

Data File : VV010232.D
Acq On : 11 Apr 2019 01:19
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 07:13:29 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	265664	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	278651	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	146274	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69490	22.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.88%
7) Chloroethane-d5	1.57	69	64804	24.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.64%
10) 1,1-Dichloroethene-d2	2.13	63	179665	23.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.32%
20) 2-Butanone-d5	3.93	46	48794	63.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.10%
24) Chloroform-d	4.40	84	169270	27.90	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.60%
26) 1,2-Dichloroethane-d4	5.08	65	96561	27.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.80%
29) Benzene-d6	5.10	84	321970	23.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.84%
33) 1,2-Dichloropropane-d6	6.12	67	97765	24.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.84%
37) Toluene-d8	7.36	98	317334	24.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.88%
38) trans-1,3-Dichloropropene-	7.66	79	42903	25.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.00%
39) 2-Hexanone-d5	8.13	63	39681	57.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.98%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	97956	27.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.24%
61) 1,2-Dichlorobenzene-d4	11.67	152	137427	25.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	93691	22.007 ug/L	97
3) Chloromethane	1.25	50	88856	25.436 ug/L	100
5) Vinyl chloride	1.33	62	90072	23.977 ug/L	100
6) Bromomethane	1.51	94	74855	24.586 ug/L	98
8) Chloroethane	1.59	64	61034	26.056 ug/L	99
9) Trichlorofluoromethane	1.76	101	171954	22.601 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	90767	22.285 ug/L	98
12) 1,1-Dichloroethene	2.14	96	82161	23.441 ug/L	95
13) Acetone	2.19	43	49684	60.086 ug/L	100
14) Carbon disulfide	2.32	76	208037	24.578 ug/L	98
15) Methyl Acetate	2.46	43	41830	28.404 ug/L	96
16) Methylene chloride	2.53	84	101796	19.566 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	215159	28.368 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	82287	24.708 ug/L	99
19) 1,1-Dichloroethane	3.23	63	144163	26.315 ug/L	97
21) 2-Butanone	4.01	43	53389	56.610 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	96372	26.595 ug/L	100

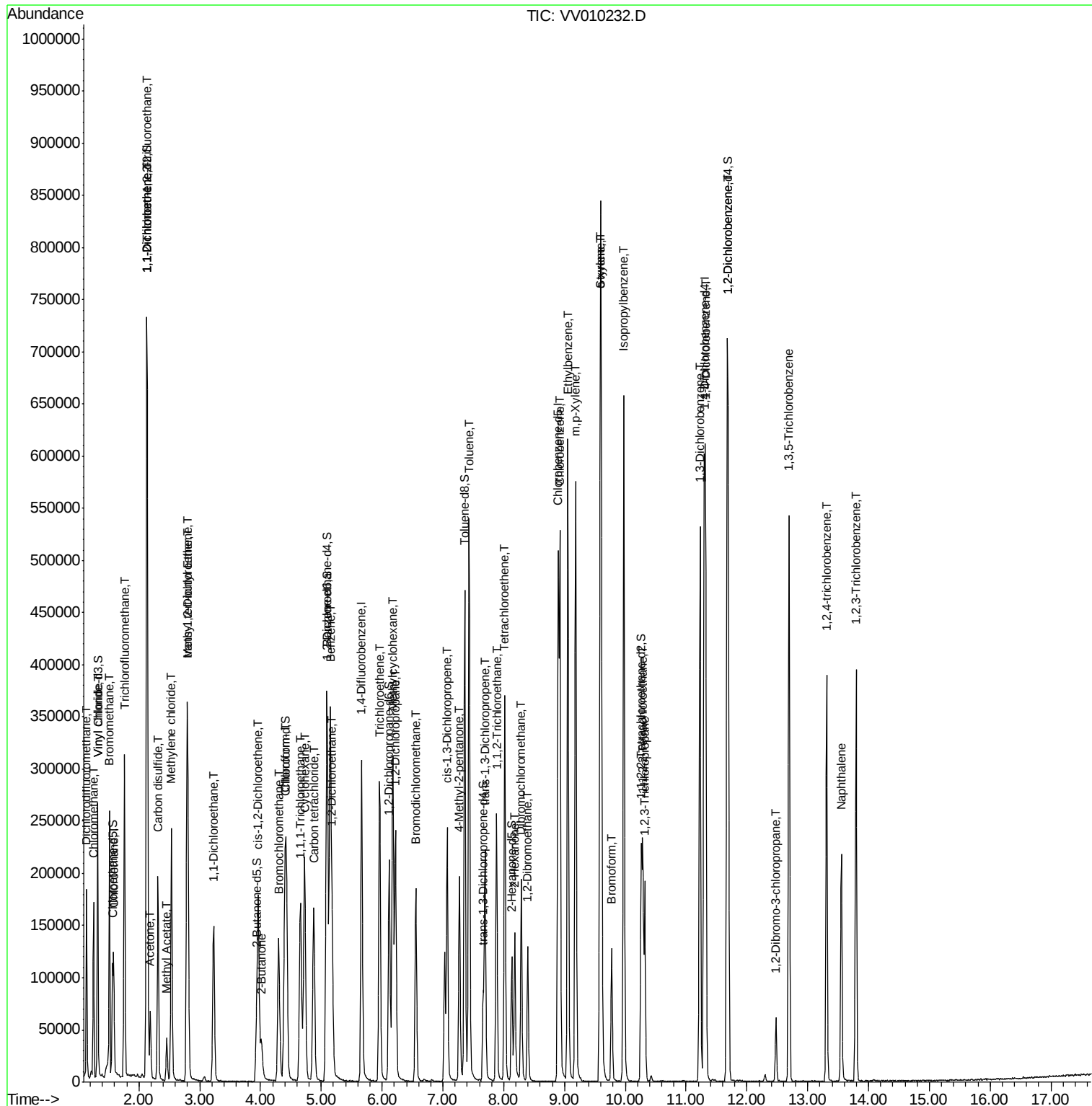
Data File : VV010232.D
Acq On : 11 Apr 2019 01:19
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

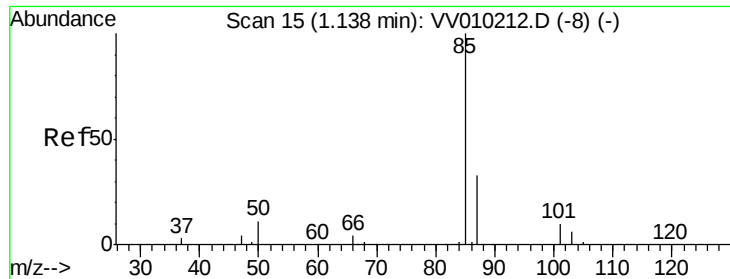
Quant Time: Apr 11 07:13:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 11 07:05:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	49709	27.858	ug/L	94
25) Chloroform	4.43	83	162459	24.966	ug/L	96
27) 1,2-Dichloroethane	5.18	62	116096	27.877	ug/L	98
30) Cyclohexane	4.73	56	106401	20.390	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	136539	23.425	ug/L	98
32) Carbon tetrachloride	4.88	117	121247	22.323	ug/L	97
34) Benzene	5.15	78	335251	23.735	ug/L	100
35) Trichloroethene	5.96	95	94396	23.130	ug/L	97
36) Methylcyclohexane	6.18	83	133681	21.920	ug/L	97
40) 1,2-Dichloropropane	6.22	63	88291	25.545	ug/L #	96
41) Bromodichloromethane	6.55	83	113758	24.702	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	130331	24.883	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	120859	54.028	ug/L	99
44) Toluene	7.43	91	383264	24.136	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	114522	26.053	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	76794	26.193	ug/L	99
47) Tetrachloroethene	8.02	164	79093	21.861	ug/L	97
49) 2-Hexanone	8.18	43	86396	58.742	ug/L	98
50) Dibromochloromethane	8.29	129	92466	25.782	ug/L	98
51) 1,2-Dibromoethane	8.40	107	79346	26.535	ug/L	98
52) Chlorobenzene	8.93	112	272195	24.565	ug/L	98
53) Ethylbenzene	9.05	91	425035	24.273	ug/L	98
54) m,p-Xylene	9.18	106	169804	24.582	ug/L	98
55) o-xylene	9.59	106	173213	25.180	ug/L	96
56) Styrene	9.60	104	285411	26.059	ug/L	99
57) Isopropylbenzene	9.97	105	426621	24.402	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	98464	27.173	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	69472	26.050	ug/L	97
62) Bromoform	9.77	173	53556	25.228	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	226106	24.930	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	227278	24.626	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	220132	25.427	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	13044	26.633	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	165505	24.627	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	117336	25.480	ug/L	97
69) Naphthalene	13.55	128	171523	27.409	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	113974	26.687	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 22.007 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV010232.D

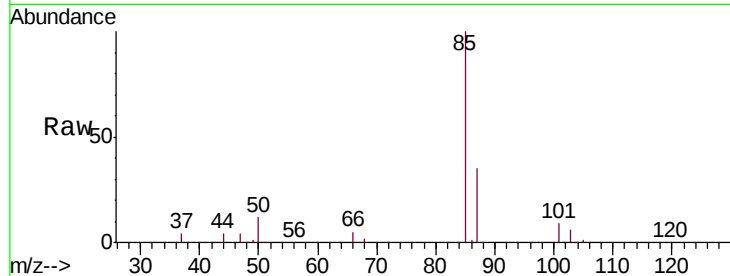
Acq: 11 Apr 2019 01:19

Tgt Ion: 85 Resp: 93691

Ion Ratio Lower Upper

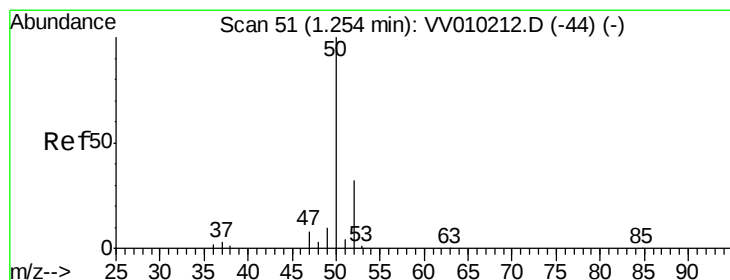
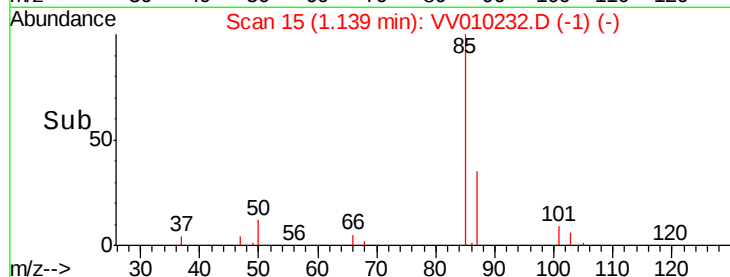
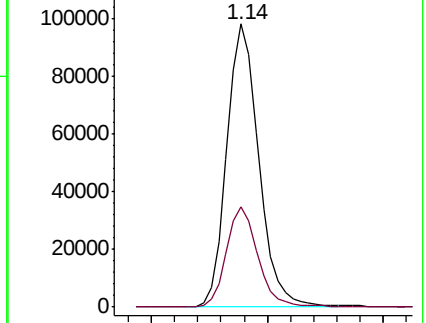
85 100

87 34.7 23.3 43.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 25.436 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010232.D

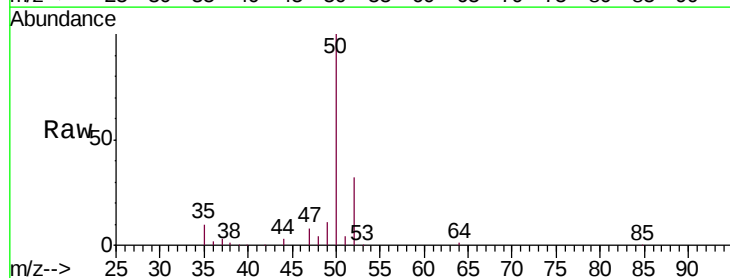
Acq: 11 Apr 2019 01:19

Tgt Ion: 50 Resp: 88856

Ion Ratio Lower Upper

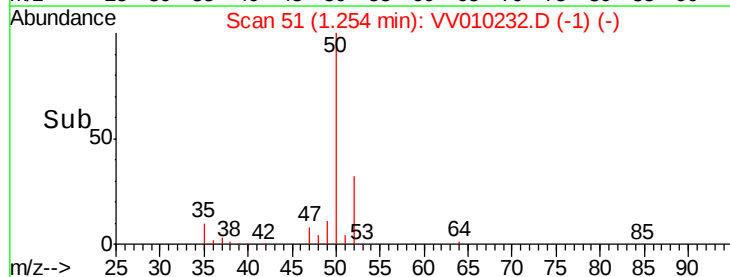
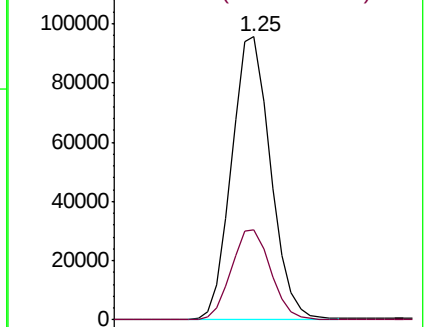
50 100

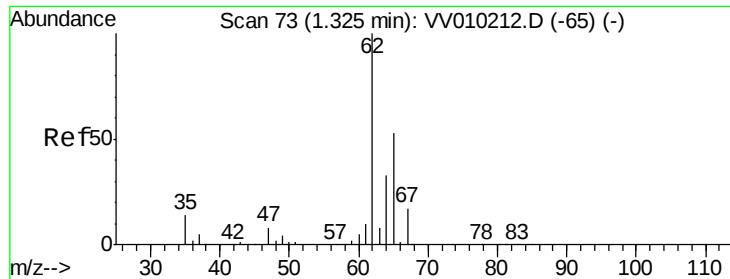
52 31.9 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 23.977 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV010232.D

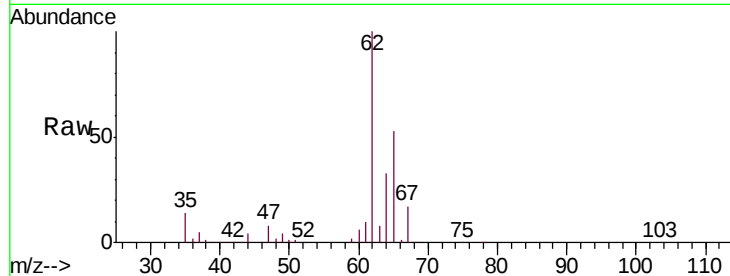
Acq: 11 Apr 2019 01:19

Tgt Ion: 62 Resp: 90072

Ion Ratio Lower Upper

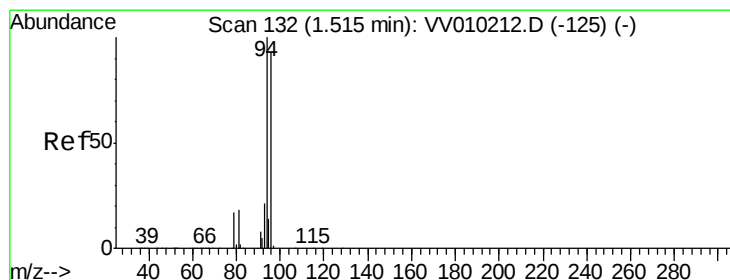
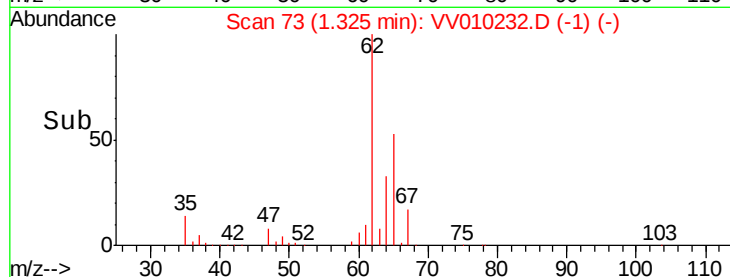
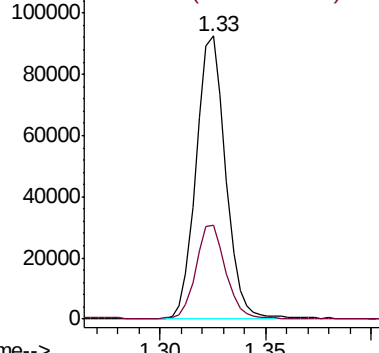
62 100

64 33.4 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: 24.586 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV010232.D

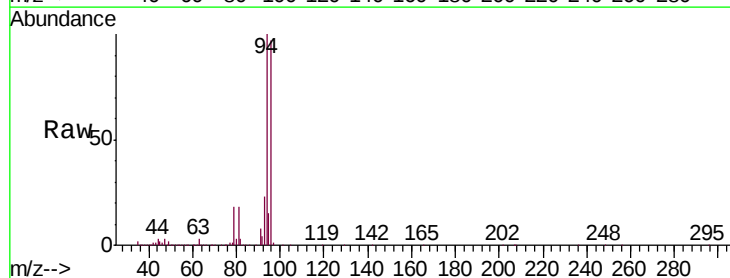
Acq: 11 Apr 2019 01:19

Tgt Ion: 94 Resp: 74855

Ion Ratio Lower Upper

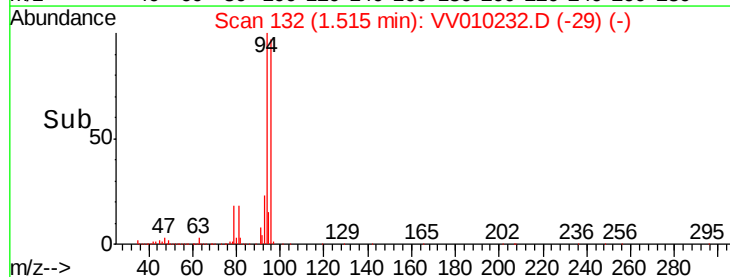
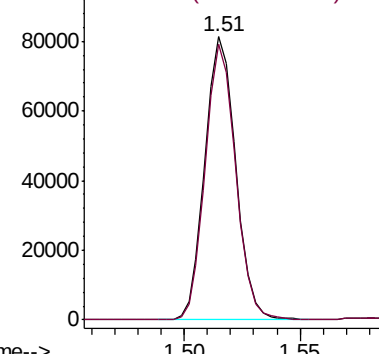
94 100

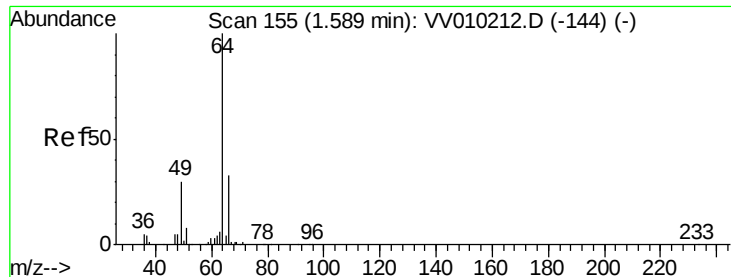
96 95.9 9.4 179.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 26.056 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV010232.D

