

Data File : VV010216.D
Acq On : 10 Apr 2019 18:08
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 07:09:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 11 07:05:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	265635	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	256433	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	131247	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	81274	26.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.32%
7) Chloroethane-d5	1.57	69	68324	26.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.00%
10) 1,1-Dichloroethene-d2	2.13	63	206840	26.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	106.32%
20) 2-Butanone-d5	3.93	46	41571	53.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.44%
24) Chloroform-d	4.40	84	155646	25.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.64%
26) 1,2-Dichloroethane-d4	5.08	65	86746	25.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.44%
29) Benzene-d6	5.10	84	323237	26.14	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.56%
33) 1,2-Dichloropropane-d6	6.12	67	92808	25.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.92%
37) Toluene-d8	7.36	98	327463	27.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.64%
38) trans-1,3-Dichloropropene-	7.66	79	40262	26.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.04%
39) 2-Hexanone-d5	8.13	63	33058	52.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.08%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	84074	25.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.88%
61) 1,2-Dichlorobenzene-d4	11.67	152	129131	26.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.56%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	122680	28.820	ug/L	97
3) Chloromethane	1.25	50	97211	27.831	ug/L	99
5) Vinyl chloride	1.33	62	110363	29.382	ug/L	97
6) Bromomethane	1.51	94	94986	31.201	ug/L	98
8) Chloroethane	1.59	64	65220	27.846	ug/L	100
9) Trichlorofluoromethane	1.77	101	213864	28.113	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	112913	27.725	ug/L	98
12) 1,1-Dichloroethene	2.14	96	98819	28.197	ug/L	97
13) Acetone	2.19	43	41951	50.740	ug/L	99
14) Carbon disulfide	2.32	76	253885	29.997	ug/L	99
15) Methyl Acetate	2.46	43	39445	26.787	ug/L	100
16) Methylene chloride	2.54	84	96551	18.560	ug/L	96
17) Methyl tert-butyl Ether	2.80	73	202825	26.745	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	92729	27.846	ug/L	93
19) 1,1-Dichloroethane	3.23	63	152929	27.918	ug/L	98
21) 2-Butanone	4.01	43	49167	52.139	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	100112	27.630	ug/L	98

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 11 07:05:16 2019
Response via : Initial Calibration

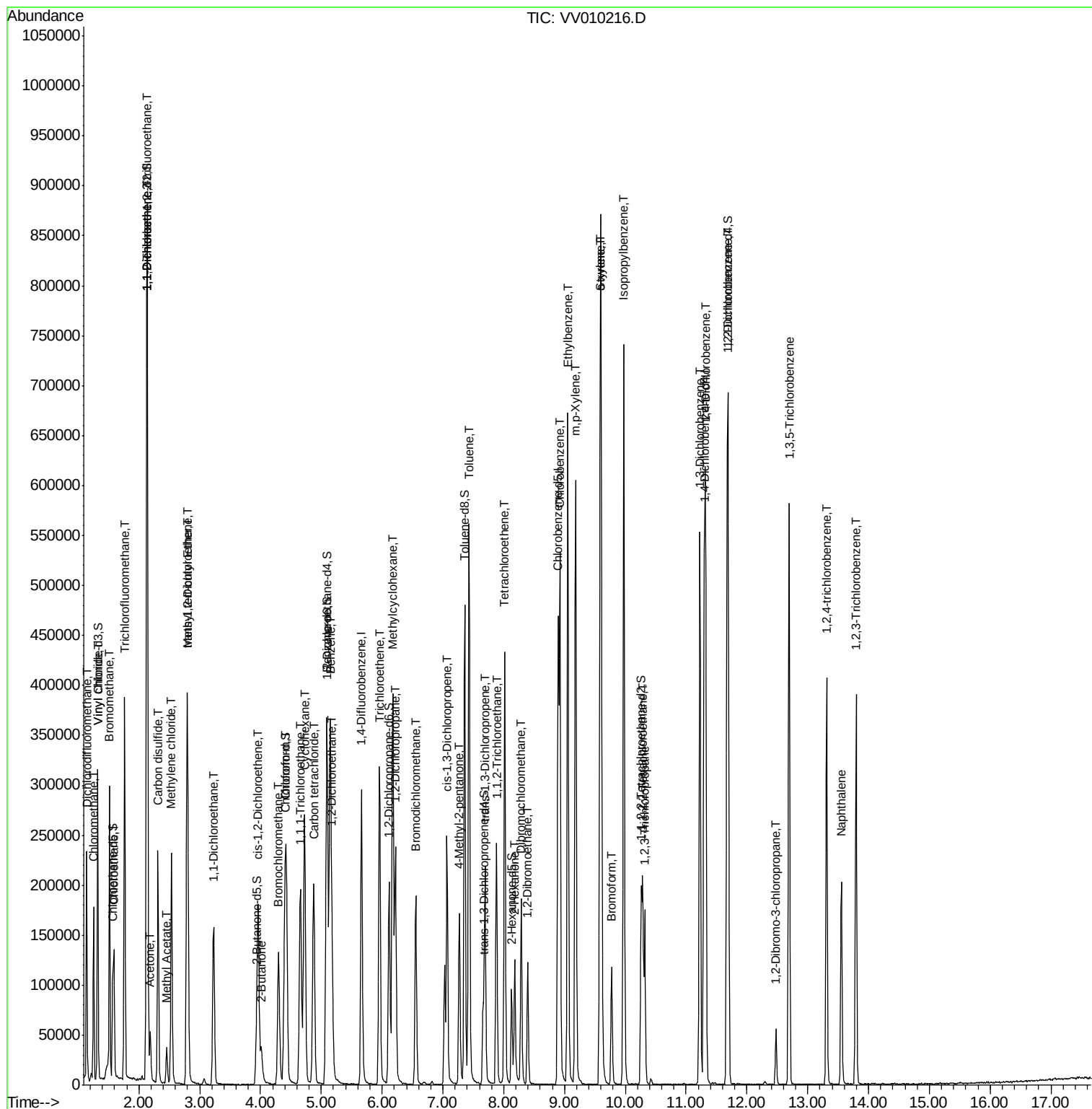
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	47578	26.667	ug/L	90
25) Chloroform	4.42	83	180956	27.811	ug/L	100
27) 1,2-Dichloroethane	5.18	62	109101	26.200	ug/L	98
30) Cyclohexane	4.73	56	139478	29.045	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	155317	28.955	ug/L	99
32) Carbon tetrachloride	4.87	117	148905	29.790	ug/L	97
34) Benzene	5.15	78	358087	27.548	ug/L	100
35) Trichloroethene	5.96	95	105891	28.194	ug/L	98
36) Methylcyclohexane	6.17	83	166829	29.726	ug/L	98
40) 1,2-Dichloropropane	6.22	63	83604	26.285	ug/L	100
41) Bromodichloromethane	6.55	83	116593	27.511	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	135836	28.181	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	105052	51.031	ug/L	95
44) Toluene	7.43	91	412914	28.256	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	112212	27.739	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	74380	27.568	ug/L	98
47) Tetrachloroethene	8.02	164	95994	28.831	ug/L	97
49) 2-Hexanone	8.18	43	76815	56.753	ug/L	96
50) Dibromochloromethane	8.29	129	90486	27.416	ug/L	99
51) 1,2-Dibromoethane	8.40	107	73628	26.756	ug/L	98
52) Chlorobenzene	8.92	112	277872	27.250	ug/L	98
53) Ethylbenzene	9.05	91	470358	29.189	ug/L	99
54) m,p-Xylene	9.18	106	184354	29.000	ug/L	98
55) o-xylene	9.59	106	177100	27.976	ug/L	95
56) Styrene	9.60	104	293026	29.072	ug/L	100
57) Isopropylbenzene	9.97	105	481905	29.952	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	89195	26.748	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	63963	26.062	ug/L	97
62) Bromoform	9.77	173	50046	26.274	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	230550	28.330	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	233470	28.194	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	215916	27.795	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11744	26.724	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	176722	29.306	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	124781	30.199	ug/L	95
69) Naphthalene	13.55	128	164023	29.212	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	111854	29.190	ug/L	100

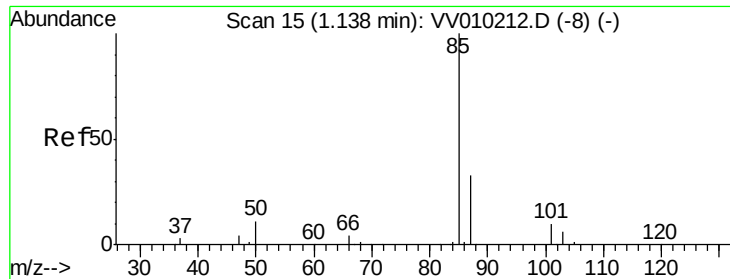
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 28.820 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV010216.D

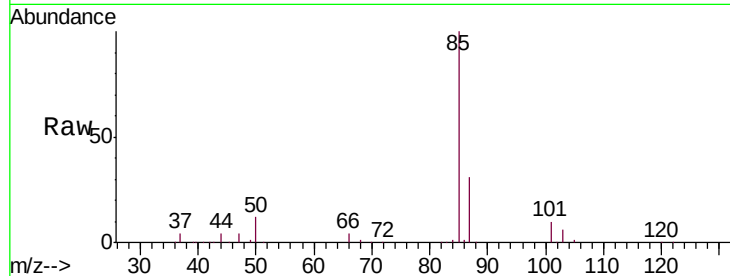
Acq: 10 Apr 2019 18:08

Tgt Ion: 85 Resp: 122680

Ion Ratio Lower Upper

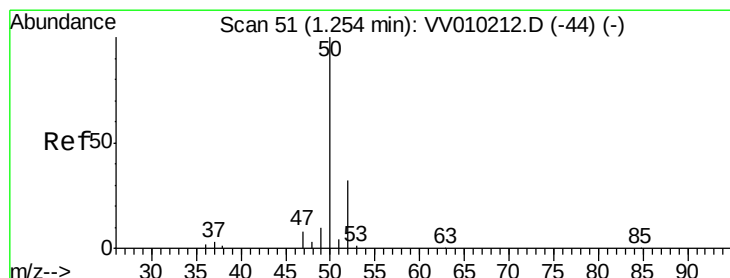
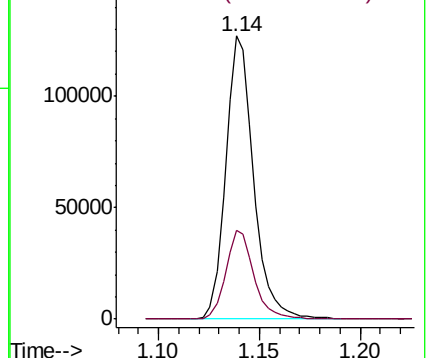
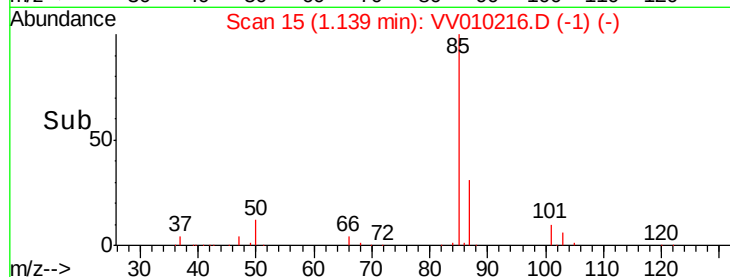
85 100

87 31.6 23.3 43.3



Abundance Ion 85.00 (84.70 to 85.70): VV010216.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV010216.D (-1) (-)



#3

Chloromethane

Concen: 27.831 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010216.D

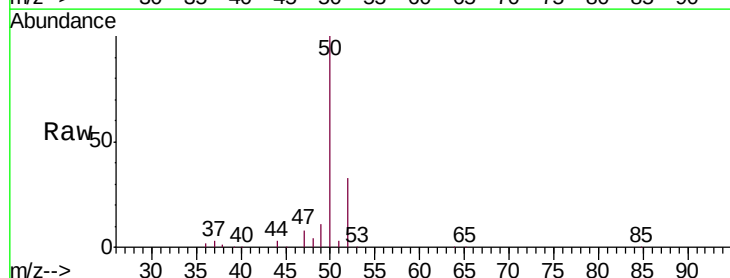
Acq: 10 Apr 2019 18:08

Tgt Ion: 50 Resp: 97211

Ion Ratio Lower Upper

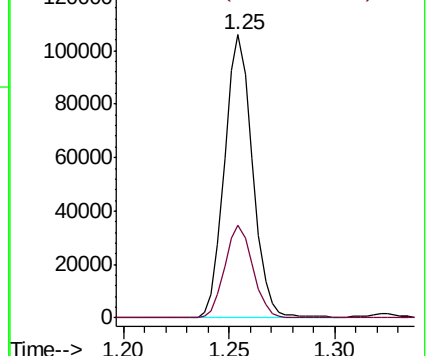
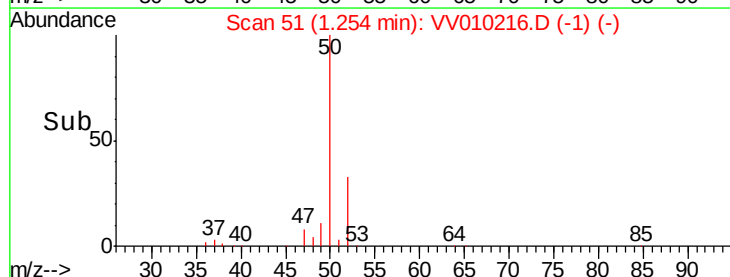
50 100

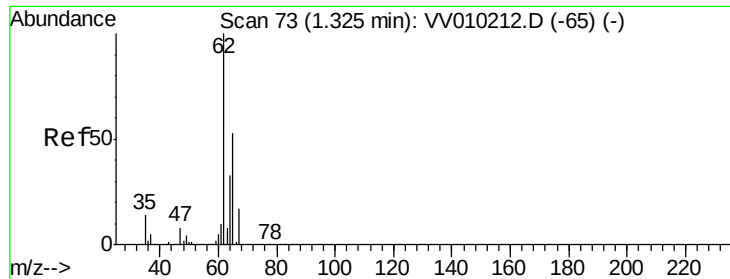
52 32.5 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VV010216.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV010216.D (-1) (-)





#5

Vinyl chloride

Concen: 29.382 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV010216.D

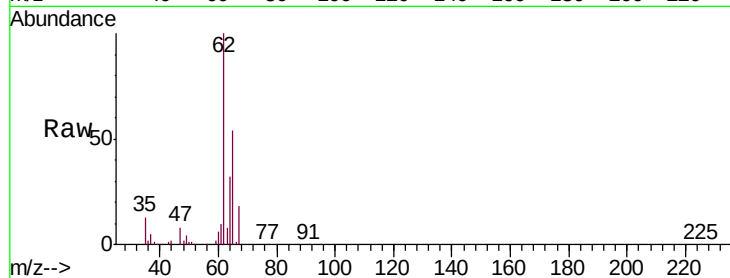
Acq: 10 Apr 2019 18:08

Tgt Ion: 62 Resp: 110363

Ion Ratio Lower Upper

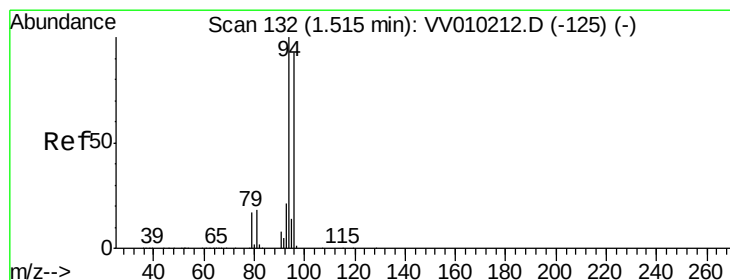
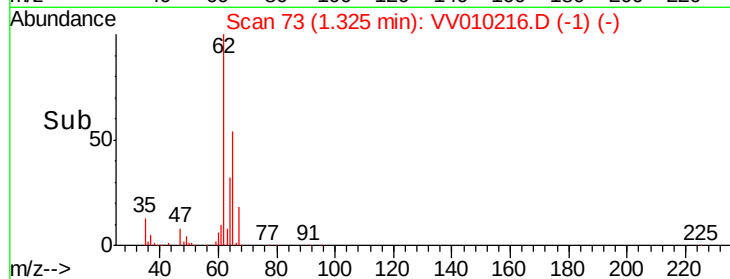
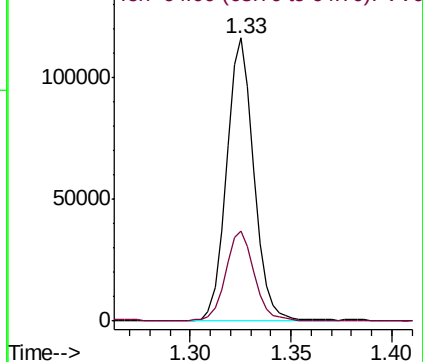
62 100

64 31.9 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 31.201 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV010216.D

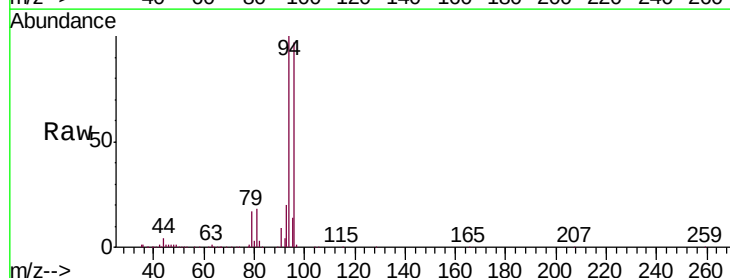
Acq: 10 Apr 2019 18:08

Tgt Ion: 94 Resp: 94986

Ion Ratio Lower Upper

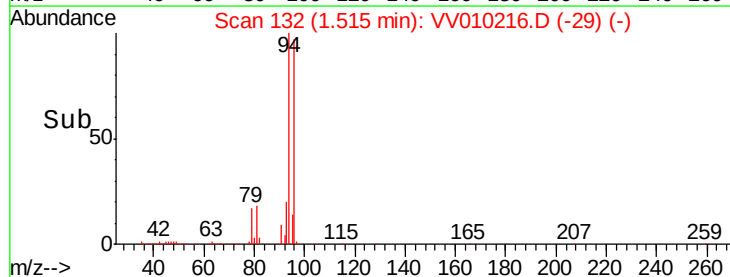
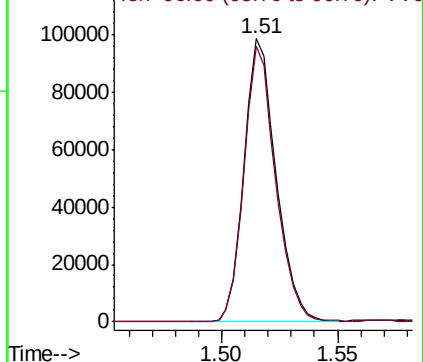
94 100

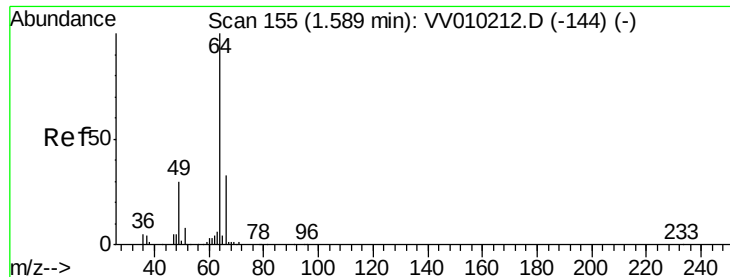
96 95.9 9.4 179.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 27.846 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.00 min

