

Data File : VV008502.D
Acq On : 01 Nov 2018 09:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB55

Quant Time: Nov 02 07:04:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM103118WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 01 09:14:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	224667	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	202695	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	94259	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	60173	42.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.24%
7) Chloroethane-d5	1.57	69	40437	50.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.68%
11) 1,1-Dichloroethene-d2	2.13	63	101217	44.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.20%
21) 2-Butanone-d5	3.94	46	116728	84.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.41%
24) Chloroform-d	4.41	84	142008	45.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.58%
26) 1,2-Dichloroethane-d4	5.08	65	92872	44.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.66%
32) Benzene-d6	5.10	84	279411	45.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.04%
36) 1,2-Dichloropropane-d6	6.12	67	92726	44.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.80%
41) Toluene-d8	7.36	98	251528	44.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.72%
43) trans-1,3-Dichloropropene-	7.67	79	47184	45.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.08%
47) 2-Hexanone-d5	8.14	63	85179	81.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.82%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	120213	42.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.16%
64) 1,2-Dichlorobenzene-d4	11.68	152	90814	43.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.90%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	67598	40.800 ug/L	98
3) Chloromethane	1.25	50	62123	37.174 ug/L	100
5) Vinyl chloride	1.33	62	62920	40.444 ug/L	97
6) Bromomethane	1.53	94	16364	42.135 ug/L	98
8) Chloroethane	1.59	64	33158	41.688 ug/L	94
9) Trichlorofluoromethane	1.77	101	80685	42.882 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	44006	43.688 ug/L	99
12) 1,1-Dichloroethene	2.14	96	40822	43.959 ug/L	94
13) Acetone	2.20	43	101452	88.650 ug/L	100
14) Carbon disulfide	2.32	76	179741	40.156 ug/L	100
15) Methyl Acetate	2.46	43	74311	39.239 ug/L	100
16) Methylene chloride	2.54	84	64122	39.984 ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	59234	40.998 ug/L	97
18) Methyl tert-butyl Ether	2.81	73	209198	41.246 ug/L	99
19) 1,1-Dichloroethane	3.23	63	120145	41.731 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	68350	41.128 ug/L	92
22) 2-Butanone	4.02	43	124006	80.664 ug/L	99

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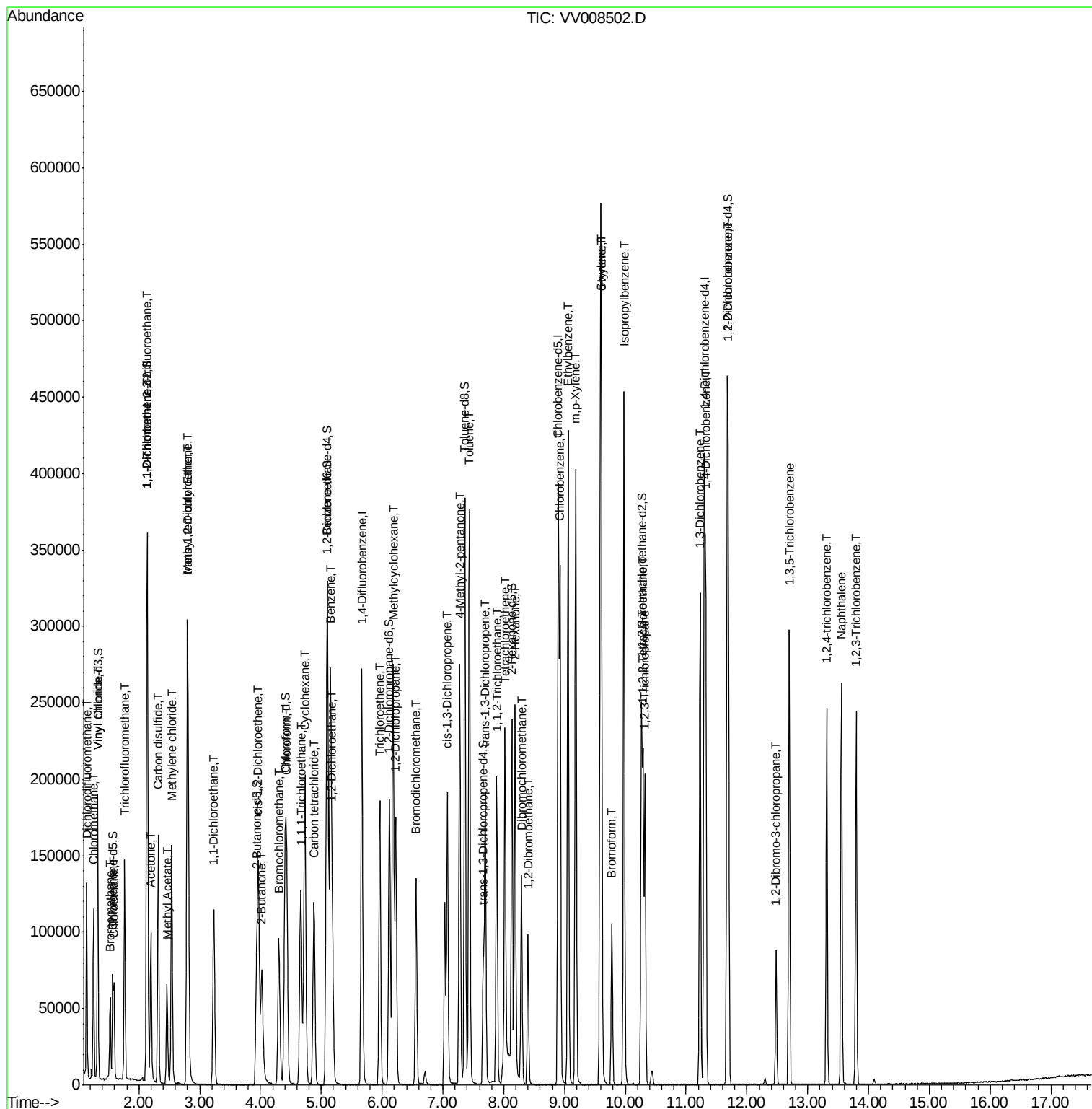
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	32000	42.121	ug/L	99
25) Chloroform	4.43	83	118086	41.449	ug/L	100
27) 1,2-Dichloroethane	5.18	62	95519	41.170	ug/L	100
29) Cyclohexane	4.73	56	116161	42.636	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	104463	43.418	ug/L	98
31) Carbon tetrachloride	4.88	117	89746	43.692	ug/L	99
33) Benzene	5.15	78	259988	42.611	ug/L	100
34) Trichloroethene	5.96	95	67071	42.635	ug/L	99
35) Methylcyclohexane	6.18	83	118048	43.920	ug/L	100
37) 1,2-Dichloropropane	6.23	63	71317	42.125	ug/L	100
38) Bromodichloromethane	6.56	83	90252	42.867	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	113691	42.915	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	191188	76.334	ug/L	100
42) Toluene	7.43	91	268760	42.593	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	105156	42.249	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	60641	41.053	ug/L	99
46) Tetrachloroethene	8.02	164	45667	42.309	ug/L	98
48) 2-Hexanone	8.19	43	159795	79.091	ug/L	99
49) Dibromochloromethane	8.29	129	68726	43.079	ug/L	99
50) 1,2-Dibromoethane	8.40	107	65089	41.601	ug/L #	98
51) Chlorobenzene	8.93	112	166387	41.866	ug/L	99
52) Ethylbenzene	9.06	91	299556	41.869	ug/L	99
53) m,p-Xylene	9.18	106	109914	41.282	ug/L	100
54) o-xylene	9.59	106	108202	41.177	ug/L	97
55) Styrene	9.61	104	180527	40.460	ug/L	98
56) Isopropylbenzene	9.98	105	288264	42.113	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	102936	38.605	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	82450	37.904	ug/L	99
61) Bromoform	9.78	173	46132	42.756	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	120032	40.535	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	120494	40.439	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	122543	41.473	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	23396	40.055	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	83925	43.280	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	67254	44.663	ug/L	99
69) Naphthalene	13.55	128	195992	42.676	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	67146	44.153	ug/L	100

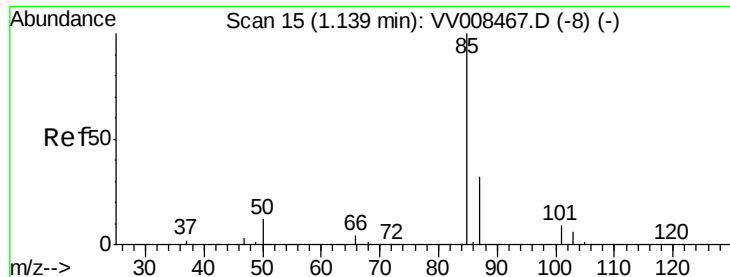
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 40.800 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008502.D

Acq: 01 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

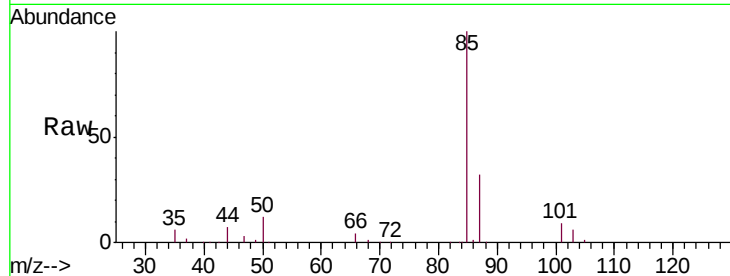
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Tgt Ion: 85 Resp: 67598

Ion Ratio Lower Upper

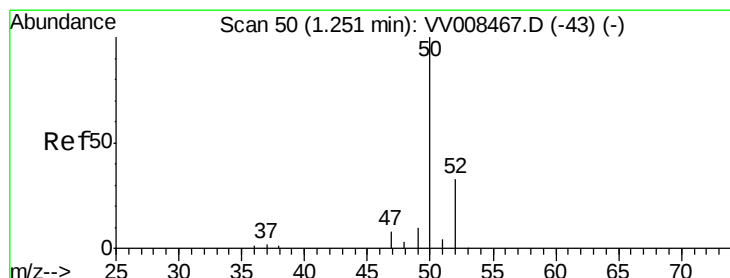
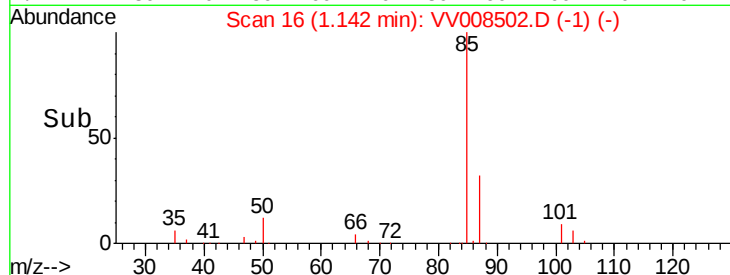
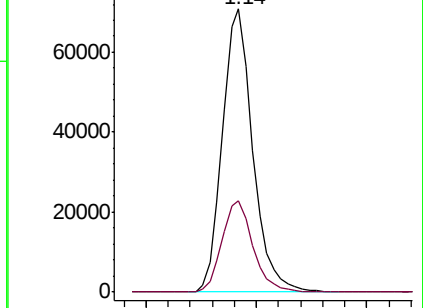
85 100

87 32.8 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV008467.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008467.D (-8) (-)



#3

Chloromethane

Concen: 37.174 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008502.D

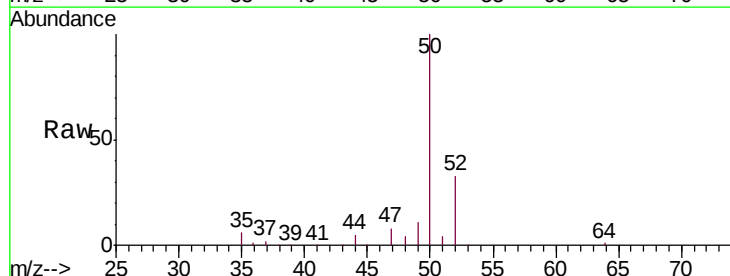
Acq: 01 Nov 2018 09:56

Tgt Ion: 50 Resp: 62123

Ion Ratio Lower Upper

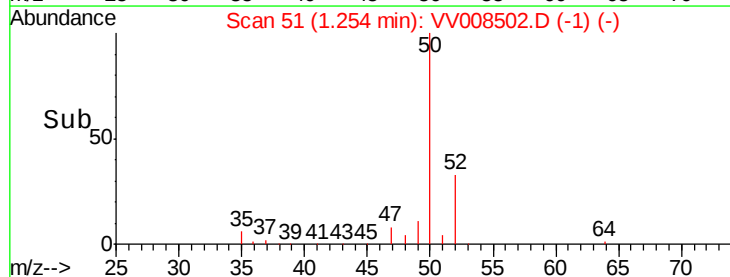
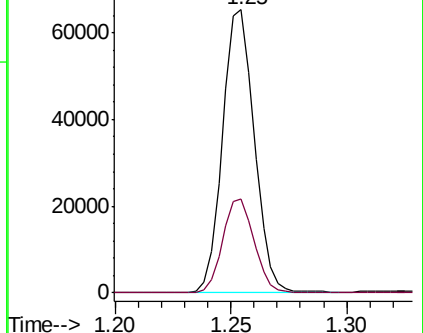
50 100

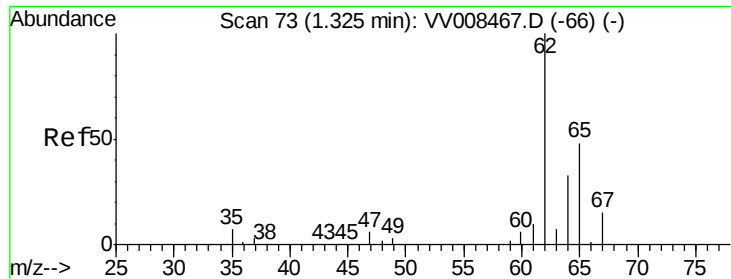
52 33.1 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV008467.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV008467.D (-43) (-)





#5

Vinyl chloride

Concen: 40.444 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008502.D

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Instrument :

MSVOA_V

ClientSampleId :

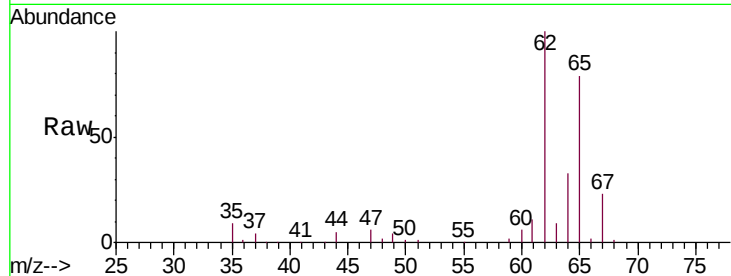
BFB55

Tgt Ion: 62 Resp: 62920

Ion Ratio Lower Upper

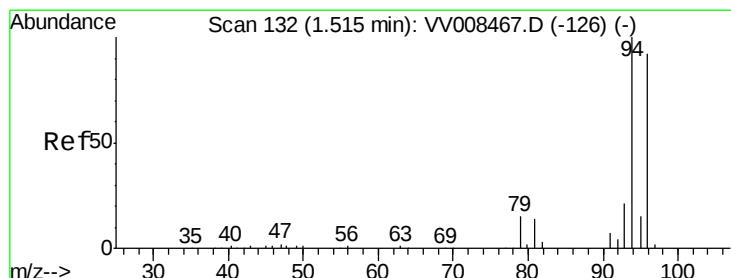
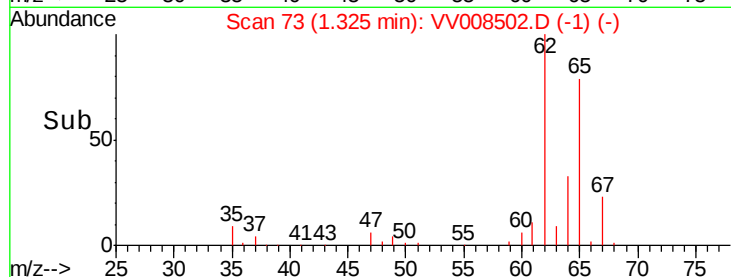
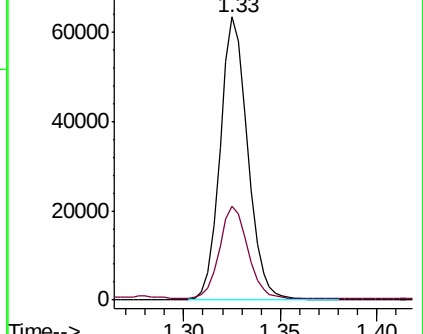
62 100

64 33.4 24.4 45.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 42.135 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.01 min

Lab File: VV008502.D

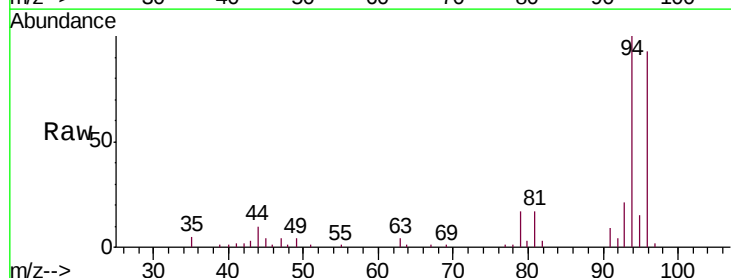
Acq: 01 Nov 2018 09:56

Tgt Ion: 94 Resp: 16364

Ion Ratio Lower Upper

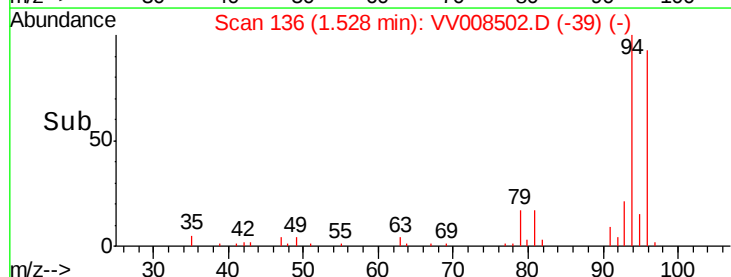
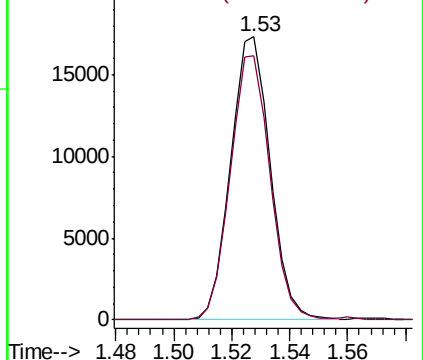
94 100

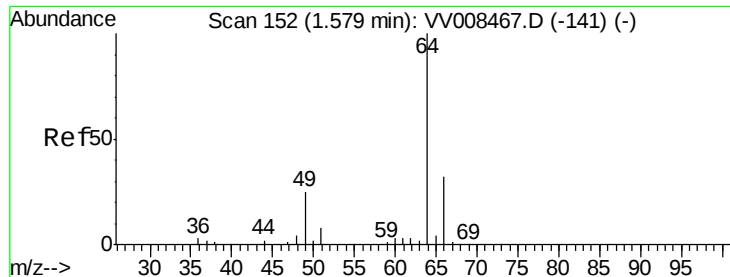
96 93.3 63.8 118.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 41.688 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.01 min