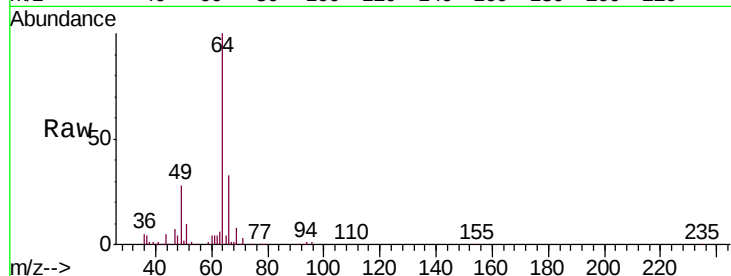
Acq: 11 Apr 2019 01:19

Tgt Ion: 64 Resp: 61034

Ion Ratio Lower Upper

64 100

66 33.3 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV010232.D (-154) (-)

Ion 66.00 (65.70 to 66.70): VV010232.D (-154) (-)

1.59

50000

40000

30000

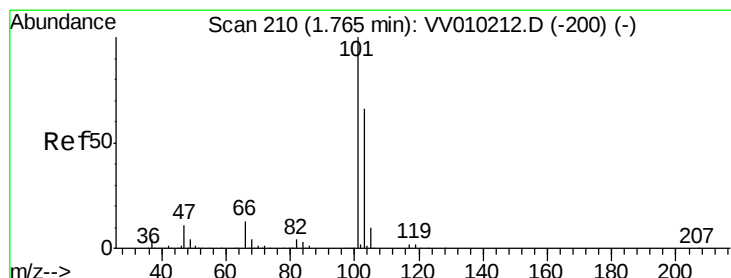
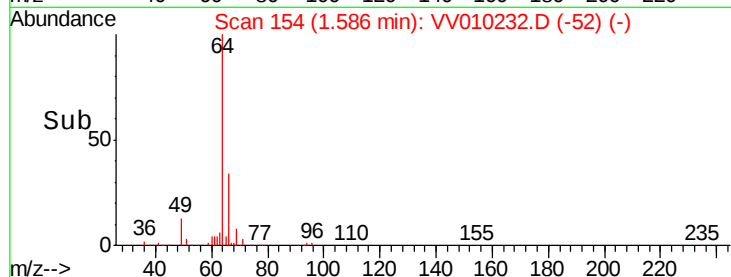
20000

10000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 22.601 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV010232.D

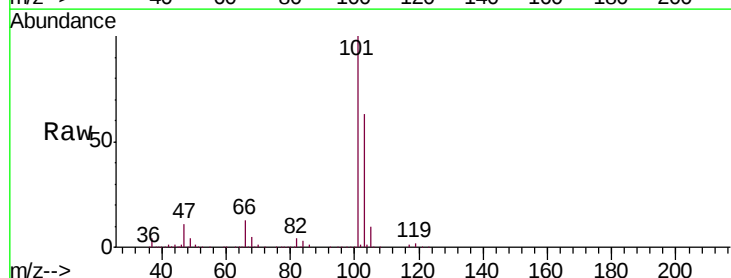
Acq: 11 Apr 2019 01:19

Tgt Ion: 101 Resp: 171954

Ion Ratio Lower Upper

101 100

103 64.0 44.8 83.2



Abundance Ion 101.00 (100.70 to 101.70): VV010232.D (-209) (-)

Ion 103.00 (102.70 to 103.70): VV010232.D (-209) (-)

1.76

150000

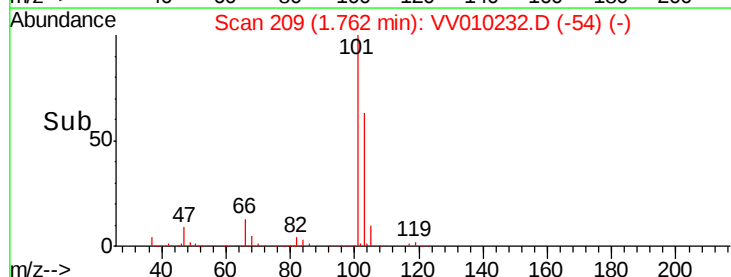
100000

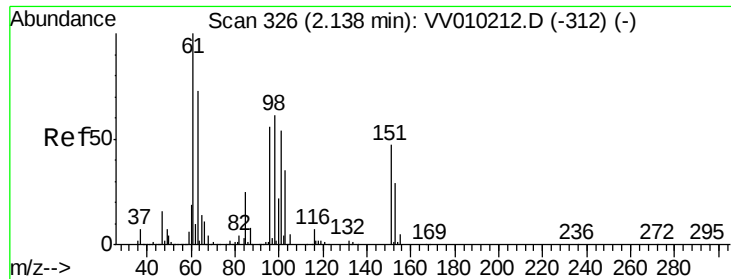
50000

0

1.70 1.75 1.80

Time-->





#11

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

Concen: 22.285 ug/L

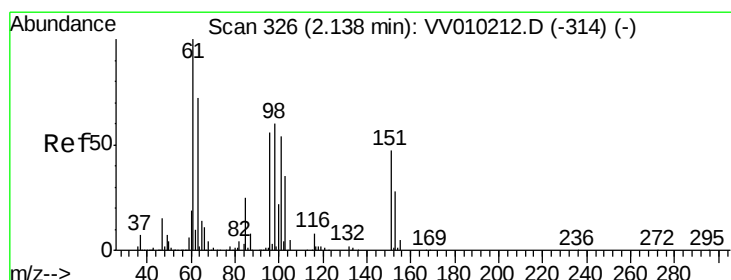
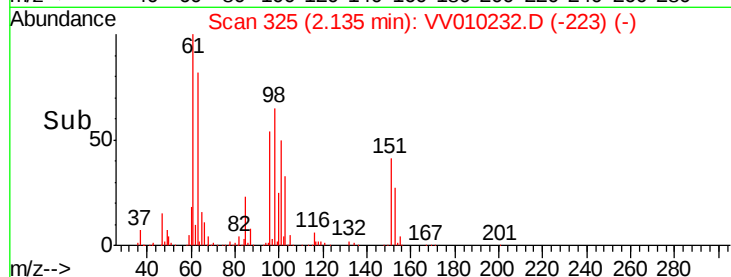
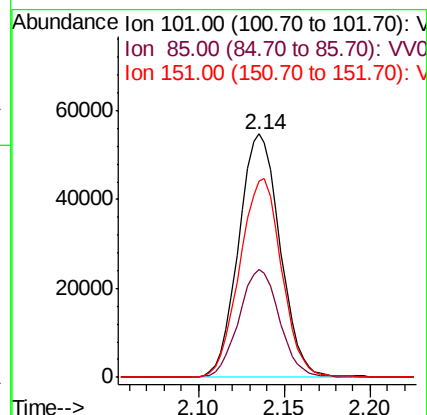
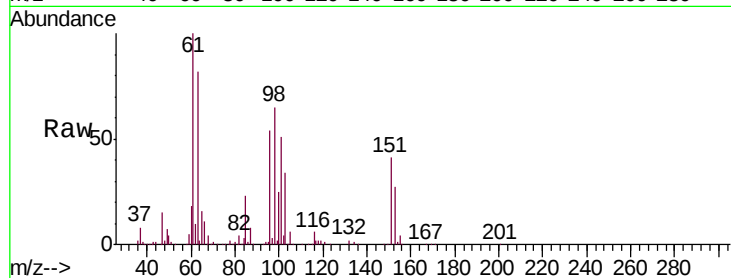
RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010232.D

Acq: 11 Apr 2019 01:19

Tgt Ion:	101	Resp:	90767
Ion	Ratio	Lower	Upper
101	100		
85	44.0	36.7	55.1
151	83.5	68.1	102.1



#12

1,1-Dichloroethene

Concen: 23.441 ug/L

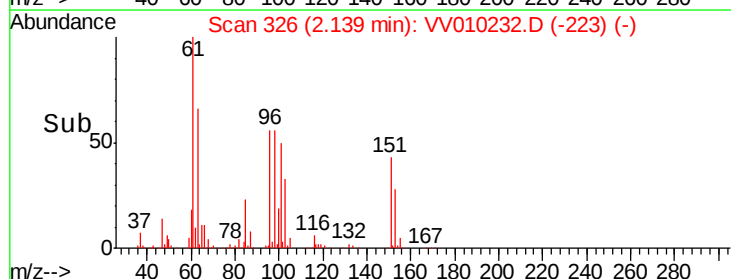
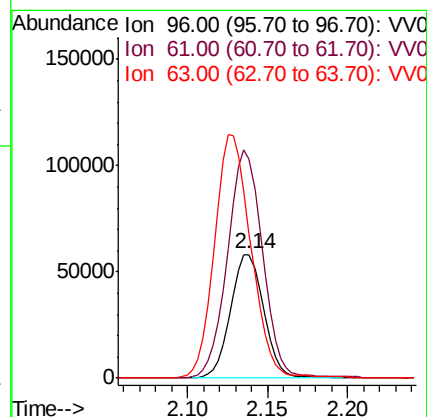
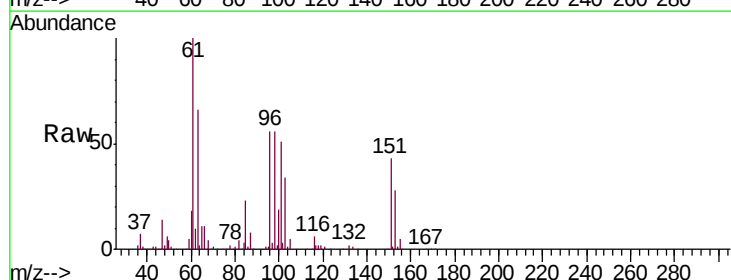
RT: 2.14 min Scan# 326

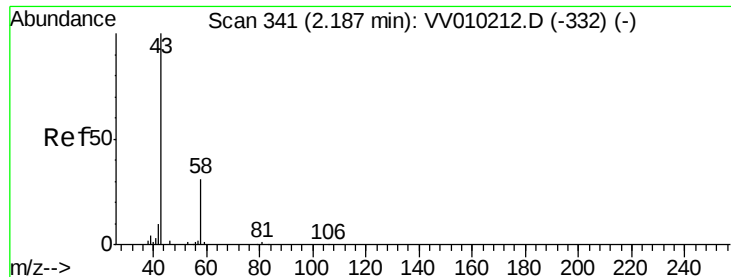
Delta R.T. 0.00 min

Lab File: VV010232.D

Acq: 11 Apr 2019 01:19

Tgt Ion:	96	Resp:	82161
Ion	Ratio	Lower	Upper
96	100		
61	177.6	125.3	232.7
63	117.9	91.3	169.6





#13

Acetone

Concen: 60.086 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV010232.D

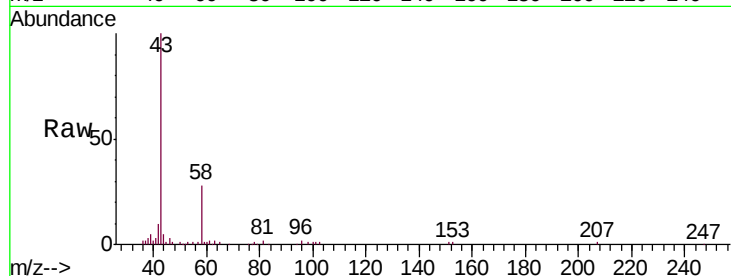
Acq: 11 Apr 2019 01:19

Tgt Ion: 43 Resp: 49684

Ion Ratio Lower Upper

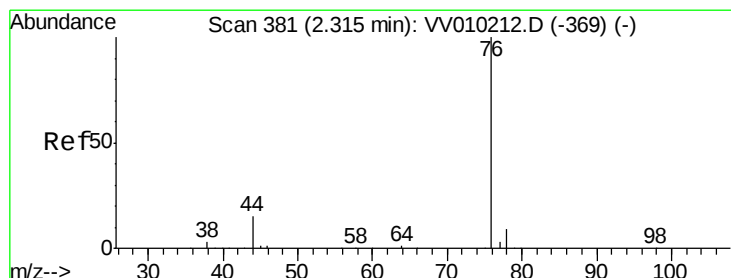
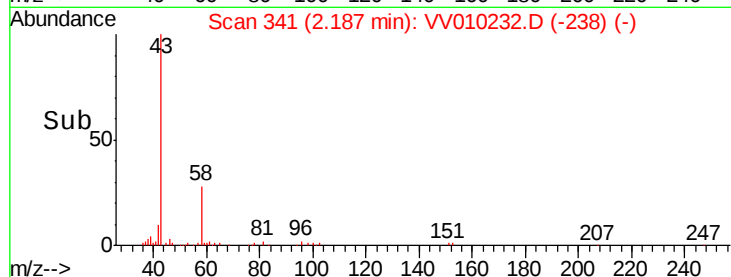
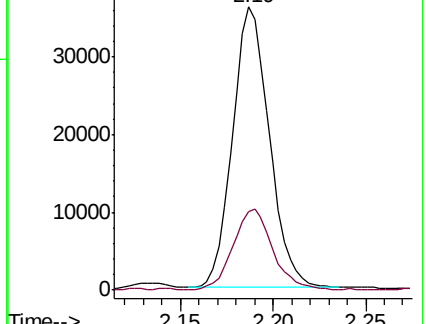
43 100

58 31.0 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV010232.D (-238) (-)

Ion 58.00 (57.70 to 58.70): VV010232.D (-238) (-)



#14

Carbon disulfide

Concen: 24.578 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV010232.D

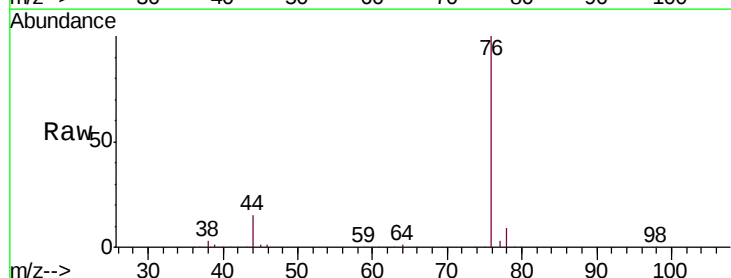
Acq: 11 Apr 2019 01:19

Tgt Ion: 76 Resp: 208037

Ion Ratio Lower Upper

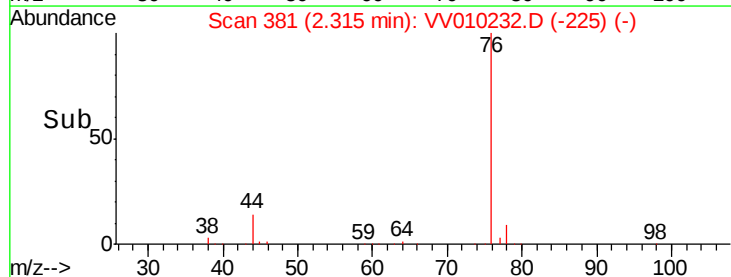
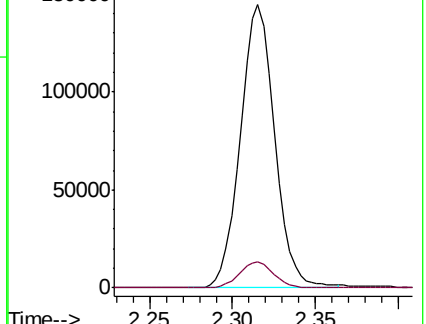
76 100

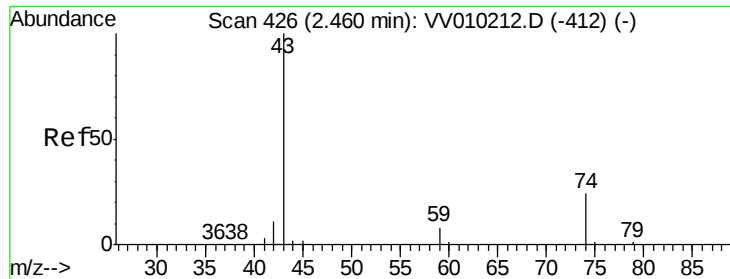
78 9.3 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VV010232.D (-225) (-)

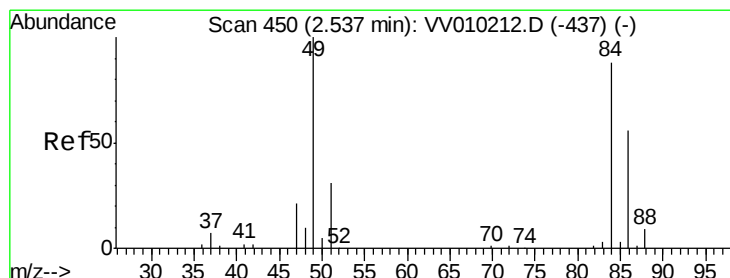
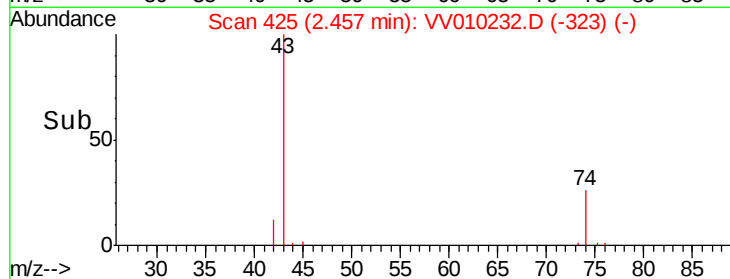
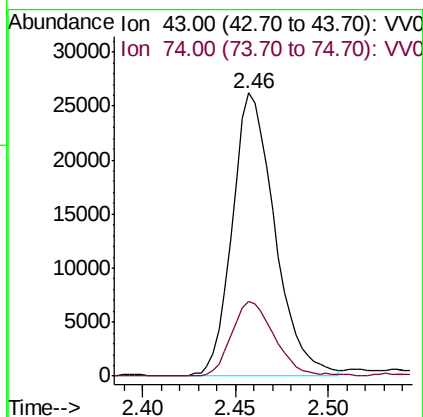
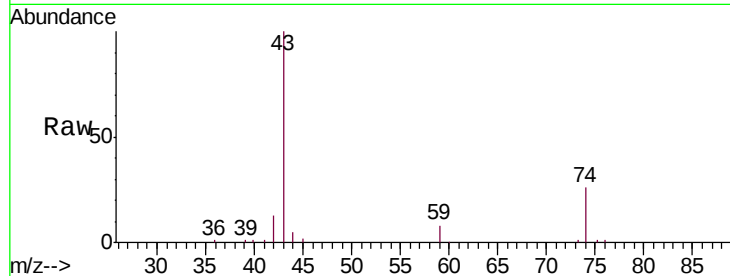
Ion 78.00 (77.70 to 78.70): VV010232.D (-225) (-)