Lab File: VV010216.D

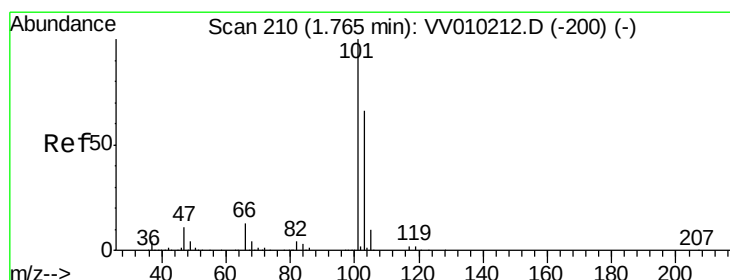
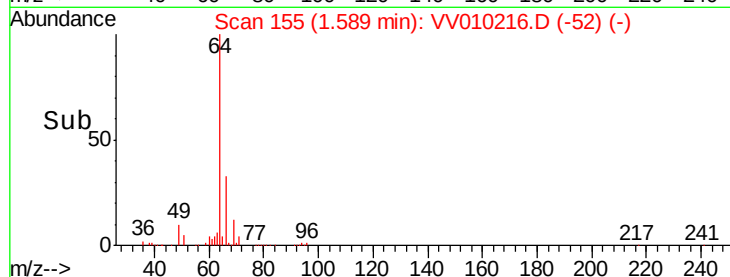
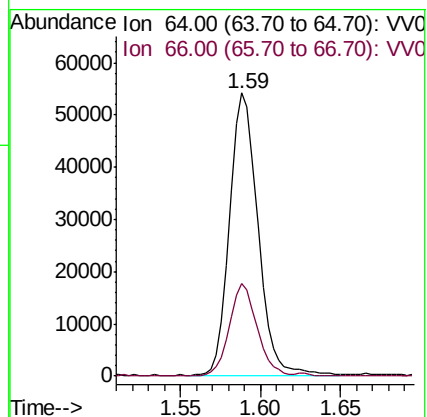
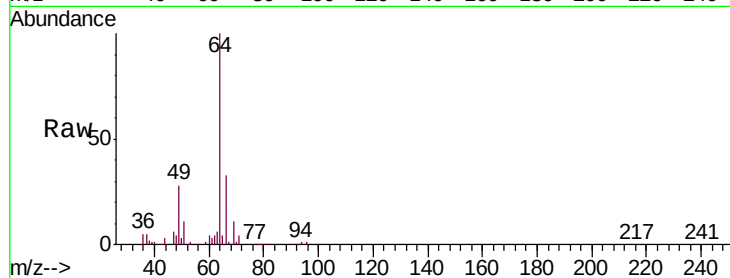
Acq: 10 Apr 2019 18:08

Tgt Ion: 64 Resp: 65220

Ion Ratio Lower Upper

64 100

66 32.8 22.8 42.4



#9

Trichlorofluoromethane

Concen: 28.113 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV010216.D

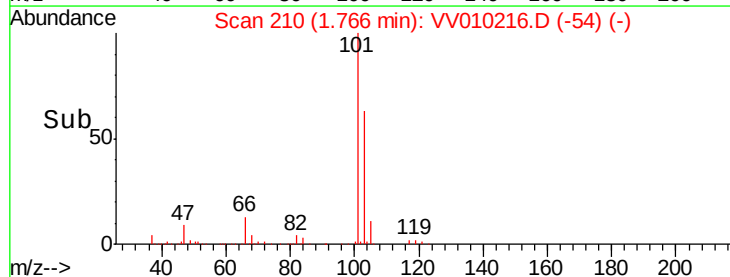
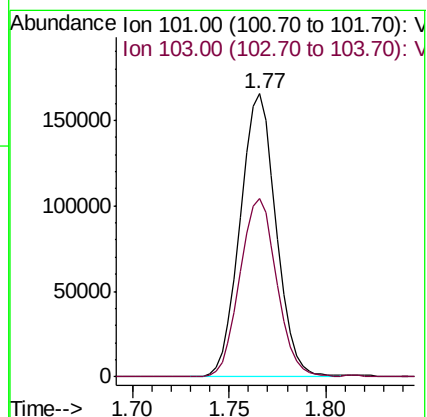
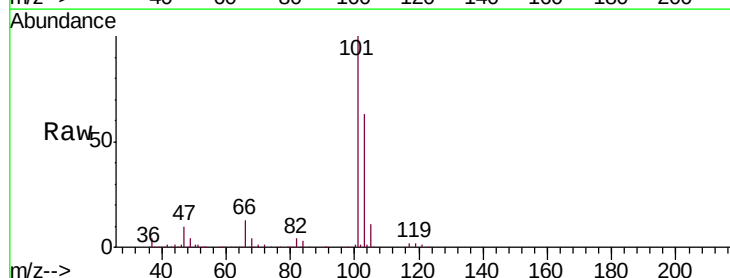
Acq: 10 Apr 2019 18:08

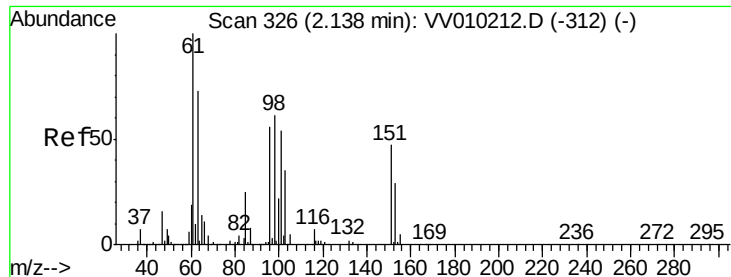
Tgt Ion: 101 Resp: 213864

Ion Ratio Lower Upper

101 100

103 64.7 44.8 83.2





#11

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

Concen: 27.725 ug/L

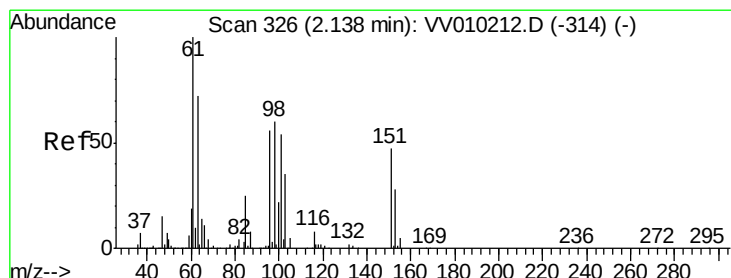
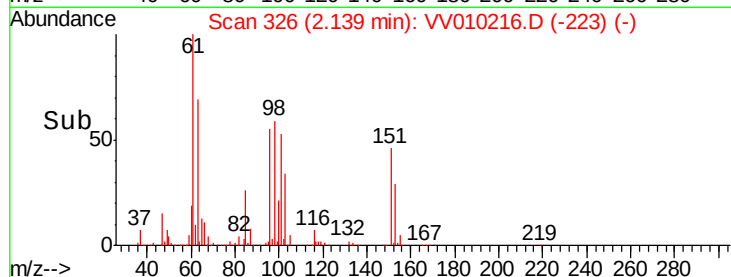
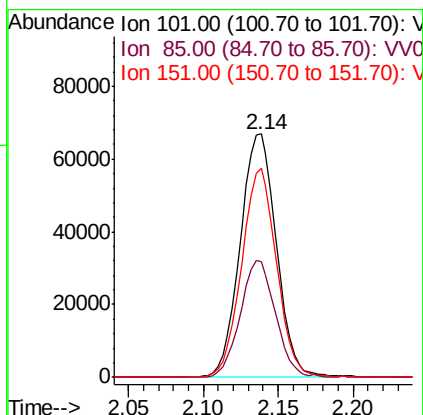
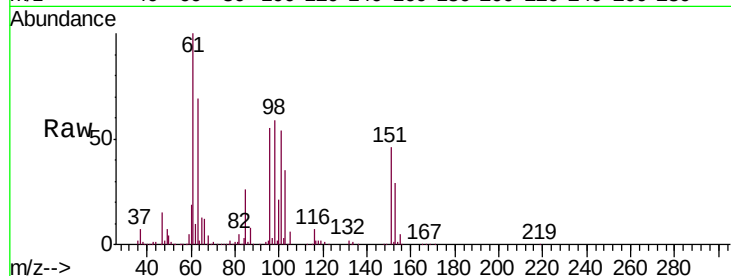
RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV010216.D

Acq: 10 Apr 2019 18:08

Tgt Ion:	101	Resp:	112913
Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.7	55.1
151	82.6	68.1	102.1



#12

1,1-Dichloroethene

Concen: 28.197 ug/L

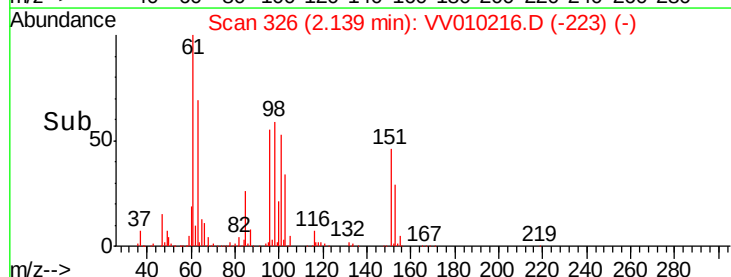
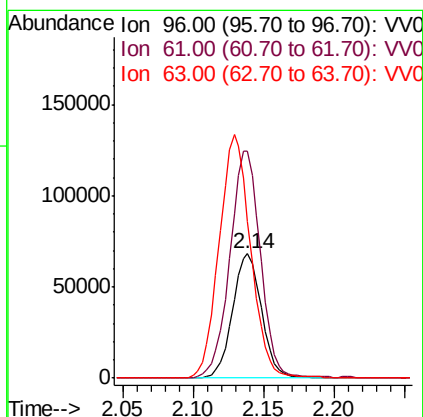
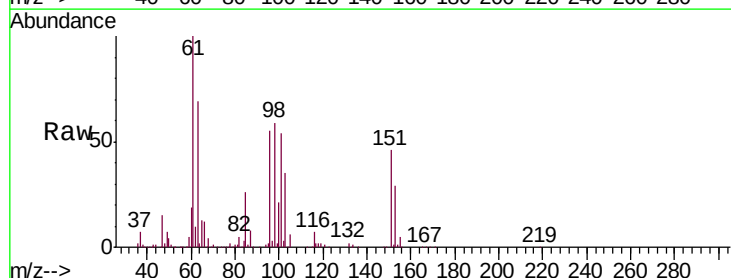
RT: 2.14 min Scan# 326

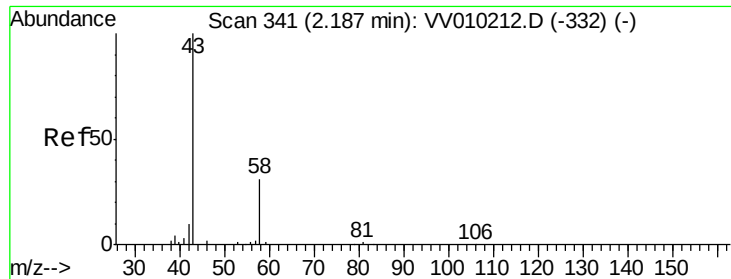
Delta R.T. 0.00 min

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Tgt Ion:	96	Resp:	98819
Ion	Ratio	Lower	Upper
96	100		
61	182.9	125.3	232.7
63	126.7	91.3	169.6





#13

Acetone

Concen: 50.740 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV010216.D

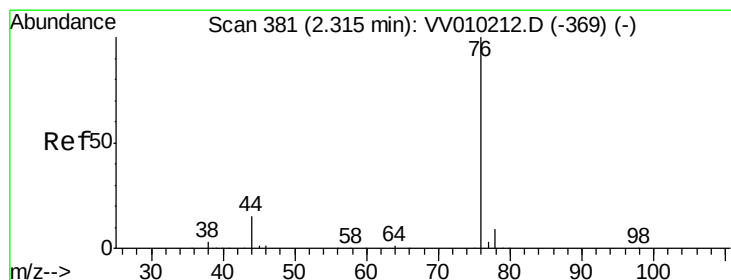
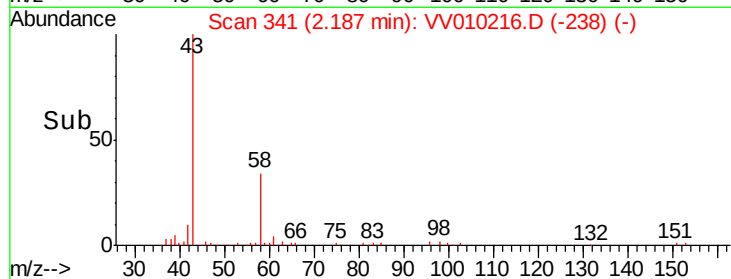
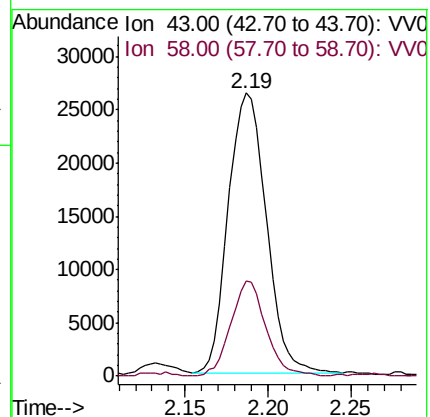
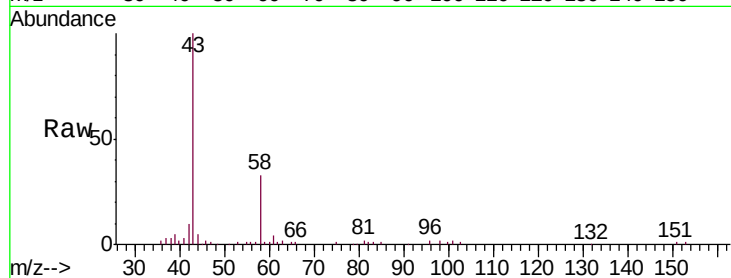
Acq: 10 Apr 2019 18:08

Tgt Ion: 43 Resp: 41951

Ion Ratio Lower Upper

43 100

58 31.3 0.0 61.6



#14

Carbon disulfide

Concen: 29.997 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV010216.D

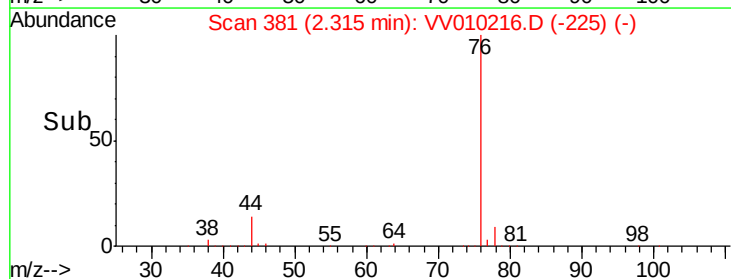
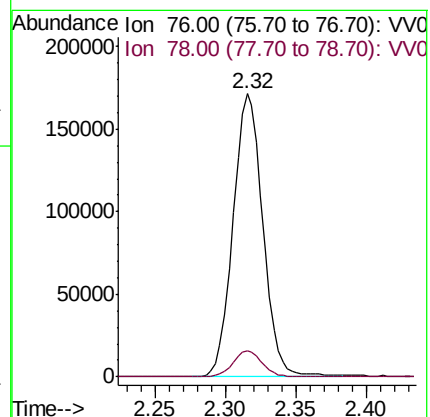
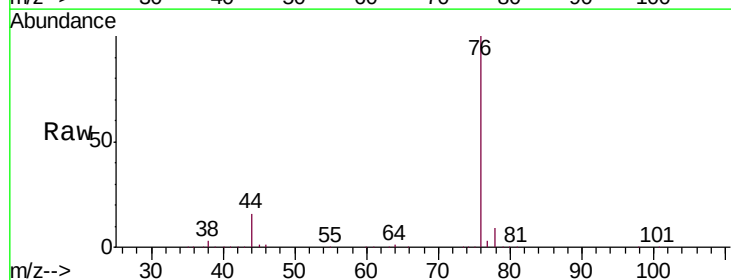
Acq: 10 Apr 2019 18:08

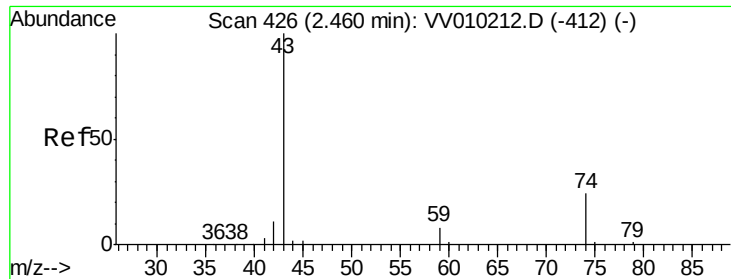
Tgt Ion: 76 Resp: 253885

Ion Ratio Lower Upper

76 100

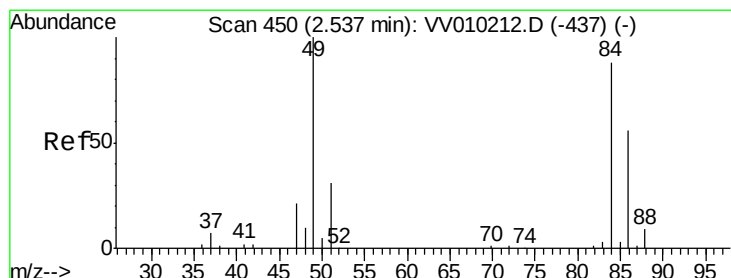
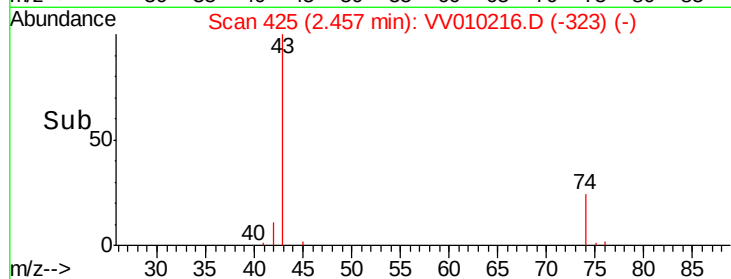
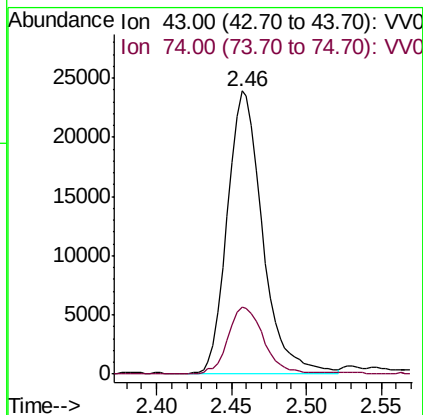
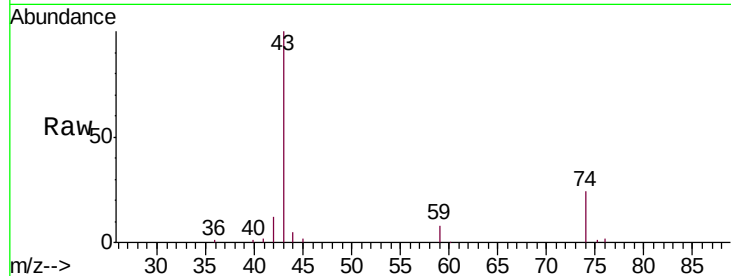
78 9.2 7.0 10.4





