

Data File : VV013901.D
Acq On : 04 Dec 2019 13:45
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 01:26:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 08 13:30:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	274581	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	280864	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	146728	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69232	46.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.26%
7) Chloroethane-d5	1.55	69	68275	64.08	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	128.16%
11) 1,1-Dichloroethene-d2	2.12	63	152511	58.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	117.22%
21) 2-Butanone-d5	3.92	46	109879	100.47	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.47%
24) Chloroform-d	4.39	84	151416	40.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.42%
26) 1,2-Dichloroethane-d4	5.07	65	94010	38.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.72%
32) Benzene-d6	5.09	84	303062	37.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.98%
36) 1,2-Dichloropropane-d6	6.11	67	94174	40.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.44%
41) Toluene-d8	7.35	98	291260	37.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.74%#
43) trans-1,3-Dichloropropene-	7.66	79	46867	35.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.42%
47) 2-Hexanone-d5	8.13	63	76554	78.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.73%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	152968	46.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.72%
66) 1,2-Dichlorobenzene-d4	11.67	152	135240	39.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.38%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	102997	53.108	ug/L	98
3) Chloromethane	1.25	50	103115	74.879	ug/L	96
5) Vinyl chloride	1.32	62	100398	75.531	ug/L	99
6) Bromomethane	1.51	94	57624	74.672	ug/L	99
8) Chloroethane	1.57	64	67741	97.309	ug/L	99
9) Trichlorofluoromethane	1.75	101	156977	72.634	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	91023	85.916	ug/L	97
12) 1,1-Dichloroethene	2.13	96	85715	85.920	ug/L	86
13) Acetone	2.18	43	148430	199.060	ug/L	95
14) Carbon disulfide	2.31	76	214967	63.765	ug/L	98
15) Methyl Acetate	2.45	43	90414	69.300	ug/L	93
16) Methylene chloride	2.53	84	88574	58.517	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	81007	57.506	ug/L	94
18) Methyl tert-butyl Ether	2.80	73	249375	51.520	ug/L	97
19) 1,1-Dichloroethane	3.22	63	149349	58.138	ug/L	98
20) cis-1,2-Dichloroethene	3.95	96	92130	55.527	ug/L	93
22) 2-Butanone	4.00	43	147855	153.861	ug/L	93

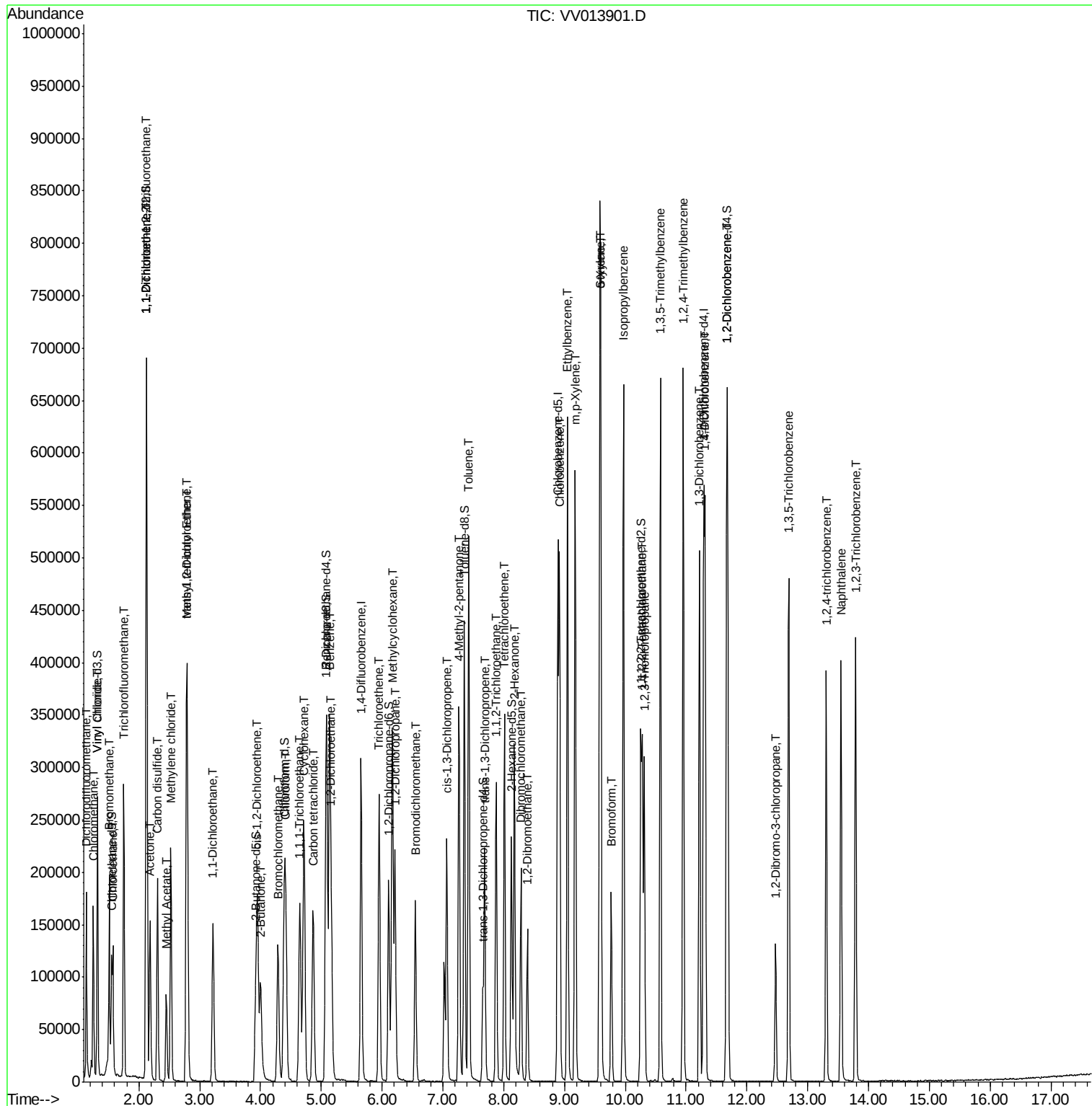
Data File : VV013901.D
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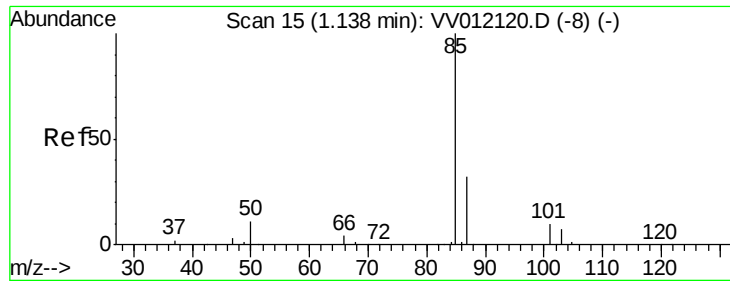
Quant Time: Dec 05 01:26:53 2019
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Quant Title : VOC Analysis
QLast Update : Thu Aug 08 13:30:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	50190	55.011	ug/L	91
25) Chloroform	4.41	83	155063	53.252	ug/L	100
27) 1,2-Dichloroethane	5.17	62	117384	51.867	ug/L	97
29) Cyclohexane	4.72	56	135351	57.631	ug/L	95
30) 1,1,1-Trichloroethane	4.65	97	131813	44.180	ug/L	96
31) Carbon tetrachloride	4.87	117	121664	43.956	ug/L	99
33) Benzene	5.14	78	346987	53.669	ug/L	100
34) Trichloroethene	5.95	95	91097	50.693	ug/L	97
35) Methylcyclohexane	6.17	83	142074	53.118	ug/L	93
37) 1,2-Dichloropropane	6.21	63	86522	54.866	ug/L	99
38) Bromodichloromethane	6.55	83	115241	46.453	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	134627	48.422	ug/L	100
40) 4-Methyl-2-pentanone	7.26	43	233248	114.921	ug/L	98
42) Toluene	7.42	91	371748	51.747	ug/L	96
44) trans-1,3-Dichloropropene	7.68	75	121021	46.112	ug/L	100
45) 1,1,2-Trichloroethane	7.87	97	89110	52.420	ug/L	98
46) Tetrachloroethene	8.01	164	85757	51.219	ug/L	96
48) 2-Hexanone	8.17	43	192051	125.510	ug/L	99
49) Dibromochloromethane	8.28	129	103594	46.962	ug/L	99
50) 1,2-Dibromoethane	8.39	107	94494	50.263	ug/L	100
51) Chlorobenzene	8.92	112	266199	54.960	ug/L	99
52) Ethylbenzene	9.05	91	428812	53.198	ug/L	100
53) m,p-Xylene	9.17	106	167486	53.861	ug/L	92
54) o-Xylene	9.58	106	162091	52.531	ug/L	94
55) Styrene	9.60	104	284537	54.740	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.28	83	151365	57.903	ug/L	99
59) Bromoform	9.77	173	84292	48.975	ug/L #	98
60) Isopropylbenzene	9.97	105	425223	52.939	ug/L	99
61) 1,2,3-Trichloropropane	10.31	75	123302	61.885	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	357003	51.412	ug/L	98
63) 1,2,4-Trimethylbenzene	10.95	105	357905	52.222	ug/L	98
64) 1,3-Dichlorobenzene	11.22	146	216455	53.409	ug/L	99
65) 1,4-Dichlorobenzene	11.31	146	217746	53.154	ug/L	98
67) 1,2-Dichlorobenzene	11.68	146	221156	53.483	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.47	75	30161	45.932	ug/L	98
69) 1,3,5-Trichlorobenzene	12.69	180	165296	50.313	ug/L	99
70) 1,2,4-trichlorobenzene	13.31	180	133594	46.898	ug/L	99
71) Naphthalene	13.55	128	313601	43.437	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	144256	50.323	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 53.108 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV013901.D

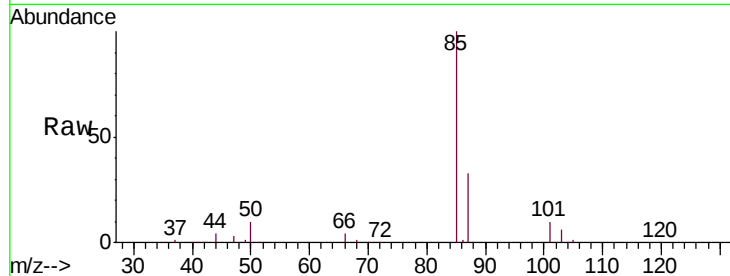
Acq: 04 Dec 2019 13:45

Tgt Ion: 85 Resp: 102997

Ion Ratio Lower Upper

85 100

87 32.6 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV012120.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012120.D (-8) (-)

1.14

100000

80000

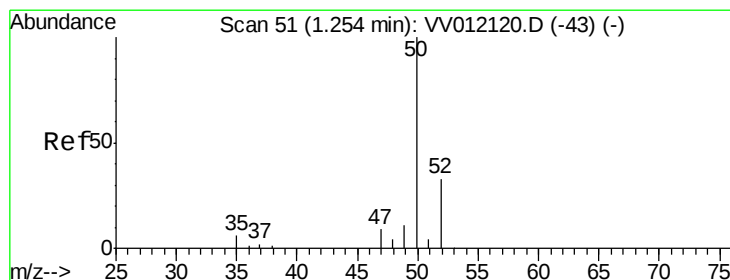
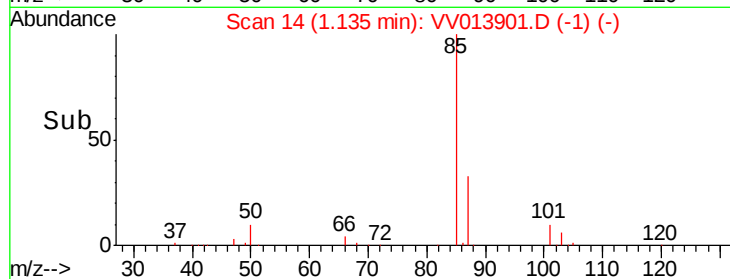
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 74.879 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.01 min

Lab File: VV013901.D

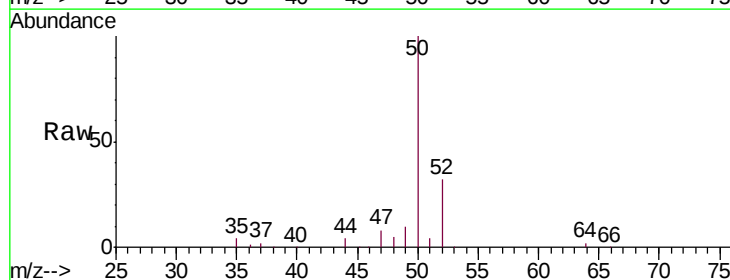
Acq: 04 Dec 2019 13:45

Tgt Ion: 50 Resp: 103115

Ion Ratio Lower Upper

50 100

52 31.9 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VV012120.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV012120.D (-43) (-)

1.25

100000

80000

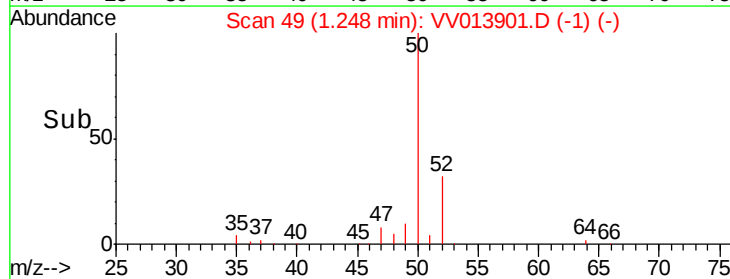
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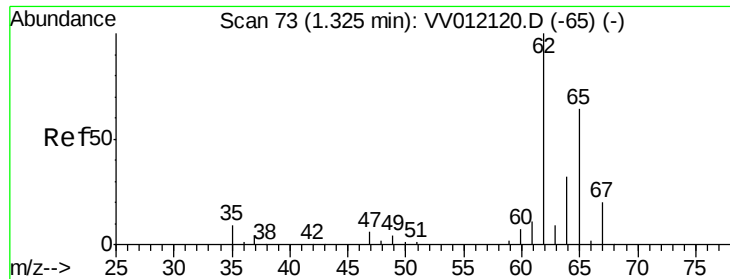
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 75.531 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013901.D

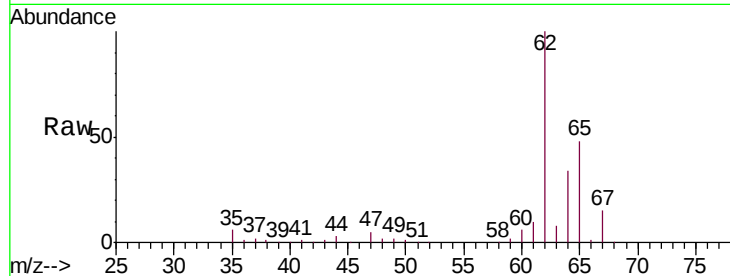
Acq: 04 Dec 2019 13:45

Tgt Ion: 62 Resp: 100398

Ion Ratio Lower Upper

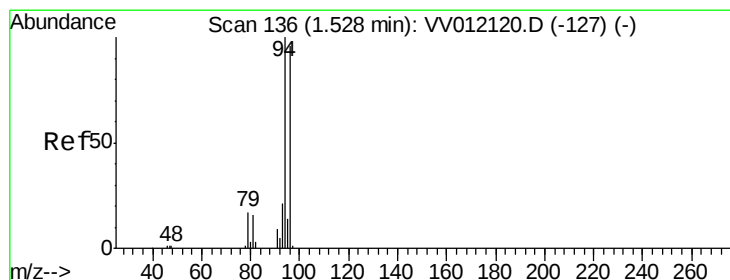
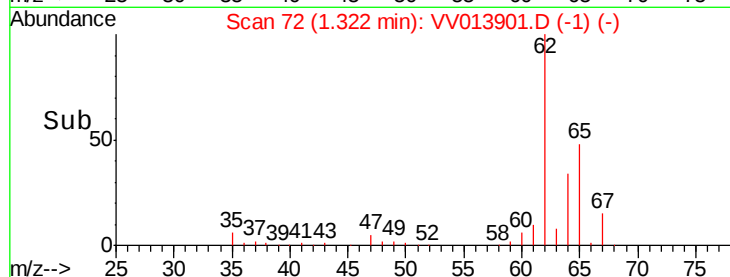
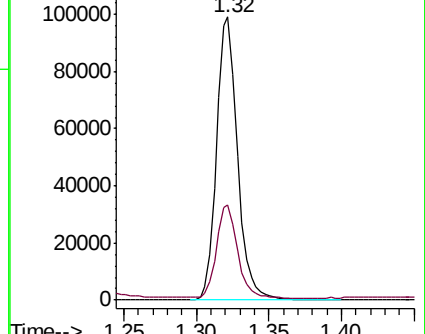
62 100

64 33.5 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 74.672 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.02 min

Lab File: VV013901.D

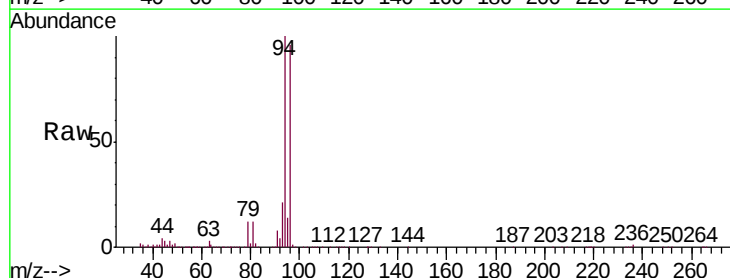
Acq: 04 Dec 2019 13:45

Tgt Ion: 94 Resp: 57624

Ion Ratio Lower Upper

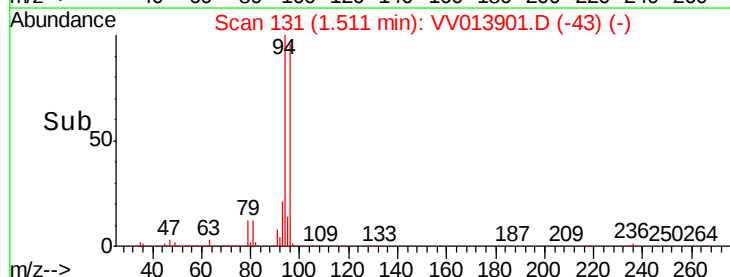
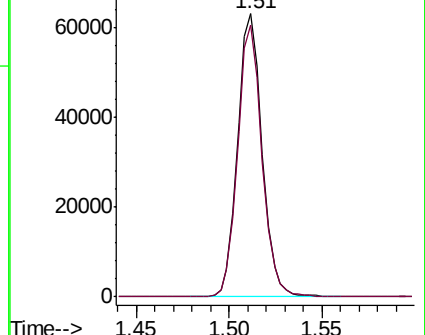
94 100

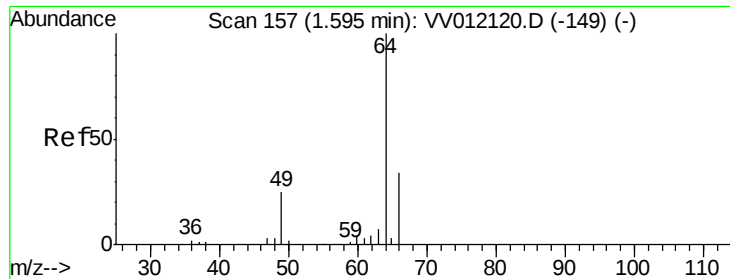
96 96.0 66.8 124.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 97.309 ug/L

RT: 1.57 min Scan# 150

Delta R.T. -0.02 min

Lab File: VV013901.D

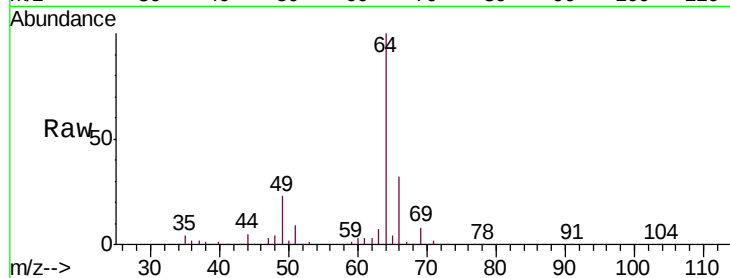
Acq: 04 Dec 2019 13:45

Tgt Ion: 64 Resp: 67741

Ion Ratio Lower Upper

64 100

66 31.7 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV012120.D (-149) (-)