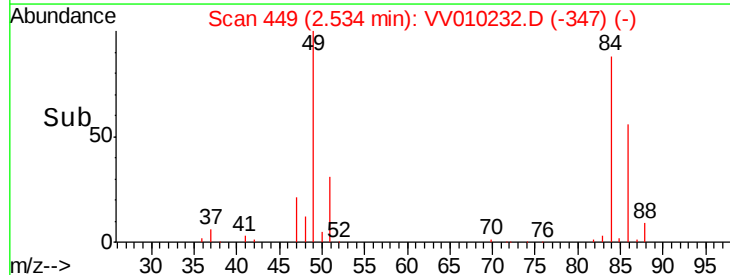
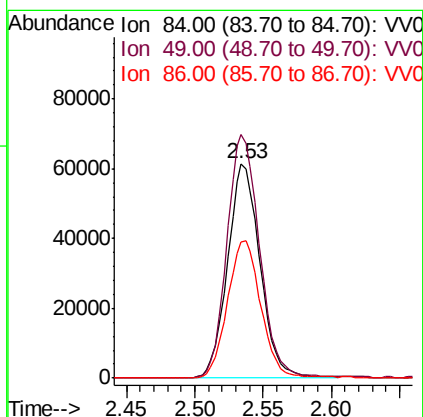
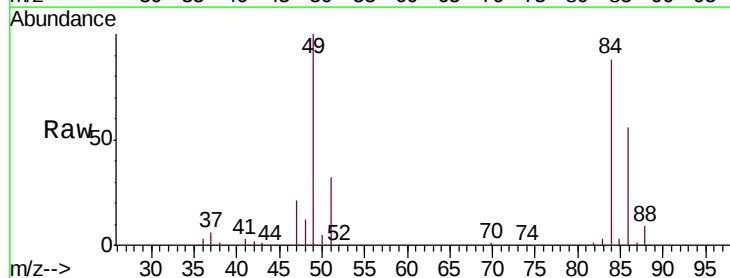
#15
Methyl Acetate
Concen: 28.404 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV010232.D
Acq: 11 Apr 2019 01:19

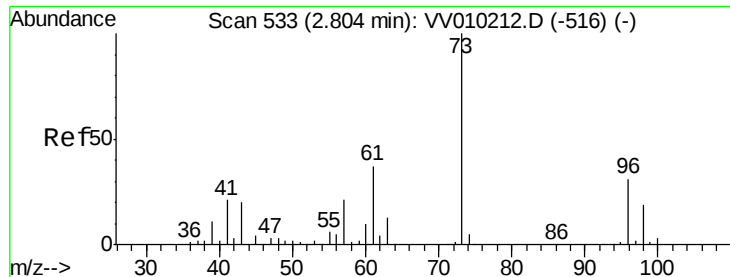
Tgt Ion: 43 Resp: 41830
Ion Ratio Lower Upper
43 100
74 26.2 19.3 28.9



#16
Methylene chloride
Concen: 19.566 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010232.D
Acq: 11 Apr 2019 01:19

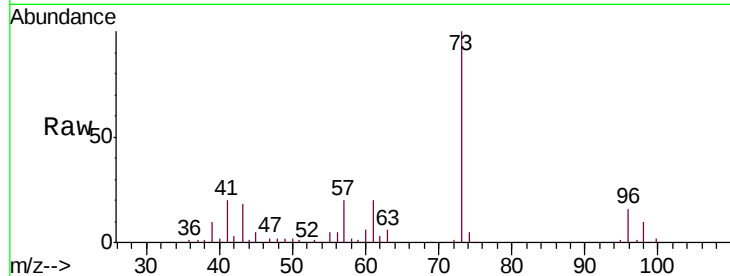
Tgt Ion: 84 Resp: 101796
Ion Ratio Lower Upper
84 100
49 113.5 79.9 148.5
86 63.6 44.5 82.7



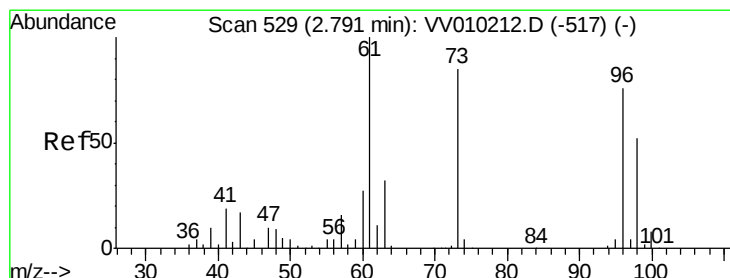
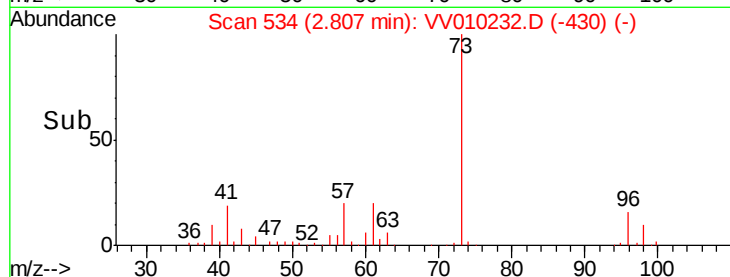
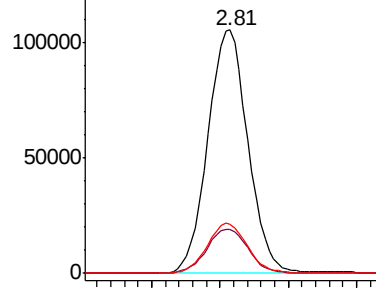


#17
Methyl tert-butyl Ether
Concen: 28.368 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV010232.D
Acq: 11 Apr 2019 01:19

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.9	16.0	24.0
57	20.7	16.6	24.8

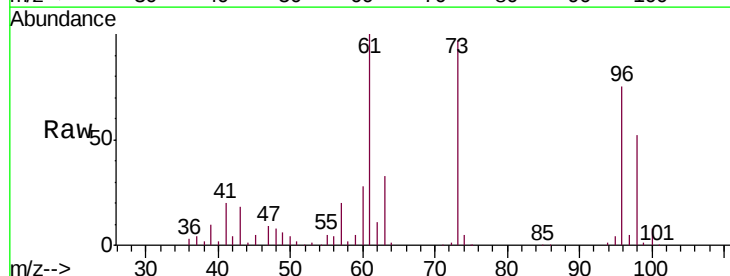


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

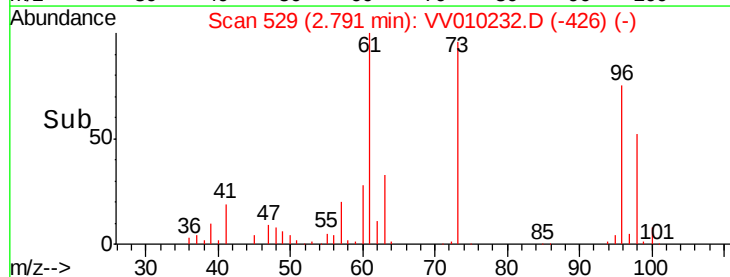
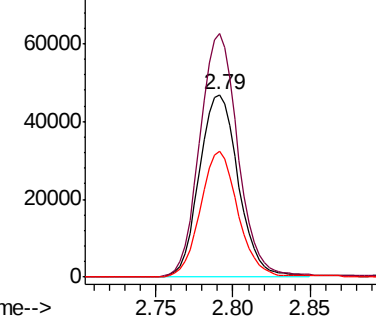


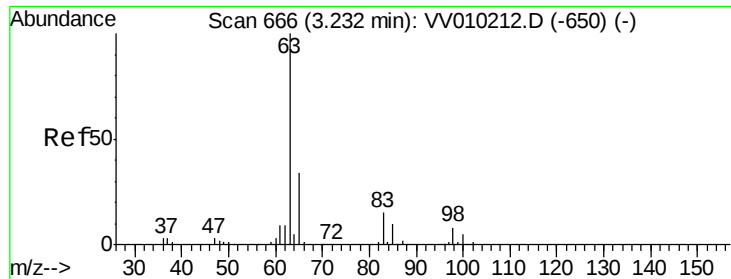
#18
trans-1,2-Dichloroethene
Concen: 24.708 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV010232.D
Acq: 11 Apr 2019 01:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.6	92.5	171.9
98	68.9	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: 26.315 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV010232.D

Acq: 11 Apr 2019 01:19

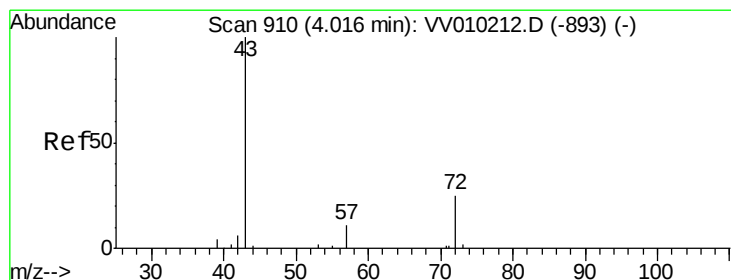
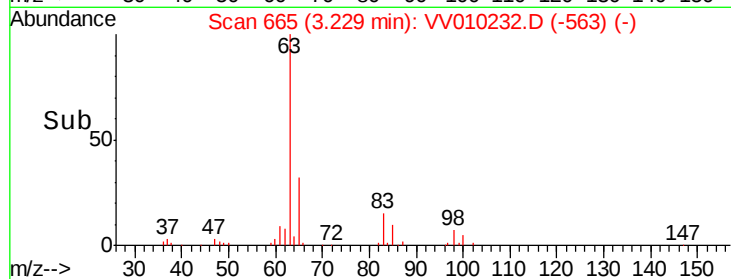
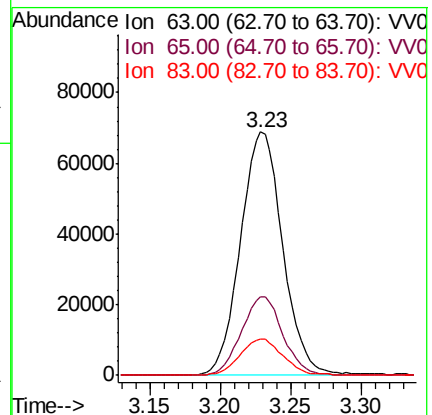
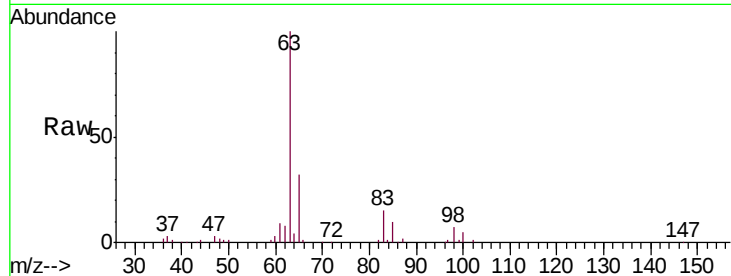
Tgt Ion: 63 Resp: 144163

Ion Ratio Lower Upper

63 100

65 32.1 23.8 44.2

83 15.1 10.8 20.0



#21

2-Butanone

Concen: 56.610 ug/L

RT: 4.01 min Scan# 909

Delta R.T. -0.00 min

Lab File: VV010232.D

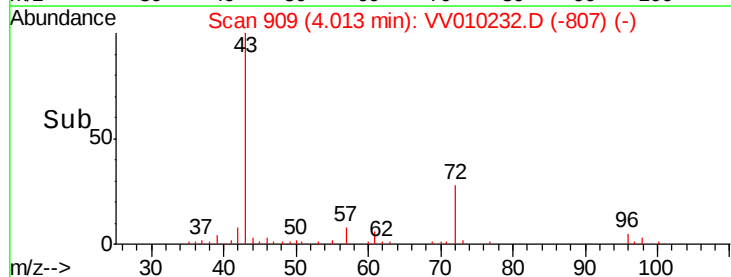
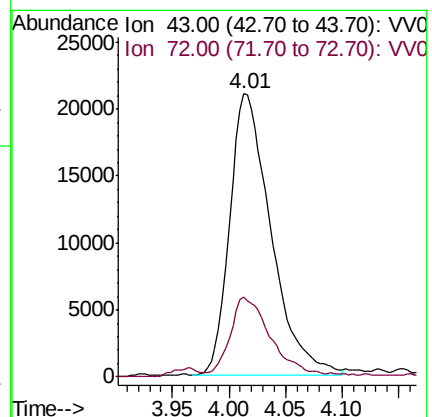
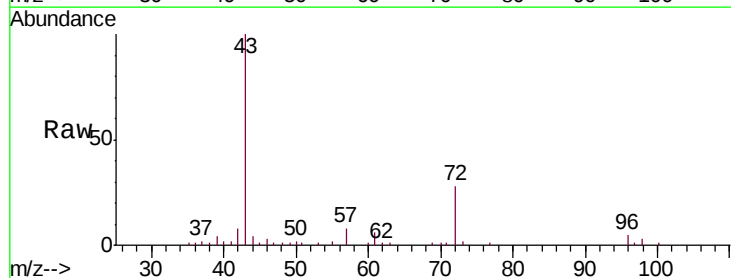
Acq: 11 Apr 2019 01:19

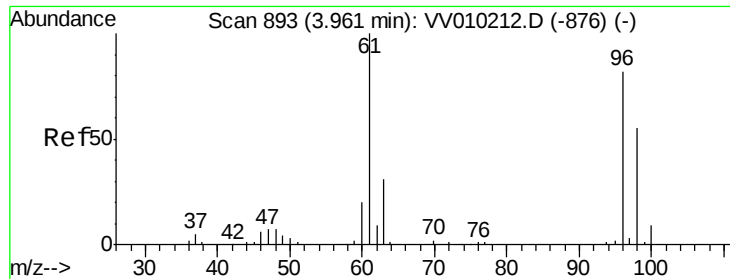
Tgt Ion: 43 Resp: 53389

Ion Ratio Lower Upper

43 100

72 25.3 13.5 40.4

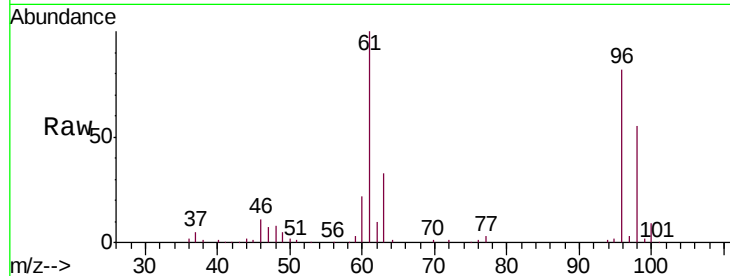




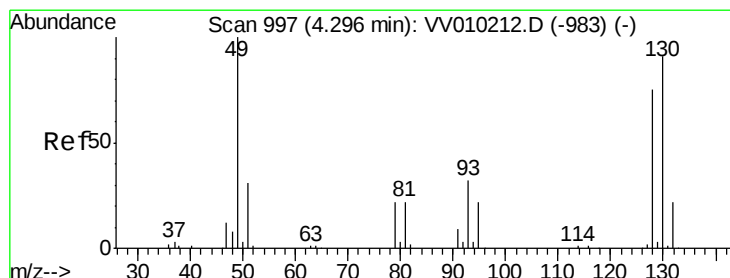
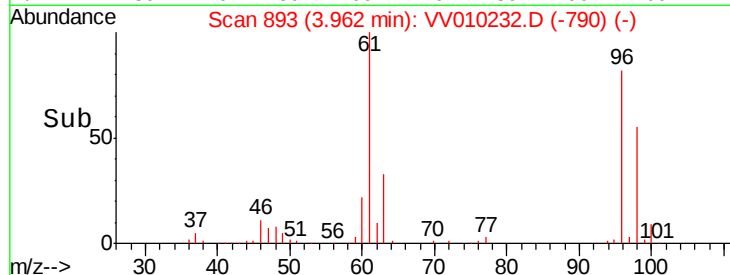
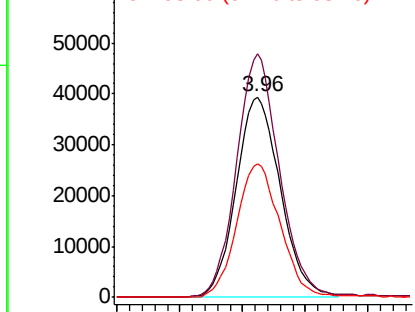
#22

cis-1,2-Dichloroethene
Concen: 26.595 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV010232.D
Acq: 11 Apr 2019 01:19

Tgt Ion: 96 Resp: 96372
Ion Ratio Lower Upper
96 100
61 121.6 84.9 157.7
98 66.8 47.0 87.4



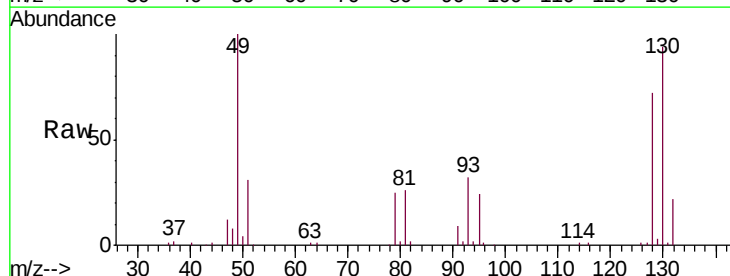
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



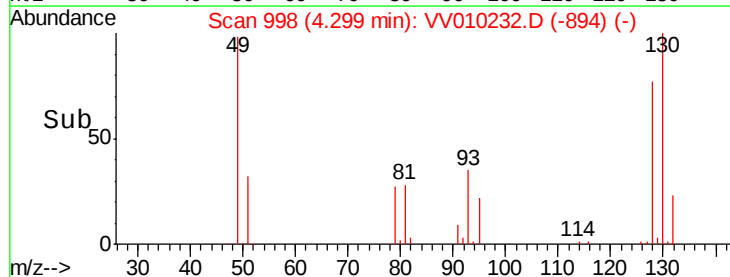
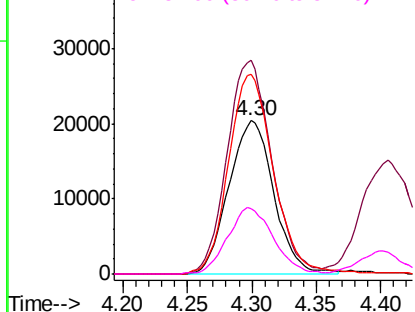
#23

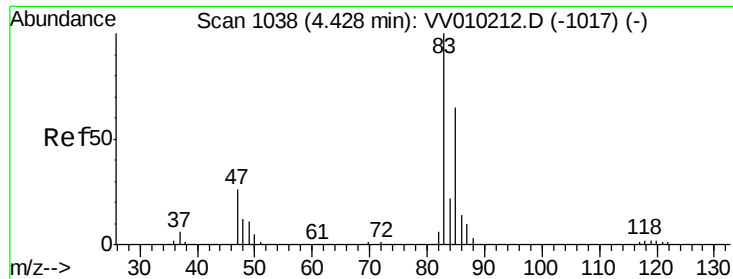
Bromochloromethane
Concen: 27.858 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV010232.D
Acq: 11 Apr 2019 01:19

Tgt Ion: 128 Resp: 49709
Ion Ratio Lower Upper
128 100
49 139.4 93.4 173.4
130 130.6 84.5 156.9
51 42.9 32.5 48.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0





