

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007738.D
 Acq On : 22 Sep 2018 16:39
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB71

Quant Time: Sep 24 02:31:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 24 02:30:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	200127	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	193549	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	111916	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49889	45.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.74%
7) Chloroethane-d5	1.58	69	47924	48.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.98%
11) 1,1-Dichloroethene-d2	2.14	63	125108	48.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.58%
21) 2-Butanone-d5	3.95	46	68489	95.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.34%
24) Chloroform-d	4.41	84	112202	48.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.36%
26) 1,2-Dichloroethane-d4	5.09	65	71442	48.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.20%
32) Benzene-d6	5.10	84	213243	47.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.86%
36) 1,2-Dichloropropane-d6	6.12	67	62633	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.34%
41) Toluene-d8	7.36	98	227486	48.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.86%
43) trans-1,3-Dichloropropene-	7.67	79	33167	50.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.14%
47) 2-Hexanone-d5	8.14	63	51415	88.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.87%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	98415	47.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.98%
64) 1,2-Dichlorobenzene-d4	11.68	152	108107	46.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.92%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	68476	49.281	ug/L 99
3) Chloromethane	1.25	50	54055	48.402	ug/L 98
5) Vinyl chloride	1.33	62	63101	48.779	ug/L 99
6) Bromomethane	1.54	94	51892	51.282	ug/L 96
8) Chloroethane	1.60	64	41960	48.513	ug/L 99
9) Trichlorofluoromethane	1.77	101	130580	48.949	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	75904	50.165	ug/L 99
12) 1,1-Dichloroethene	2.15	96	65509	49.353	ug/L 90
13) Acetone	2.19	43	69390	91.530	ug/L 100
14) Carbon disulfide	2.33	76	168331	47.871	ug/L 99
15) Methyl Acetate	2.46	43	62980	46.932	ug/L 99
16) Methylene chloride	2.54	84	70458	48.397	ug/L 100
17) trans-1,2-Dichloroethene	2.79	96	71758	47.920	ug/L 97
18) Methyl tert-butyl Ether	2.81	73	212962	48.193	ug/L 99
19) 1,1-Dichloroethane	3.23	63	92854	49.079	ug/L 98
20) cis-1,2-Dichloroethene	3.97	96	65775	48.975	ug/L 100
22) 2-Butanone	4.04	43	76628	93.377	ug/L 98

