

Data File : VV013903.D
Acq On : 04 Dec 2019 14:57
Operator : SY/MD
Sample : K4649-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 05 01:31:31 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	272443	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	293056	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	107531	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67307	45.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.38%
7) Chloroethane-d5	1.57	69	71049	67.21	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	134.42%#
11) 1,1-Dichloroethene-d2	2.13	63	110118	42.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.30%
21) 2-Butanone-d5	3.92	46	95189	87.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.72%
24) Chloroform-d	4.39	84	142699	38.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.38%
26) 1,2-Dichloroethane-d4	5.07	65	93229	38.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.68%
32) Benzene-d6	5.09	84	292651	34.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	69.40%#
36) 1,2-Dichloropropane-d6	6.11	67	92198	37.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	75.48%
41) Toluene-d8	7.35	98	253666	31.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	62.40%#
43) trans-1,3-Dichloropropene-	7.66	79	41030	29.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.08%#
47) 2-Hexanone-d5	8.13	63	57687	56.86	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	56.86%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	118412	34.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	68.78%
66) 1,2-Dichlorobenzene-d4	11.67	152	105353	41.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.32%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	1089	0.797 ug/L	92
9) Trichlorofluoromethane	2.13	101	1193	0.556 ug/L #	22
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1254	1.193 ug/L #	18
12) 1,1-Dichloroethene	2.13	96	1656	1.673 ug/L #	1
13) Acetone	2.18	43	3114	4.209 ug/L	96
34) Trichloroethene	5.95	95	495076	264.037 ug/L	98
35) Methylcyclohexane	6.11	83	22897	8.204 ug/L #	22
37) 1,2-Dichloropropane	6.11	63	10034	6.098 ug/L #	84
44) trans-1,3-Dichloropropene	7.66	75	1831	0.669 ug/L #	78
46) Tetrachloroethene	8.02	164	2286	1.309 ug/L	90
48) 2-Hexanone	8.18	43	3054	1.913 ug/L #	87
49) Dibromochloromethane	8.02	129	1777	0.772 ug/L #	11
60) Isopropylbenzene	9.97	105	333	0.057 ug/L #	54
61) 1,2,3-Trichloropropane	11.22	75	122	0.084 ug/L #	17
62) 1,3,5-Trimethylbenzene	10.58	105	429	0.084 ug/L	90
63) 1,2,4-Trimethylbenzene	10.96	105	440	0.088 ug/L	91
71) Naphthalene	13.56	128	4402	0.832 ug/L	98

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

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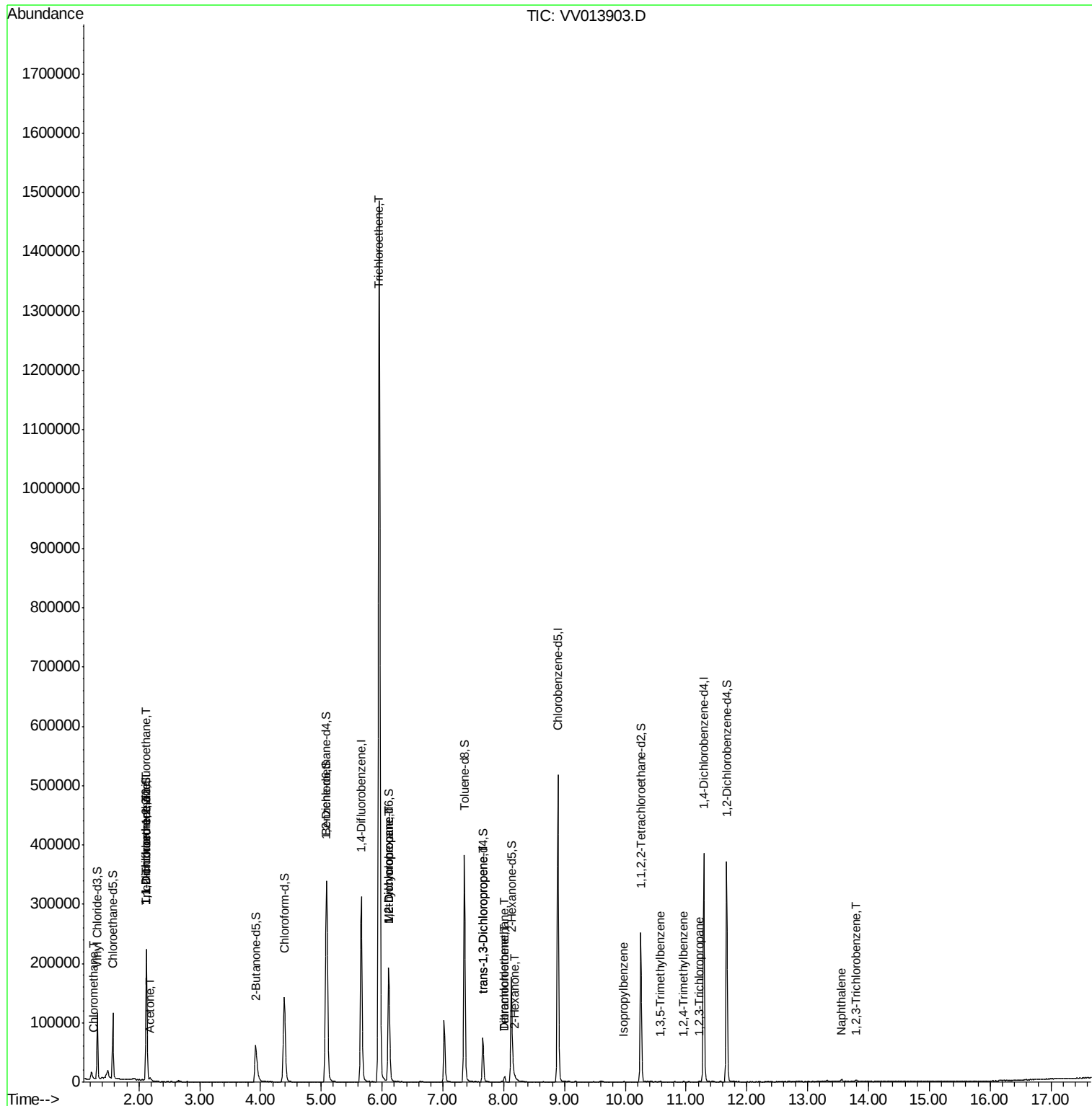
Quant Time: Dec 05 01:31:31 2019
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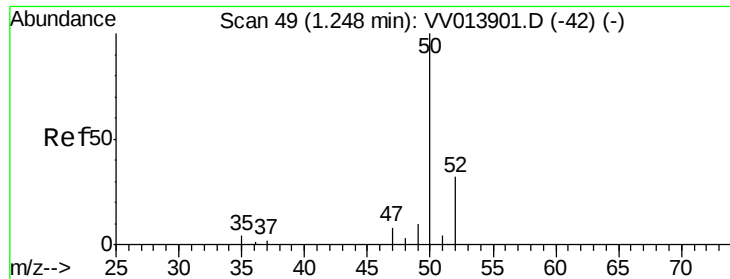
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	13.79	180	1268	0.604	ug/L #	93

