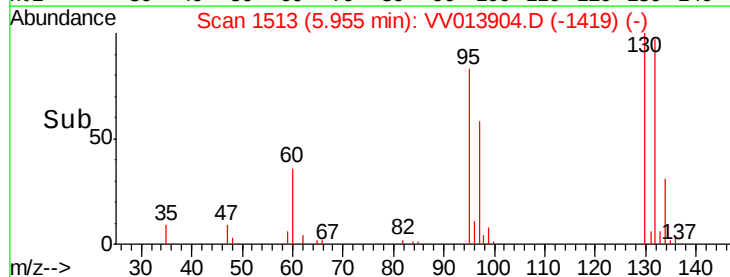
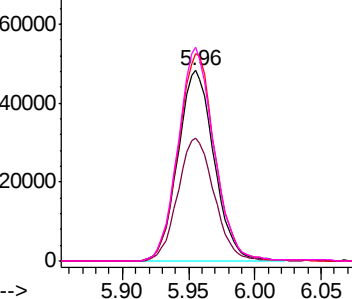


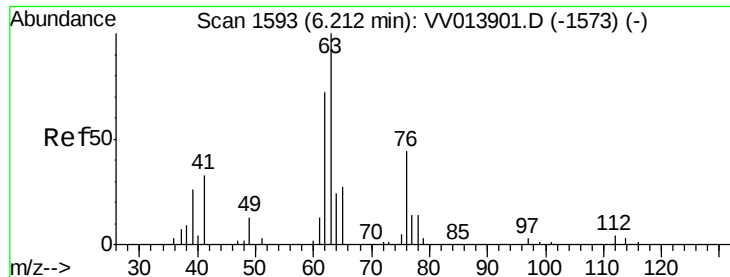
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

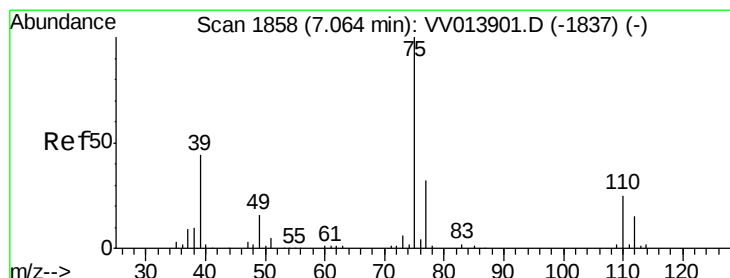
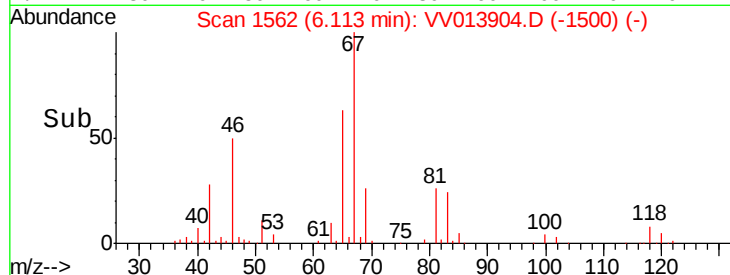
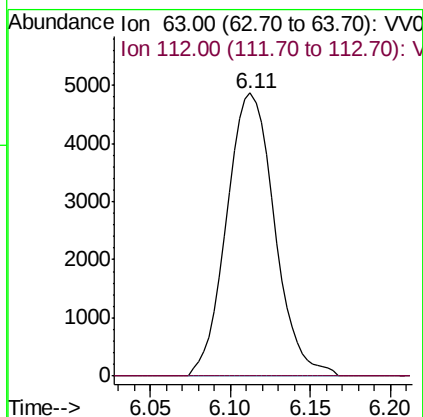
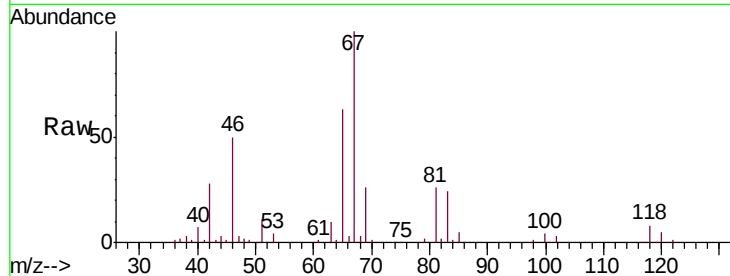
Ion 130.00 (129.70 to 130.70): VV0