#25

Chloroform

Concen: 24.966 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV010232.D

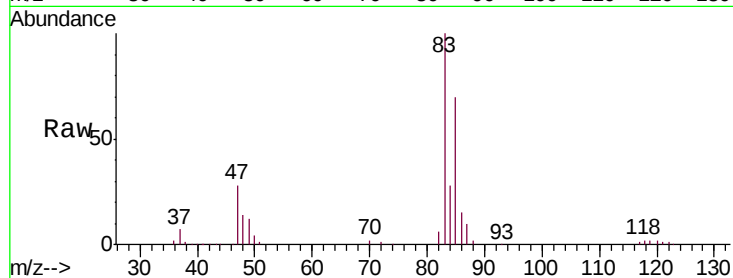
Acq: 11 Apr 2019 01:19

Tgt Ion: 83 Resp: 162459

Ion Ratio Lower Upper

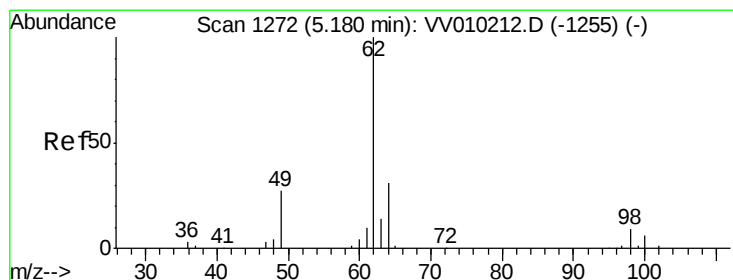
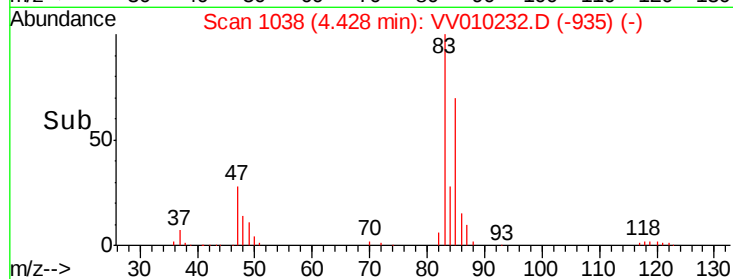
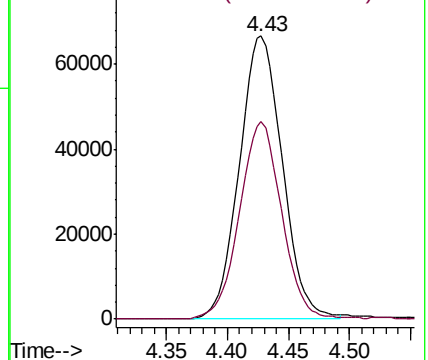
83 100

85 68.3 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 27.877 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VV010232.D

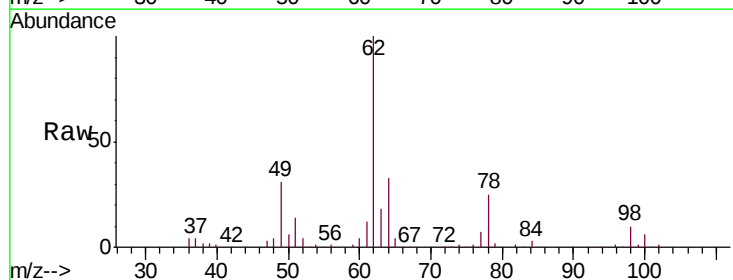
Acq: 11 Apr 2019 01:19

Tgt Ion: 62 Resp: 116096

Ion Ratio Lower Upper

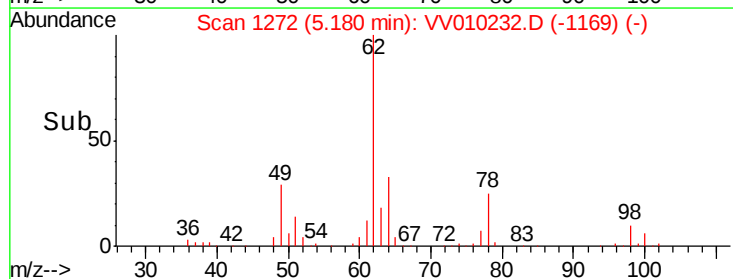
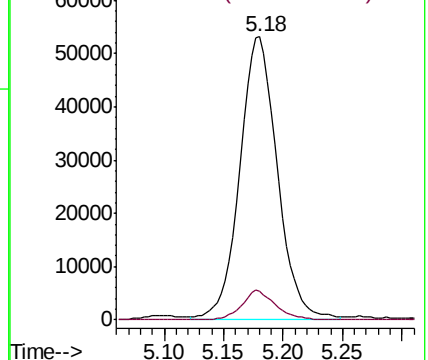
62 100

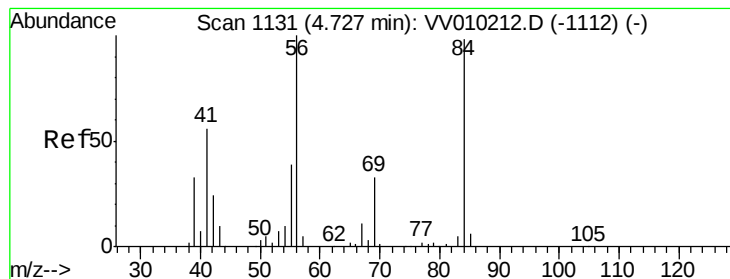
98 10.0 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#30

Cyclohexane

Concen: 20.390 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV010232.D

Acq: 11 Apr 2019 01:19

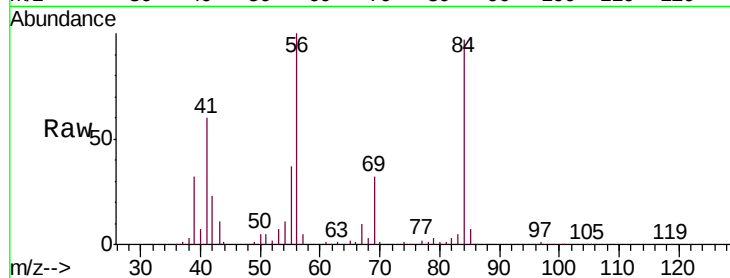
Tgt Ion: 56 Resp: 106401

Ion Ratio Lower Upper

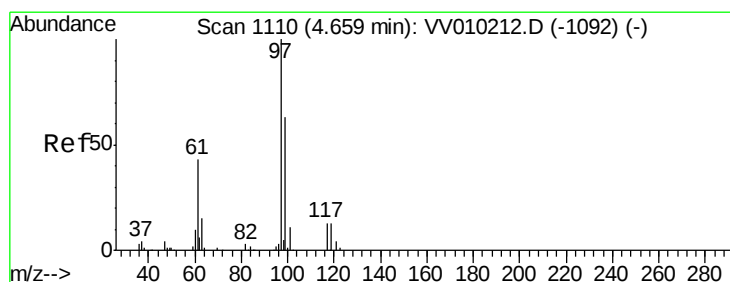
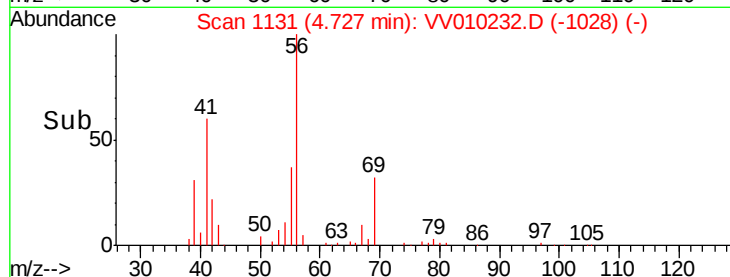
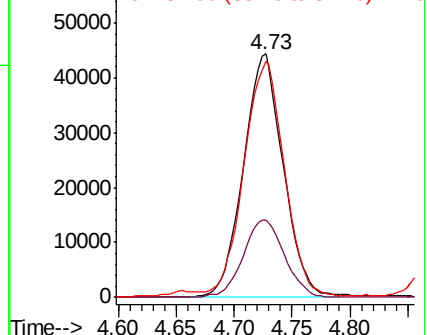
56 100

69 32.8 25.7 38.5

84 97.2 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: 23.425 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV010232.D

Acq: 11 Apr 2019 01:19

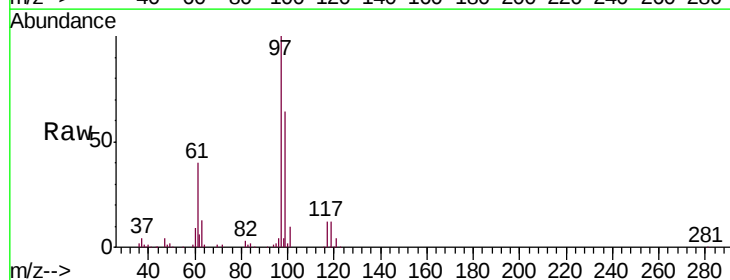
Tgt Ion: 97 Resp: 136539

Ion Ratio Lower Upper

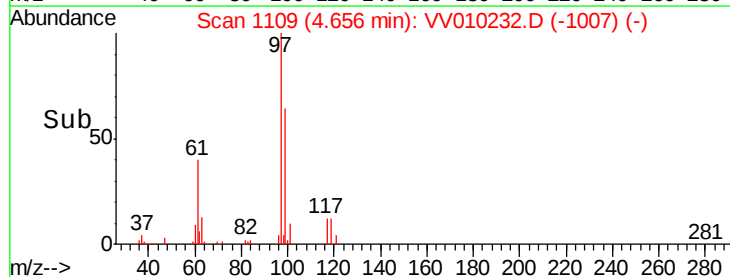
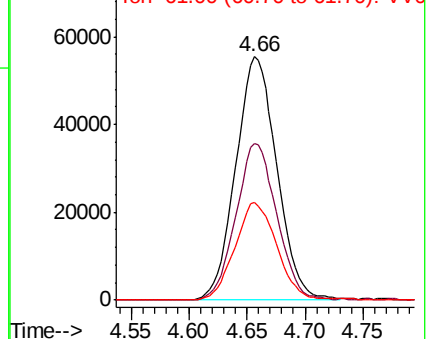
97 100

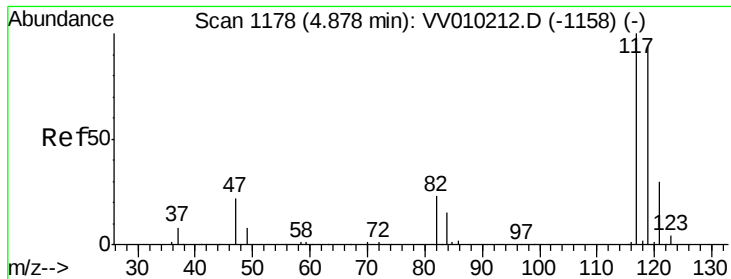
99 63.7 52.2 78.2

61 40.6 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: 22.323 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV010232.D

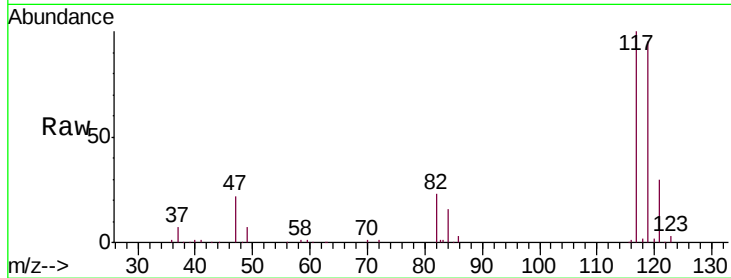
Acq: 11 Apr 2019 01:19

Tgt Ion: 117 Resp: 121247

Ion Ratio Lower Upper

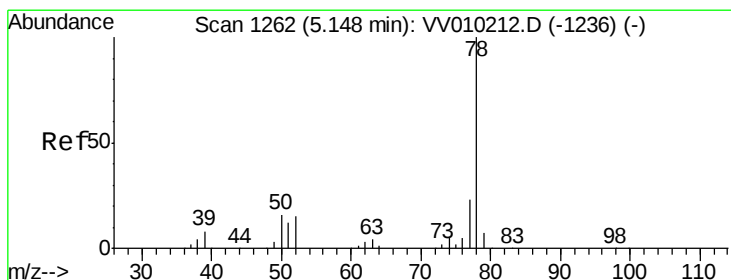
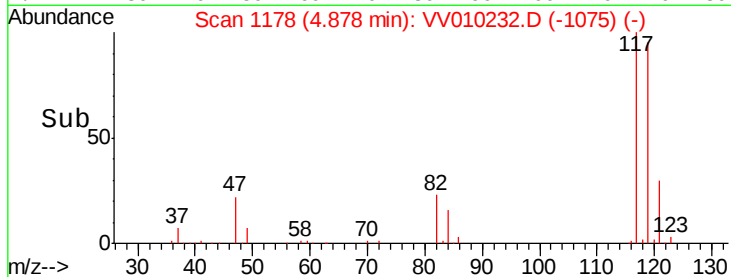
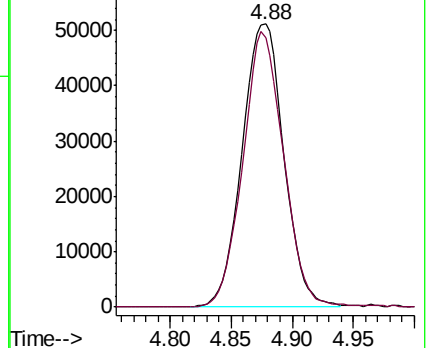
117 100

119 94.4 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: 23.735 ug/L

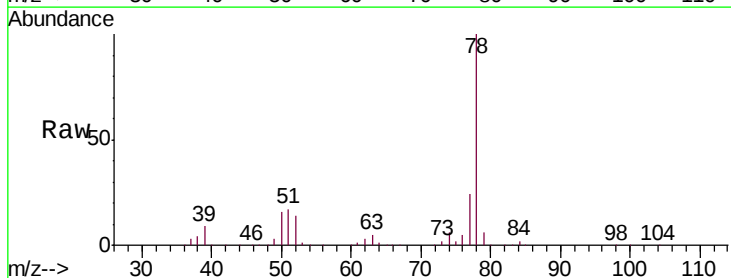
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

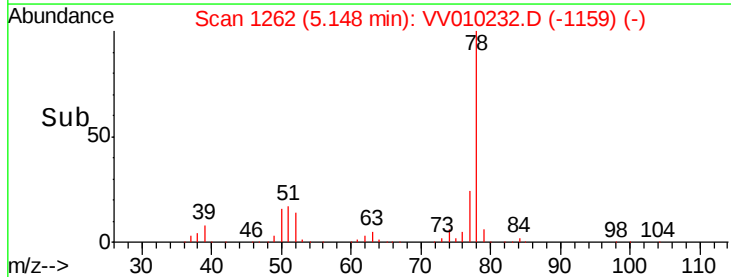
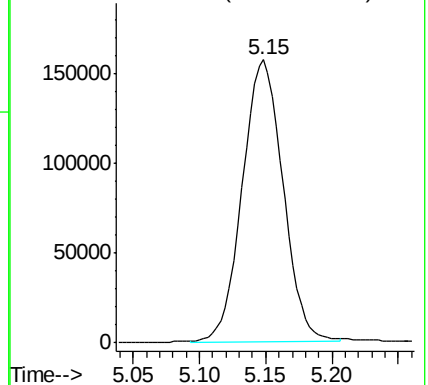
Lab File: VV010232.D

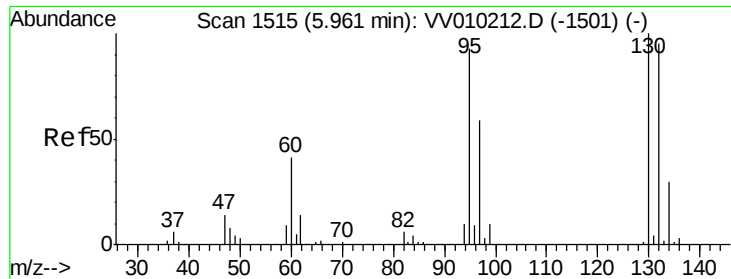
Acq: 11 Apr 2019 01:19

Tgt Ion: 78 Resp: 335251



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 23.130 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV010232.D

Acq: 11 Apr 2019 01:19

Tgt Ion: 95 Resp: 94396

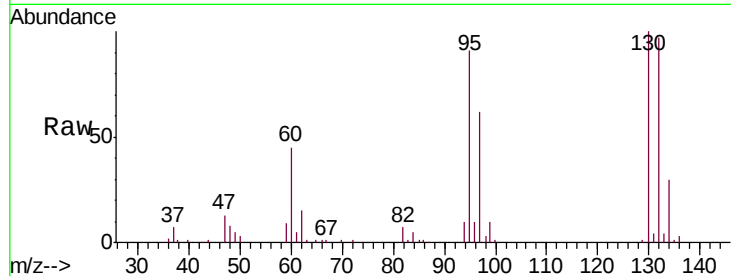
Ion Ratio Lower Upper

95 100

97 67.5 44.3 82.3

132 102.8 71.3 132.3

130 107.5 73.4 136.4

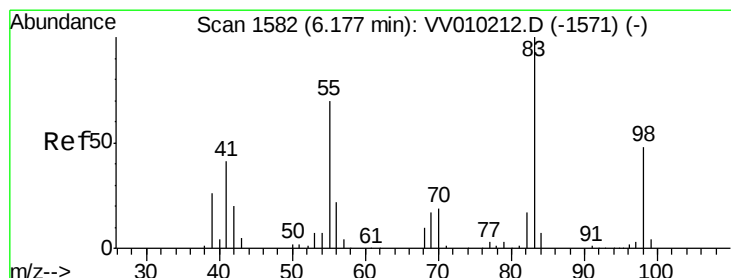
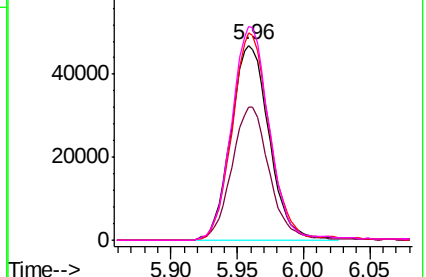
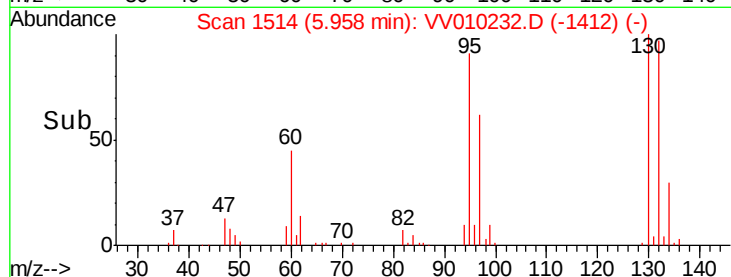


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 21.920 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV010232.D

