

Data File : VV010673.D
Acq On : 06 May 2019 12:03
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 03:59:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis
QLast Update : Mon May 06 01:43:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	200689	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	194906	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	100958	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47232	18.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.36%
7) Chloroethane-d5	1.57	69	32662	18.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.44%
10) 1,1-Dichloroethene-d2	2.12	63	85985	19.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.20%
20) 2-Butanone-d5	3.93	46	42672	55.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.40%
24) Chloroform-d	4.40	84	127533	24.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.08	65	70886	23.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.44%
29) Benzene-d6	5.10	84	256649	25.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.64%
33) 1,2-Dichloropropane-d6	6.12	67	77942	25.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.76%
37) Toluene-d8	7.36	98	254970	26.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.08%
38) trans-1,3-Dichloropropene-	7.66	79	36057	28.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	112.76%
39) 2-Hexanone-d5	8.13	63	33745	61.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.52%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	75482	27.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.28%
61) 1,2-Dichlorobenzene-d4	11.67	152	98938	25.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	72371	24.392	ug/L 100
3) Chloromethane	1.25	50	57248	20.982	ug/L 99
5) Vinyl chloride	1.32	62	48890	19.871	ug/L 99
6) Bromomethane	1.51	94	23662	18.782	ug/L 99
8) Chloroethane	1.59	64	26389	20.326	ug/L 97
9) Trichlorofluoromethane	1.76	101	91532	21.016	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	46207	20.953	ug/L 99
12) 1,1-Dichloroethene	2.14	96	39791	20.638	ug/L 88
13) Acetone	2.19	43	23724	35.798	ug/L 97
14) Carbon disulfide	2.31	76	143489	22.477	ug/L 100
15) Methyl Acetate	2.46	43	31215	24.095	ug/L 97
16) Methylene chloride	2.53	84	63597	22.720	ug/L 98
17) Methyl tert-butyl Ether	2.80	73	154397	25.998	ug/L 97
18) trans-1,2-Dichloroethene	2.79	96	60624	24.759	ug/L 95
19) 1,1-Dichloroethane	3.23	63	108966	24.401	ug/L 98
21) 2-Butanone	4.02	43	44051	50.975	ug/L 94
22) cis-1,2-Dichloroethene	3.96	96	69615	26.046	ug/L 93

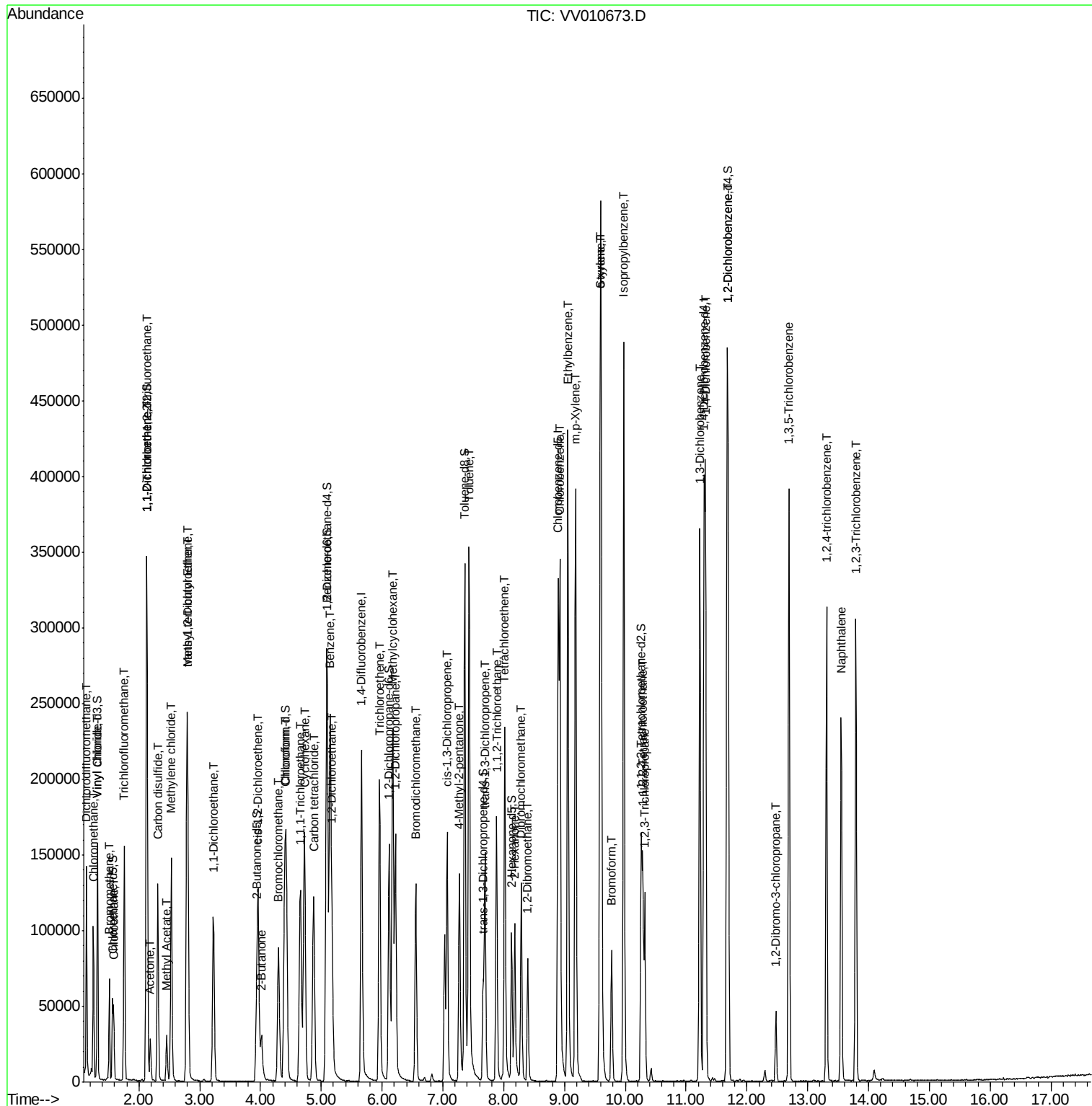
Data File : VV010673.D
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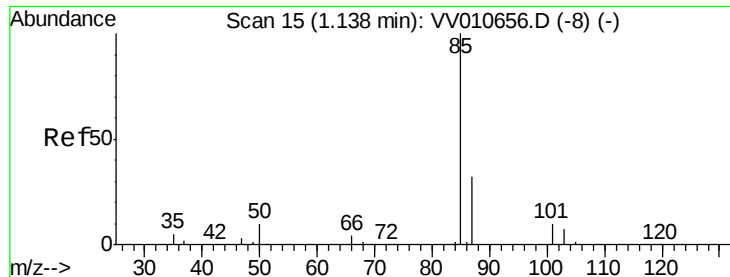
Quant Time: May 07 03:59:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis
QLast Update : Mon May 06 01:43:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	32328	25.583	ug/L	89
25) Chloroform	4.42	83	122007	24.649	ug/L	98
27) 1,2-Dichloroethane	5.18	62	77859	24.285	ug/L	95
30) Cyclohexane	4.72	56	92132	26.876	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	103643	27.221	ug/L	97
32) Carbon tetrachloride	4.87	117	93355	27.391	ug/L	98
34) Benzene	5.14	78	241644	25.935	ug/L	100
35) Trichloroethene	5.96	95	70145	26.394	ug/L	99
36) Methylcyclohexane	6.17	83	100804	26.547	ug/L	96
40) 1,2-Dichloropropane	6.22	63	62224	25.677	ug/L	99
41) Bromodichloromethane	6.55	83	86682	27.014	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	101013	28.497	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	91150	53.420	ug/L	94
44) Toluene	7.43	91	279257	27.157	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	82872	27.779	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	56097	27.722	ug/L	97
47) Tetrachloroethene	8.02	164	56352	27.202	ug/L	97
49) 2-Hexanone	8.18	43	65841	51.907	ug/L	95
50) Dibromochloromethane	8.29	129	67614	28.175	ug/L	99
51) 1,2-Dibromoethane	8.40	107	54000	27.666	ug/L	97
52) Chlorobenzene	8.93	112	190761	26.581	ug/L	99
53) Ethylbenzene	9.05	91	318333	27.372	ug/L	100
54) m,p-Xylene	9.18	106	120096	27.252	ug/L	100
55) o-xylene	9.59	106	119641	27.789	ug/L	100
56) Styrene	9.60	104	204368	27.969	ug/L	100
57) Isopropylbenzene	9.97	105	325448	28.806	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	68800	27.255	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	52278	27.528	ug/L	99
62) Bromoform	9.77	173	40211	28.399	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	155178	26.935	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	153988	25.596	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	148213	26.058	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11354	27.143	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	119270	26.964	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	94951	28.134	ug/L	99
69) Naphthalene	13.55	128	190345	29.497	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	89864	28.229	ug/L	96

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

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#2

Dichlorodifluoromethane

Concen: 24.392 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV010673.D

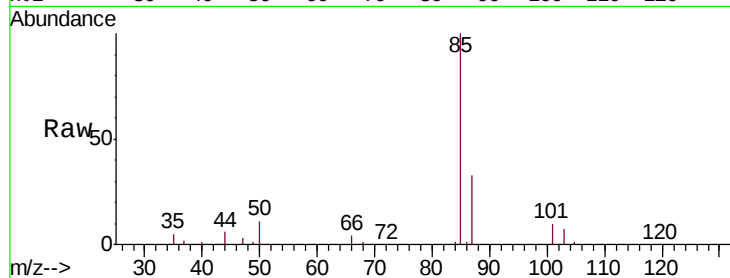
Acq: 06 May 2019 12:03

Tgt Ion: 85 Resp: 72371

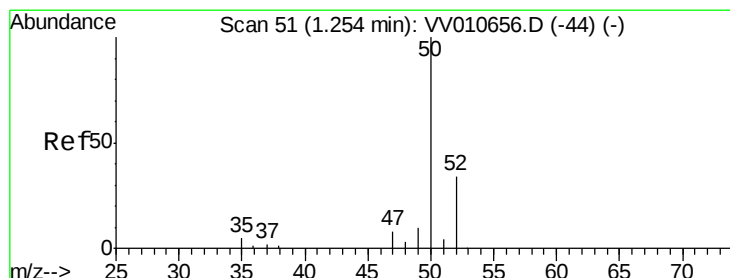
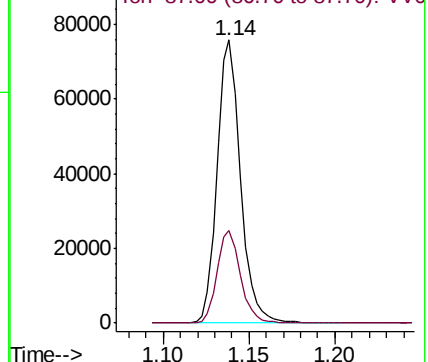
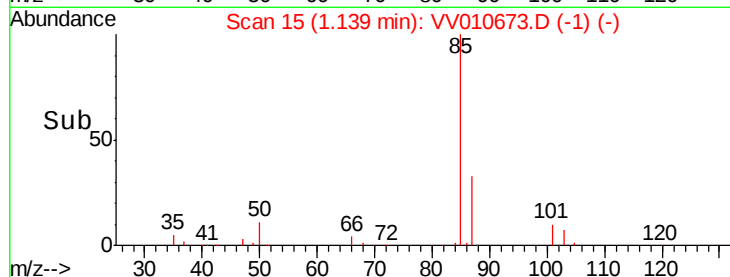
Ion Ratio Lower Upper

85 100

87 32.7 23.0 42.8



Abundance Ion 85.00 (84.70 to 85.70): VV010673.D (-1) (-)



#3

Chloromethane

Concen: 20.982 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV010673.D

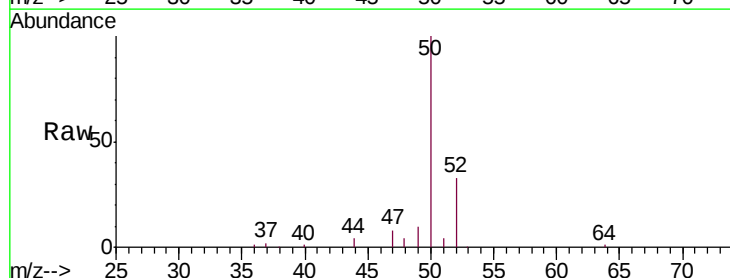
Acq: 06 May 2019 12:03

Tgt Ion: 50 Resp: 57248

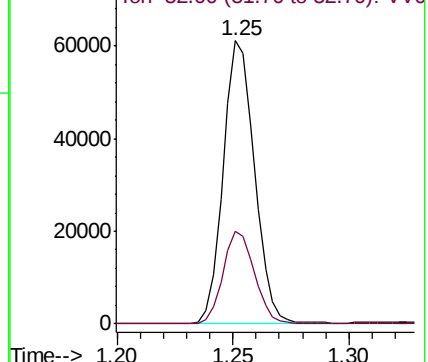
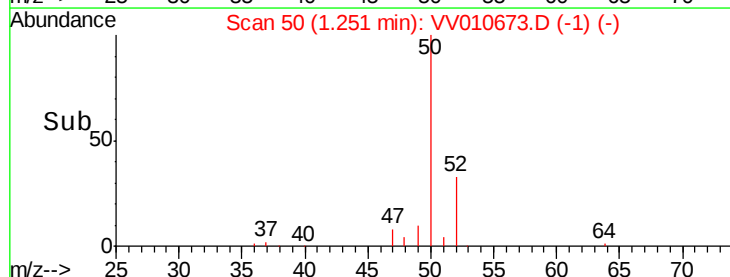
Ion Ratio Lower Upper

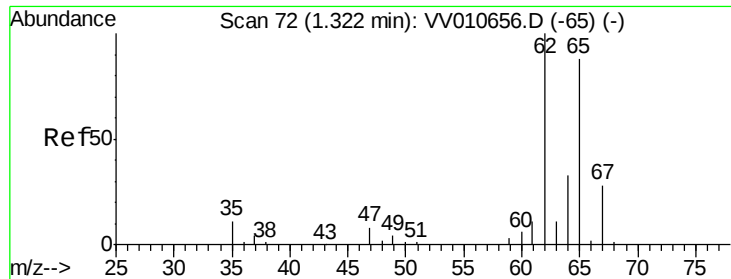
50 100

52 32.7 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VV010673.D (-1) (-)





#5

Vinyl chloride

Concen: 19.871 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010673.D

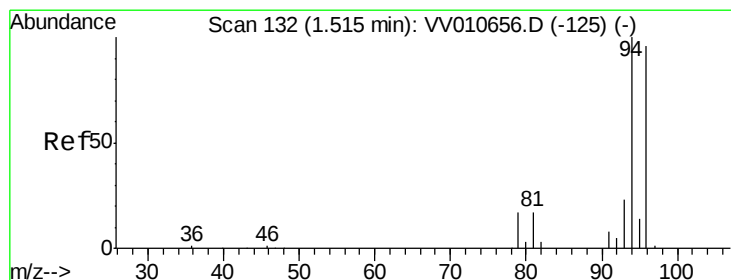
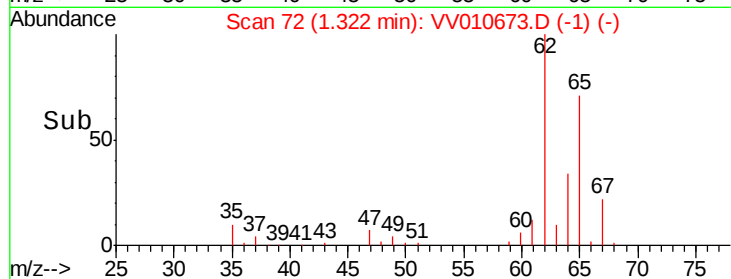
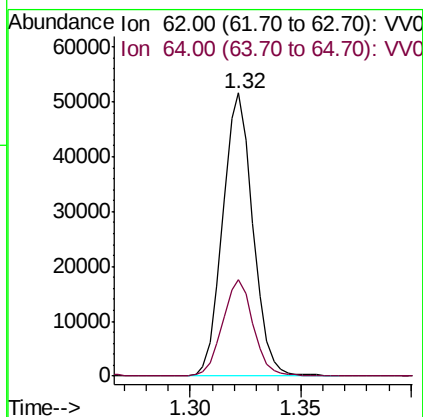
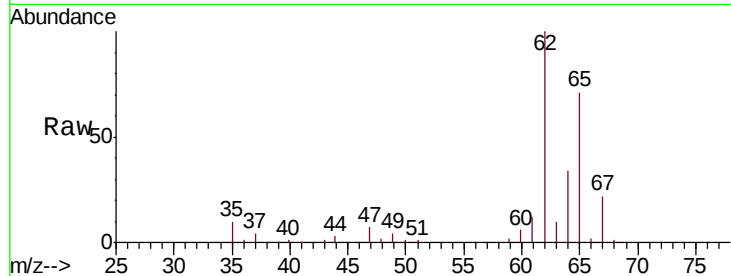
Acq: 06 May 2019 12:03

Tgt Ion: 62 Resp: 48890

Ion Ratio Lower Upper

62 100

64 34.3 23.4 43.6



#6

Bromomethane

Concen: 18.782 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV010673.D

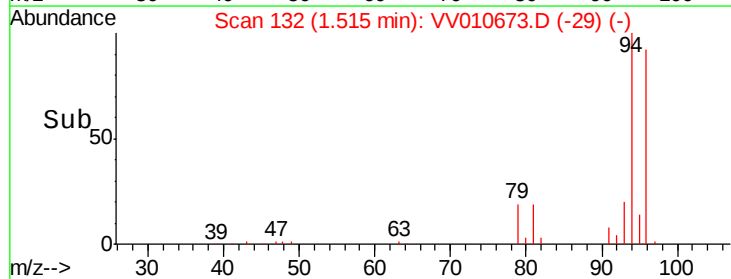
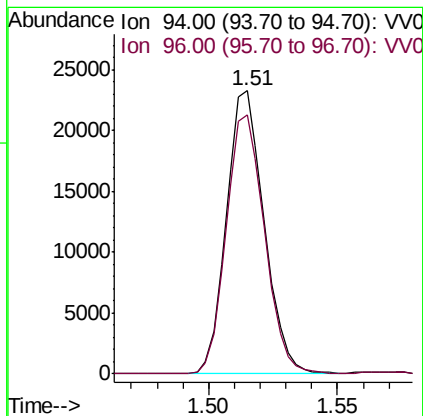
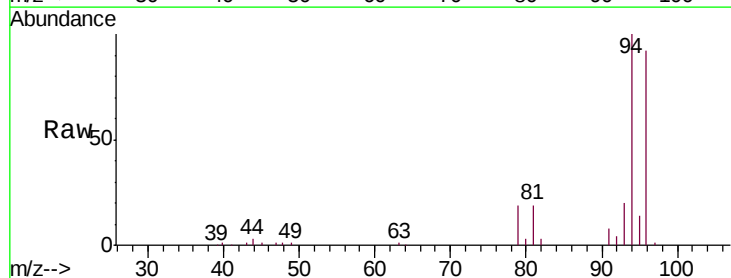
Acq: 06 May 2019 12:03