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

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#3

Chloromethane

Concen: 0.797 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013903.D

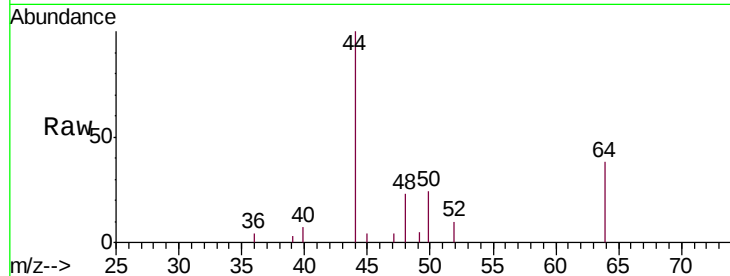
Acq: 04 Dec 2019 14:57

Tgt Ion: 50 Resp: 1089

Ion Ratio Lower Upper

50 100

52 38.9 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VV013903.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV013903.D (-42) (-)

1.25

800

600

400

200

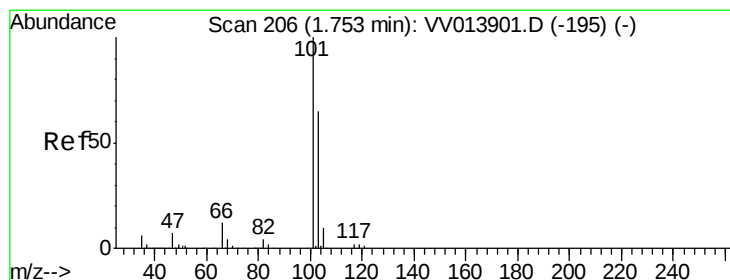
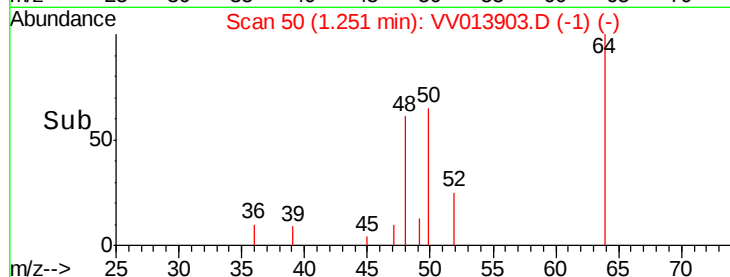
0

1.22

1.24

1.26

Time-->



#9

Trichlorofluoromethane

Concen: 0.556 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.37 min

Lab File: VV013903.D

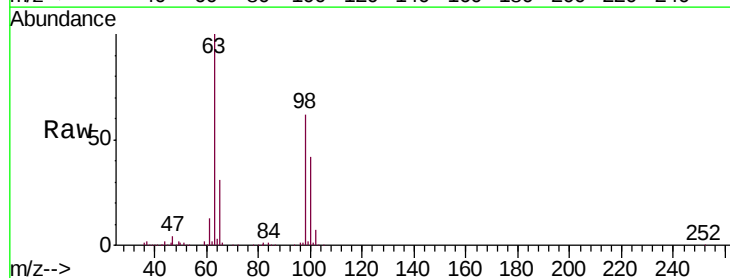
Acq: 04 Dec 2019 14:57

Tgt Ion: 101 Resp: 1193

Ion Ratio Lower Upper

101 100

103 3.7 52.5 78.7#



Abundance Ion 101.00 (100.70 to 101.70): VV013903.D (-195) (-)

Ion 103.00 (102.70 to 103.70): VV013903.D (-195) (-)

2.13

800

600

400

200

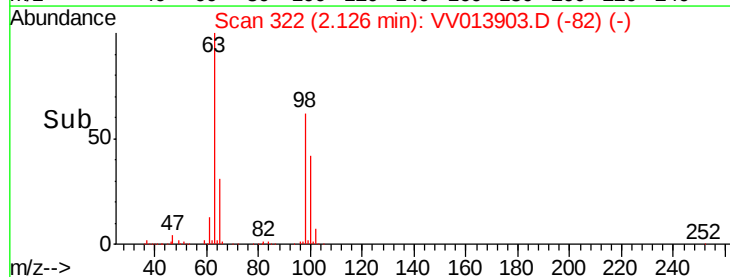
0

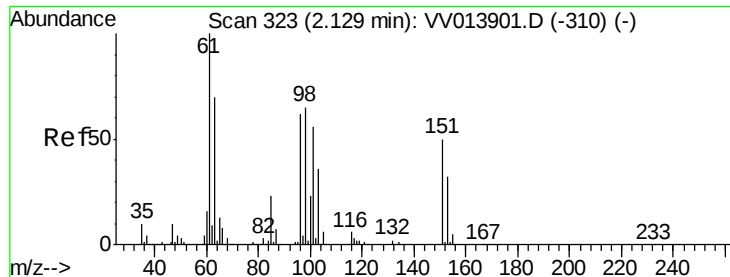
2.10

2.12

2.14

Time-->





#10

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

Concen: 1.193 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV013903.D

Acq: 04 Dec 2019 14:57

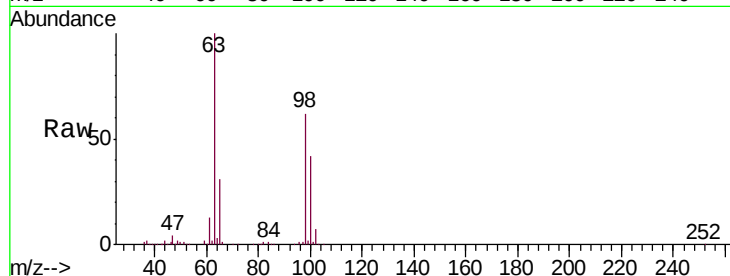
Tgt Ion: 101 Resp: 1254

Ion Ratio Lower Upper

101 100

85 8.1 34.4 51.6#

151 0.0 72.2 108.2#

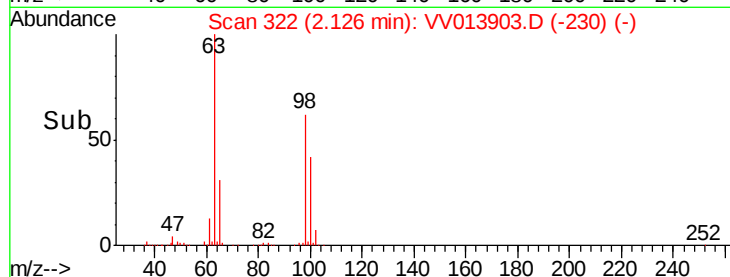


Abundance Ion 101.00 (100.70 to 101.70): VV013903.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV013903.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV013903.D (-230) (-)