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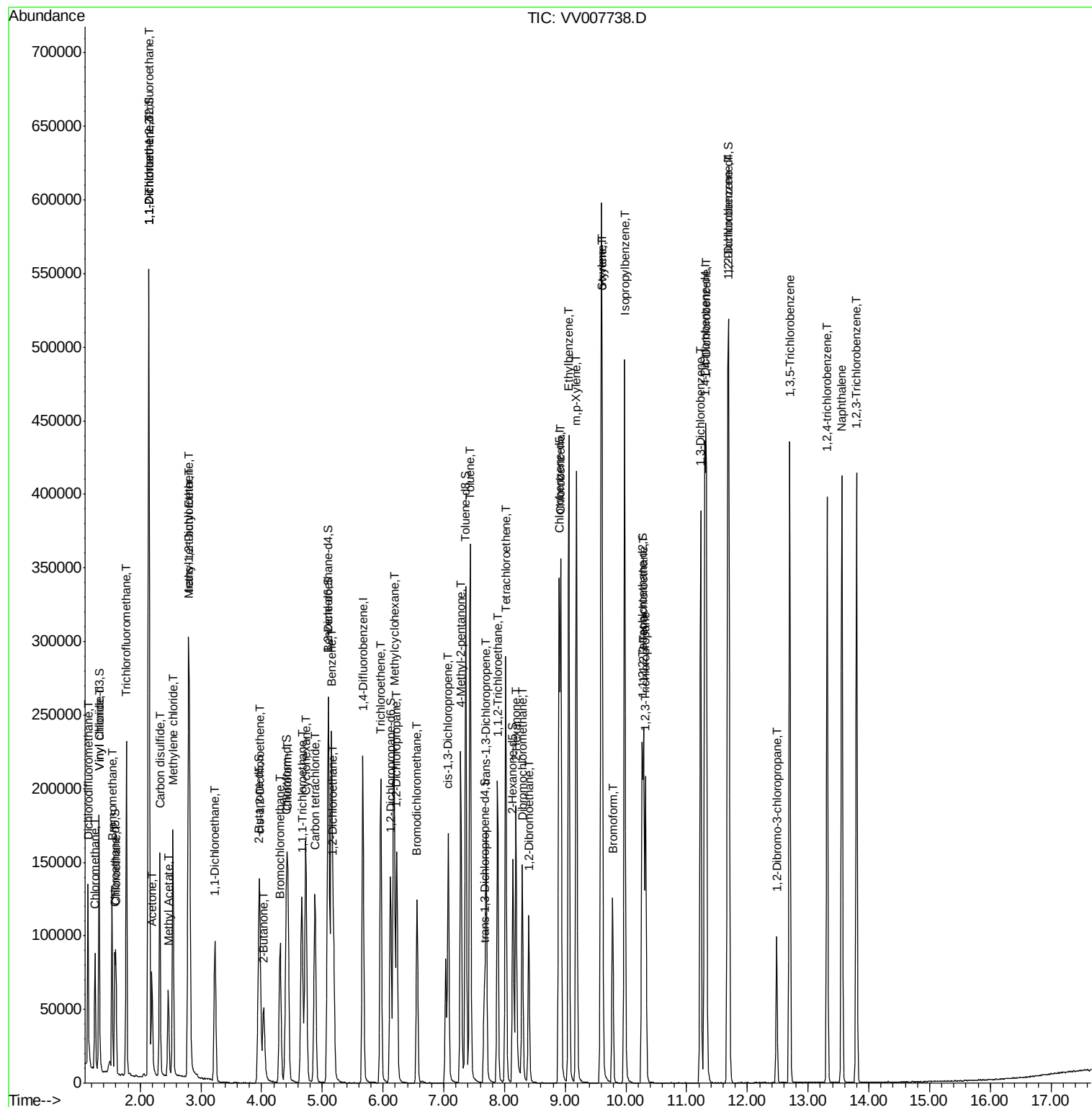
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	36504	49.044	ug/L	97
25) Chloroform	4.43	83	110180	49.127	ug/L	98
27) 1,2-Dichloroethane	5.19	62	86511	47.554	ug/L	99
29) Cyclohexane	4.73	56	84310	49.812	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	101637	49.068	ug/L	100
31) Carbon tetrachloride	4.88	117	95502	49.902	ug/L	100
33) Benzene	5.15	78	232867	50.229	ug/L	100
34) Trichloroethene	5.96	95	66491	48.494	ug/L	98
35) Methylcyclohexane	6.18	83	109225	52.011	ug/L	98
37) 1,2-Dichloropropane	6.23	63	57546	49.300	ug/L	100
38) Bromodichloromethane	6.56	83	79188	49.346	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	95424	50.854	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	146445	94.873	ug/L	99
42) Toluene	7.43	91	269347	49.013	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	90579	50.843	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	64221	48.960	ug/L	96
46) Tetrachloroethene	8.02	164	69676	49.651	ug/L	99
48) 2-Hexanone	8.19	43	115180	96.868	ug/L	97
49) Dibromochloromethane	8.30	129	74508	50.061	ug/L	99
50) 1,2-Dibromoethane	8.40	107	71684	48.680	ug/L	100
51) Chlorobenzene	8.93	112	192634	48.663	ug/L	100
52) Ethylbenzene	9.06	91	308961	49.731	ug/L	99
53) m,p-Xylene	9.18	106	121879	49.022	ug/L	100
54) o-xylene	9.59	106	118468	48.847	ug/L	99
55) Styrene	9.61	104	206361	49.874	ug/L	100
56) Isopropylbenzene	9.98	105	322607	49.329	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	100379	48.094	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	78935	47.821	ug/L	100
61) Bromoform	9.78	173	56639	48.637	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	170319	47.997	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	175759	47.752	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	172917	48.192	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	21221	48.905	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	146466	49.145	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	128855	48.174	ug/L	100
69) Naphthalene	13.56	128	337076	49.152	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	132009	48.828	ug/L	98

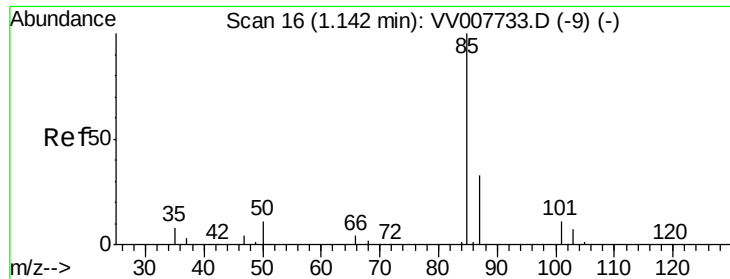
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.281 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