Lab File: VV008502.D

Acq: 01 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

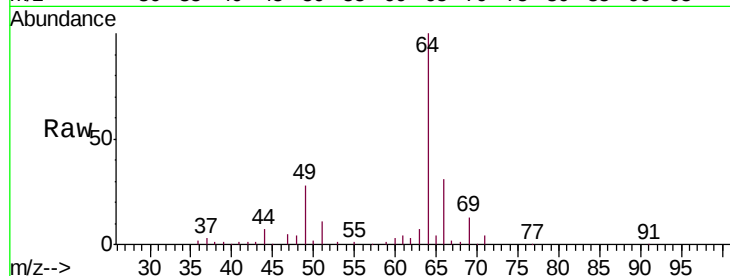
BFB55

Tgt Ion: 64 Resp: 33158

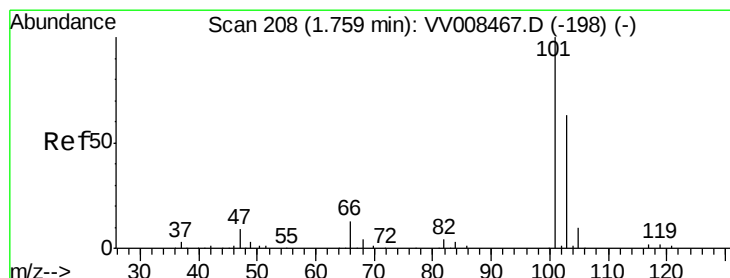
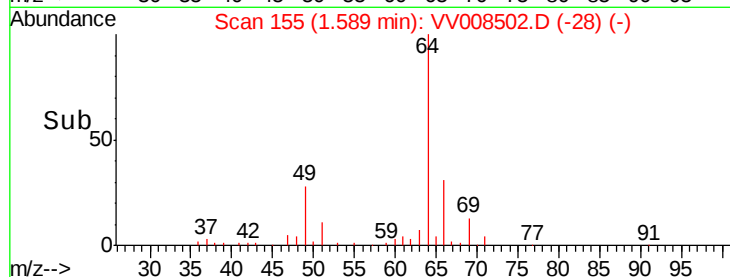
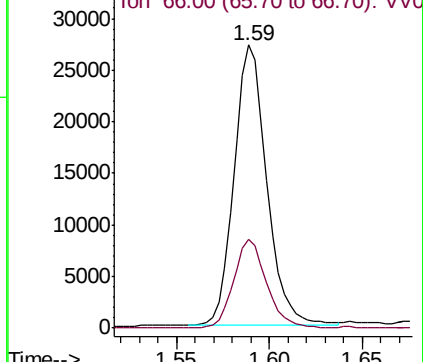
Ion Ratio Lower Upper

64 100

66 31.4 19.9 36.9



Abundance Ion 64.00 (63.70 to 64.70): VV008467.D (-141) (-)



#9

Trichlorofluoromethane

Concen: 42.882 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.01 min

Lab File: VV008502.D

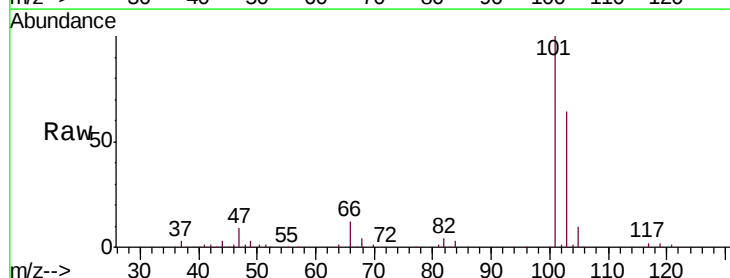
Acq: 01 Nov 2018 09:56

Tgt Ion: 101 Resp: 80685

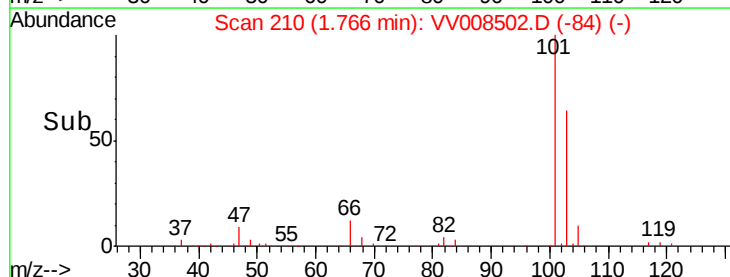
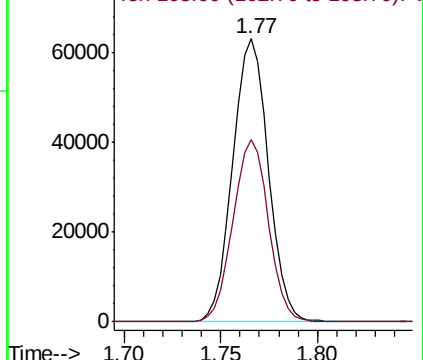
Ion Ratio Lower Upper

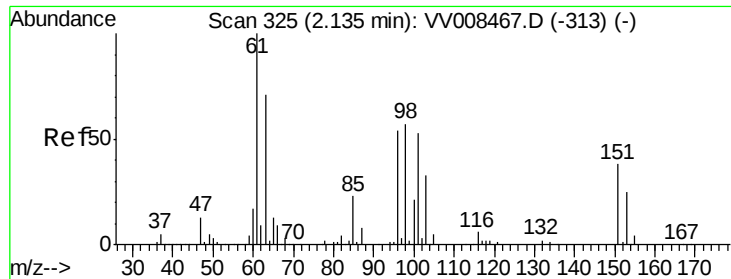
101 100

103 64.1 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VV008467.D (-198) (-)





#10

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

Concen: 43.688 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008502.D

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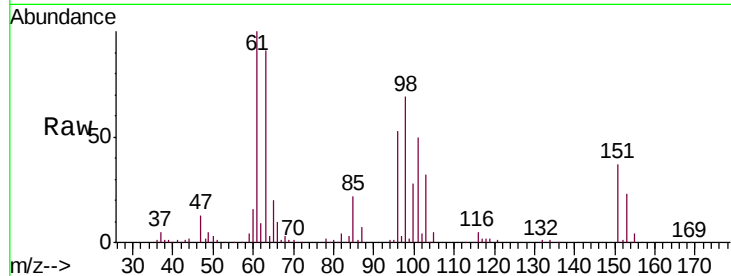
Tgt Ion: 101 Resp: 44006

Ion Ratio Lower Upper

101 100

85 44.1 35.6 53.4

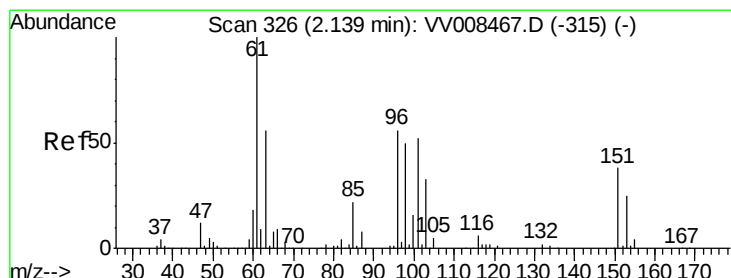
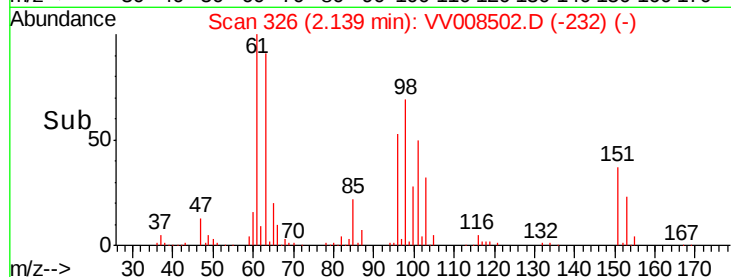
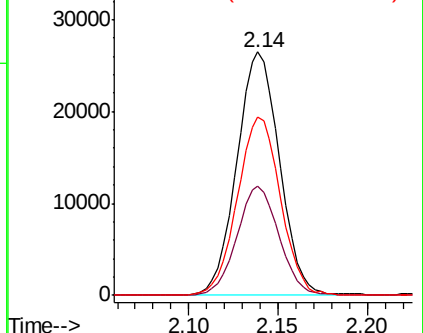
151 74.1 58.1 87.1



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: 43.959 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008502.D

Acq: 01 Nov 2018 09:56

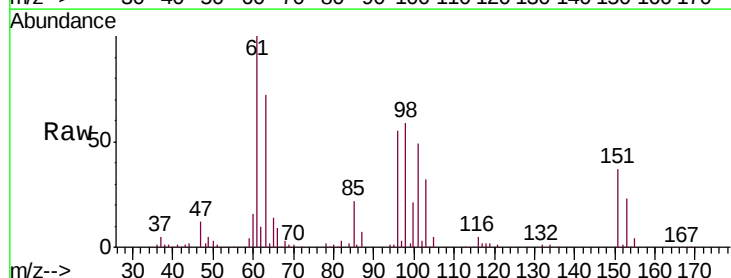
Tgt Ion: 96 Resp: 40822

Ion Ratio Lower Upper

96 100

61 180.4 130.3 242.1

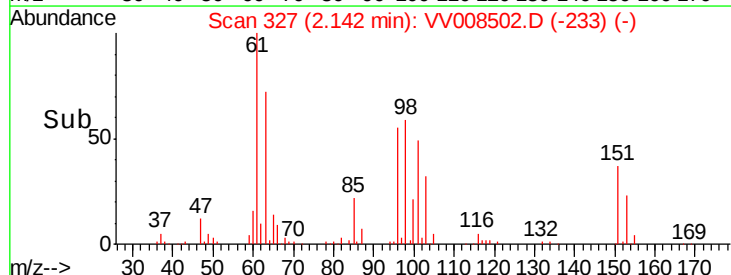
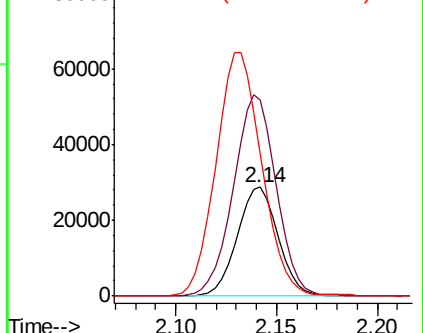
63 130.7 84.4 156.8

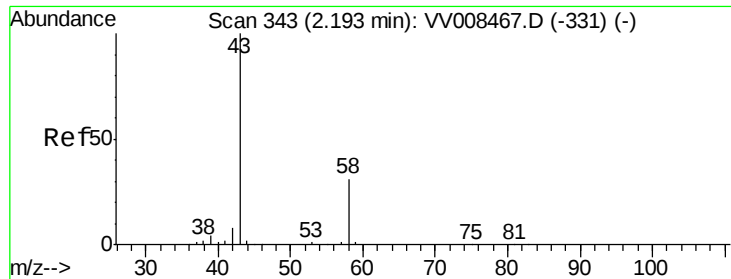


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 88.650 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV008502.D

Acq: 01 Nov 2018 09:56

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ClientSampleId :

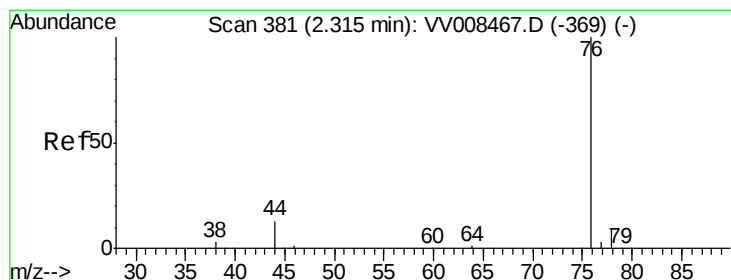
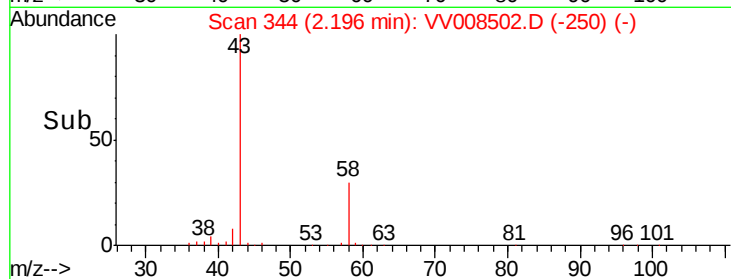
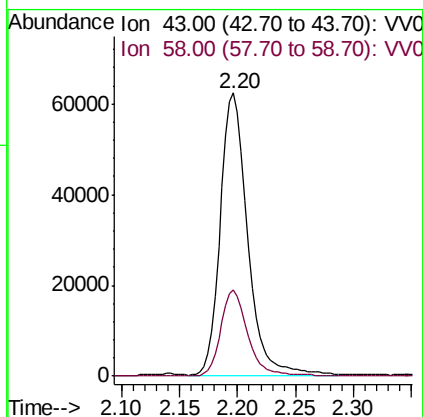
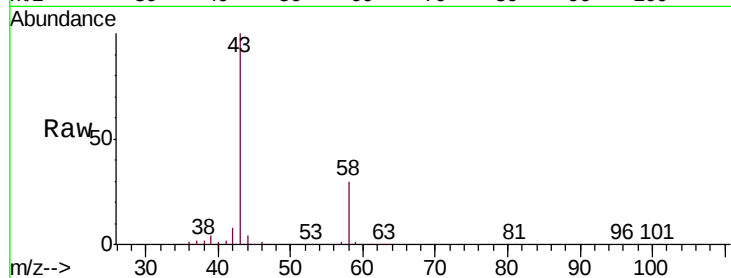
BFB55

Tgt Ion: 43 Resp: 101452

Ion Ratio Lower Upper

43 100

58 30.5 0.0 61.4



#14

Carbon disulfide

Concen: 40.156 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008502.D

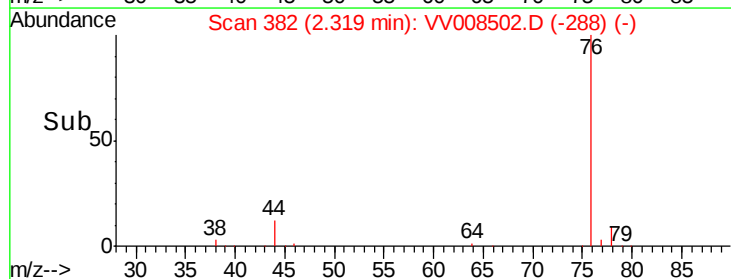
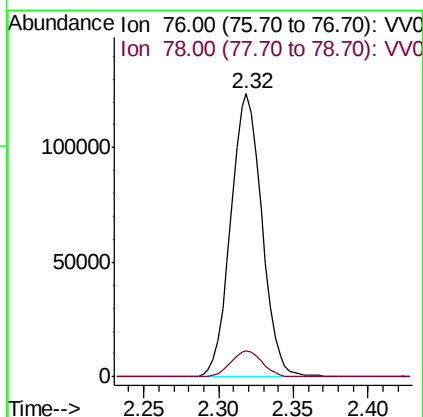
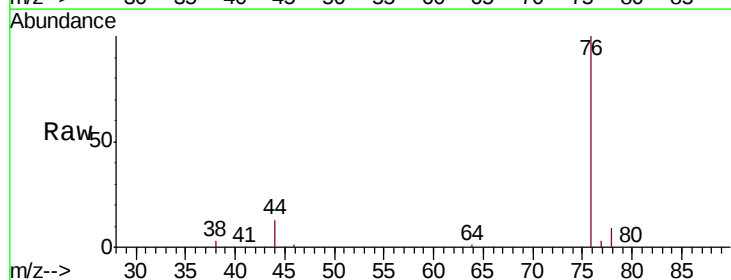
Acq: 01 Nov 2018 09:56

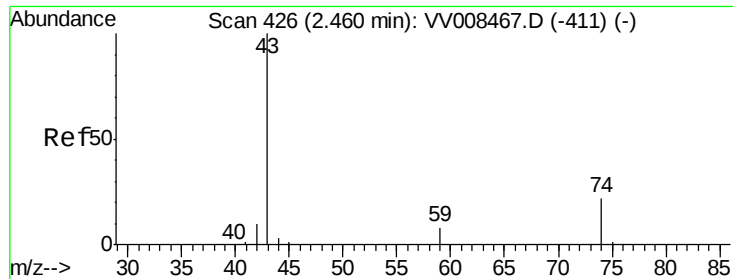
Tgt Ion: 76 Resp: 179741

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





#15

Methyl Acetate

Concen: 39.239 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VV008502.D

Acq: 01 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

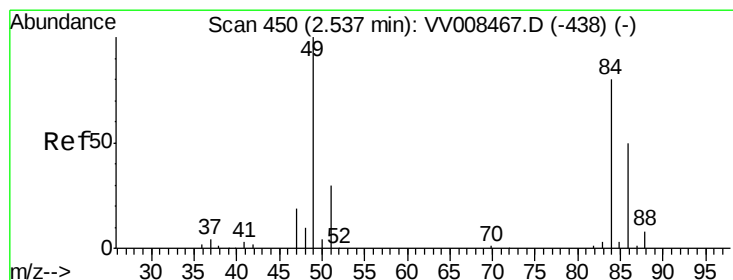
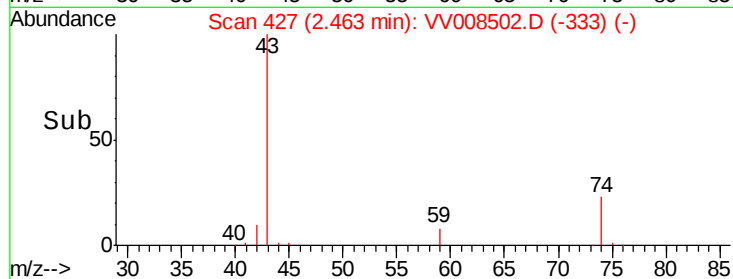
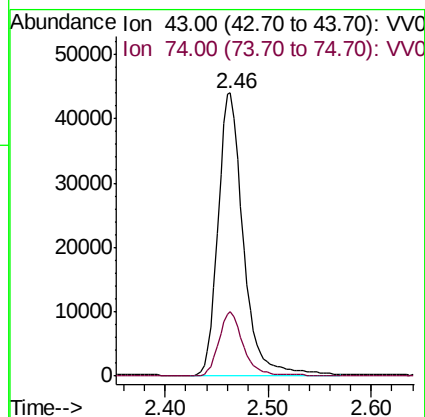
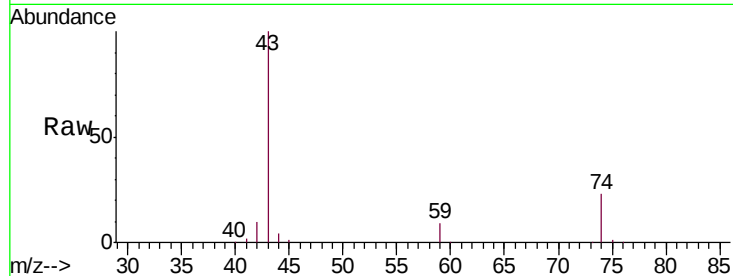
BFB55