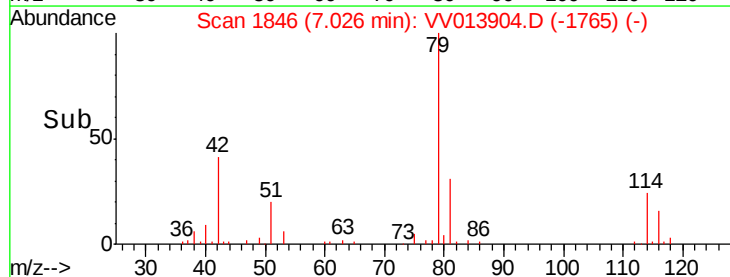
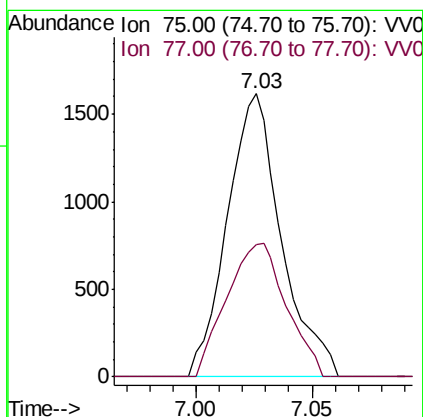
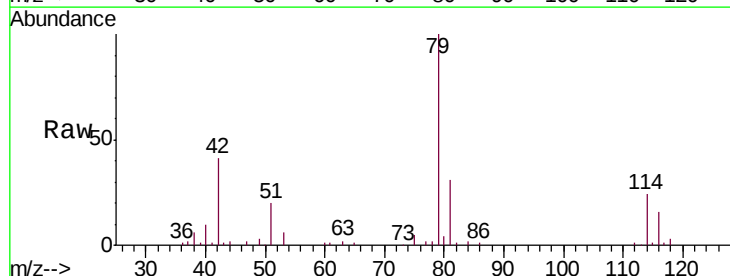
#37
 1,2-Dichloropropane
 Concen: 7.360 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.10 min
 Lab File: VV013904.D
 Acq: 04 Dec 2019 15:21

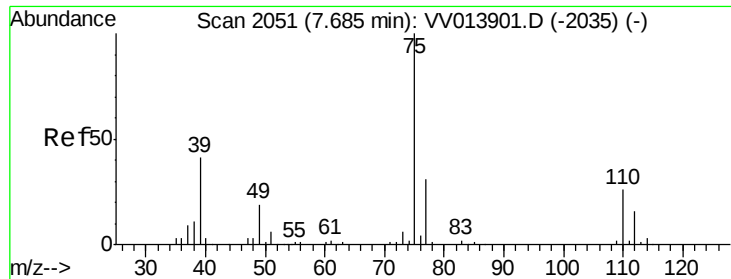
Tgt Ion: 63 Resp: 9986
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.2#



#39
 cis-1,3-Dichloropropene
 Concen: 1.094 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV013904.D
 Acq: 04 Dec 2019 15:21