Ion 66.00 (65.70 to 66.70): VV012120.D (-149) (-)

1.57

60000

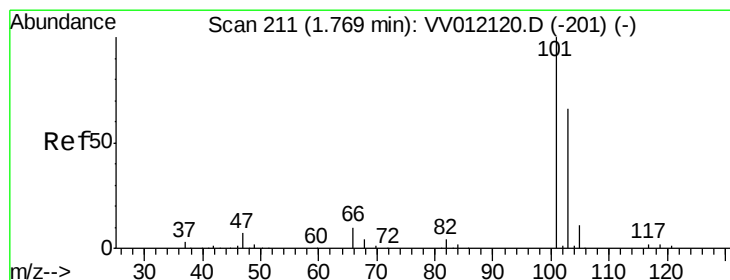
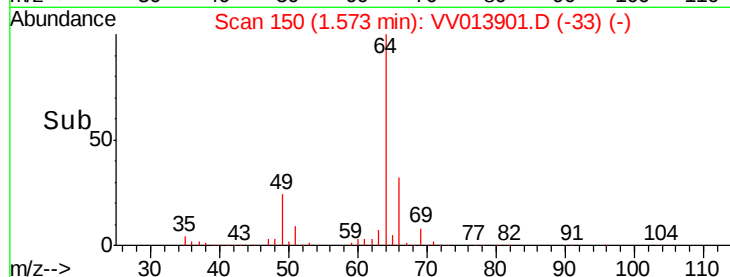
40000

20000

0

1.50 1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 72.634 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.02 min

Lab File: VV013901.D

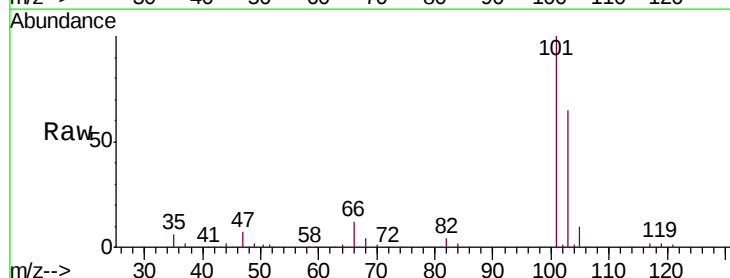
Acq: 04 Dec 2019 13:45

Tgt Ion: 101 Resp: 156977

Ion Ratio Lower Upper

101 100

103 65.2 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV012120.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV012120.D (-201) (-)

1.75

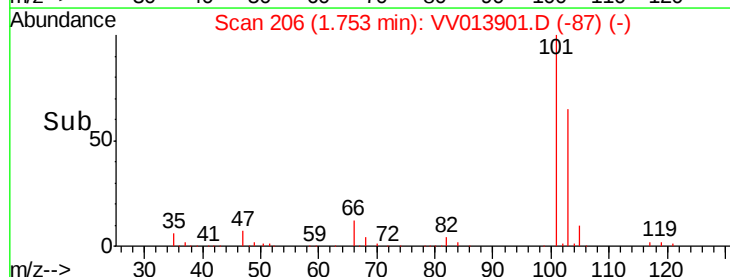
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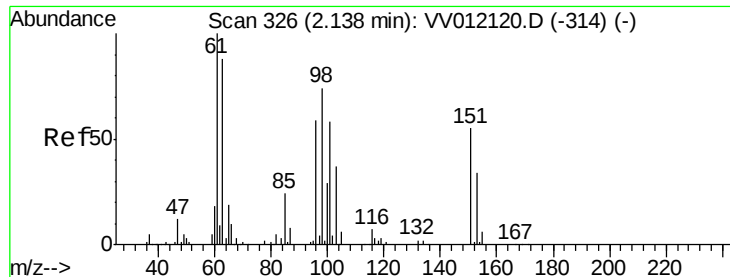
50000

0

1.70 1.75 1.80

Time-->





#10

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

Concen: 85.916 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013901.D

Acq: 04 Dec 2019 13:45

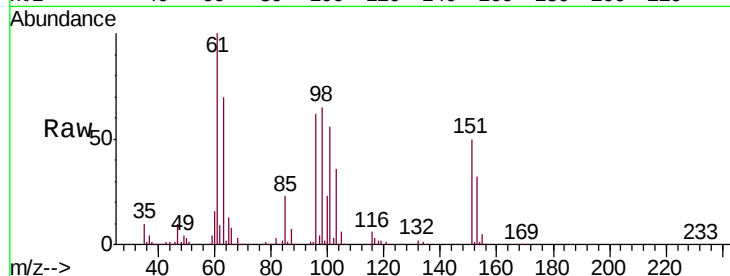
Tgt Ion: 101 Resp: 91023

Ion Ratio Lower Upper

101 100

85 40.9 34.4 51.6

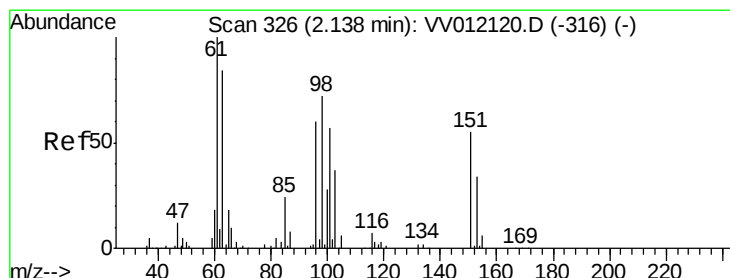
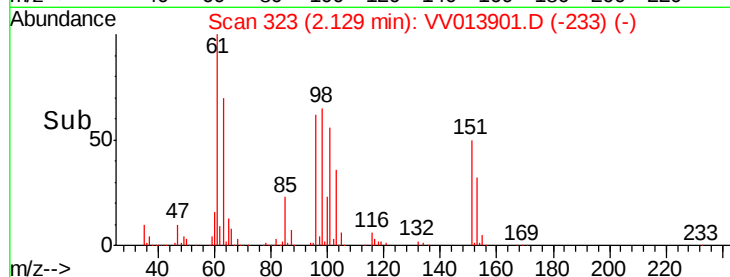
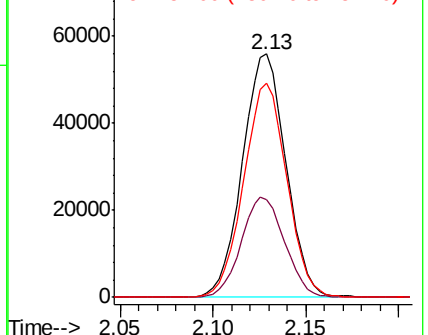
151 87.5 72.2 108.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 85.920 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013901.D

Acq: 04 Dec 2019 13:45

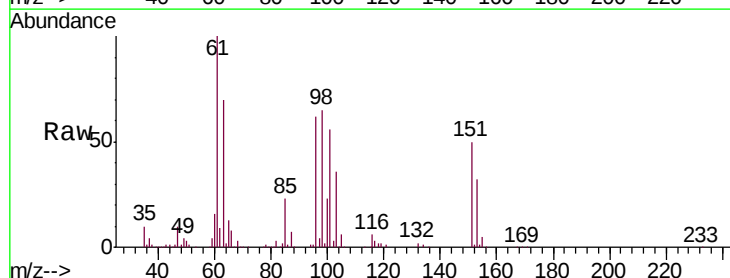
Tgt Ion: 96 Resp: 85715

Ion Ratio Lower Upper

96 100

61 161.1 120.0 223.0

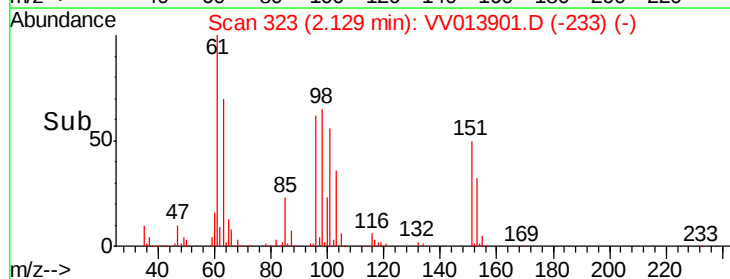
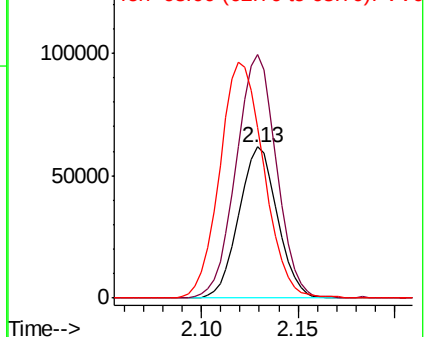
63 113.3 98.3 182.7

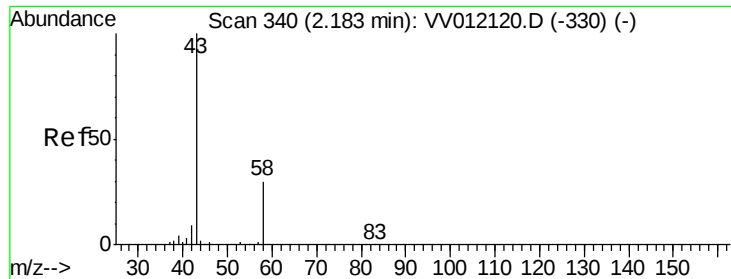


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 199.060 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV013901.D

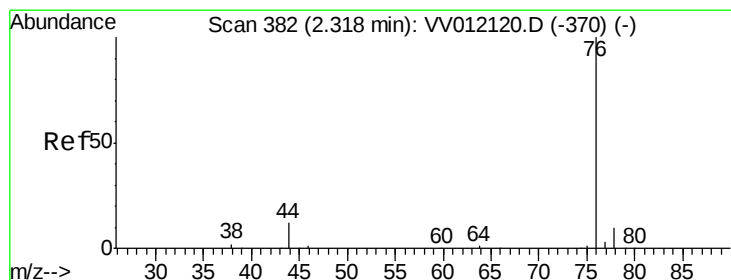
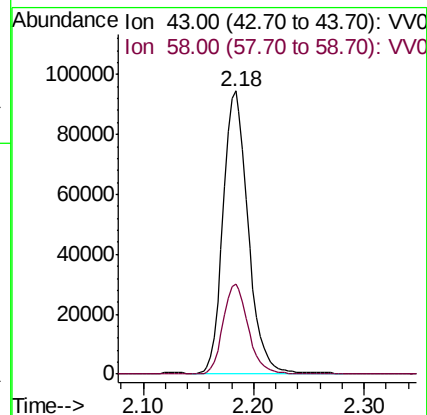
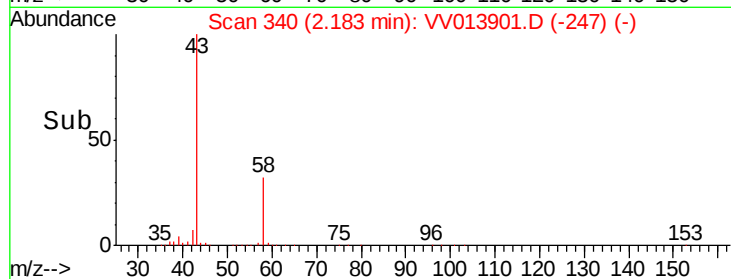
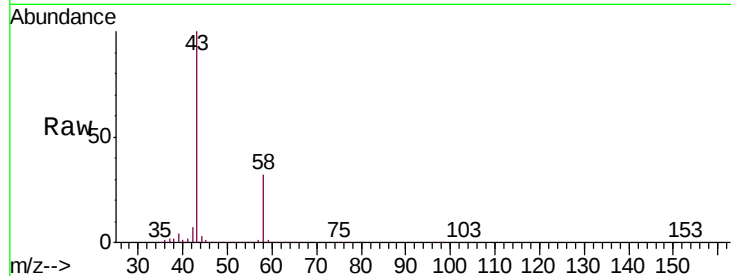
Acq: 04 Dec 2019 13:45

Tgt Ion: 43 Resp: 148430

Ion Ratio Lower Upper

43 100

58 32.1 0.0 59.2



#14

Carbon disulfide

Concen: 63.765 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

Lab File: VV013901.D

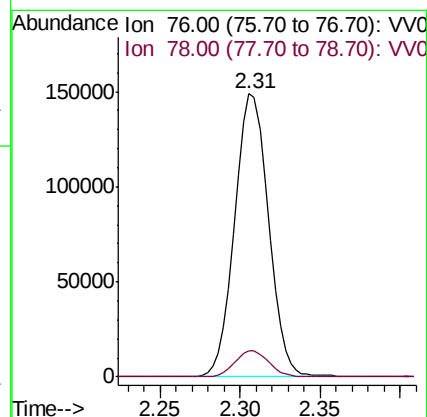
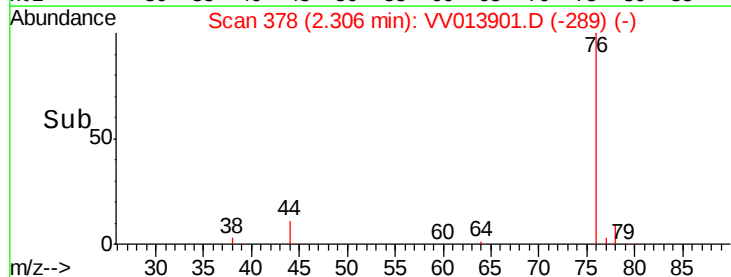
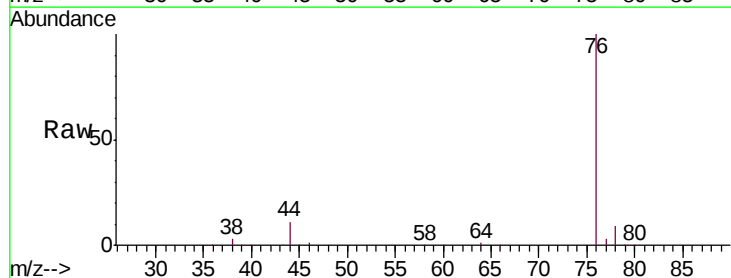
Acq: 04 Dec 2019 13:45

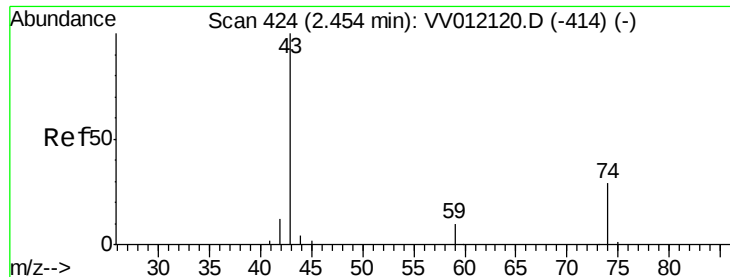
Tgt Ion: 76 Resp: 214967

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7





#15

Methyl Acetate

Concen: 69.300 ug/L

RT: 2.45 min Scan# 423

Delta R.T. -0.00 min

Lab File: VV013901.D

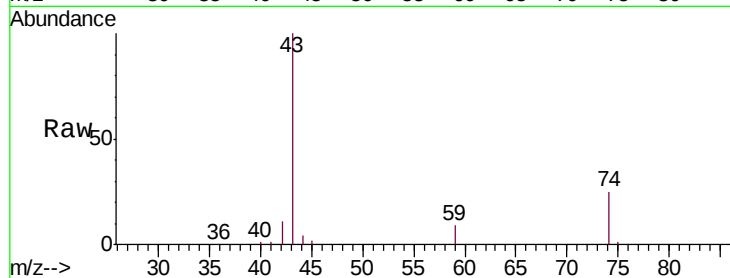
Acq: 04 Dec 2019 13:45

Tgt Ion: 43 Resp: 90414

Ion Ratio Lower Upper

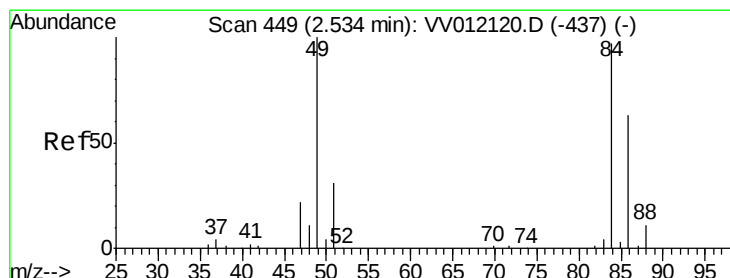
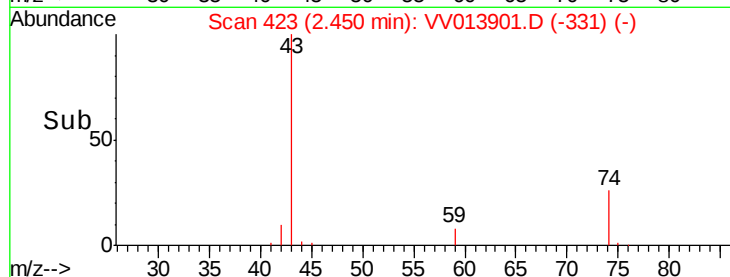
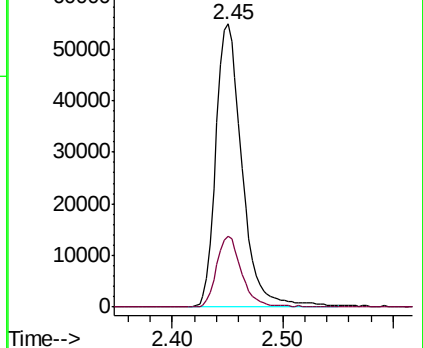
43 100

74 23.8 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 58.517 ug/L

RT: 2.53 min Scan# 447

Delta R.T. -0.01 min

Lab File: VV013901.D

Acq: 04 Dec 2019 13:45

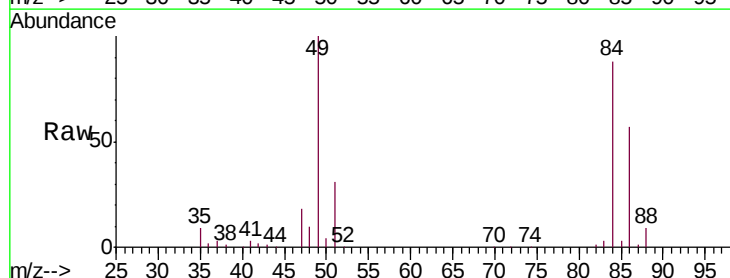
Tgt Ion: 84 Resp: 88574

Ion Ratio Lower Upper

84 100

86 65.2 45.7 84.9

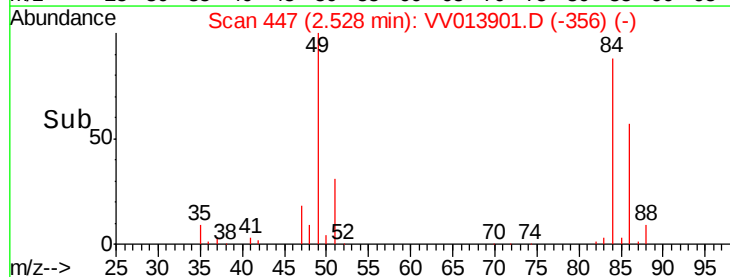
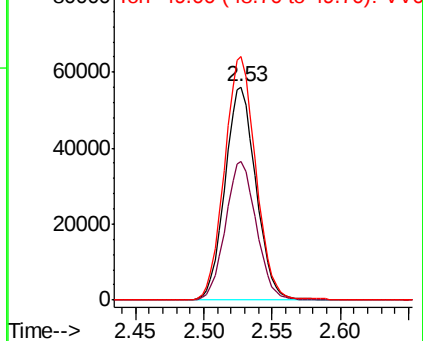
49 114.2 76.6 142.2