Tgt Ion: 43 Resp: 74311

Ion Ratio Lower Upper

43 100

74 22.0 17.8 26.6



#16

Methylene chloride

Concen: 39.984 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV008502.D

Acq: 01 Nov 2018 09:56

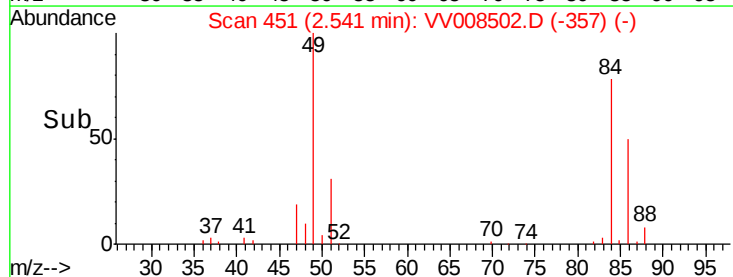
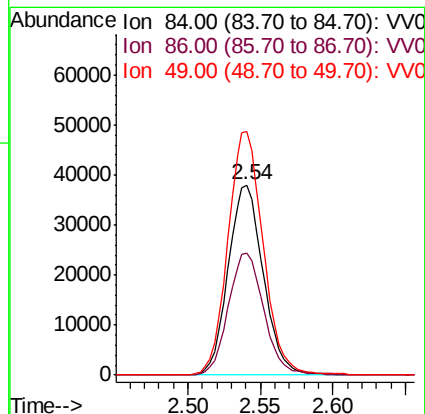
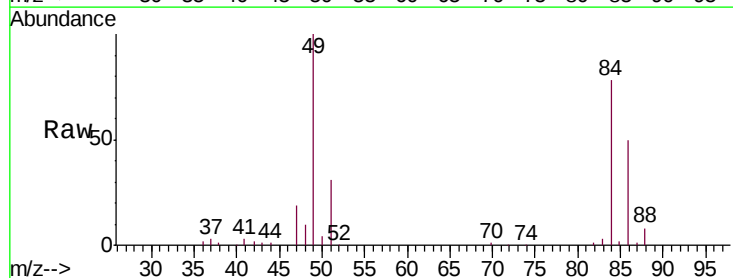
Tgt Ion: 84 Resp: 64122

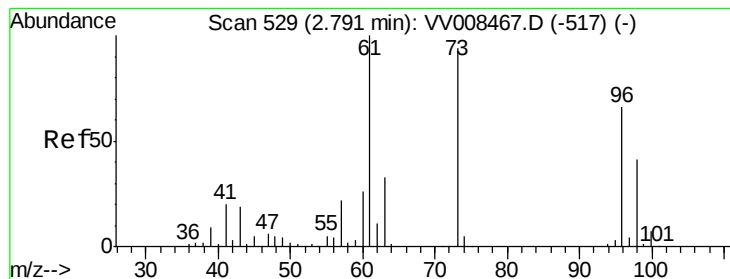
Ion Ratio Lower Upper

84 100

86 64.2 45.6 84.6

49 127.8 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 40.998 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008502.D

Acq: 01 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

BFB55

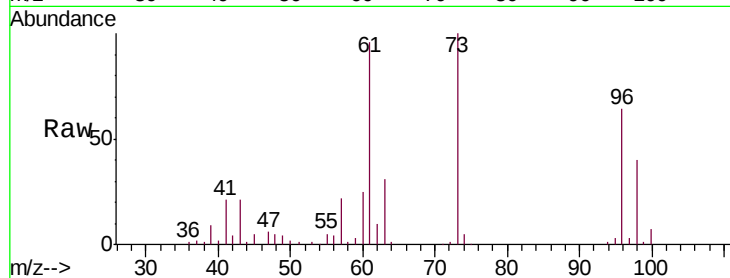
Tgt Ion: 96 Resp: 59234

Ion Ratio Lower Upper

96 100

61 150.6 108.6 201.6

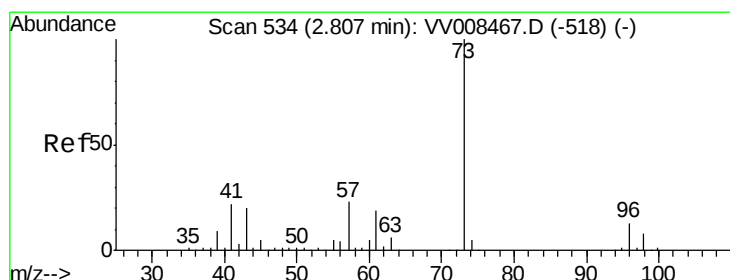
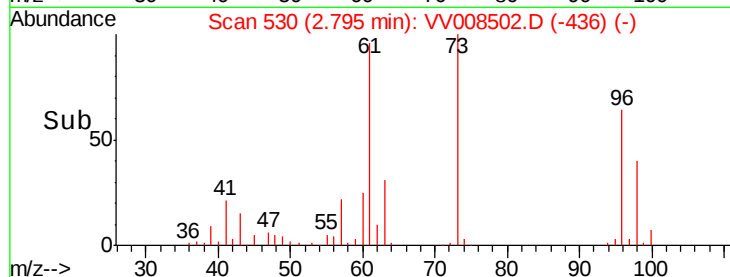
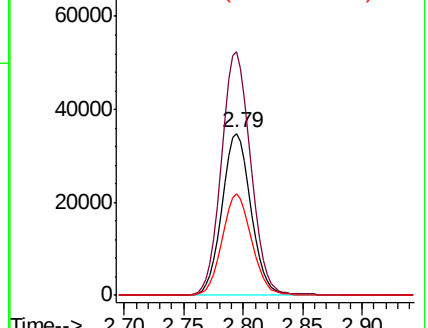
98 62.9 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VV008467.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV008467.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV008467.D (-517) (-)



#18

Methyl tert-butyl Ether

Concen: 41.246 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV008502.D

Acq: 01 Nov 2018 09:56

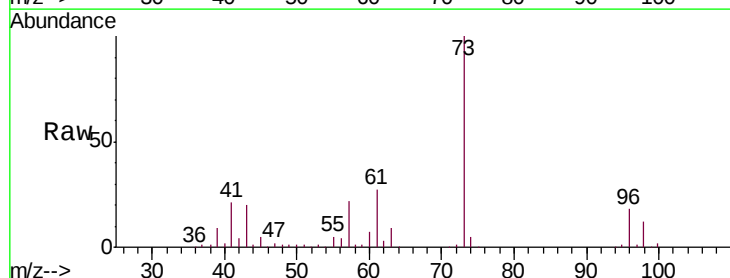
Tgt Ion: 73 Resp: 209198

Ion Ratio Lower Upper

73 100

43 19.5 16.2 24.4

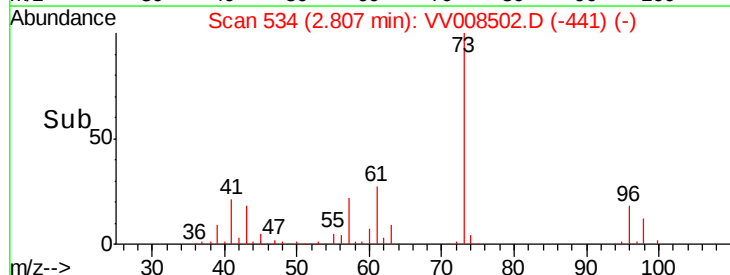
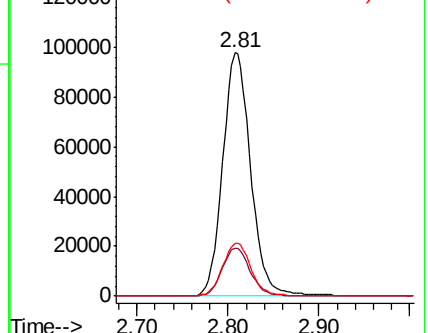
57 22.2 18.2 27.2

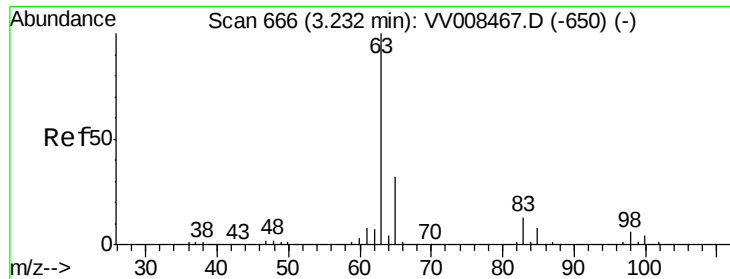


Abundance Ion 73.00 (72.70 to 73.70): VV008467.D (-518) (-)

Ion 43.00 (42.70 to 43.70): VV008467.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VV008467.D (-518) (-)

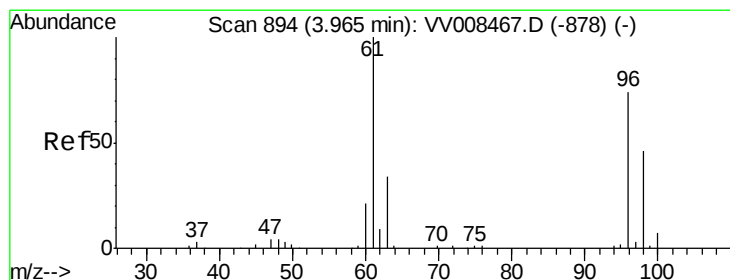
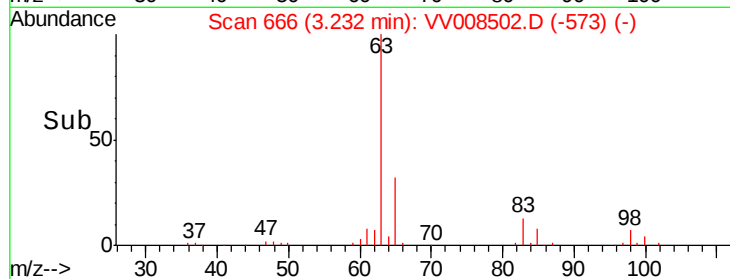
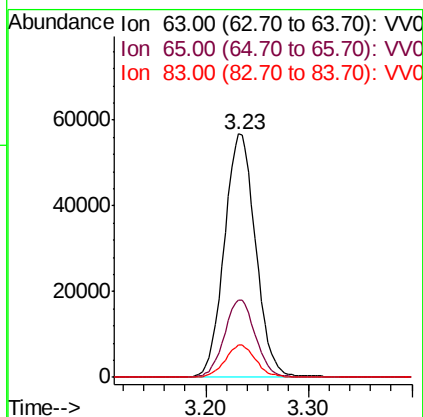
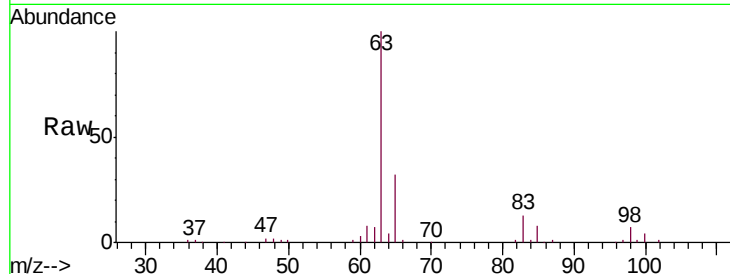




#19
 1,1-Dichloroethane
 Concen: 41.731 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008502.D
 Acq: 01 Nov 2018 09:56

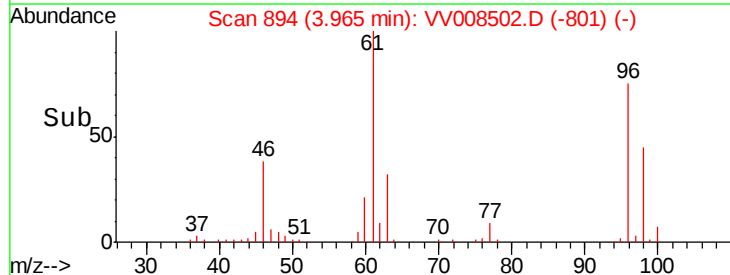
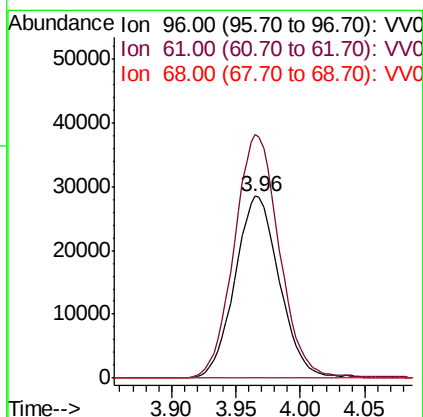
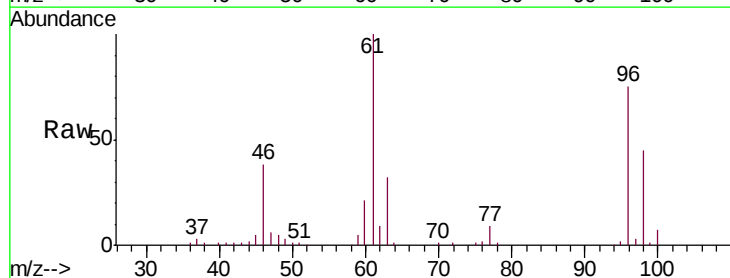
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB55

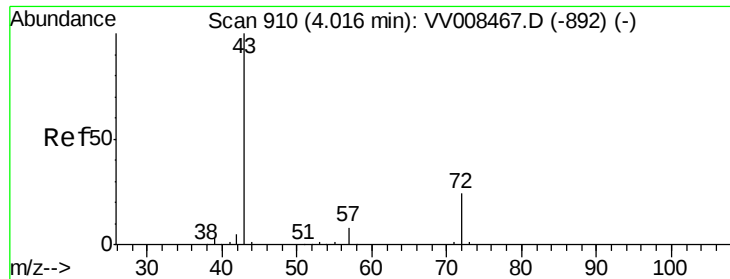
Tgt Ion: 63 Resp: 120145
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.0 40.8
 83 13.2 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 41.128 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV008502.D
 Acq: 01 Nov 2018 09:56

Tgt Ion: 96 Resp: 68350
 Ion Ratio Lower Upper
 96 100
 61 133.7 100.9 187.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 80.664 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.01 min

Lab File: VV008502.D

Acq: 01 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampled :

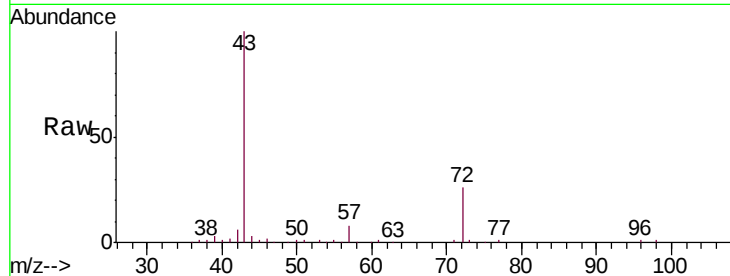
BFB55

Tgt Ion: 43 Resp: 124006

Ion Ratio Lower Upper

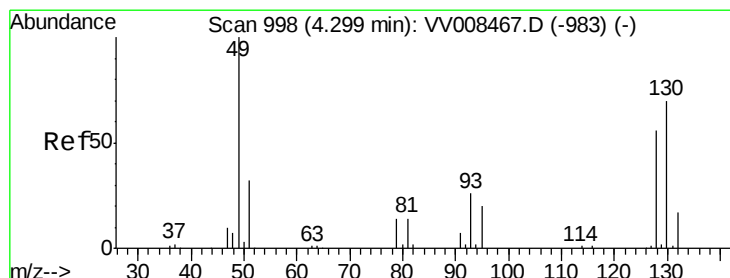
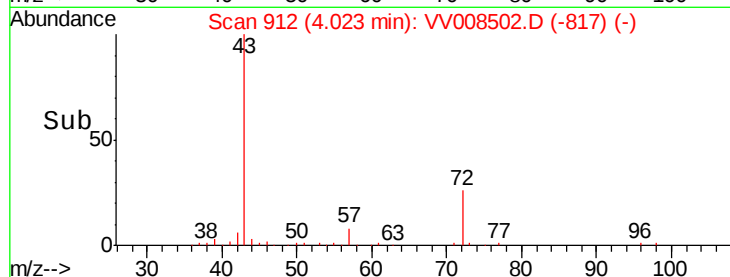
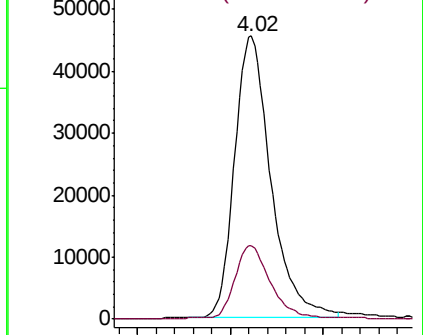
43 100

72 25.3 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV008502.D (-912) (-)

Ion 72.00 (71.70 to 72.70): VV008502.D (-912) (-)



#23

Bromochloromethane

Concen: 42.121 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.00 min

Lab File: VV008502.D

Acq: 01 Nov 2018 09:56

Tgt Ion: 128 Resp: 32000

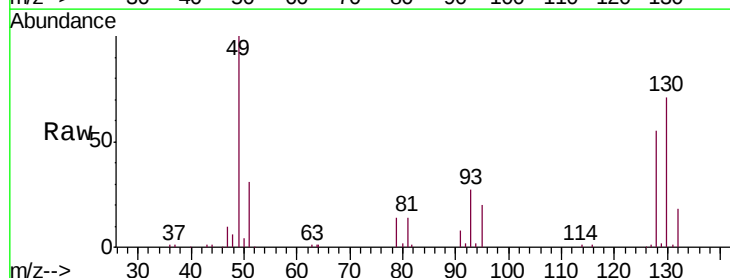
Ion Ratio Lower Upper

128 100

49 182.5 128.0 237.8

130 128.9 89.2 165.8

51 57.5 46.8 70.2

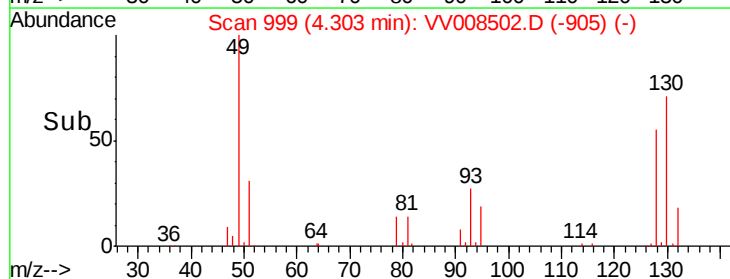
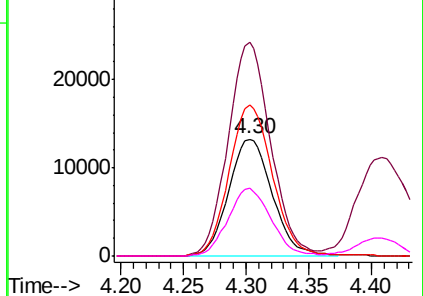


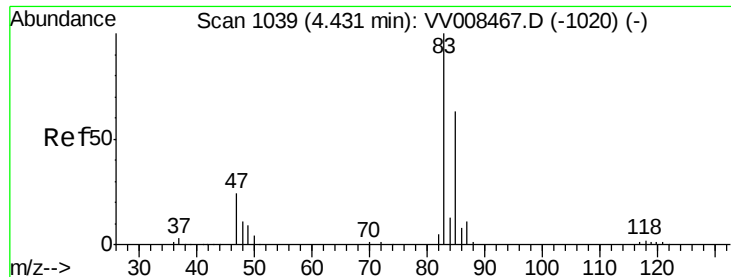
Abundance Ion 128.00 (127.70 to 128.70): VV008502.D (-998) (-)