Time-->



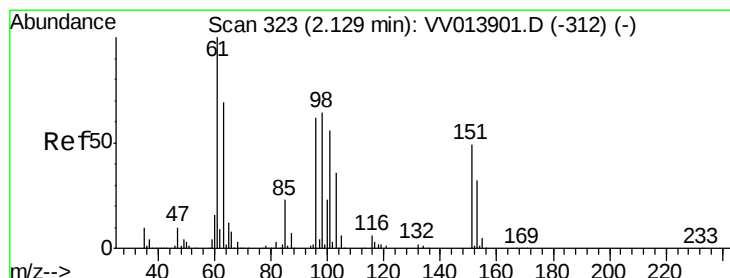
Abundance

Ion 101.00 (100.70 to 101.70): VV013903.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV013903.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV013903.D (-230) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 1.673 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV013903.D

Acq: 04 Dec 2019 14:57

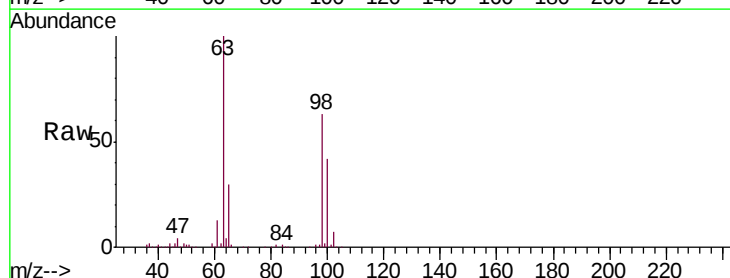
Tgt Ion: 96 Resp: 1656

Ion Ratio Lower Upper

96 100

61 893.2 120.0 223.0#

63 7063.7 98.3 182.7#

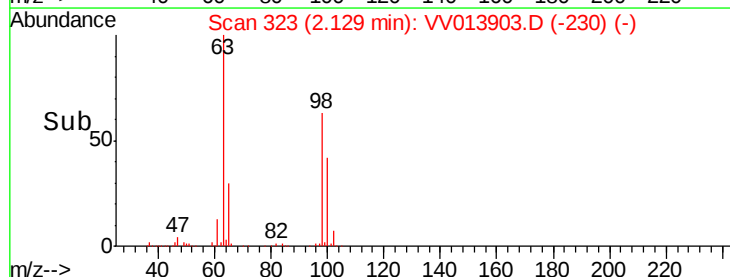


Abundance Ion 96.00 (95.70 to 96.70): VV013903.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV013903.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV013903.D (-230) (-)

Time-->



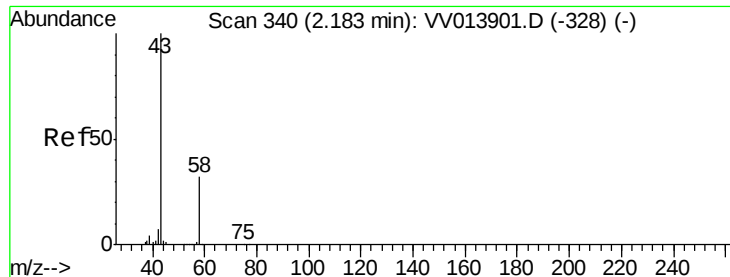
Abundance

Ion 96.00 (95.70 to 96.70): VV013903.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV013903.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV013903.D (-230) (-)

Time-->



#13

Acetone

Concen: 4.209 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV013903.D

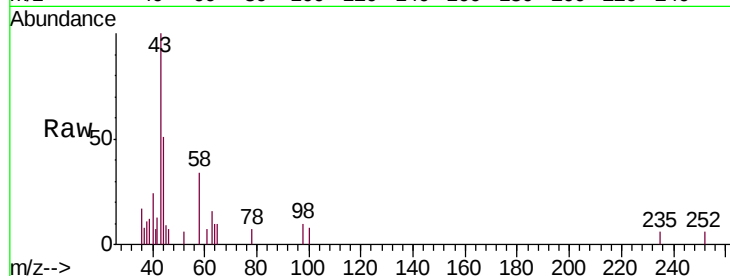
Acq: 04 Dec 2019 14:57

Tgt Ion: 43 Resp: 3114

Ion Ratio Lower Upper

43 100

58 31.8 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VV013901.D (-328) (-)

Ion 58.00 (57.70 to 58.70): VV013901.D (-328) (-)

2.18

2000

1500

1000

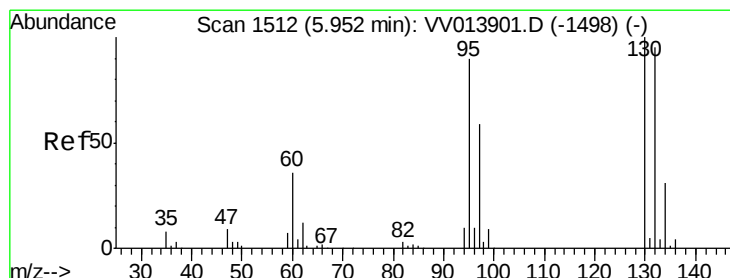
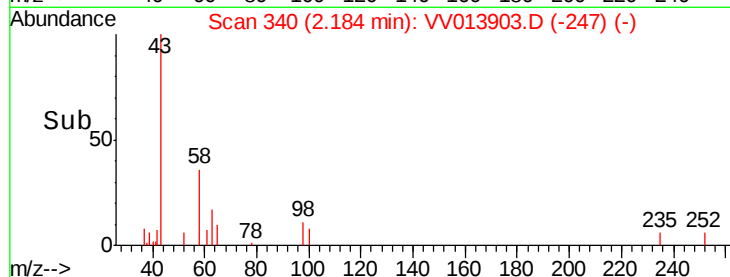
500

0

Time-->

2.15

2.20



#34

Trichloroethene

Concen: 264.037 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. 0.00 min

Lab File: VV013903.D

Acq: 04 Dec 2019 14:57

Tgt Ion: 95 Resp: 495076

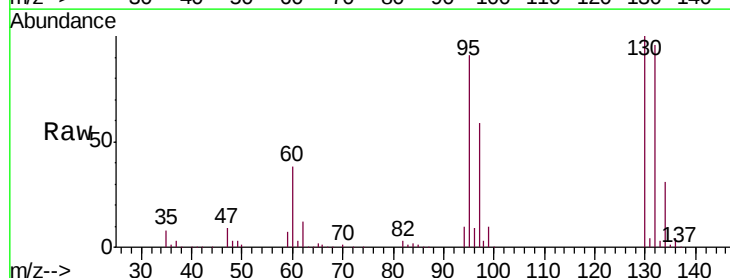
Ion Ratio Lower Upper

95 100

97 64.3 43.4 80.6

132 105.7 73.1 135.8

130 109.7 75.3 139.8



Abundance Ion 95.00 (94.70 to 95.70): VV013901.D (-1498) (-)