Acq: 11 Apr 2019 01:19

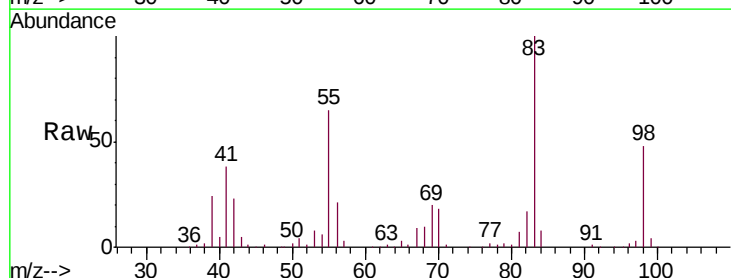
Tgt Ion: 83 Resp: 133681

Ion Ratio Lower Upper

83 100

55 65.9 55.7 83.5

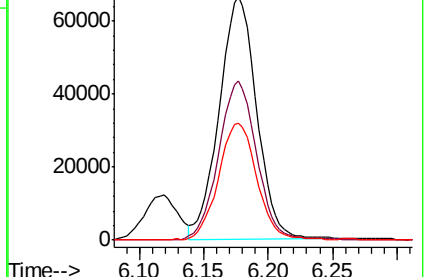
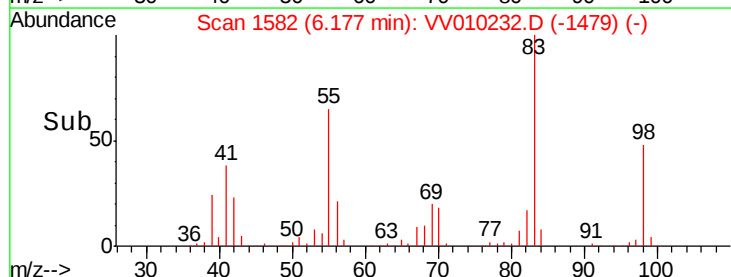
98 48.5 39.4 59.2

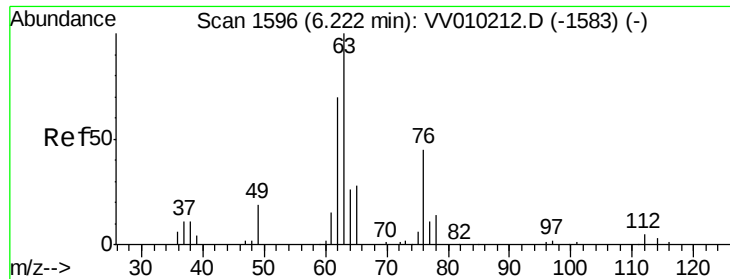


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 25.545 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV010232.D

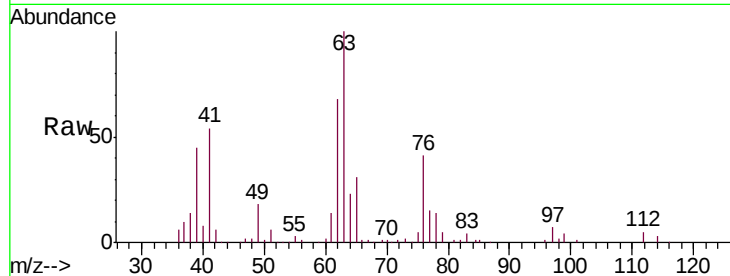
Acq: 11 Apr 2019 01:19

Tgt Ion: 63 Resp: 88291

Ion Ratio Lower Upper

63 100

112 3.7 4.0 6.0#

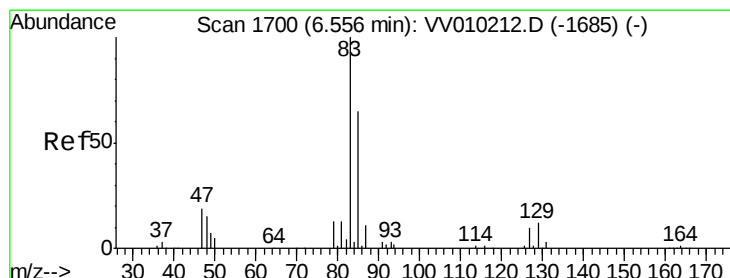
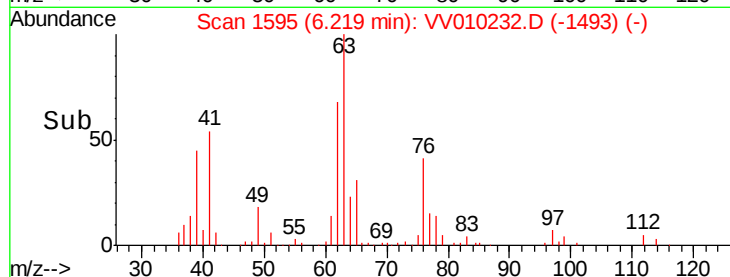


Abundance Ion 63.00 (62.70 to 63.70): VV010232.D (-1595) (-)

Ion 112.00 (111.70 to 112.70): VV010232.D (-1595) (-)

6.22

Time-->



#41

Bromodichloromethane

Concen: 24.702 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV010232.D

Acq: 11 Apr 2019 01:19

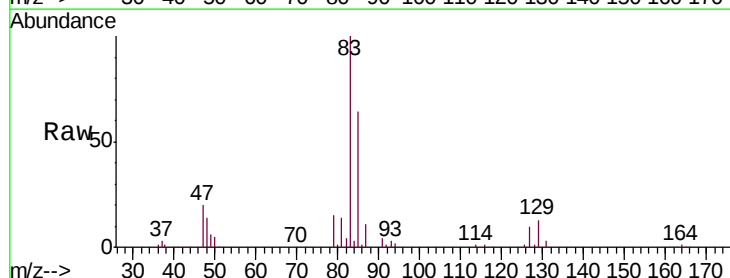
Tgt Ion: 83 Resp: 113758

Ion Ratio Lower Upper

83 100

85 64.1 45.7 84.9

127 10.0 8.2 12.2



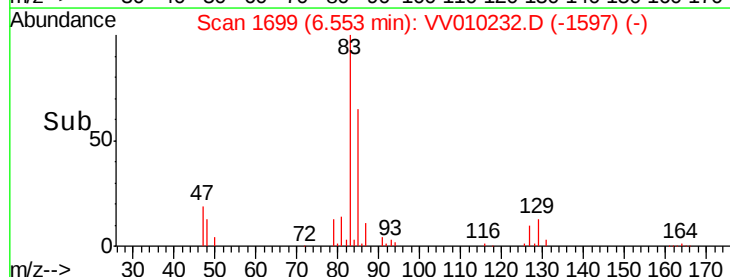
Abundance Ion 83.00 (82.70 to 83.70): VV010232.D (-1699) (-)

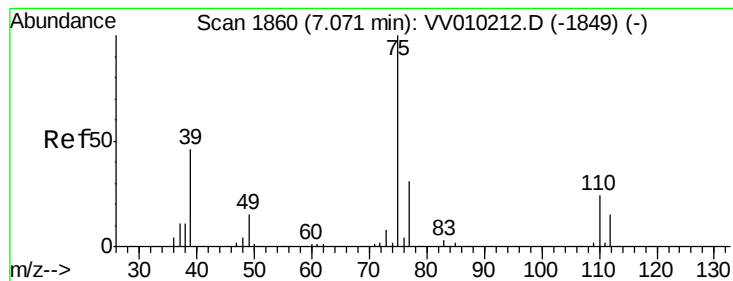
Ion 85.00 (84.70 to 85.70): VV010232.D (-1699) (-)

Ion 127.00 (126.70 to 127.70): VV010232.D (-1699) (-)

6.55

Time-->

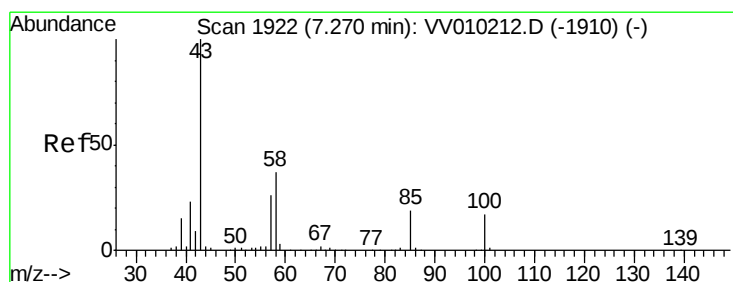
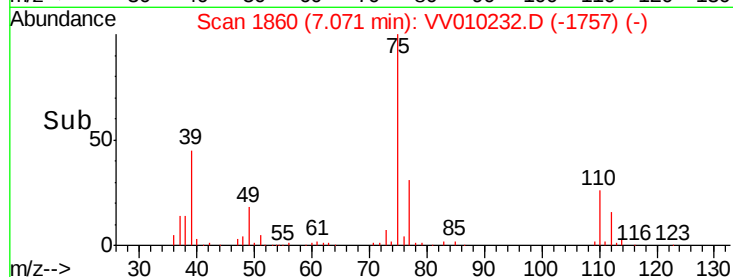
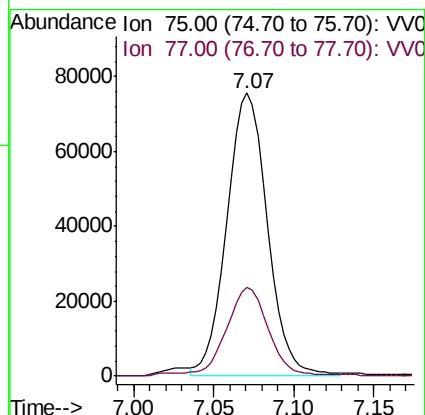
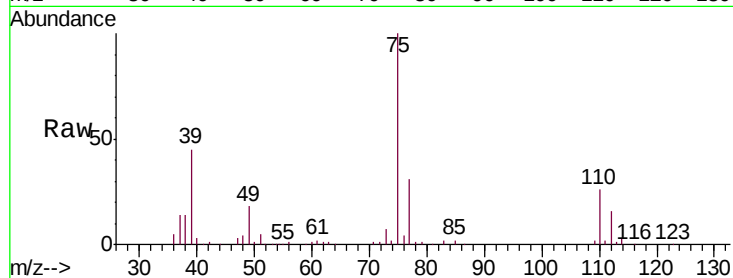




#42

cis-1,3-Dichloropropene
Concen: 24.883 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV010232.D
Acq: 11 Apr 2019 01:19

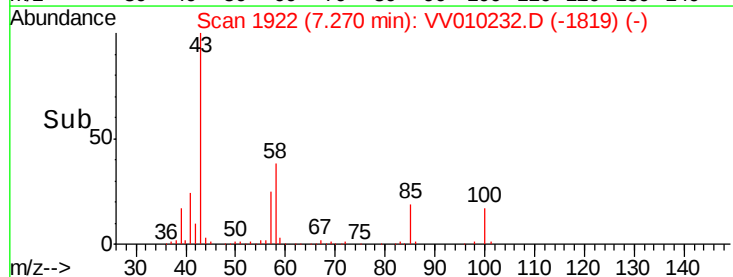
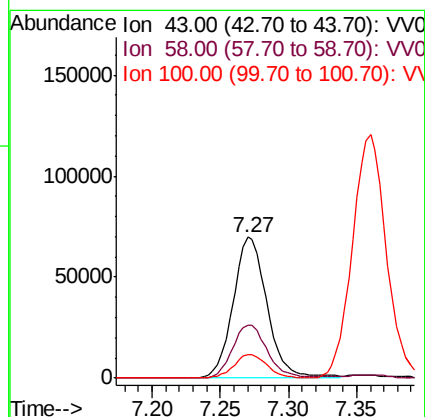
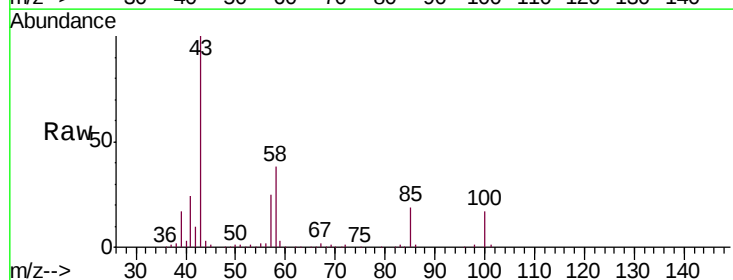
Tgt Ion: 75 Resp: 130331
Ion Ratio Lower Upper
75 100
77 31.3 21.9 40.7

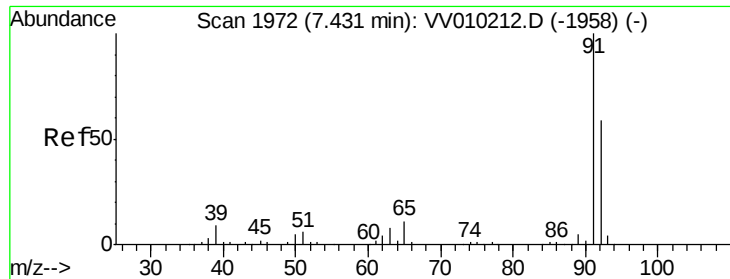


#43

4-Methyl-2-pentanone
Concen: 54.028 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV010232.D
Acq: 11 Apr 2019 01:19

Tgt Ion: 43 Resp: 120859
Ion Ratio Lower Upper
43 100
58 38.8 30.4 45.6
100 16.6 13.5 20.3





#44

Toluene

Concen: 24.136 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010232.D

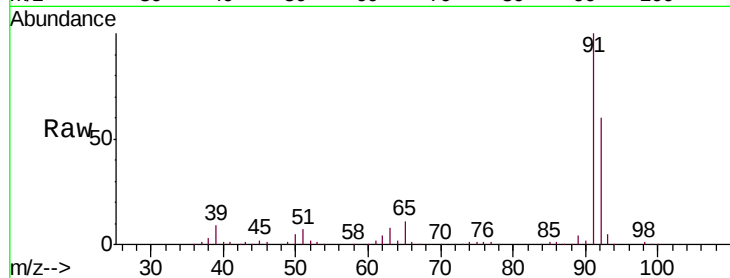
Acq: 11 Apr 2019 01:19

Tgt Ion: 91 Resp: 383264

Ion Ratio Lower Upper

91 100

92 59.6 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV010232.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010232.D (-1958) (-)

7.43

250000

200000

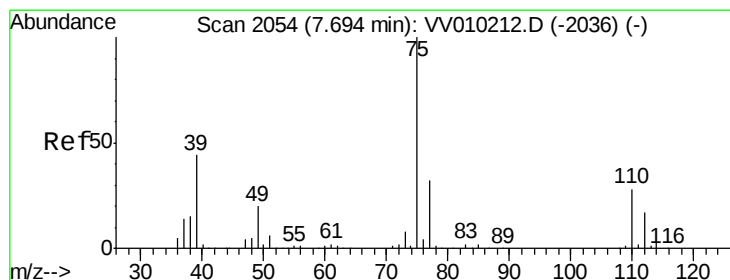
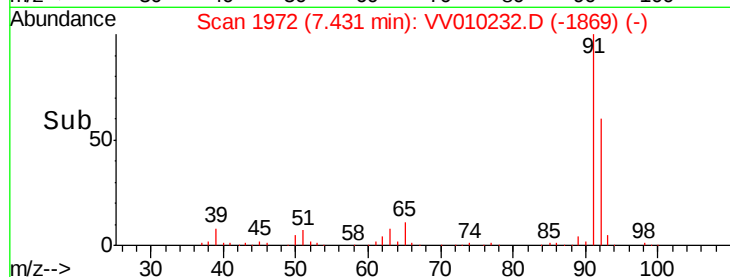
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 26.053 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV010232.D

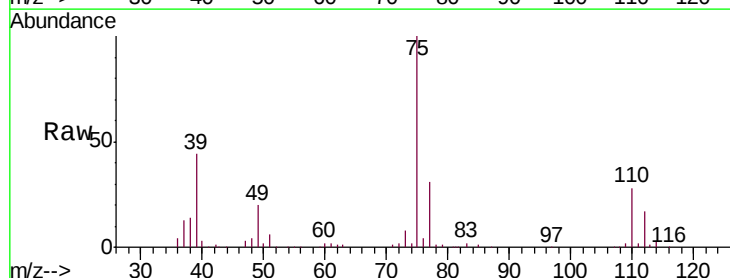
Acq: 11 Apr 2019 01:19

Tgt Ion: 75 Resp: 114522

Ion Ratio Lower Upper

75 100

77 30.9 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VV010232.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV010232.D (-2036) (-)

7.69

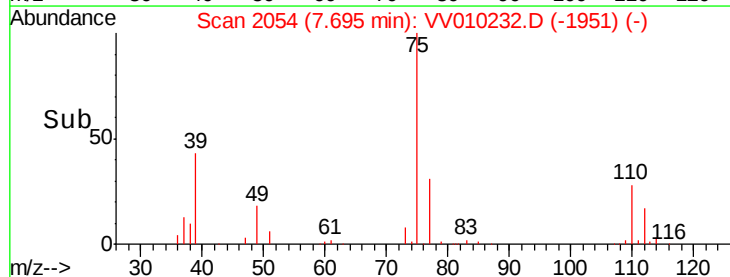
60000

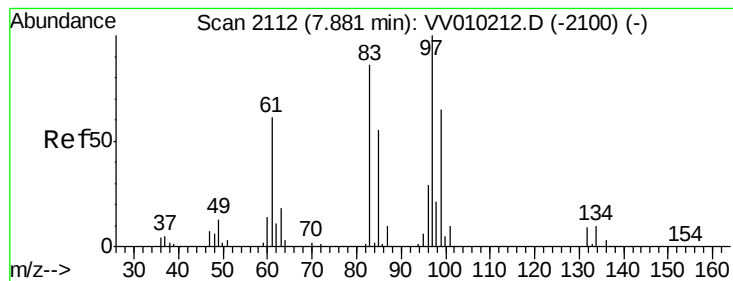
40000

20000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 26.193 ug/L

RT: 7.88 min Scan# 2112

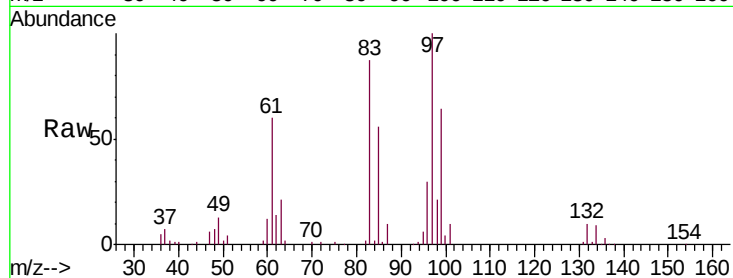
Delta R.T. 0.00 min

Lab File: VV010232.D

Acq: 11 Apr 2019 01:19

Tgt Ion: 97 Resp: 76794

Ion	Ratio	Lower	Upper
97	100		
83	87.4	60.5	112.5
85	56.3	38.8	72.0
99	64.3	45.6	84.6