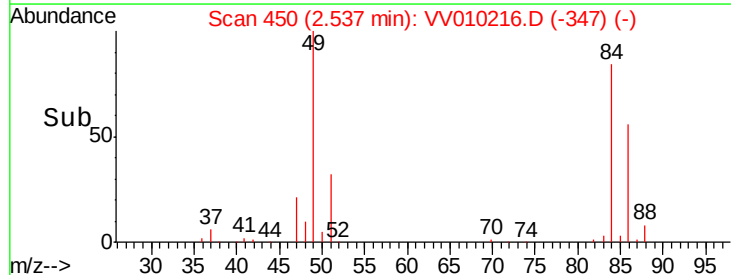
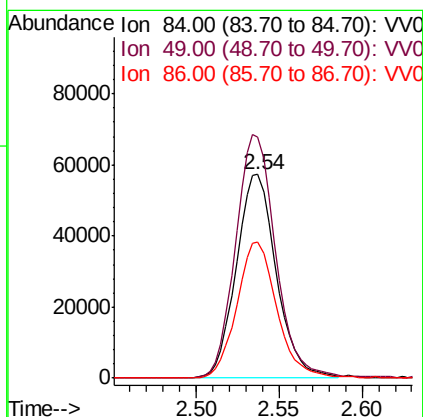
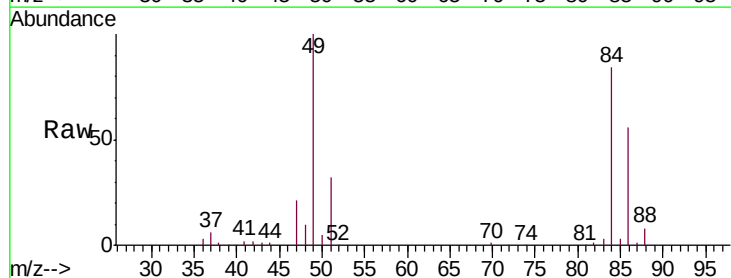
#15
Methyl Acetate
Concen: 26.787 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV010216.D
Acq: 10 Apr 2019 18:08

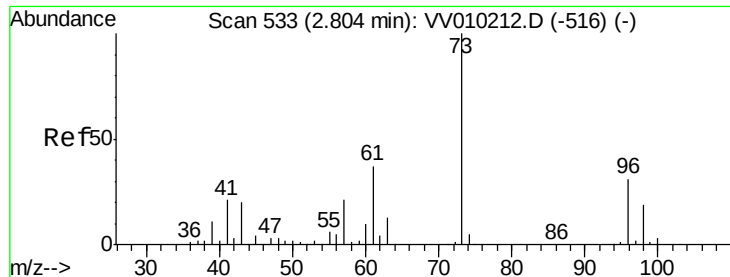
Tgt Ion: 43 Resp: 39445
Ion Ratio Lower Upper
43 100
74 24.0 19.3 28.9



#16
Methylene chloride
Concen: 18.560 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV010216.D
Acq: 10 Apr 2019 18:08

Tgt Ion: 84 Resp: 96551
Ion Ratio Lower Upper
84 100
49 118.7 79.9 148.5
86 66.8 44.5 82.7

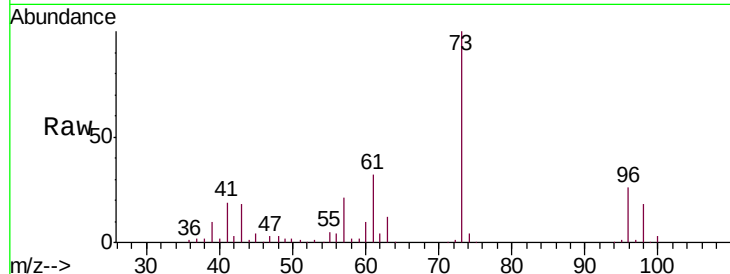




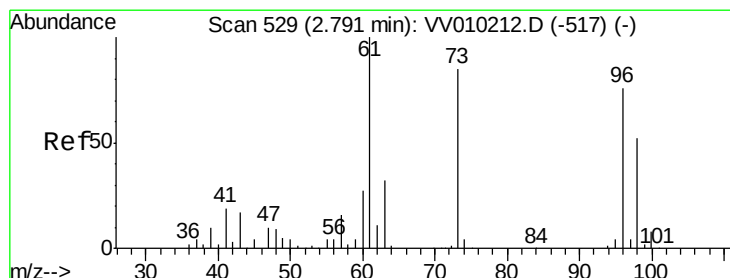
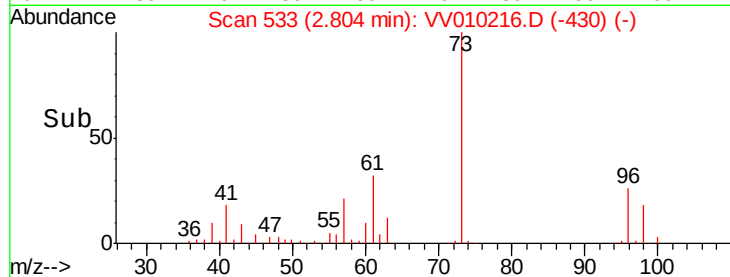
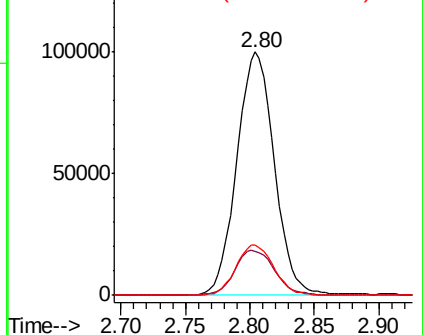
#17

Methyl tert-butyl Ether
 Concen: 26.745 ug/L
 RT: 2.80 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VV010216.D
 Acq: 10 Apr 2019 18:08

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.5	16.0	24.0
57	20.9	16.6	24.8



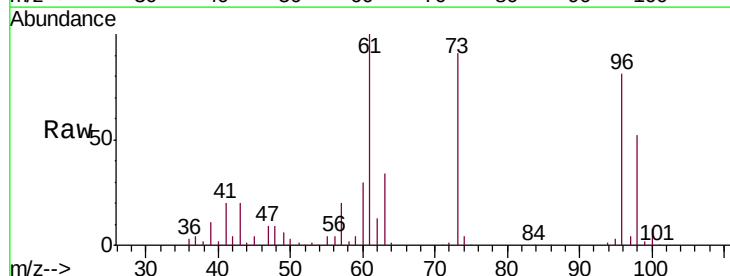
Abundance Ion 73.00 (72.70 to 73.70): VV0
 Ion 43.00 (42.70 to 43.70): VV0
 Ion 57.00 (56.70 to 57.70): VV0



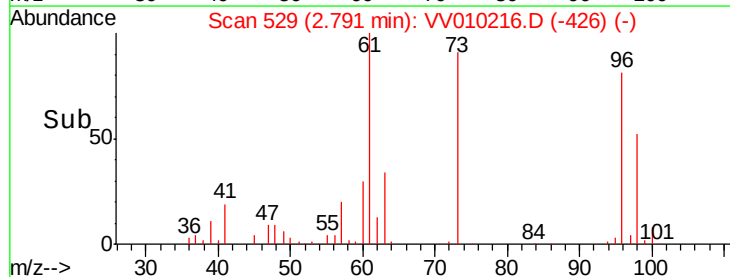
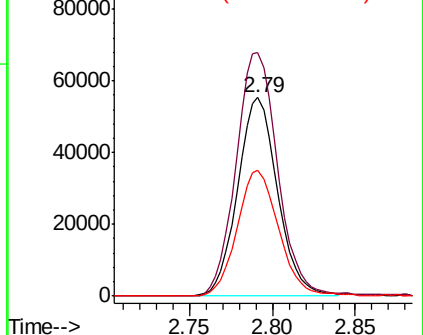
#18

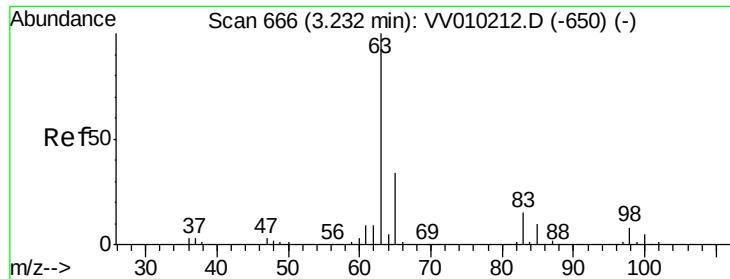
trans-1,2-Dichloroethene
 Concen: 27.846 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV010216.D
 Acq: 10 Apr 2019 18:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	122.7	92.5	171.9
98	63.4	47.9	89.1



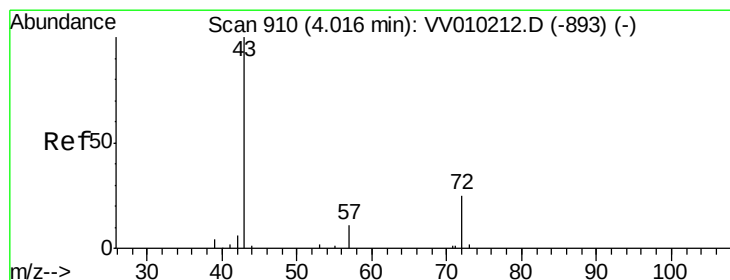
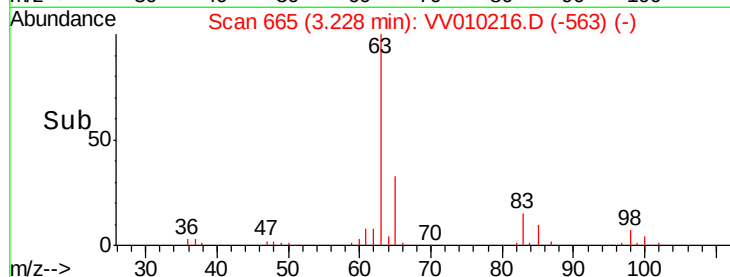
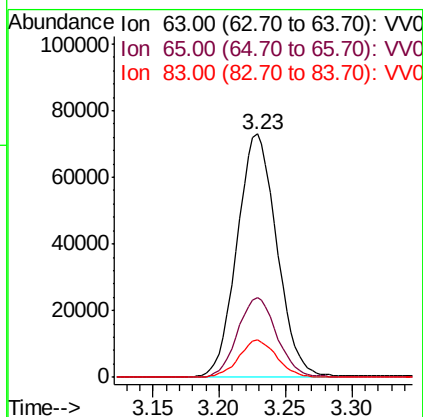
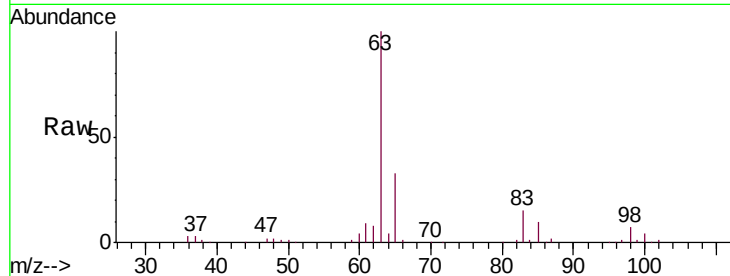
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





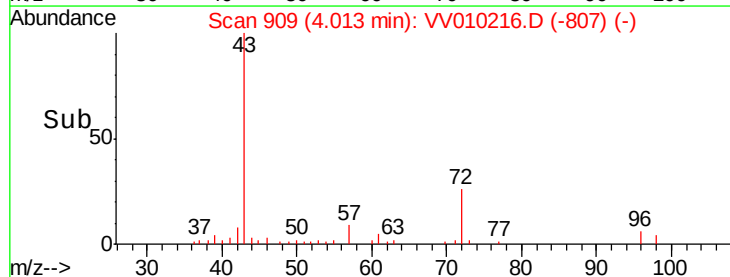
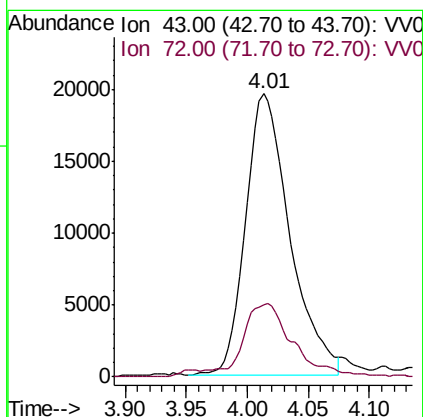
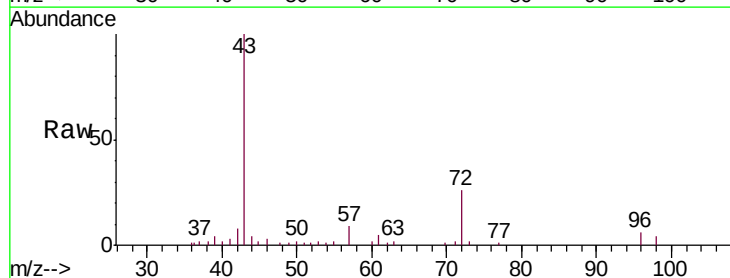
#19
 1,1-Dichloroethane
 Concen: 27.918 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV010216.D
 Acq: 10 Apr 2019 18:08

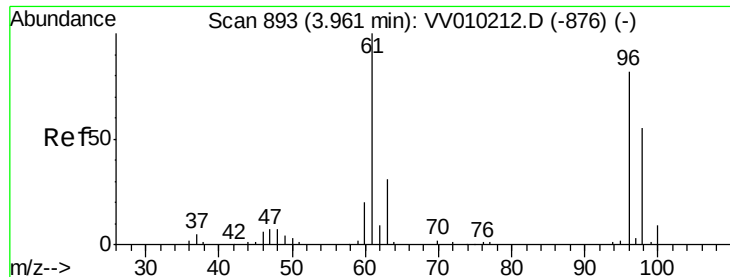
Tgt Ion: 63 Resp: 152929
 Ion Ratio Lower Upper
 63 100
 65 32.6 23.8 44.2
 83 15.2 10.8 20.0



#21
 2-Butanone
 Concen: 52.139 ug/L
 RT: 4.01 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: VV010216.D
 Acq: 10 Apr 2019 18:08

Tgt Ion: 43 Resp: 49167
 Ion Ratio Lower Upper
 43 100
 72 25.6 13.5 40.4

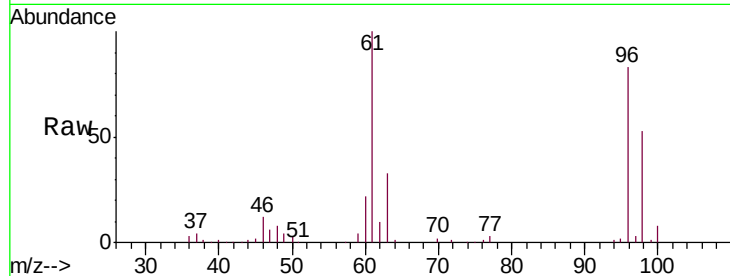




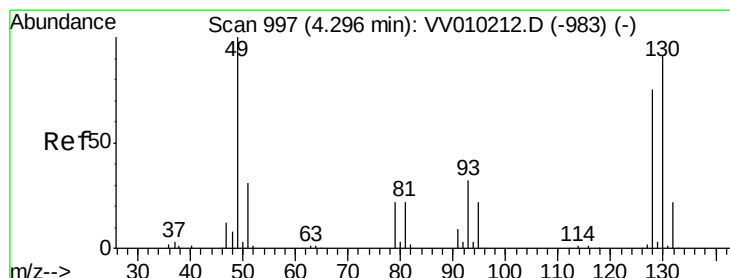
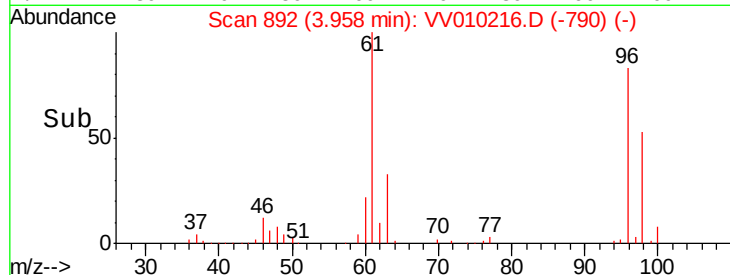
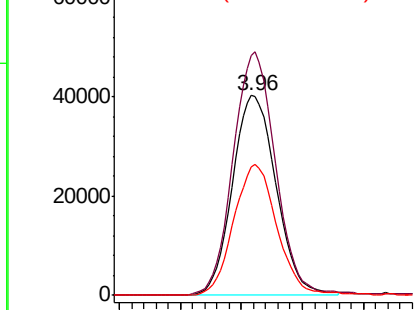
#22

cis-1,2-Dichloroethene
 Concen: 27.630 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV010216.D
 Acq: 10 Apr 2019 18:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	119.9	84.9	157.7
98	64.1	47.0	87.4



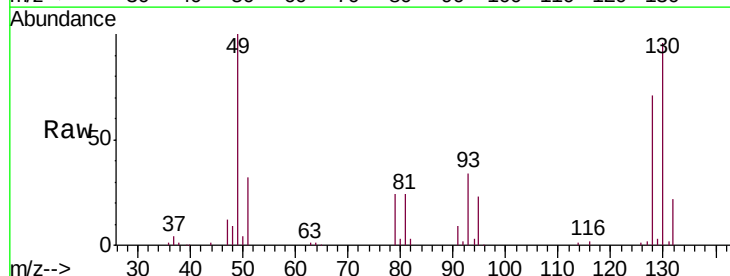
Abundance Ion 96.00 (95.70 to 96.70): VV010216.D (-790) (-)
 Ion 61.00 (60.70 to 61.70): VV010216.D (-790) (-)
 Ion 98.00 (97.70 to 98.70): VV010216.D (-790) (-)



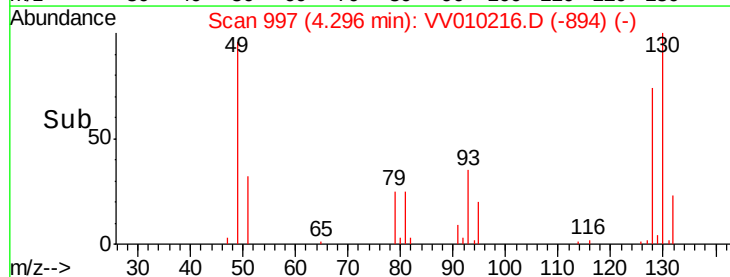
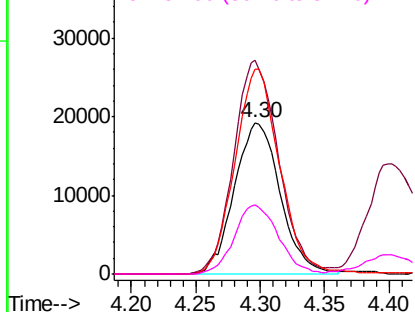
#23

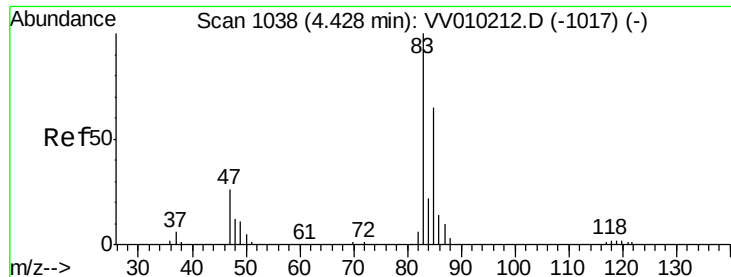
Bromochloromethane
 Concen: 26.667 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV010216.D
 Acq: 10 Apr 2019 18:08

Tgt Ion	Ratio	Lower	Upper
128	100		
49	141.3	93.4	173.4
130	135.9	84.5	156.9
51	45.6	32.5	48.7