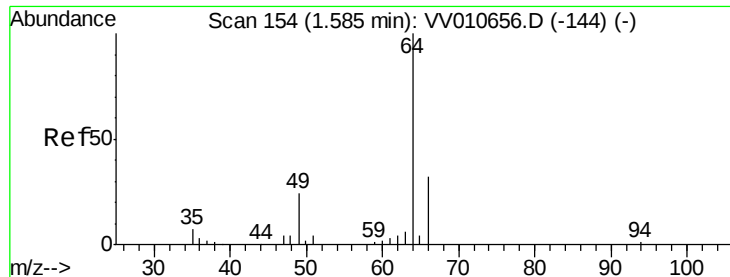
Tgt Ion: 94 Resp: 23662

Ion Ratio Lower Upper

94 100

96 92.6 9.4 178.6





#8

Chloroethane

Concen: 20.326 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV010673.D

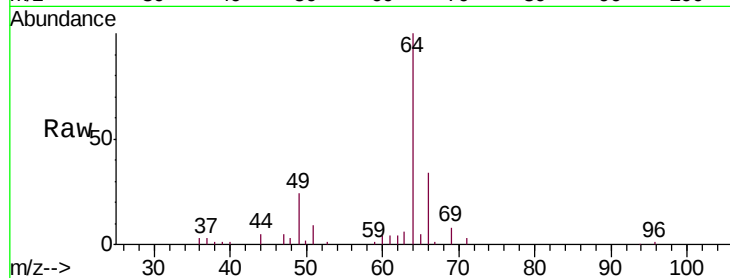
Acq: 06 May 2019 12:03

Tgt Ion: 64 Resp: 26389

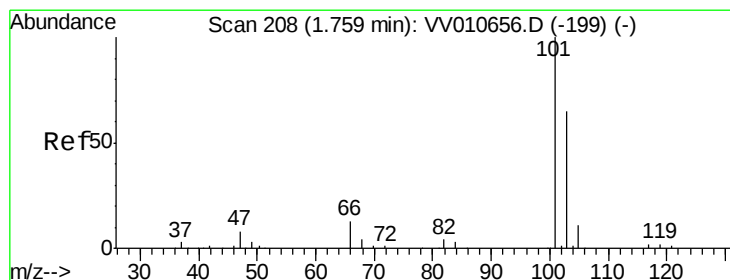
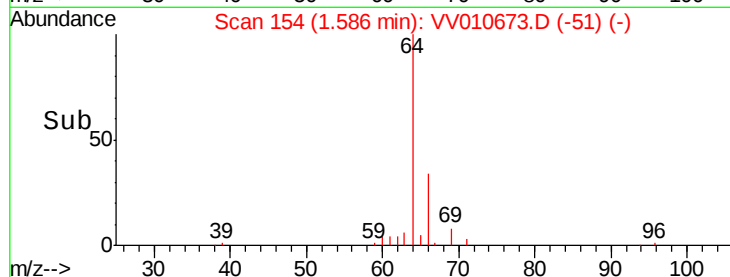
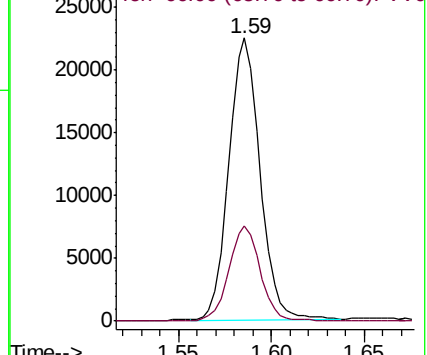
Ion Ratio Lower Upper

64 100

66 33.7 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV010656.D (-144) (-)



#9

Trichlorofluoromethane

Concen: 21.016 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV010673.D

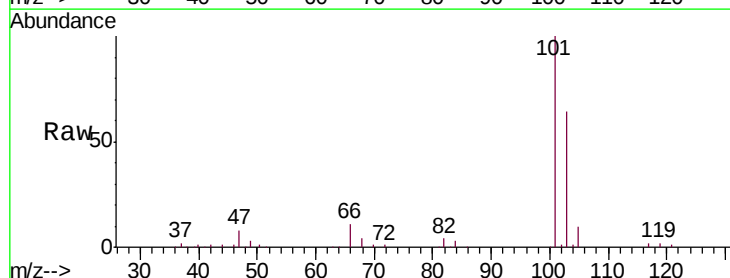
Acq: 06 May 2019 12:03

Tgt Ion: 101 Resp: 91532

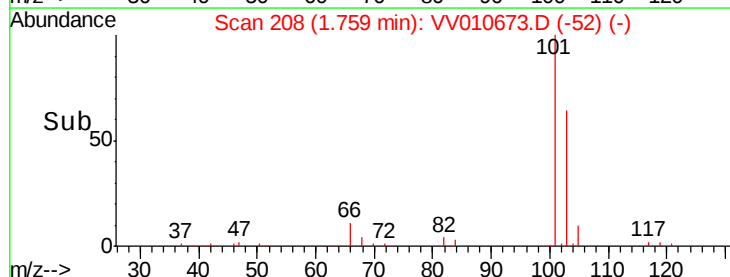
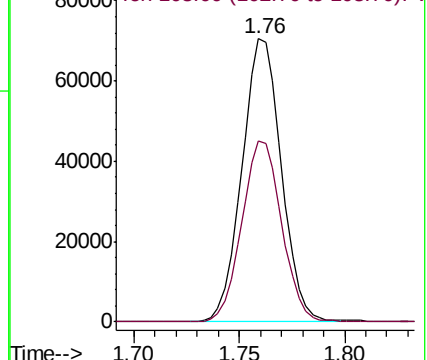
Ion Ratio Lower Upper

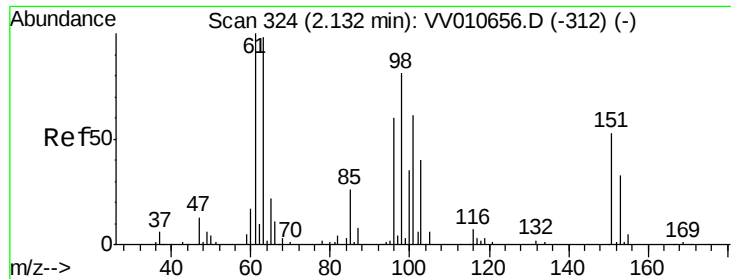
101 100

103 64.8 45.1 83.9



Abundance Ion 101.00 (100.70 to 101.70): VV010656.D (-199) (-)





#11

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

Concen: 20.953 ug/L

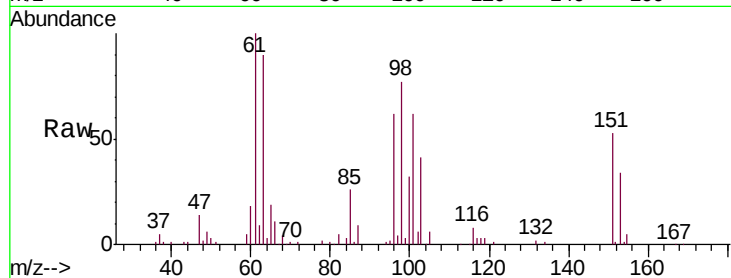
RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV010673.D

Acq: 06 May 2019 12:03

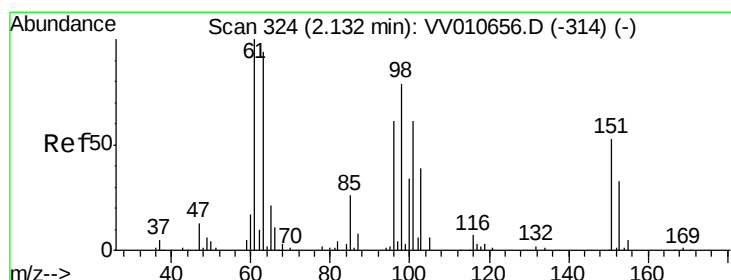
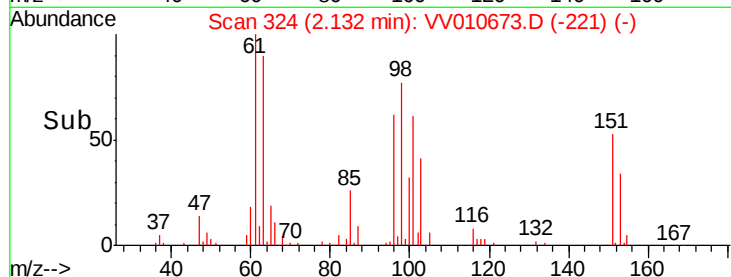
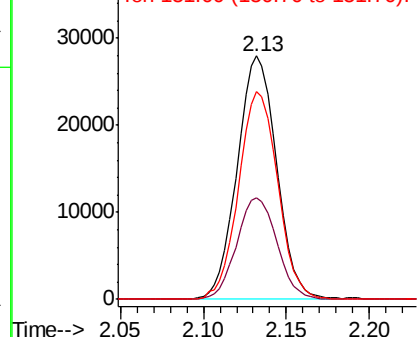
Tgt Ion:	101	Resp:	46207
Ion	Ratio	Lower	Upper
101	100		
85	42.6	34.6	51.8
151	84.9	68.6	103.0



Abundance Ion 101.00 (100.70 to 101.70): VV010656.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV010656.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV010656.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 20.638 ug/L

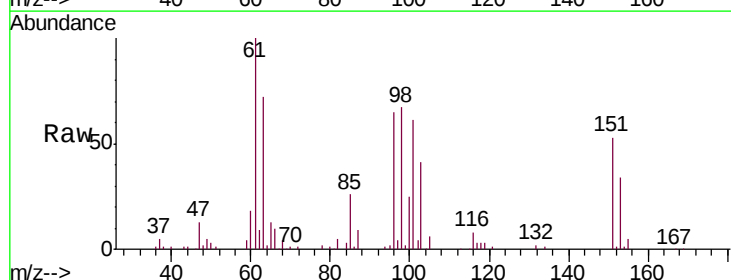
RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010673.D

Acq: 06 May 2019 12:03

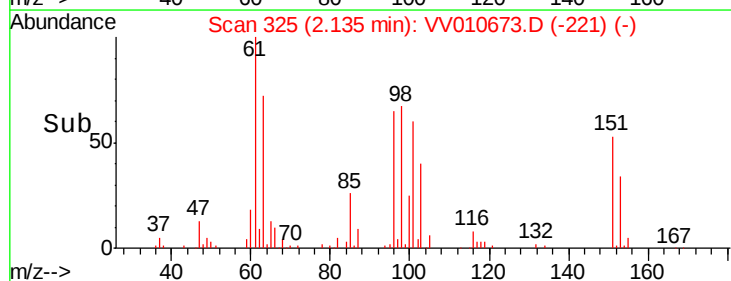
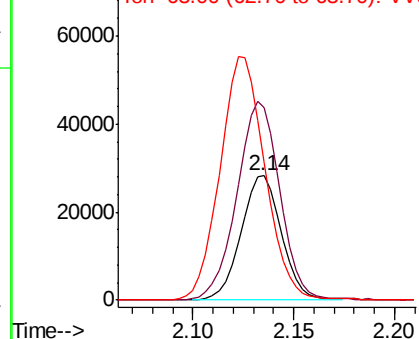
Tgt Ion:	96	Resp:	39791
Ion	Ratio	Lower	Upper
96	100		
61	154.4	111.1	206.3
63	110.5	95.2	176.8

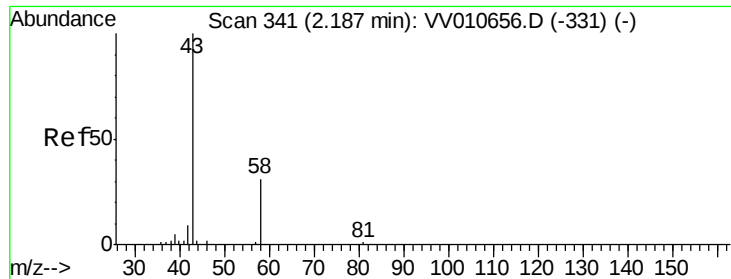


Abundance Ion 96.00 (95.70 to 96.70): VV010673.D (-221) (-)

Ion 61.00 (60.70 to 61.70): VV010673.D (-221) (-)

Ion 63.00 (62.70 to 63.70): VV010673.D (-221) (-)





#13

Acetone

Concen: 35.798 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV010673.D

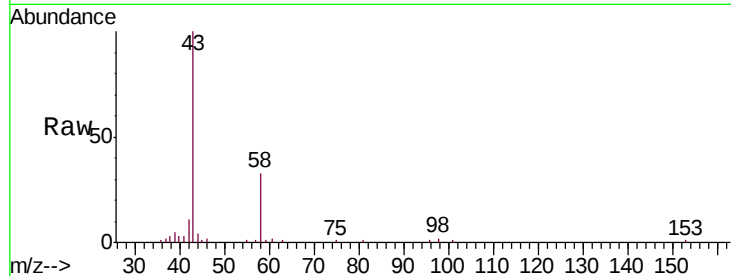
Acq: 06 May 2019 12:03

Tgt Ion: 43 Resp: 23724

Ion Ratio Lower Upper

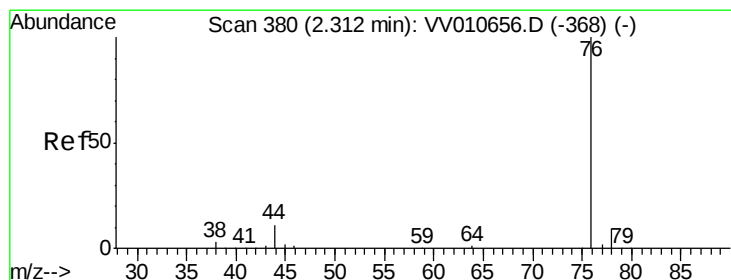
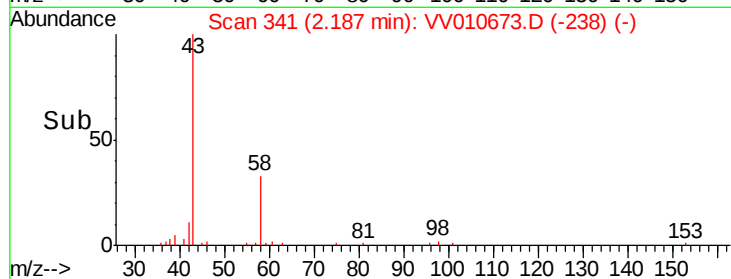
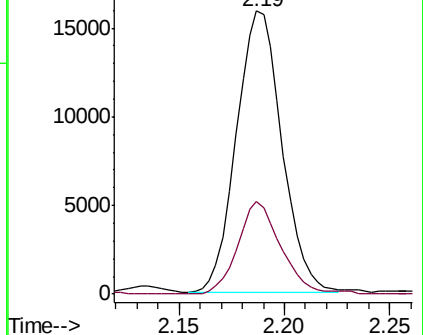
43 100

58 30.8 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VV010656.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010656.D (-331) (-)



#14

Carbon disulfide

Concen: 22.477 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV010673.D

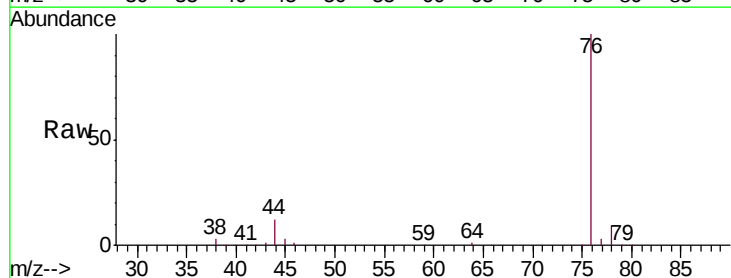
Acq: 06 May 2019 12:03

Tgt Ion: 76 Resp: 143489

Ion Ratio Lower Upper

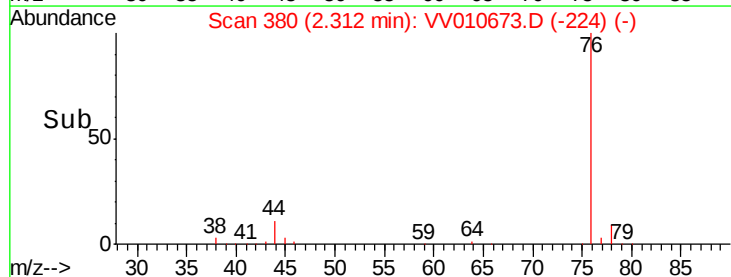
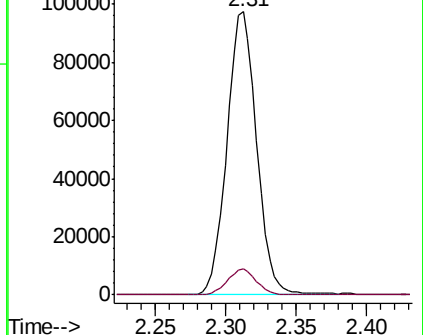
76 100

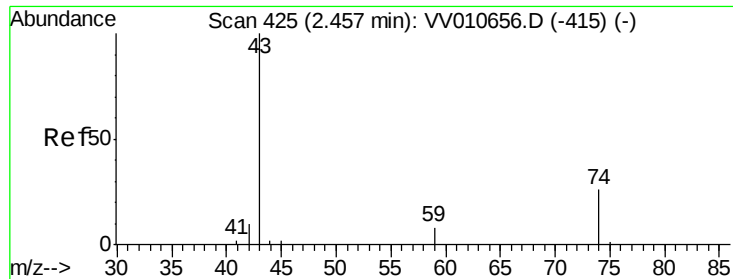
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV010656.D (-368) (-)

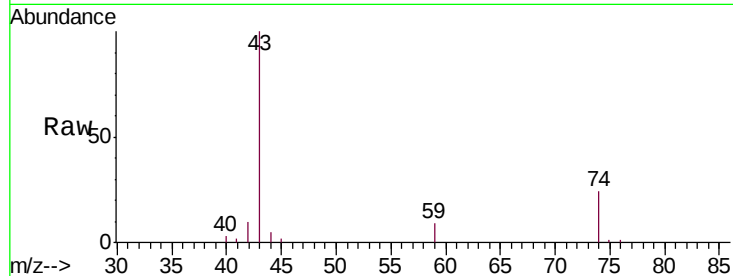
Ion 78.00 (77.70 to 78.70): VV010656.D (-368) (-)



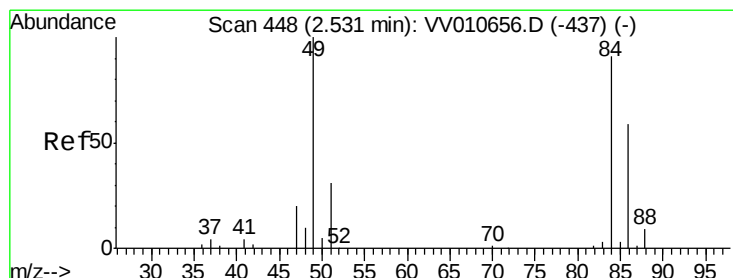
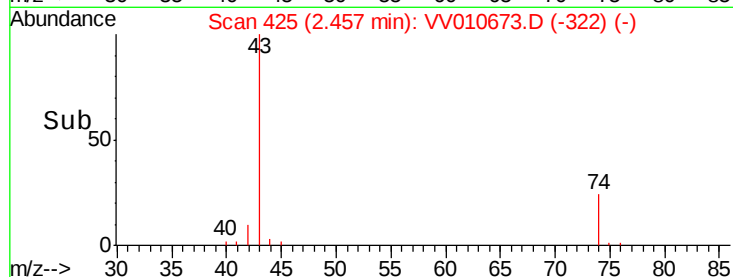
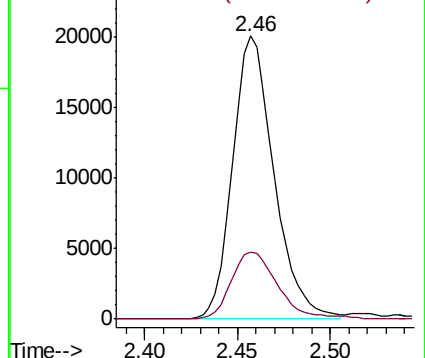