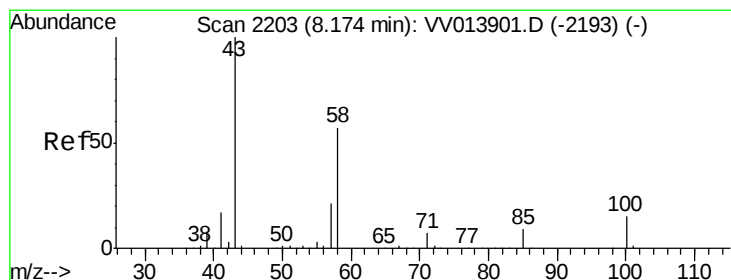
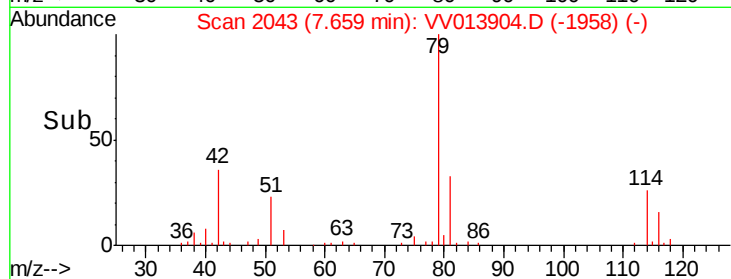
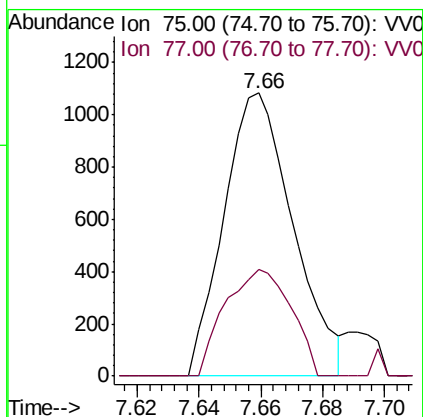
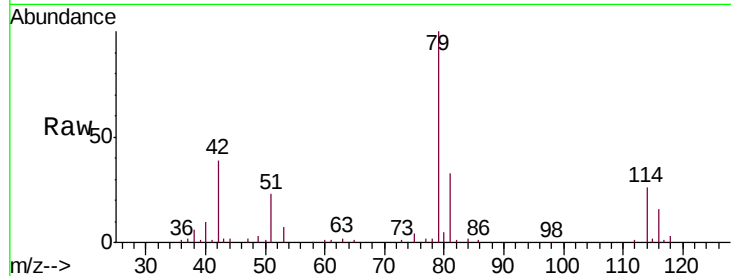
Tgt Ion: 75 Resp: 2616
 Ion Ratio Lower Upper
 75 100
 77 46.8 22.3 41.5#





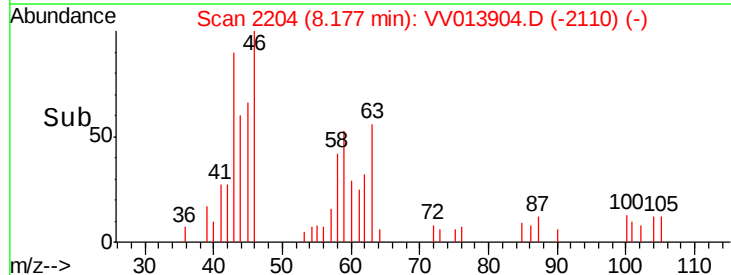
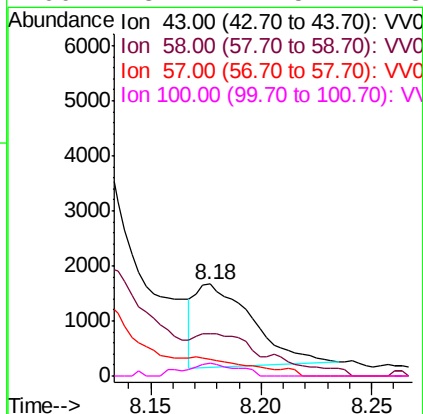
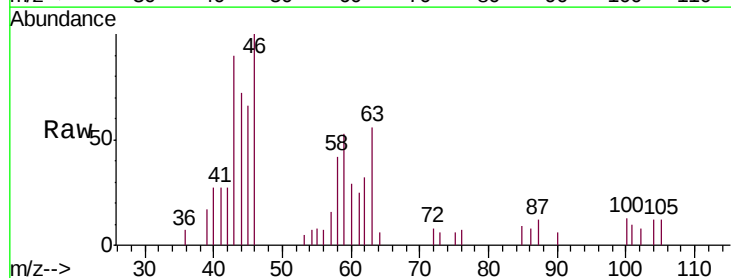
#44
trans-1,3-Dichloropropene
Concen: 0.747 ug/L
RT: 7.66 min Scan# 2043
Delta R.T. -0.03 min
Lab File: VV013904.D
Acq: 04 Dec 2019 15:21

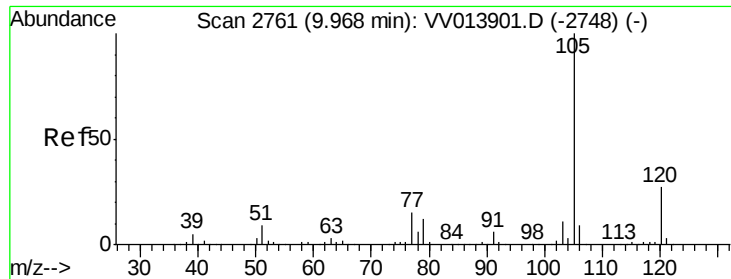
Tgt Ion: 75 Resp: 1687
Ion Ratio Lower Upper
75 100
77 38.0 21.8 40.4