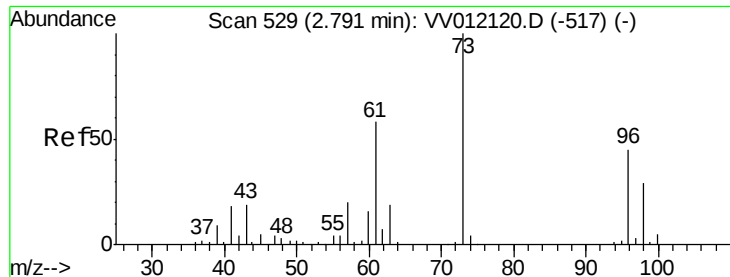


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 57.506 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.01 min

Lab File: VV013901.D

Acq: 04 Dec 2019 13:45

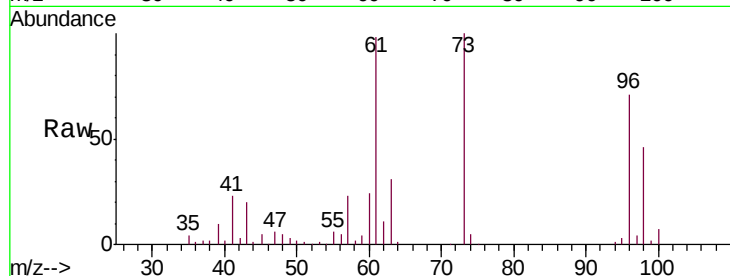
Tgt Ion: 96 Resp: 81007

Ion Ratio Lower Upper

96 100

61 138.1 90.6 168.3

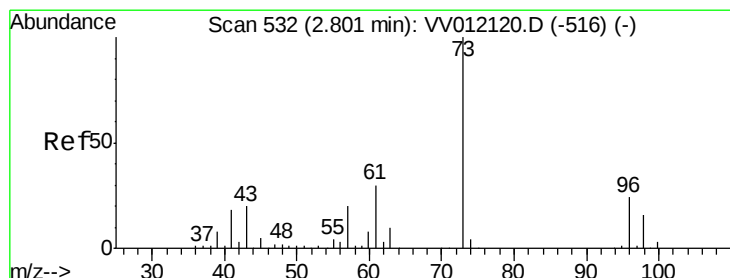
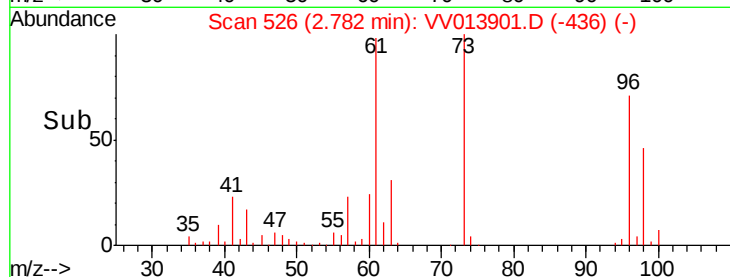
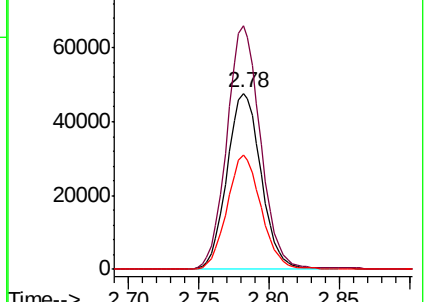
98 64.6 44.2 82.2



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



#18

Methyl tert-butyl Ether

Concen: 51.520 ug/L

RT: 2.80 min Scan# 531

Delta R.T. -0.00 min

Lab File: VV013901.D

Acq: 04 Dec 2019 13:45

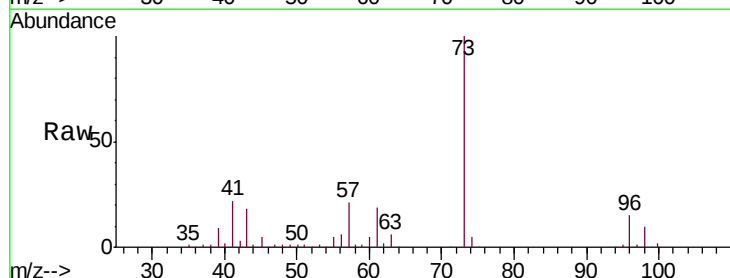
Tgt Ion: 73 Resp: 249375

Ion Ratio Lower Upper

73 100

43 18.8 15.6 23.4

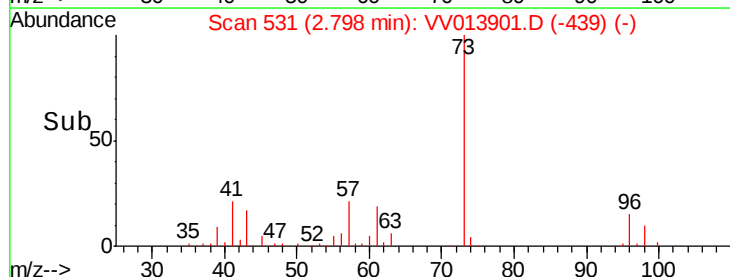
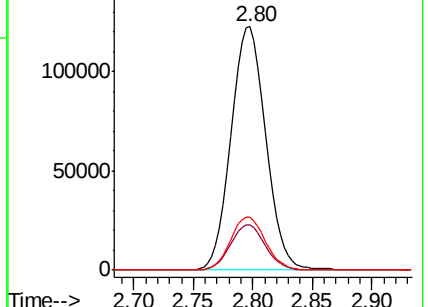
57 21.8 16.0 24.0

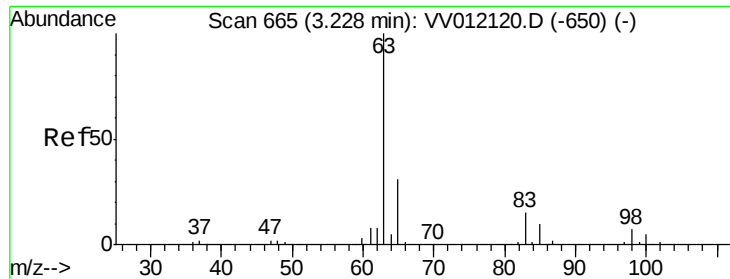


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 58.138 ug/L

RT: 3.22 min Scan# 662

Delta R.T. -0.01 min

Lab File: VV013901.D

Acq: 04 Dec 2019 13:45

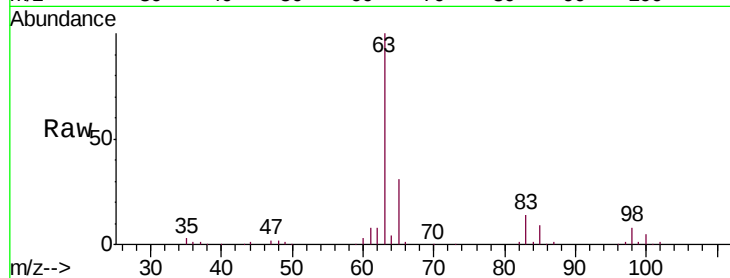
Tgt Ion: 63 Resp: 149349

Ion Ratio Lower Upper

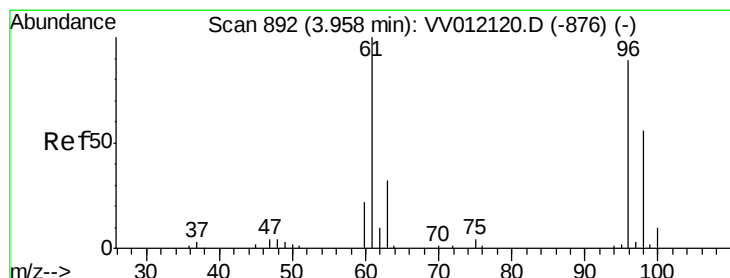
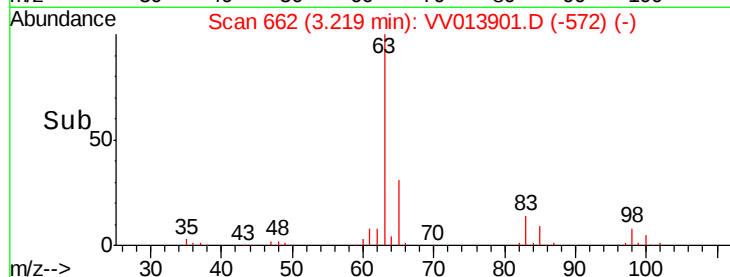
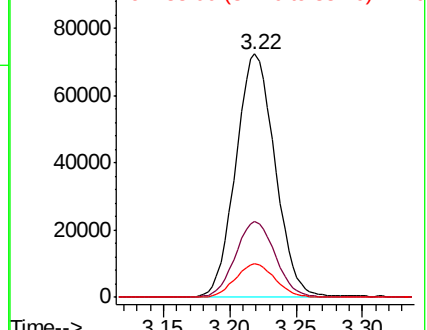
63 100

65 31.0 22.3 41.3

83 13.6 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 55.527 ug/L

RT: 3.95 min Scan# 889

Delta R.T. -0.01 min

Lab File: VV013901.D

Acq: 04 Dec 2019 13:45

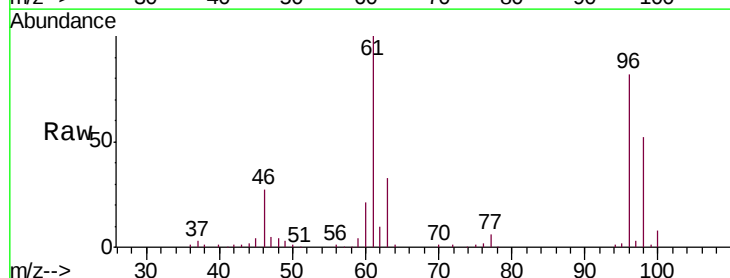
Tgt Ion: 96 Resp: 92130

Ion Ratio Lower Upper

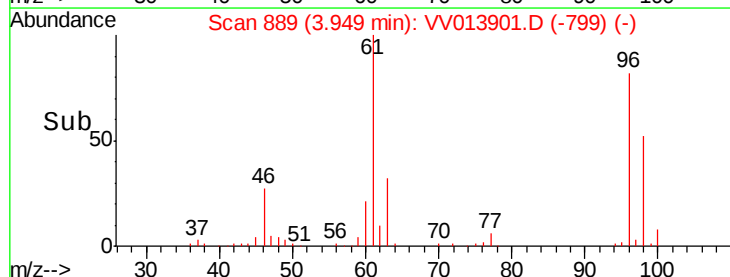
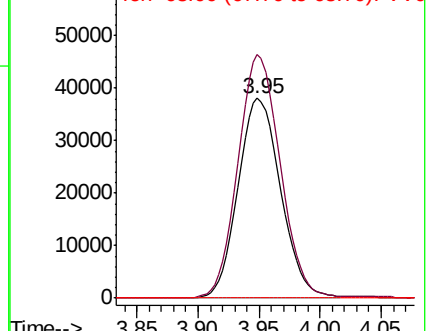
96 100

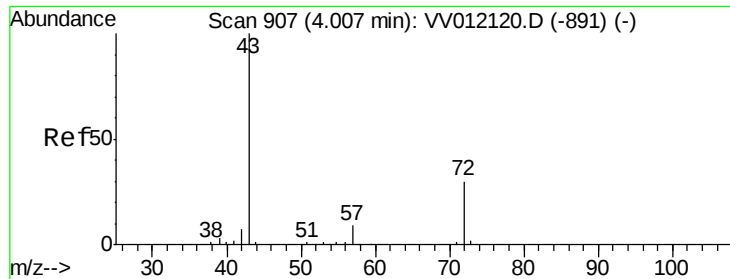
61 121.8 80.0 148.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 153.861 ug/L

RT: 4.00 min Scan# 905

Delta R.T. -0.01 min

Lab File: VV013901.D

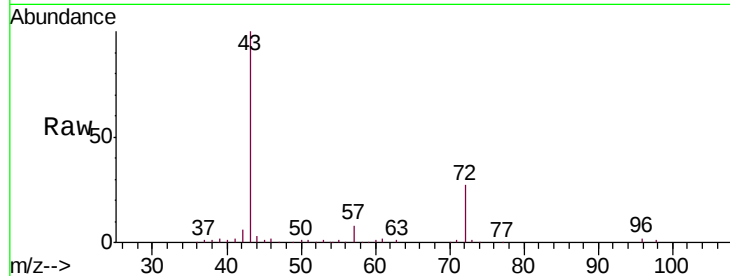
Acq: 04 Dec 2019 13:45

Tgt Ion: 43 Resp: 147855

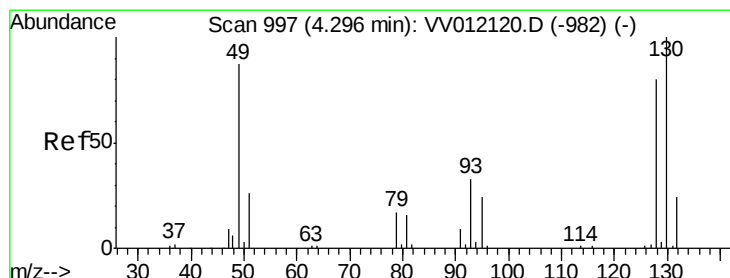
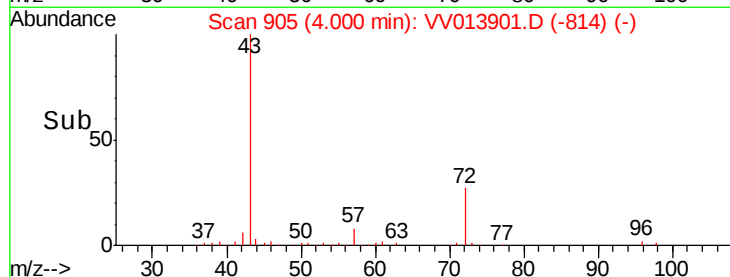
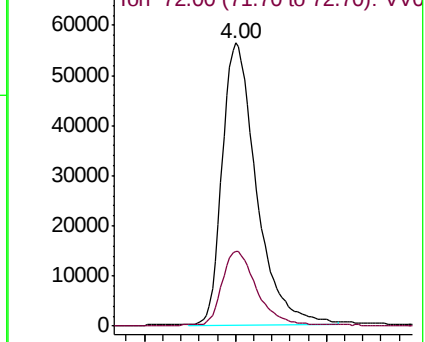
Ion Ratio Lower Upper

43 100

72 26.2 15.0 45.0



Abundance Ion 43.00 (42.70 to 43.70): VV012120.D (-891) (-)



#23

Bromochloromethane

Concen: 55.011 ug/L

RT: 4.29 min Scan# 994

Delta R.T. -0.01 min

Lab File: VV013901.D

Acq: 04 Dec 2019 13:45

Tgt Ion: 128 Resp: 50190

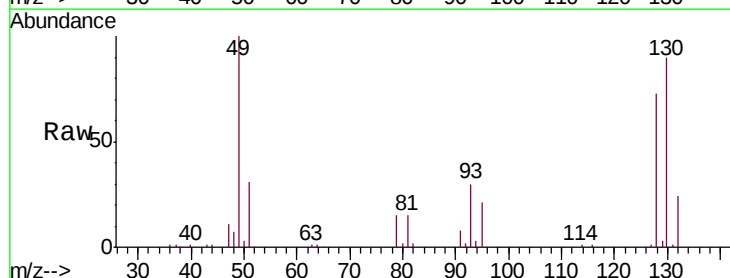
Ion Ratio Lower Upper

128 100

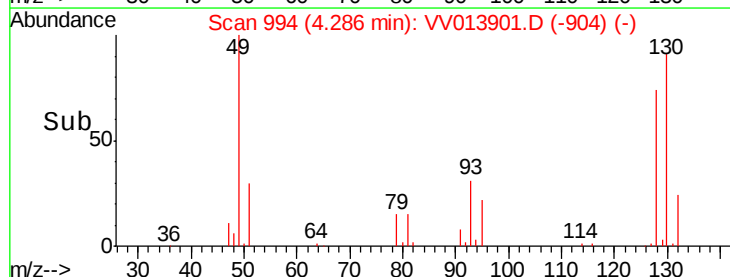
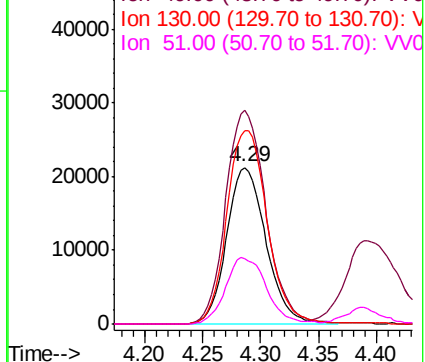
49 136.4 84.6 157.2

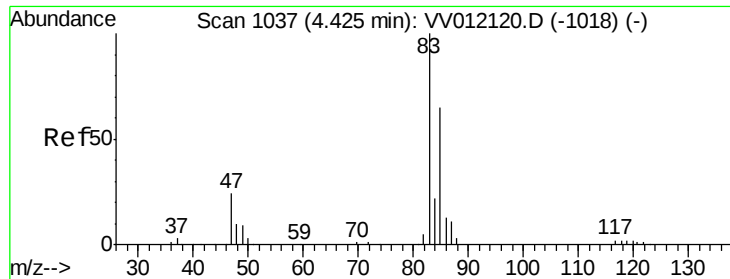
130 123.3 89.9 167.0

51 41.9 30.5 45.7



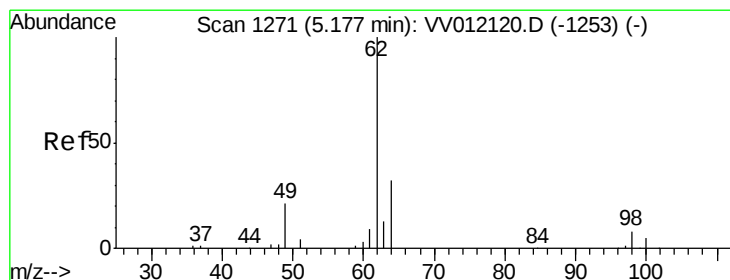
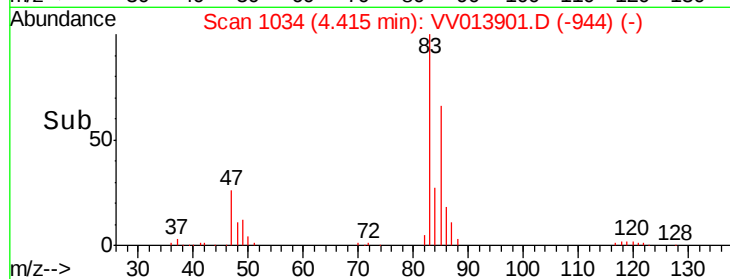
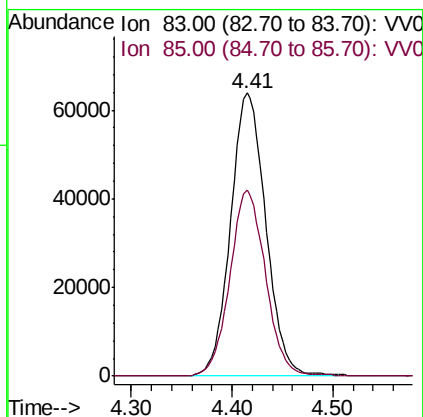
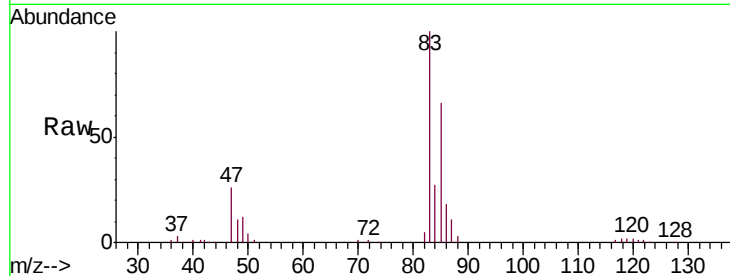
Abundance Ion 128.00 (127.70 to 128.70): VV012120.D (-982) (-)