Ion 97.00 (96.70 to 97.70): VV013901.D (-1498) (-)

Ion 132.00 (131.70 to 132.70): VV013901.D (-1498) (-)

Ion 130.00 (129.70 to 130.70): VV013901.D (-1498) (-)

400000

300000

200000

100000

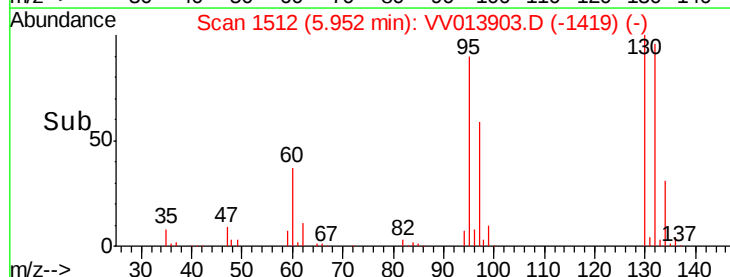
0

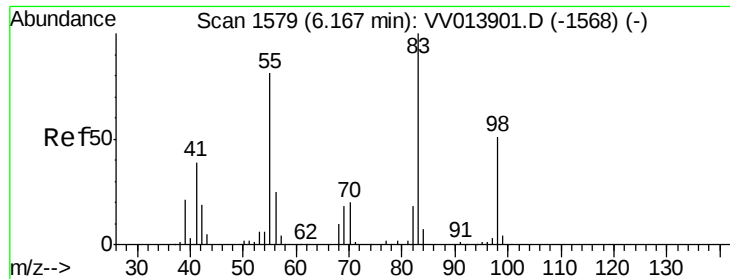
Time-->

5.90

6.00

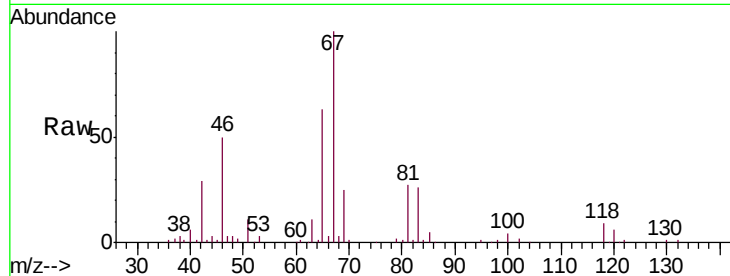
6.10



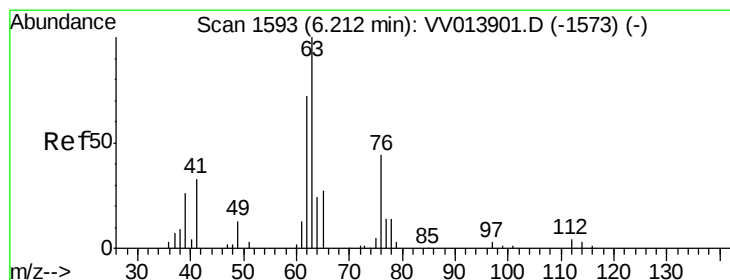
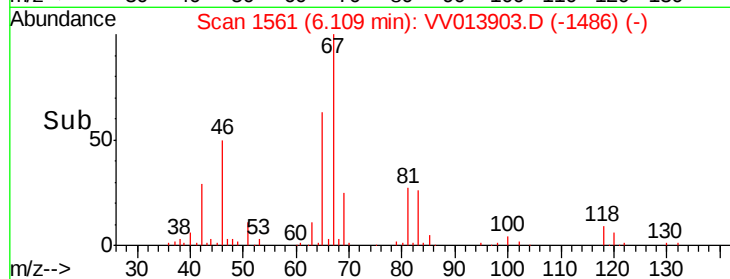
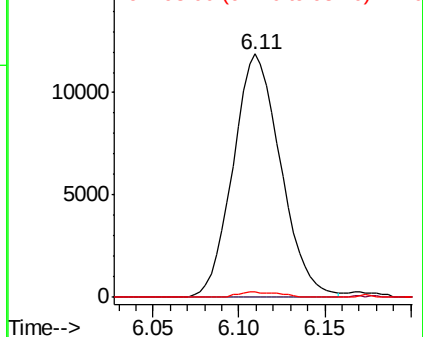


#35
Methylcyclohexane
Concen: 8.204 ug/L
RT: 6.11 min Scan# 1561
Delta R.T. -0.06 min
Lab File: VV013903.D
Acq: 04 Dec 2019 14:57

Tgt Ion: 83 Resp: 22897
Ion Ratio Lower Upper
83 100
55 0.2 55.5 83.3#
98 1.9 38.5 57.7#

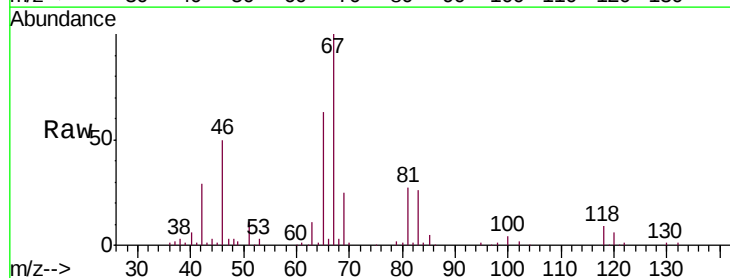


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

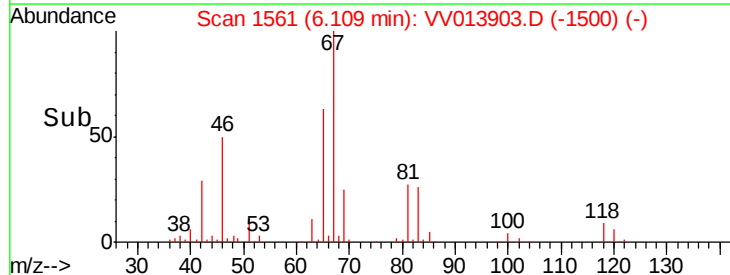
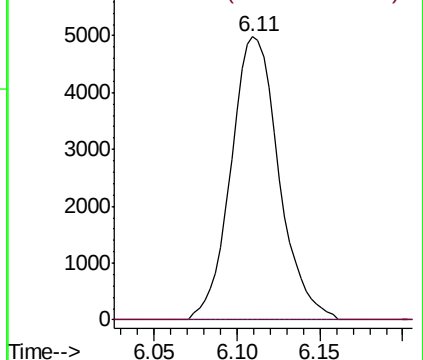