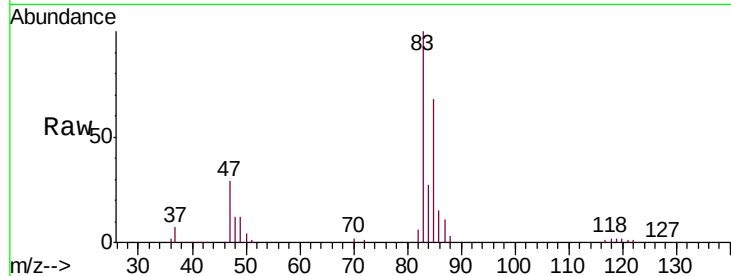
Abundance Ion 128.00 (127.70 to 128.70): VV010216.D (-894) (-)
 Ion 49.00 (48.70 to 49.70): VV010216.D (-894) (-)
 Ion 130.00 (129.70 to 130.70): VV010216.D (-894) (-)
 Ion 51.00 (50.70 to 51.70): VV010216.D (-894) (-)



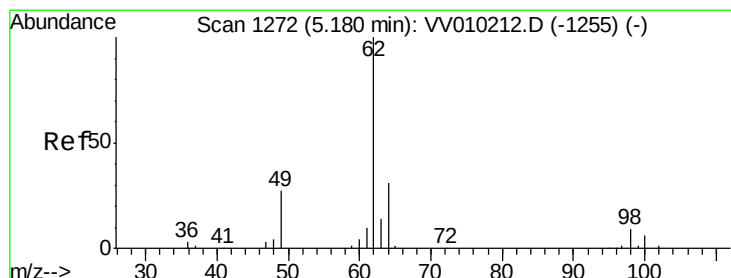
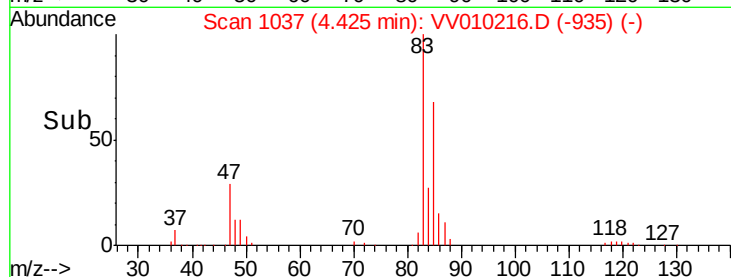
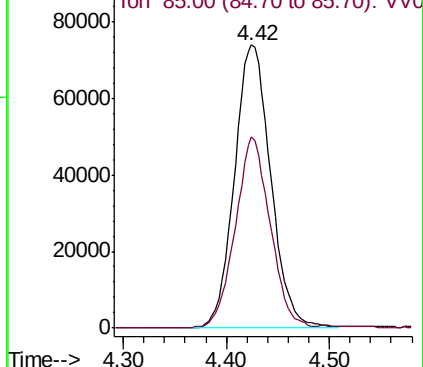


#25
Chloroform
Concen: 27.811 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV010216.D
Acq: 10 Apr 2019 18:08

Tgt Ion: 83 Resp: 180956
Ion Ratio Lower Upper
83 100
85 65.0 45.4 84.2

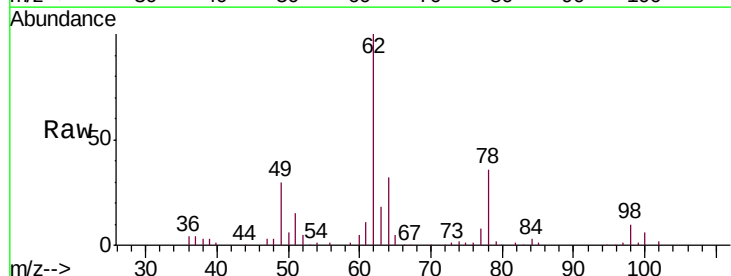


Abundance Ion 83.00 (82.70 to 83.70): VV010216.D (-935) (-)
Ion 85.00 (84.70 to 85.70): VV010216.D (-935) (-)

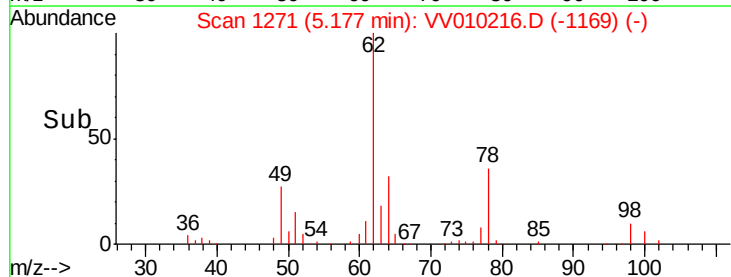
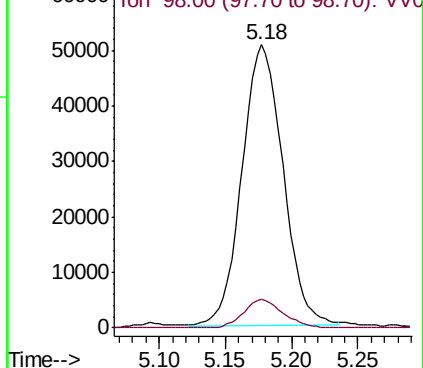


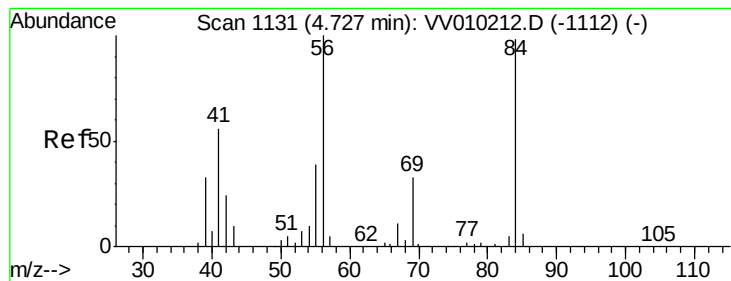
#27
1,2-Dichloroethane
Concen: 26.200 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV010216.D
Acq: 10 Apr 2019 18:08

Tgt Ion: 62 Resp: 109101
Ion Ratio Lower Upper
62 100
98 10.0 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV010216.D (-1169) (-)
Ion 98.00 (97.70 to 98.70): VV010216.D (-1169) (-)





#30

Cyclohexane

Concen: 29.045 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV010216.D

Acq: 10 Apr 2019 18:08

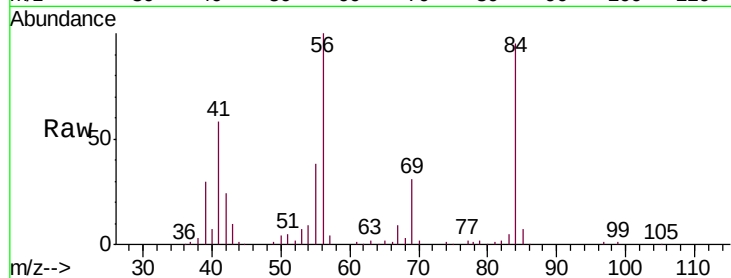
Tgt Ion: 56 Resp: 139478

Ion Ratio Lower Upper

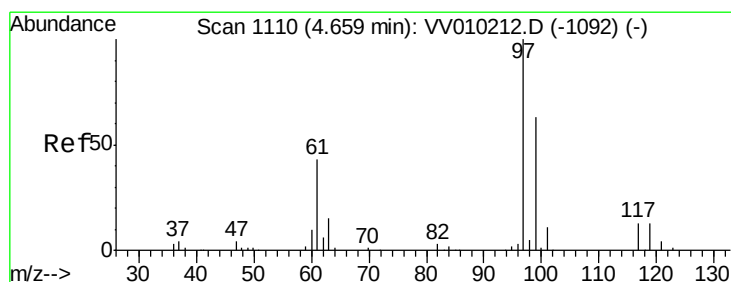
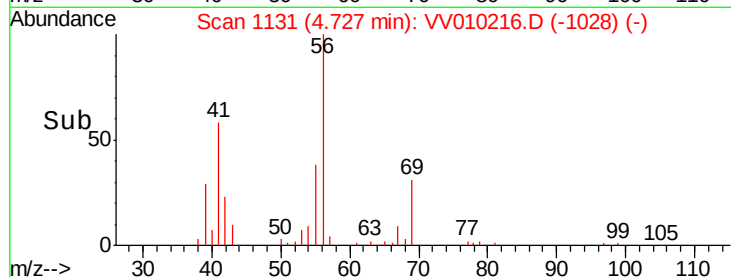
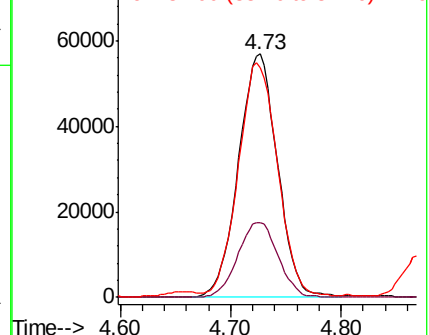
56 100

69 31.6 25.7 38.5

84 95.3 77.5 116.3



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#31

1,1,1-Trichloroethane

Concen: 28.955 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV010216.D

Acq: 10 Apr 2019 18:08

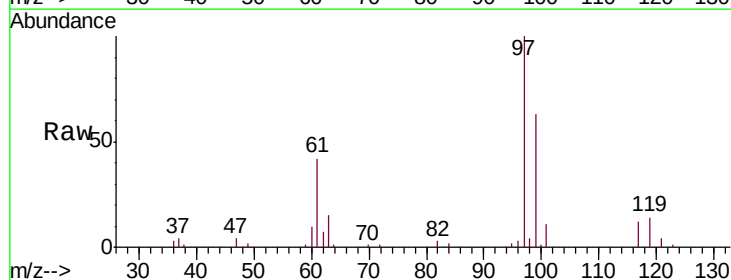
Tgt Ion: 97 Resp: 155317

Ion Ratio Lower Upper

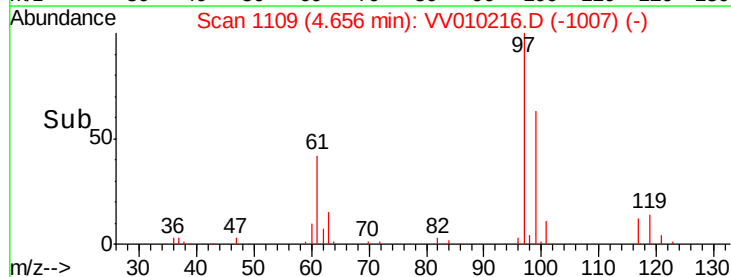
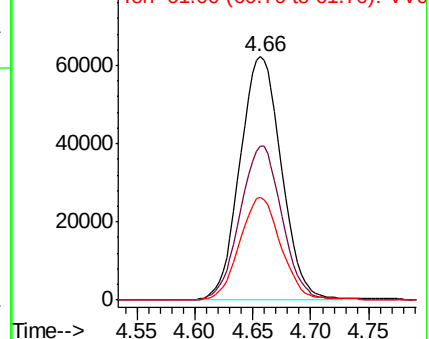
97 100

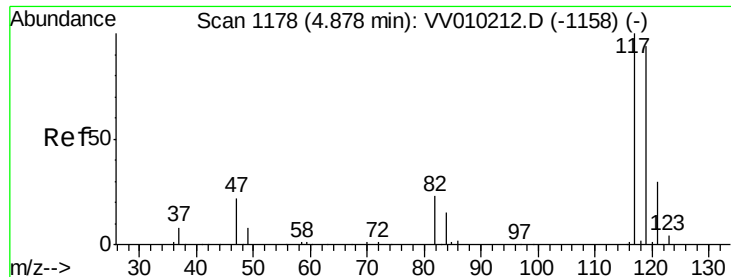
99 63.8 52.2 78.2

61 41.9 33.4 50.0



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 29.790 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV010216.D

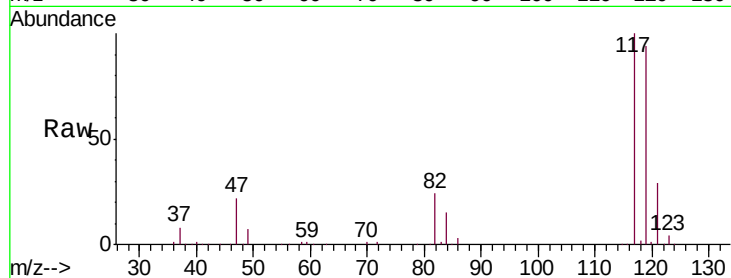
Acq: 10 Apr 2019 18:08

Tgt Ion: 117 Resp: 148905

Ion Ratio Lower Upper

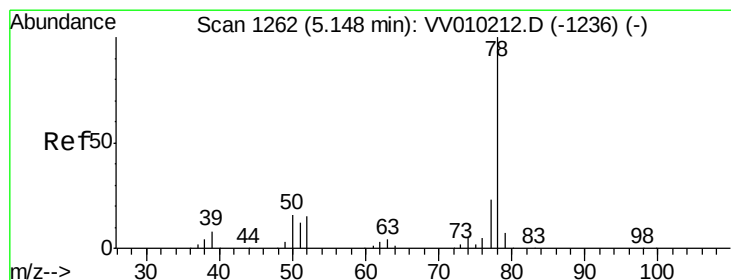
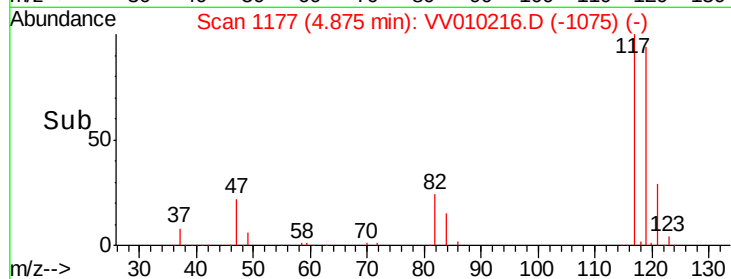
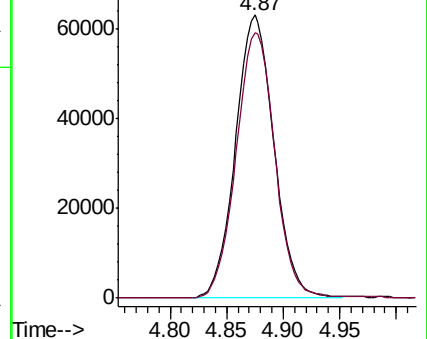
117 100

119 94.2 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.548 ug/L

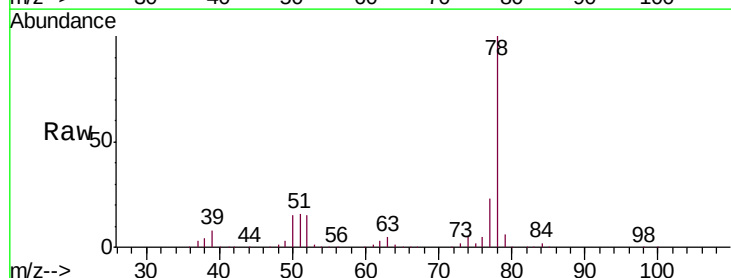
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

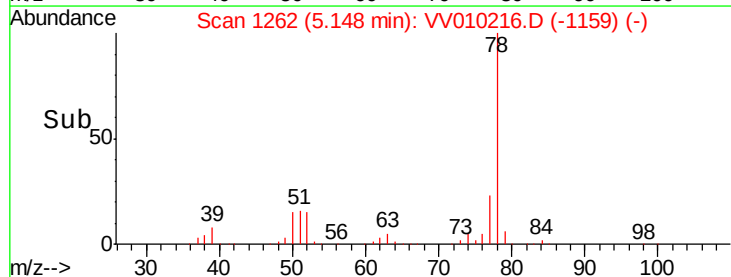
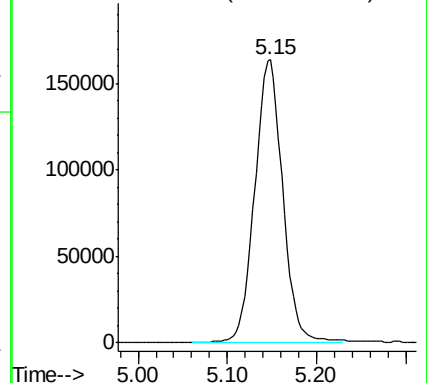
Lab File: VV010216.D

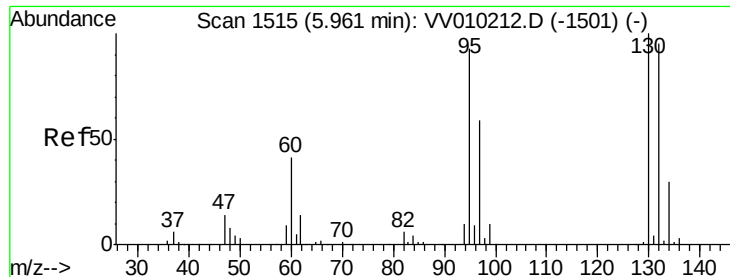
Acq: 10 Apr 2019 18:08

Tgt Ion: 78 Resp: 358087



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 28.194 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV010216.D

Acq: 10 Apr 2019 18:08

Tgt Ion: 95 Resp: 105891

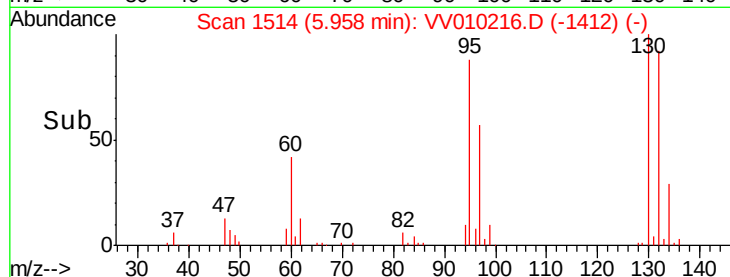
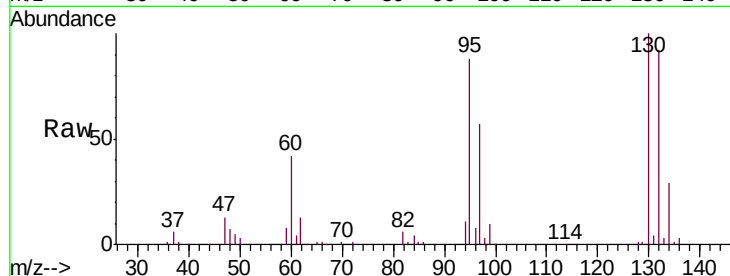
Ion Ratio Lower Upper

95 100

97 64.4 44.3 82.3

132 102.2 71.3 132.3

130 108.2 73.4 136.4

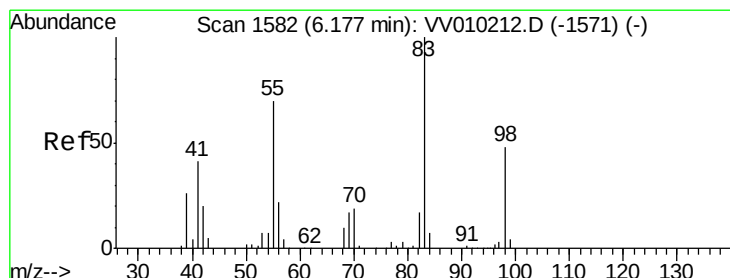
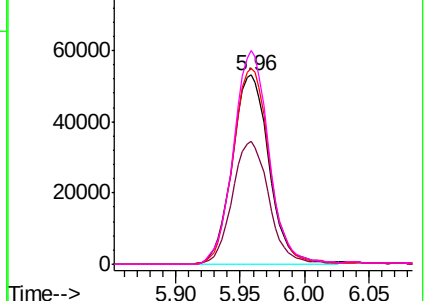