Ion 49.00 (48.70 to 49.70): VV008502.D (-998) (-)

Ion 130.00 (129.70 to 130.70): VV008502.D (-998) (-)

Ion 51.00 (50.70 to 51.70): VV008502.D (-998) (-)

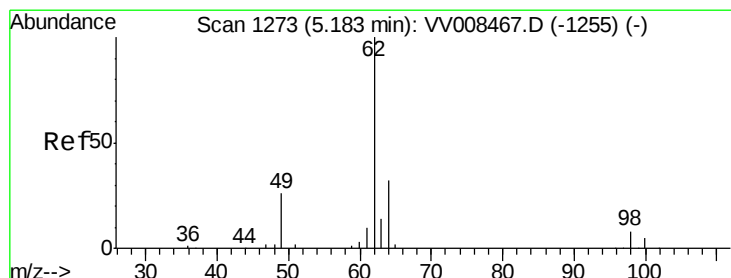
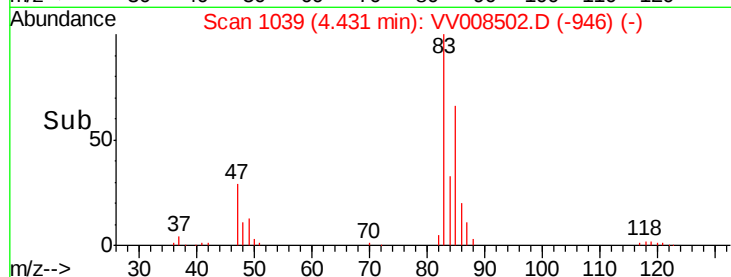
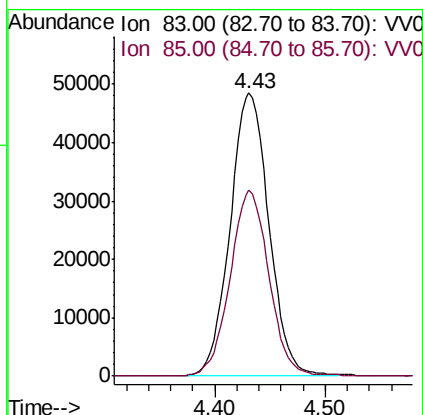
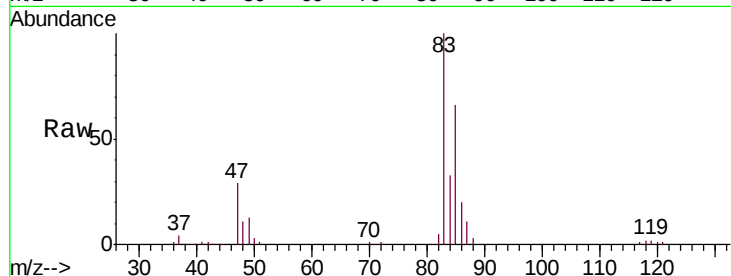




#25
Chloroform
Concen: 41.449 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008502.D
Acq: 01 Nov 2018 09:56

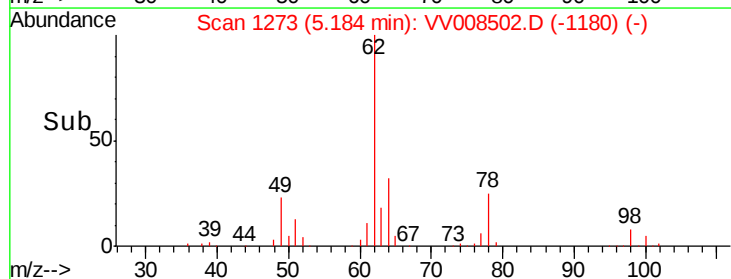
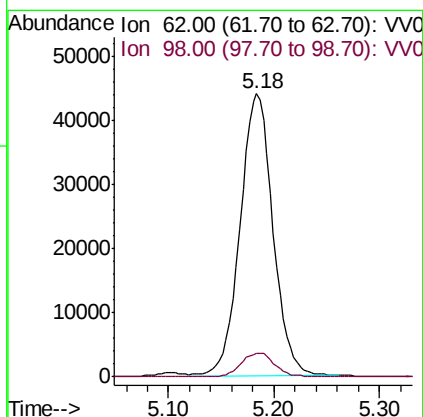
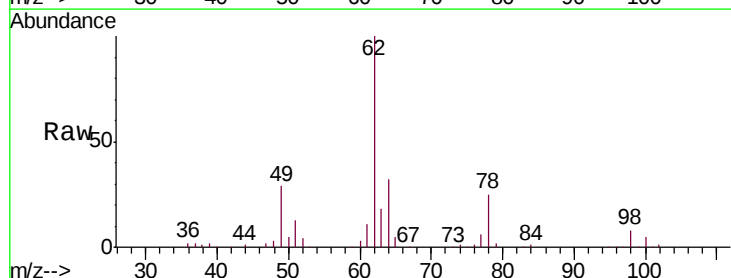
Instrument :
MSVOA_V
ClientSampled :
BFB55

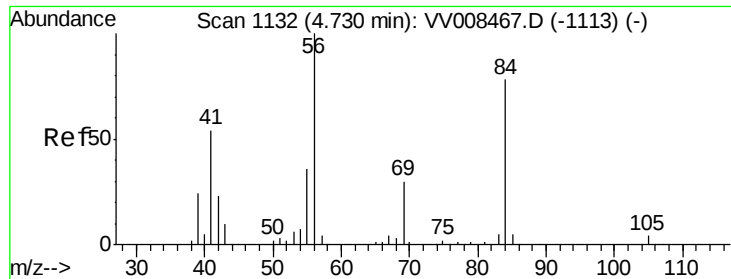
Tgt Ion: 83 Resp: 118086
Ion Ratio Lower Upper
83 100
85 65.7 45.8 85.2



#27
1,2-Dichloroethane
Concen: 41.170 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV008502.D
Acq: 01 Nov 2018 09:56

Tgt Ion: 62 Resp: 95519
Ion Ratio Lower Upper
62 100
98 8.2 6.6 9.8

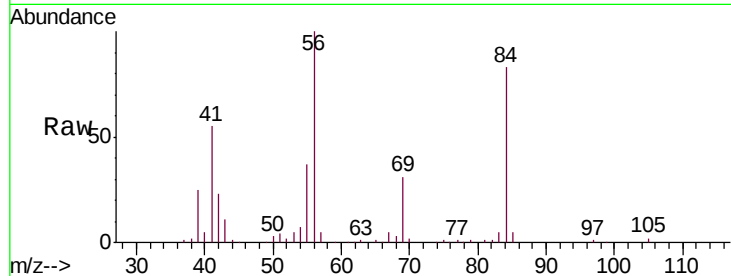




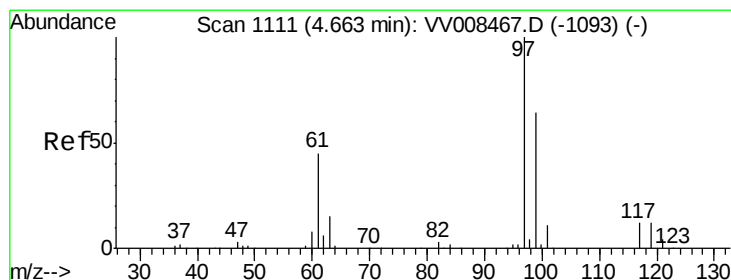
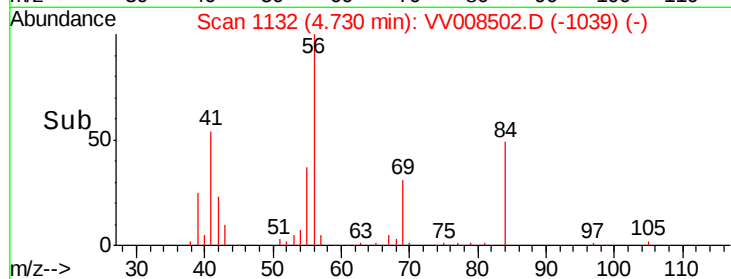
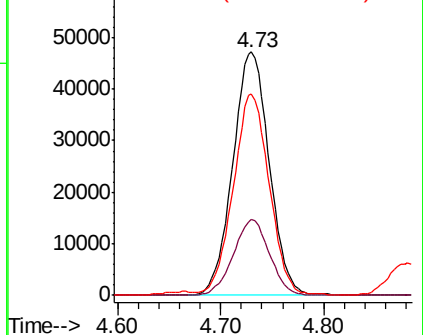
#29
Cyclohexane
Concen: 42.636 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VV008502.D
Acq: 01 Nov 2018 09:56

Instrument :
MSVOA_V
ClientSampleId :
BFB55

Tgt Ion: 56 Resp: 116161
Ion Ratio Lower Upper
56 100
69 30.8 24.6 37.0
84 80.7 65.0 97.4

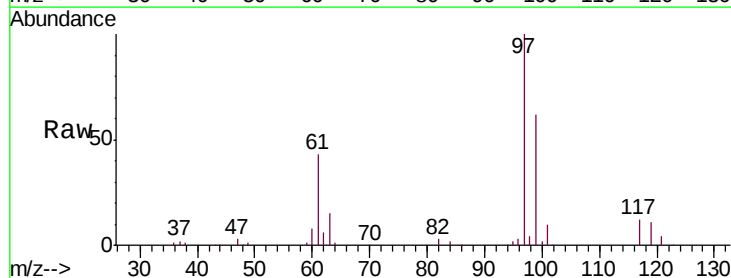


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

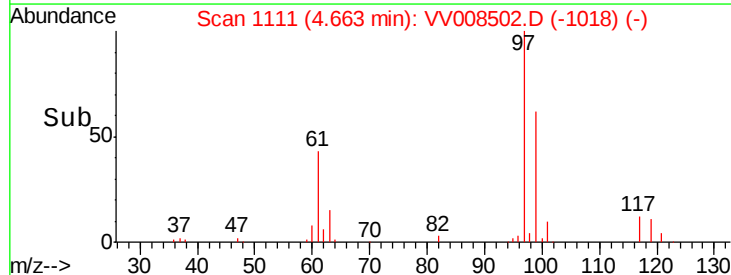
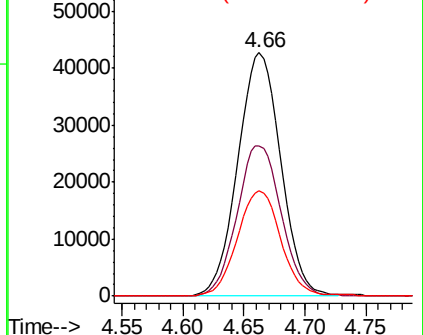


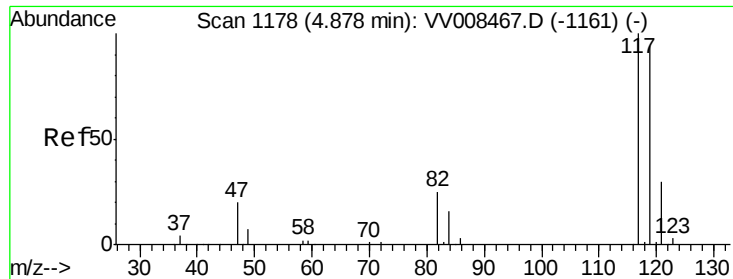
#30
1,1,1-Trichloroethane
Concen: 43.418 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VV008502.D
Acq: 01 Nov 2018 09:56

Tgt Ion: 97 Resp: 104463
Ion Ratio Lower Upper
97 100
99 63.5 51.6 77.4
61 43.9 36.5 54.7



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: 43.692 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV008502.D

Acq: 01 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

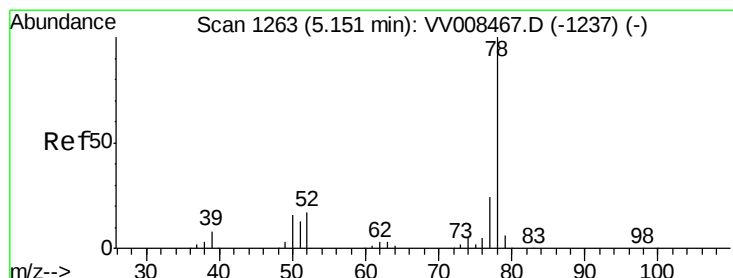
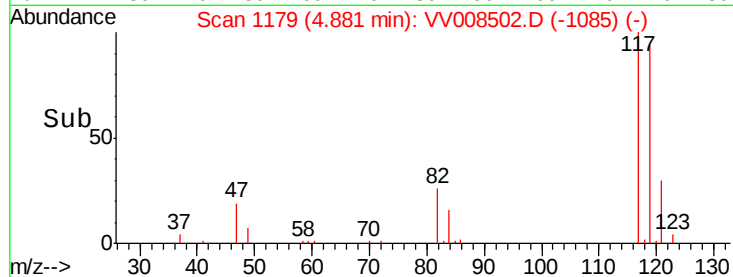
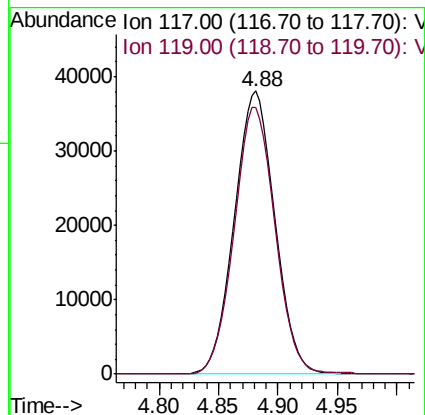
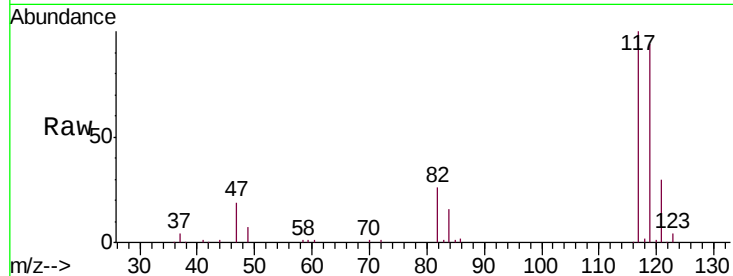
BFB55

Tgt Ion:117 Resp: 89746

Ion Ratio Lower Upper

117 100

119 95.3 75.8 113.8



#33

Benzene

Concen: 42.611 ug/L

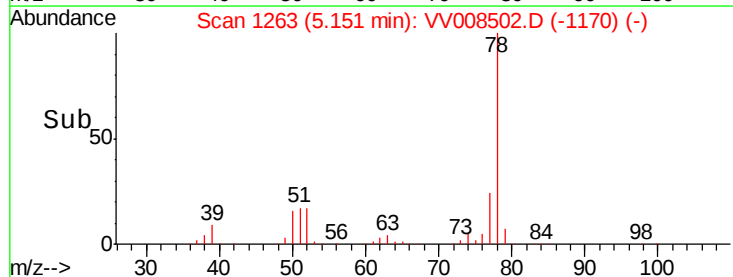
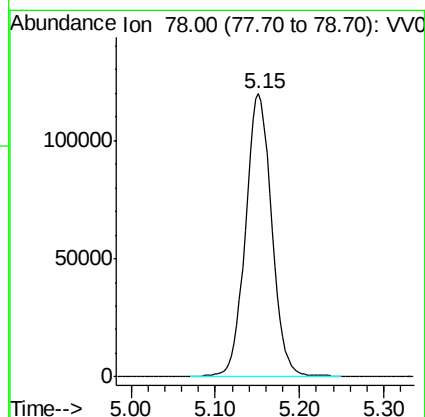
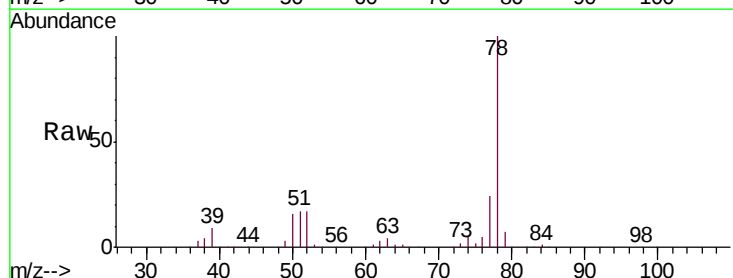
RT: 5.15 min Scan# 1263

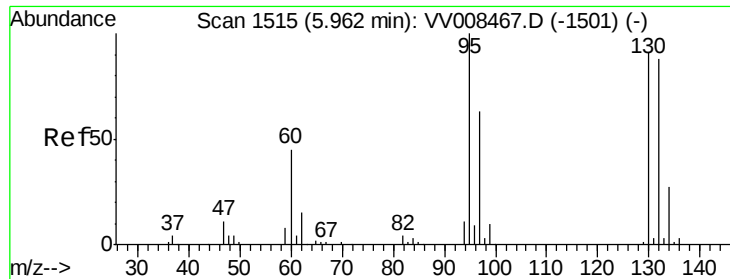
Delta R.T. 0.00 min

Lab File: VV008502.D

Acq: 01 Nov 2018 09:56

Tgt Ion: 78 Resp: 259988





#34

Trichloroethene

Concen: 42.635 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008502.D

Acq: 01 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampled :

BFB55

Tgt Ion: 95 Resp: 67071

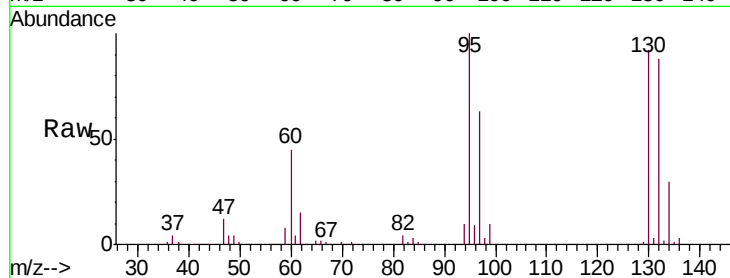
Ion Ratio Lower Upper

95 100

97 63.4 45.2 84.0

132 88.5 63.8 118.6

130 92.4 64.7 120.1



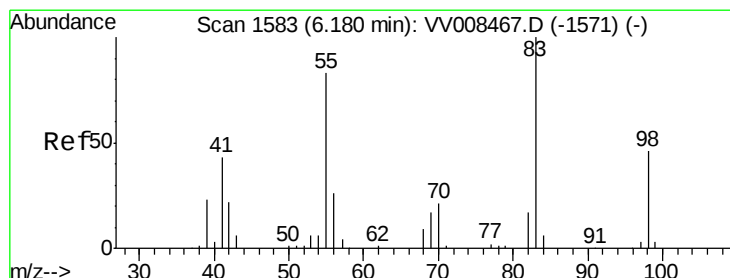
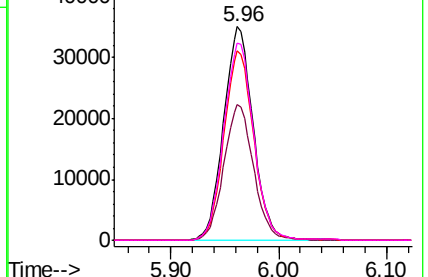
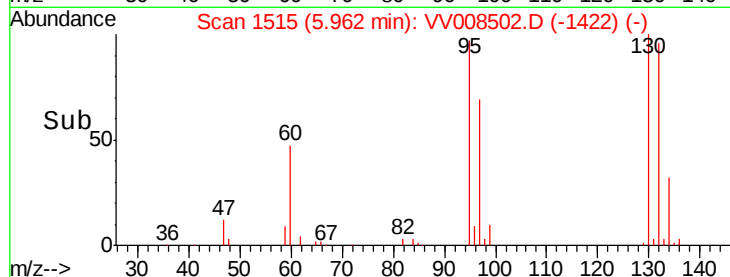
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Time-->