#48
2-Hexanone
Concen: 2.089 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VV013904.D
Acq: 04 Dec 2019 15:21

Tgt Ion: 43 Resp: 2750
Ion Ratio Lower Upper
43 100
58 46.4 45.6 68.4
57 0.0 17.0 25.6#
100 5.1 11.5 17.3#





#60

Isopropylbenzene

Concen: 0.017 ug/L

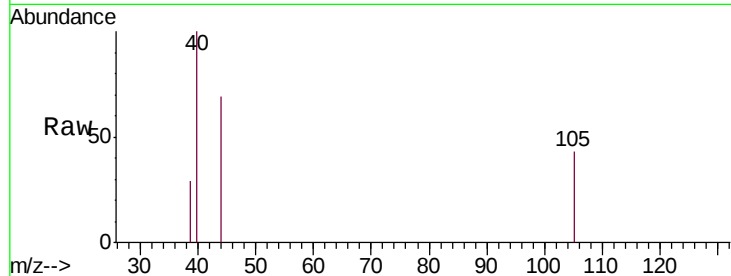
RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013904.D

Acq: 04 Dec 2019 15:21

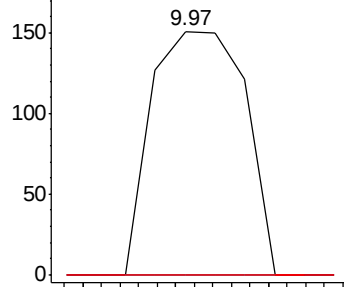
Tgt Ion:	105	Resp:	106
Ion	Ratio	Lower	Upper
105	100		
120	0.0	21.4	32.0#
77	0.0	11.6	17.4#



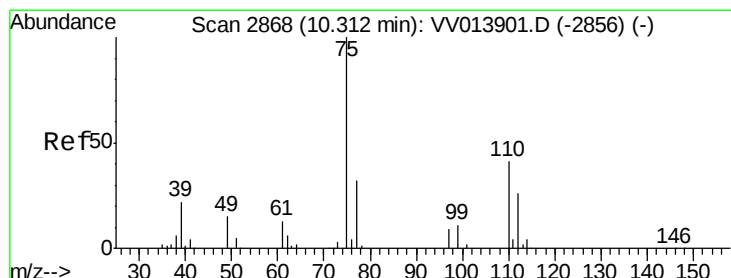
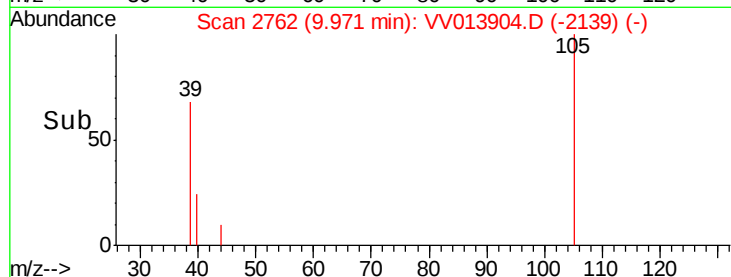
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



Time-->



#61

1,2,3-Trichloropropane

Concen: 0.029 ug/L

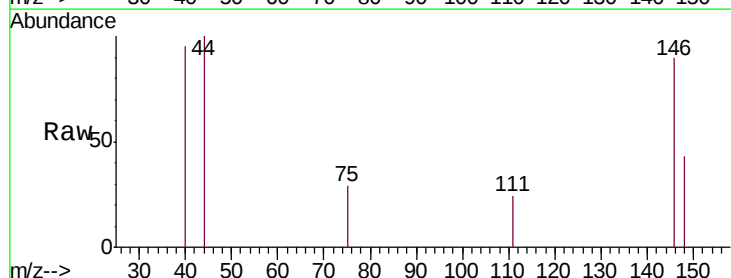
RT: 11.23 min Scan# 3154

Delta R.T. 0.92 min

Lab File: VV013904.D

Acq: 04 Dec 2019 15:21

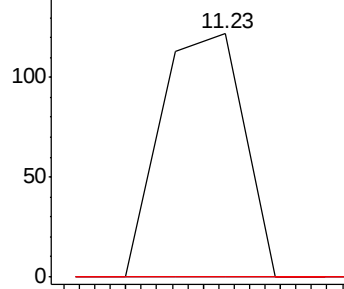
Tgt Ion:	75	Resp:	45
Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.7	38.5#
110	0.0	34.2	51.4#