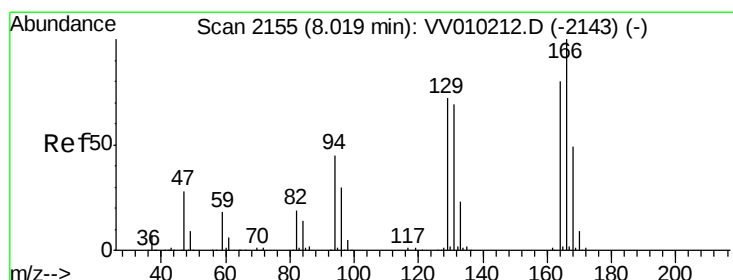
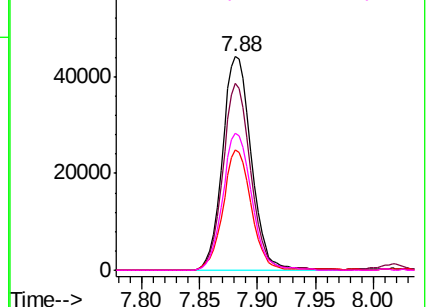
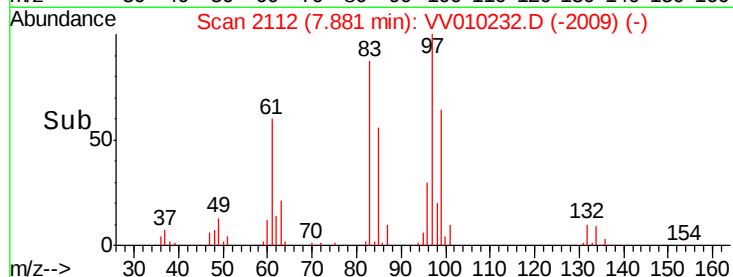


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47

Tetrachloroethene

Concen: 21.861 ug/L

RT: 8.02 min Scan# 2155

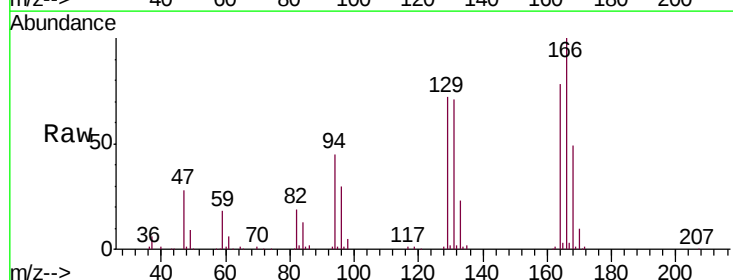
Delta R.T. 0.00 min

Lab File: VV010232.D

Acq: 11 Apr 2019 01:19

Tgt Ion: 164 Resp: 79093

Ion	Ratio	Lower	Upper
164	100		
129	91.6	62.6	116.2
131	91.0	60.0	111.4
166	127.7	87.4	162.2

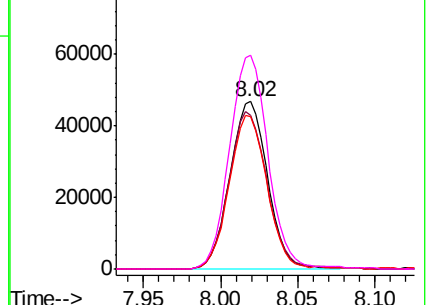
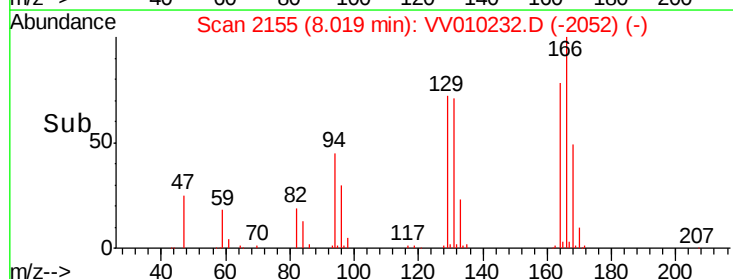


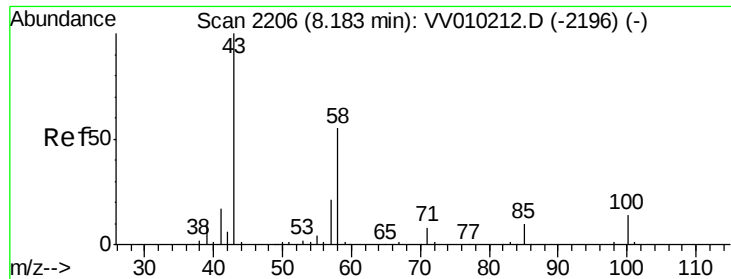
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

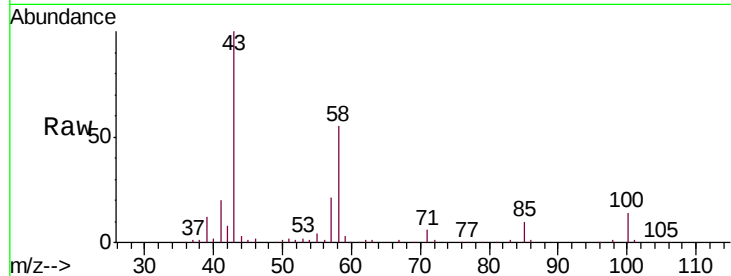
Ion 166.00 (165.70 to 166.70): V



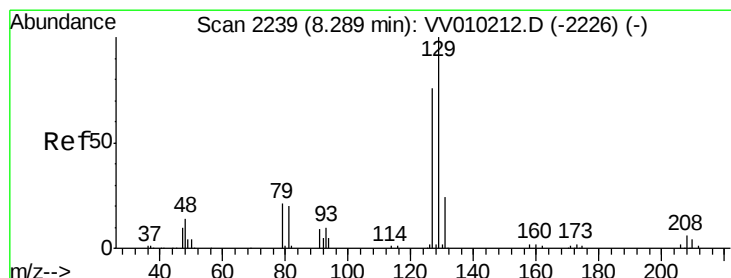
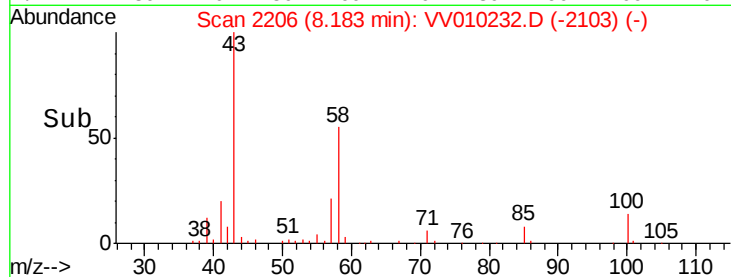
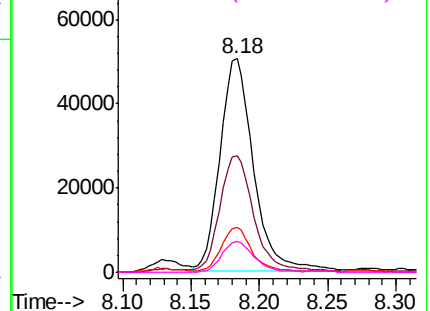


#49
2-Hexanone
Concen: 58.742 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV010232.D
Acq: 11 Apr 2019 01:19

Tgt Ion: 43 Resp: 86396
Ion Ratio Lower Upper
43 100
58 55.7 42.8 64.2
57 20.0 16.2 24.4
100 13.8 11.1 16.7

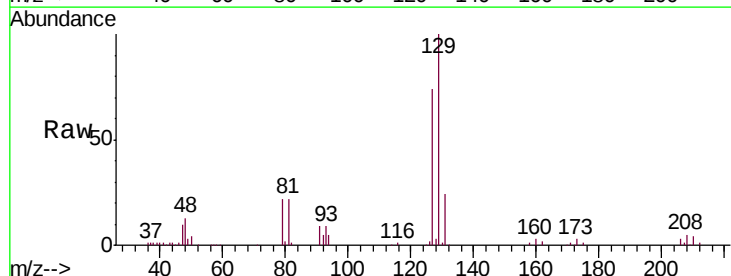


Abundance Ion 43.00 (42.70 to 43.70): VV010232.D (-2196) (-)
Ion 58.00 (57.70 to 58.70): VV010232.D (-2196) (-)
Ion 57.00 (56.70 to 57.70): VV010232.D (-2196) (-)
Ion 100.00 (99.70 to 100.70): VV010232.D (-2196) (-)

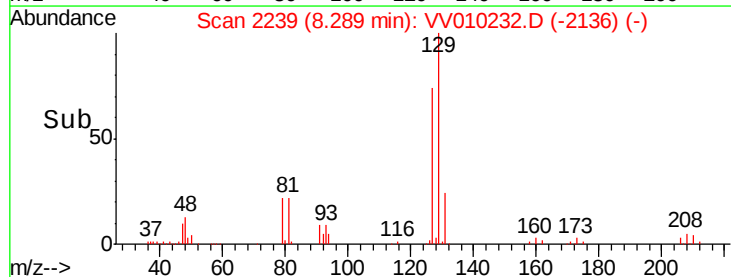
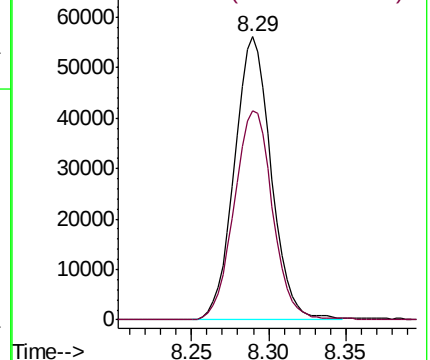


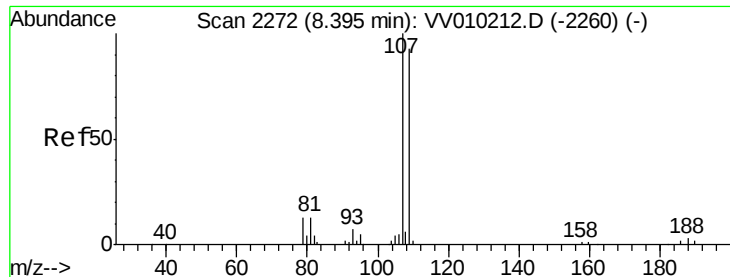
#50
Dibromochloromethane
Concen: 25.782 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010232.D
Acq: 11 Apr 2019 01:19

Tgt Ion: 129 Resp: 92466
Ion Ratio Lower Upper
129 100
127 74.1 52.8 98.2



Abundance Ion 129.00 (128.70 to 129.70): VV010232.D (-2226) (-)
Ion 127.00 (126.70 to 127.70): VV010232.D (-2226) (-)





#51

1,2-Dibromoethane

Concen: 26.535 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV010232.D

Acq: 11 Apr 2019 01:19

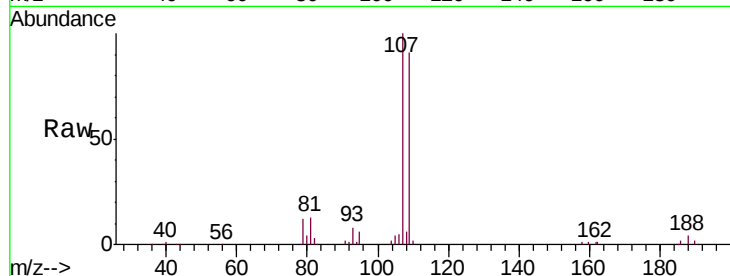
Tgt Ion:107 Resp: 79346

Ion Ratio Lower Upper

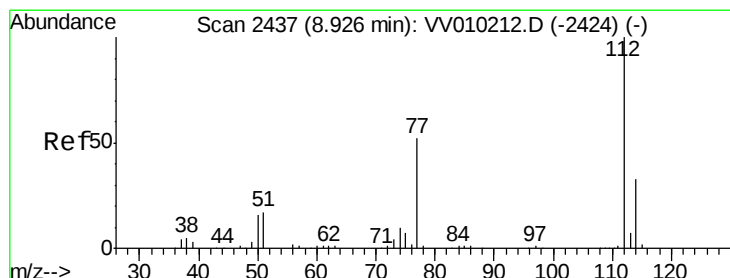
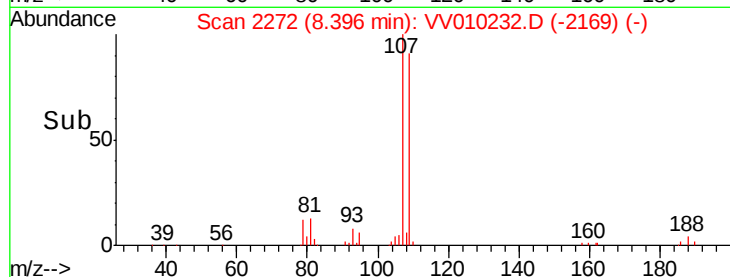
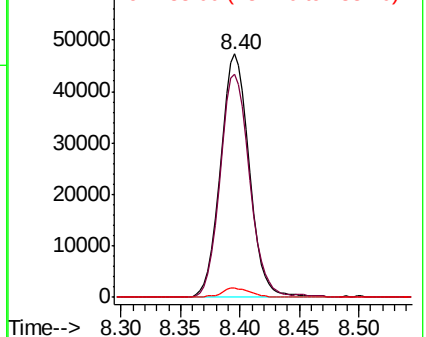
107 100

109 91.5 65.2 121.0

188 3.8 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: 24.565 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010232.D

Acq: 11 Apr 2019 01:19

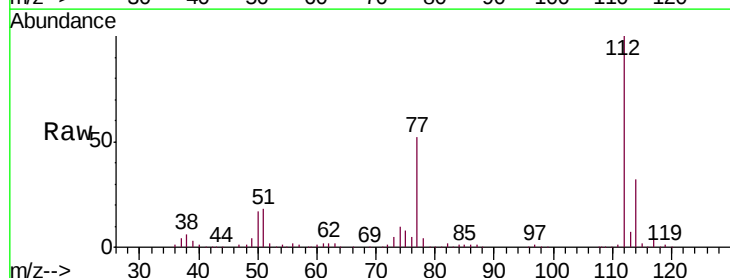
Tgt Ion:112 Resp: 272195

Ion Ratio Lower Upper

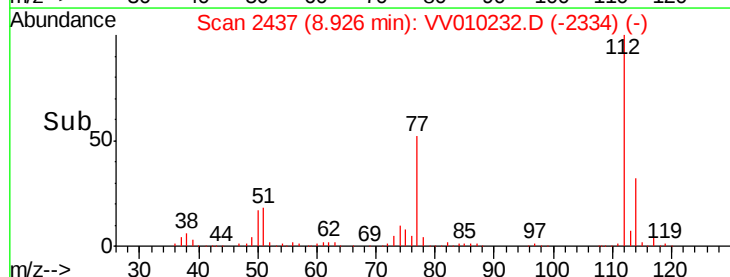
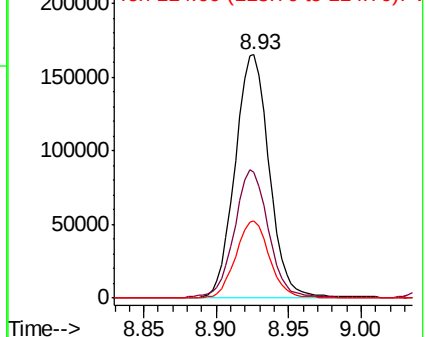
112 100

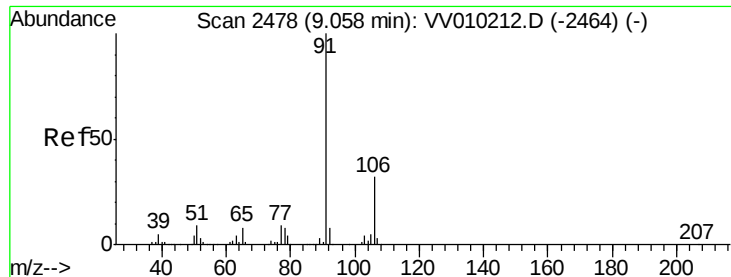
77 51.6 42.2 63.2

114 31.8 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: 24.273 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV010232.D

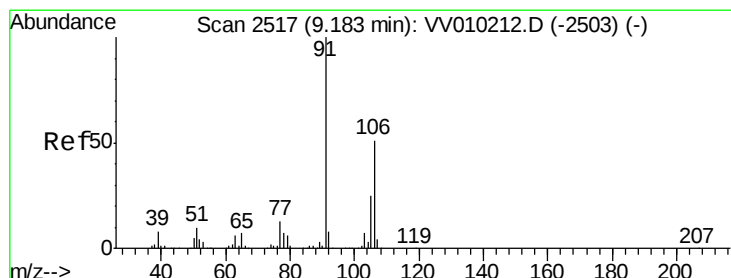
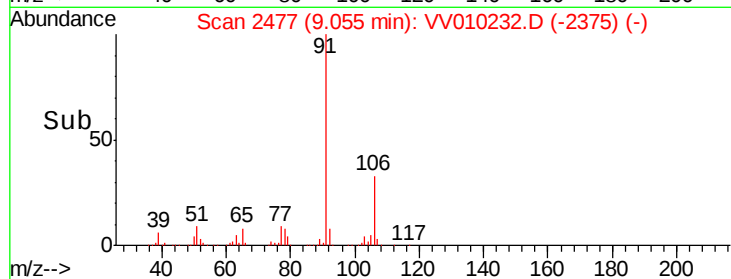
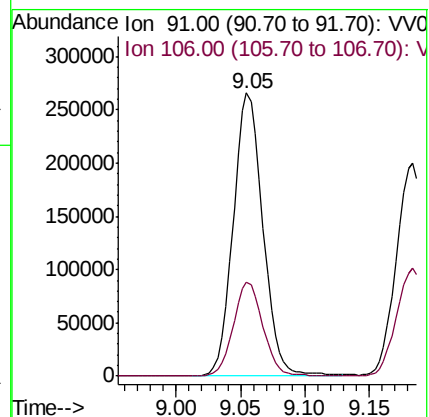
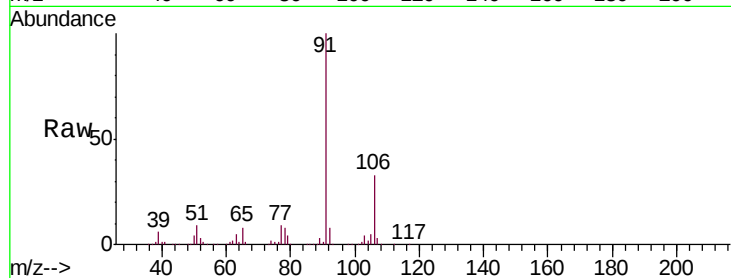
Acq: 11 Apr 2019 01:19