#35

Methylcyclohexane

Concen: 43.920 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV008502.D

Acq: 01 Nov 2018 09:56

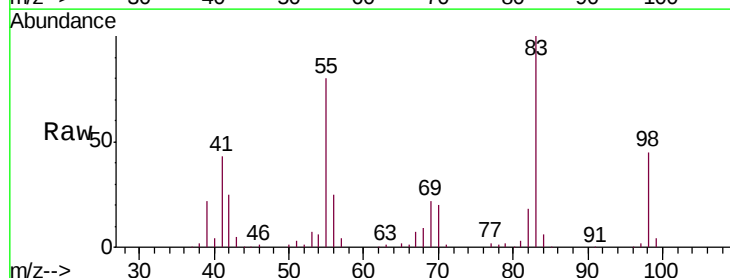
Tgt Ion: 83 Resp: 118048

Ion Ratio Lower Upper

83 100

55 81.2 65.0 97.4

98 44.7 36.0 54.0

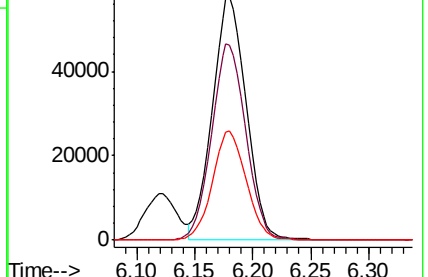
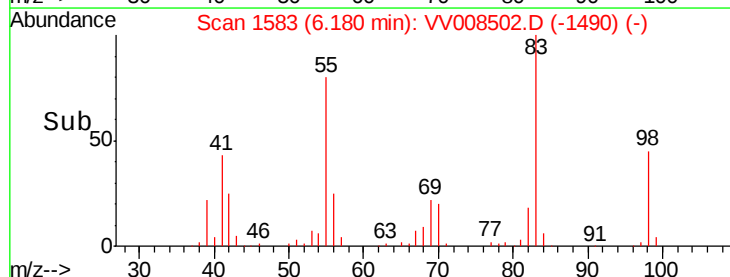


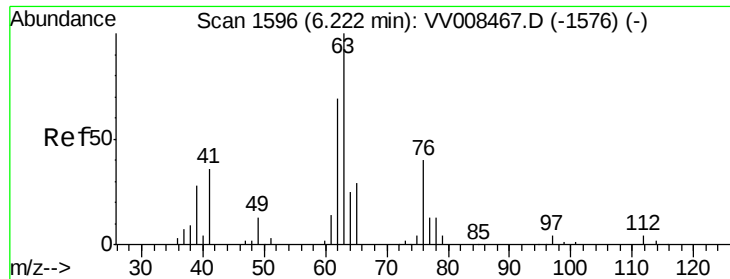
Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

Time-->

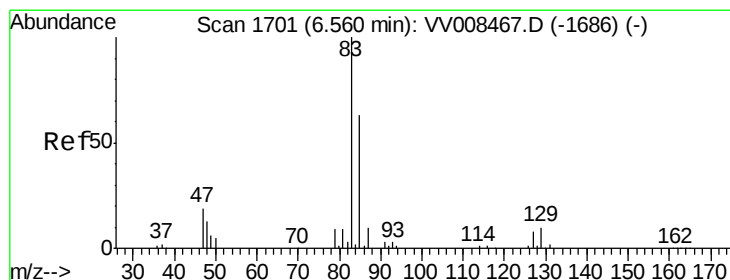
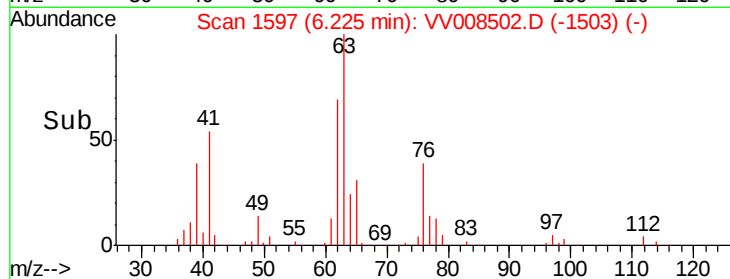
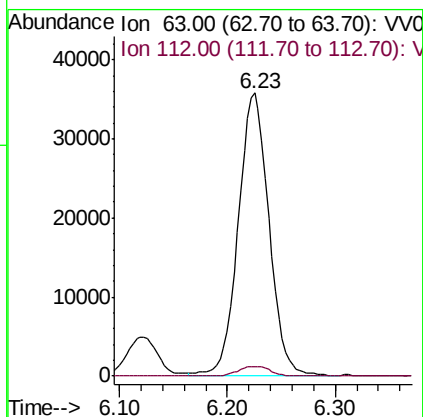
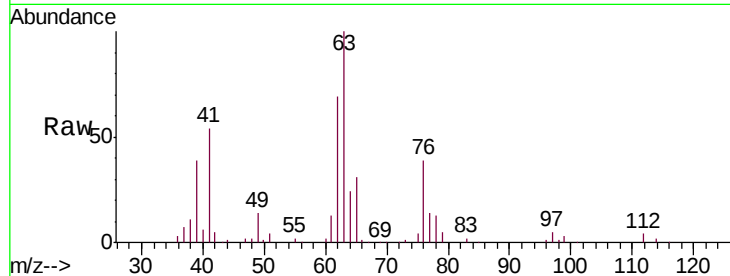




#37
 1,2-Dichloropropane
 Concen: 42.125 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV008502.D
 Acq: 01 Nov 2018 09:56

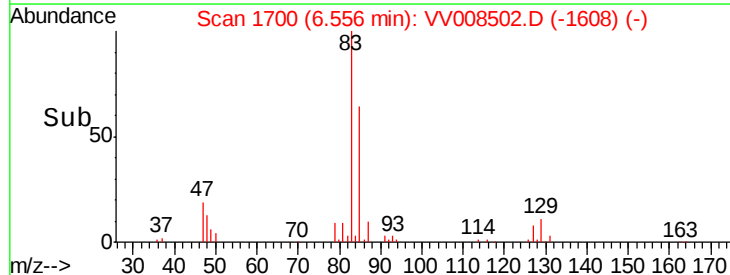
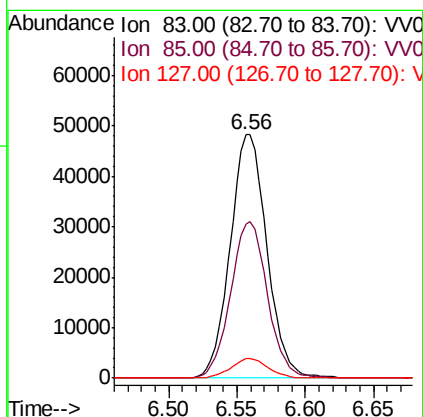
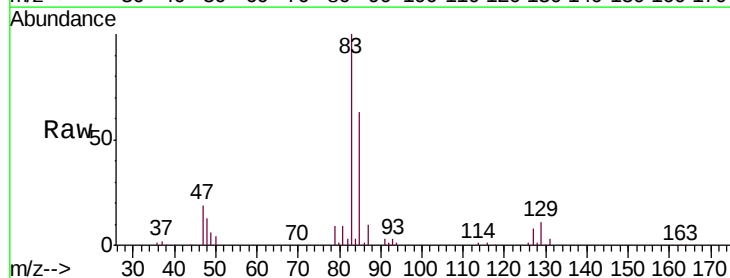
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB55

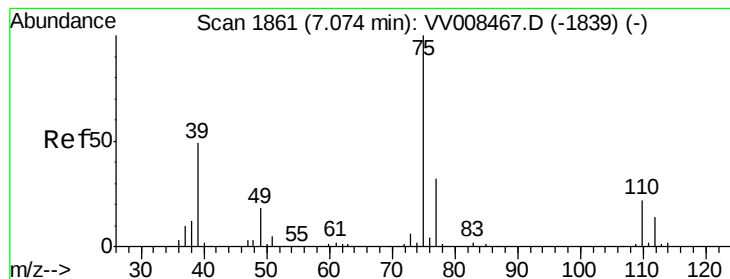
Tgt Ion: 63 Resp: 71317
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.9 4.3



#38
 Bromodichloromethane
 Concen: 42.867 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV008502.D
 Acq: 01 Nov 2018 09:56

Tgt Ion: 83 Resp: 90252
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.3 82.3
 127 7.8 6.3 9.5



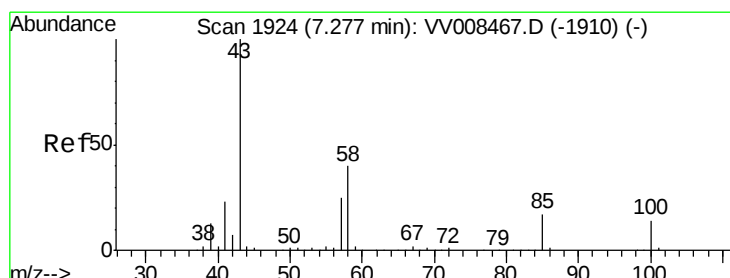
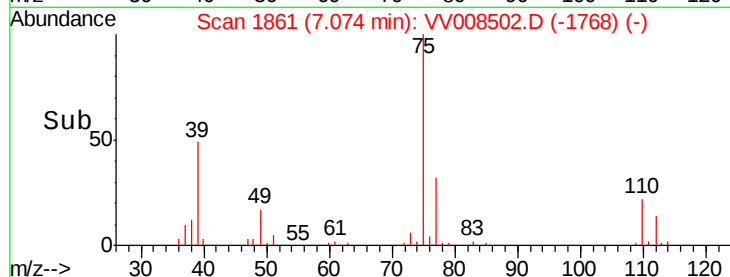
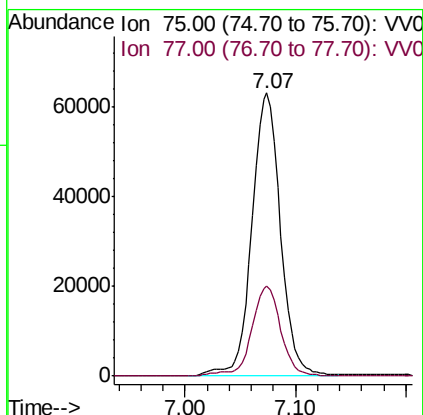
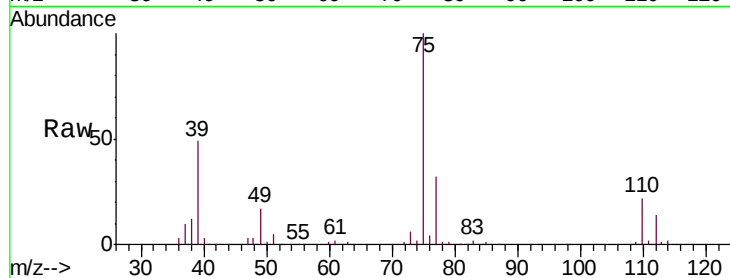


#39

cis-1,3-Dichloropropene
 Concen: 42.915 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008502.D
 Acq: 01 Nov 2018 09:56

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB55

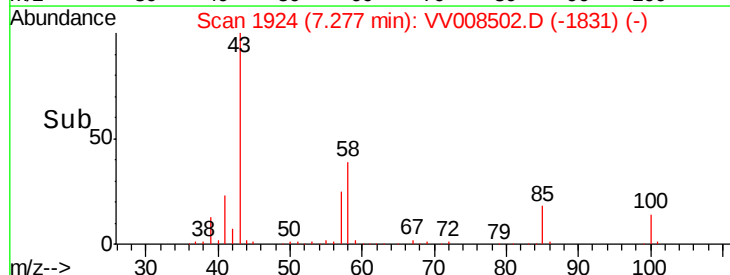
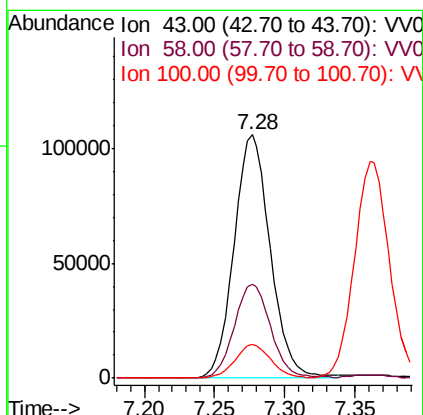
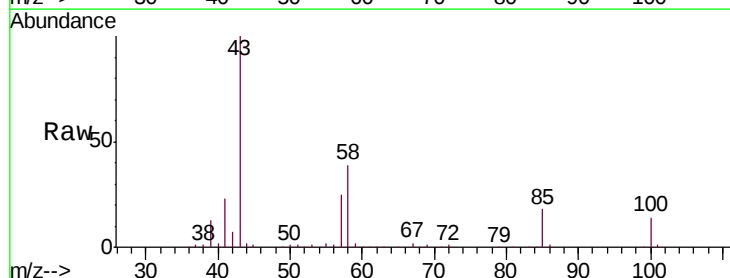
Tgt Ion: 75 Resp: 113691
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.6 42.0

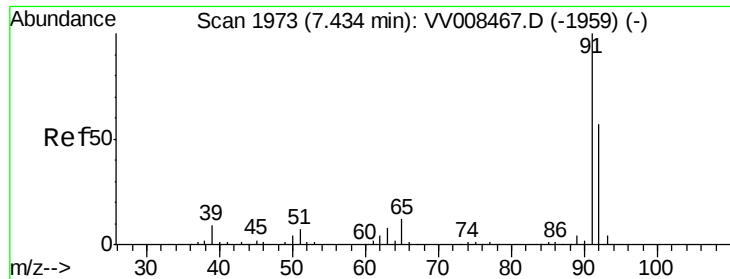


#40

4-Methyl-2-pentanone
 Concen: 76.334 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV008502.D
 Acq: 01 Nov 2018 09:56

Tgt Ion: 43 Resp: 191188
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.9 46.3
 100 13.6 10.9 16.3





#42

Toluene

Concen: 42.593 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008502.D

Acq: 01 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

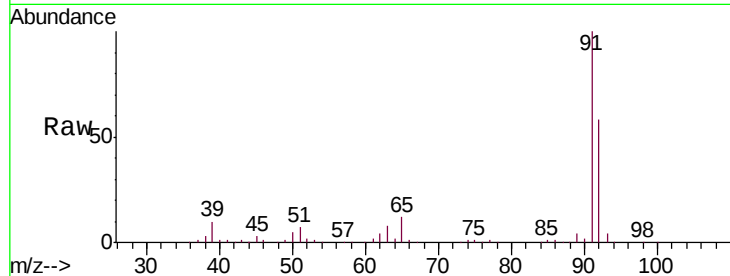
BFB55

Tgt Ion: 91 Resp: 268760

Ion Ratio Lower Upper

91 100

92 57.7 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VV008467.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV008467.D (-1959) (-)

7.43

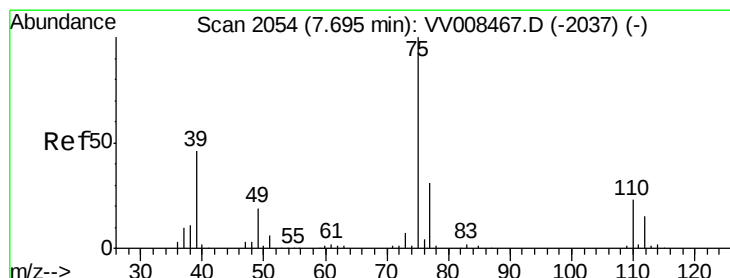
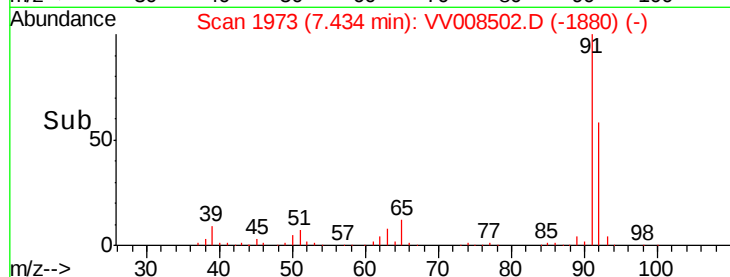
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 42.249 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV008502.D

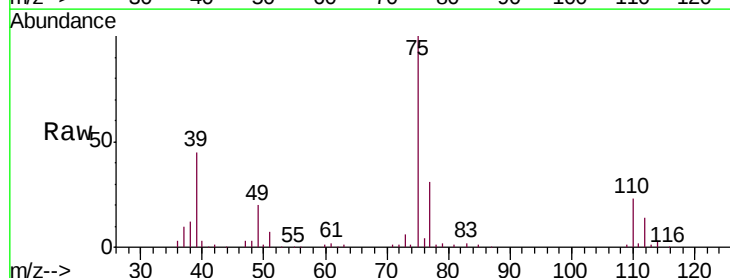
Acq: 01 Nov 2018 09:56

Tgt Ion: 75 Resp: 105156

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV008467.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV008467.D (-2037) (-)