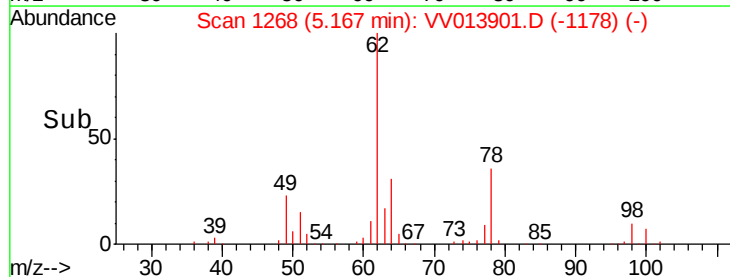
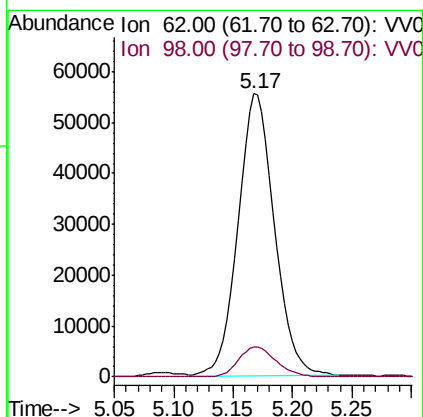
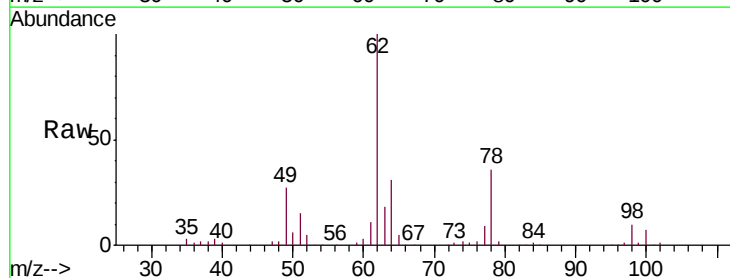
#25
Chloroform
Concen: 53.252 ug/L
RT: 4.41 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VV013901.D
Acq: 04 Dec 2019 13:45

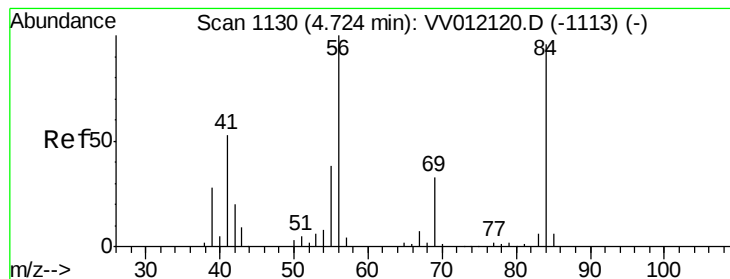
Tgt Ion: 83 Resp: 155063
Ion Ratio Lower Upper
83 100
85 65.6 45.8 85.2



#27
1,2-Dichloroethane
Concen: 51.867 ug/L
RT: 5.17 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VV013901.D
Acq: 04 Dec 2019 13:45

Tgt Ion: 62 Resp: 117384
Ion Ratio Lower Upper
62 100
98 10.5 7.5 11.3





#29

Cyclohexane

Concen: 57.631 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VV013901.D

Acq: 04 Dec 2019 13:45

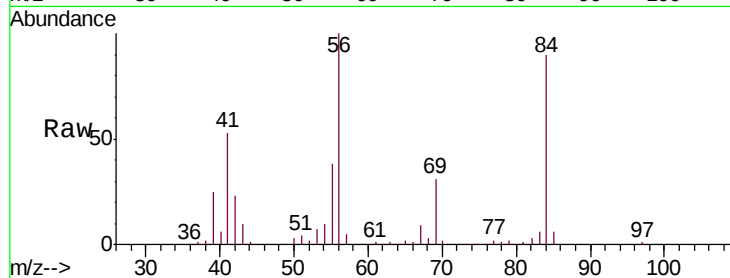
Tgt Ion: 56 Resp: 135351

Ion Ratio Lower Upper

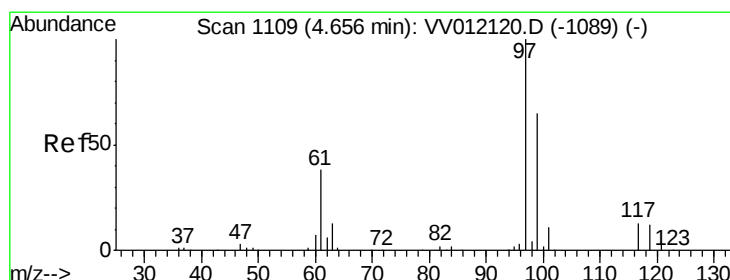
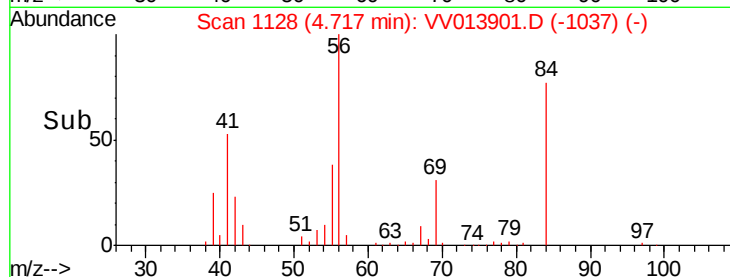
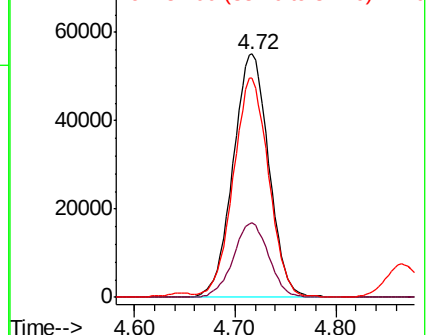
56 100

69 30.2 25.8 38.8

84 89.8 76.0 114.0



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



#30

1,1,1-Trichloroethane

Concen: 44.180 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VV013901.D

Acq: 04 Dec 2019 13:45

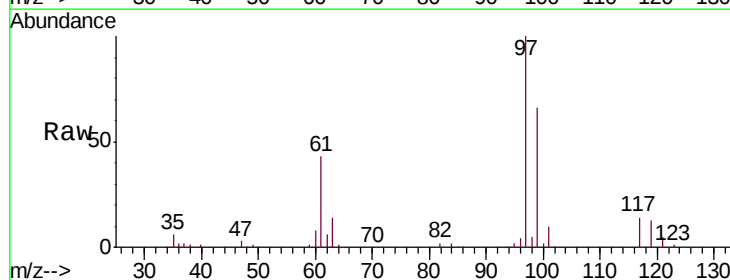
Tgt Ion: 97 Resp: 131813

Ion Ratio Lower Upper

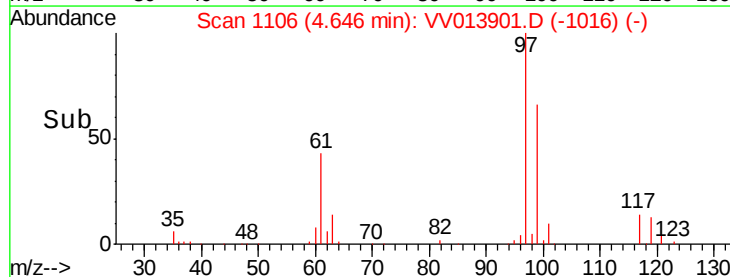
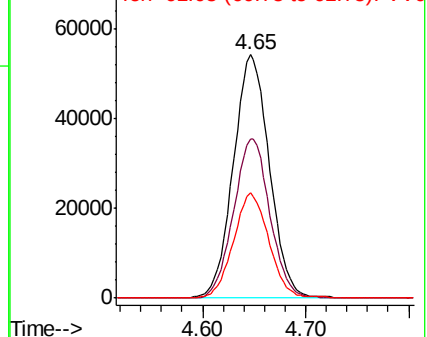
97 100

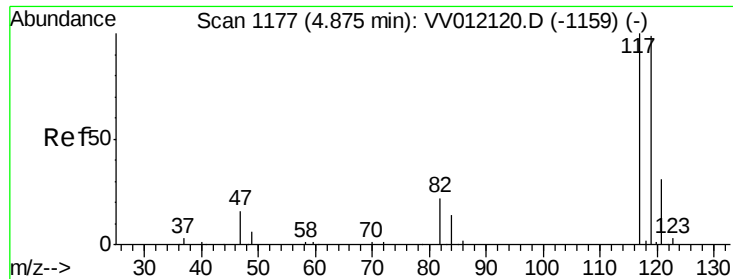
99 65.8 51.1 76.7

61 42.7 31.3 46.9



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 43.956 ug/L

RT: 4.87 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VV013901.D

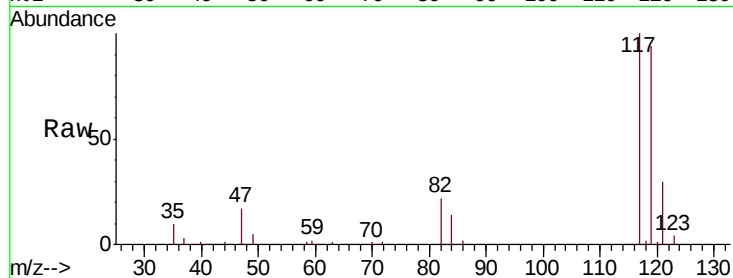
Acq: 04 Dec 2019 13:45

Tgt Ion:117 Resp: 121664

Ion Ratio Lower Upper

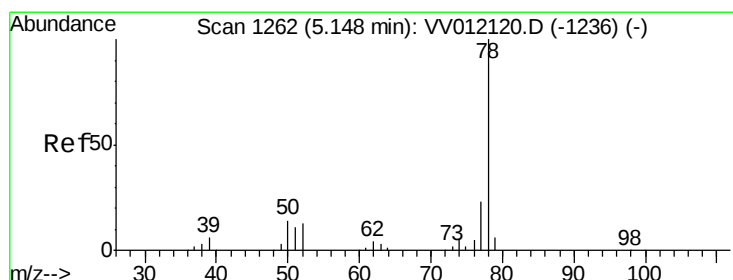
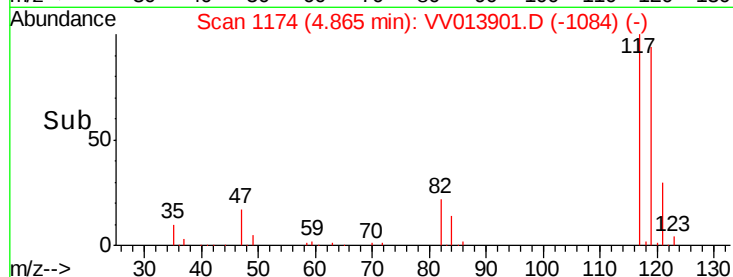
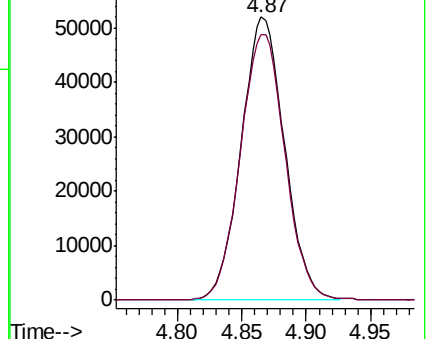
117 100

119 96.7 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 53.669 ug/L

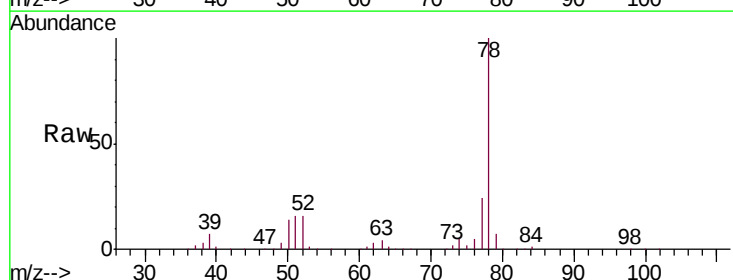
RT: 5.14 min Scan# 1259

Delta R.T. -0.01 min

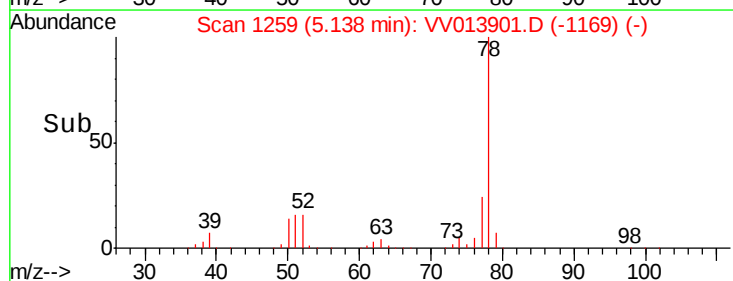
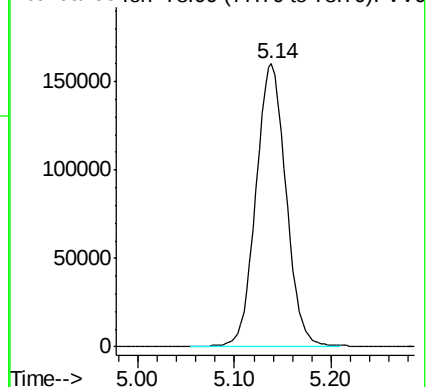
Lab File: VV013901.D

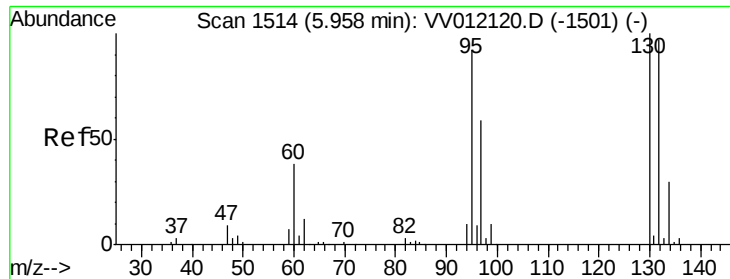
Acq: 04 Dec 2019 13:45

Tgt Ion: 78 Resp: 346987



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 50.693 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VV013901.D

Acq: 04 Dec 2019 13:45

Tgt Ion: 95 Resp: 91097

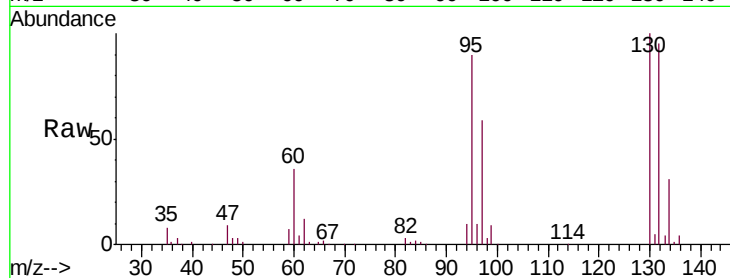
Ion Ratio Lower Upper

95 100

97 65.9 43.4 80.6

132 105.4 73.1 135.8

130 111.0 75.3 139.8

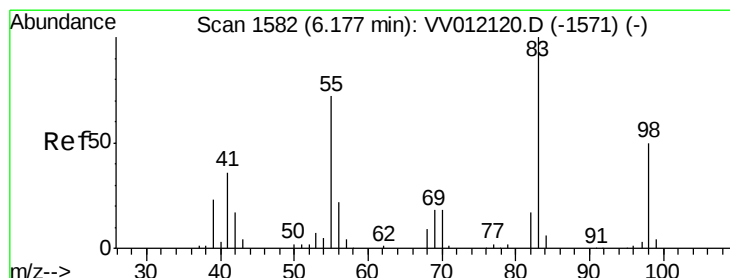
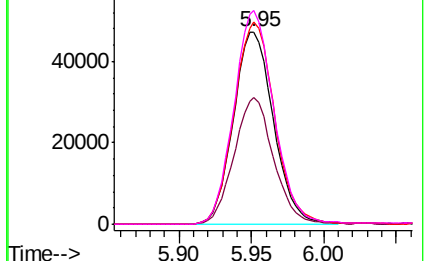
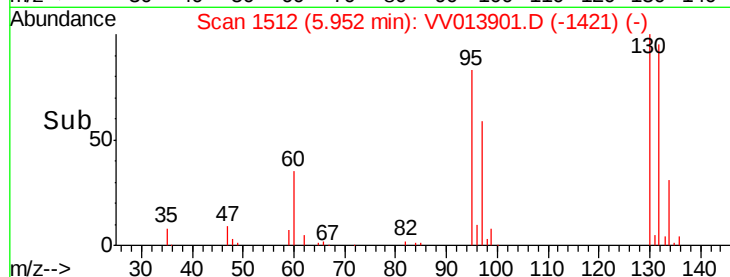


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 53.118 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. -0.01 min

Lab File: VV013901.D

Acq: 04 Dec 2019 13:45

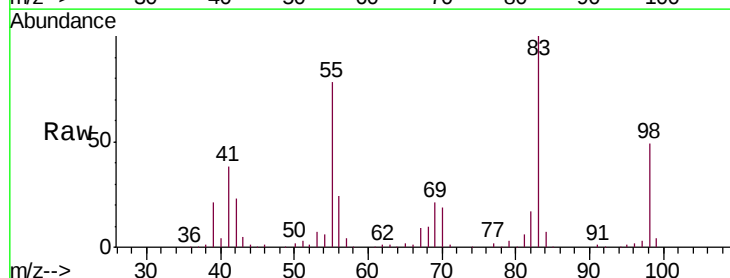
Tgt Ion: 83 Resp: 142074

Ion Ratio Lower Upper

83 100

55 77.0 55.5 83.3

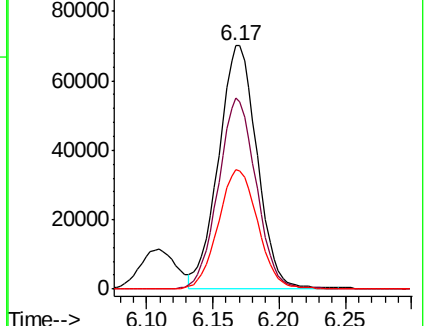
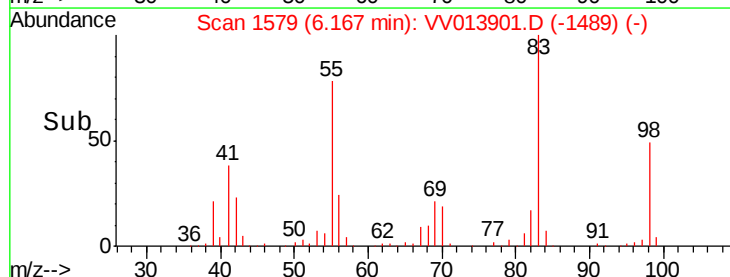
98 49.9 38.5 57.7