#15
Methyl Acetate
Concen: 24.095 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV010673.D
Acq: 06 May 2019 12:03

Tgt Ion: 43 Resp: 31215
Ion Ratio Lower Upper
43 100
74 26.3 20.0 30.0

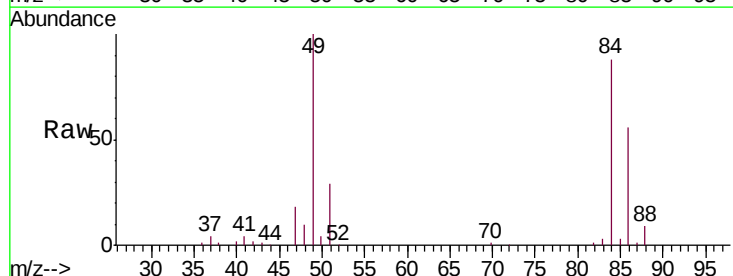


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 74.00 (73.70 to 74.70): VV0

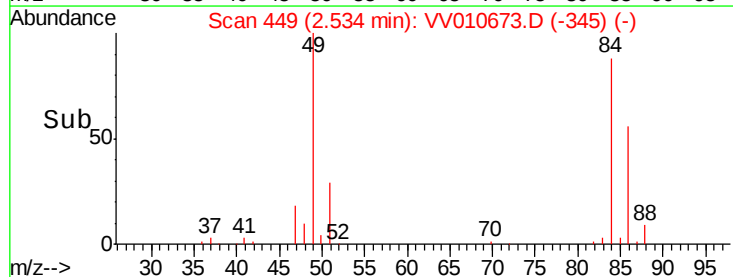
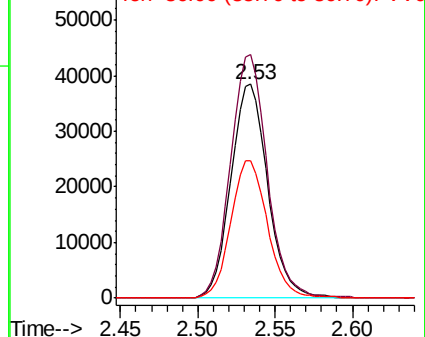


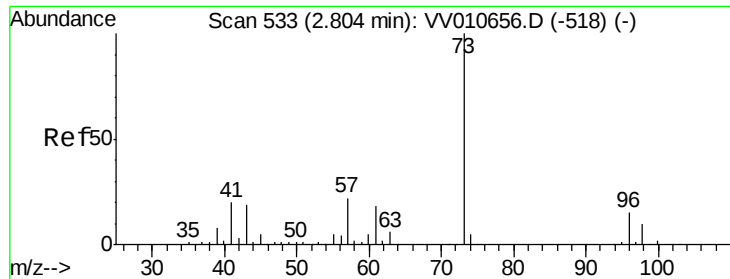
#16
Methylene chloride
Concen: 22.720 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV010673.D
Acq: 06 May 2019 12:03

Tgt Ion: 84 Resp: 63597
Ion Ratio Lower Upper
84 100
49 113.7 81.9 152.1
86 63.9 44.0 81.6



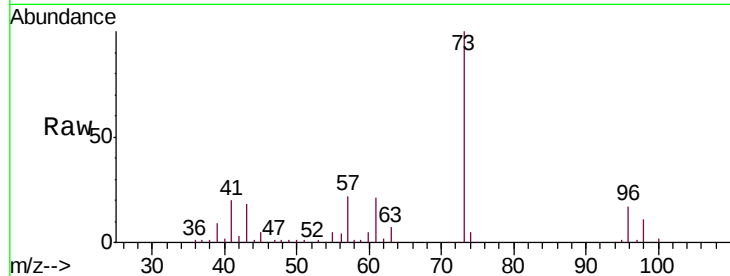
Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0



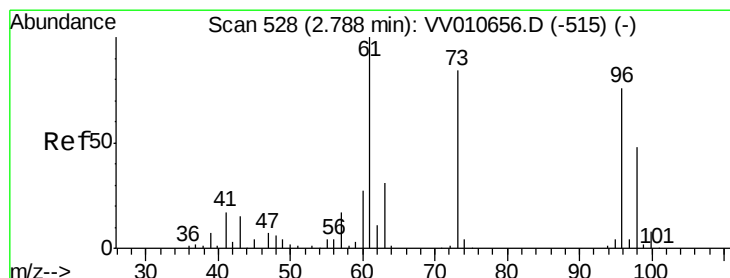
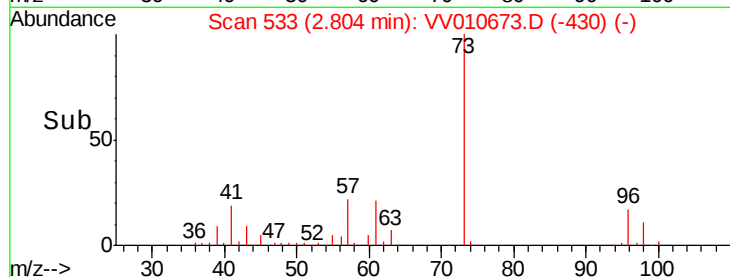
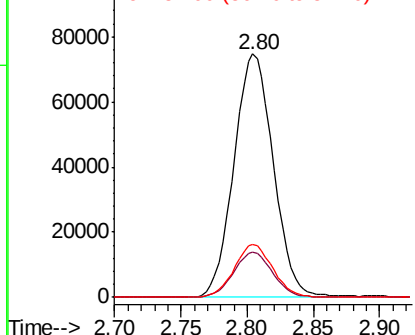


#17
Methyl tert-butyl Ether
Concen: 25.998 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV010673.D
Acq: 06 May 2019 12:03

Tgt Ion: 73 Resp: 154397
Ion Ratio Lower Upper
73 100
43 18.4 15.9 23.9
57 21.3 17.9 26.9

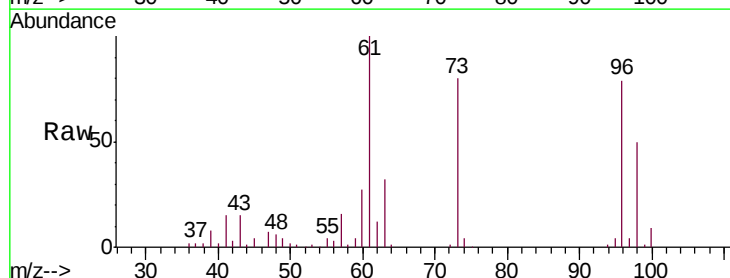


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

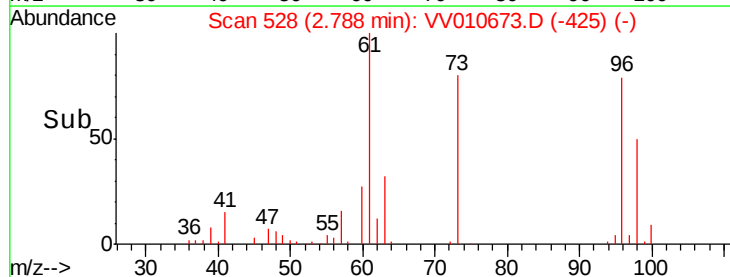
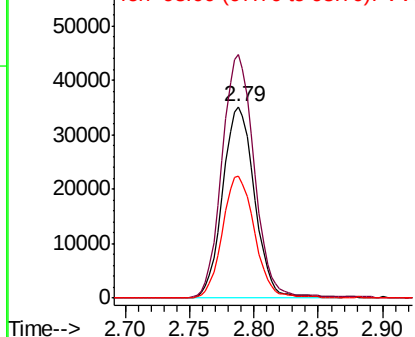


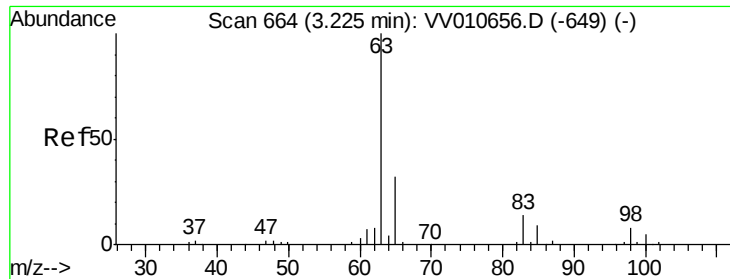
#18
trans-1,2-Dichloroethene
Concen: 24.759 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV010673.D
Acq: 06 May 2019 12:03

Tgt Ion: 96 Resp: 60624
Ion Ratio Lower Upper
96 100
61 127.4 94.6 175.8
98 64.1 45.2 84.0



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: 24.401 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV010673.D

Acq: 06 May 2019 12:03

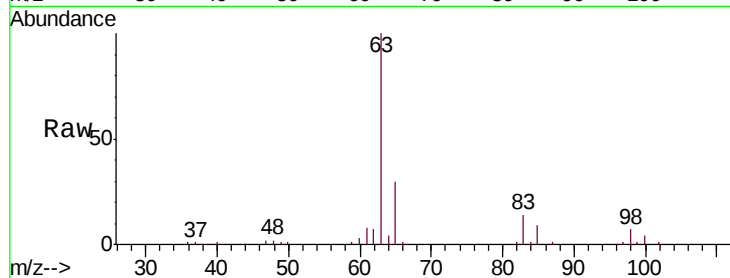
Tgt Ion: 63 Resp: 108966

Ion Ratio Lower Upper

63 100

65 30.1 22.0 40.8

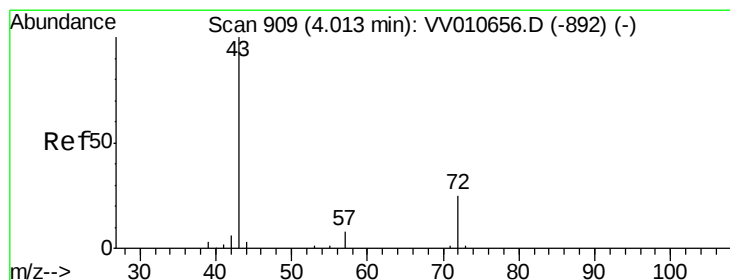
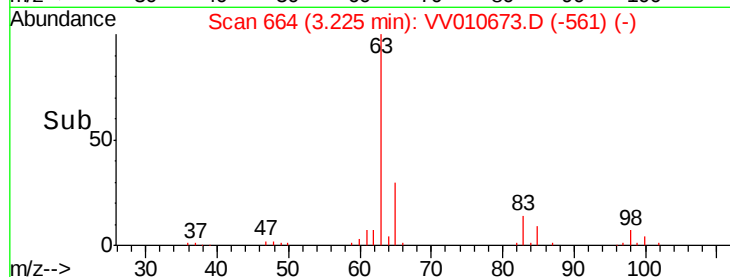
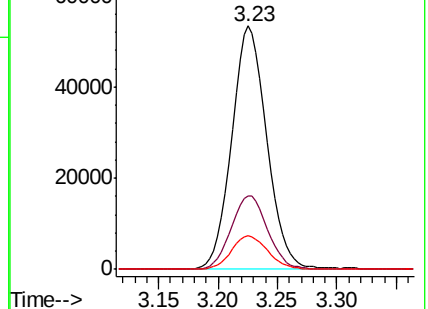
83 14.0 10.0 18.6



Abundance Ion 63.00 (62.70 to 63.70): VV010656.D (-649) (-)

Ion 65.00 (64.70 to 65.70): VV010656.D (-649) (-)

Ion 83.00 (82.70 to 83.70): VV010656.D (-649) (-)



#21

2-Butanone

Concen: 50.975 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.00 min

Lab File: VV010673.D

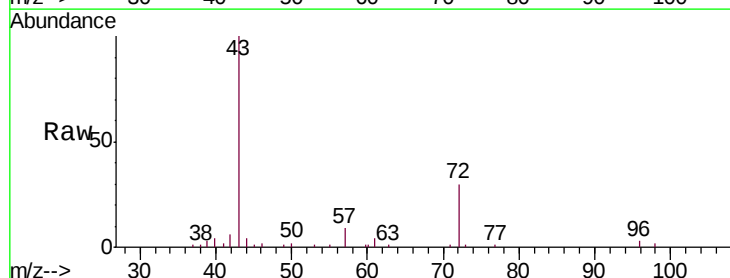
Acq: 06 May 2019 12:03

Tgt Ion: 43 Resp: 44051

Ion Ratio Lower Upper

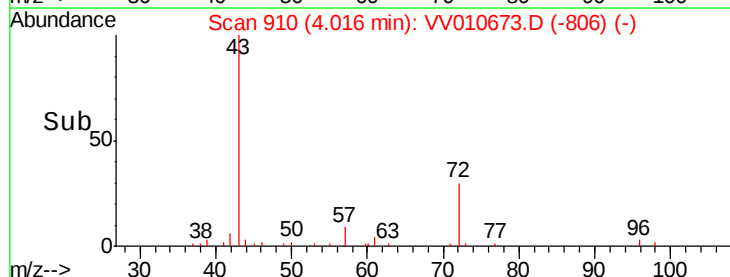
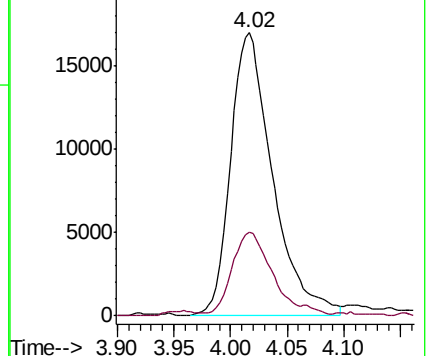
43 100

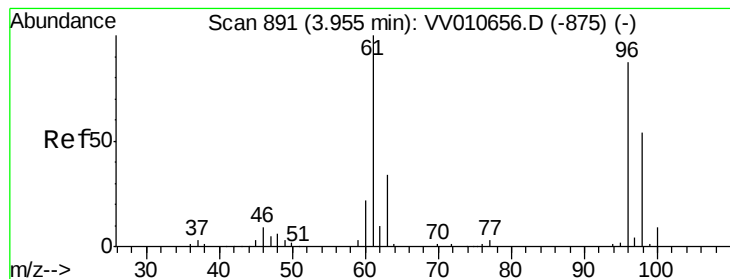
72 25.2 14.2 42.6



Abundance Ion 43.00 (42.70 to 43.70): VV010656.D (-892) (-)

Ion 72.00 (71.70 to 72.70): VV010656.D (-892) (-)





#22

cis-1,2-Dichloroethene

Concen: 26.046 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV010673.D

Acq: 06 May 2019 12:03

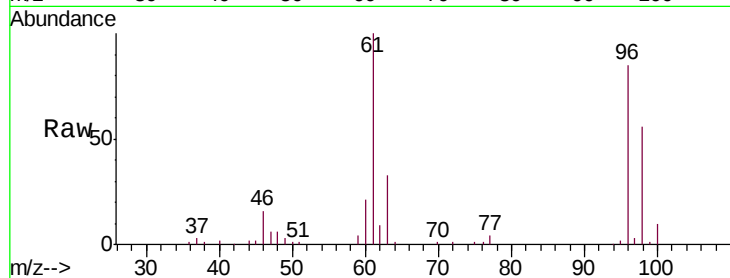
Tgt Ion: 96 Resp: 69615

Ion Ratio Lower Upper

96 100

61 117.7 89.6 166.4

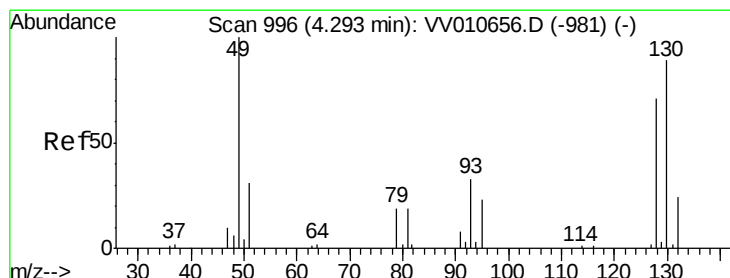
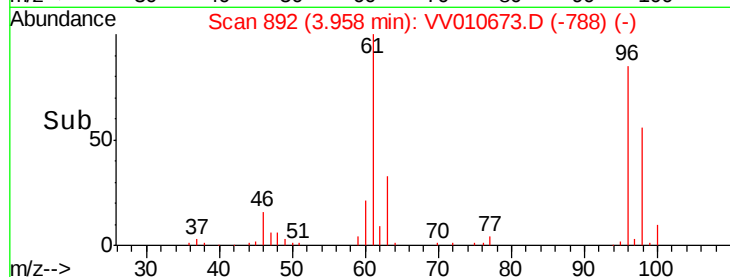
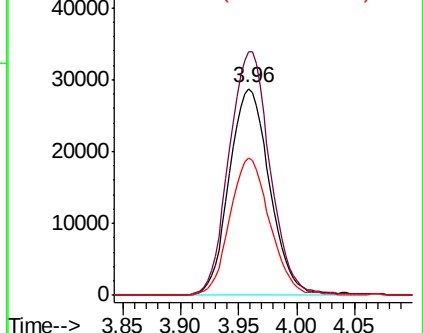
98 66.4 44.5 82.7



Abundance Ion 96.00 (95.70 to 96.70): VV010656.D (-875) (-)

Ion 61.00 (60.70 to 61.70): VV010656.D (-875) (-)

Ion 98.00 (97.70 to 98.70): VV010656.D (-875) (-)



#23

Bromochloromethane

Concen: 25.583 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV010673.D

Acq: 06 May 2019 12:03

Tgt Ion: 128 Resp: 32328

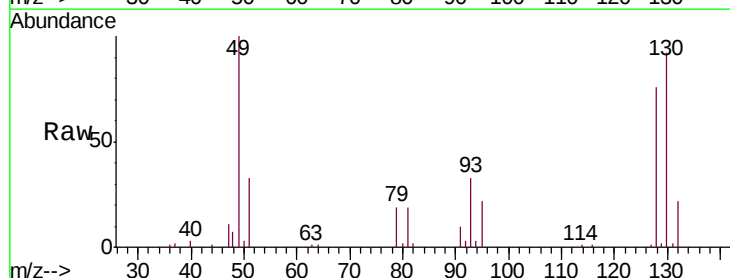
Ion Ratio Lower Upper

128 100

49 131.6 108.0 200.6

130 121.7 89.7 166.7

51 43.0 37.3 55.9

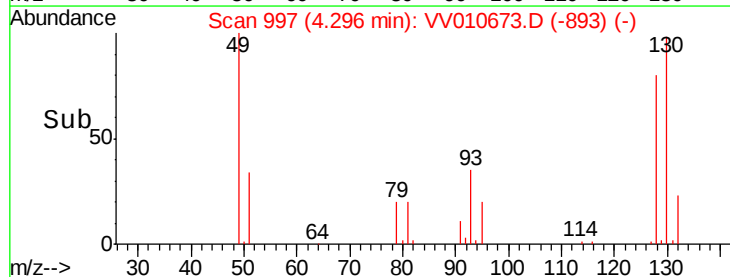
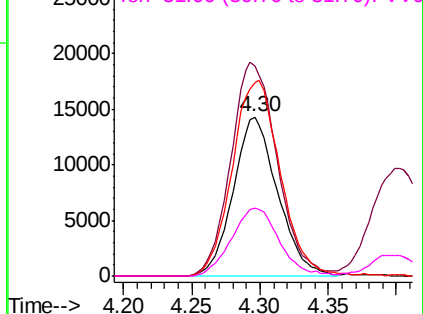