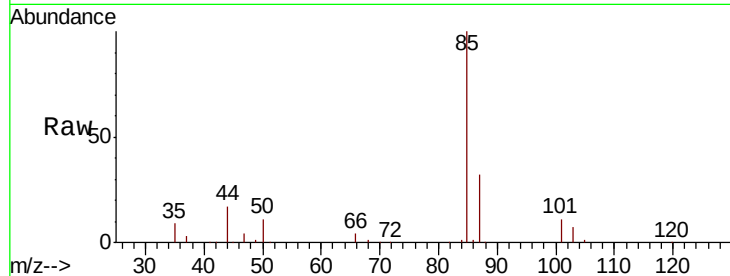
BFB71

Tgt Ion: 85 Resp: 68476

Ion Ratio Lower Upper

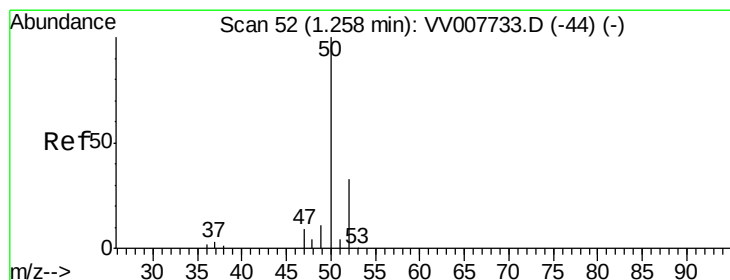
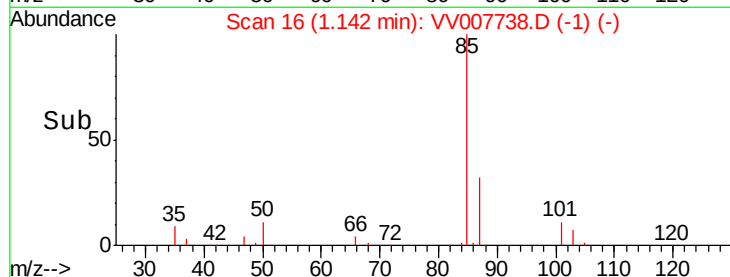
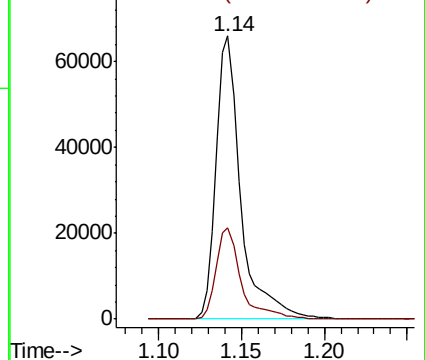
85 100

87 32.8 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 48.402 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007738.D

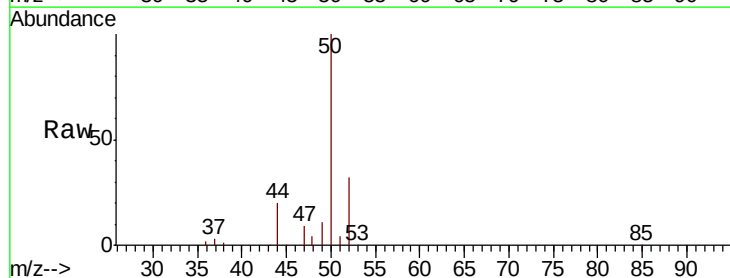
Acq: 22 Sep 2018 16:39

Tgt Ion: 50 Resp: 54055

Ion Ratio Lower Upper

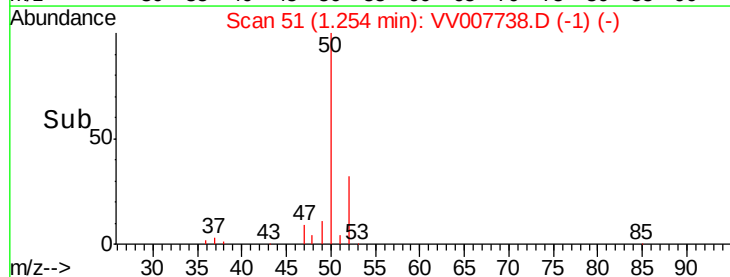
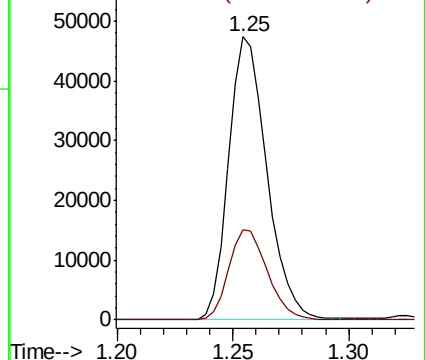
50 100