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#36

Methylcyclohexane

Concen: 29.726 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV010216.D

Acq: 10 Apr 2019 18:08

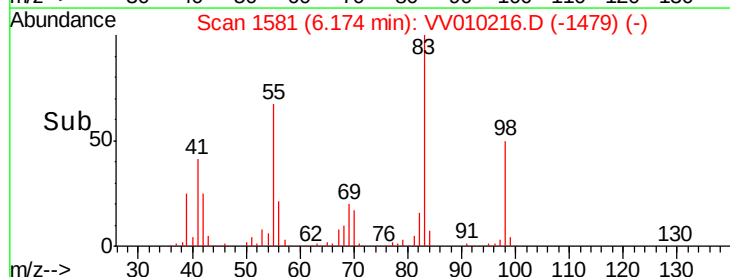
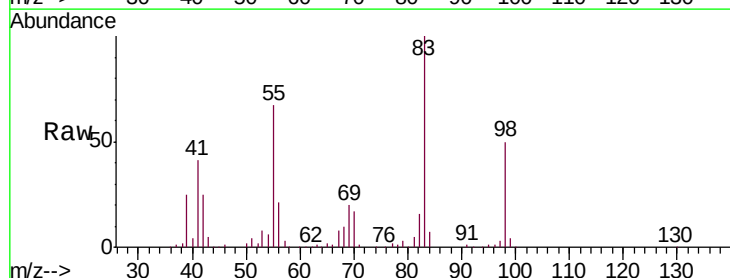
Tgt Ion: 83 Resp: 166829

Ion Ratio Lower Upper

83 100

55 70.1 55.7 83.5

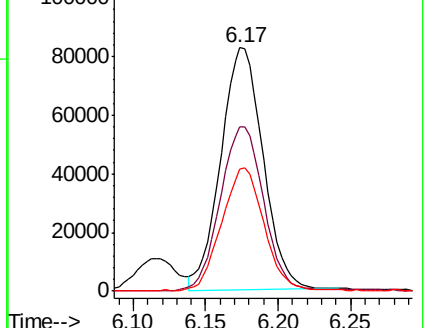
98 51.2 39.4 59.2

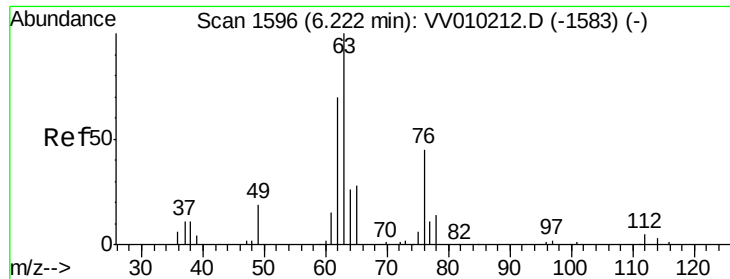


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 26.285 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV010216.D

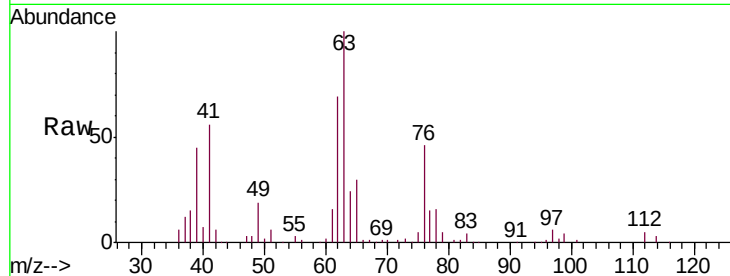
Acq: 10 Apr 2019 18:08

Tgt Ion: 63 Resp: 83604

Ion Ratio Lower Upper

63 100

112 4.9 4.0 6.0

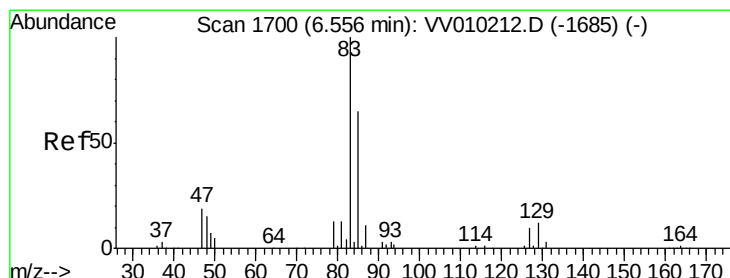
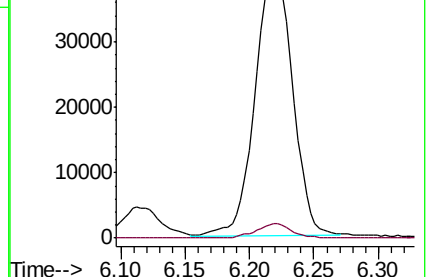
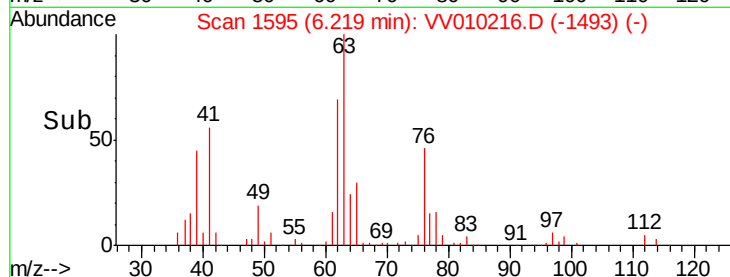


Abundance Ion 63.00 (62.70 to 63.70): VV010212.D (-1583) (-)

Ion 112.00 (111.70 to 112.70): VV010212.D (-1583) (-)

6.22

Time-->



#41

Bromodichloromethane

Concen: 27.511 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV010216.D

Acq: 10 Apr 2019 18:08

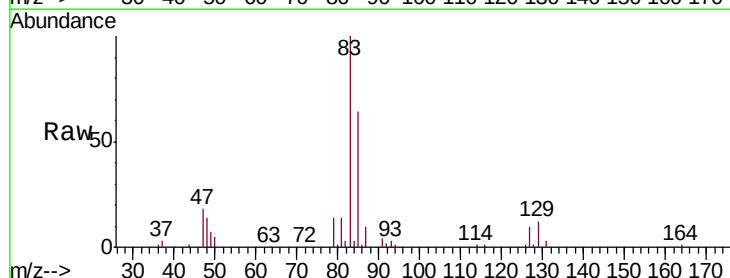
Tgt Ion: 83 Resp: 116593

Ion Ratio Lower Upper

83 100

85 64.1 45.7 84.9

127 9.5 8.2 12.2



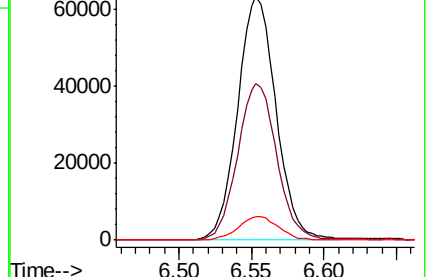
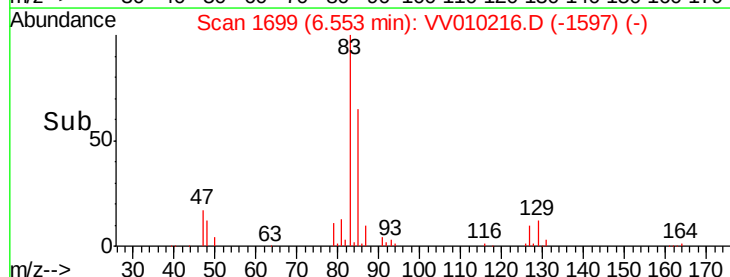
Abundance Ion 83.00 (82.70 to 83.70): VV010212.D (-1685) (-)

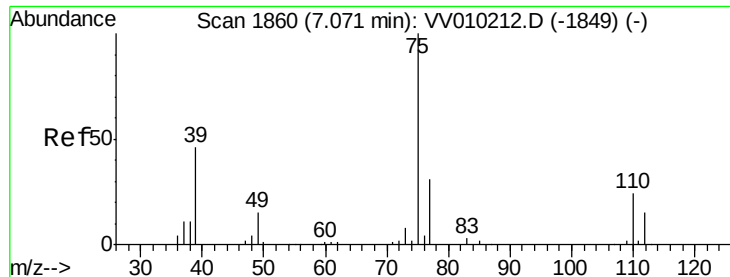
Ion 85.00 (84.70 to 85.70): VV010212.D (-1685) (-)

Ion 127.00 (126.70 to 127.70): VV010212.D (-1685) (-)

6.55

Time-->





#42

cis-1,3-Dichloropropene

Concen: 28.181 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV010216.D

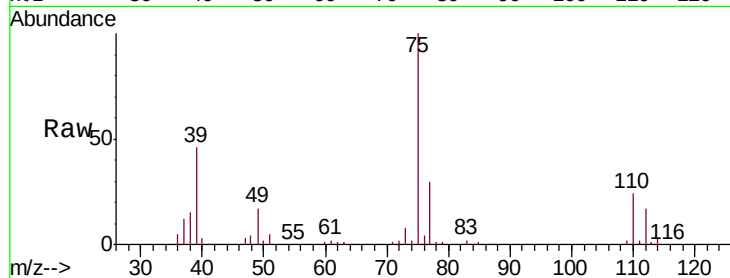
Acq: 10 Apr 2019 18:08

Tgt Ion: 75 Resp: 135836

Ion Ratio Lower Upper

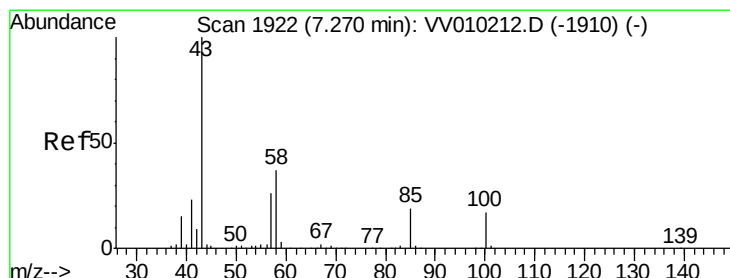
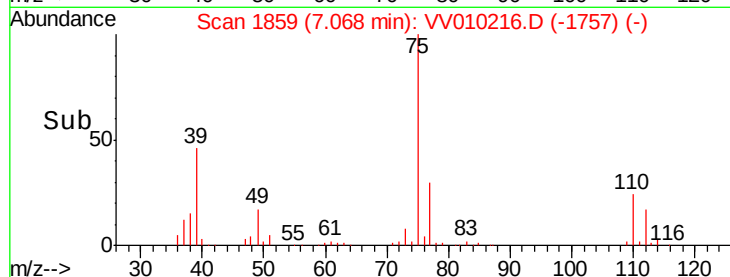
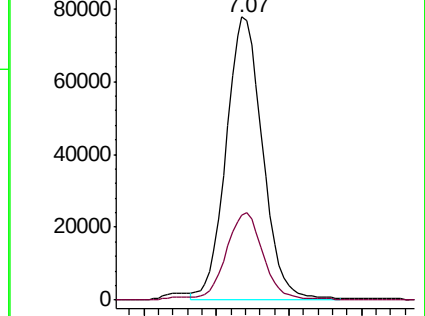
75 100

77 30.2 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#43

4-Methyl-2-pentanone

Concen: 51.031 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV010216.D

Acq: 10 Apr 2019 18:08

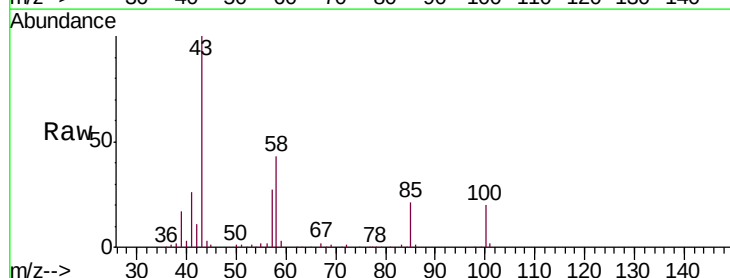
Tgt Ion: 43 Resp: 105052

Ion Ratio Lower Upper

43 100

58 41.4 30.4 45.6

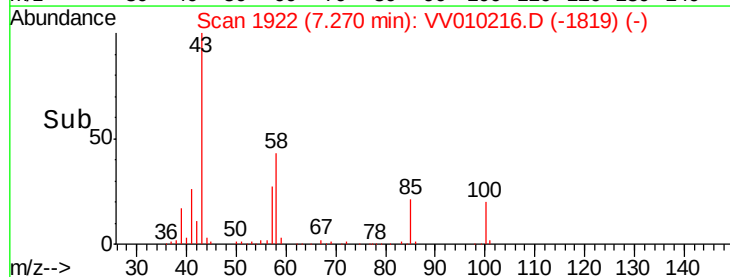
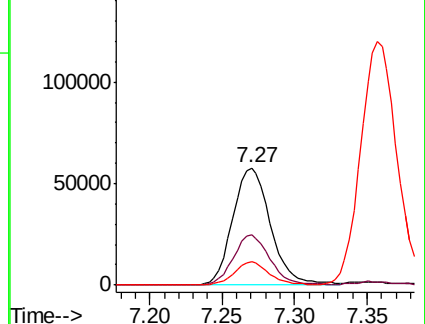
100 18.0 13.5 20.3

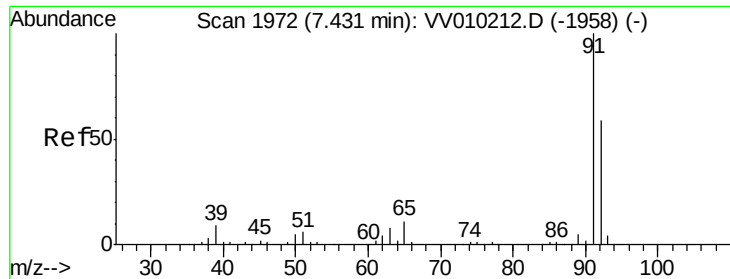


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#44

Toluene

Concen: 28.256 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010216.D

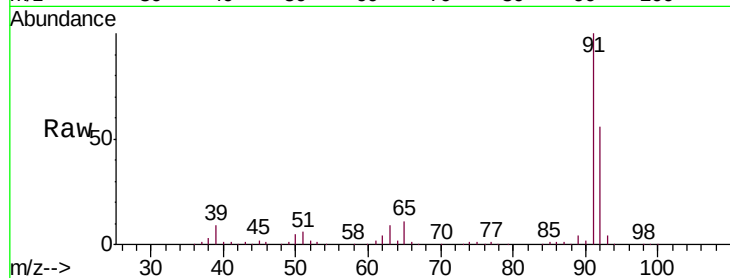
Acq: 10 Apr 2019 18:08

Tgt Ion: 91 Resp: 412914

Ion Ratio Lower Upper

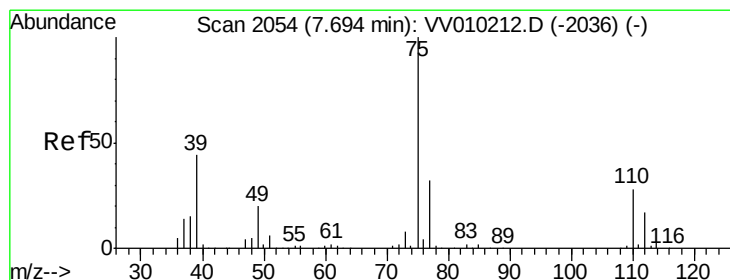
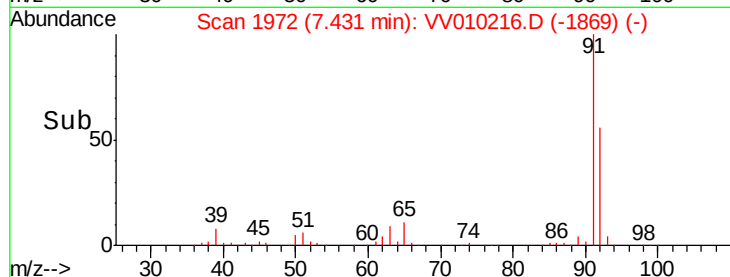
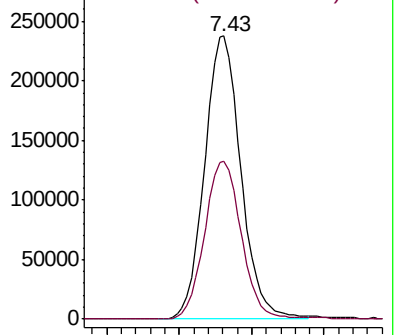
91 100

92 56.0 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#45

trans-1,3-Dichloropropene

Concen: 27.739 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV010216.D

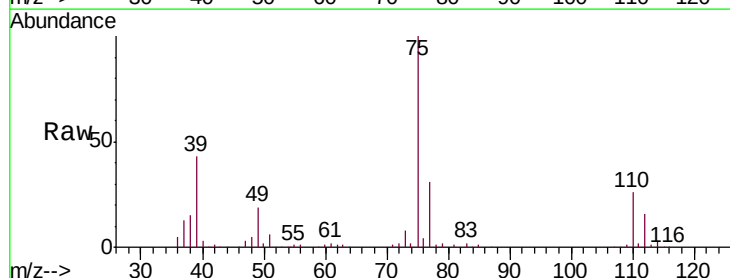
Acq: 10 Apr 2019 18:08

Tgt Ion: 75 Resp: 112212

Ion Ratio Lower Upper

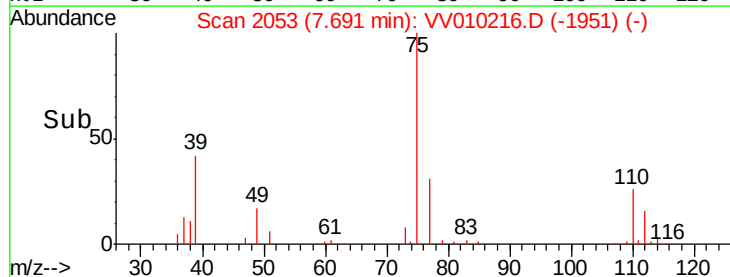
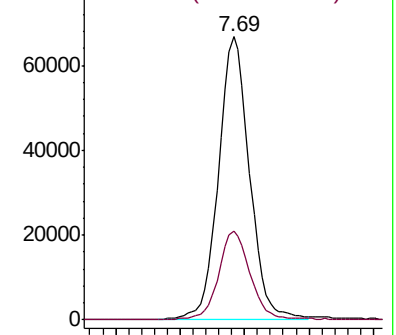
75 100

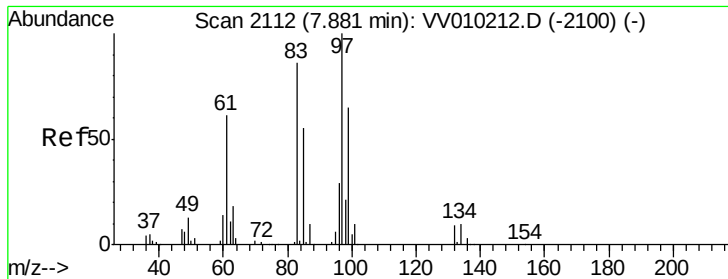
77 31.2 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