7.69

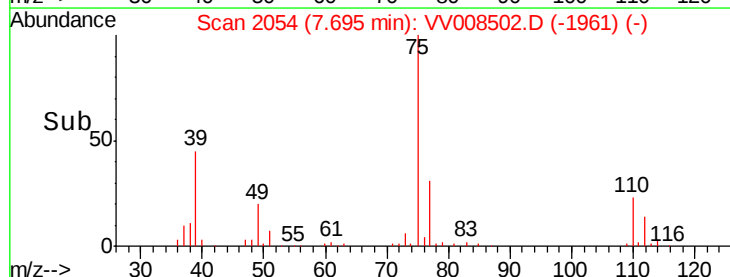
60000

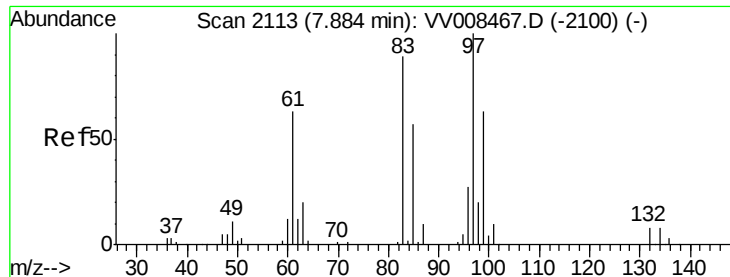
40000

20000

0

Time-->

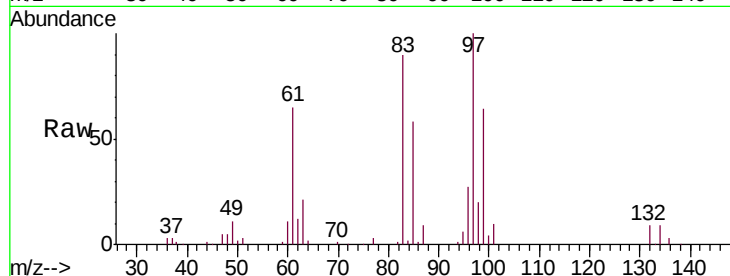




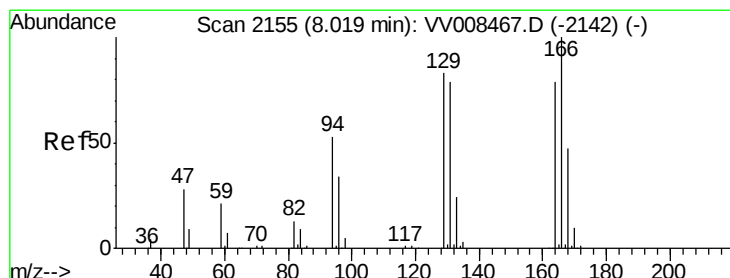
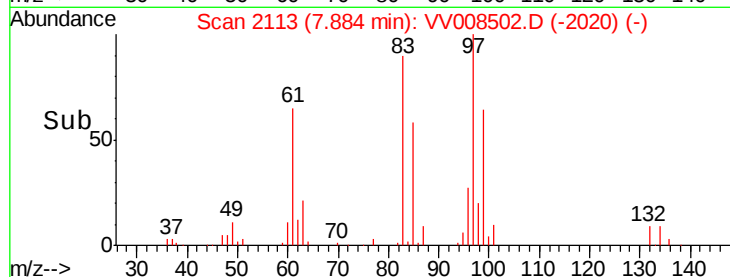
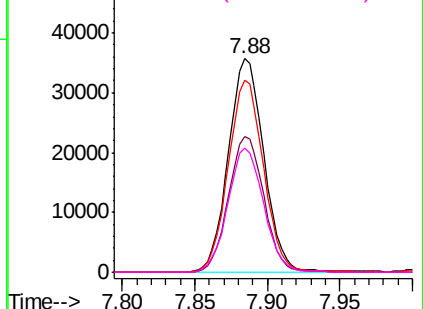
#45
1,1,2-Trichloroethane
Concen: 41.053 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VV008502.D
Acq: 01 Nov 2018 09:56

Instrument :
MSVOA_V
ClientSampleId :
BFB55

Tgt Ion:	97	Resp:	60641
Ion	Ratio	Lower	Upper
97	100		
99	63.6	43.3	80.3
83	90.1	61.9	114.9
85	58.3	40.9	75.9

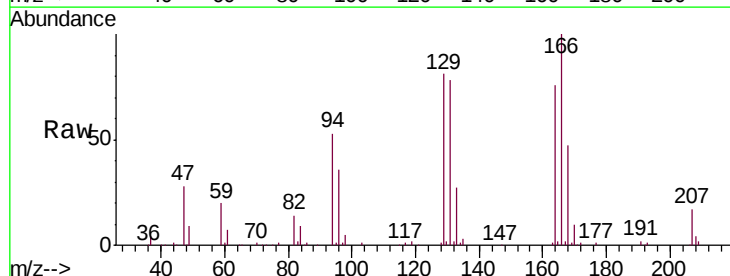


Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0

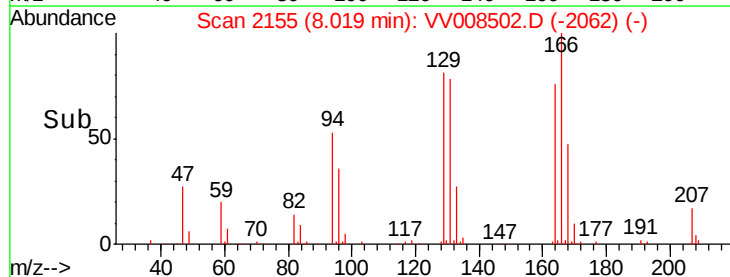
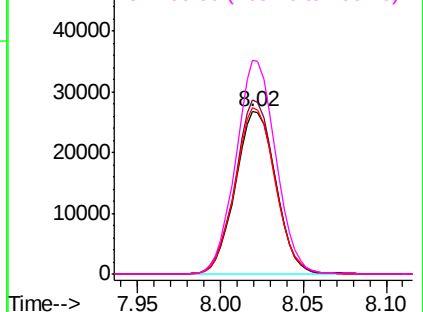


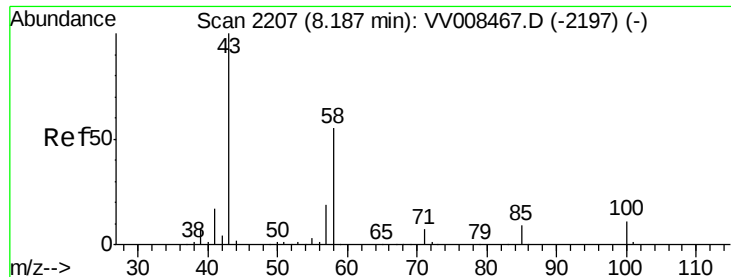
#46
Tetrachloroethene
Concen: 42.309 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV008502.D
Acq: 01 Nov 2018 09:56

Tgt Ion:	164	Resp:	45667
Ion	Ratio	Lower	Upper
164	100		
129	106.9	75.0	139.2
131	102.3	71.3	132.3
166	131.6	89.2	165.6



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

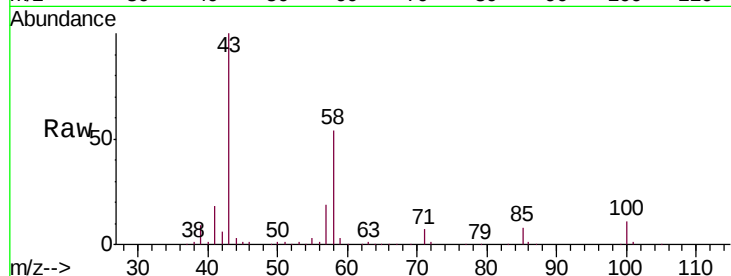




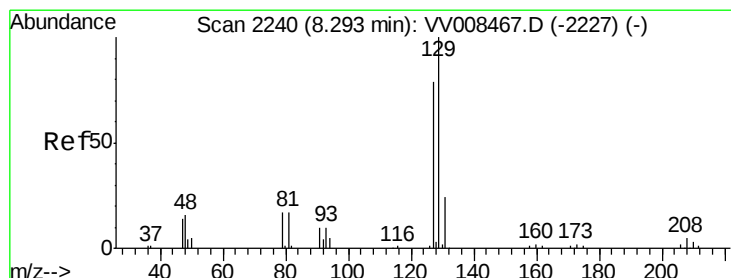
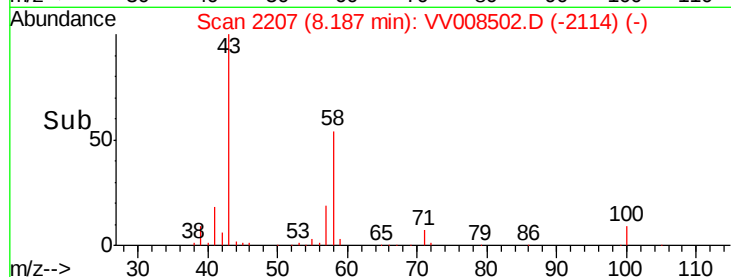
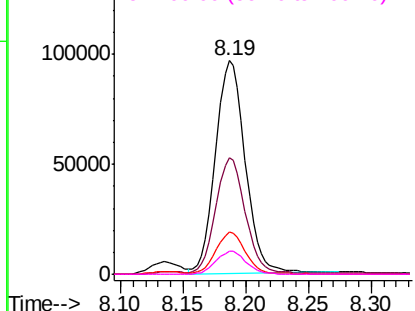
#48
2-Hexanone
Concen: 79.091 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV008502.D
Acq: 01 Nov 2018 09:56

Instrument :
MSVOA_V
ClientSampleId :
BFB55

Tgt Ion:	43	Resp:	159795
Ion	Ratio	Lower	Upper
43	100		
58	53.5	42.6	63.8
57	19.1	14.8	22.2
100	11.0	8.5	12.7

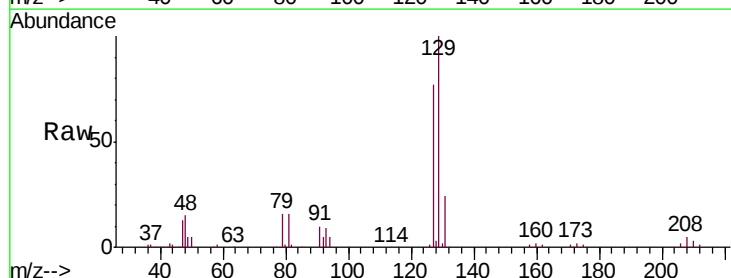


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

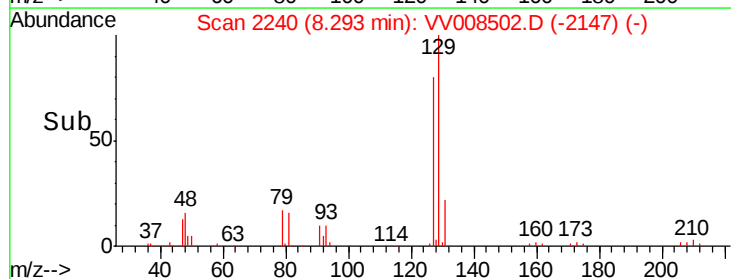
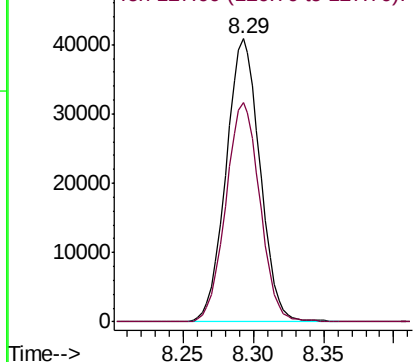


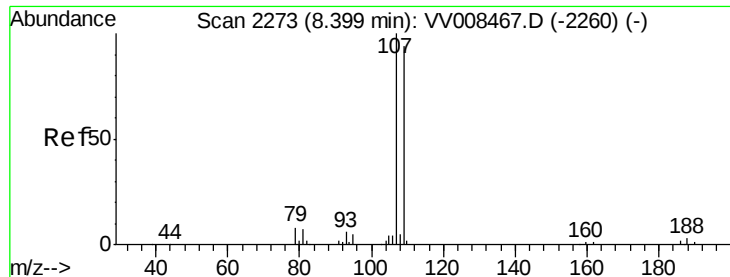
#49
Dibromochloromethane
Concen: 43.079 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008502.D
Acq: 01 Nov 2018 09:56

Tgt Ion:	129	Resp:	68726
Ion	Ratio	Lower	Upper
129	100		
127	77.5	54.9	101.9



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

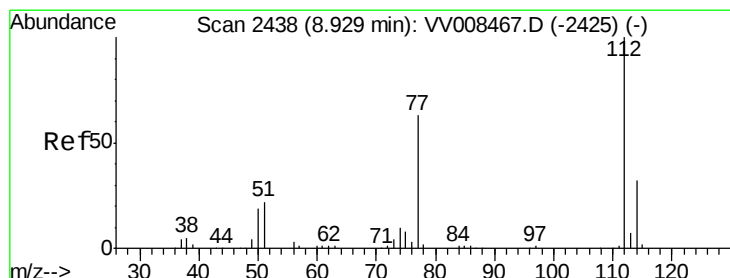
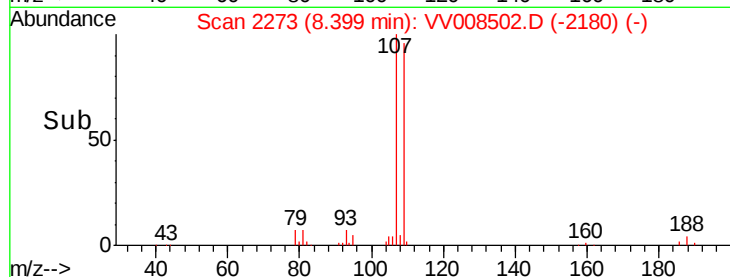
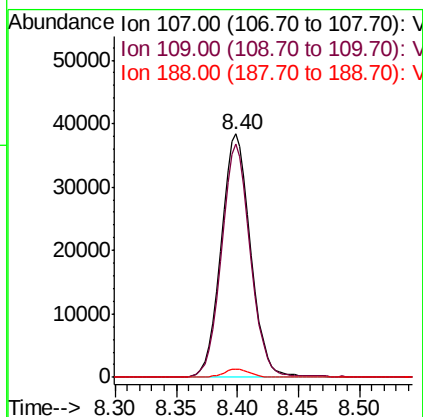
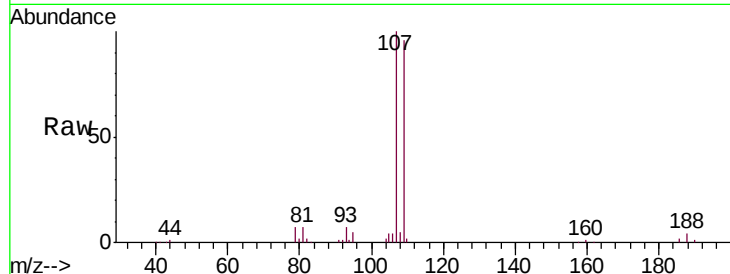




#50
1,2-Dibromoethane
Concen: 41.601 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008502.D
Acq: 01 Nov 2018 09:56

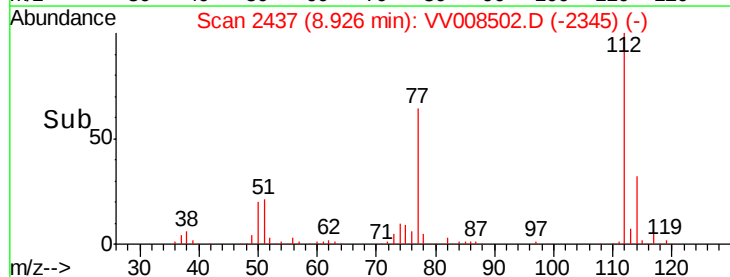
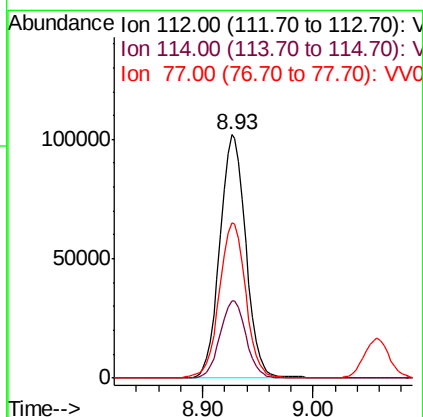
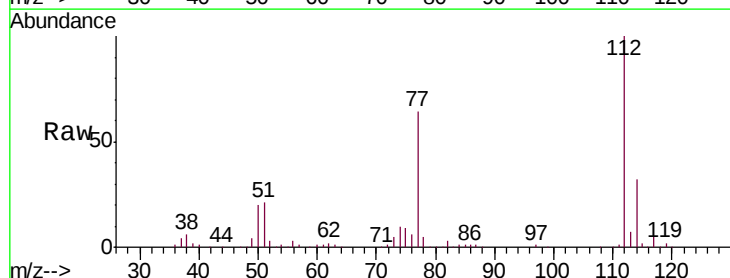
Instrument :
MSVOA_V
ClientSampleId :
BFB55

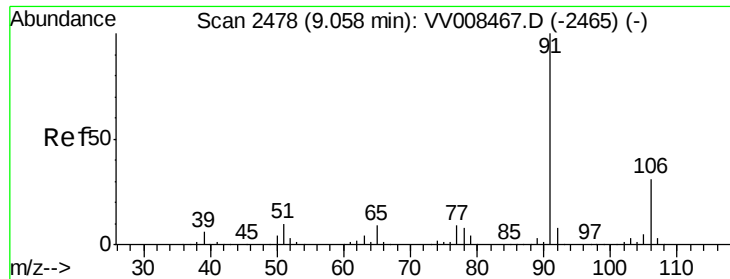
Tgt Ion:107 Resp: 65089
Ion Ratio Lower Upper
107 100
109 95.6 65.2 121.2
188 3.6 2.3 3.5#



#51
Chlorobenzene
Concen: 41.866 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008502.D
Acq: 01 Nov 2018 09:56

Tgt Ion:112 Resp: 166387
Ion Ratio Lower Upper
112 100
114 31.8 22.5 41.7
77 63.7 52.0 78.0





#52

Ethylbenzene

Concen: 41.869 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008502.D

Acq: 01 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

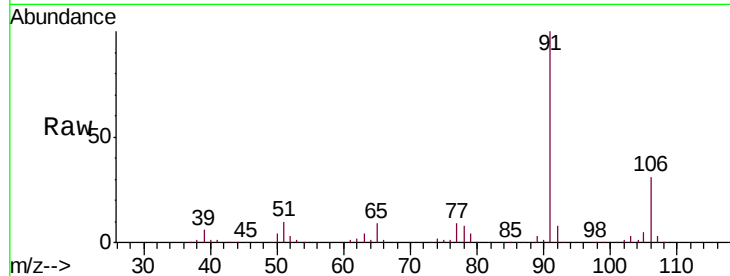
BFB55

Tgt Ion: 91 Resp: 299556

Ion Ratio Lower Upper

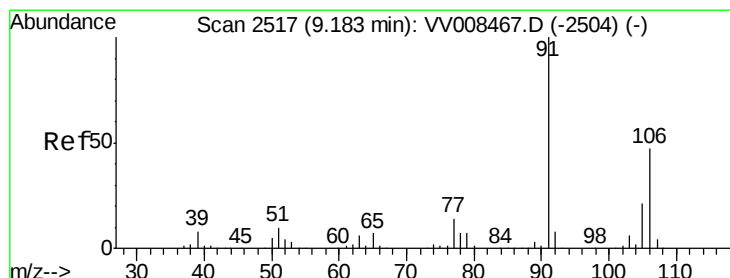
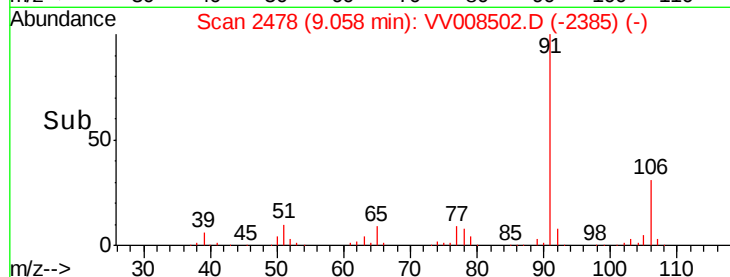
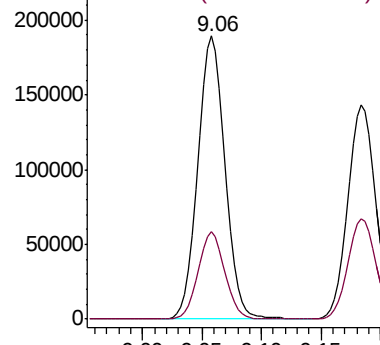
91 100

106 30.9 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 41.282 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008502.D