Tgt Ion: 91 Resp: 425035

Ion Ratio Lower Upper

91 100

106 33.2 22.5 41.9



#54

m,p-Xylene

Concen: 24.582 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010232.D

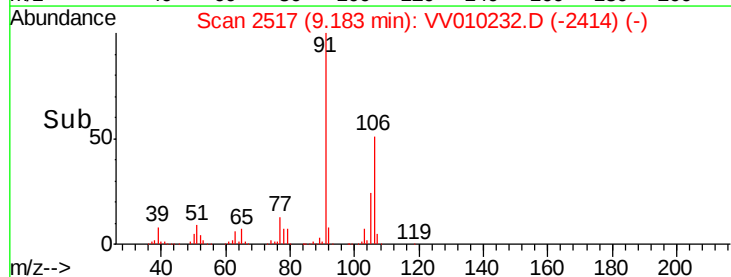
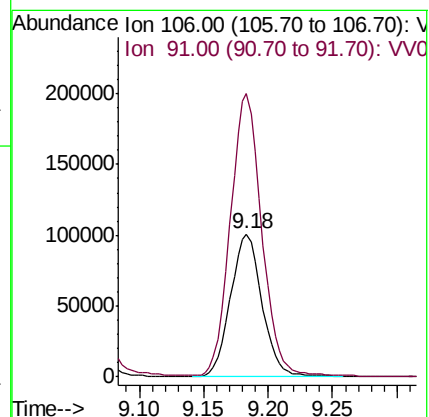
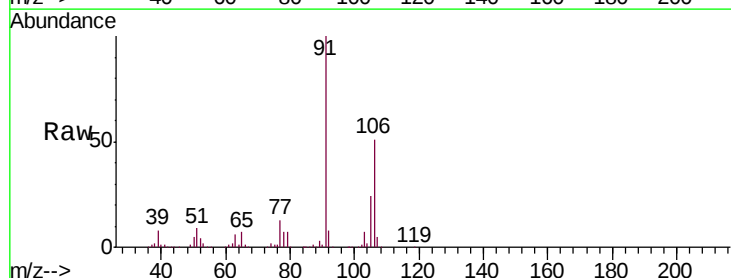
Acq: 11 Apr 2019 01:19

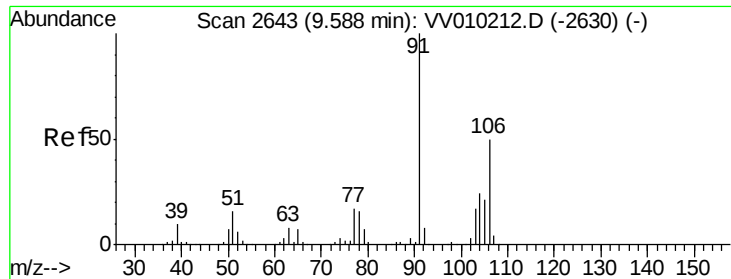
Tgt Ion: 106 Resp: 169804

Ion Ratio Lower Upper

106 100

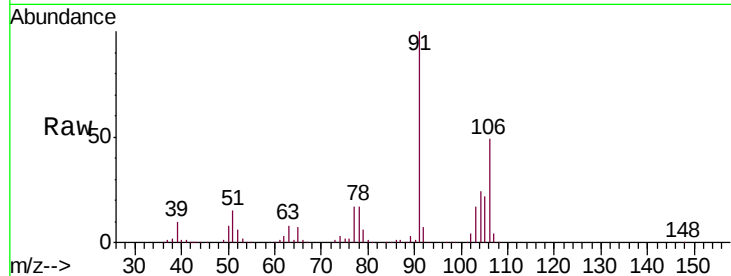
91 198.0 136.6 253.6



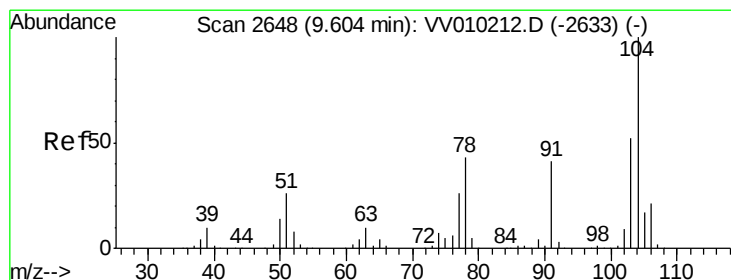
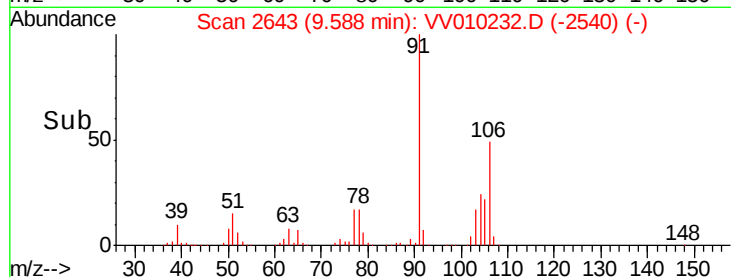
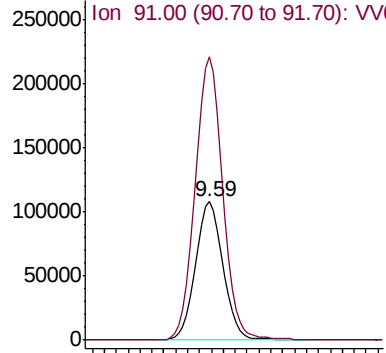


#55
o-xylene
Concen: 25.180 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV010232.D
Acq: 11 Apr 2019 01:19

Tgt Ion:106 Resp: 173213
Ion Ratio Lower Upper
106 100
91 204.9 139.4 259.0

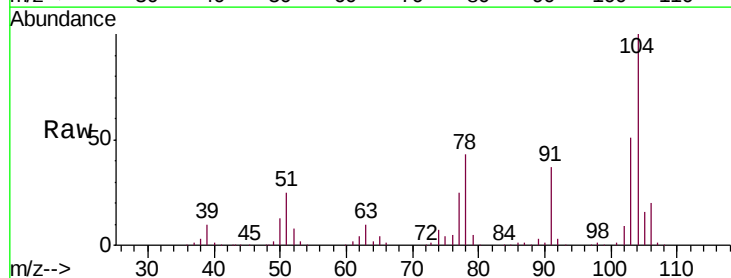


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

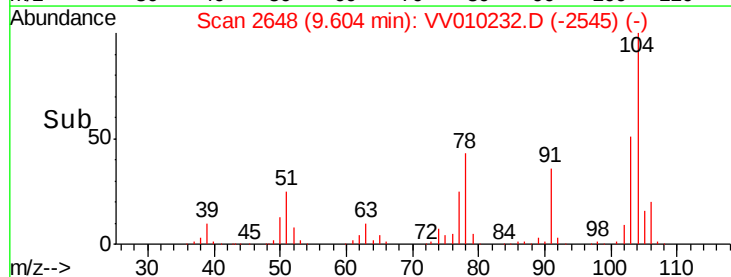
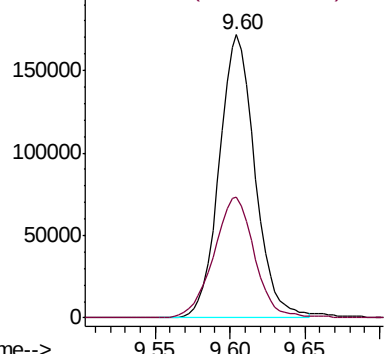


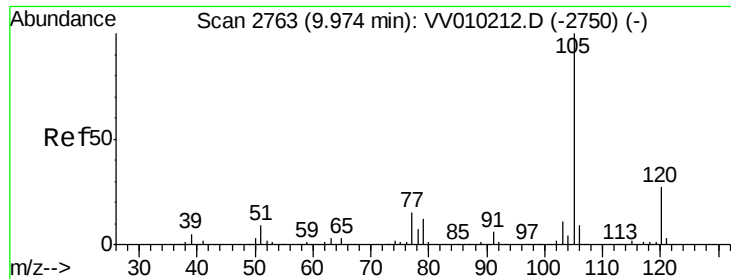
#56
Styrene
Concen: 26.059 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV010232.D
Acq: 11 Apr 2019 01:19

Tgt Ion:104 Resp: 285411
Ion Ratio Lower Upper
104 100
78 42.6 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: 24.402 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010232.D

Acq: 11 Apr 2019 01:19

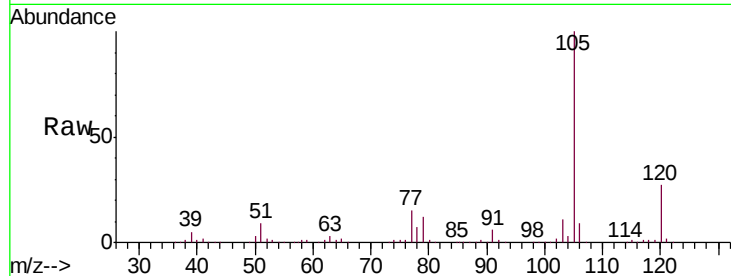
Tgt Ion: 105 Resp: 426621

Ion Ratio Lower Upper

105 100

120 27.4 22.2 33.2

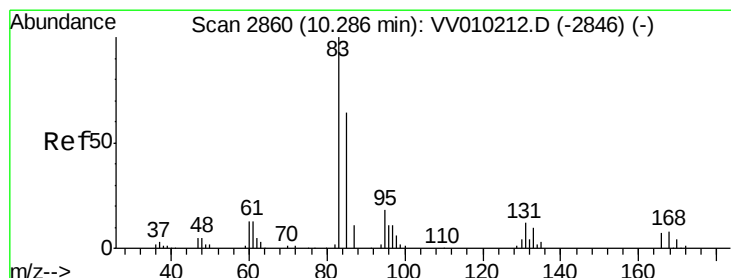
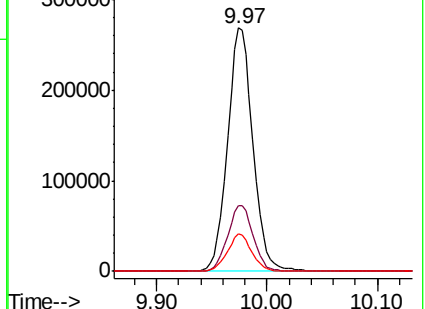
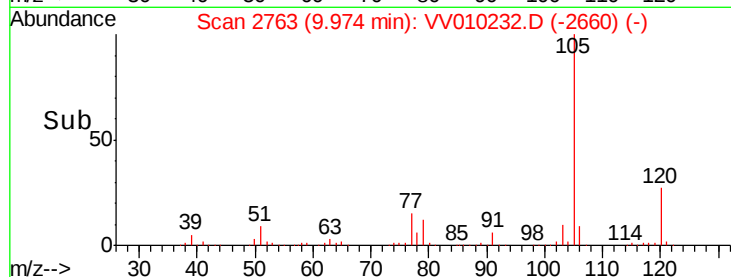
77 14.8 12.2 18.4



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: 27.173 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010232.D

Acq: 11 Apr 2019 01:19

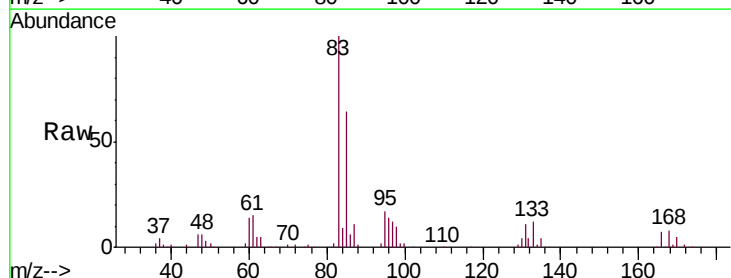
Tgt Ion: 83 Resp: 98464

Ion Ratio Lower Upper

83 100

85 63.7 44.9 83.5

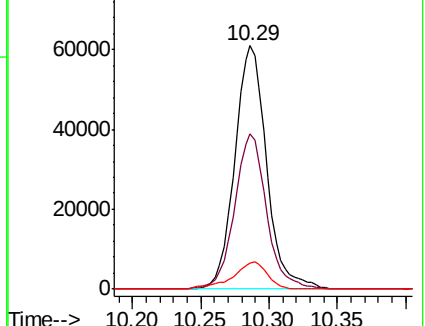
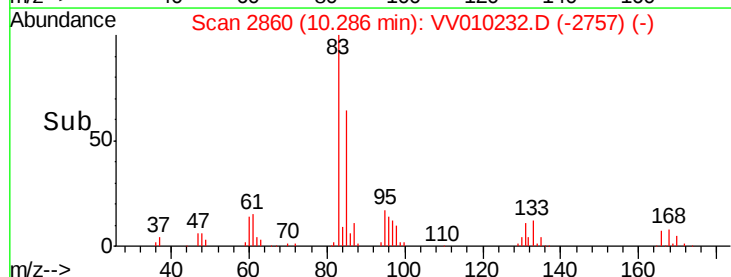
131 10.9 9.2 13.8

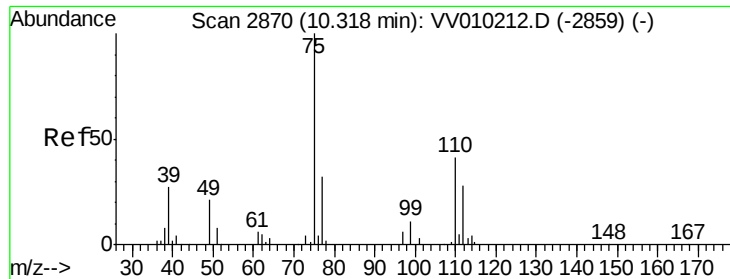


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

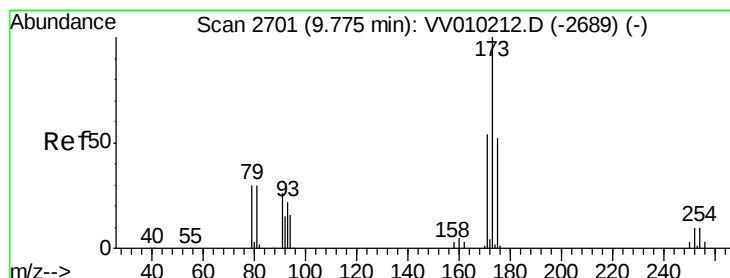
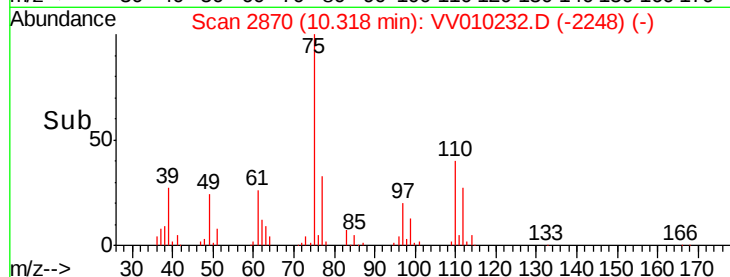
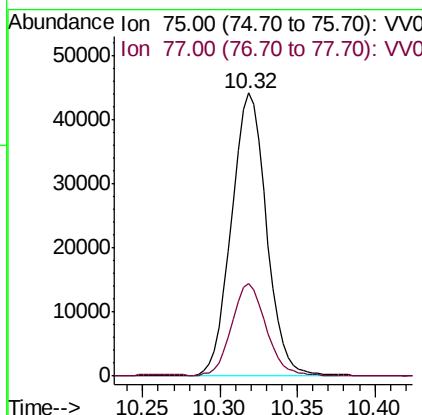
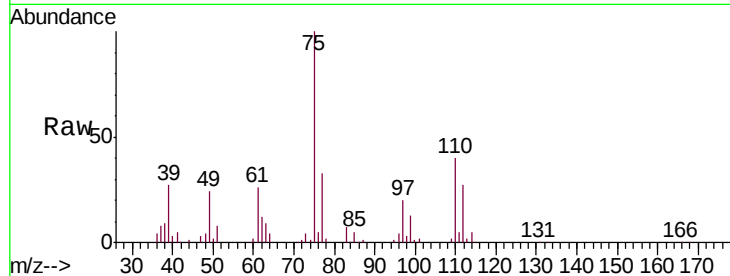
Ion 131.00 (130.70 to 131.70): V





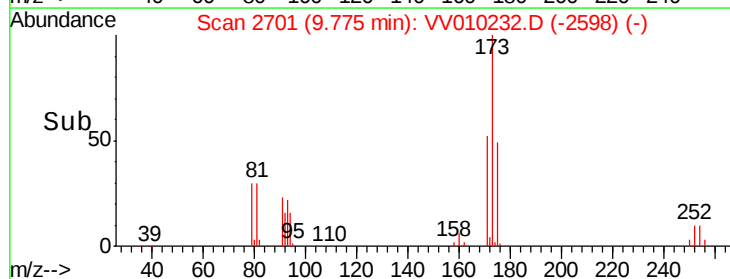
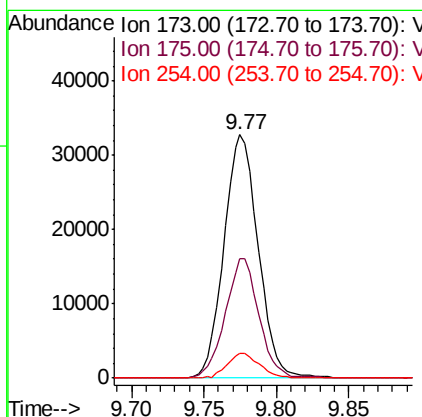
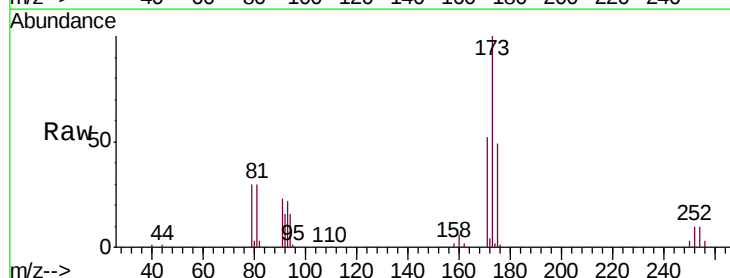
#59
 1,2,3-Trichloropropane
 Concen: 26.050 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010232.D
 Acq: 11 Apr 2019 01:19

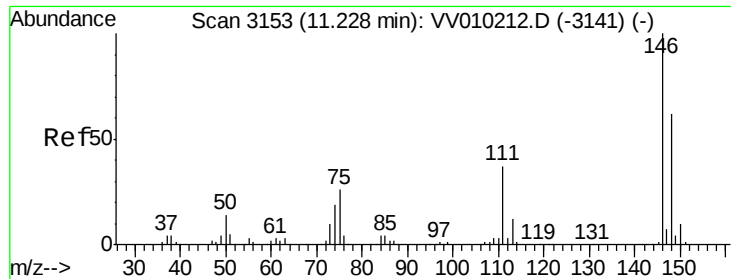
Tgt Ion: 75 Resp: 69472
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.9 40.3



#62
 Bromoform
 Concen: 25.228 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV010232.D
 Acq: 11 Apr 2019 01:19

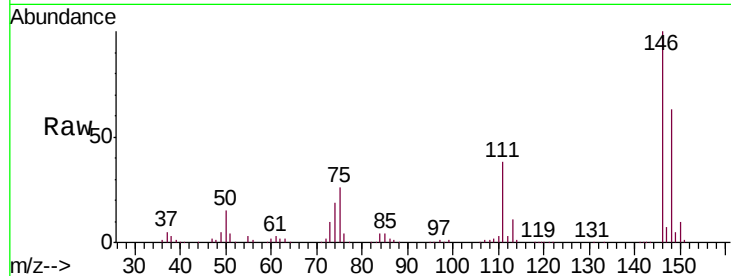
Tgt Ion: 173 Resp: 53556
 Ion Ratio Lower Upper
 173 100
 175 47.9 40.3 60.5
 254 9.4 8.0 12.0