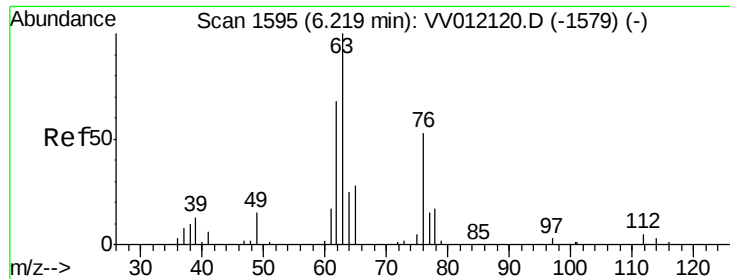


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 54.866 ug/L

RT: 6.21 min Scan# 1593

Delta R.T. -0.01 min

Lab File: VV013901.D

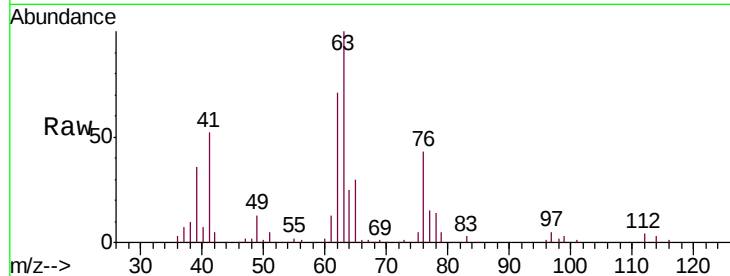
Acq: 04 Dec 2019 13:45

Tgt Ion: 63 Resp: 86522

Ion Ratio Lower Upper

63 100

112 4.7 4.2 6.2

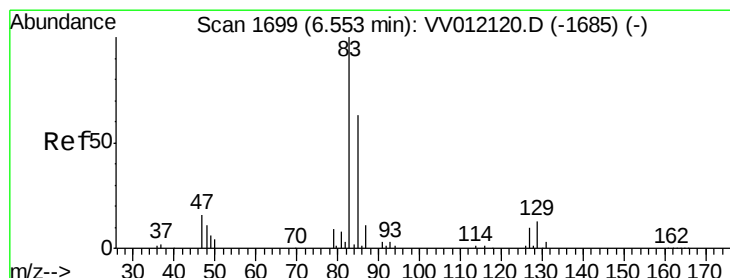
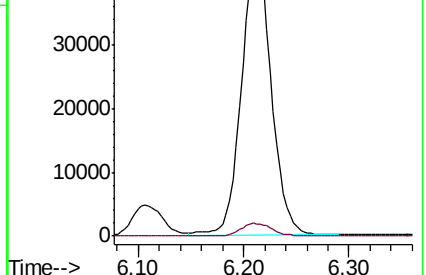
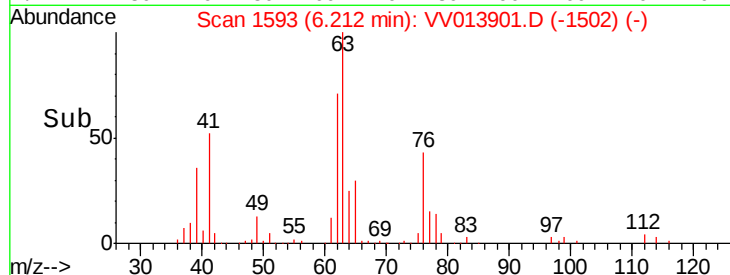


Abundance Ion 63.00 (62.70 to 63.70): VV012120.D (-1579) (-)

Ion 112.00 (111.70 to 112.70): VV012120.D (-1579) (-)

6.21

Time-->



#38

Bromodichloromethane

Concen: 46.453 ug/L

RT: 6.55 min Scan# 1697

Delta R.T. -0.01 min

Lab File: VV013901.D

Acq: 04 Dec 2019 13:45

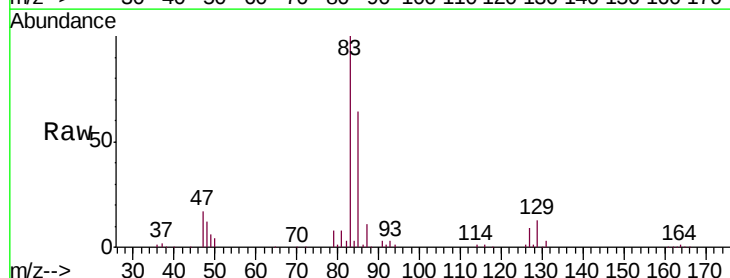
Tgt Ion: 83 Resp: 115241

Ion Ratio Lower Upper

83 100

85 63.9 45.0 83.6

127 9.4 7.9 11.9



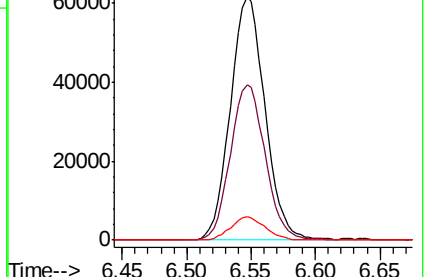
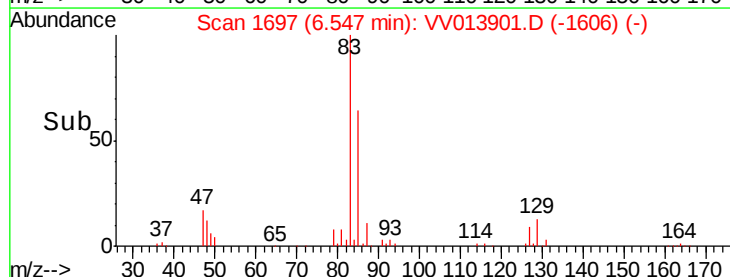
Abundance Ion 83.00 (82.70 to 83.70): VV012120.D (-1685) (-)

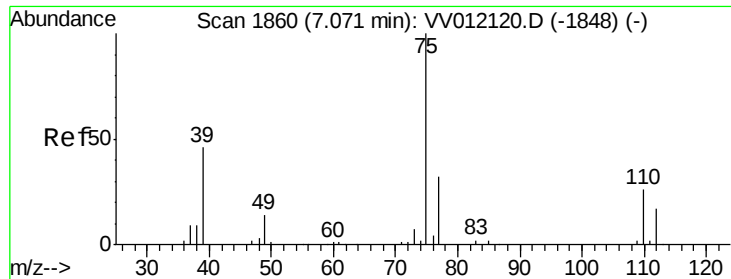
Ion 85.00 (84.70 to 85.70): VV012120.D (-1685) (-)

Ion 127.00 (126.70 to 127.70): VV012120.D (-1685) (-)

6.55

Time-->





#39

cis-1,3-Dichloropropene

Concen: 48.422 ug/L

RT: 7.06 min Scan# 1858

Delta R.T. -0.01 min

Lab File: VV013901.D

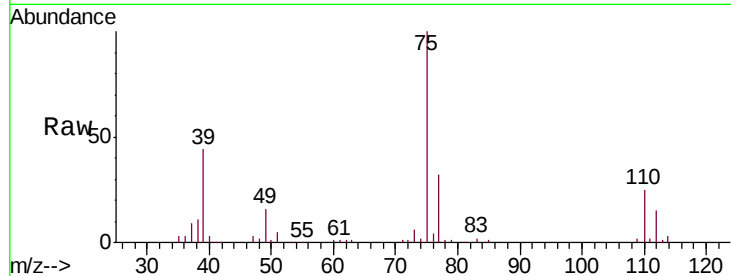
Acq: 04 Dec 2019 13:45

Tgt Ion: 75 Resp: 134627

Ion Ratio Lower Upper

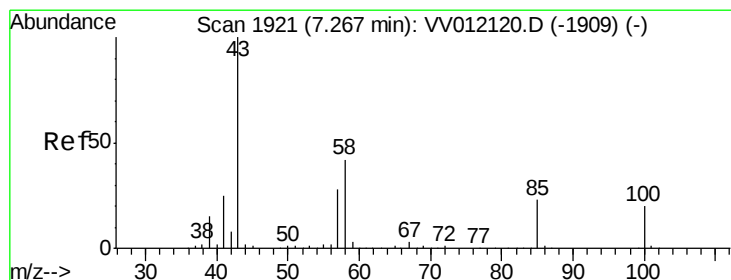
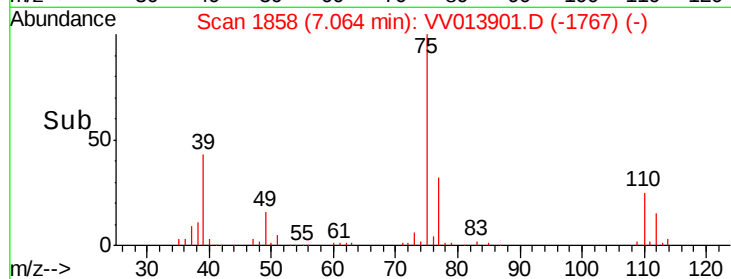
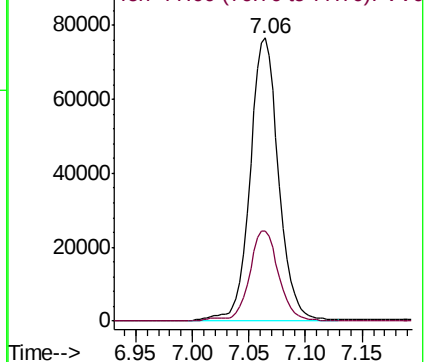
75 100

77 31.9 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#40

4-Methyl-2-pentanone

Concen: 114.921 ug/L

RT: 7.26 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VV013901.D

Acq: 04 Dec 2019 13:45

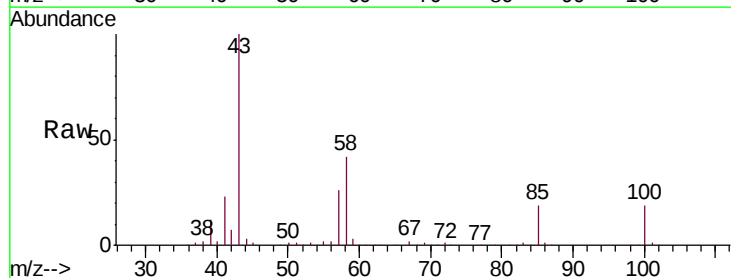
Tgt Ion: 43 Resp: 233248

Ion Ratio Lower Upper

43 100

58 40.9 33.4 50.2

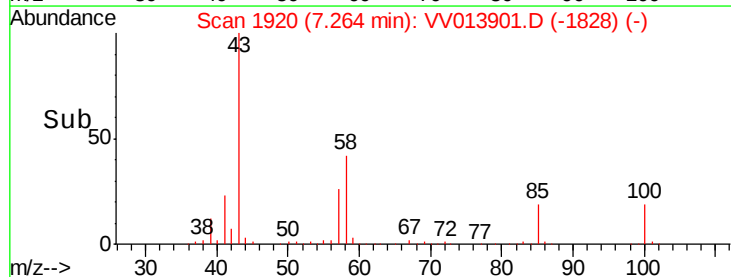
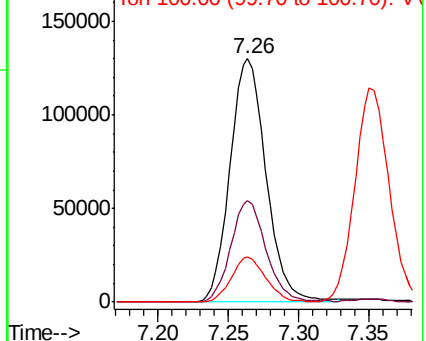
100 17.7 15.0 22.4

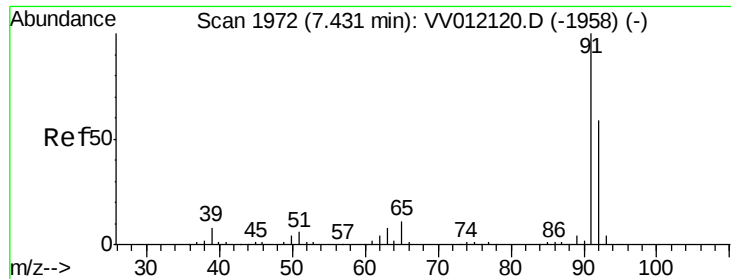


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#42

Toluene

Concen: 51.747 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.01 min

Lab File: VV013901.D

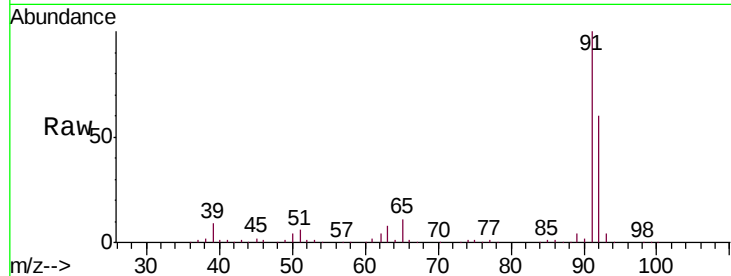
Acq: 04 Dec 2019 13:45

Tgt Ion: 91 Resp: 371748

Ion Ratio Lower Upper

91 100

92 59.9 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV012120.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV012120.D (-1958) (-)

7.42

250000

200000

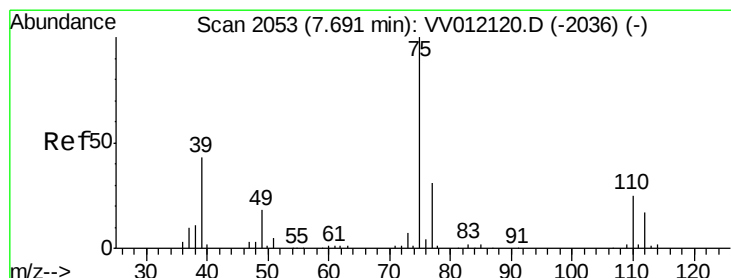
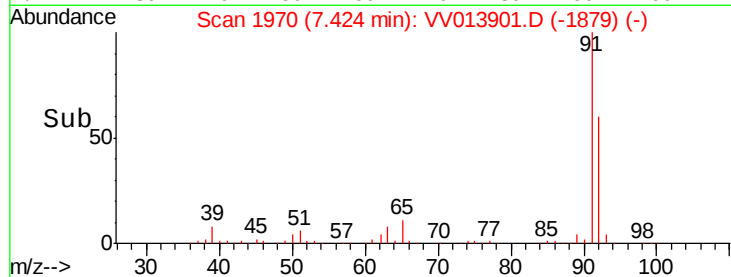
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 46.112 ug/L

RT: 7.68 min Scan# 2051

Delta R.T. -0.01 min

Lab File: VV013901.D

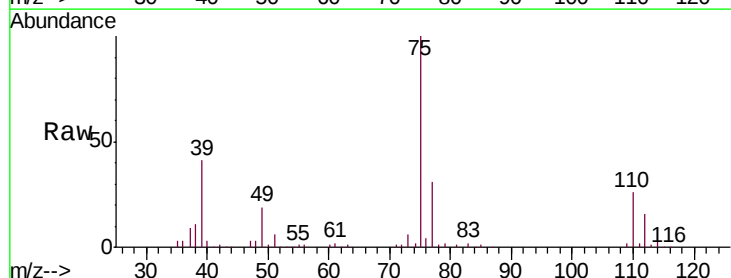
Acq: 04 Dec 2019 13:45

Tgt Ion: 75 Resp: 121021

Ion Ratio Lower Upper

75 100

77 31.3 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV012120.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV012120.D (-2036) (-)

7.68

80000

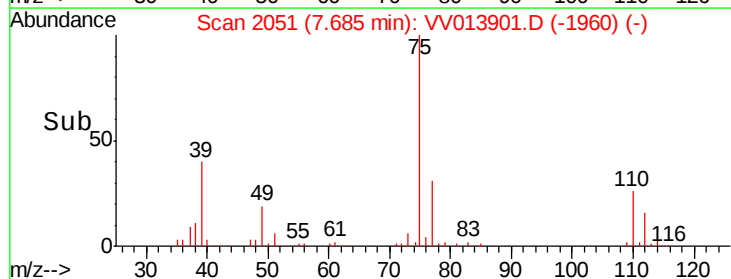
60000

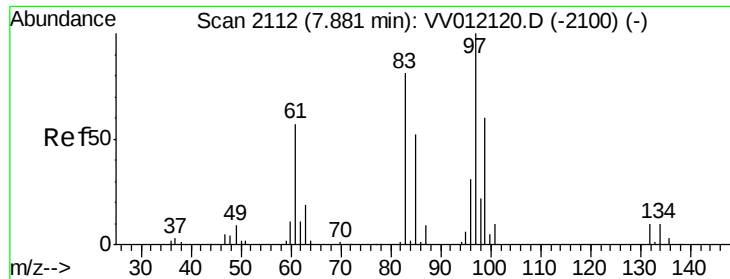
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 52.420 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VV013901.D

Acq: 04 Dec 2019 13:45

Tgt Ion: 97 Resp: 89110

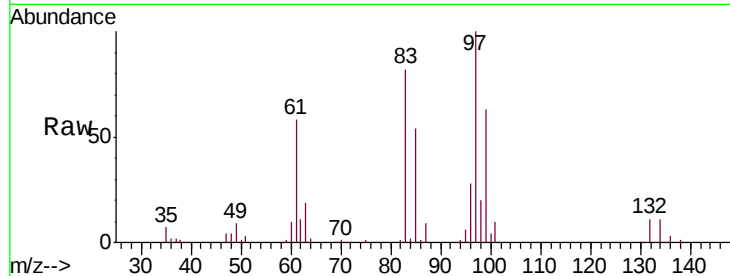
Ion Ratio Lower Upper

97 100

99 63.0 47.2 87.6

83 82.0 58.0 107.6

85 53.9 38.0 70.6

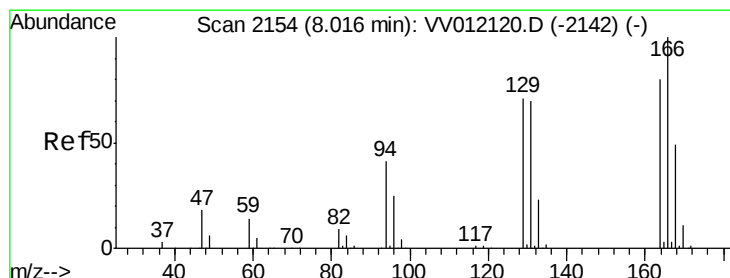
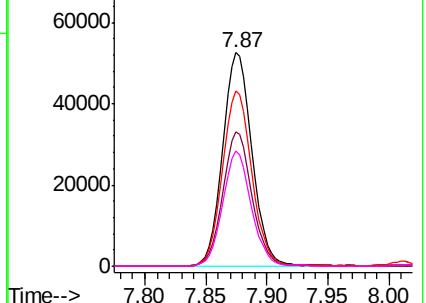
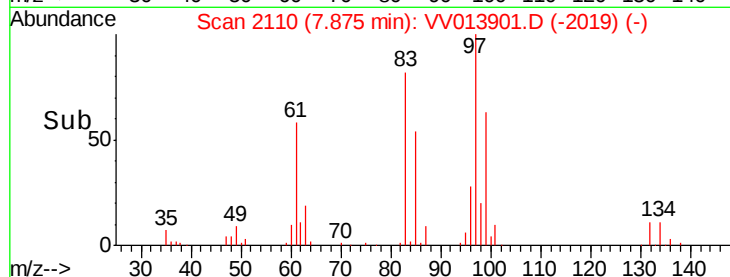


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 51.219 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV013901.D

Acq: 04 Dec 2019 13:45

Tgt Ion: 164 Resp: 85757

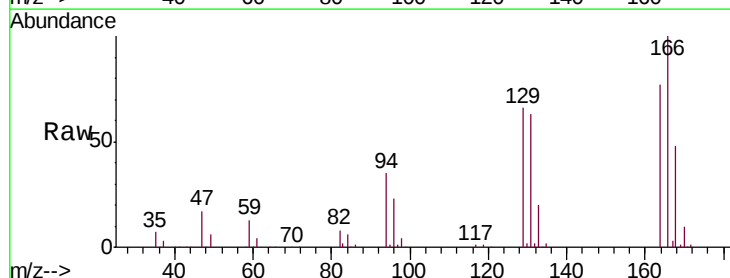
Ion Ratio Lower Upper

164 100

129 85.9 64.3 119.5

131 82.0 60.1 111.7

166 129.5 91.8 170.6

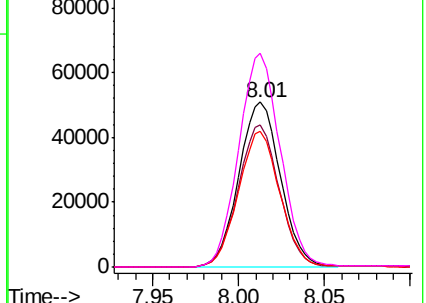
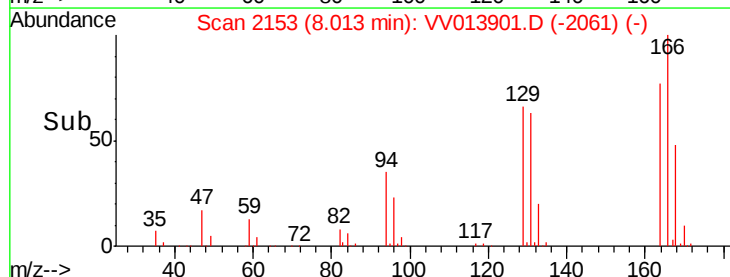