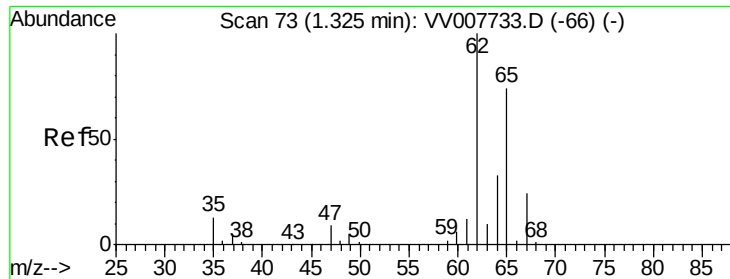
52 32.0 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 48.779 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

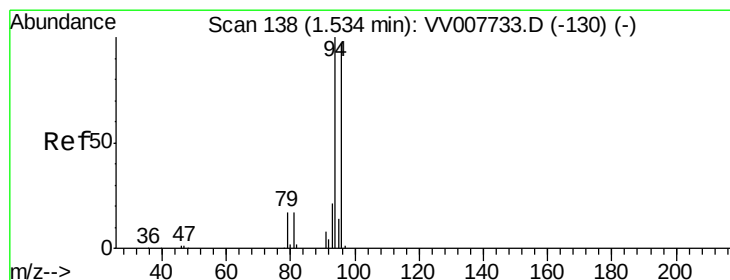
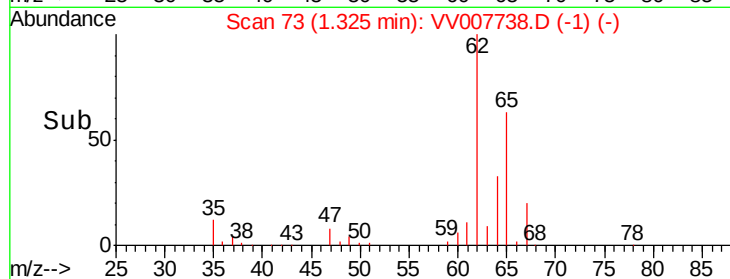
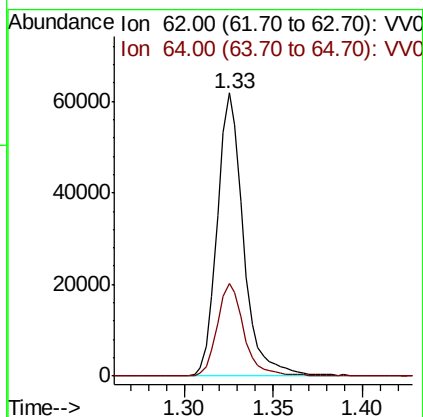
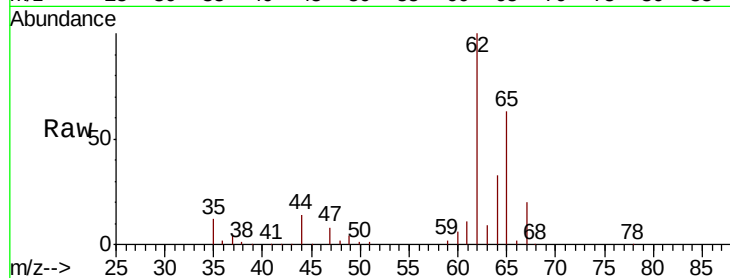
BFB71