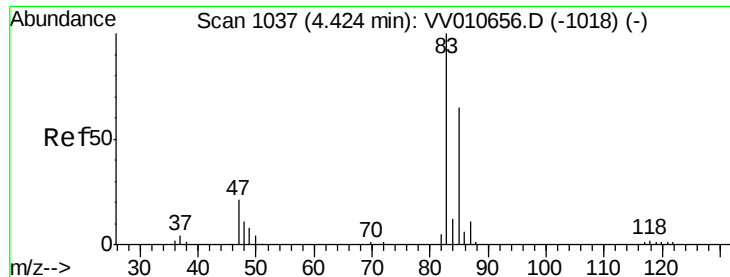
Abundance Ion 128.00 (127.70 to 128.70): VV010656.D (-981) (-)

Ion 49.00 (48.70 to 49.70): VV010656.D (-981) (-)

Ion 130.00 (129.70 to 130.70): VV010656.D (-981) (-)

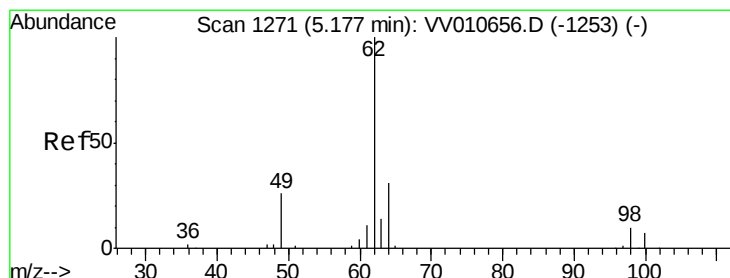
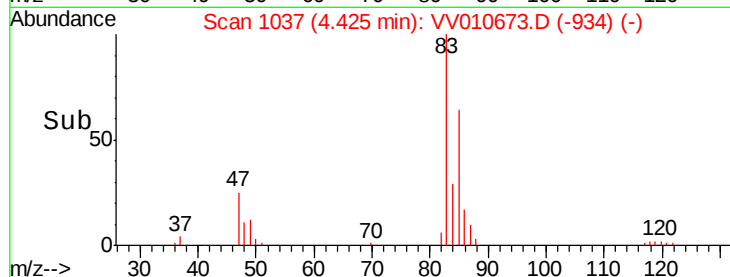
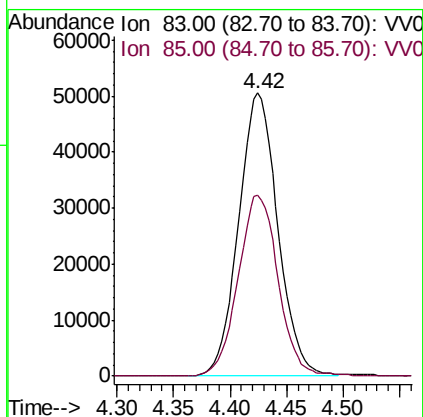
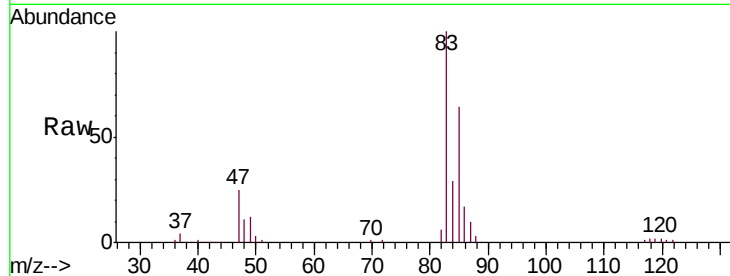
Ion 51.00 (50.70 to 51.70): VV010656.D (-981) (-)





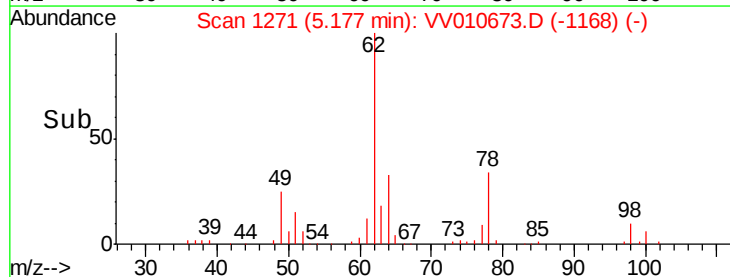
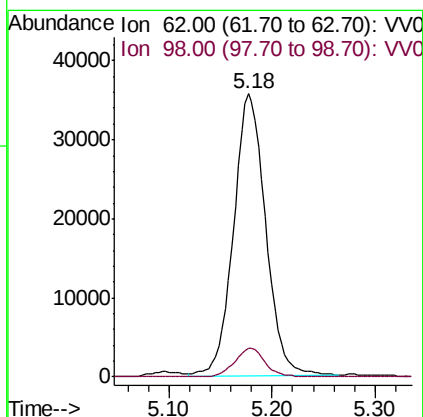
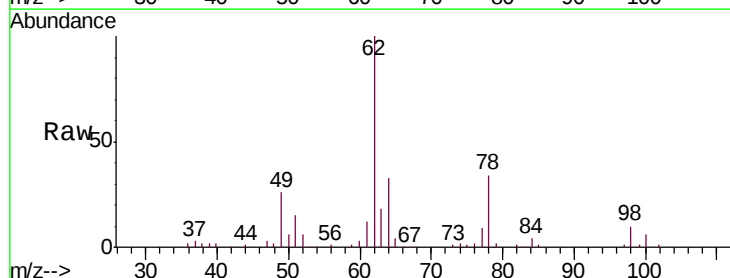
#25
Chloroform
Concen: 24.649 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV010673.D
Acq: 06 May 2019 12:03

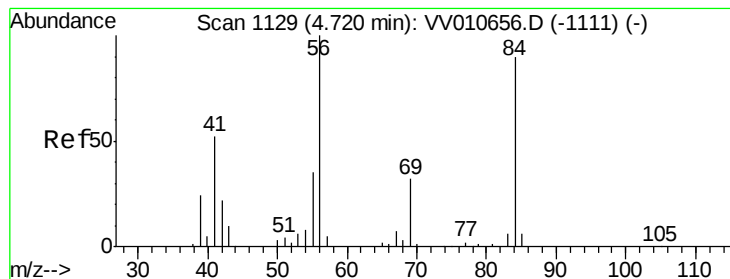
Tgt Ion: 83 Resp: 122007
Ion Ratio Lower Upper
83 100
85 64.9 46.3 86.1



#27
1,2-Dichloroethane
Concen: 24.285 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV010673.D
Acq: 06 May 2019 12:03

Tgt Ion: 62 Resp: 77859
Ion Ratio Lower Upper
62 100
98 9.9 6.6 10.0





#30

Cyclohexane

Concen: 26.876 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV010673.D

Acq: 06 May 2019 12:03

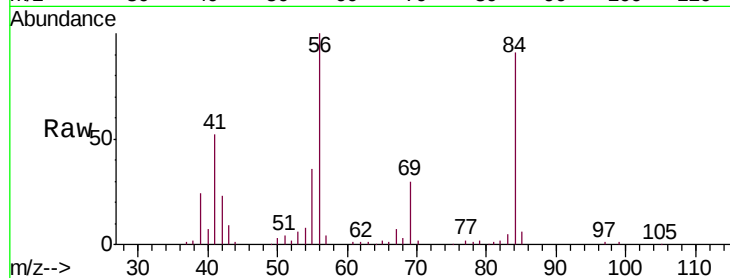
Tgt Ion: 56 Resp: 92132

Ion Ratio Lower Upper

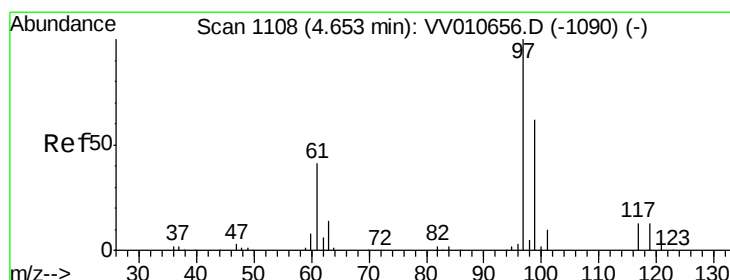
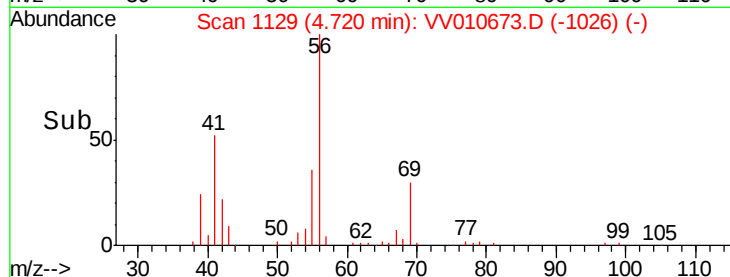
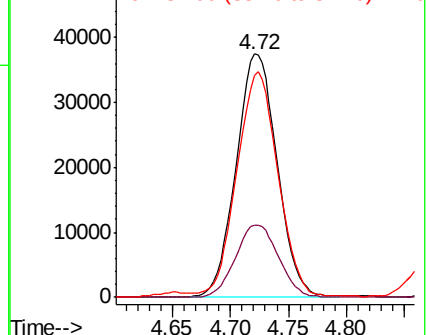
56 100

69 31.2 25.0 37.6

84 92.9 71.6 107.4



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: 27.221 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV010673.D

Acq: 06 May 2019 12:03

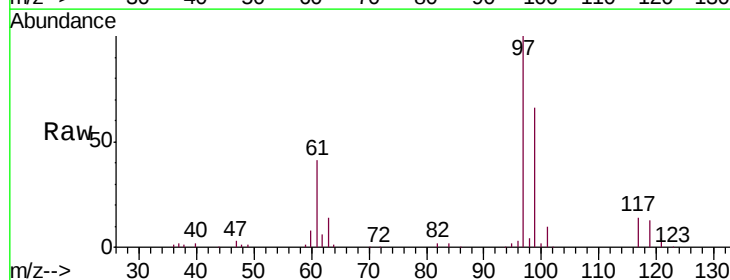
Tgt Ion: 97 Resp: 103643

Ion Ratio Lower Upper

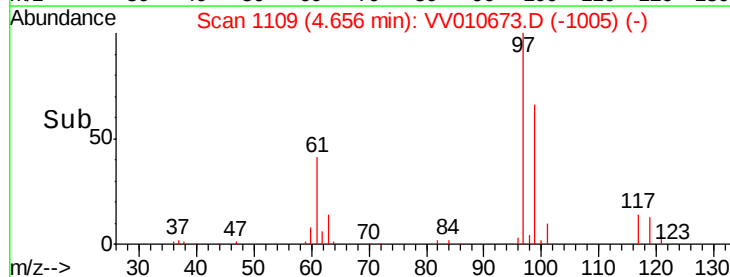
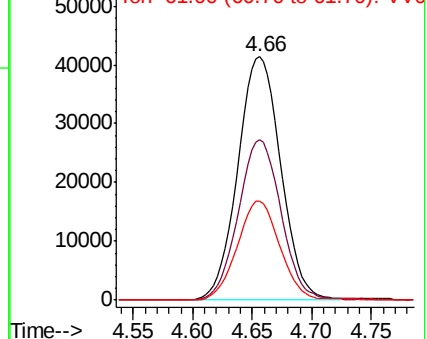
97 100

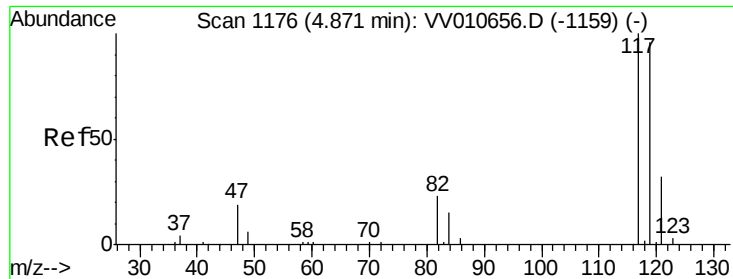
99 65.4 50.3 75.5

61 40.3 34.1 51.1



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: 27.391 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV010673.D

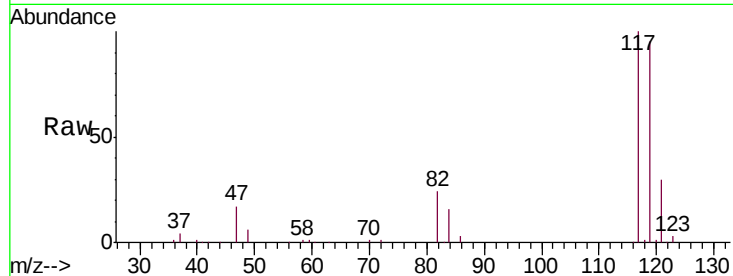
Acq: 06 May 2019 12:03

Tgt Ion:117 Resp: 93355

Ion Ratio Lower Upper

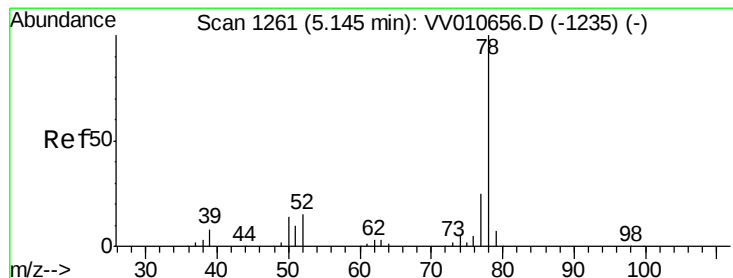
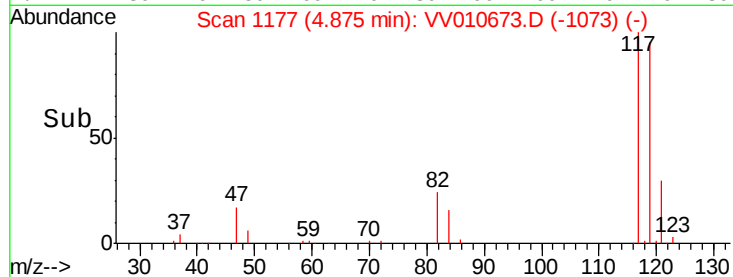
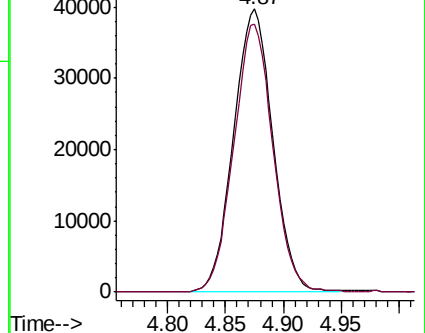
117 100

119 94.2 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.935 ug/L

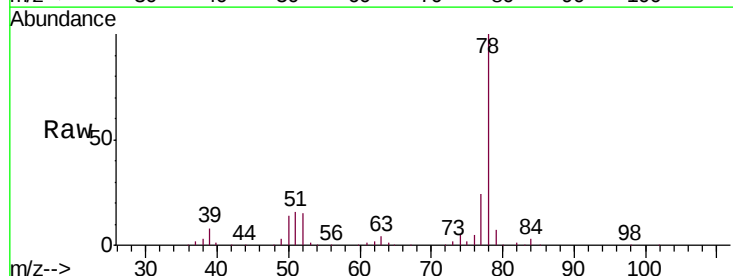
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

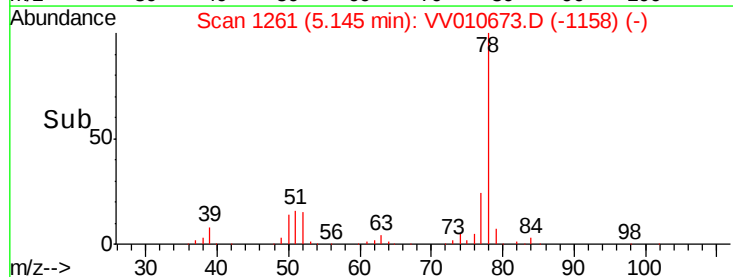
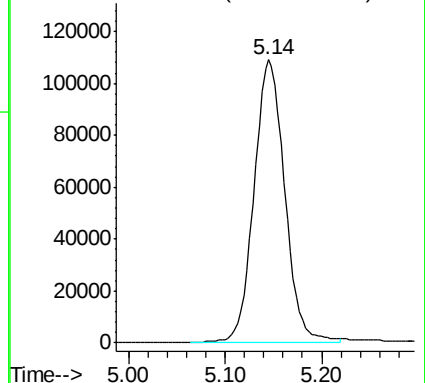
Lab File: VV010673.D

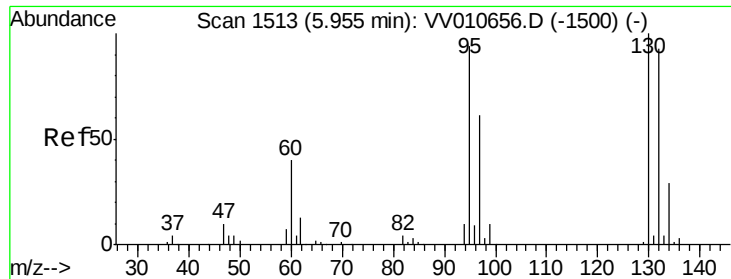
Acq: 06 May 2019 12:03

Tgt Ion: 78 Resp: 241644



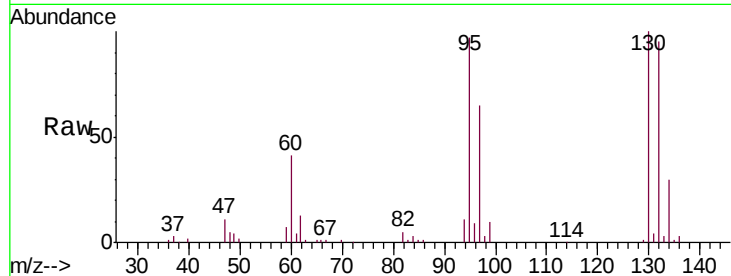
Abundance Ion 78.00 (77.70 to 78.70): VV0