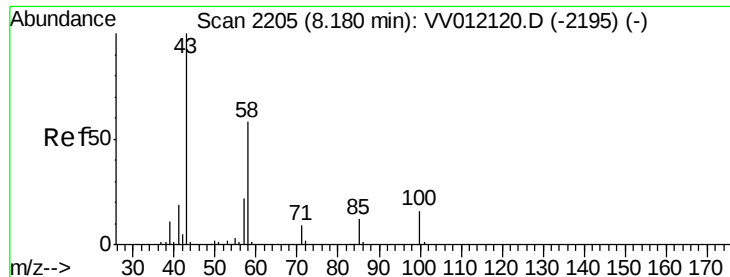
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

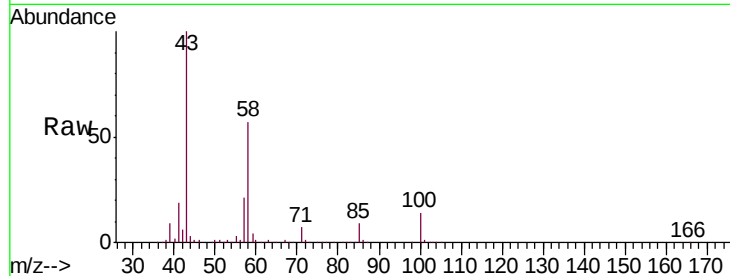
Ion 166.00 (165.70 to 166.70): V



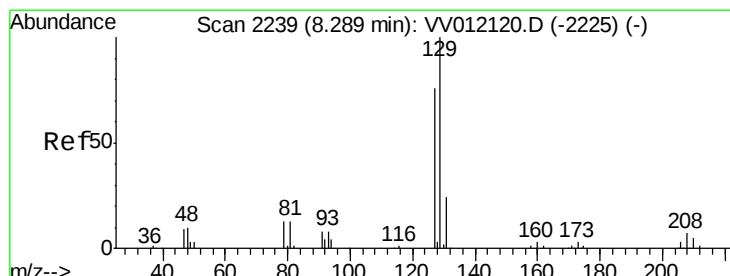
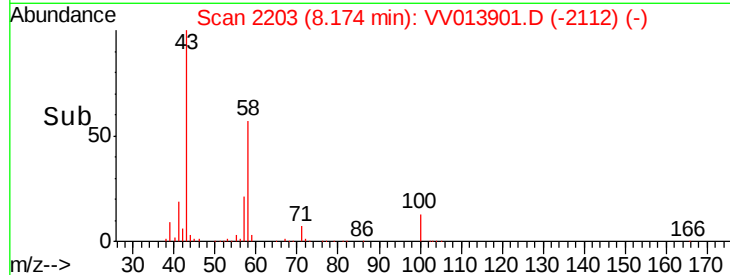
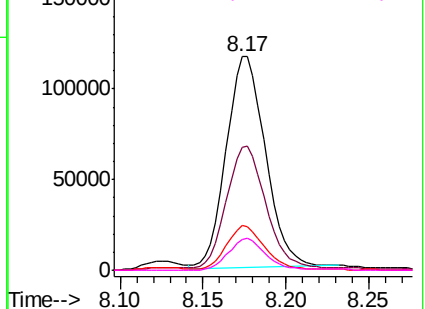


#48
2-Hexanone
Concen: 125.510 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VV013901.D
Acq: 04 Dec 2019 13:45

Tgt Ion:	43	Resp:	192051
Ion	Ratio	Lower	Upper
43	100		
58	58.0	45.6	68.4
57	20.6	17.0	25.6
100	14.5	11.5	17.3

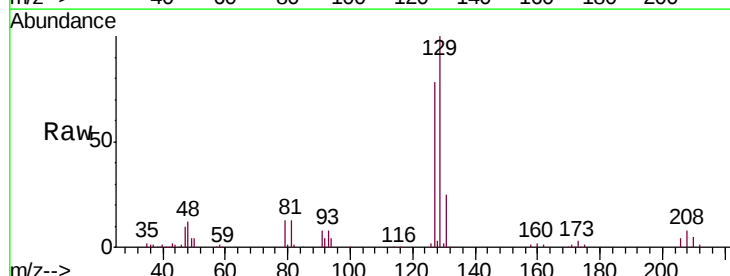


Abundance Ion 43.00 (42.70 to 43.70): VV012120.D (-2195) (-)
Ion 58.00 (57.70 to 58.70): VV012120.D (-2195) (-)
Ion 57.00 (56.70 to 57.70): VV012120.D (-2195) (-)
Ion 100.00 (99.70 to 100.70): VV012120.D (-2195) (-)

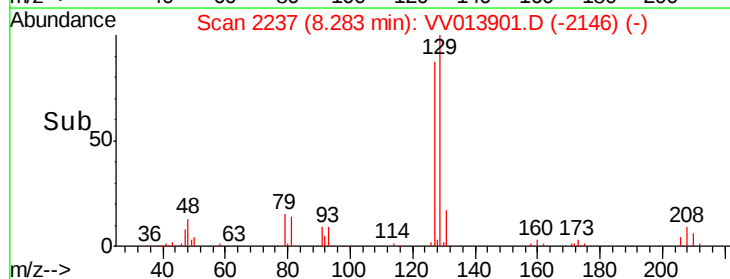
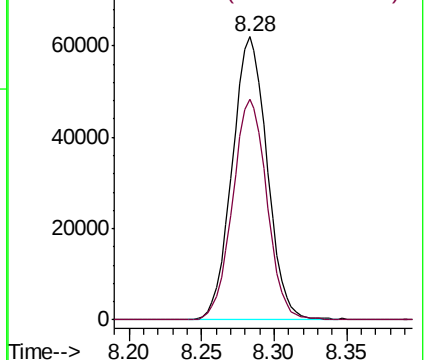


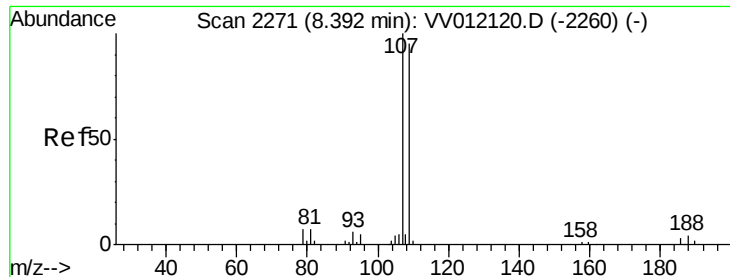
#49
Dibromochloromethane
Concen: 46.962 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.01 min
Lab File: VV013901.D
Acq: 04 Dec 2019 13:45

Tgt Ion:	129	Resp:	103594
Ion	Ratio	Lower	Upper
129	100		
127	78.0	53.8	100.0



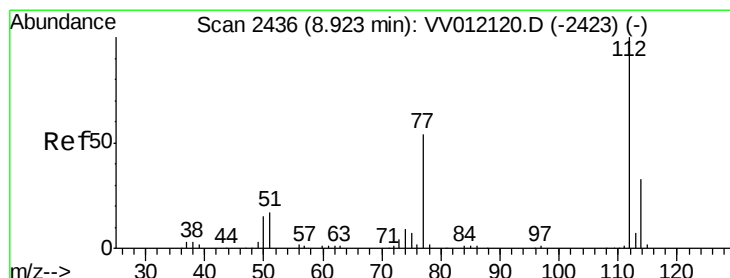
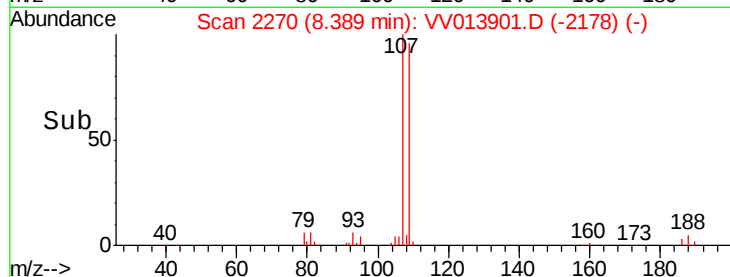
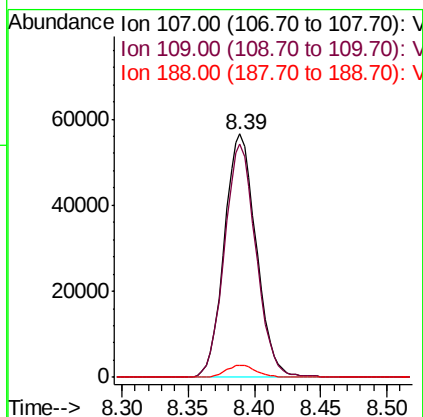
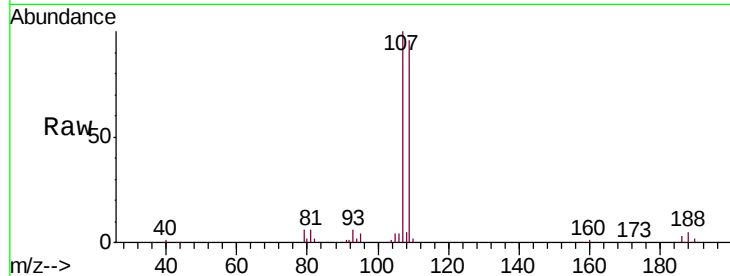
Abundance Ion 129.00 (128.70 to 129.70): VV012120.D (-2225) (-)
Ion 127.00 (126.70 to 127.70): VV012120.D (-2225) (-)





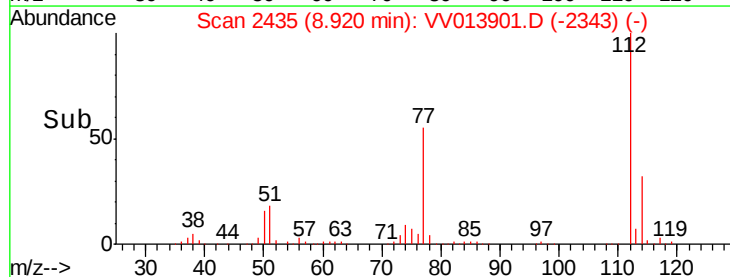
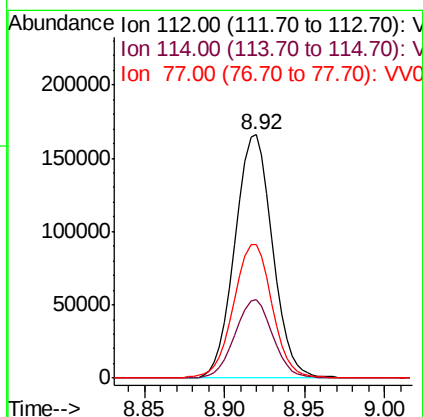
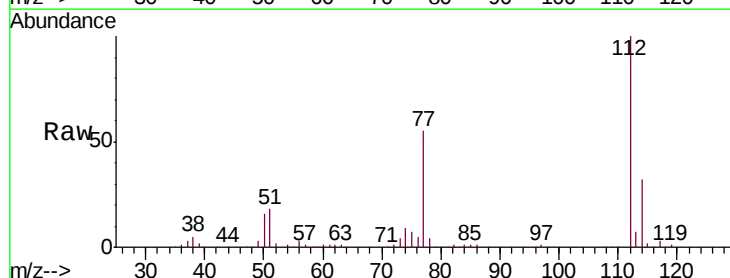
#50
1,2-Dibromoethane
Concen: 50.263 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VV013901.D
Acq: 04 Dec 2019 13:45

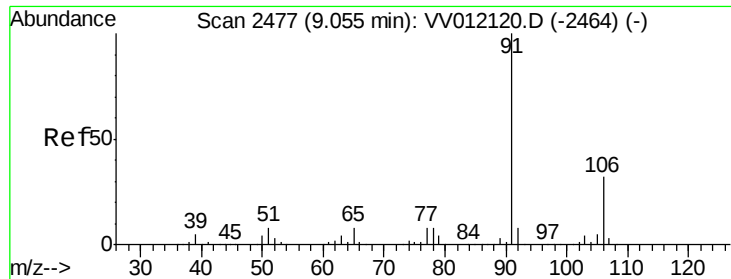
Tgt Ion:107 Resp: 94494
Ion Ratio Lower Upper
107 100
109 96.0 67.0 124.4
188 5.1 3.9 5.9



#51
Chlorobenzene
Concen: 54.960 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV013901.D
Acq: 04 Dec 2019 13:45

Tgt Ion:112 Resp: 266199
Ion Ratio Lower Upper
112 100
114 32.2 22.8 42.4
77 54.9 44.7 67.1





#52

Ethylbenzene

Concen: 53.198 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. -0.01 min

Lab File: VV013901.D

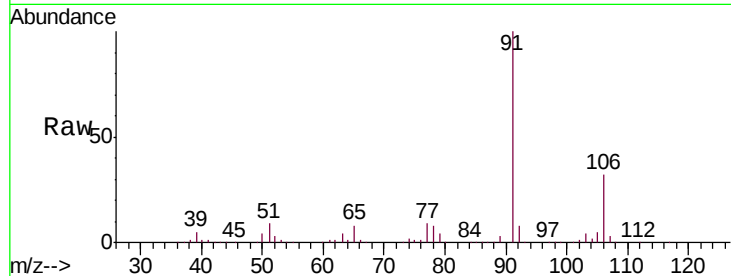
Acq: 04 Dec 2019 13:45

Tgt Ion: 91 Resp: 428812

Ion Ratio Lower Upper

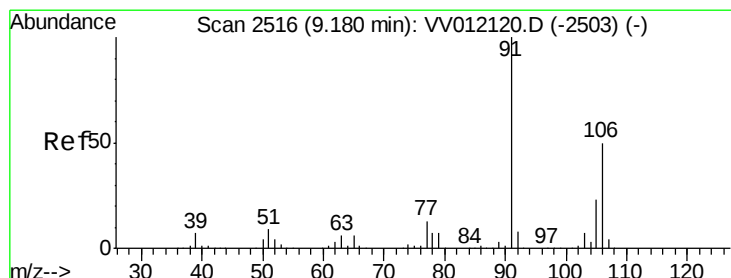
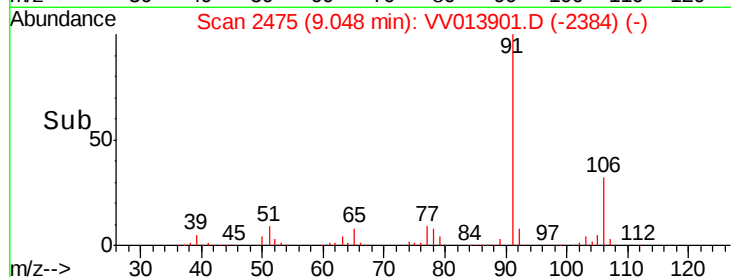
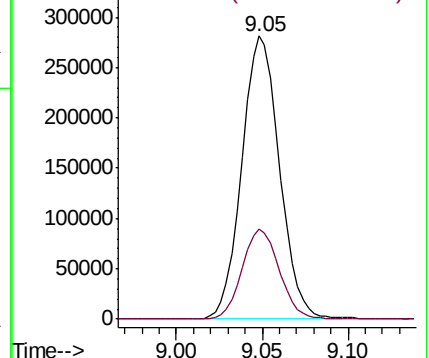
91 100

106 31.7 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 53.861 ug/L

RT: 9.17 min Scan# 2514

Delta R.T. -0.01 min

Lab File: VV013901.D

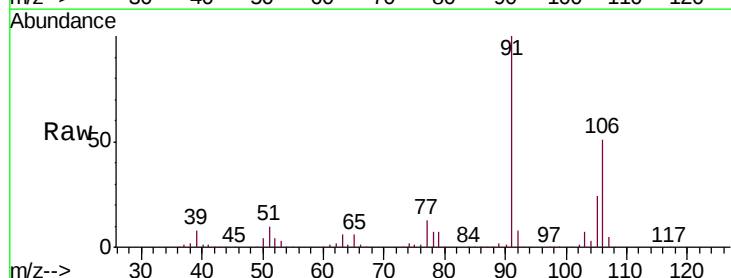
Acq: 04 Dec 2019 13:45

Tgt Ion: 106 Resp: 167486

Ion Ratio Lower Upper

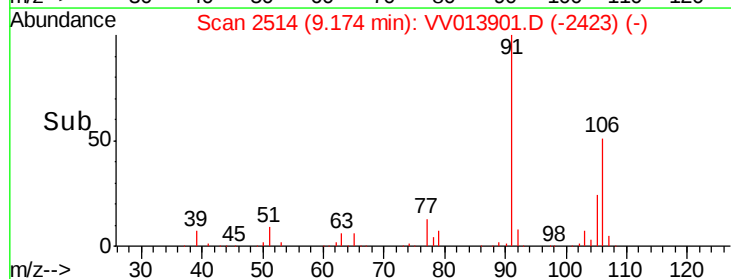
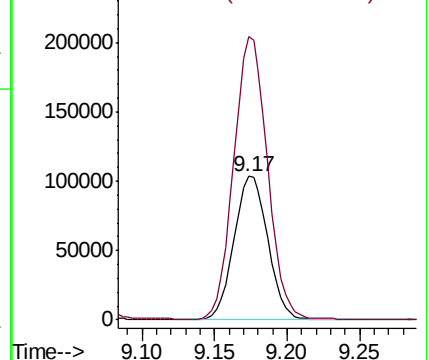
106 100

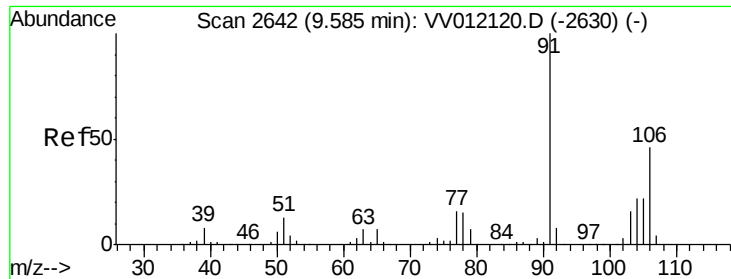
91 196.8 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): V

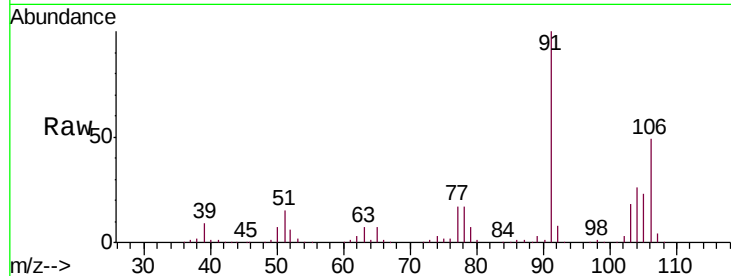
Ion 91.00 (90.70 to 91.70): VV0



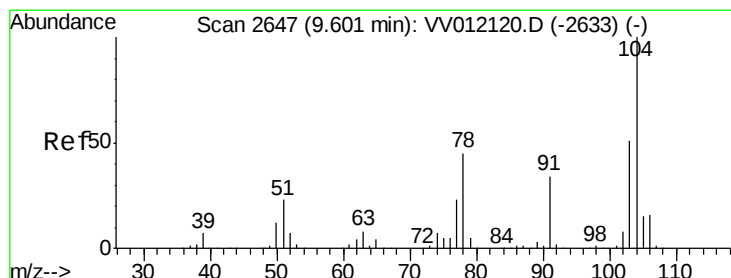
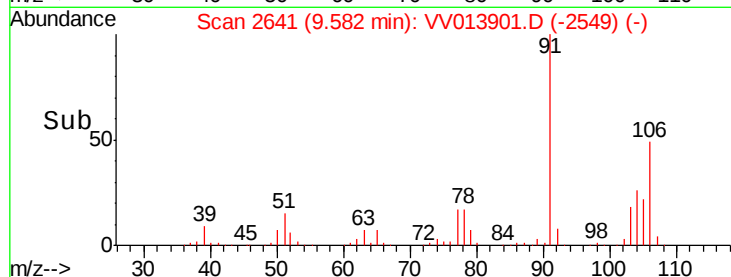
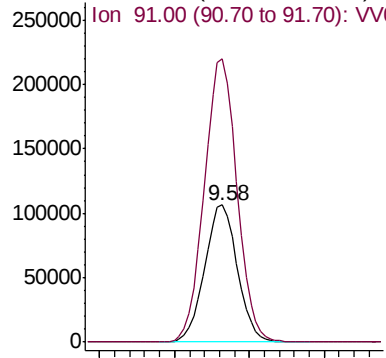