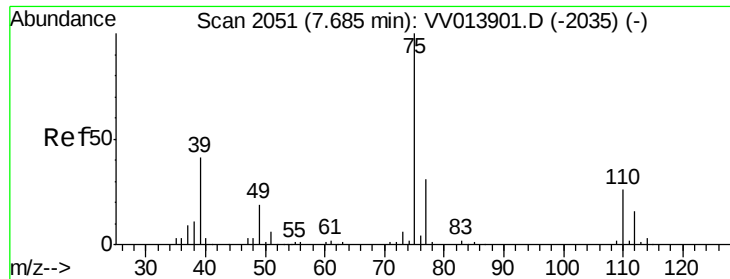
#37
1,2-Dichloropropane
Concen: 6.098 ug/L
RT: 6.11 min Scan# 1561
Delta R.T. -0.10 min
Lab File: VV013903.D
Acq: 04 Dec 2019 14:57

Tgt Ion: 63 Resp: 10034
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.2#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V





#44

trans-1,3-Dichloropropene

Concen: 0.669 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV013903.D

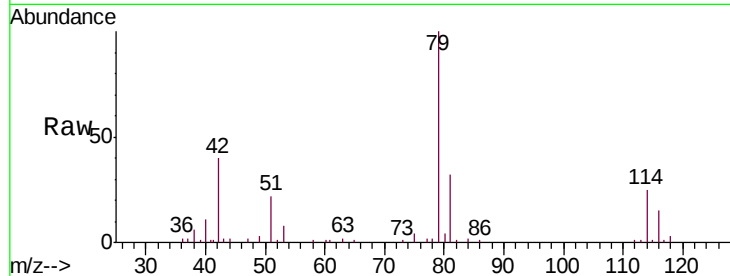
Acq: 04 Dec 2019 14:57

Tgt Ion: 75 Resp: 1831

Ion Ratio Lower Upper

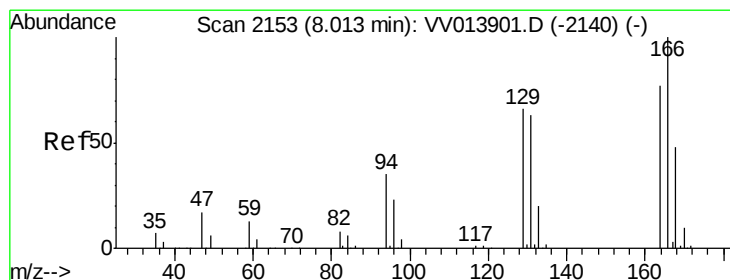
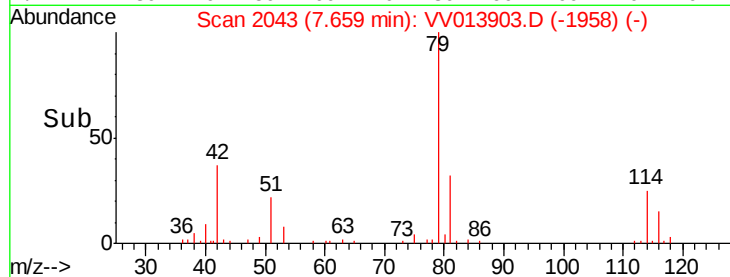
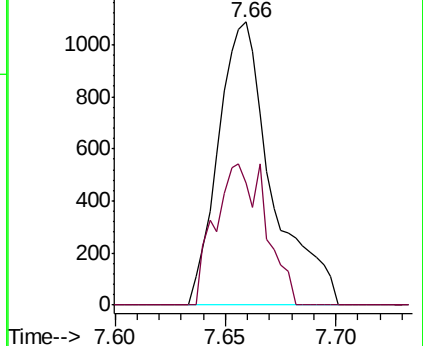
75 100

77 43.2 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) (-)



#46

Tetrachloroethene

Concen: 1.309 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.01 min

Lab File: VV013903.D

Acq: 04 Dec 2019 14:57

Tgt Ion: 164 Resp: 2286

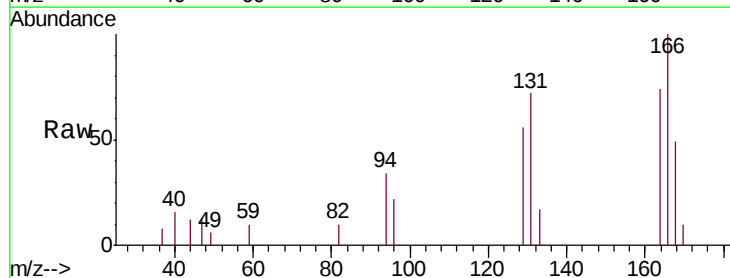
Ion Ratio Lower Upper

164 100

129 75.5 64.3 119.5

131 97.4 60.1 111.7

166 134.8 91.8 170.6

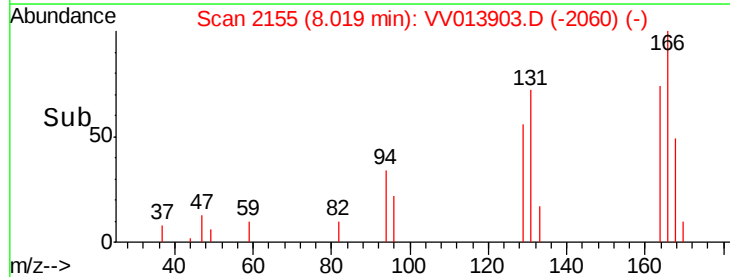
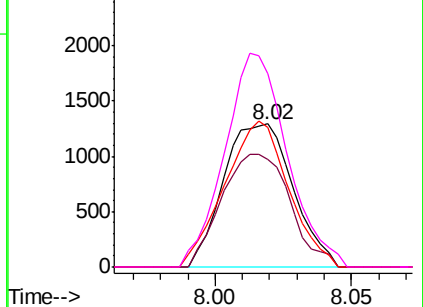


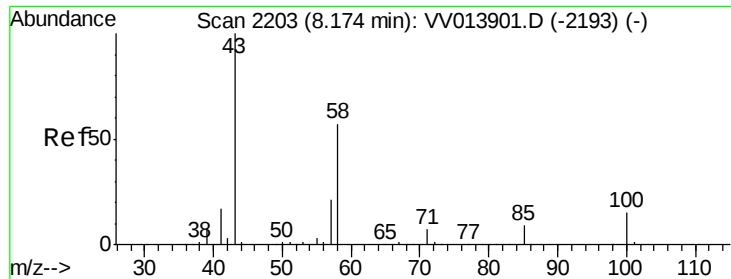
Abundance Ion 164.00 (163.70 to 164.70): VV013901.D (-2140) (-)