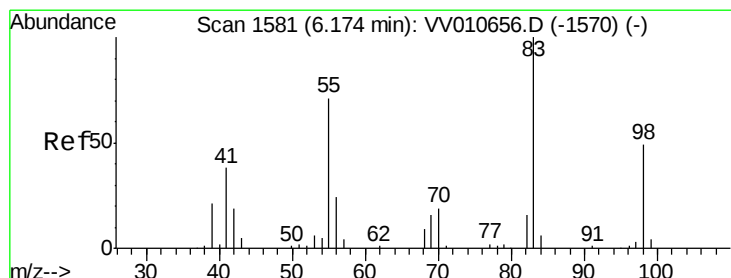
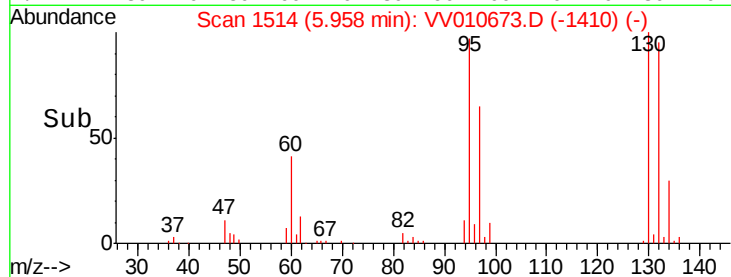
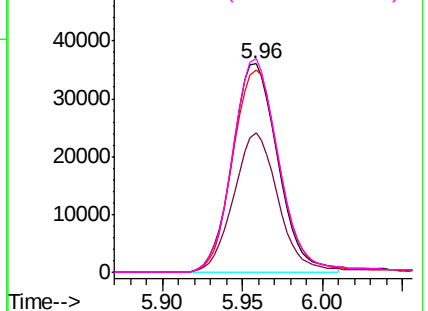


#35
 Trichloroethene
 Concen: 26.394 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV010673.D
 Acq: 06 May 2019 12:03

Tgt Ion:	95	Resp:	70145
Ion	Ratio	Lower	Upper
95	100		
97	65.4	45.0	83.6
132	99.8	69.9	129.9
130	103.4	71.3	132.3

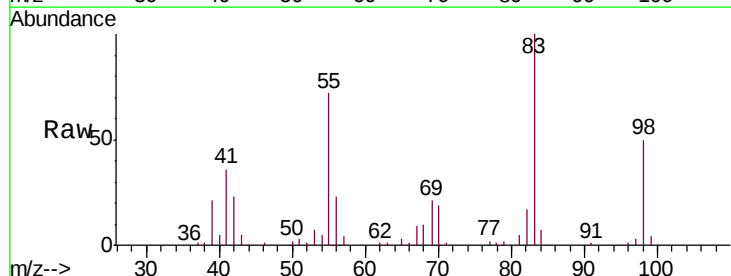


Abundance Ion 95.00 (94.70 to 95.70): VV010673.D (-1410) (-)
 Ion 97.00 (96.70 to 97.70): VV010673.D (-1410) (-)
 Ion 132.00 (131.70 to 132.70): VV010673.D (-1410) (-)
 Ion 130.00 (129.70 to 130.70): VV010673.D (-1410) (-)

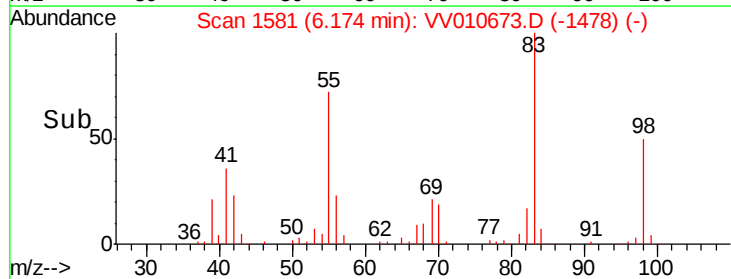
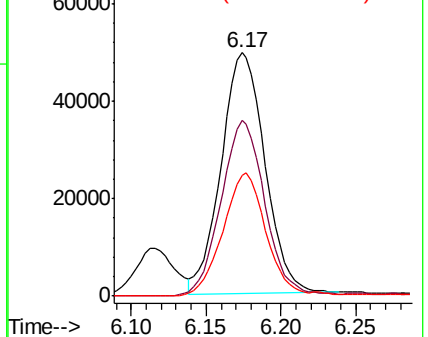


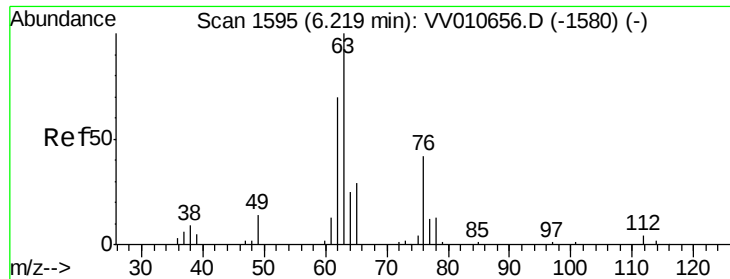
#36
 Methylcyclohexane
 Concen: 26.547 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV010673.D
 Acq: 06 May 2019 12:03

Tgt Ion:	83	Resp:	100804
Ion	Ratio	Lower	Upper
83	100		
55	73.1	61.4	92.0
98	49.3	37.4	56.2



Abundance Ion 83.00 (82.70 to 83.70): VV010673.D (-1478) (-)
 Ion 55.00 (54.70 to 55.70): VV010673.D (-1478) (-)
 Ion 98.00 (97.70 to 98.70): VV010673.D (-1478) (-)





#40

1,2-Dichloropropane

Concen: 25.677 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV010673.D

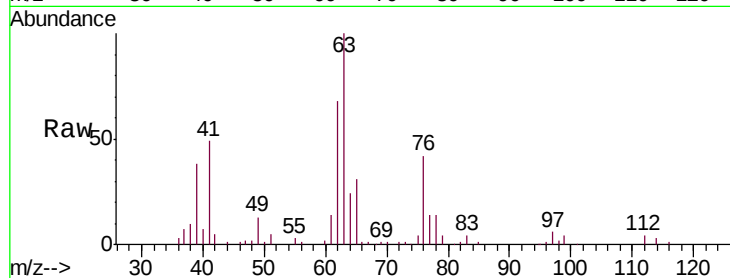
Acq: 06 May 2019 12:03

Tgt Ion: 63 Resp: 62224

Ion Ratio Lower Upper

63 100

112 4.4 3.4 5.0



Abundance Ion 63.00 (62.70 to 63.70): VV010656.D (-1580) (-)

Ion 112.00 (111.70 to 112.70): VV010656.D (-1580) (-)

6.22

30000

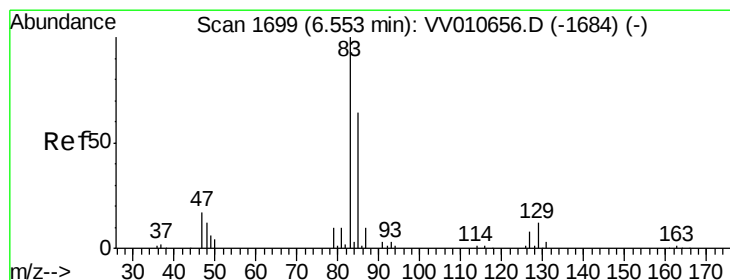
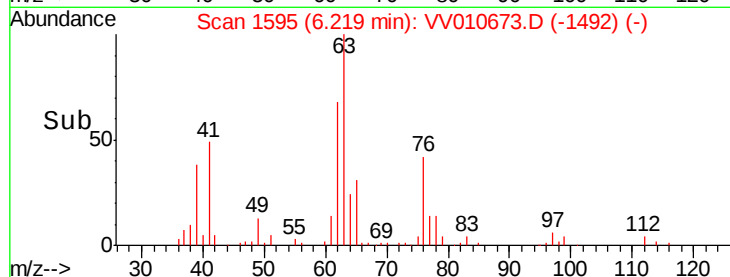
20000

10000

0

6.15 6.20 6.25 6.30

Time-->



#41

Bromodichloromethane

Concen: 27.014 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV010673.D

Acq: 06 May 2019 12:03

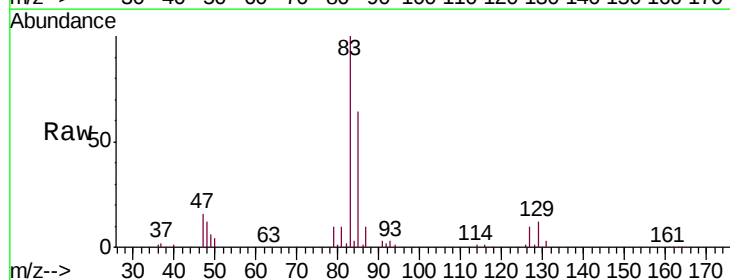
Tgt Ion: 83 Resp: 86682

Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.9

127 9.8 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VV010656.D (-1684) (-)

Ion 85.00 (84.70 to 85.70): VV010656.D (-1684) (-)

Ion 127.00 (126.70 to 127.70): VV010656.D (-1684) (-)

6.55

60000

50000

40000

30000

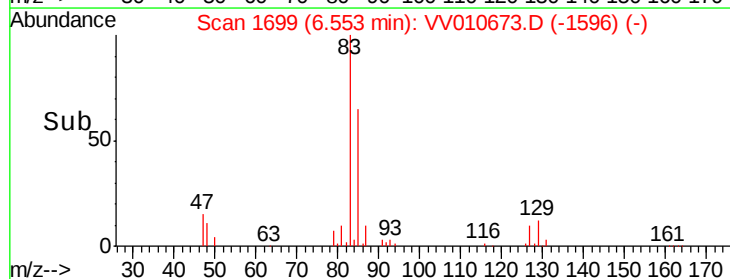
20000

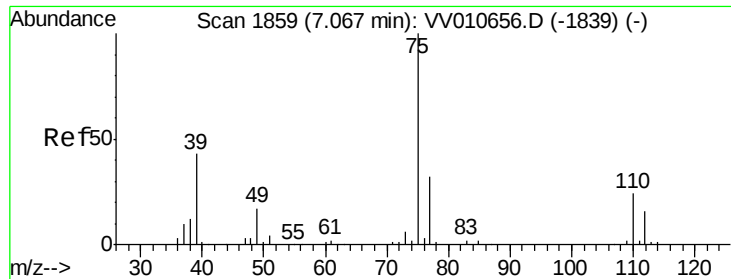
10000

0

6.45 6.50 6.55 6.60 6.65

Time-->





#42

cis-1,3-Dichloropropene

Concen: 28.497 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV010673.D

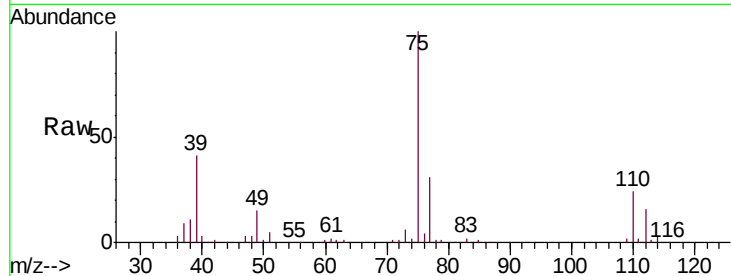
Acq: 06 May 2019 12:03

Tgt Ion: 75 Resp: 101013

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV010656.D (-1839) (-)

Ion 77.00 (76.70 to 77.70): VV010656.D (-1839) (-)

7.07

60000

50000

40000

30000

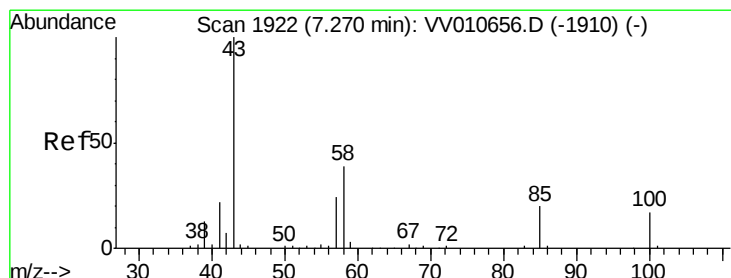
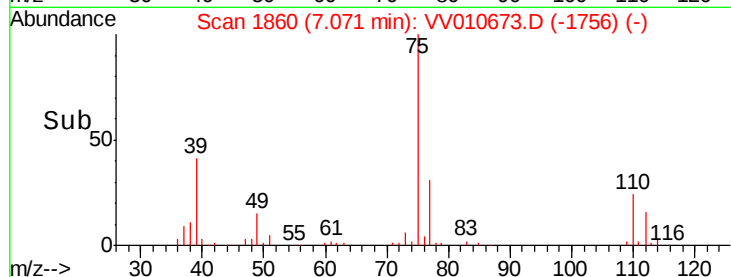
20000

10000

0

7.00 7.10 7.20

Time-->



#43

4-Methyl-2-pentanone

Concen: 53.420 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV010673.D

Acq: 06 May 2019 12:03

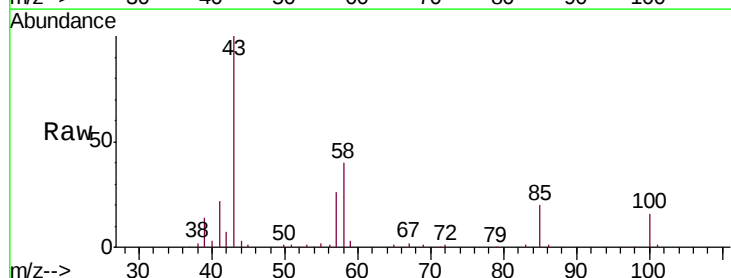
Tgt Ion: 43 Resp: 91150

Ion Ratio Lower Upper

43 100

58 40.3 29.6 44.4

100 16.3 11.2 16.8



Abundance Ion 43.00 (42.70 to 43.70): VV010656.D (-1910) (-)

Ion 58.00 (57.70 to 58.70): VV010656.D (-1910) (-)

Ion 100.00 (99.70 to 100.70): VV010656.D (-1910) (-)

7.27

120000

100000

80000

60000

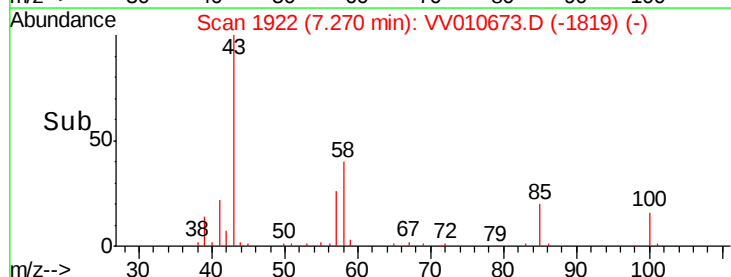
40000

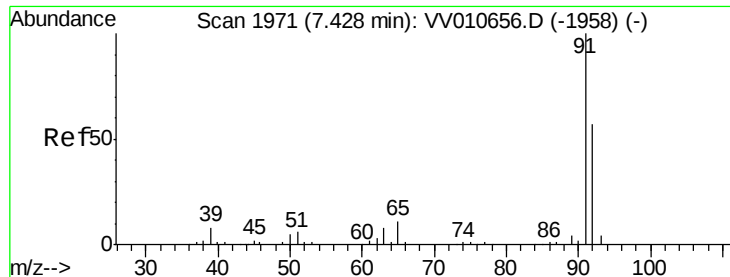
20000

0

7.20 7.25 7.30 7.35

Time-->





#44

Toluene

Concen: 27.157 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010673.D

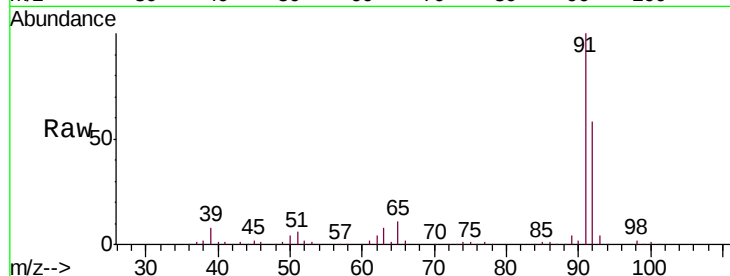
Acq: 06 May 2019 12:03

Tgt Ion: 91 Resp: 279257

Ion Ratio Lower Upper

91 100

92 58.1 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV010656.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010656.D (-1958) (-)

7.43

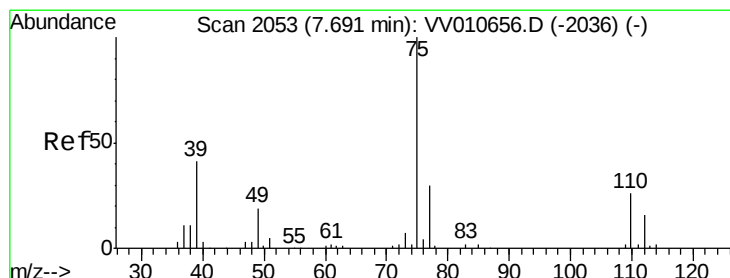
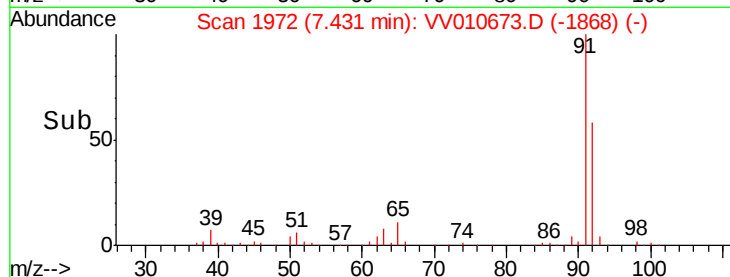
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 27.779 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV010673.D

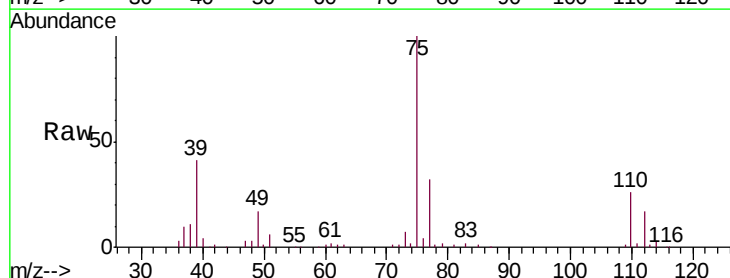
Acq: 06 May 2019 12:03

Tgt Ion: 75 Resp: 82872

Ion Ratio Lower Upper

75 100

77 32.4 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV010656.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV010656.D (-2036) (-)