#54
o-Xylene
Concen: 52.531 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV013901.D
Acq: 04 Dec 2019 13:45

Tgt Ion:106 Resp: 162091
Ion Ratio Lower Upper
106 100
91 206.0 150.4 279.2

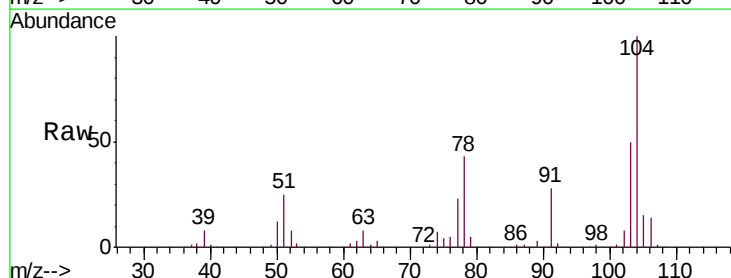


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

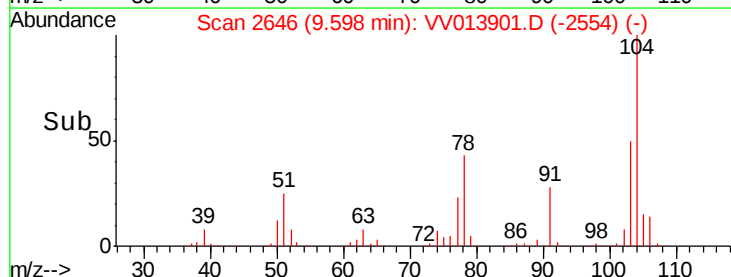
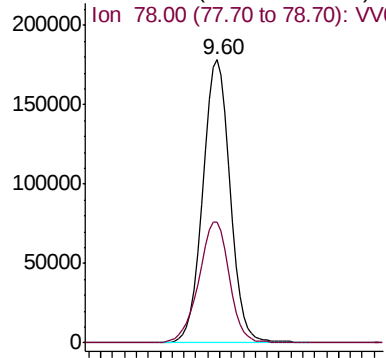


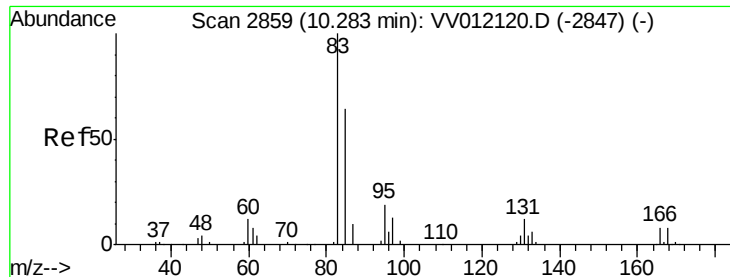
#55
Styrene
Concen: 54.740 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV013901.D
Acq: 04 Dec 2019 13:45

Tgt Ion:104 Resp: 284537
Ion Ratio Lower Upper
104 100
78 42.7 32.0 59.4



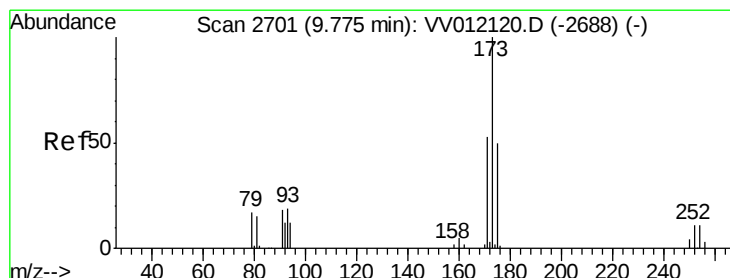
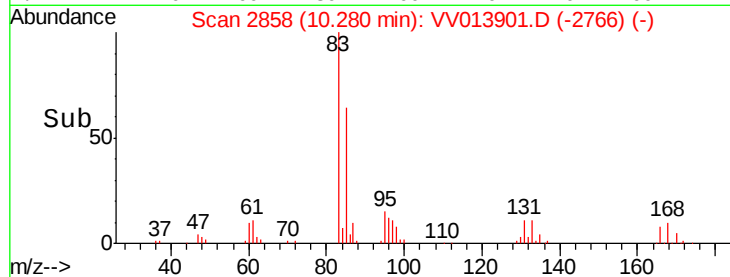
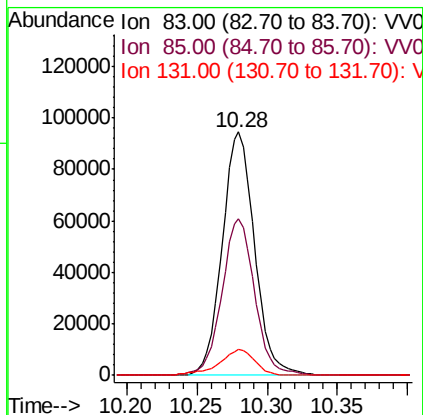
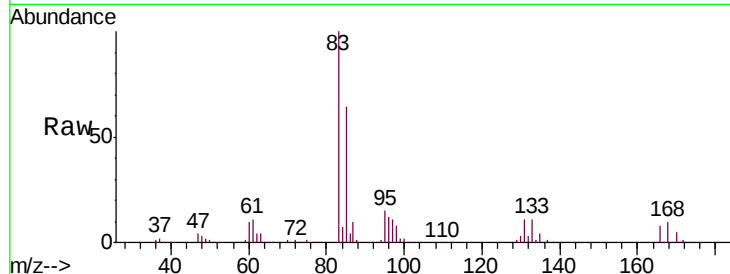
Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





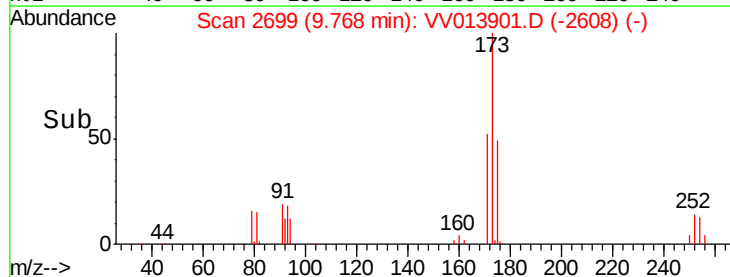
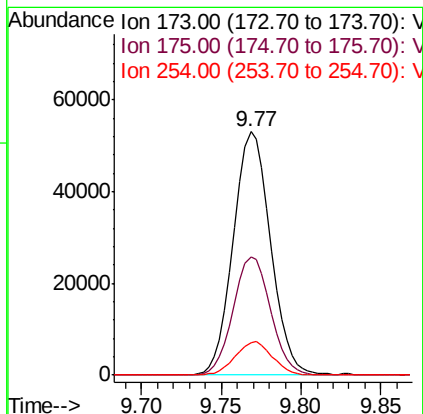
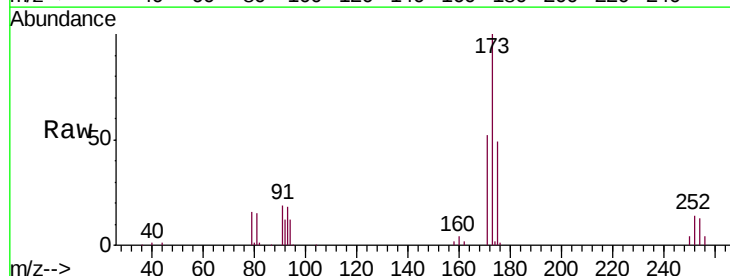
#57
 1,1,2,2-Tetrachloroethane
 Concen: 57.903 ug/L
 RT: 10.28 min Scan# 2858
 Delta R.T. -0.00 min
 Lab File: VV013901.D
 Acq: 04 Dec 2019 13:45

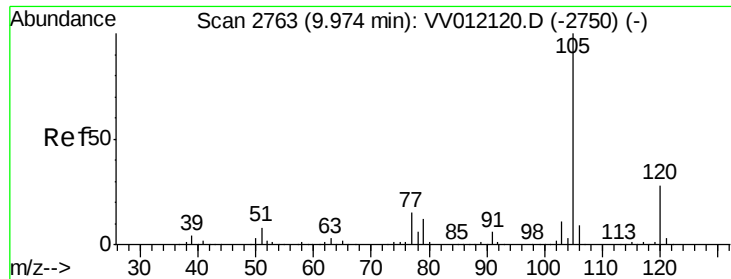
Tgt Ion:	83	Resp:	151365
Ion	Ratio	Lower	Upper
83	100		
85	64.5	44.6	82.8
131	10.6	9.3	13.9



#59
 Bromoform
 Concen: 48.975 ug/L
 RT: 9.77 min Scan# 2699
 Delta R.T. -0.01 min
 Lab File: VV013901.D
 Acq: 04 Dec 2019 13:45

Tgt Ion:	173	Resp:	84292
Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.3	57.5
254	13.5	8.9	13.3#





#60

Isopropylbenzene

Concen: 52.939 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.01 min

Lab File: VV013901.D

Acq: 04 Dec 2019 13:45

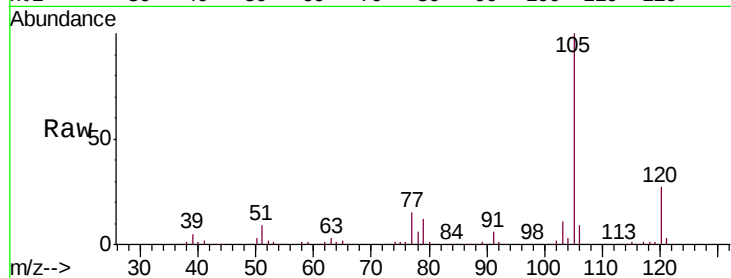
Tgt Ion: 105 Resp: 425223

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.0

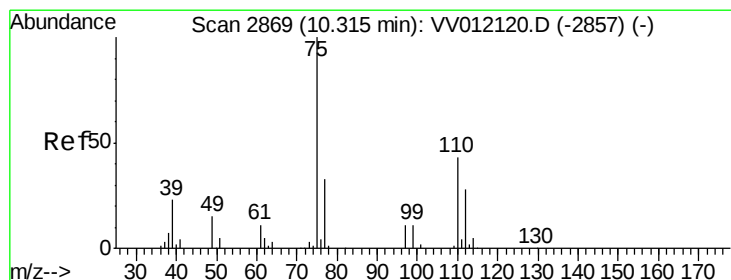
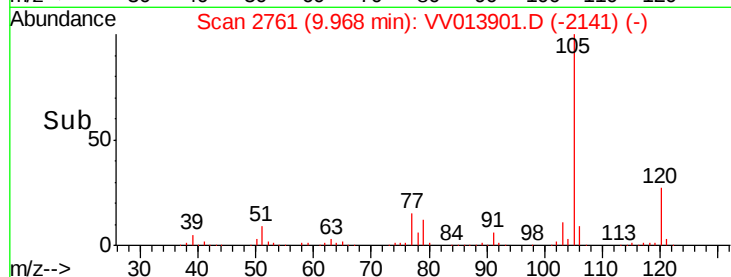
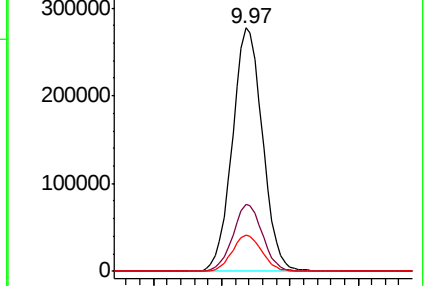
77 14.8 11.6 17.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 61.885 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV013901.D

Acq: 04 Dec 2019 13:45

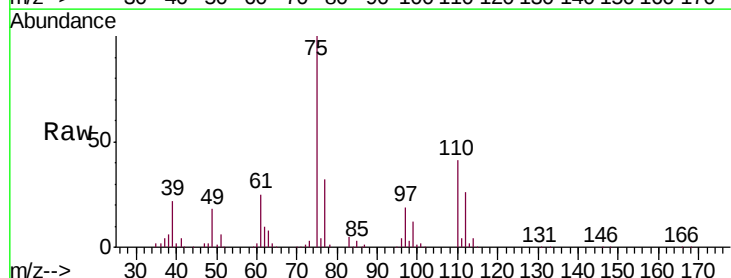
Tgt Ion: 75 Resp: 123302

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5

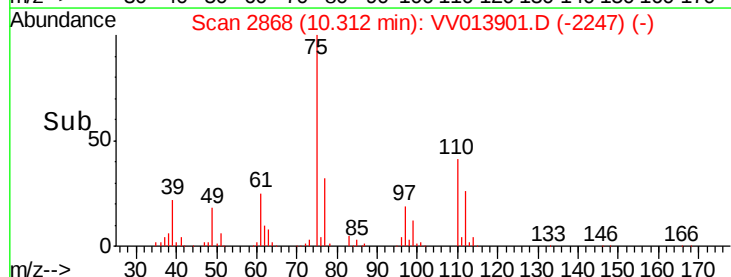
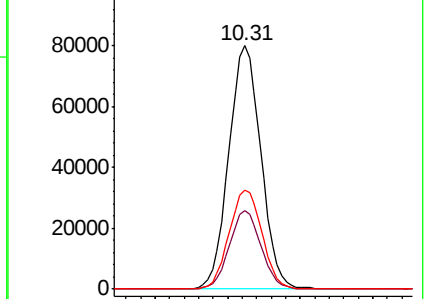
110 41.7 34.2 51.4

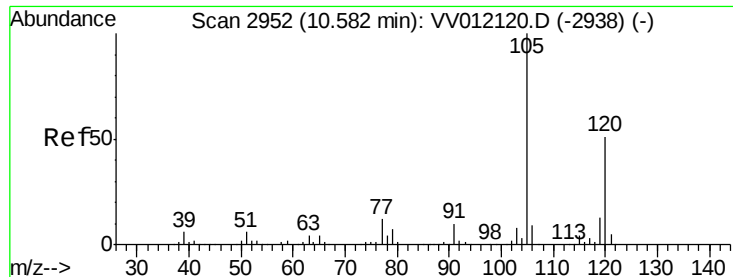


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

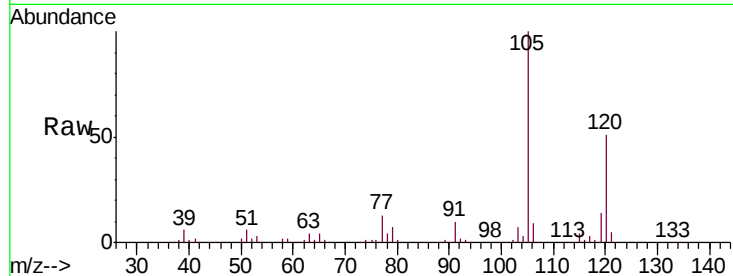




#62

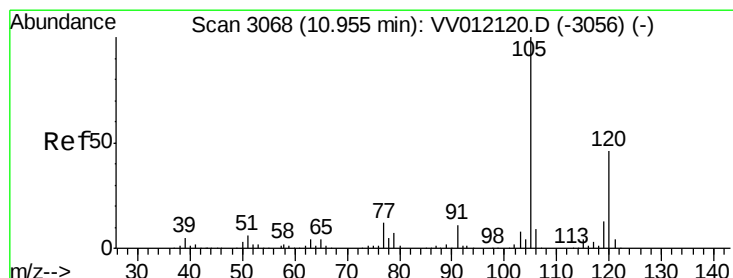
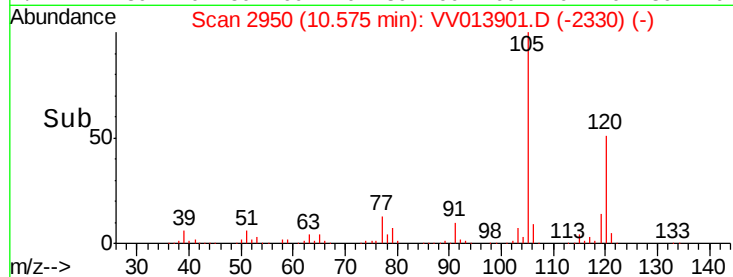
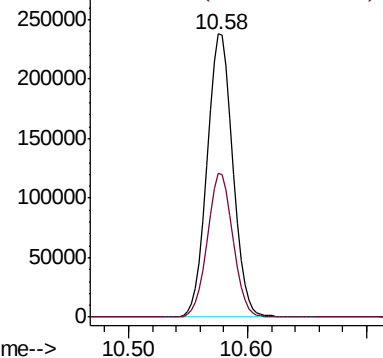
1,3,5-Trimethylbenzene
Concen: 51.412 ug/L
RT: 10.58 min Scan# 2950
Delta R.T. -0.01 min
Lab File: VV013901.D
Acq: 04 Dec 2019 13:45

Tgt Ion:105 Resp: 357003
Ion Ratio Lower Upper
105 100
120 50.4 39.2 58.8



Abundance Ion 105.00 (104.70 to 105.70): V

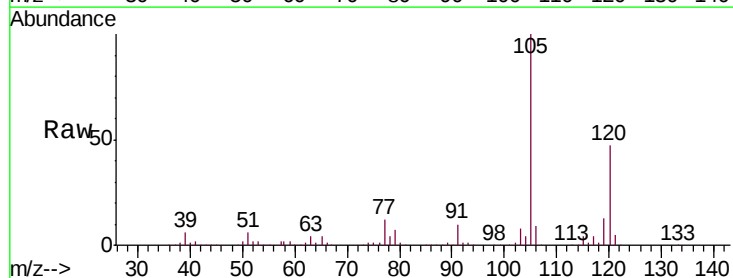
Ion 120.00 (119.70 to 120.70): V



#63

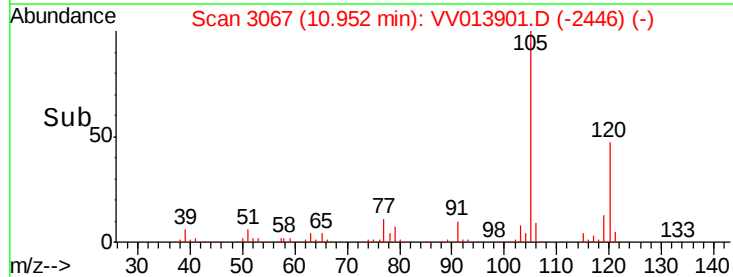
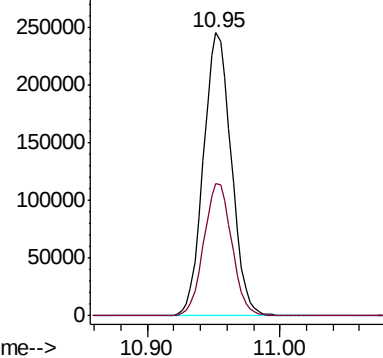
1,2,4-Trimethylbenzene
Concen: 52.222 ug/L
RT: 10.95 min Scan# 3067
Delta R.T. -0.00 min
Lab File: VV013901.D
Acq: 04 Dec 2019 13:45