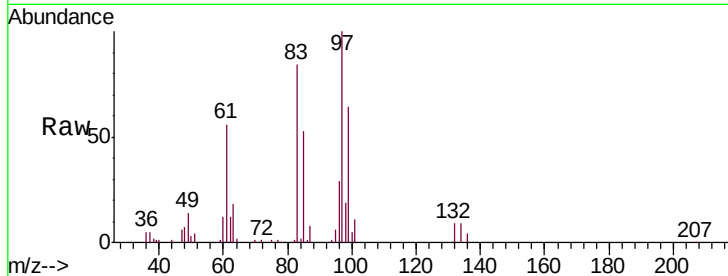
Ion 77.00 (76.70 to 77.70): VV0





#46
 1,1,2-Trichloroethane
 Concen: 27.568 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV010216.D
 Acq: 10 Apr 2019 18:08

Tgt Ion:	97	Resp:	74380
Ion	Ratio	Lower	Upper
97	100		
83	83.5	60.5	112.5
85	53.2	38.8	72.0
99	64.3	45.6	84.6

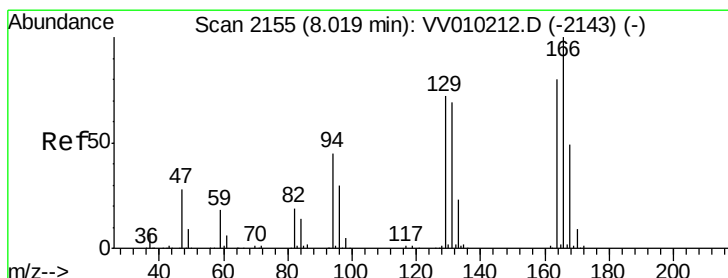
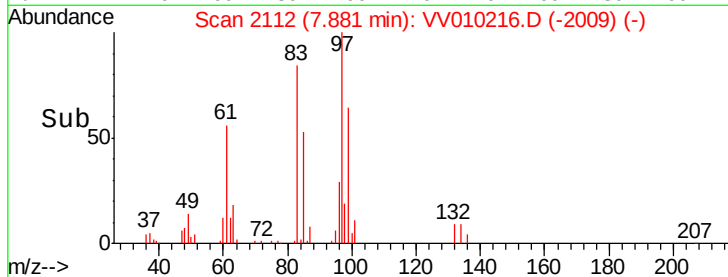
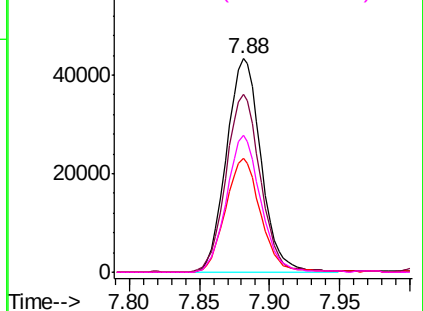


Abundance Ion 97.00 (96.70 to 97.70): VV010216.D (-2099) (-)

Ion 83.00 (82.70 to 83.70): VV010216.D (-2099) (-)

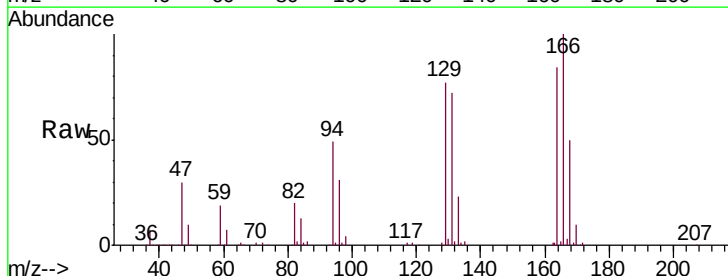
Ion 85.00 (84.70 to 85.70): VV010216.D (-2099) (-)

Ion 99.00 (98.70 to 99.70): VV010216.D (-2099) (-)



#47
 Tetrachloroethene
 Concen: 28.831 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV010216.D
 Acq: 10 Apr 2019 18:08

Tgt Ion:	164	Resp:	95994
Ion	Ratio	Lower	Upper
164	100		
129	91.9	62.6	116.2
131	85.5	60.0	111.4
166	118.7	87.4	162.2

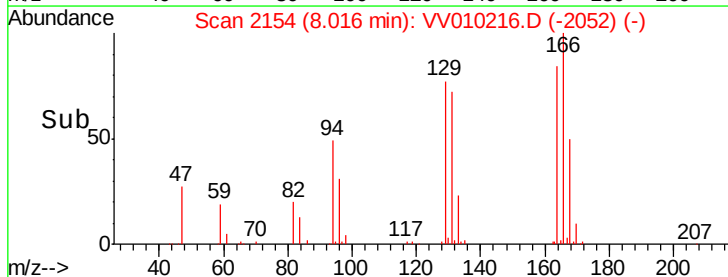
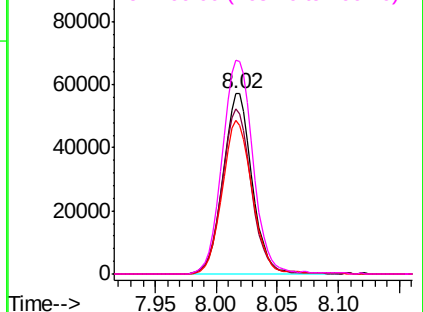


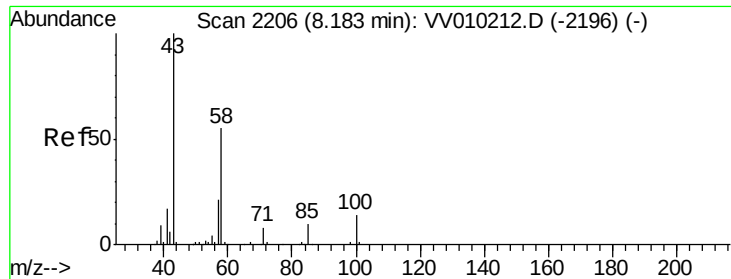
Abundance Ion 164.00 (163.70 to 164.70): VV010216.D (-2052) (-)

Ion 129.00 (128.70 to 129.70): VV010216.D (-2052) (-)

Ion 131.00 (130.70 to 131.70): VV010216.D (-2052) (-)

Ion 166.00 (165.70 to 166.70): VV010216.D (-2052) (-)





#49

2-Hexanone

Concen: 56.753 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VV010216.D

Acq: 10 Apr 2019 18:08

Tgt Ion: 43 Resp: 76815

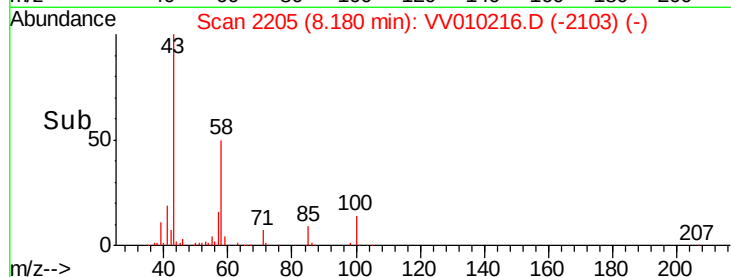
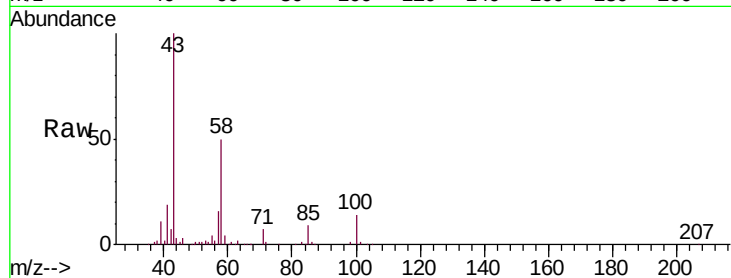
Ion Ratio Lower Upper

43 100

58 50.2 42.8 64.2

57 18.5 16.2 24.4

100 14.2 11.1 16.7

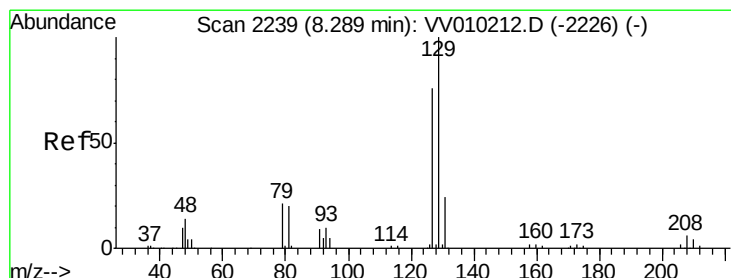
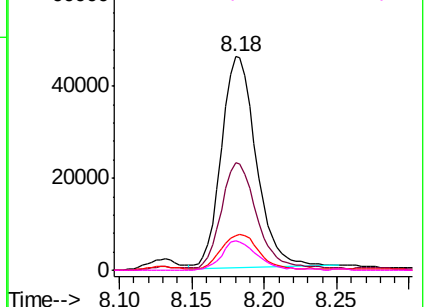


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#50

Dibromochloromethane

Concen: 27.416 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV010216.D

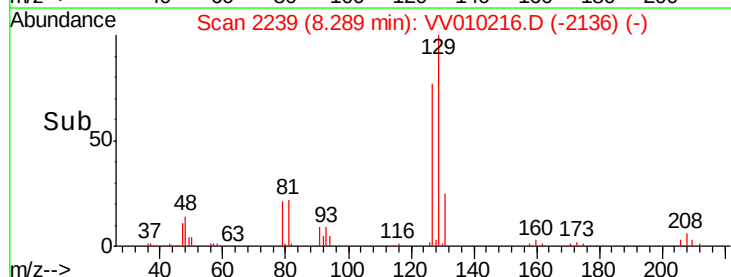
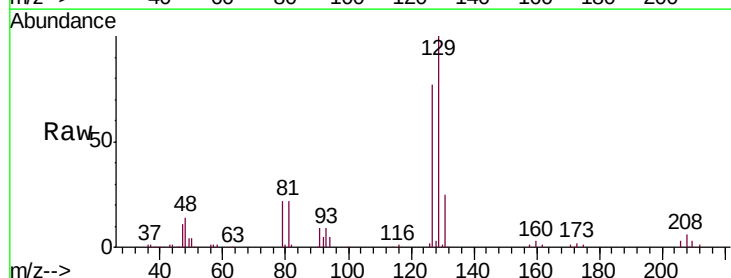
Acq: 10 Apr 2019 18:08

Tgt Ion: 129 Resp: 90486

Ion Ratio Lower Upper

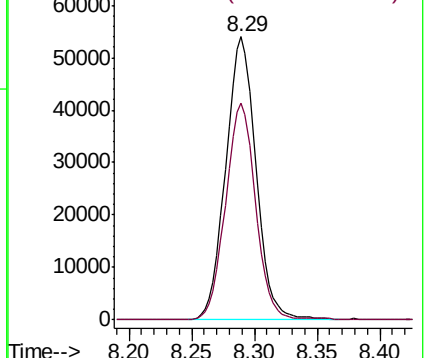
129 100

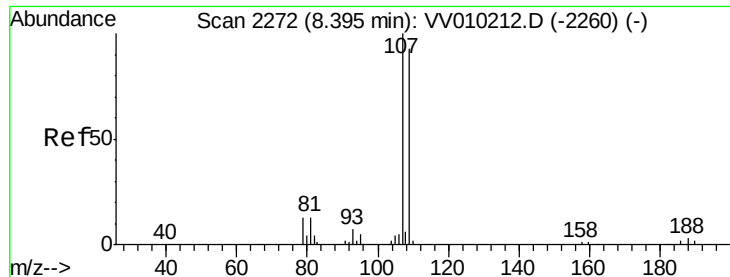
127 76.6 52.8 98.2



Abundance Ion 129.00 (128.70 to 129.70): V

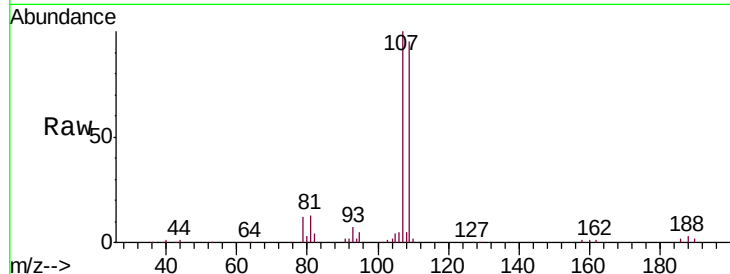
Ion 127.00 (126.70 to 127.70): V



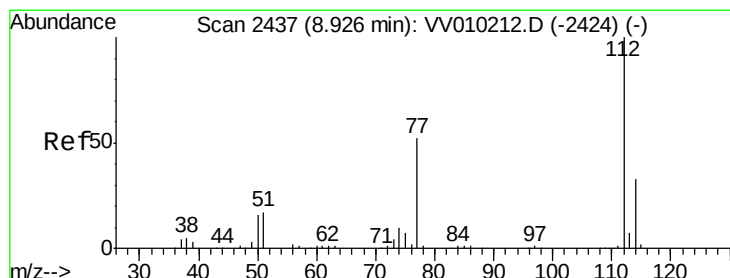
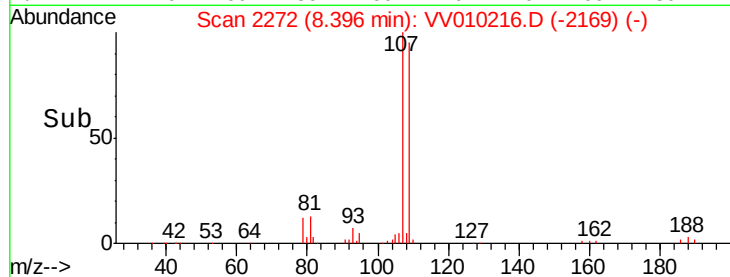
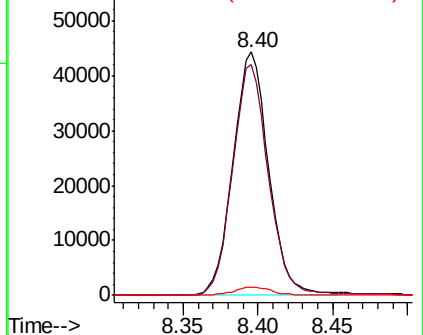


#51
1,2-Dibromoethane
Concen: 26.756 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV010216.D
Acq: 10 Apr 2019 18:08

Tgt Ion:107 Resp: 73628
Ion Ratio Lower Upper
107 100
109 94.7 65.2 121.0
188 3.2 2.7 4.1

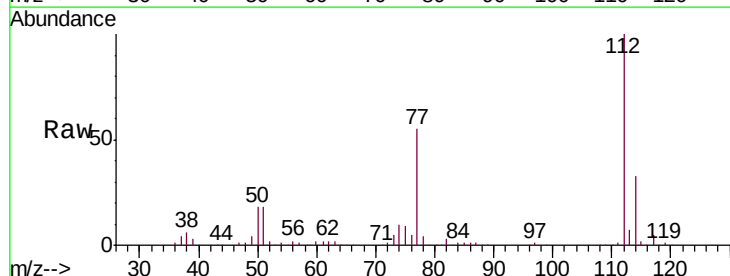


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

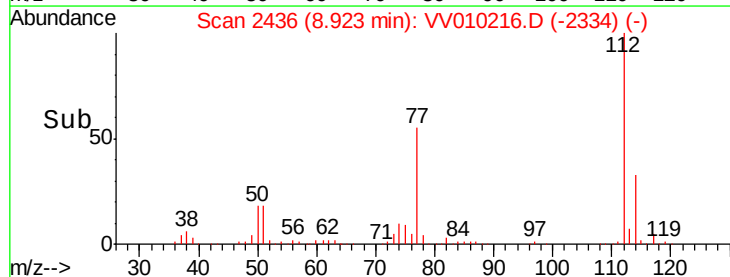
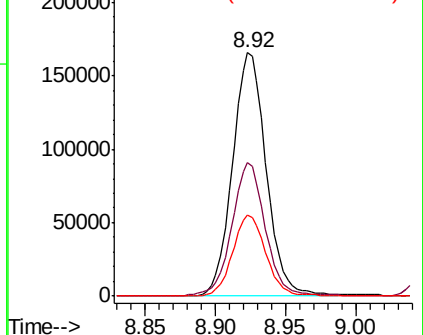


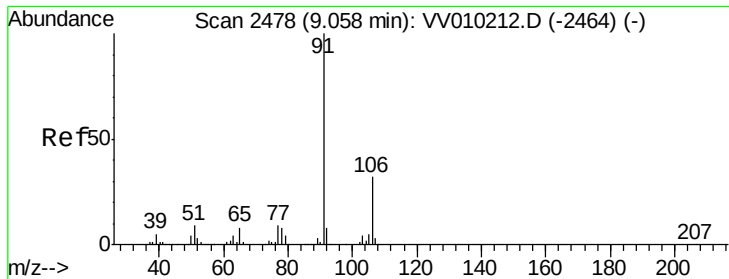
#52
Chlorobenzene
Concen: 27.250 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV010216.D
Acq: 10 Apr 2019 18:08

Tgt Ion:112 Resp: 277872
Ion Ratio Lower Upper
112 100
77 54.7 42.2 63.2
114 33.4 23.4 43.4



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 29.189 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV010216.D

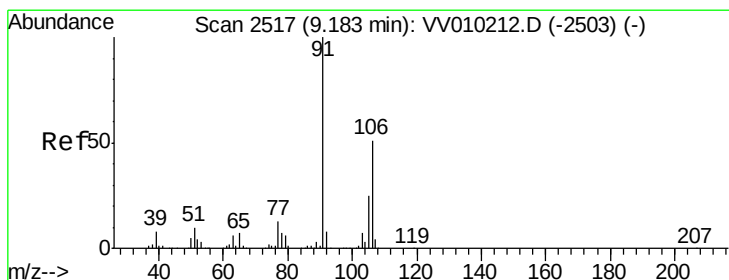
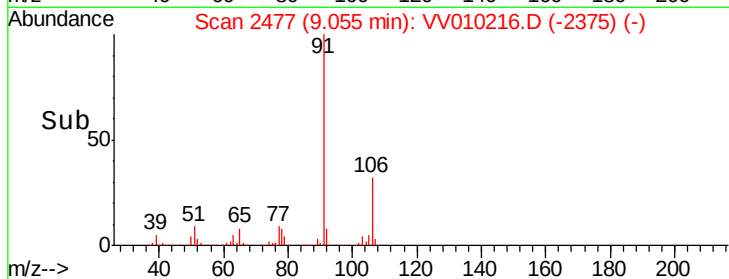
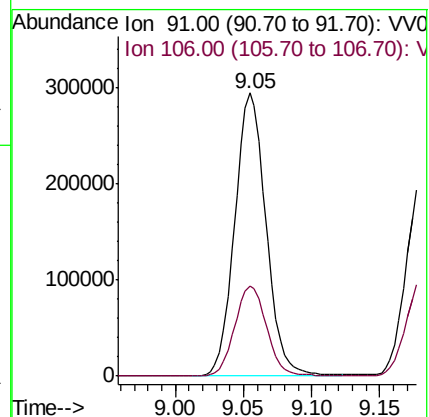
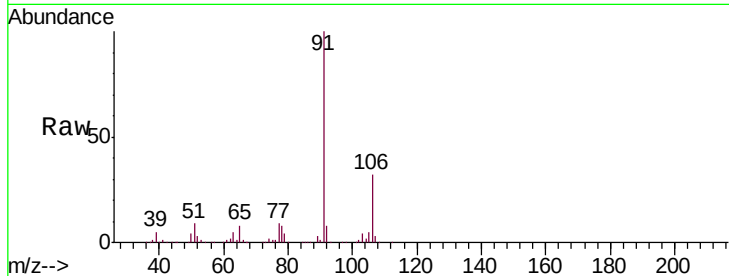
Acq: 10 Apr 2019 18:08