7.69

50000

40000

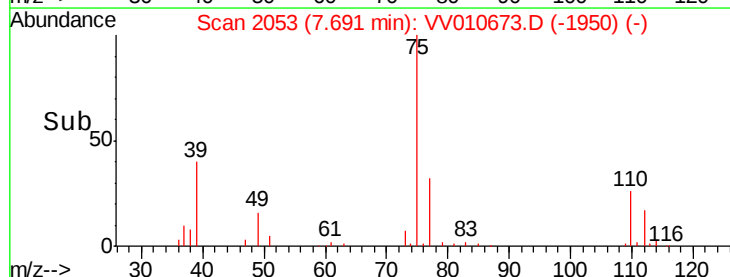
30000

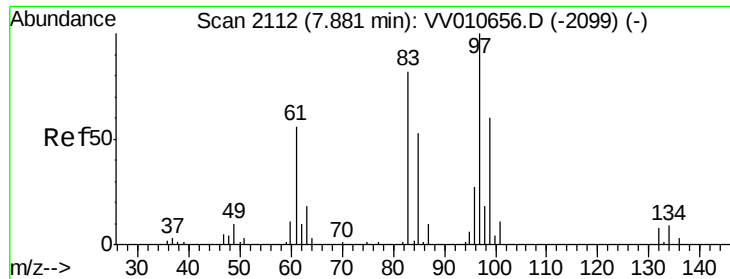
20000

10000

0

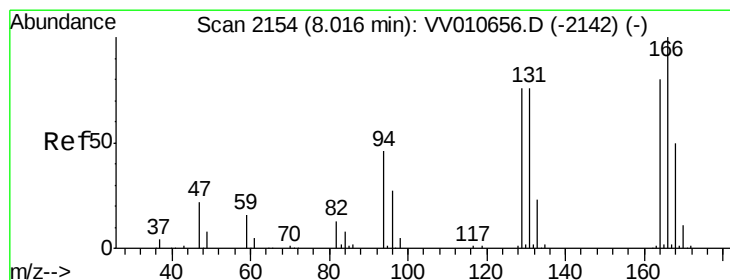
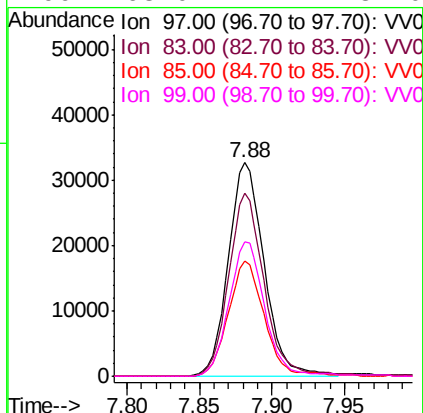
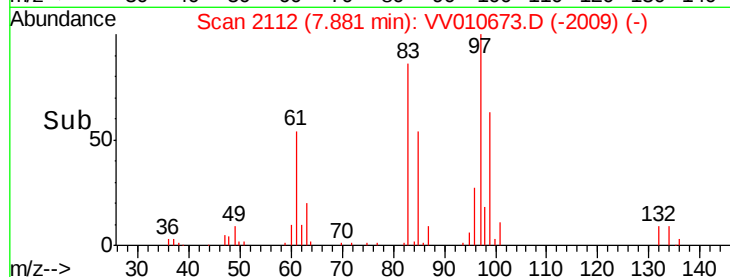
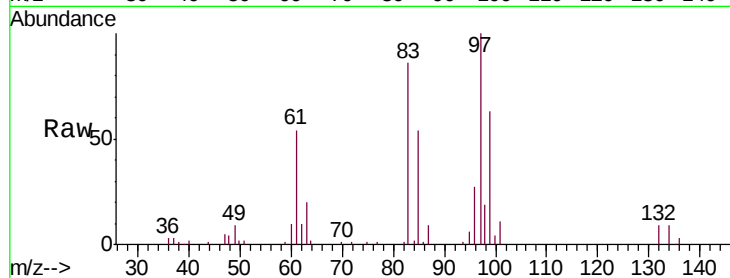
Time-->





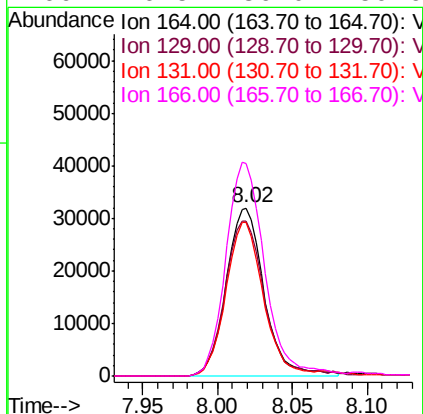
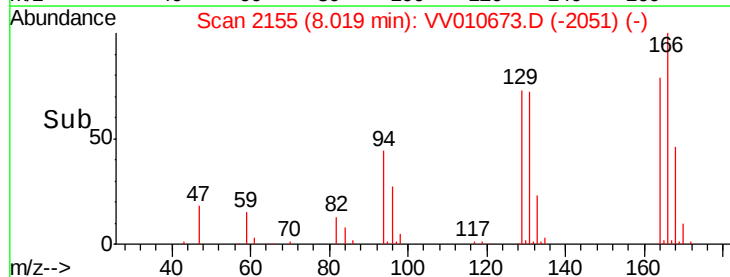
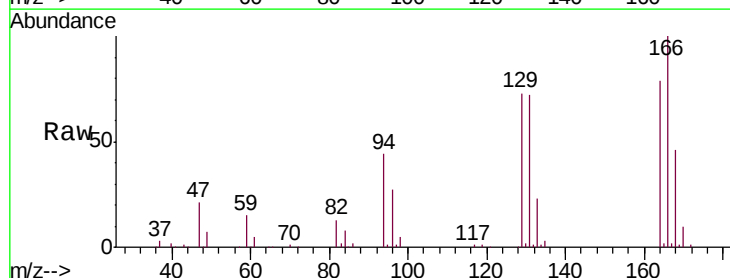
#46
 1,1,2-Trichloroethane
 Concen: 27.722 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV010673.D
 Acq: 06 May 2019 12:03

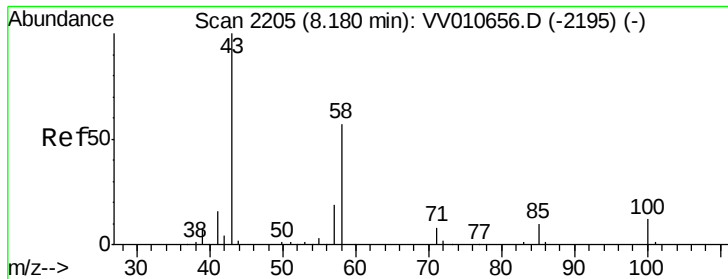
Tgt Ion:	97	Resp:	56097
Ion	Ratio	Lower	Upper
97	100		
83	85.8	62.1	115.3
85	53.8	39.8	74.0
99	63.0	44.2	82.0



#47
 Tetrachloroethene
 Concen: 27.202 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010673.D
 Acq: 06 May 2019 12:03

Tgt Ion:	164	Resp:	56352
Ion	Ratio	Lower	Upper
164	100		
129	91.8	67.5	125.4
131	91.2	65.1	120.9
166	126.5	86.0	159.6





#49

2-Hexanone

Concen: 51.907 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VV010673.D

Acq: 06 May 2019 12:03

Tgt Ion: 43 Resp: 65841

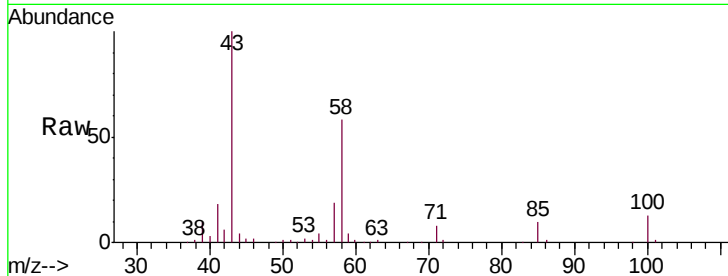
Ion Ratio Lower Upper

43 100

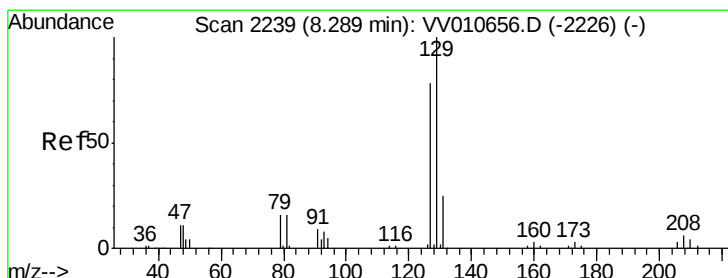
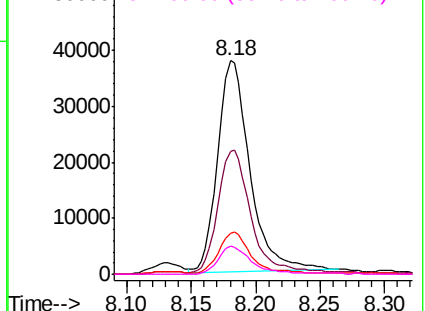
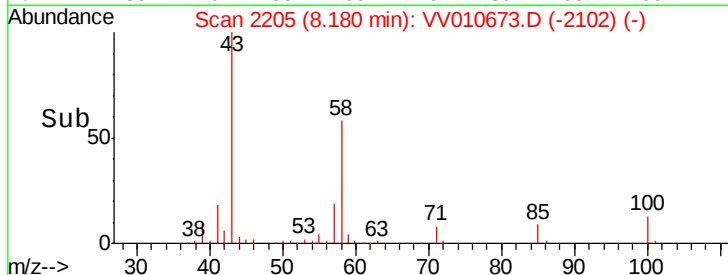
58 57.9 42.5 63.7

57 17.9 14.4 21.6

100 13.6 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VV010673.D (-2102) (-)



#50

Dibromochloromethane

Concen: 28.175 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV010673.D

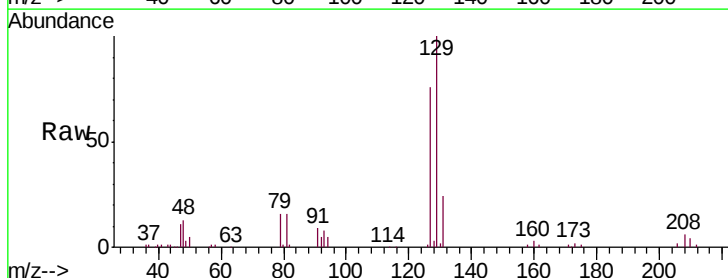
Acq: 06 May 2019 12:03

Tgt Ion: 129 Resp: 67614

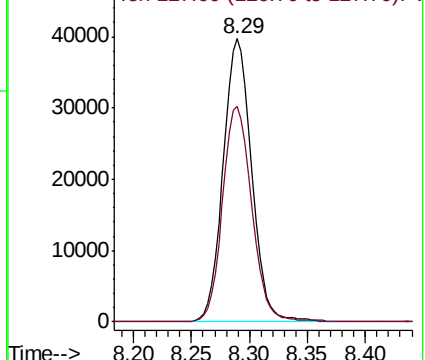
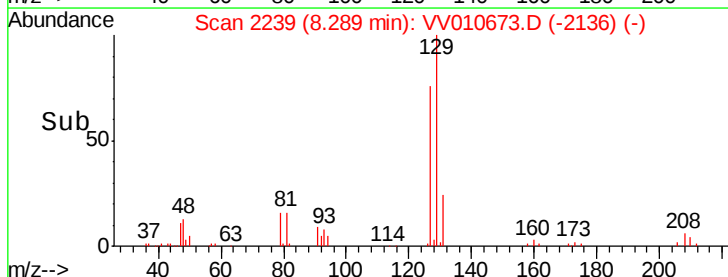
Ion Ratio Lower Upper

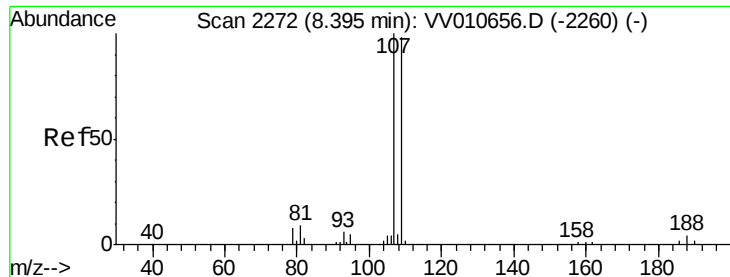
129 100

127 76.2 53.9 100.1



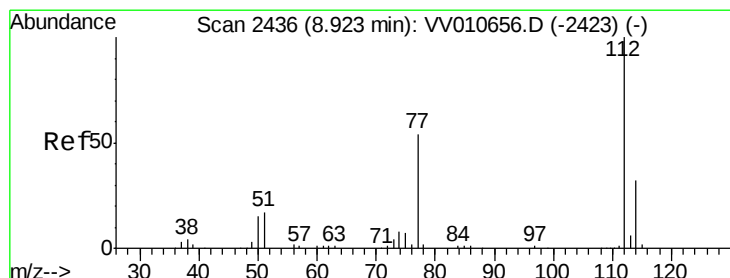
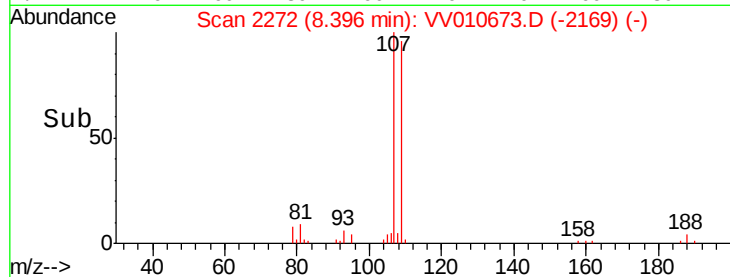
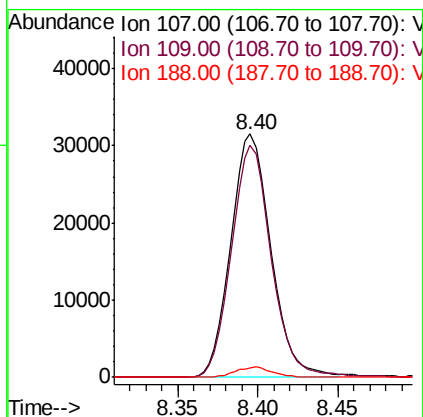
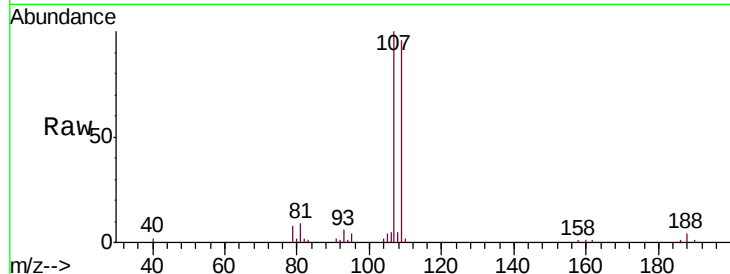
Abundance Ion 129.00 (128.70 to 129.70): VV010673.D (-2136) (-)





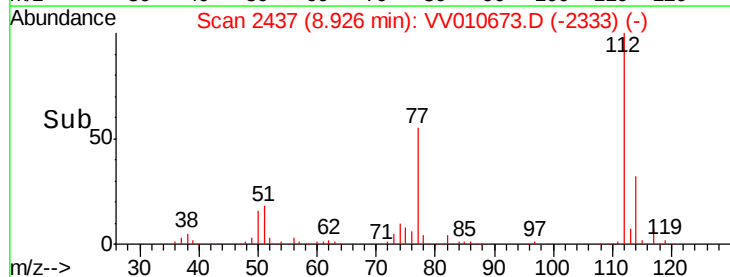
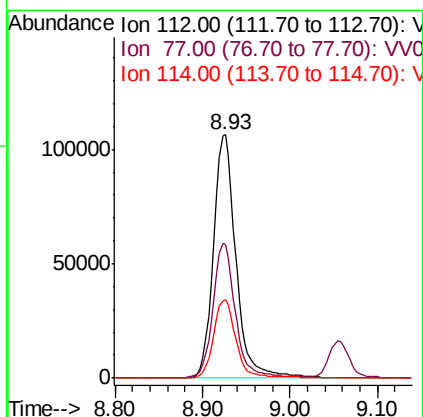
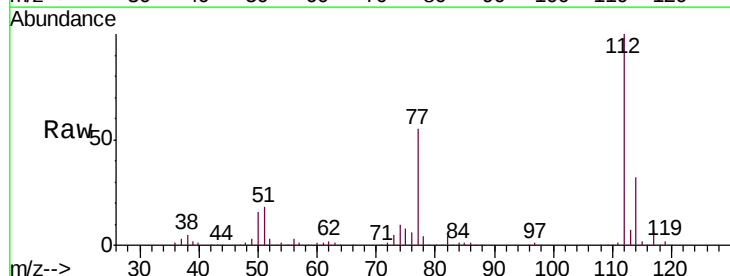
#51
 1,2-Dibromoethane
 Concen: 27.666 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV010673.D
 Acq: 06 May 2019 12:03

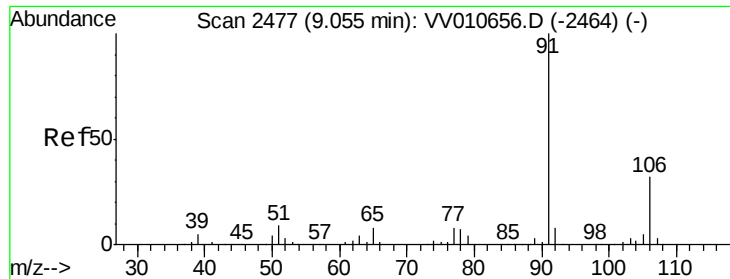
Tgt Ion:107 Resp: 54000
 Ion Ratio Lower Upper
 107 100
 109 95.5 68.7 127.7
 188 3.9 3.0 4.4



#52
 Chlorobenzene
 Concen: 26.581 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: VV010673.D
 Acq: 06 May 2019 12:03

Tgt Ion:112 Resp: 190761
 Ion Ratio Lower Upper
 112 100
 77 54.8 44.5 66.7
 114 32.3 22.5 41.7





#53

Ethylbenzene

Concen: 27.372 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010673.D

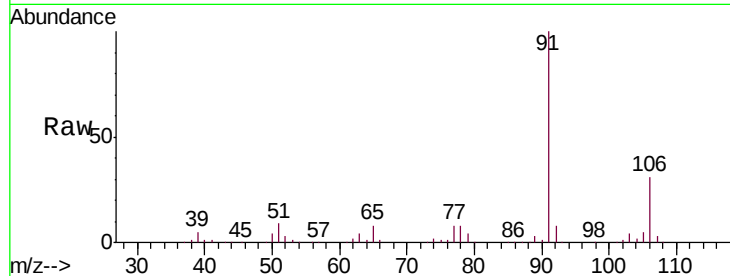
Acq: 06 May 2019 12:03

Tgt Ion: 91 Resp: 318333

Ion Ratio Lower Upper

91 100

106 31.5 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VV010656.D (-2464) (-)

Ion 106.00 (105.70 to 106.70): VV010656.D (-2464) (-)

200000

150000

100000

50000

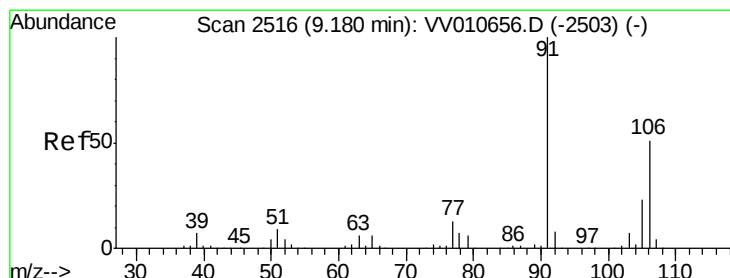
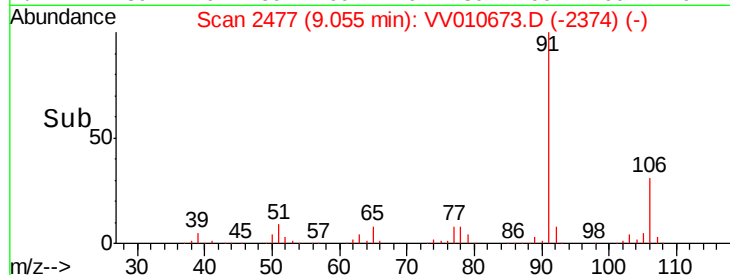
0