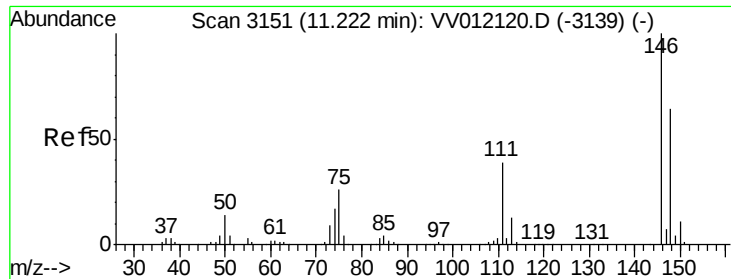
Tgt Ion:105 Resp: 357905
Ion Ratio Lower Upper
105 100
120 47.1 36.7 55.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 53.409 ug/L

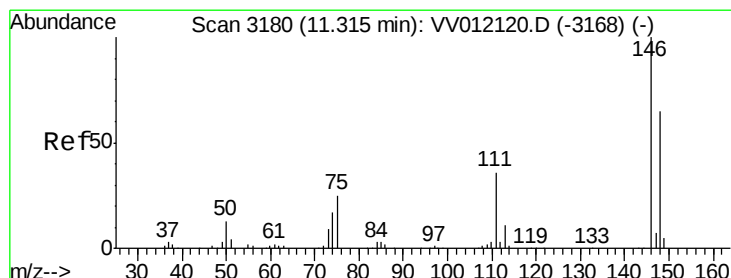
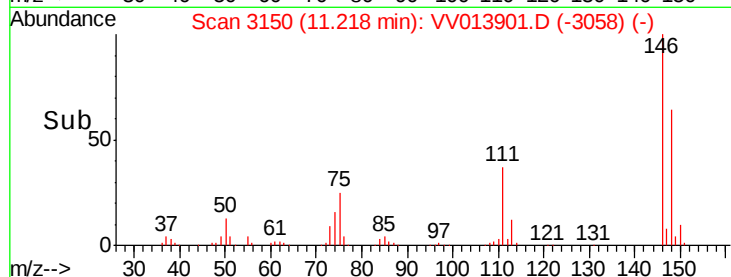
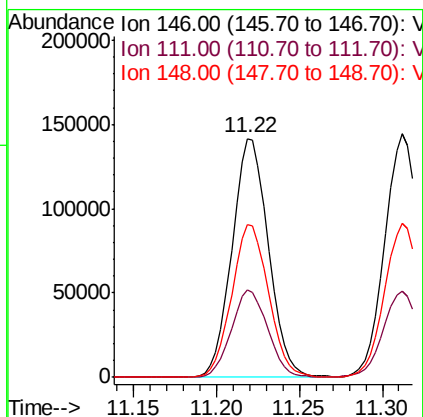
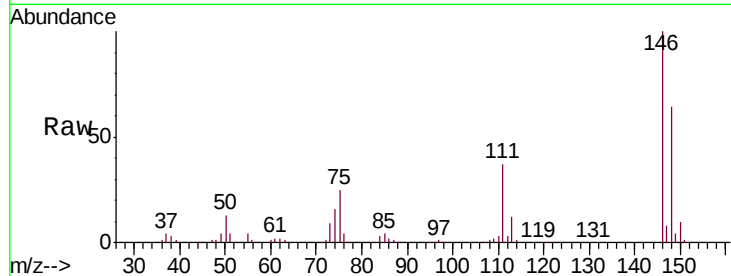
RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV013901.D

Acq: 04 Dec 2019 13:45

Tgt Ion:	146	Resp:	216455
Ion	Ratio	Lower	Upper
146	100		
111	36.6	26.8	49.8
148	64.2	44.6	82.8



#65

1,4-Dichlorobenzene

Concen: 53.154 ug/L

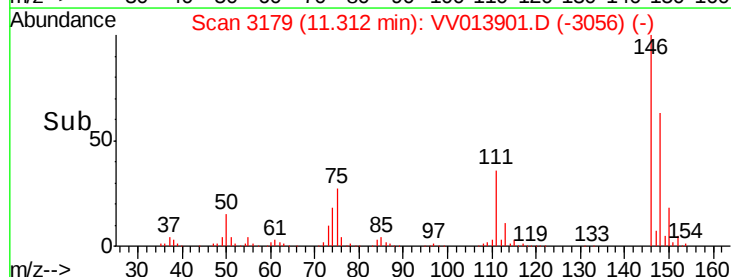
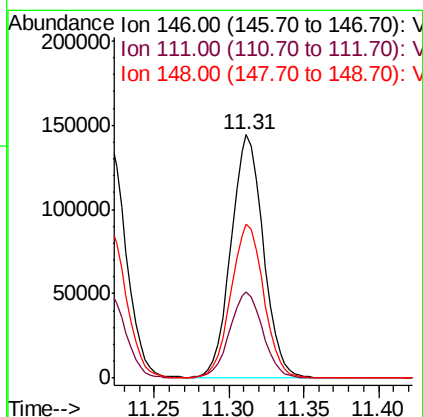
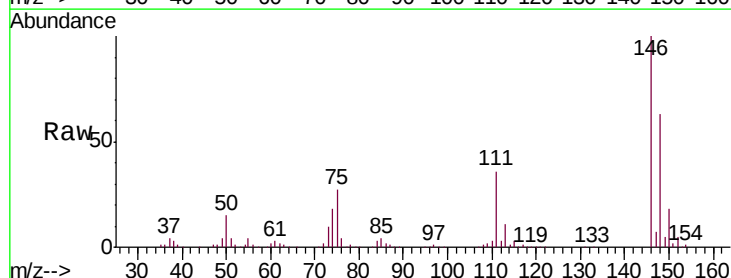
RT: 11.31 min Scan# 3179

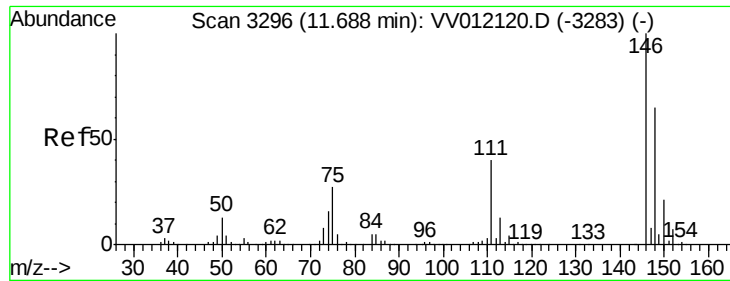
Delta R.T. -0.00 min

Lab File: VV013901.D

Acq: 04 Dec 2019 13:45

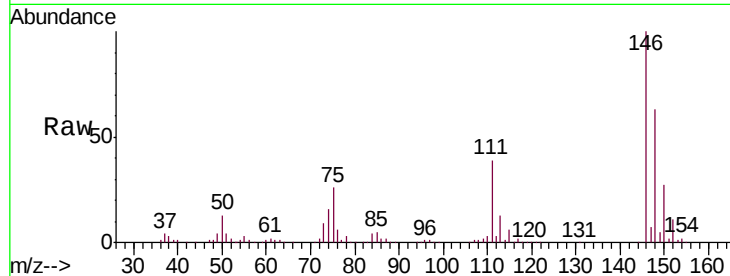
Tgt Ion:	146	Resp:	217746
Ion	Ratio	Lower	Upper
146	100		
111	35.5	25.8	47.8
148	63.1	45.2	84.0



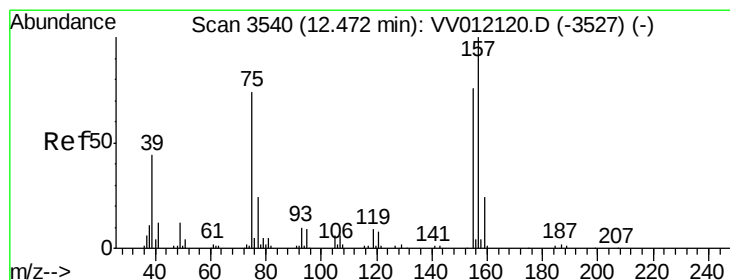
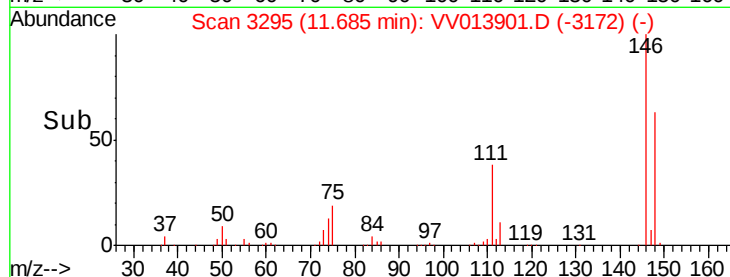
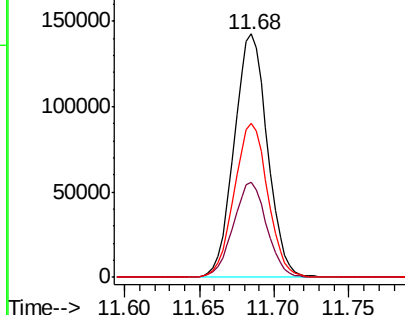


#67
 1,2-Dichlorobenzene
 Concen: 53.483 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013901.D
 Acq: 04 Dec 2019 13:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	32.2	48.2
148	63.5	53.2	79.8

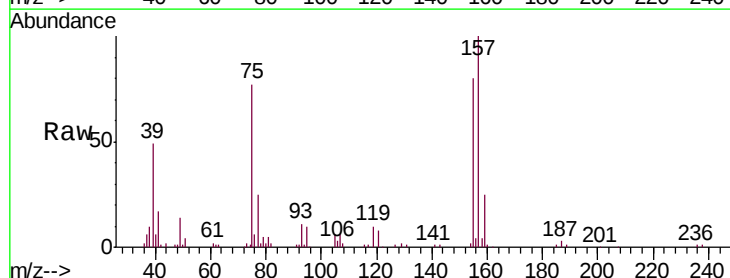


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

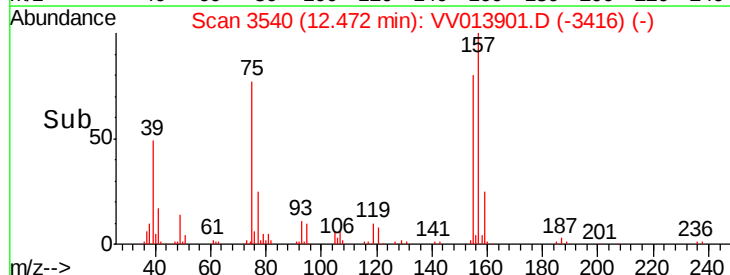
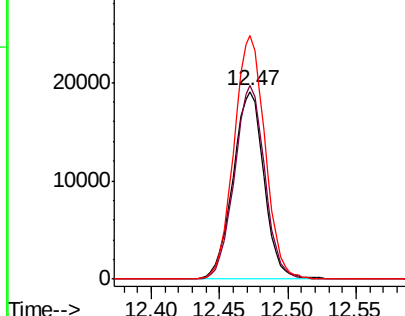


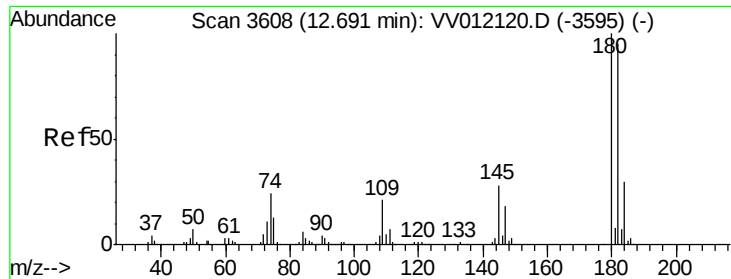
#68
 1,2-Dibromo-3-chloropropane
 Concen: 45.932 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013901.D
 Acq: 04 Dec 2019 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.4	81.2	121.8
157	129.9	102.3	153.5



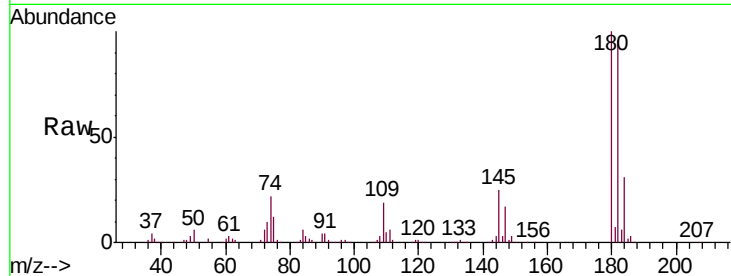
Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V



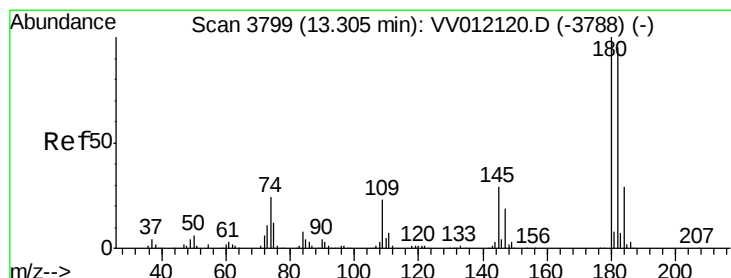
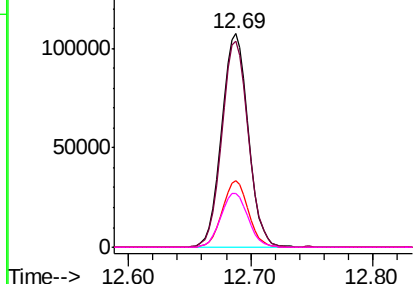
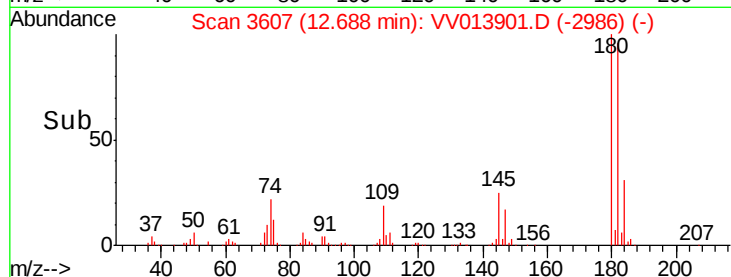


#69
 1,3,5-Trichlorobenzene
 Concen: 50.313 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013901.D
 Acq: 04 Dec 2019 13:45

Tgt Ion:	180	Resp:	165296
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.5	114.7
184	30.5	24.6	36.8
145	25.9	22.5	33.7

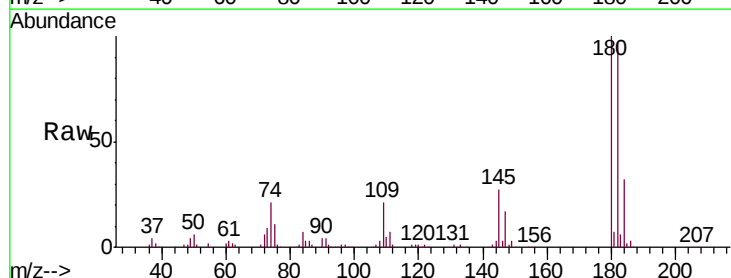


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

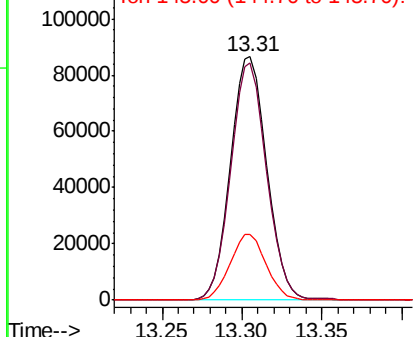
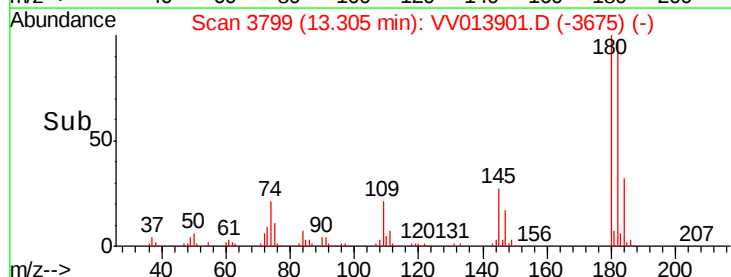


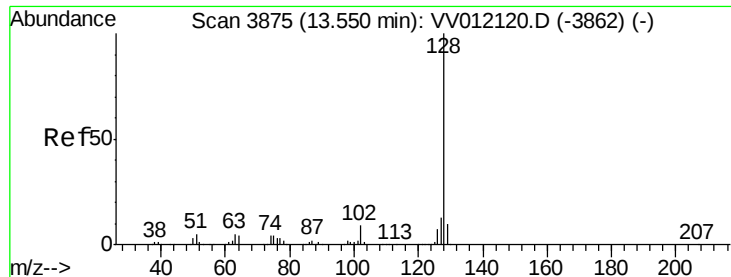
#70
 1,2,4-trichlorobenzene
 Concen: 46.898 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013901.D
 Acq: 04 Dec 2019 13:45

Tgt Ion:	180	Resp:	133594
Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.5	114.7
145	26.8	23.3	34.9



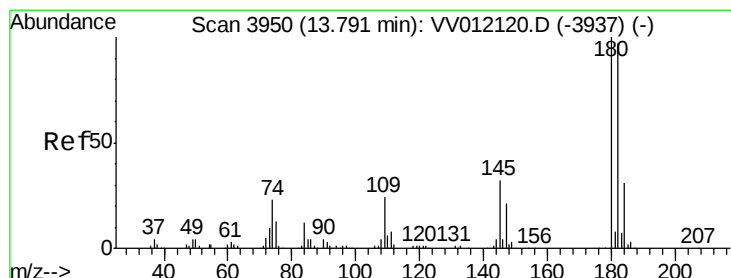
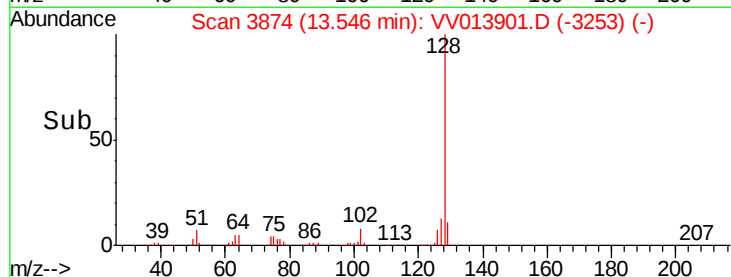
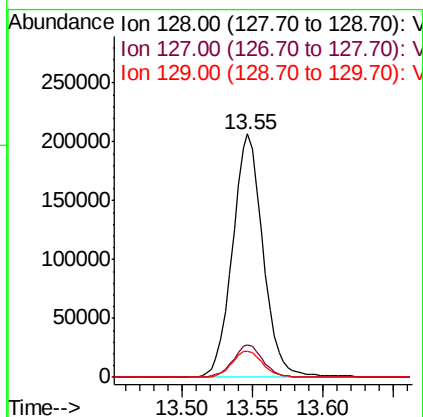
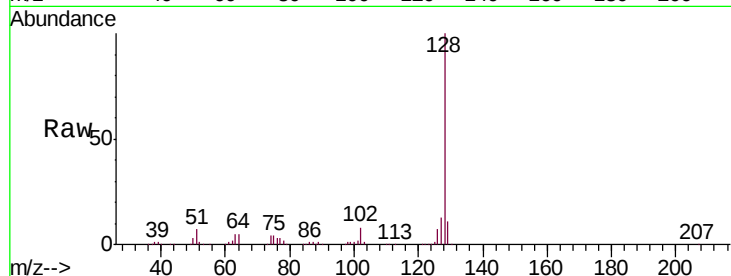
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#71
Naphthalene
Concen: 43.437 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. -0.00 min
Lab File: VV013901.D
Acq: 04 Dec 2019 13:45

Tgt Ion:128 Resp: 313601
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.9 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 50.323 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VV013901.D
Acq: 04 Dec 2019 13:45

Tgt Ion:180 Resp: 144256
Ion Ratio Lower Upper
180 100
182 96.4 77.2 115.8
145 28.3 24.6 36.8