Tgt Ion: 62 Resp: 63101

Ion Ratio Lower Upper

62 100

64 32.8 23.4 43.6



#6

Bromomethane

Concen: 51.282 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV007738.D

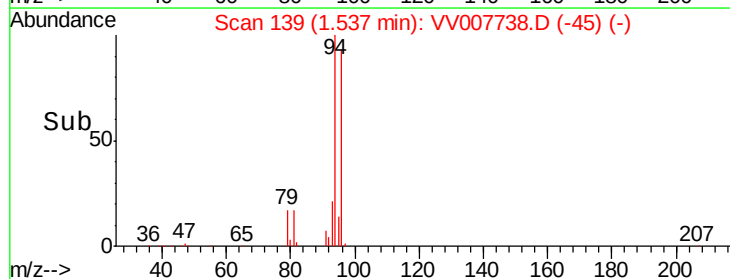
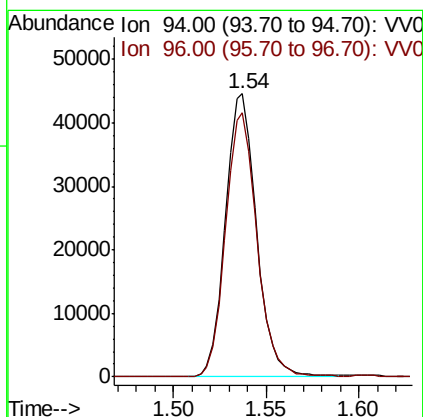
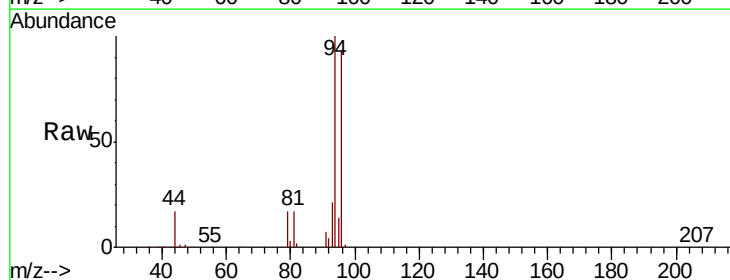
Acq: 22 Sep 2018 16:39

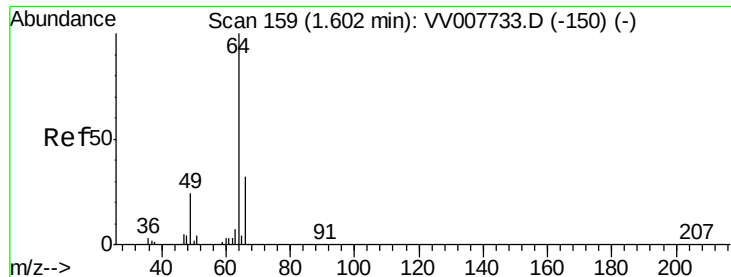
Tgt Ion: 94 Resp: 51892

Ion Ratio Lower Upper

94 100

96 93.4 68.2 126.6





#8

Chloroethane

Concen: 48.513 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

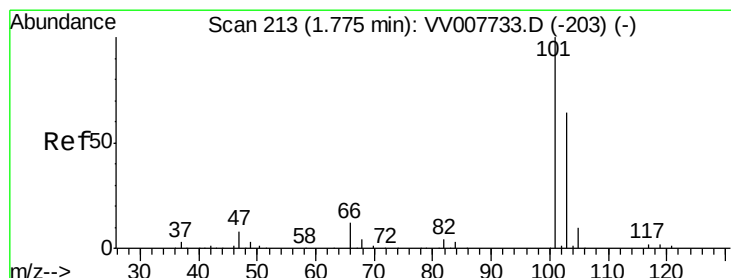
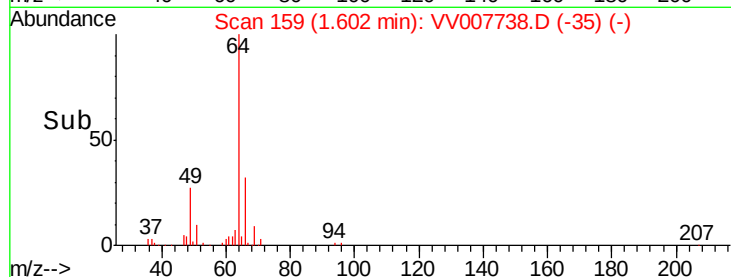
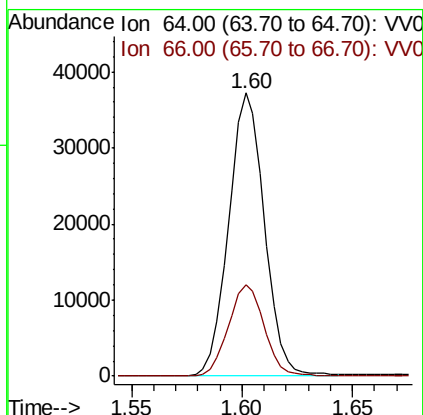
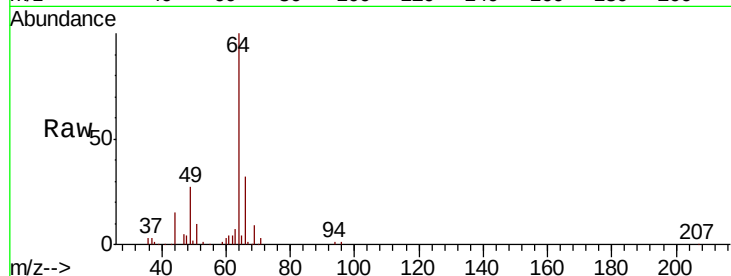
BFB71