9.05

9.10

9.15

Time-->



#54

m,p-Xylene

Concen: 27.252 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV010673.D

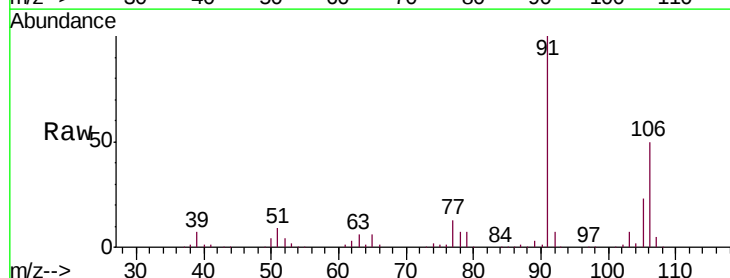
Acq: 06 May 2019 12:03

Tgt Ion: 106 Resp: 120096

Ion Ratio Lower Upper

106 100

91 200.3 140.4 260.8



Abundance Ion 106.00 (105.70 to 106.70): VV010656.D (-2503) (-)

Ion 91.00 (90.70 to 91.70): VV010656.D (-2503) (-)

150000

100000

50000

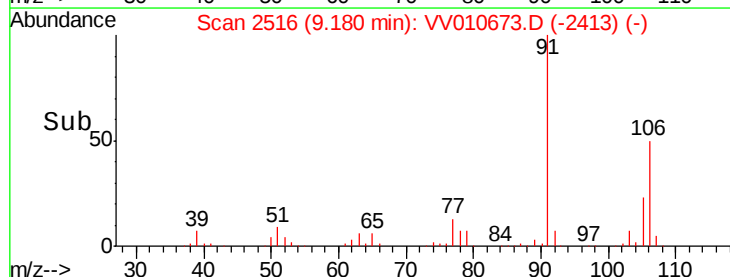
0

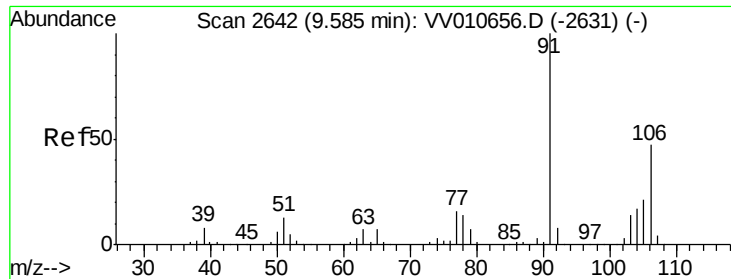
9.18

9.20

9.25

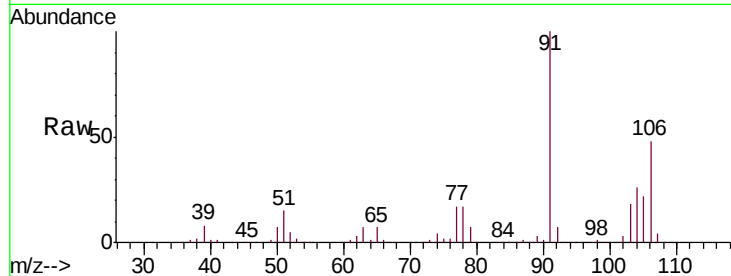
Time-->



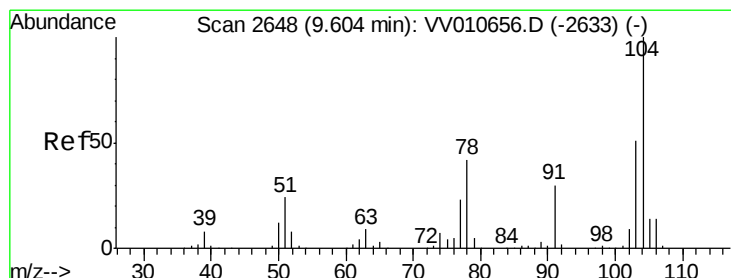
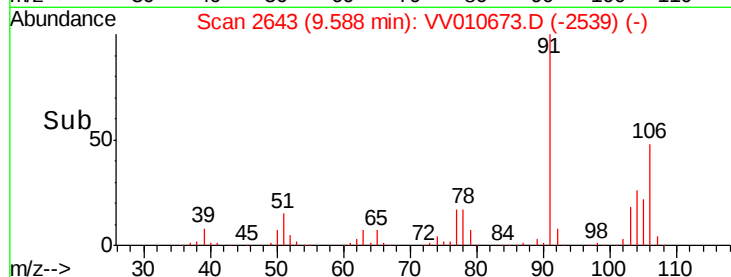
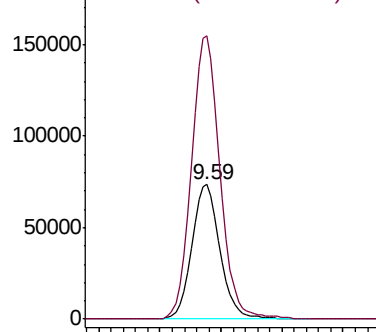


#55
o-xylene
Concen: 27.789 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV010673.D
Acq: 06 May 2019 12:03

Tgt Ion:106 Resp: 119641
Ion Ratio Lower Upper
106 100
91 210.2 147.3 273.5

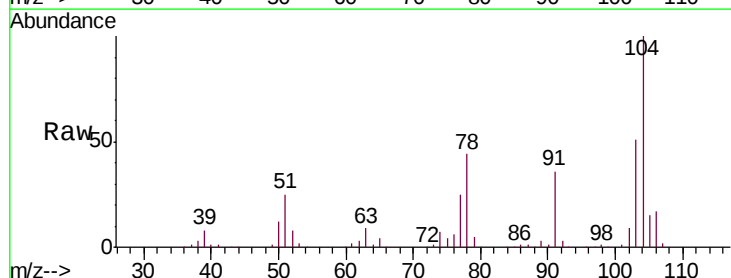


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

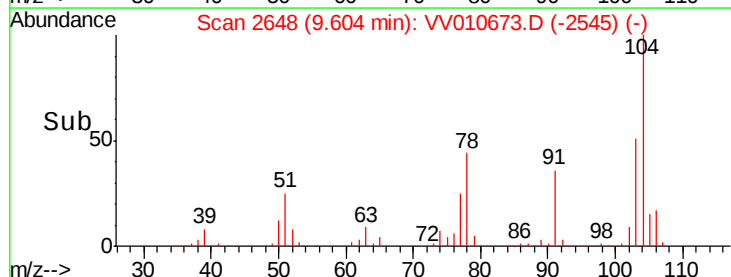
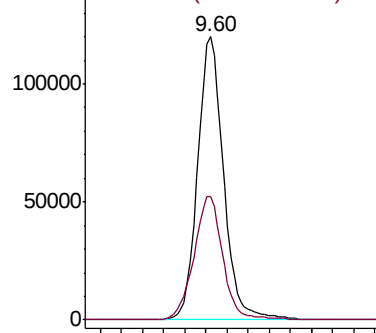


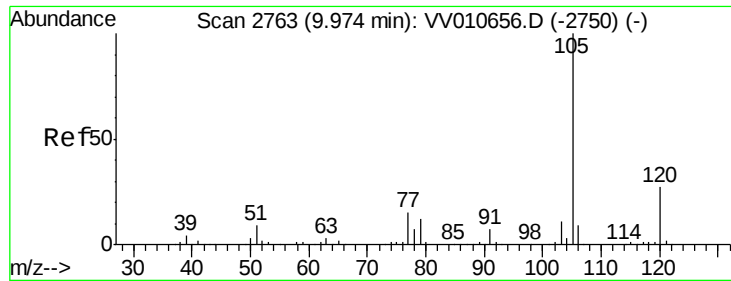
#56
Styrene
Concen: 27.969 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV010673.D
Acq: 06 May 2019 12:03

Tgt Ion:104 Resp: 204368
Ion Ratio Lower Upper
104 100
78 43.8 30.4 56.5



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





#57

Isopropylbenzene

Concen: 28.806 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010673.D

Acq: 06 May 2019 12:03

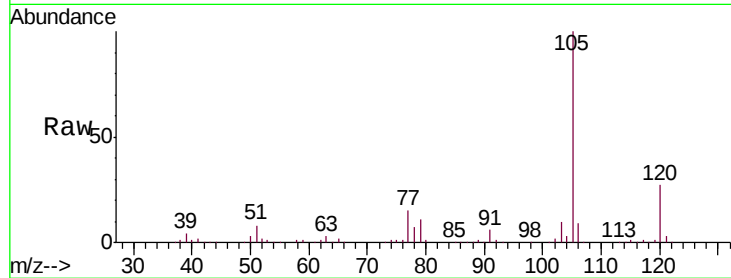
Tgt Ion: 105 Resp: 325448

Ion Ratio Lower Upper

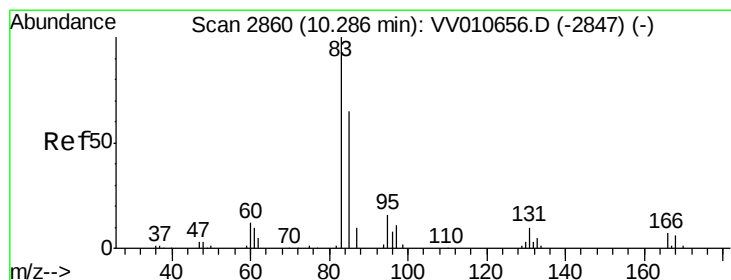
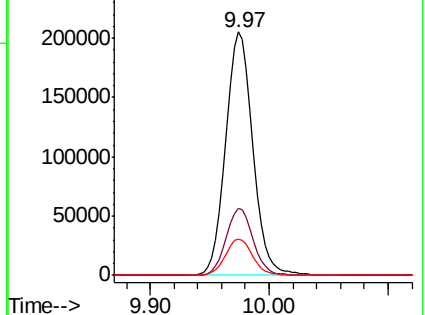
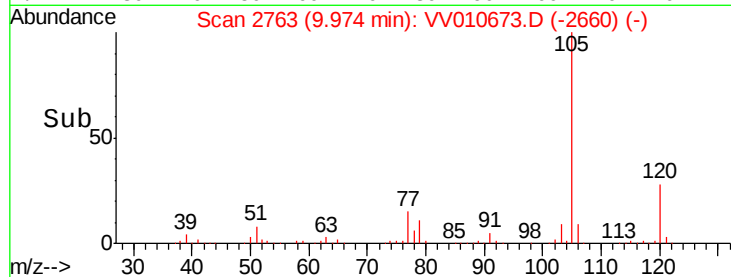
105 100

120 27.4 21.7 32.5

77 15.0 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): VV010673.D (-2660) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 27.255 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010673.D

Acq: 06 May 2019 12:03

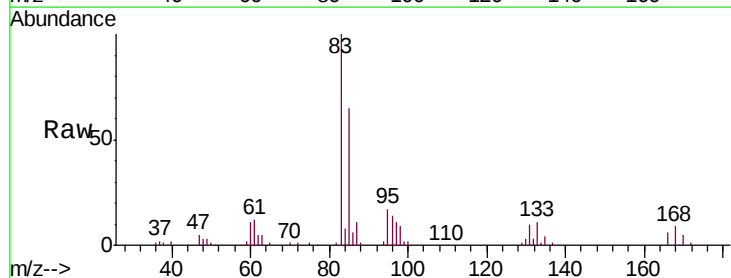
Tgt Ion: 83 Resp: 68800

Ion Ratio Lower Upper

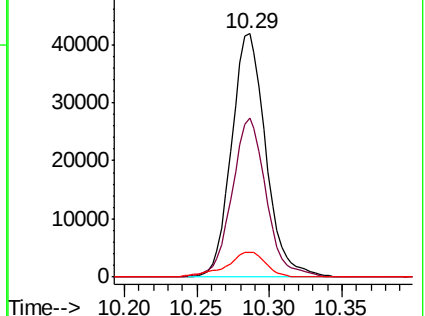
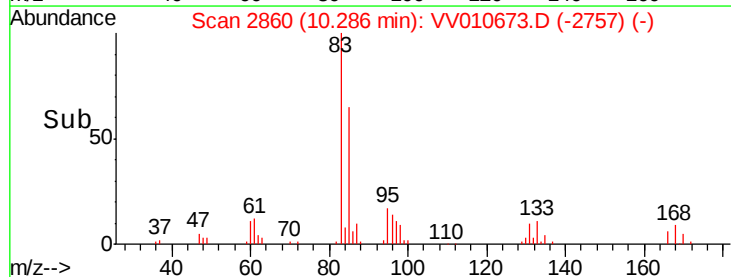
83 100

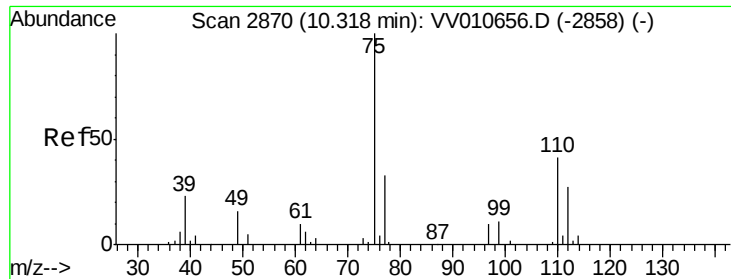
85 65.2 46.5 86.3

131 10.3 8.4 12.6



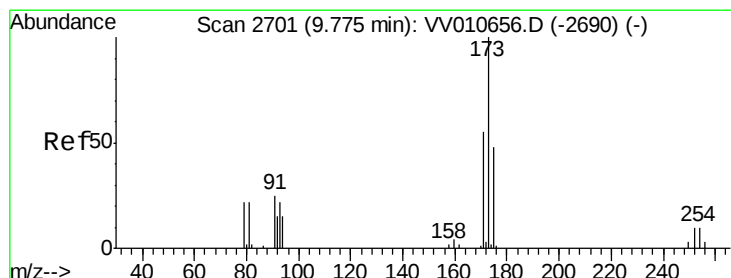
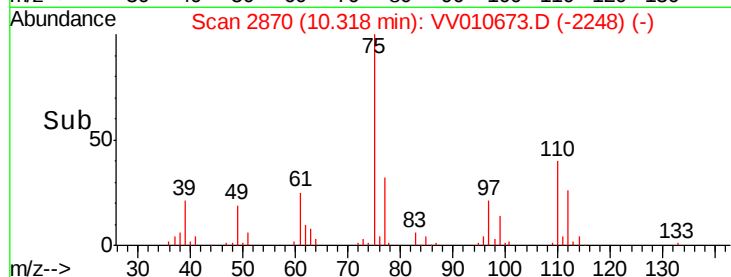
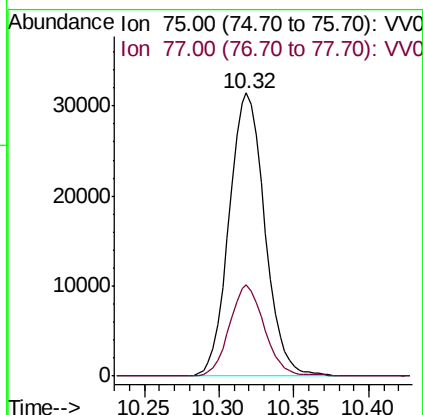
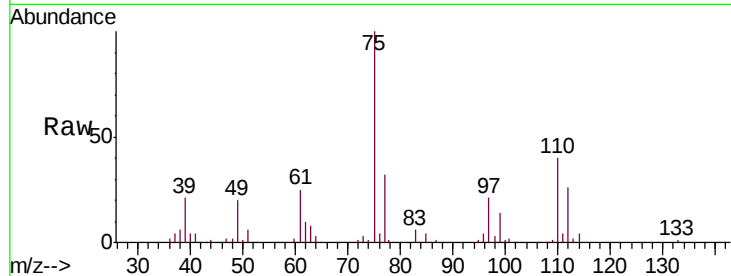
Abundance Ion 83.00 (82.70 to 83.70): VV010673.D (-2757) (-)





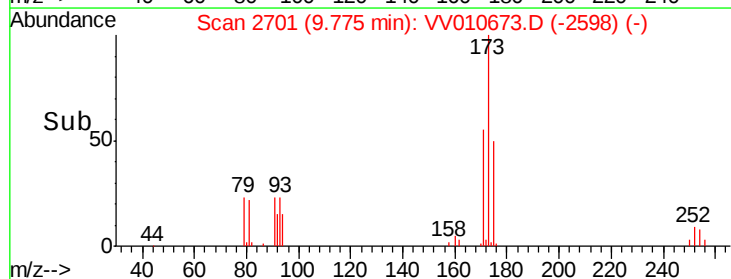
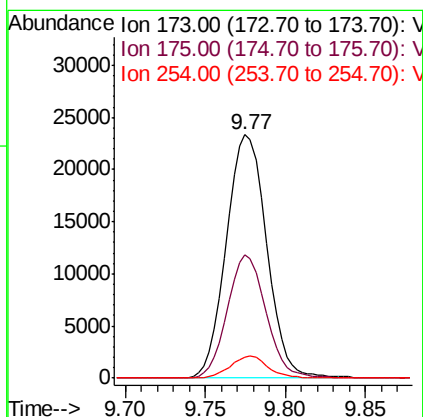
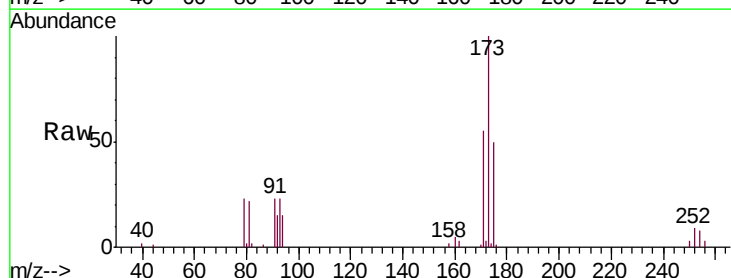
#59
 1,2,3-Trichloropropane
 Concen: 27.528 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010673.D
 Acq: 06 May 2019 12:03

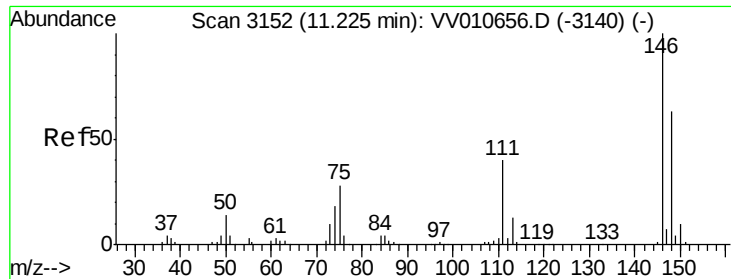
Tgt Ion: 75 Resp: 52278
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.6 38.4



#62
 Bromoform
 Concen: 28.399 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV010673.D
 Acq: 06 May 2019 12:03

Tgt Ion: 173 Resp: 40211
 Ion Ratio Lower Upper
 173 100
 175 48.2 37.9 56.9
 254 8.2 5.9 8.9