Ion 129.00 (128.70 to 129.70): VV013901.D (-2140) (-)

Ion 131.00 (130.70 to 131.70): VV013901.D (-2140) (-)

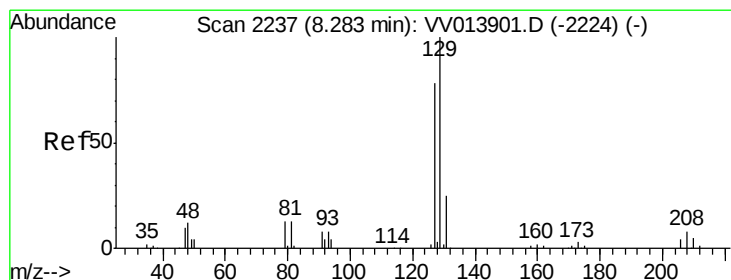
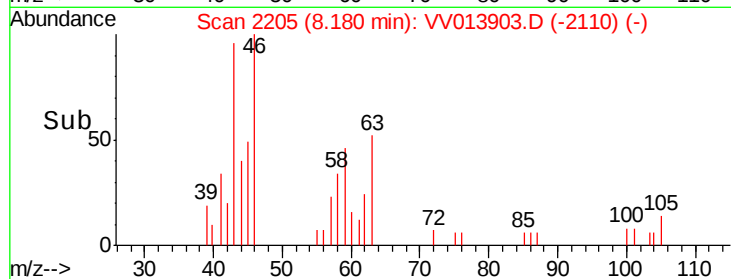
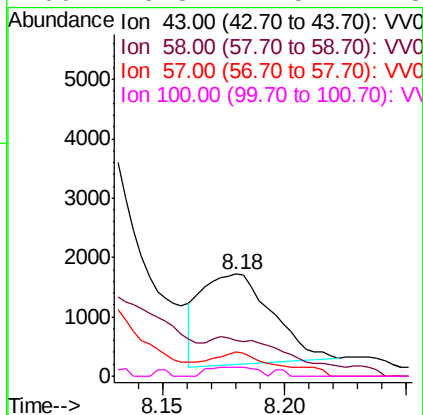
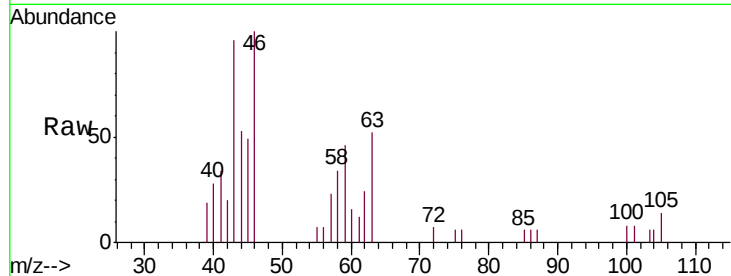
Ion 166.00 (165.70 to 166.70): VV013901.D (-2140) (-)





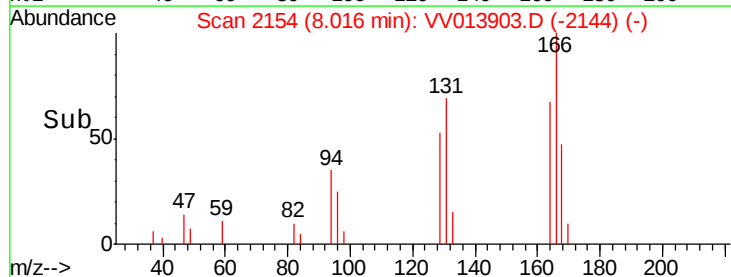
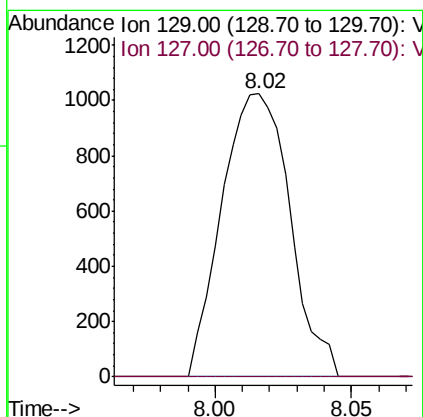
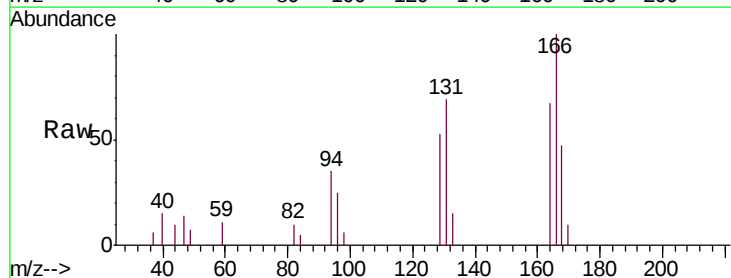
#48
2-Hexanone
Concen: 1.913 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.01 min
Lab File: VV013903.D
Acq: 04 Dec 2019 14:57

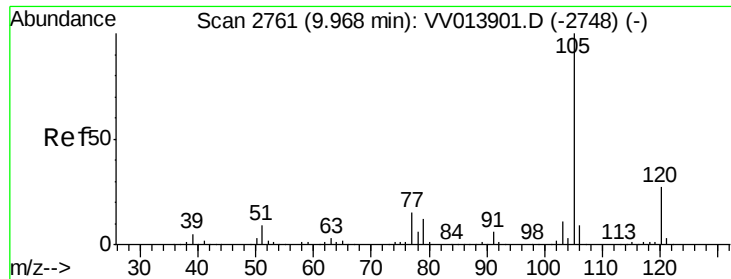
Tgt Ion: 43 Resp: 3054
Ion Ratio Lower Upper
43 100
58 47.7 45.6 68.4
57 24.8 17.0 25.6
100 5.3 11.5 17.3#



#49
Dibromochloromethane
Concen: 0.772 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013903.D
Acq: 04 Dec 2019 14:57

Tgt Ion: 129 Resp: 1777
Ion Ratio Lower Upper
129 100
127 0.0 53.8 100.0#





#60

Isopropylbenzene

Concen: 0.057 ug/L

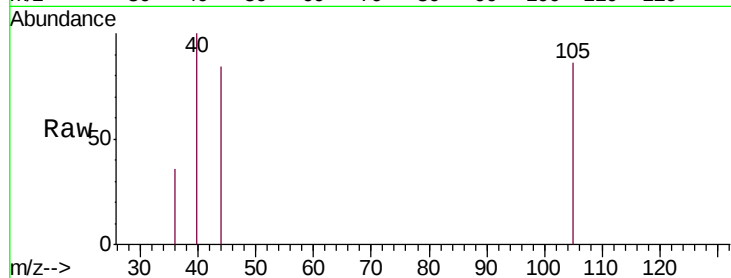
RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013903.D