Tgt Ion: 91 Resp: 470358

Ion Ratio Lower Upper

91 100

106 31.9 22.5 41.9



#54

m,p-Xylene

Concen: 29.000 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010216.D

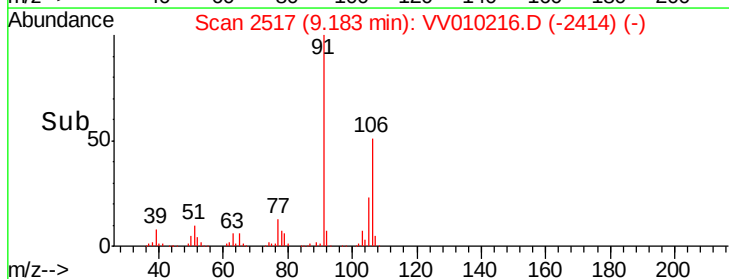
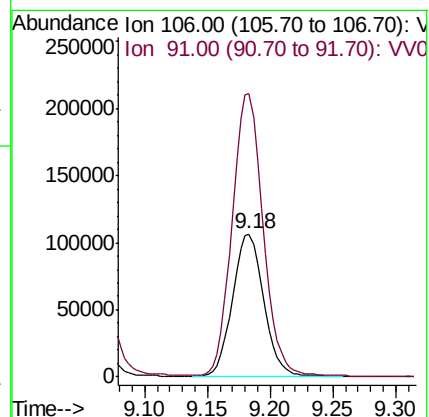
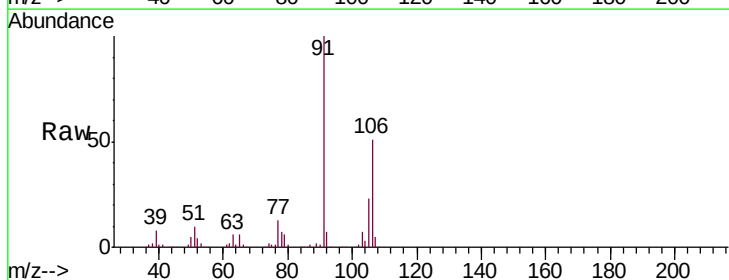
Acq: 10 Apr 2019 18:08

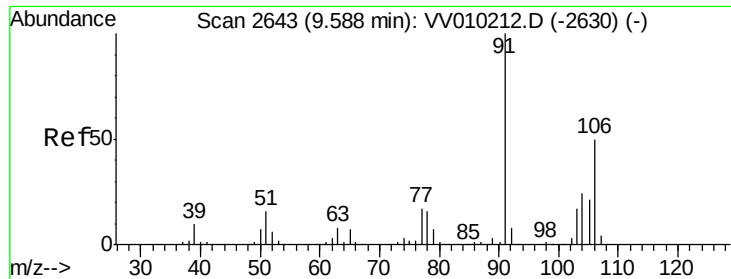
Tgt Ion: 106 Resp: 184354

Ion Ratio Lower Upper

106 100

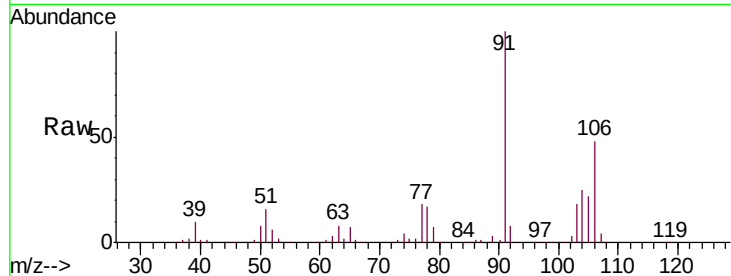
91 197.7 136.6 253.6



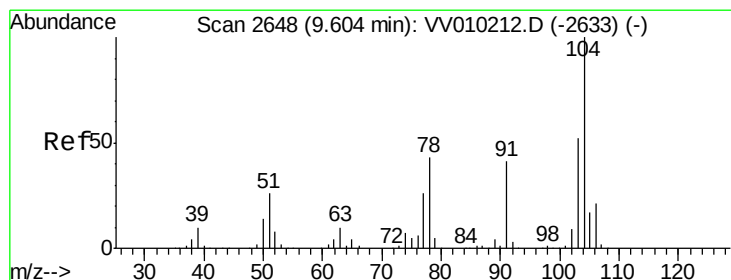
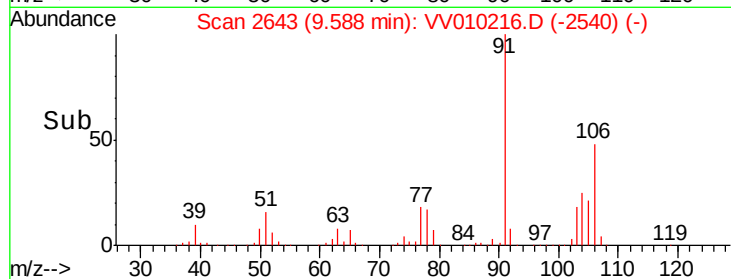
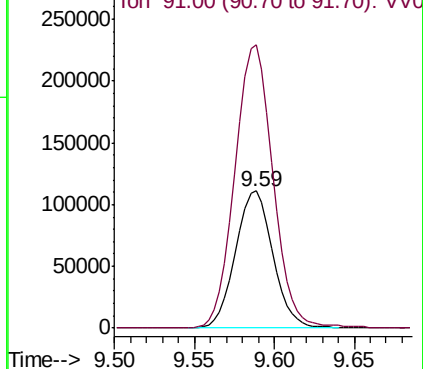


#55
o-xylene
Concen: 27.976 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV010216.D
Acq: 10 Apr 2019 18:08

Tgt Ion:106 Resp: 177100
Ion Ratio Lower Upper
106 100
91 206.6 139.4 259.0

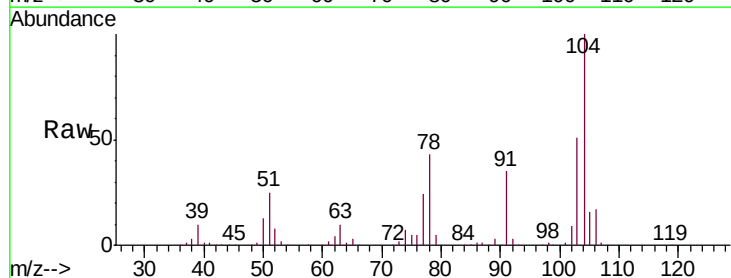


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

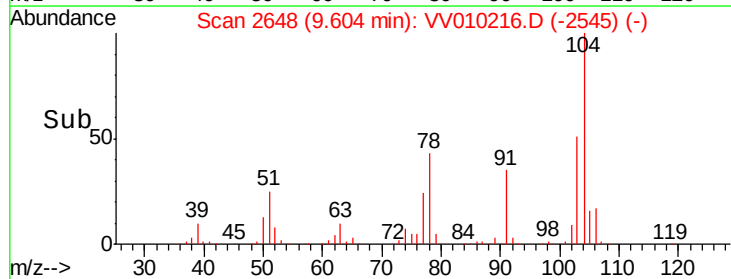
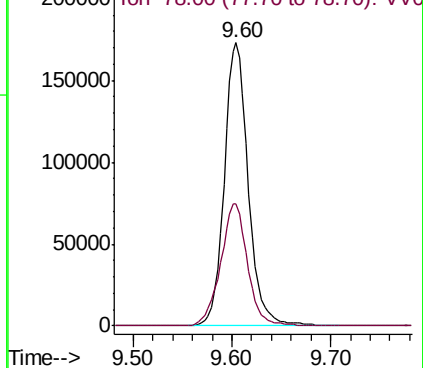


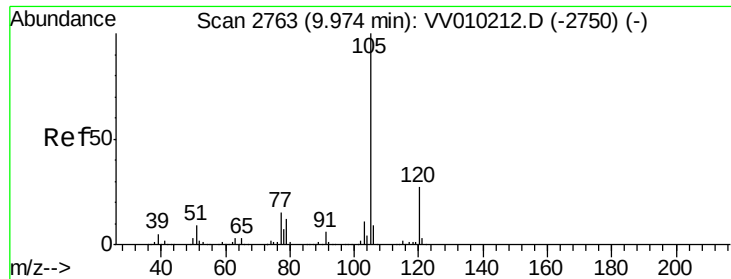
#56
Styrene
Concen: 29.072 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV010216.D
Acq: 10 Apr 2019 18:08

Tgt Ion:104 Resp: 293026
Ion Ratio Lower Upper
104 100
78 43.3 30.3 56.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 29.952 ug/L

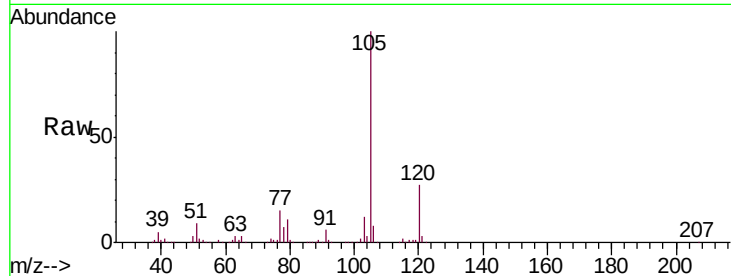
RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010216.D

Acq: 10 Apr 2019 18:08

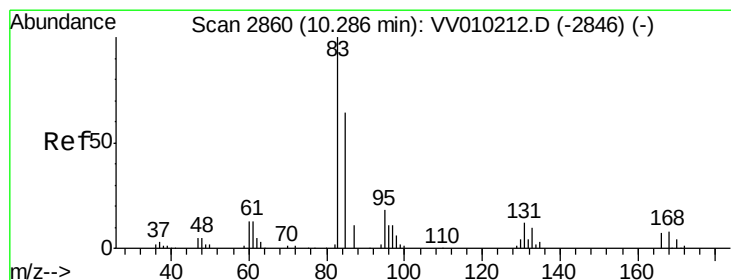
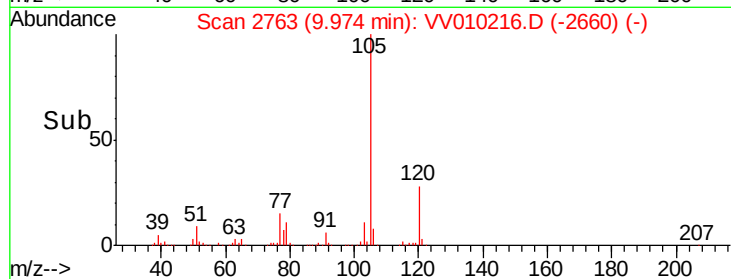
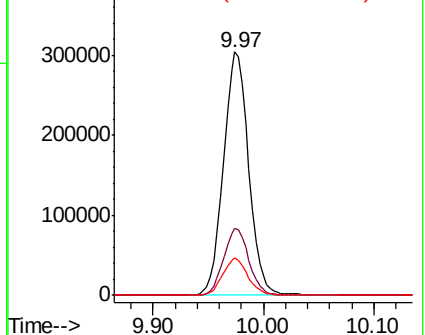
Tgt Ion:	105	Resp:	481905
Ion	Ratio	Lower	Upper
105	100		
120	27.6	22.2	33.2
77	15.2	12.2	18.4



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



#58

1,1,2,2-Tetrachloroethane

Concen: 26.748 ug/L

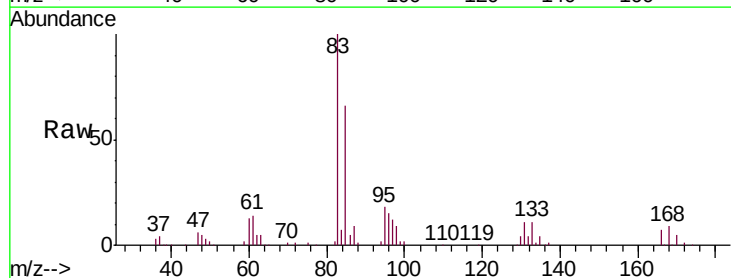
RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010216.D

Acq: 10 Apr 2019 18:08

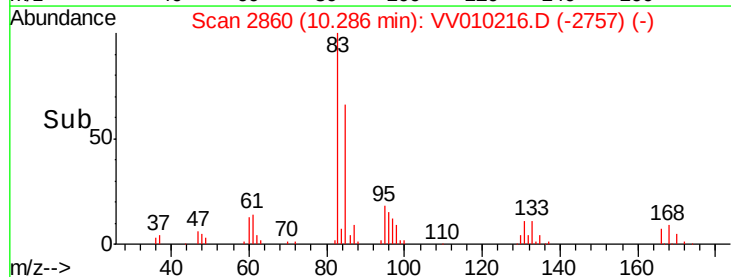
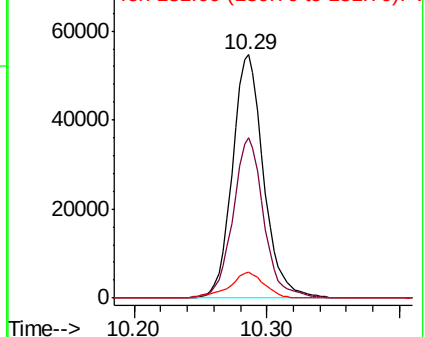
Tgt Ion:	83	Resp:	89195
Ion	Ratio	Lower	Upper
83	100		
85	65.8	44.9	83.5
131	10.5	9.2	13.8

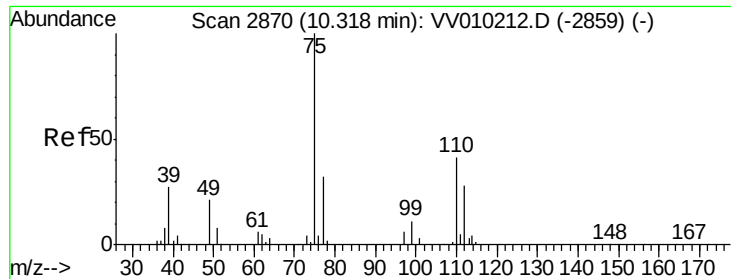


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

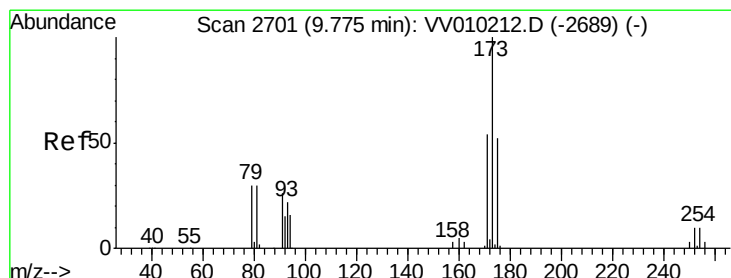
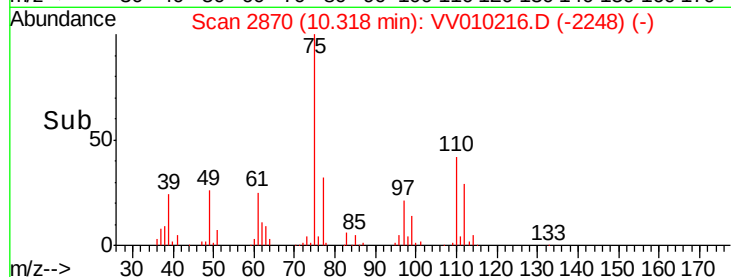
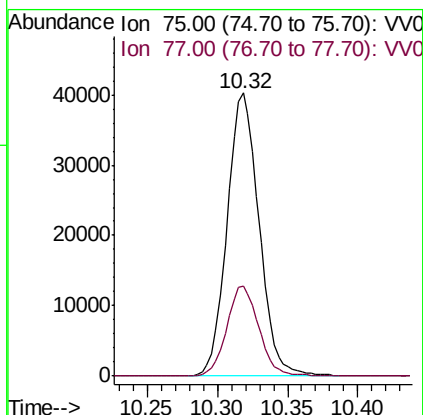
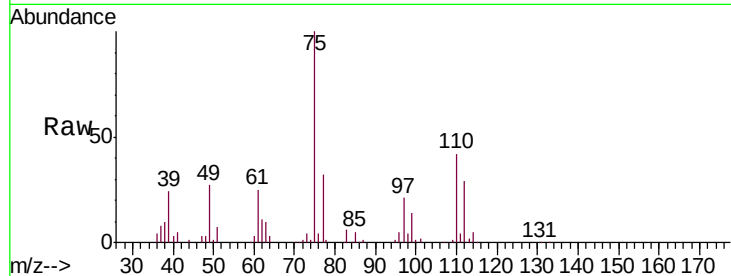
Ion 131.00 (130.70 to 131.70): V





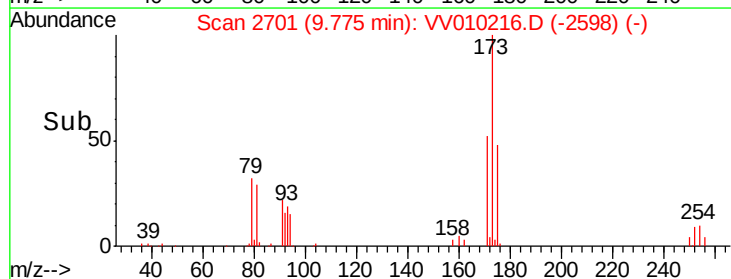
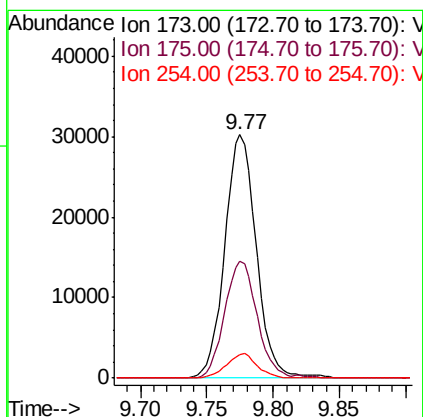
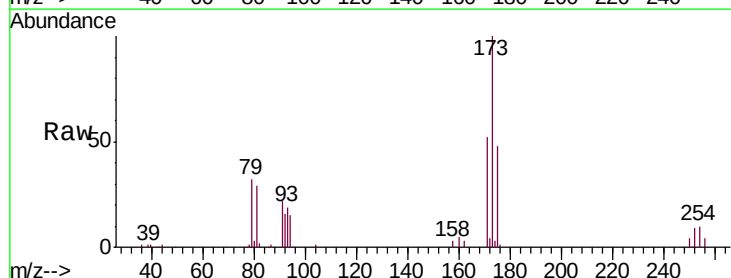
#59
 1,2,3-Trichloropropane
 Concen: 26.062 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010216.D
 Acq: 10 Apr 2019 18:08

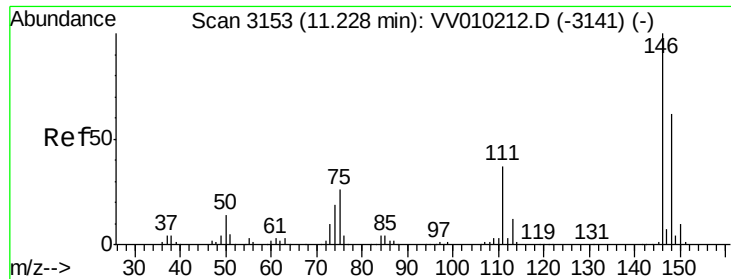
Tgt Ion: 75 Resp: 63963
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.9 40.3



#62
 Bromoform
 Concen: 26.274 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV010216.D
 Acq: 10 Apr 2019 18:08