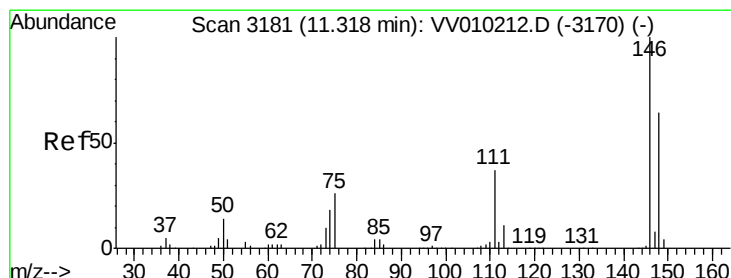
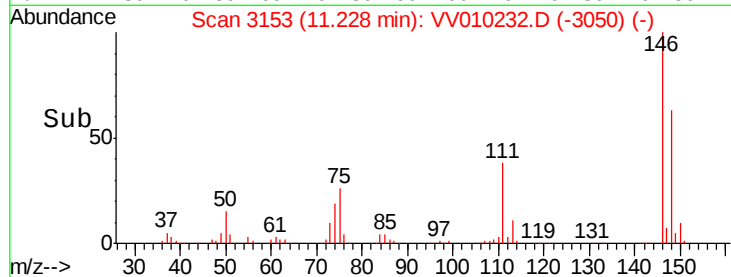
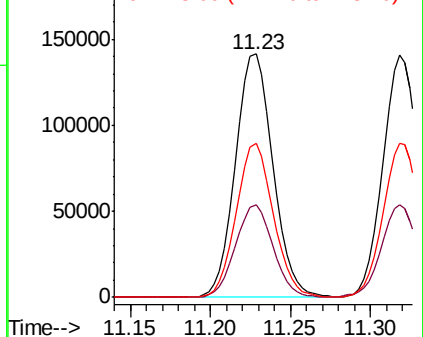


#63
 1,3-Dichlorobenzene
 Concen: 24.930 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV010232.D
 Acq: 11 Apr 2019 01:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	26.2	48.8
148	63.1	43.2	80.2

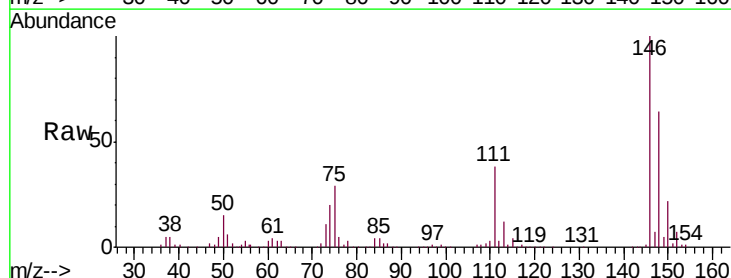


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

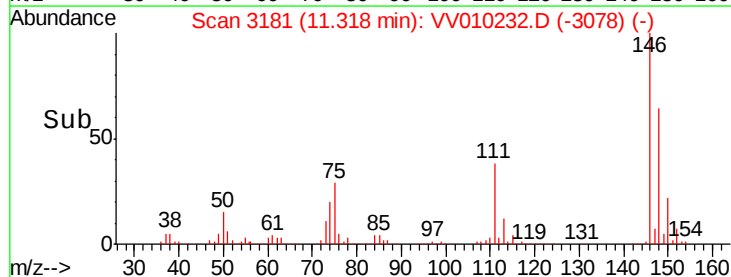
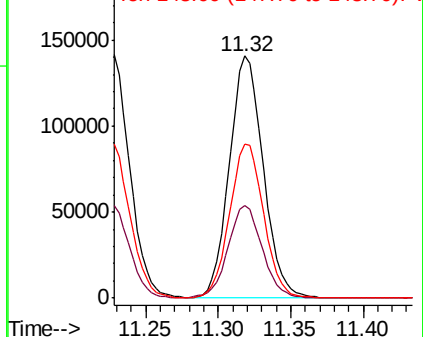


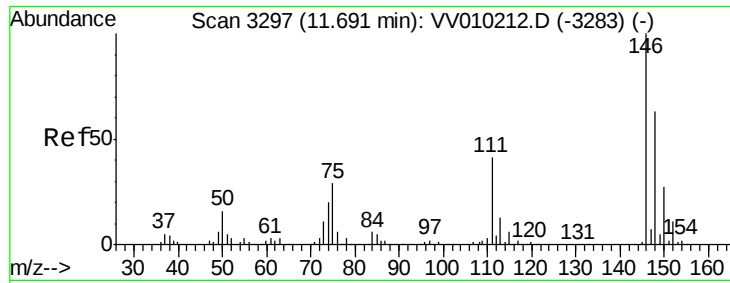
#64
 1,4-Dichlorobenzene
 Concen: 24.626 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010232.D
 Acq: 11 Apr 2019 01:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	26.5	49.3
148	63.8	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: 25.427 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010232.D

Acq: 11 Apr 2019 01:19

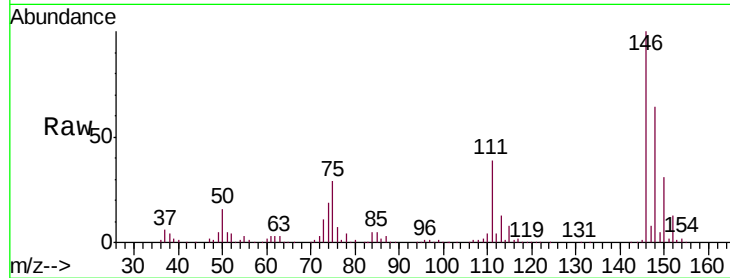
Tgt Ion: 146 Resp: 220132

Ion Ratio Lower Upper

146 100

111 39.2 32.5 48.7

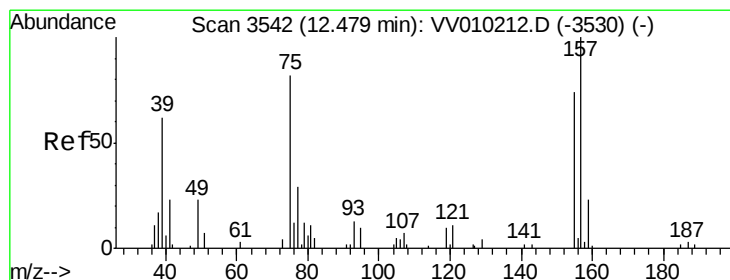
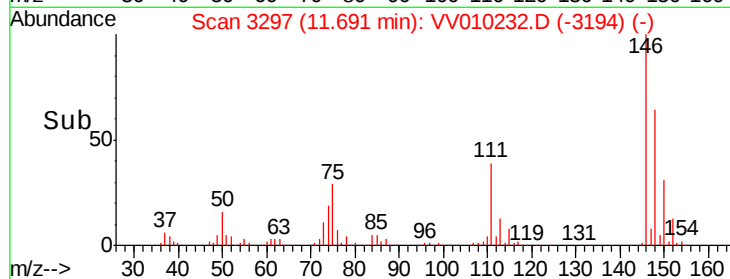
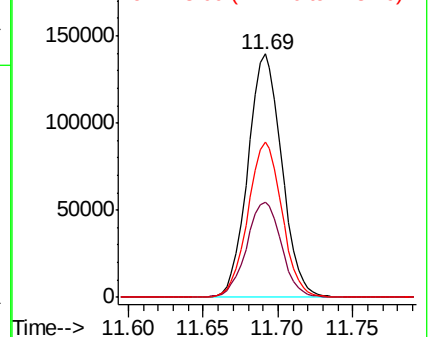
148 63.8 50.7 76.1



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: 26.633 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV010232.D

Acq: 11 Apr 2019 01:19

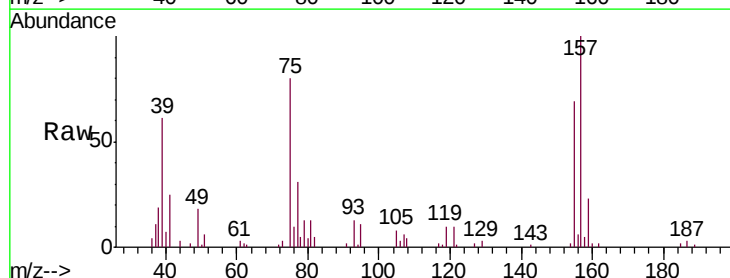
Tgt Ion: 75 Resp: 13044

Ion Ratio Lower Upper

75 100

157 124.5 97.4 146.2

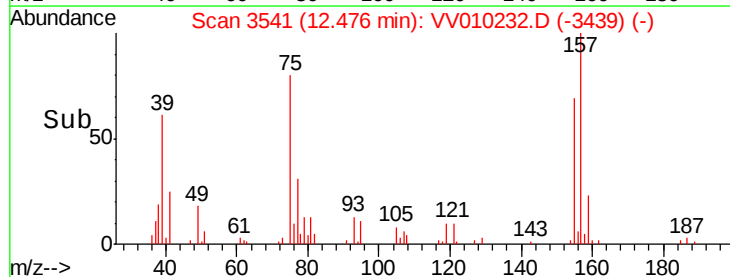
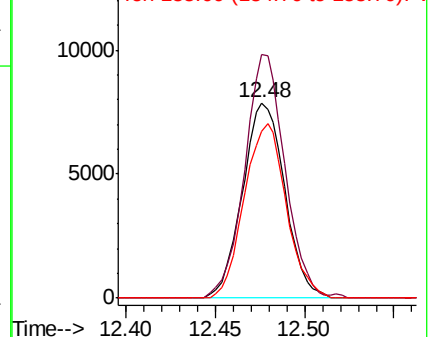
155 85.4 72.5 108.7

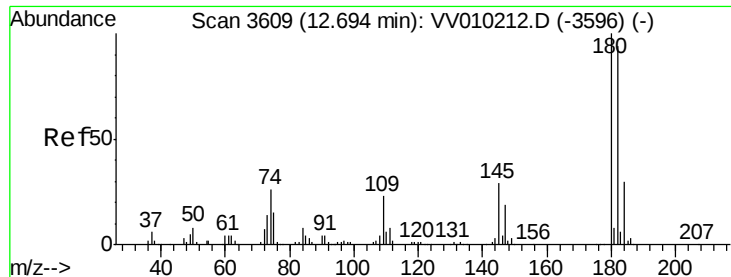


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

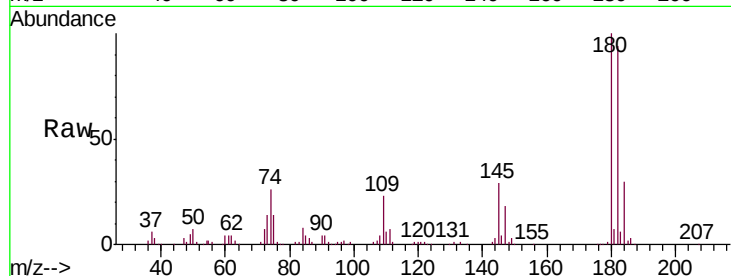
Ion 155.00 (154.70 to 155.70): V



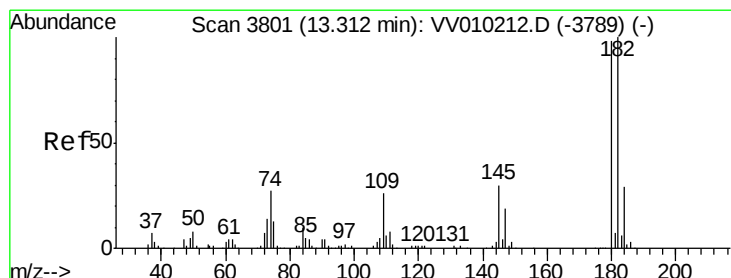
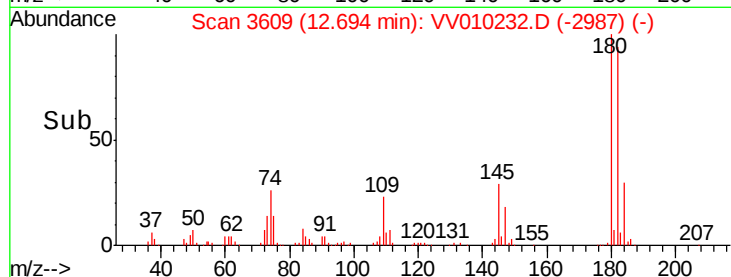
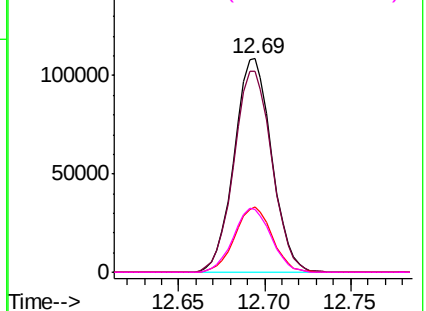


#67
 1,3,5-Trichlorobenzene
 Concen: 24.627 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010232.D
 Acq: 11 Apr 2019 01:19

Tgt Ion:	180	Resp:	165505
Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.5	113.3
184	30.2	23.8	35.8
145	30.0	22.9	34.3

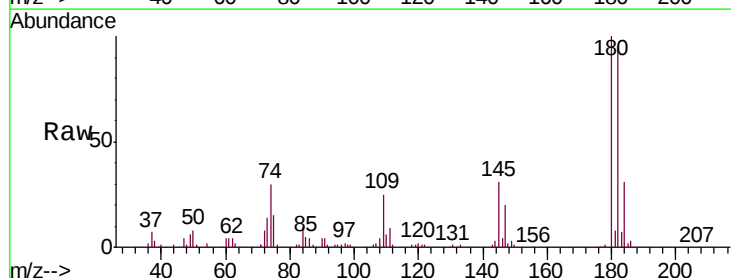


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

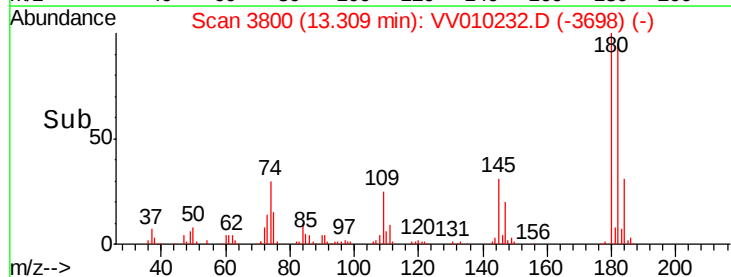
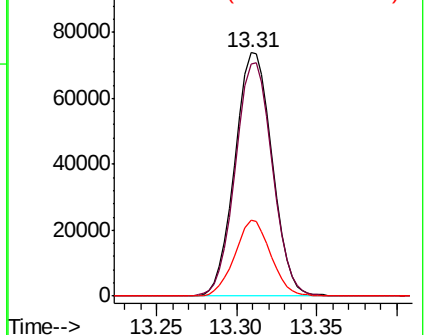


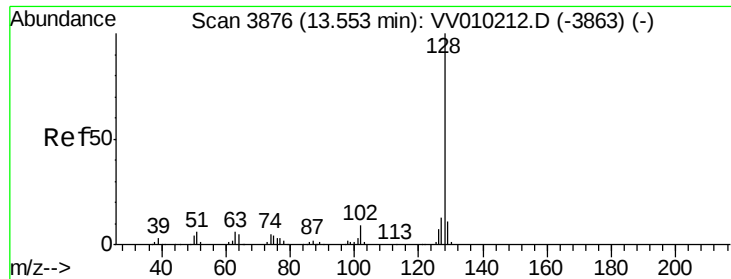
#68
 1,2,4-trichlorobenzene
 Concen: 25.480 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV010232.D
 Acq: 11 Apr 2019 01:19

Tgt Ion:	180	Resp:	117336
Ion	Ratio	Lower	Upper
180	100		
182	95.2	78.8	118.2
145	30.0	24.5	36.7



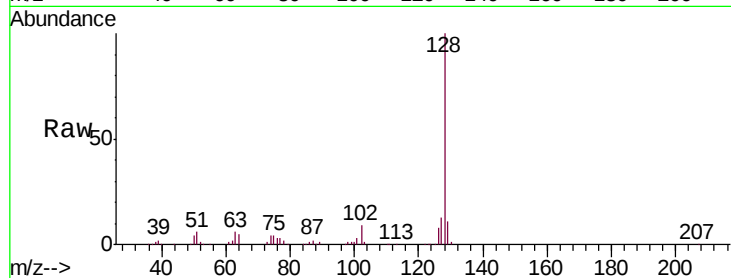
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69
Naphthalene
Concen: 27.409 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV010232.D
Acq: 11 Apr 2019 01:19

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.0	13.4
127	13.3	10.6	15.8

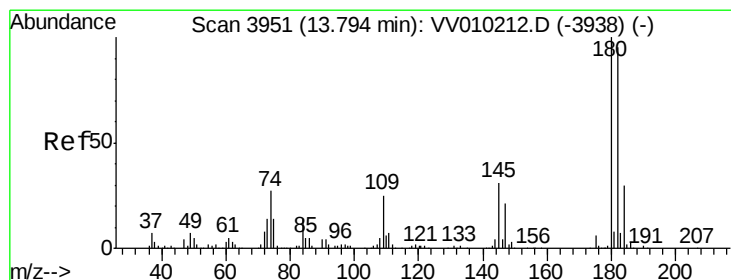
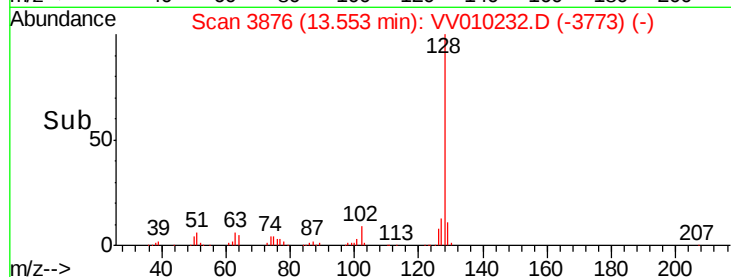
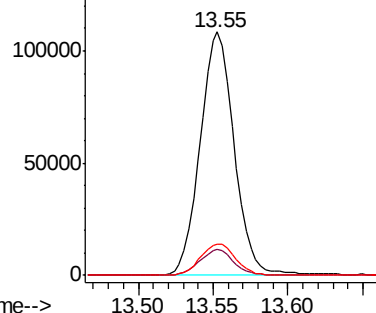


Abundance

Ion 128.00 (127.70 to 128.70): V

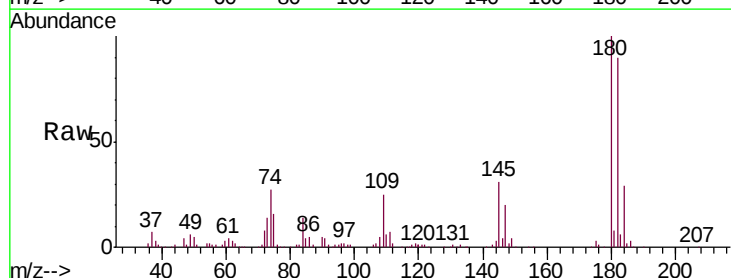
Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 26.687 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV010232.D
Acq: 11 Apr 2019 01:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.2	114.4
145	31.8	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