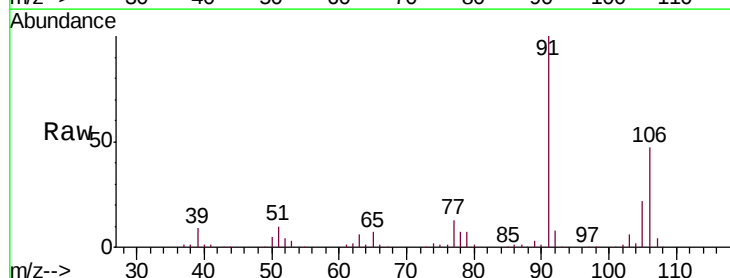
Acq: 01 Nov 2018 09:56

Tgt Ion: 106 Resp: 109914

Ion Ratio Lower Upper

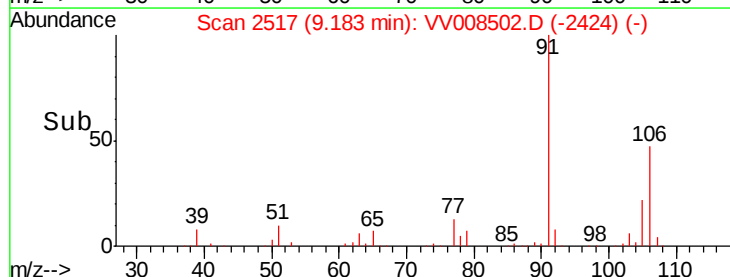
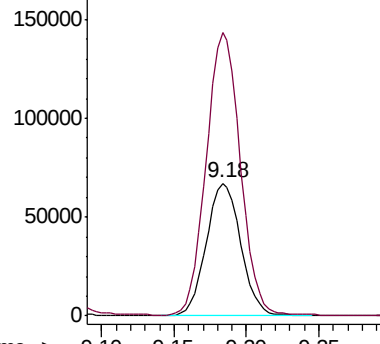
106 100

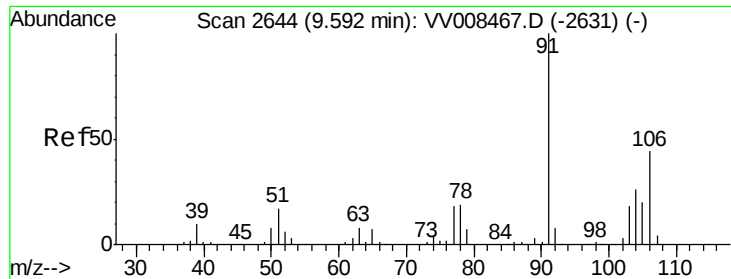
91 213.6 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#54

o-xylene

Concen: 41.177 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV008502.D

Acq: 01 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

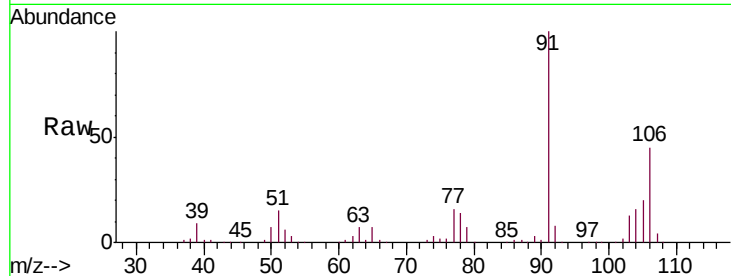
BFB55

Tgt Ion:106 Resp: 108202

Ion Ratio Lower Upper

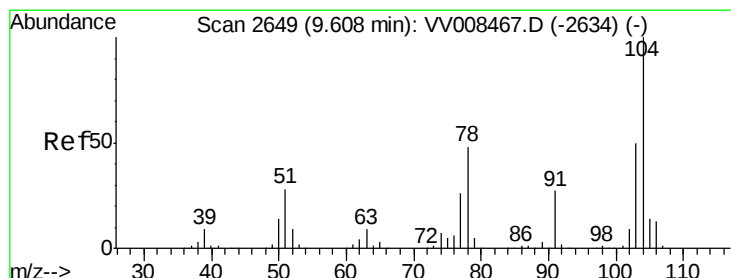
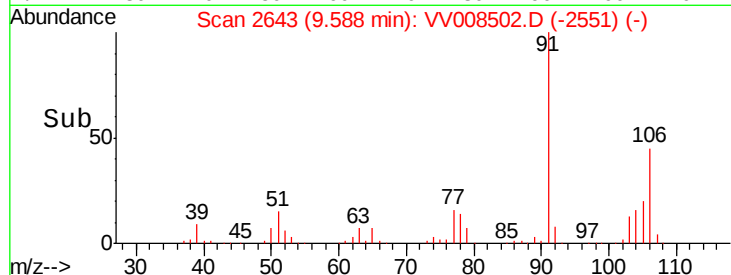
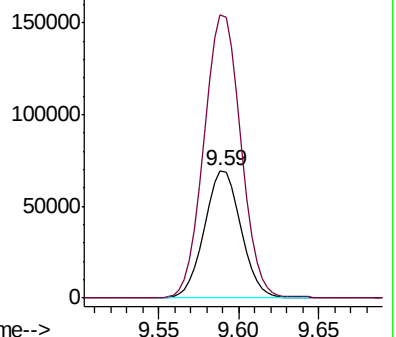
106 100

91 222.0 158.7 294.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 40.460 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008502.D

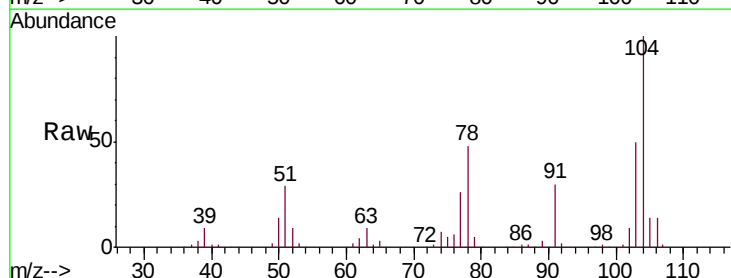
Acq: 01 Nov 2018 09:56

Tgt Ion:104 Resp: 180527

Ion Ratio Lower Upper

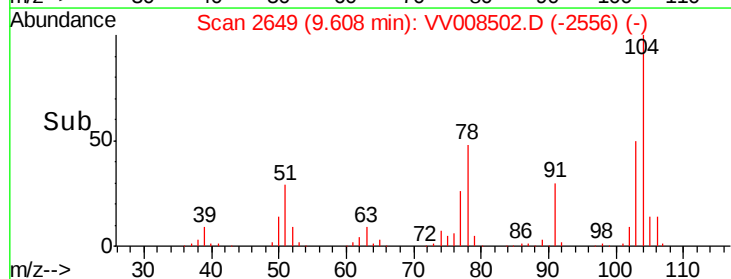
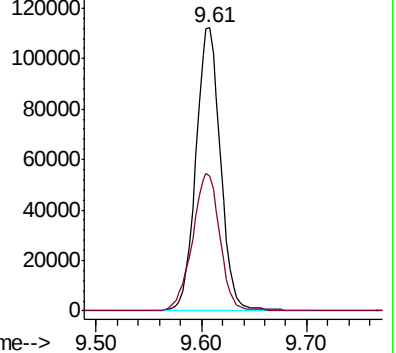
104 100

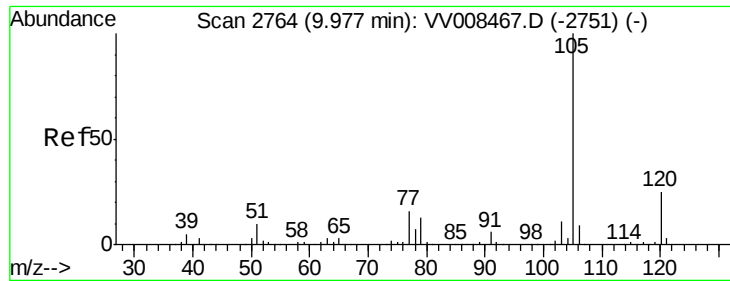
78 47.5 34.4 64.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 42.113 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008502.D

Acq: 01 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

BFB55

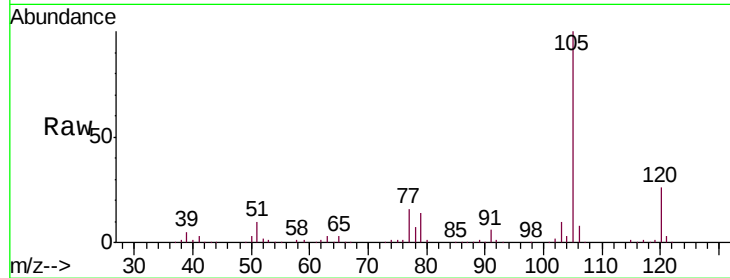
Tgt Ion: 105 Resp: 288264

Ion Ratio Lower Upper

105 100

120 26.1 20.7 31.1

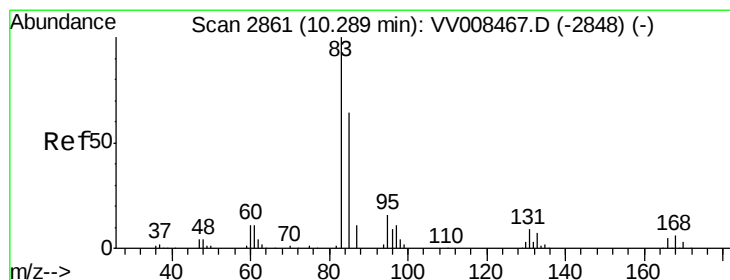
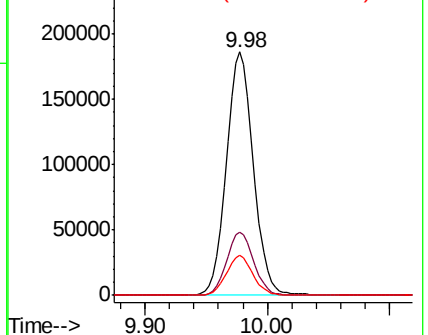
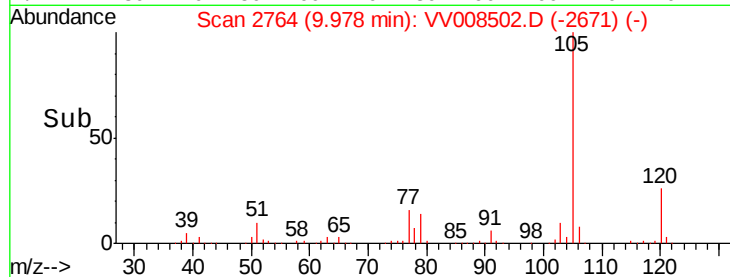
77 16.2 13.5 20.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 38.605 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008502.D

Acq: 01 Nov 2018 09:56

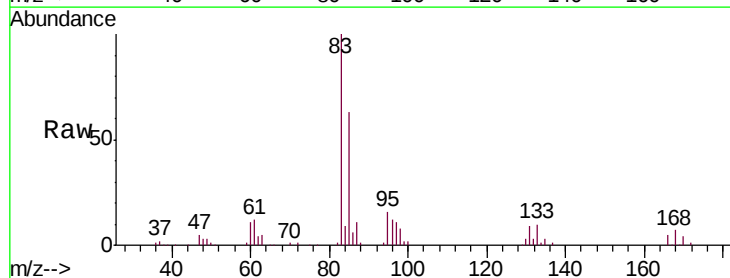
Tgt Ion: 83 Resp: 102936

Ion Ratio Lower Upper

83 100

85 63.1 45.8 85.2

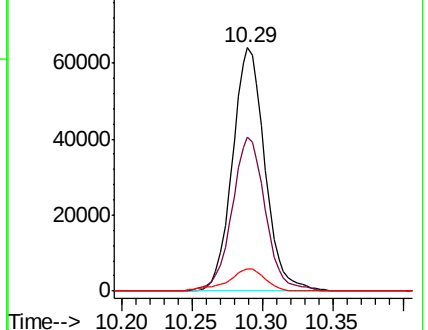
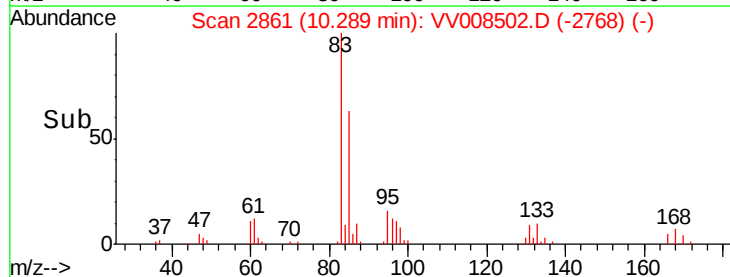
131 9.3 7.3 10.9

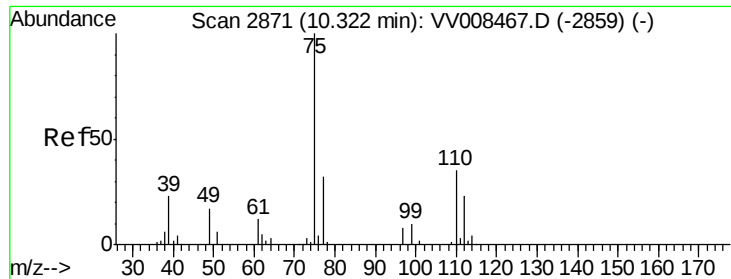


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 37.904 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV008502.D

Acq: 01 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

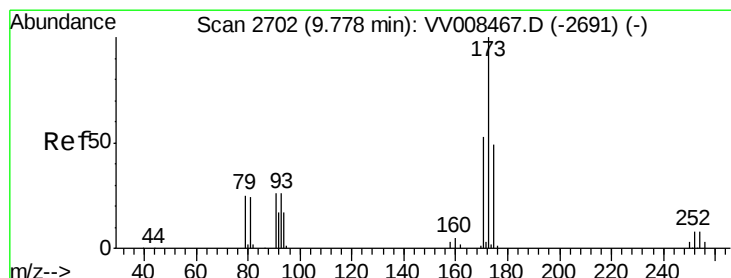
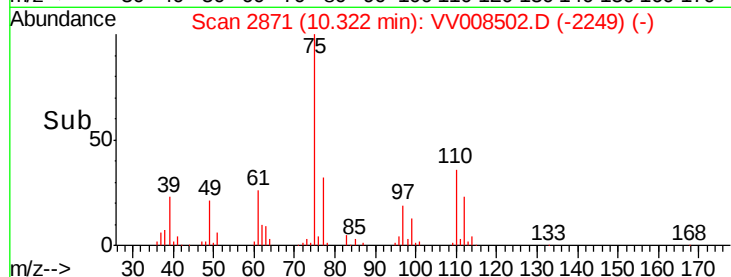
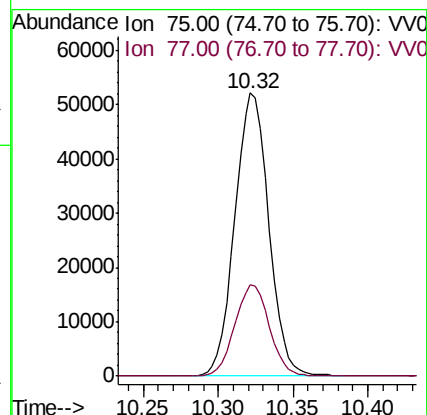
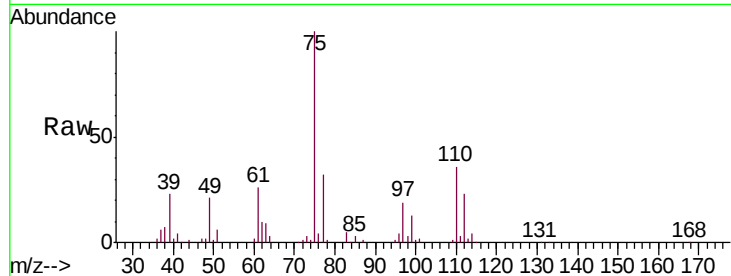
BFB55

Tgt Ion: 75 Resp: 82450

Ion Ratio Lower Upper

75 100

77 32.9 25.8 38.8



#61

Bromoform

Concen: 42.756 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV008502.D

Acq: 01 Nov 2018 09:56

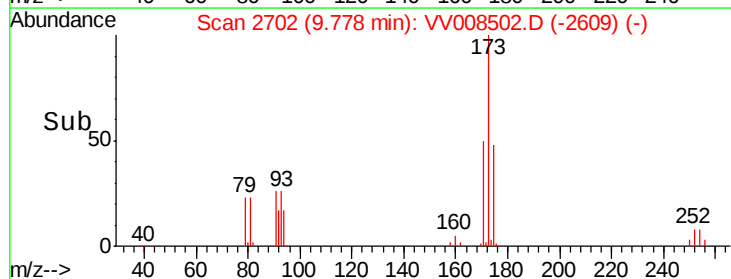
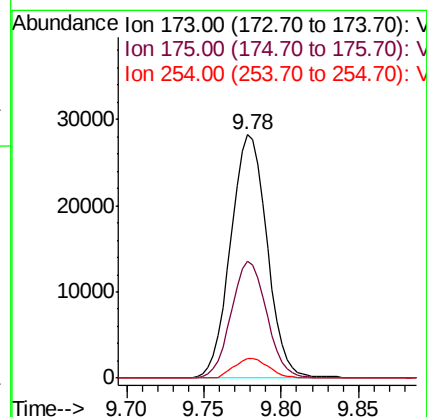
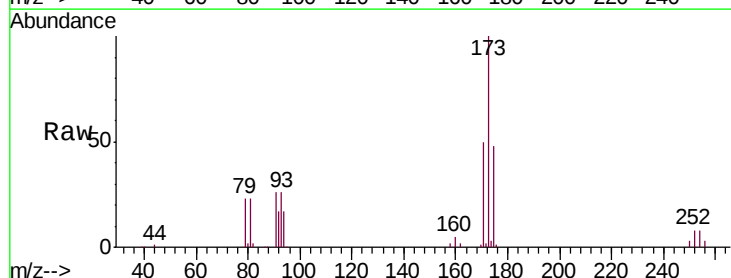
Tgt Ion: 173 Resp: 46132