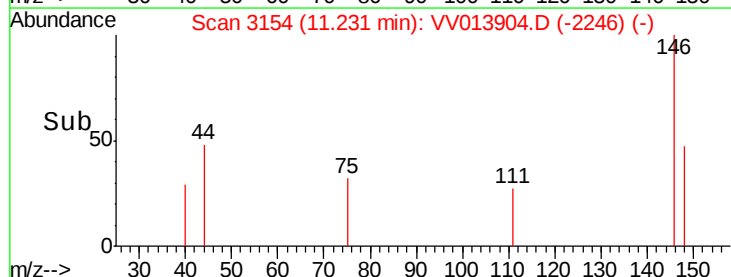
Abundance Ion 75.00 (74.70 to 75.70): V

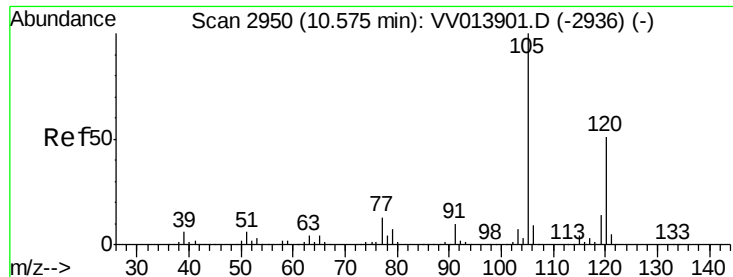
Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V



Time-->





#62

1,3,5-Trimethylbenzene

Concen: 0.026 ug/L

RT: 10.58 min Scan# 2952

Delta R.T. 0.01 min

Lab File: VV013904.D

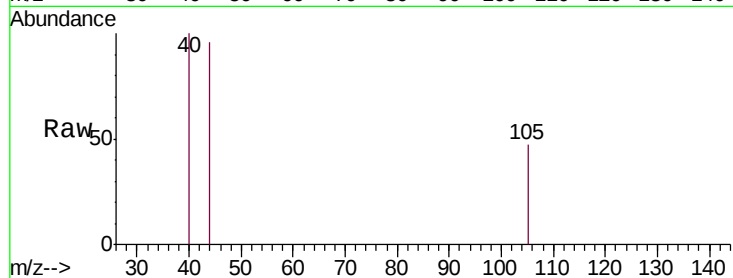
Acq: 04 Dec 2019 15:21

Tgt Ion:105 Resp: 142

Ion Ratio Lower Upper

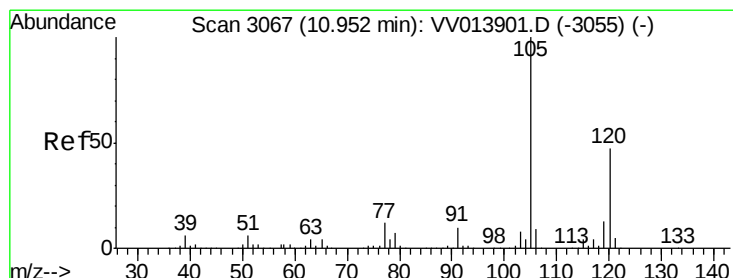
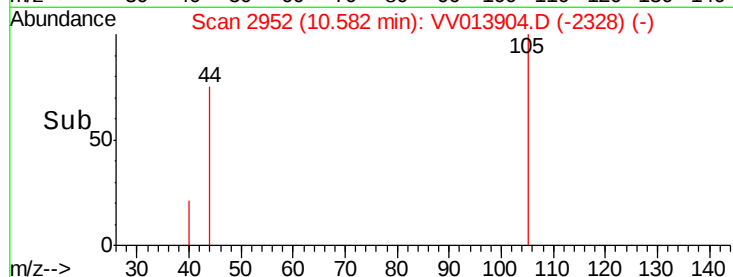
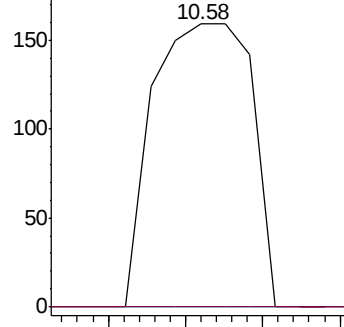
105 100