#63

1,3-Dichlorobenzene

Concen: 26.935 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV010673.D

Acq: 06 May 2019 12:03

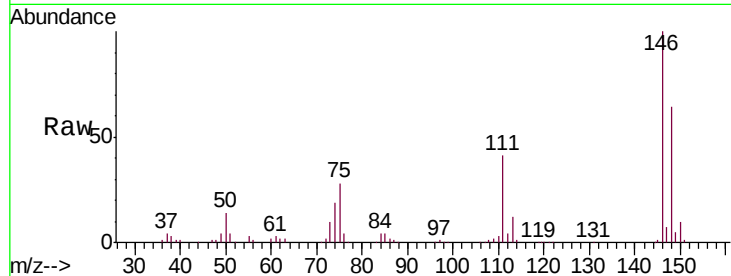
Tgt Ion:146 Resp: 155178

Ion Ratio Lower Upper

146 100

111 40.8 28.3 52.7

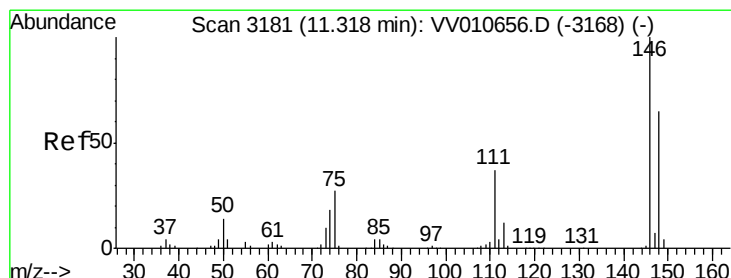
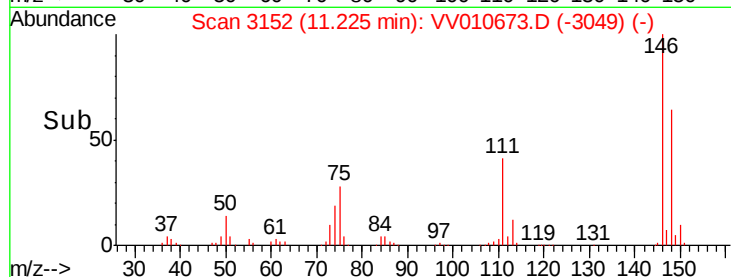
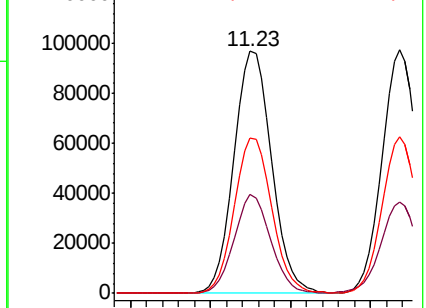
148 63.9 44.4 82.5



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: 25.596 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV010673.D

Acq: 06 May 2019 12:03

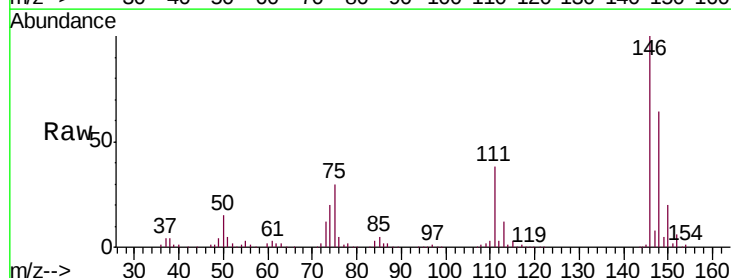
Tgt Ion:146 Resp: 153988

Ion Ratio Lower Upper

146 100

111 37.6 27.6 51.4

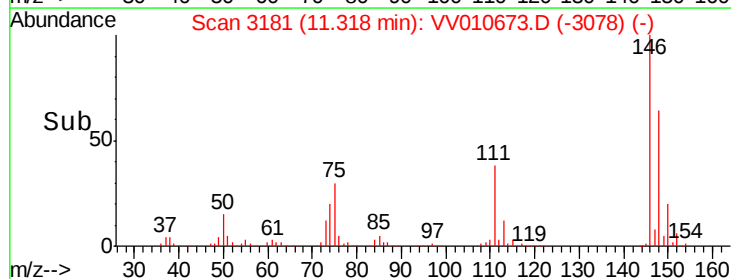
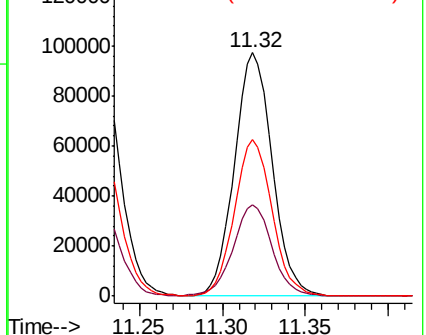
148 64.3 44.0 81.8

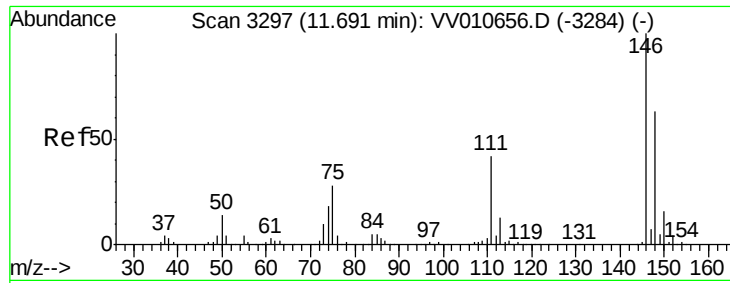


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

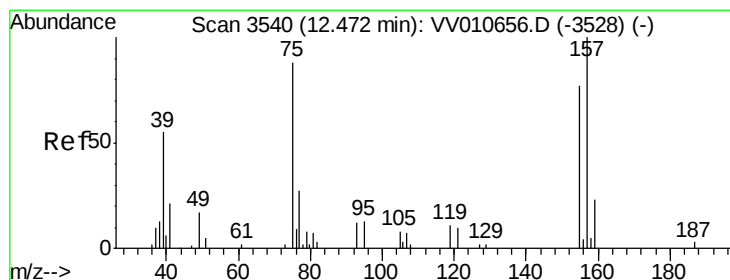
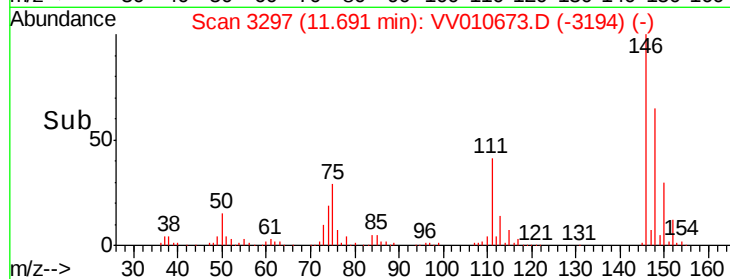
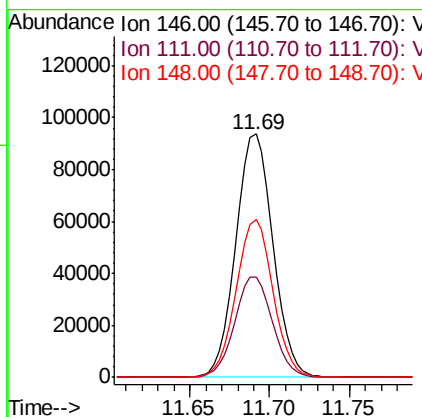
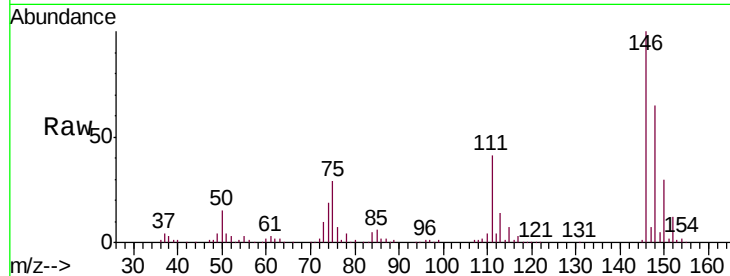
Ion 148.00 (147.70 to 148.70): V





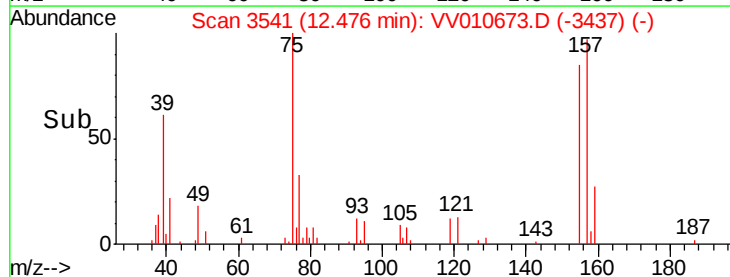
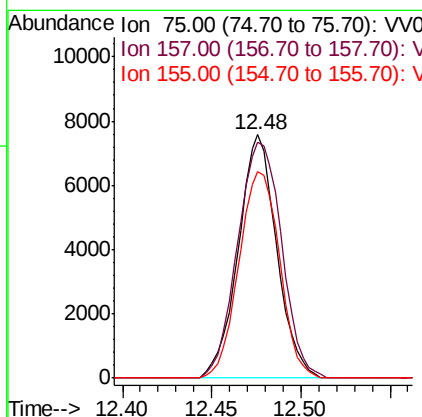
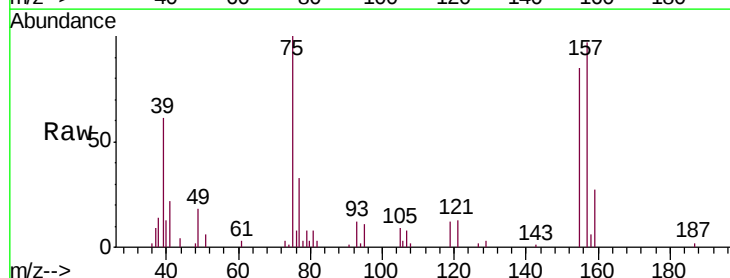
#65
 1,2-Dichlorobenzene
 Concen: 26.058 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV010673.D
 Acq: 06 May 2019 12:03

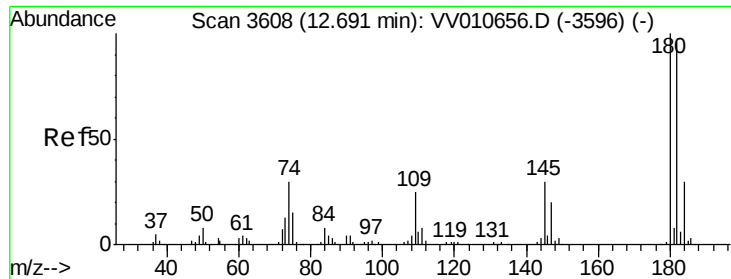
Tgt Ion: 146 Resp: 148213
 Ion Ratio Lower Upper
 146 100
 111 41.4 32.7 49.1
 148 65.0 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.143 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV010673.D
 Acq: 06 May 2019 12:03

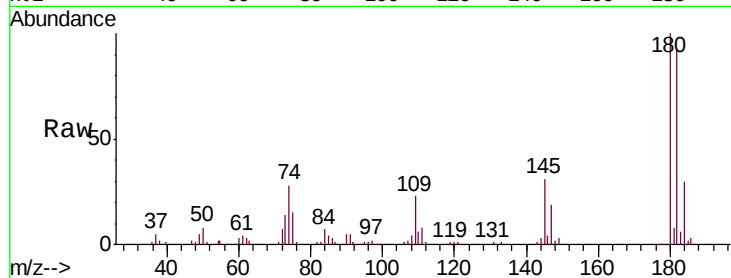
Tgt Ion: 75 Resp: 11354
 Ion Ratio Lower Upper
 75 100
 157 97.0 91.1 136.7
 155 84.7 61.0 91.6





#67
 1,3,5-Trichlorobenzene
 Concen: 26.964 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV010673.D
 Acq: 06 May 2019 12:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.2	112.8
184	30.4	23.8	35.6
145	30.4	24.5	36.7



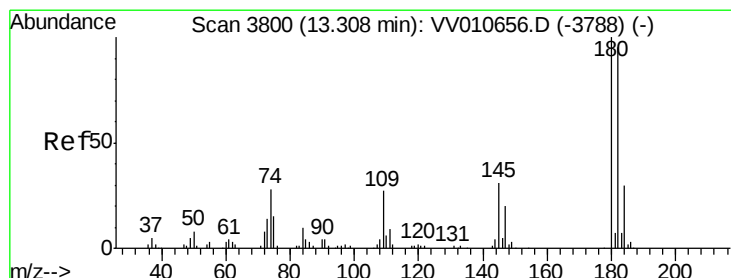
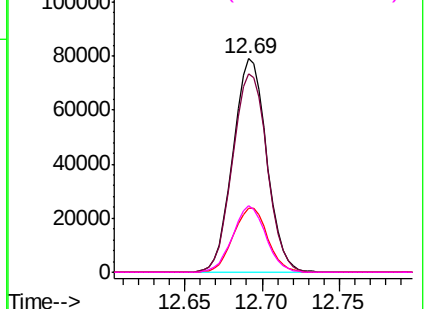
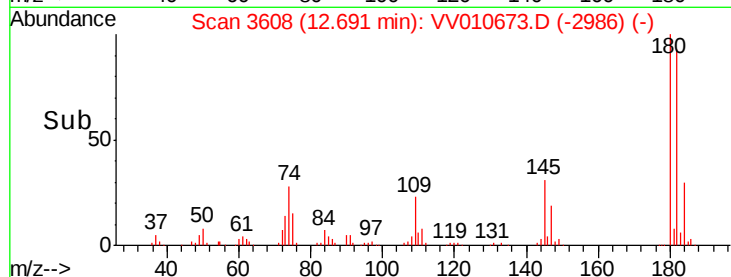
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

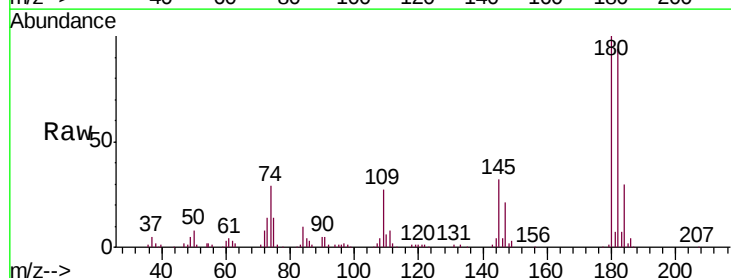
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 28.134 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV010673.D
 Acq: 06 May 2019 12:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.1	114.1
145	31.3	26.0	39.0

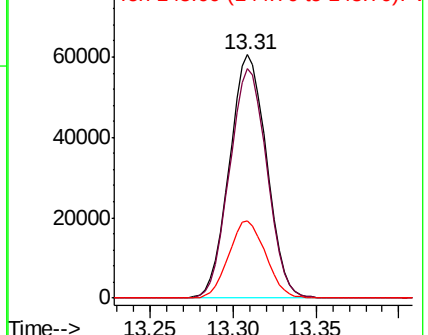
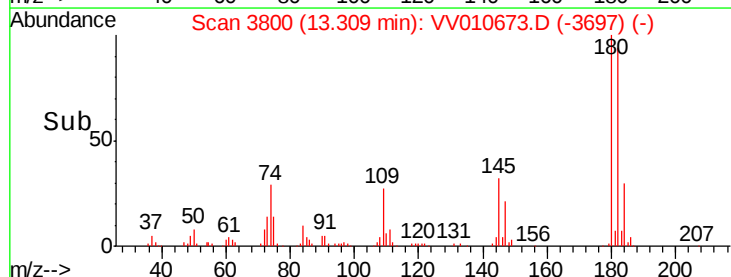


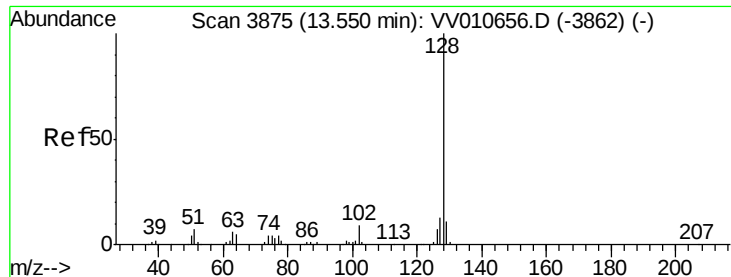
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

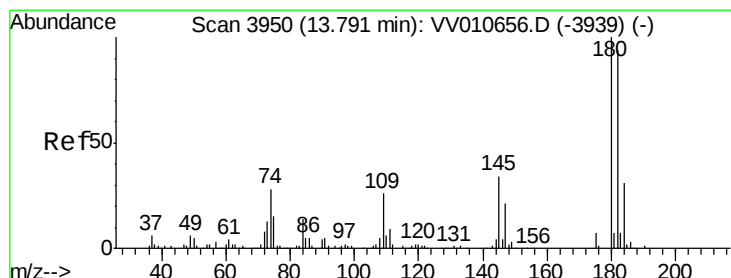
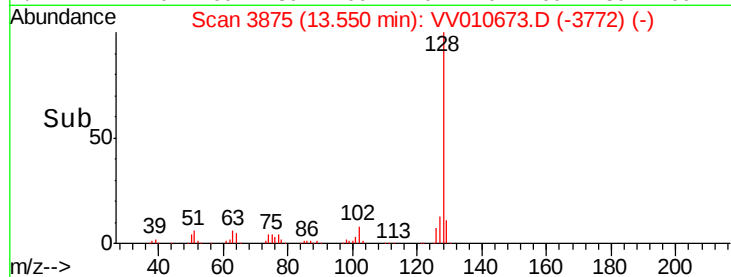
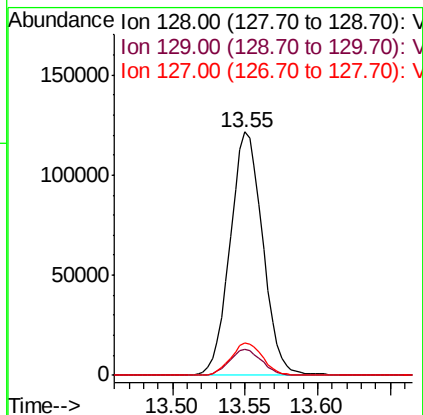
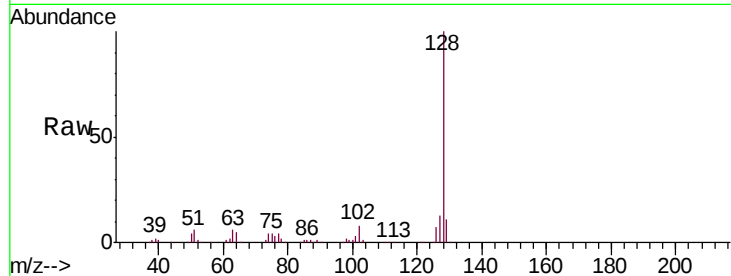
Ion 145.00 (144.70 to 145.70): V





#69
Naphthalene
Concen: 29.497 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV010673.D
Acq: 06 May 2019 12:03

Tgt Ion:	128	Resp:	190345
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	13.0
127	13.0	10.6	15.8



#70
1,2,3-Trichlorobenzene
Concen: 28.229 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV010673.D
Acq: 06 May 2019 12:03

Tgt Ion:	180	Resp:	89864
Ion	Ratio	Lower	Upper
180	100		
182	94.4	79.0	118.6
145	33.1	28.2	42.4