Acq: 04 Dec 2019 14:57

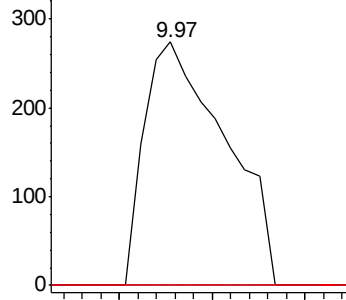
Tgt Ion:	105	Resp:	333
Ion	Ratio	Lower	Upper
105	100		
120	0.0	21.4	32.0#
77	0.0	11.6	17.4#



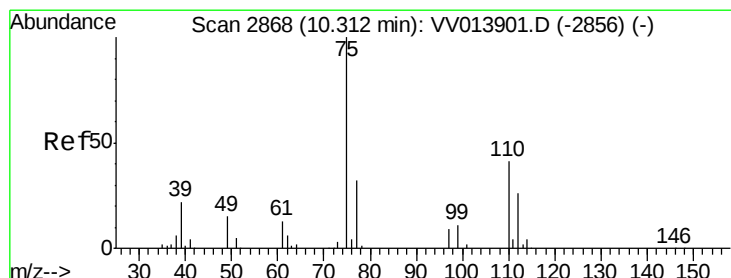
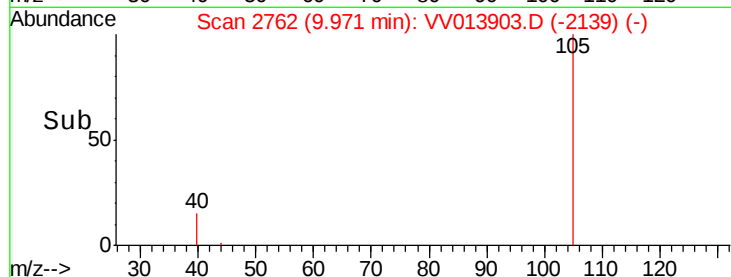
Abundance Ion 105.00 (104.70 to 105.70): V

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: 0.084 ug/L

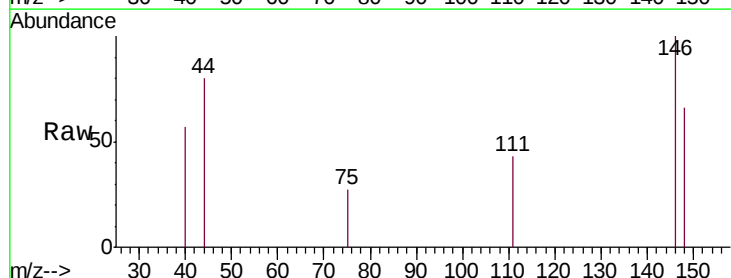
RT: 11.22 min Scan# 3152

Delta R.T. 0.91 min

Lab File: VV013903.D

Acq: 04 Dec 2019 14:57

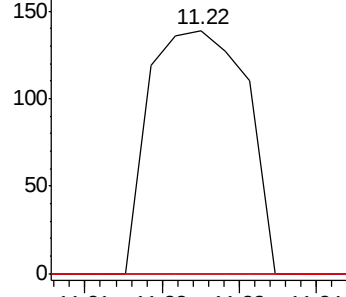
Tgt Ion:	75	Resp:	122
Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.7	38.5#
110	108.2	34.2	51.4#



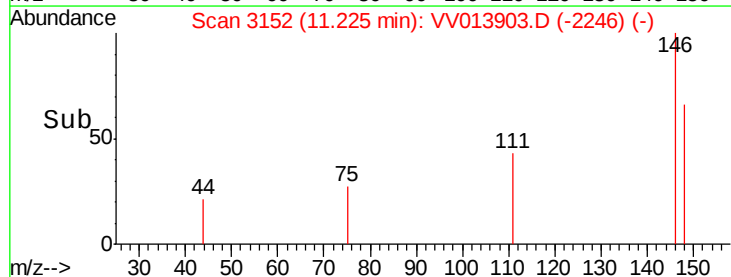
Abundance Ion 75.00 (74.70 to 75.70): V

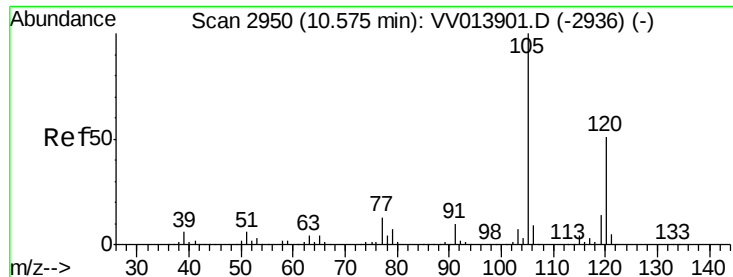
Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V



Time-->





#62

1,3,5-Trimethylbenzene

Concen: 0.084 ug/L

RT: 10.58 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VV013903.D

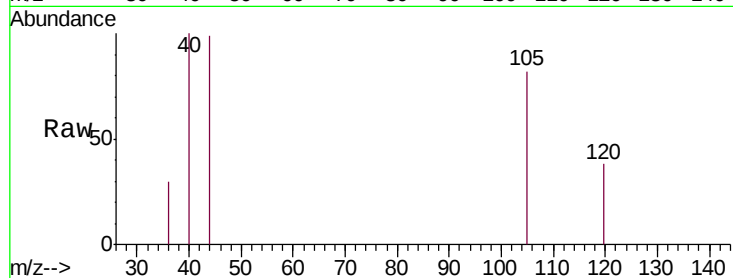
Acq: 04 Dec 2019 14:57

Tgt Ion:105 Resp: 429

Ion Ratio Lower Upper

105 100

120 42.4 39.2 58.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.58

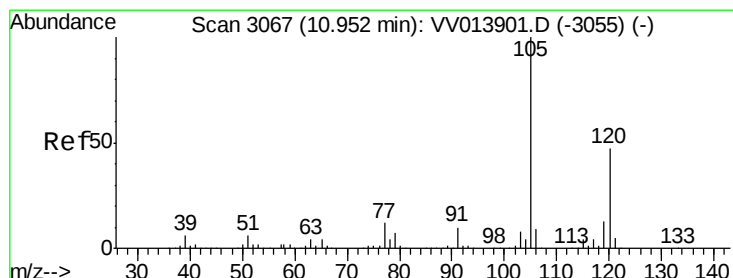
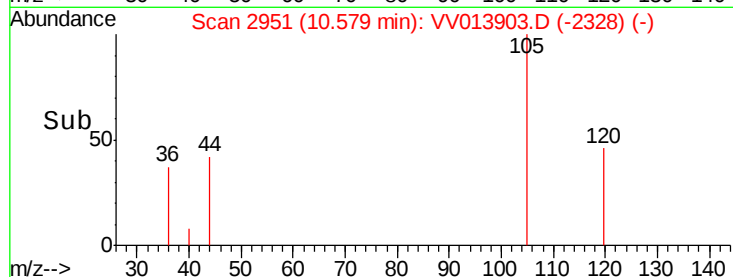
300