120 0.0 39.2 58.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 0.027 ug/L

RT: 10.95 min Scan# 3067

Delta R.T. 0.00 min

Lab File: VV013904.D

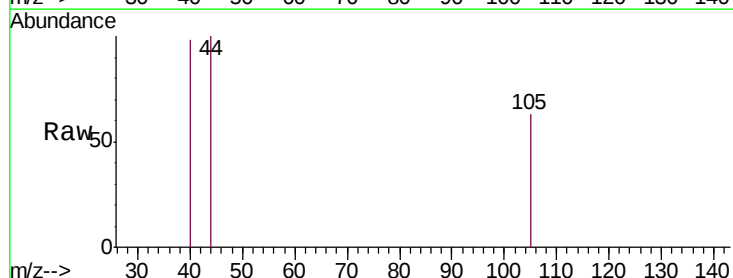
Acq: 04 Dec 2019 15:21

Tgt Ion:105 Resp: 147

Ion Ratio Lower Upper

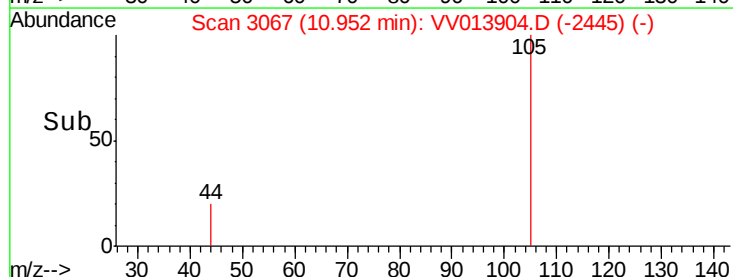
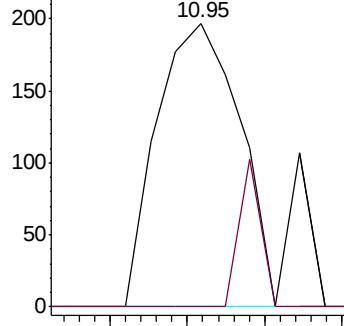
105 100

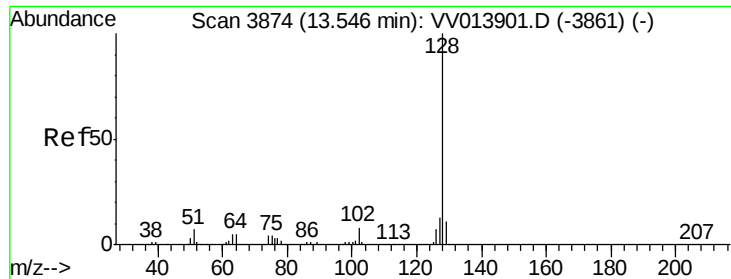
120 0.0 36.7 55.1#



Abundance Ion 105.00 (104.70 to 105.70): V

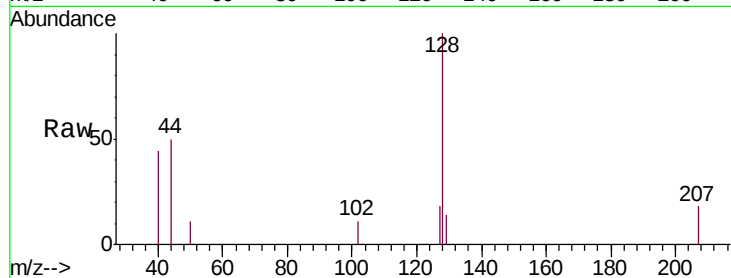
Ion 120.00 (119.70 to 120.70): V





#71
Naphthalene
Concen: 0.409 ug/L
RT: 13.56 min Scan# 3879
Delta R.T. 0.02 min
Lab File: VV013904.D
Acq: 04 Dec 2019 15:21

Tgt Ion:128 Resp: 2311
Ion Ratio Lower Upper
128 100
127 8.4 10.6 15.8#
129 5.2 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