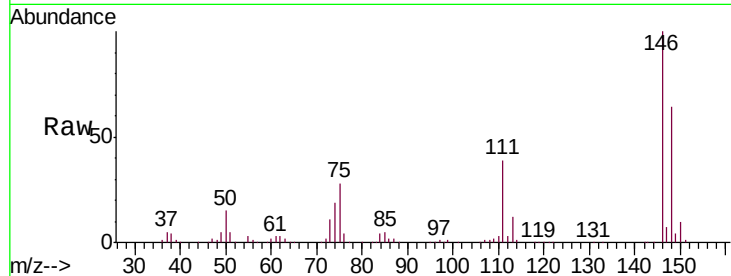
Tgt Ion: 173 Resp: 50046
 Ion Ratio Lower Upper
 173 100
 175 49.1 40.3 60.5
 254 9.7 8.0 12.0





#63
 1,3-Dichlorobenzene
 Concen: 28.330 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV010216.D
 Acq: 10 Apr 2019 18:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	26.2	48.8
148	64.5	43.2	80.2

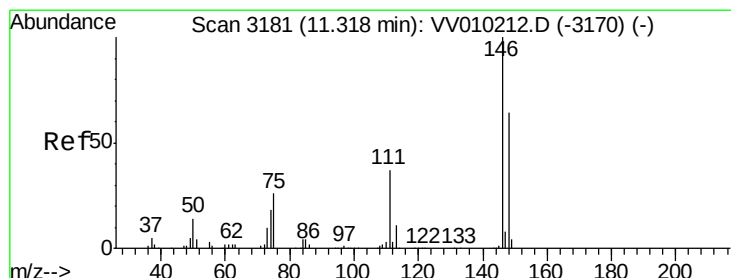
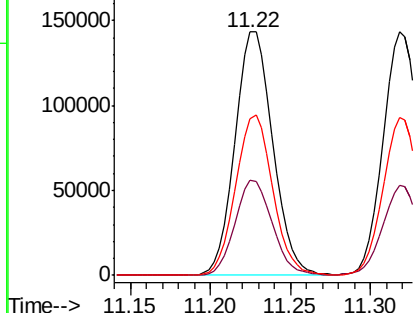
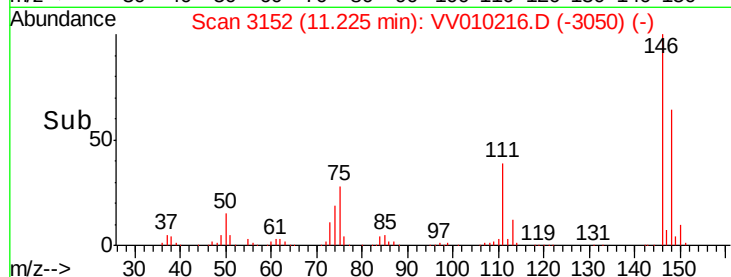


Abundance

Ion 146.00 (145.70 to 146.70): V

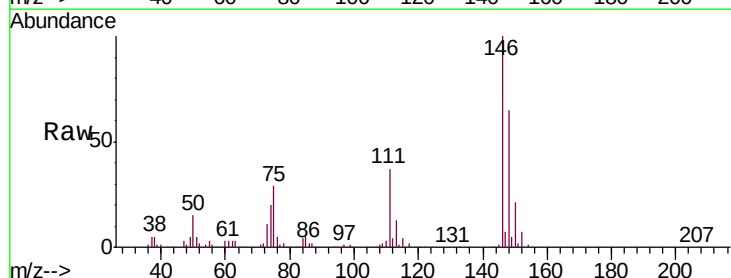
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64
 1,4-Dichlorobenzene
 Concen: 28.194 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010216.D
 Acq: 10 Apr 2019 18:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	26.5	49.3
148	65.0	45.3	84.1

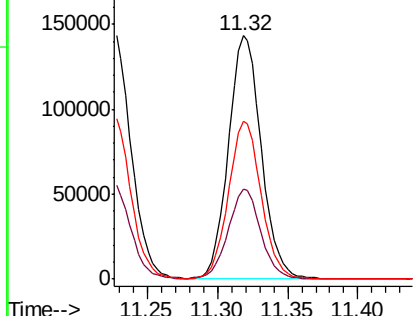
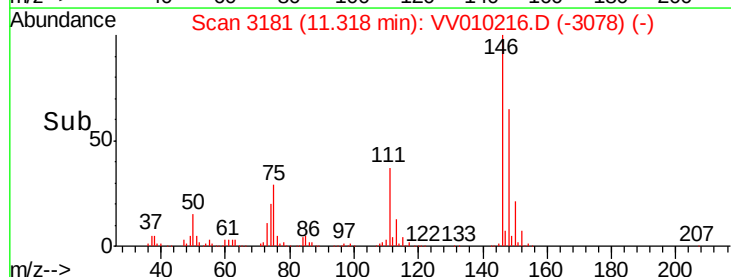


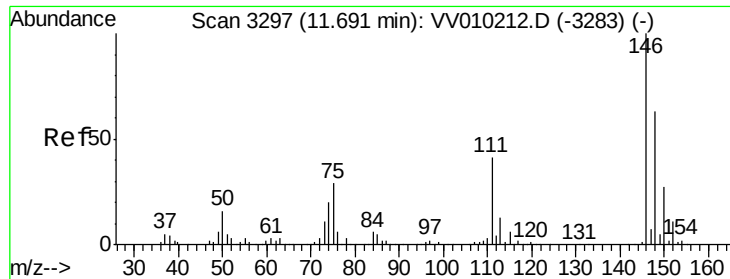
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 27.795 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010216.D

Acq: 10 Apr 2019 18:08

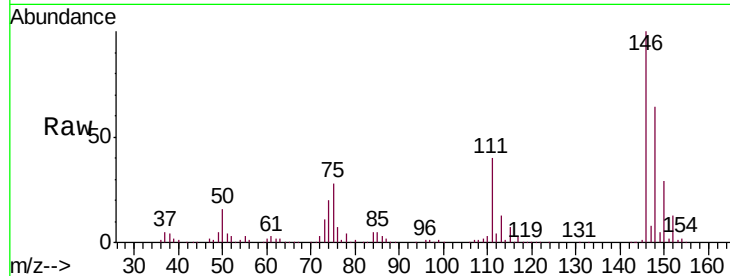
Tgt Ion: 146 Resp: 215916

Ion Ratio Lower Upper

146 100

111 39.7 32.5 48.7

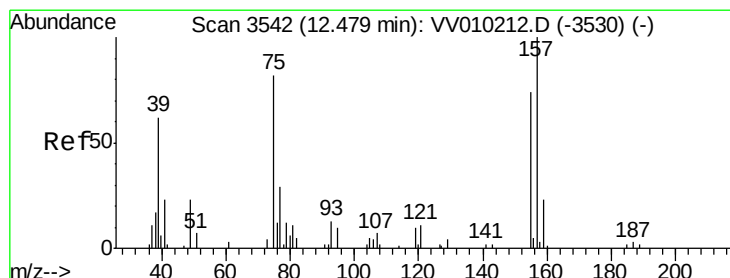
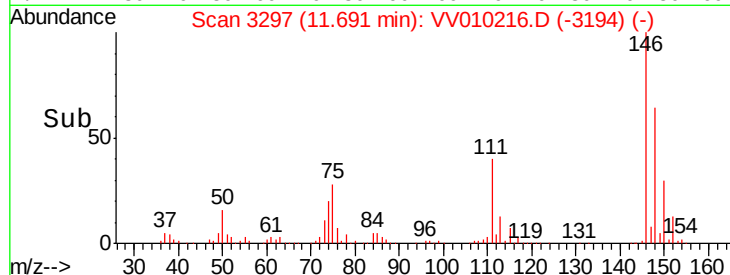
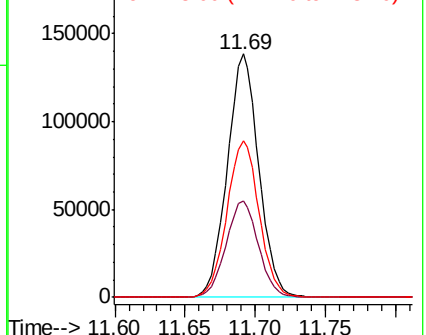
148 64.3 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 26.724 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV010216.D

Acq: 10 Apr 2019 18:08

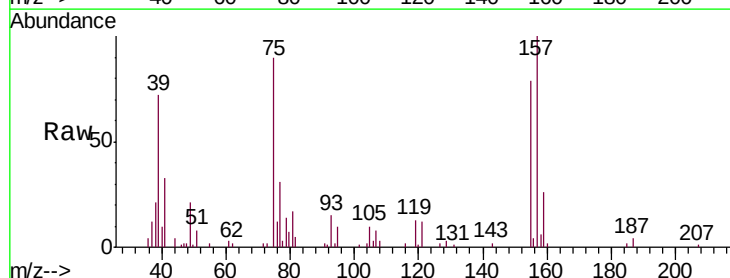
Tgt Ion: 75 Resp: 11744

Ion Ratio Lower Upper

75 100

157 110.6 97.4 146.2

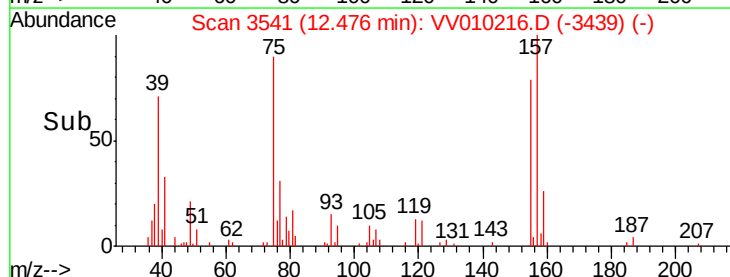
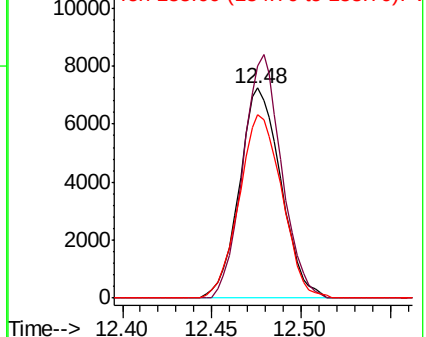
155 87.5 72.5 108.7

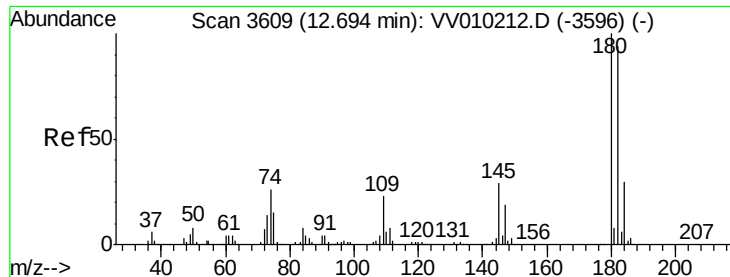


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

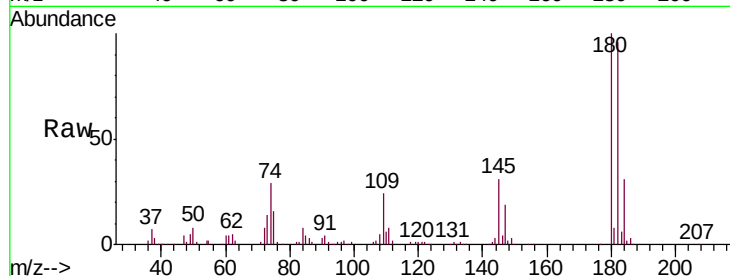
Ion 155.00 (154.70 to 155.70): V



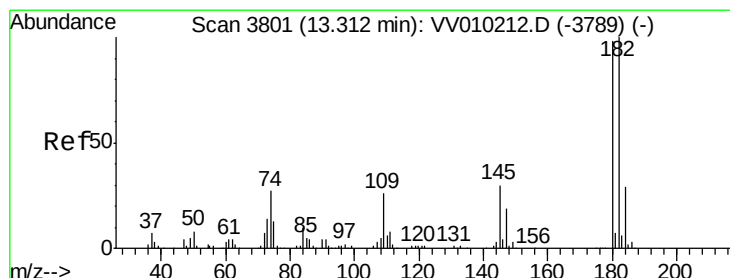
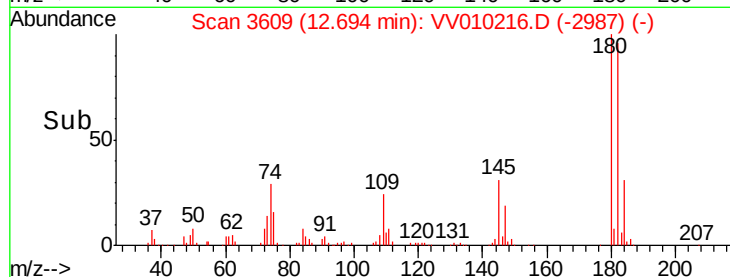
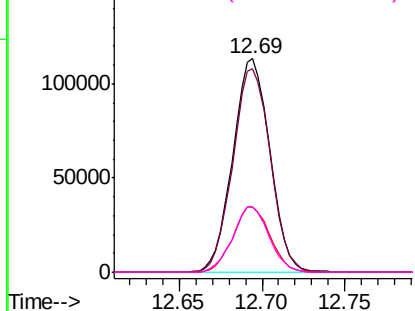


#67
 1,3,5-Trichlorobenzene
 Concen: 29.306 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010216.D
 Acq: 10 Apr 2019 18:08

Tgt Ion:	180	Resp:	176722
Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.5	113.3
184	30.7	23.8	35.8
145	30.0	22.9	34.3

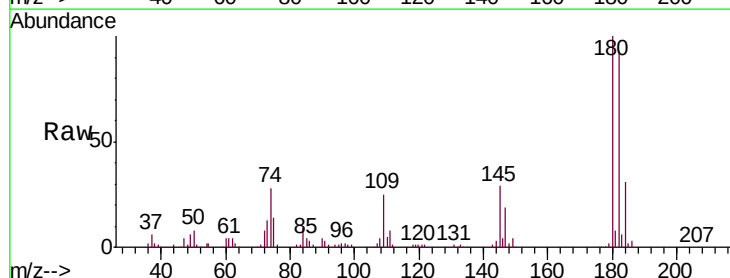


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

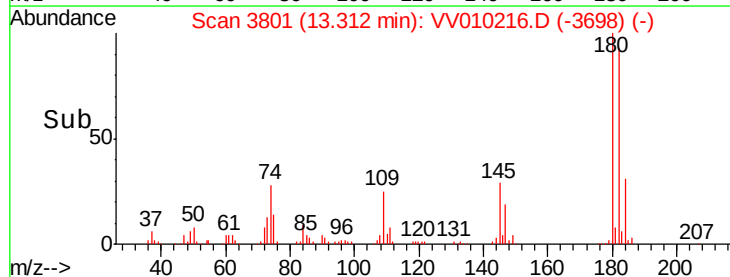
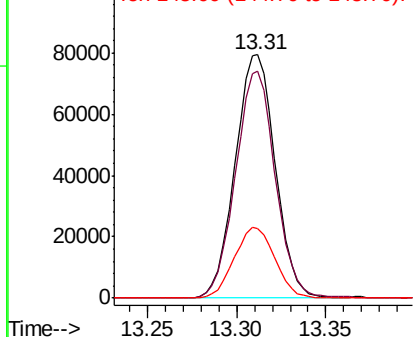


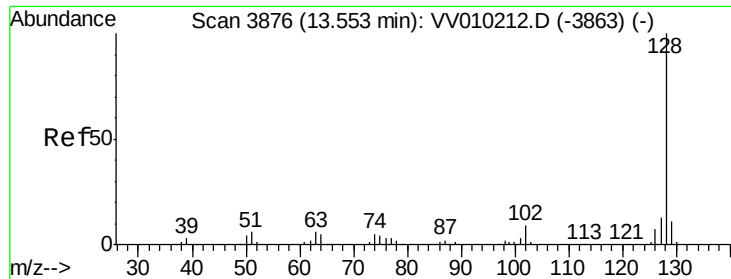
#68
 1,2,4-trichlorobenzene
 Concen: 30.199 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV010216.D
 Acq: 10 Apr 2019 18:08

Tgt Ion:	180	Resp:	124781
Ion	Ratio	Lower	Upper
180	100		
182	92.6	78.8	118.2
145	29.3	24.5	36.7



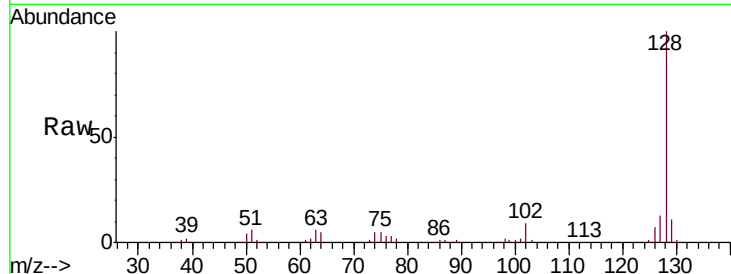
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



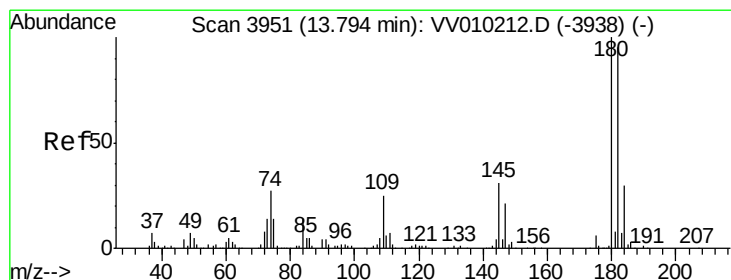
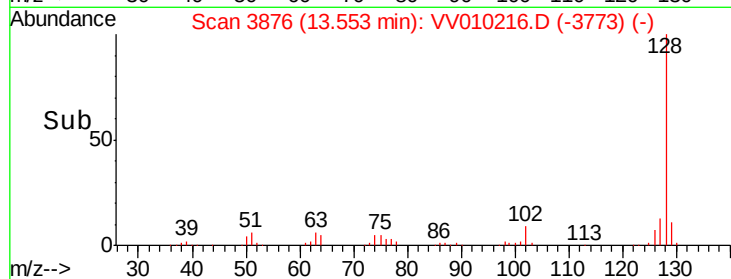
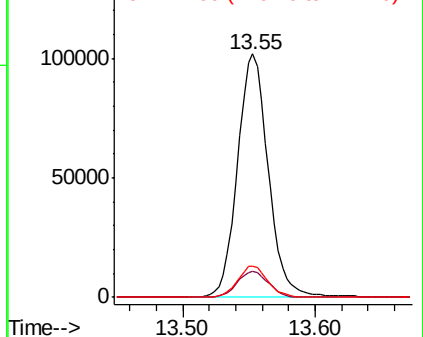


#69
Naphthalene
Concen: 29.212 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV010216.D
Acq: 10 Apr 2019 18:08

Tgt Ion:128 Resp: 164023
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 12.6 10.6 15.8

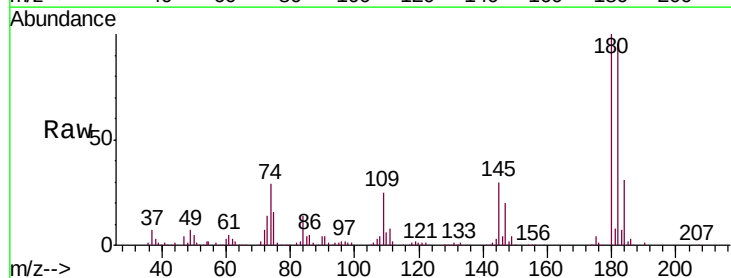


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 29.190 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV010216.D
Acq: 10 Apr 2019 18:08

Tgt Ion:180 Resp: 111854
Ion Ratio Lower Upper
180 100
182 95.3 76.2 114.4
145 31.0 24.9 37.3



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