Tgt Ion: 64 Resp: 41960

Ion Ratio Lower Upper

64 100

66 32.2 22.3 41.5



#9

Trichlorofluoromethane

Concen: 48.949 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV007738.D

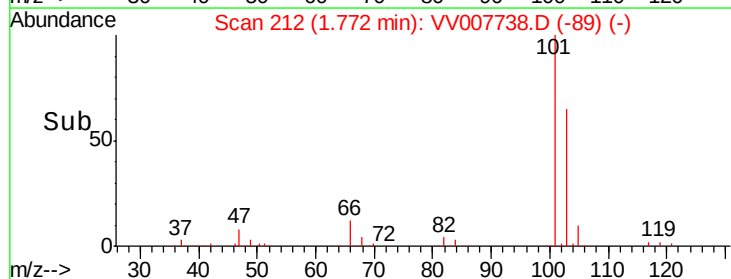
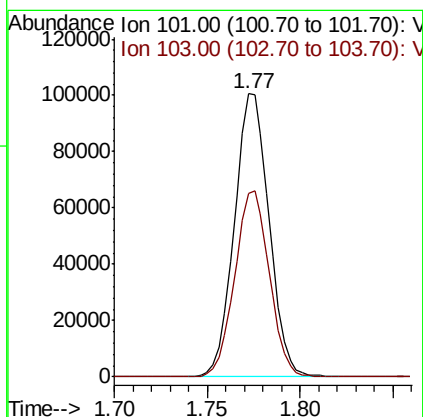
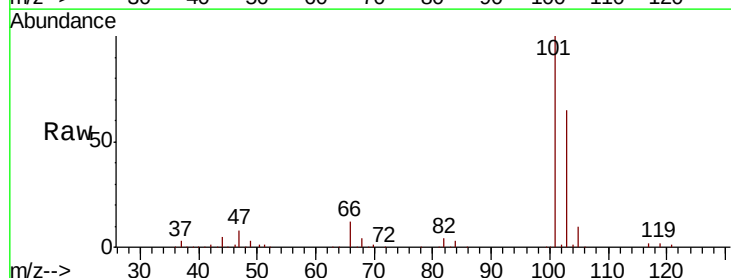
Acq: 22 Sep 2018 16:39