200

100

0

Time-->



#63

1,2,4-Trimethylbenzene

Concen: 0.088 ug/L

RT: 10.96 min Scan# 3069

Delta R.T. 0.01 min

Lab File: VV013903.D

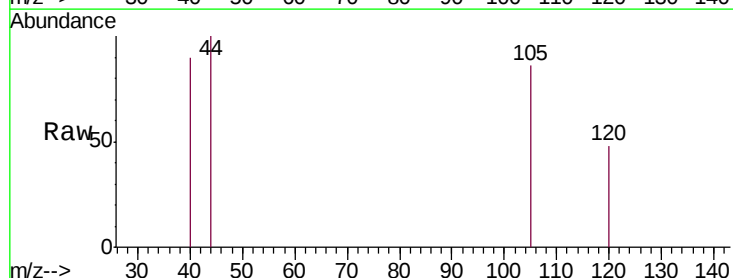
Acq: 04 Dec 2019 14:57

Tgt Ion:105 Resp: 440

Ion Ratio Lower Upper

105 100

120 40.2 36.7 55.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.96

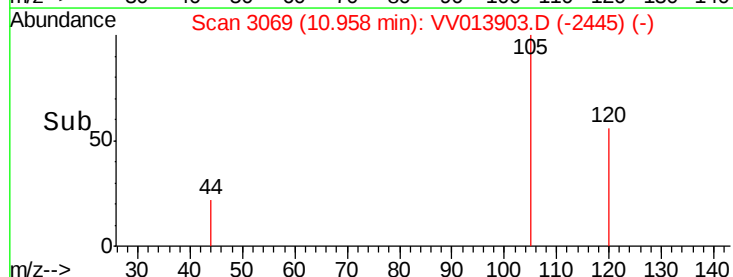
300

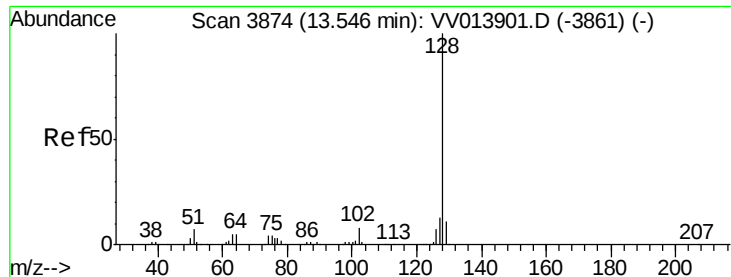
200

100

0

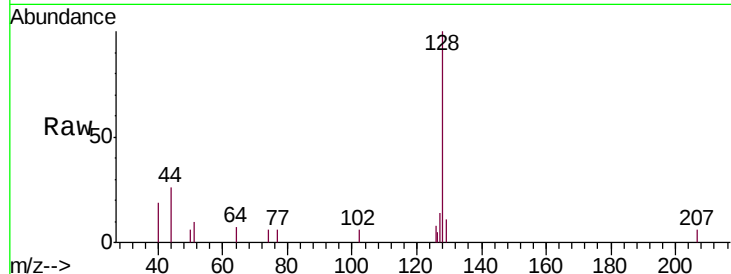
Time-->



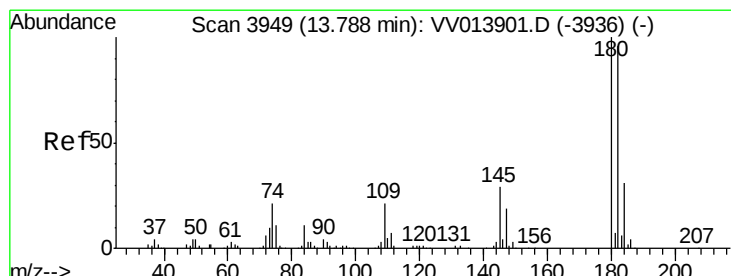
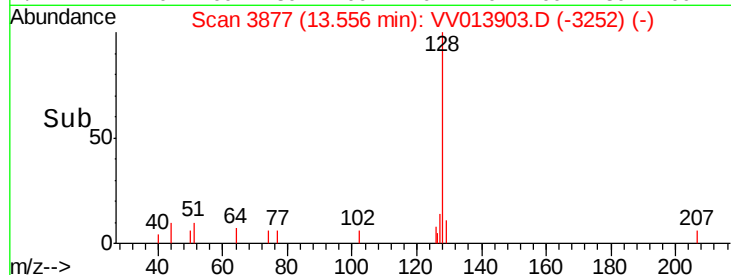
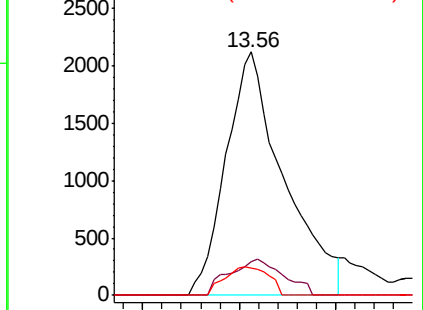


#71
Naphthalene
Concen: 0.832 ug/L
RT: 13.56 min Scan# 3877
Delta R.T. 0.01 min
Lab File: VV013903.D
Acq: 04 Dec 2019 14:57

Tgt Ion:128 Resp: 4402
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 8.9 8.6 12.8

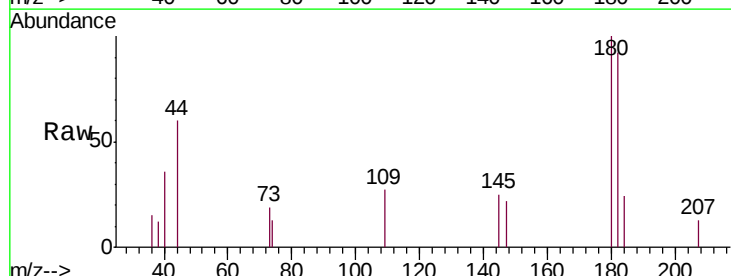


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 0.604 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.01 min
Lab File: VV013903.D
Acq: 04 Dec 2019 14:57

Tgt Ion:180 Resp: 1268
Ion Ratio Lower Upper
180 100
182 94.5 77.2 115.8
145 19.3 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