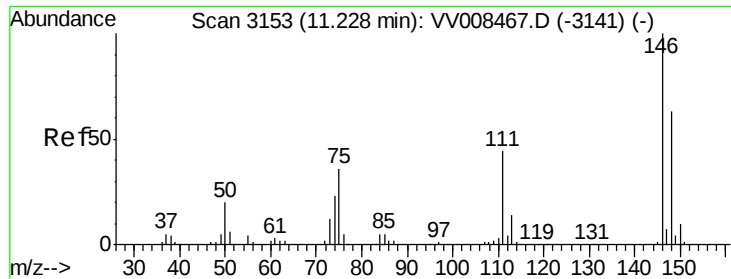
Ion Ratio Lower Upper

173 100

175 47.0 38.6 57.8

254 7.6 5.9 8.9

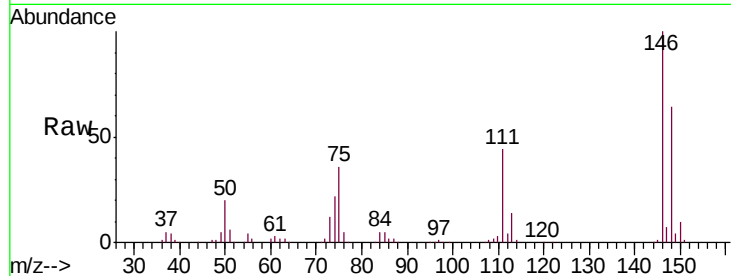




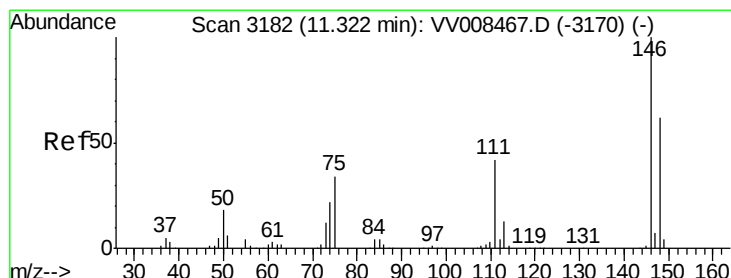
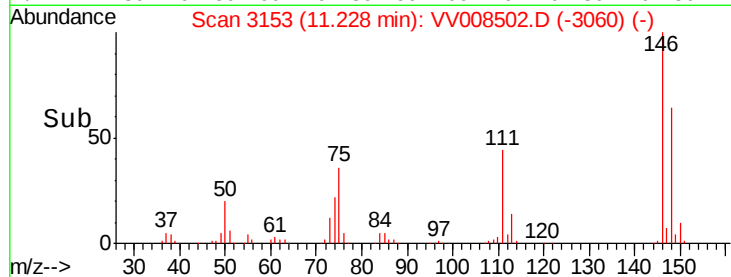
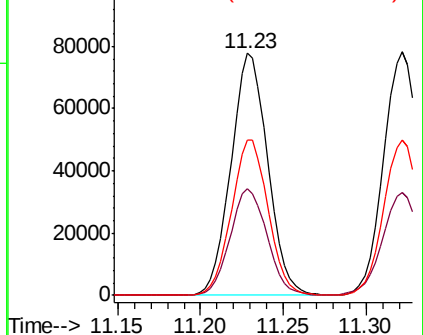
#62
 1,3-Dichlorobenzene
 Concen: 40.535 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV008502.D
 Acq: 01 Nov 2018 09:56

Instrument :
 MSVOA_V
 ClientSampled :
 BFB55

Tgt Ion:146 Resp: 120032
 Ion Ratio Lower Upper
 146 100
 111 44.1 30.9 57.3
 148 64.5 44.1 81.9

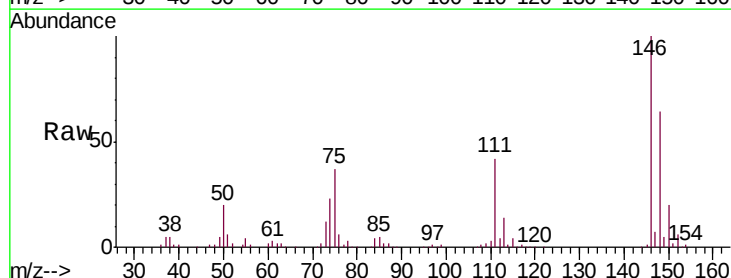


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

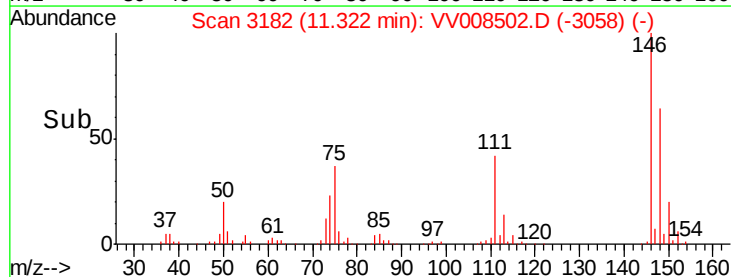
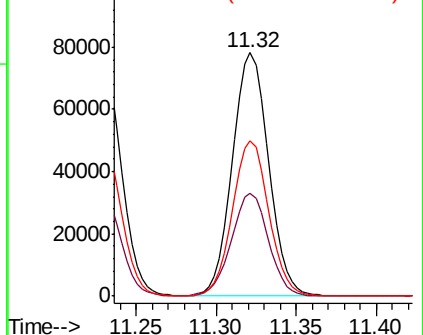


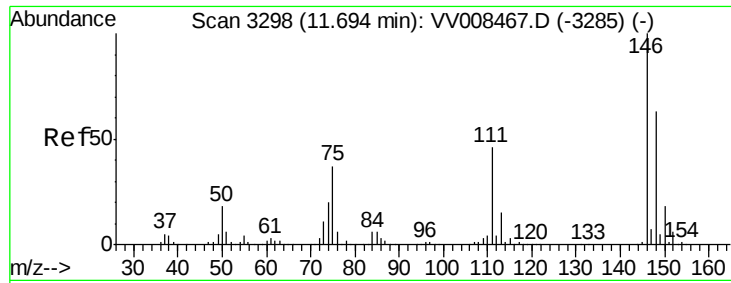
#63
 1,4-Dichlorobenzene
 Concen: 40.439 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008502.D
 Acq: 01 Nov 2018 09:56

Tgt Ion:146 Resp: 120494
 Ion Ratio Lower Upper
 146 100
 111 42.5 29.8 55.4
 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

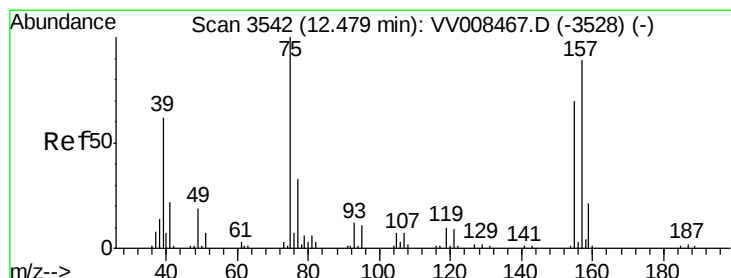
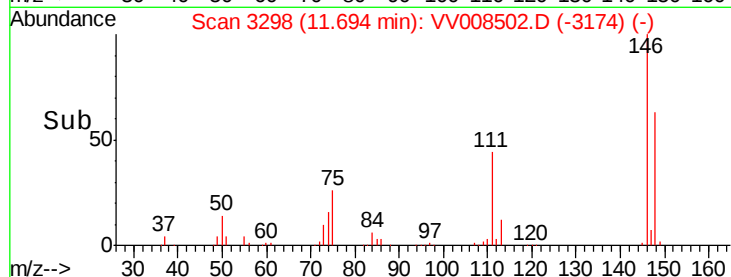
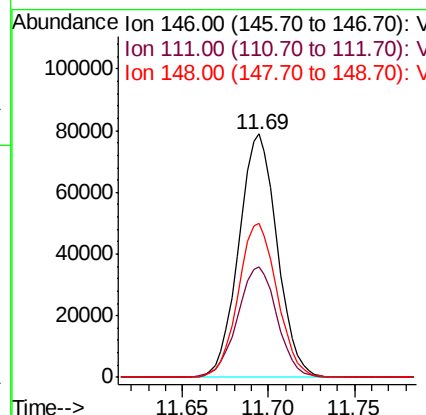
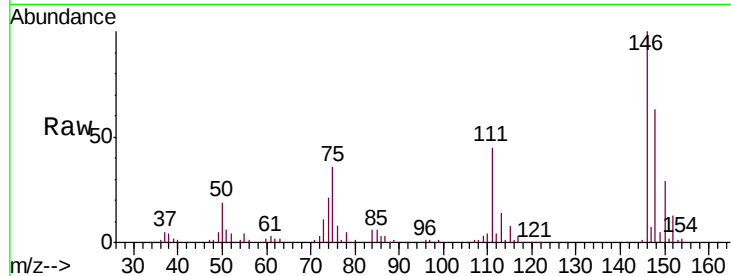




#65
 1,2-Dichlorobenzene
 Concen: 41.473 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV008502.D
 Acq: 01 Nov 2018 09:56

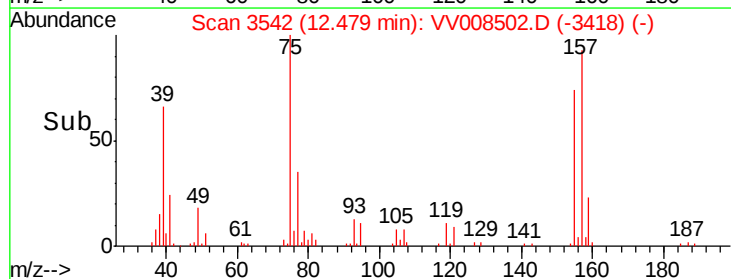
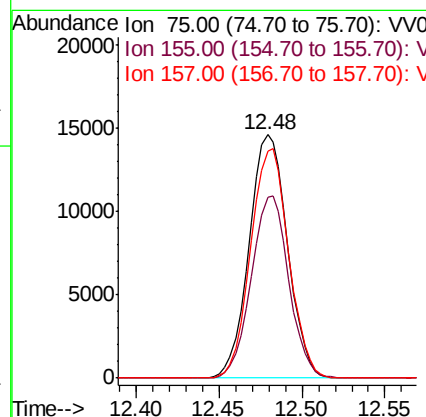
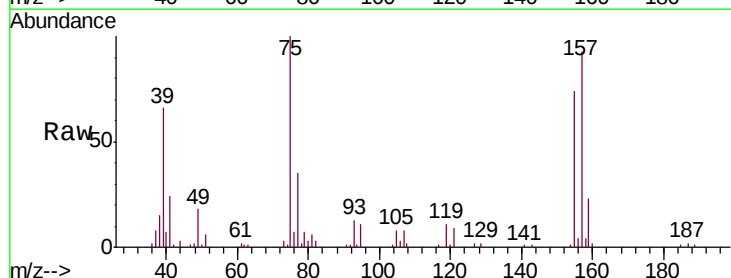
Instrument :
 MSVOA_V
 ClientSampled :
 BFB55

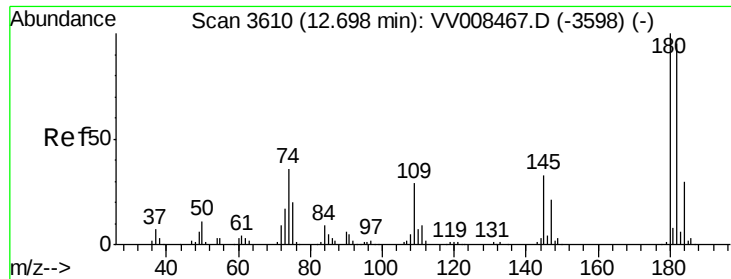
Tgt Ion: 146 Resp: 122543
 Ion Ratio Lower Upper
 146 100
 111 45.3 36.2 54.2
 148 63.3 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 40.055 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV008502.D
 Acq: 01 Nov 2018 09:56

Tgt Ion: 75 Resp: 23396
 Ion Ratio Lower Upper
 75 100
 155 74.3 55.4 83.0
 157 93.5 72.8 109.2

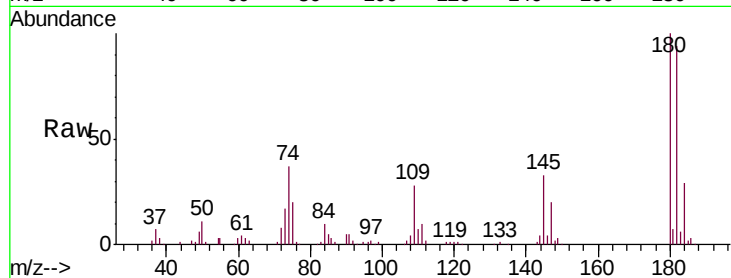




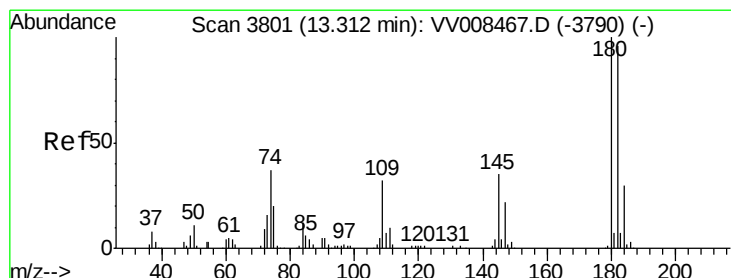
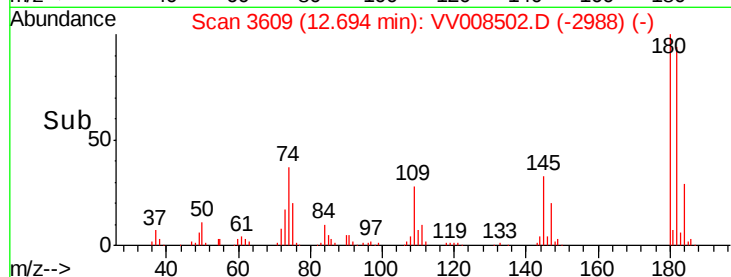
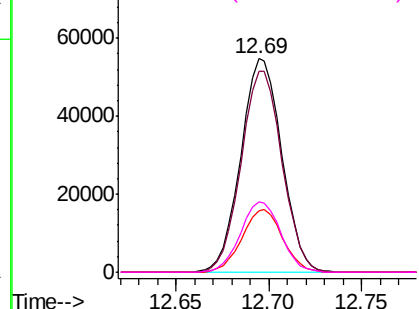
#67
 1,3,5-Trichlorobenzene
 Concen: 43.280 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV008502.D
 Acq: 01 Nov 2018 09:56

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB55

Tgt Ion:180 Resp: 83925
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.9 113.9
 184 29.1 24.1 36.1
 145 32.5 26.8 40.2

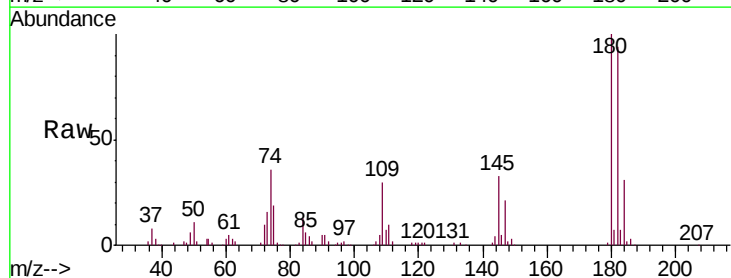


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

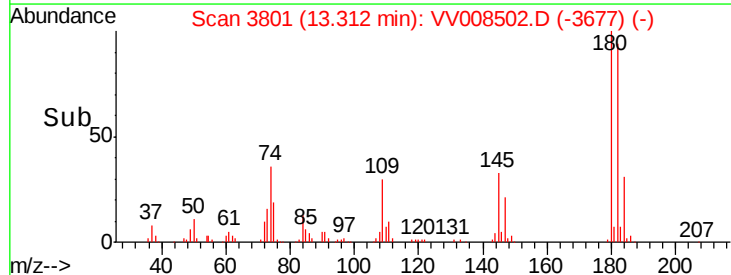
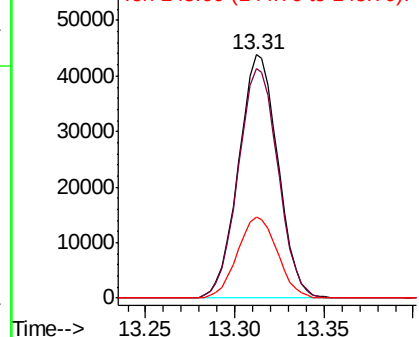


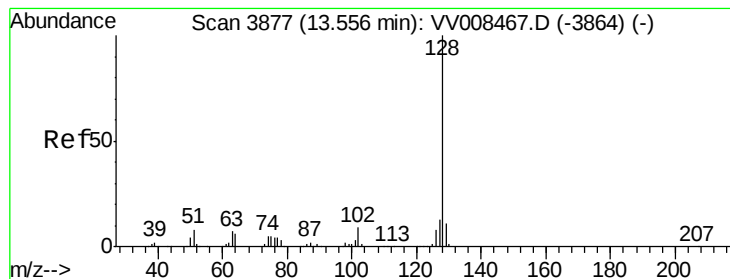
#68
 1,2,4-trichlorobenzene
 Concen: 44.663 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV008502.D
 Acq: 01 Nov 2018 09:56

Tgt Ion:180 Resp: 67254
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.4 113.2
 145 33.8 27.0 40.6



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: 42.676 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV008502.D

Acq: 01 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

BFB55

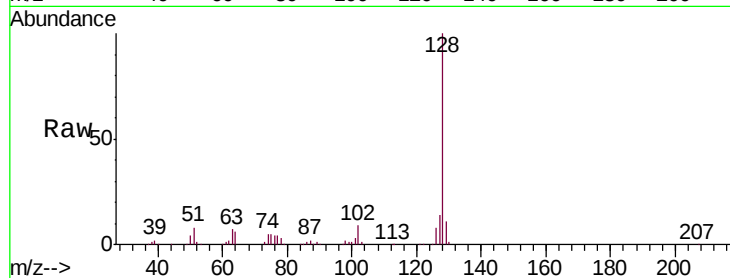
Tgt Ion:128 Resp: 195992

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

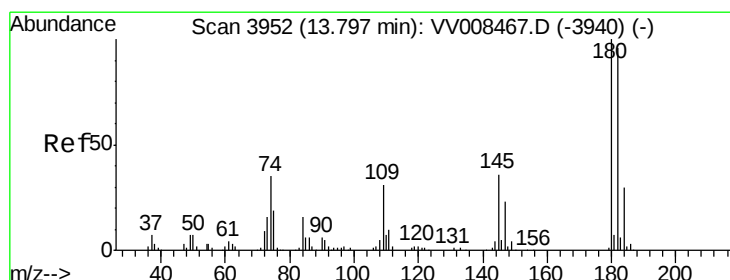
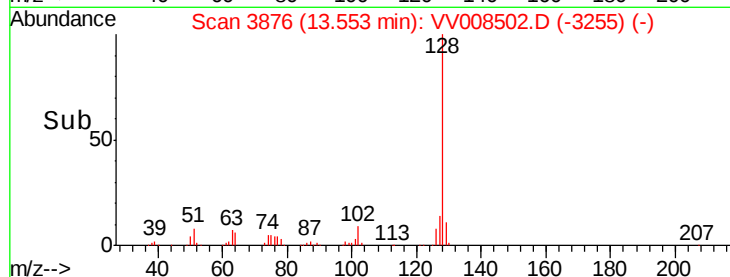
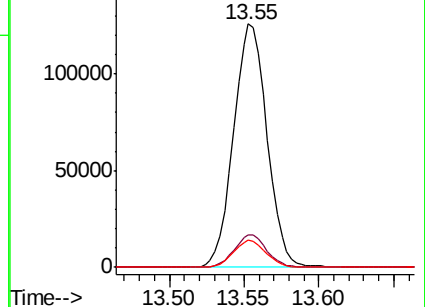
129 10.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 44.153 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008502.D

Acq: 01 Nov 2018 09:56

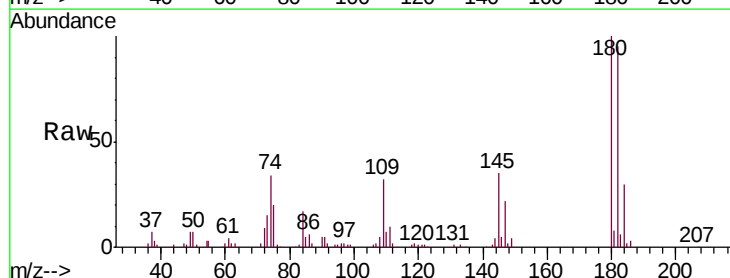
Tgt Ion:180 Resp: 67146

Ion Ratio Lower Upper

180 100

182 94.1 75.7 113.5

145 35.6 28.6 43.0



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