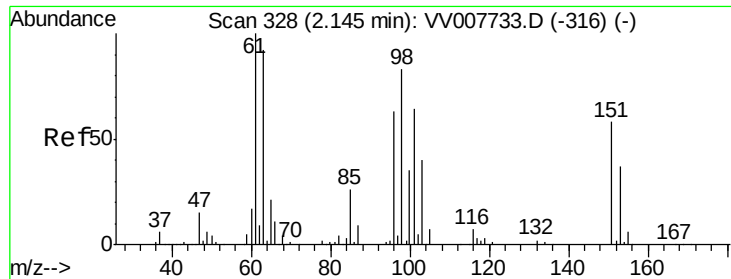
Tgt Ion: 101 Resp: 130580

Ion Ratio Lower Upper

101 100

103 65.7 51.4 77.2





#10

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

Concen: 50.165 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

BFB71

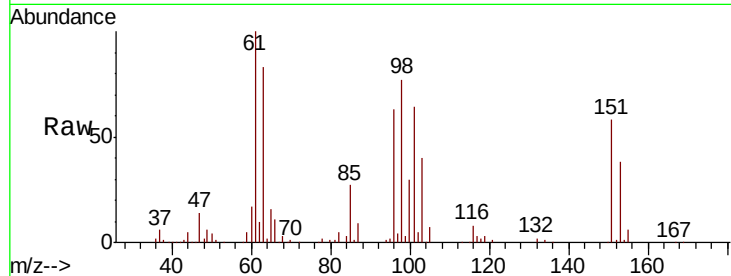
Tgt Ion:101 Resp: 75904

Ion Ratio Lower Upper

101 100

85 42.0 32.7 49.1

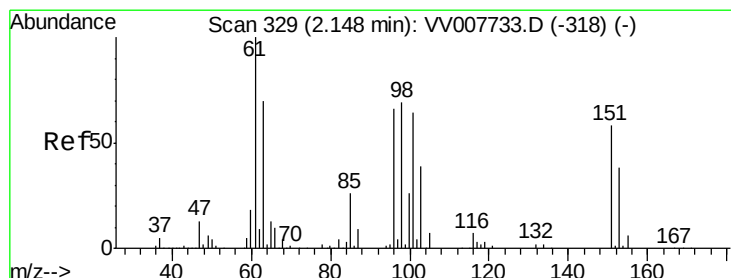
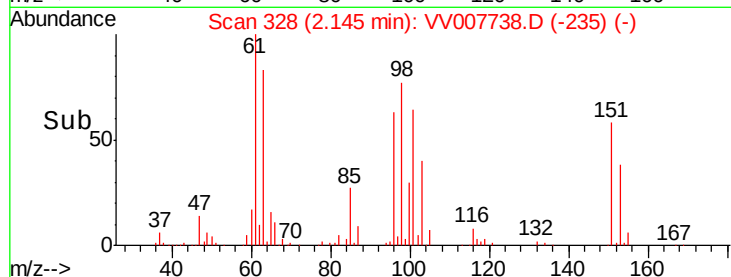
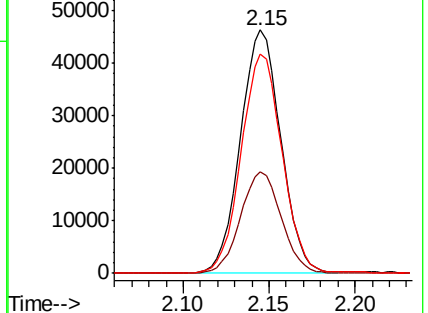
151 90.8 72.2 108.2



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: 49.353 ug/L

RT: 2.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

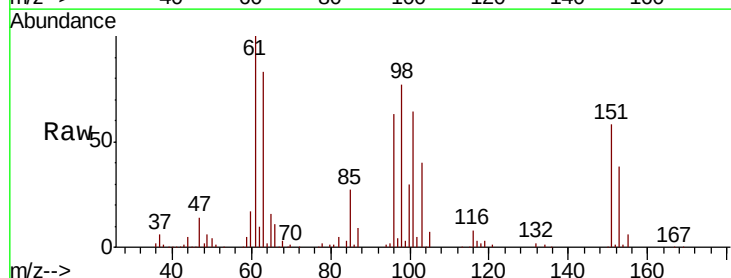
Tgt Ion: 96 Resp: 65509

Ion Ratio Lower Upper

96 100

61 159.1 107.3 199.3

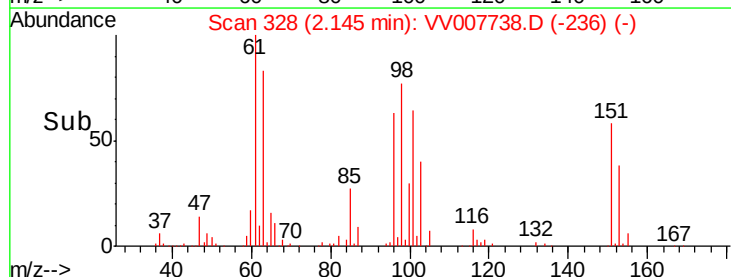
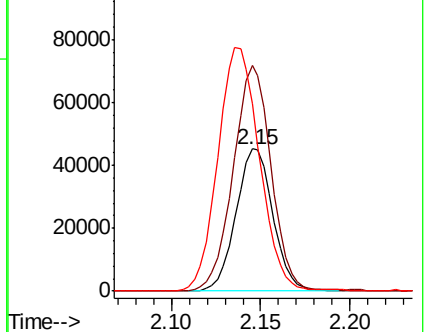
63 131.6 78.8 146.4

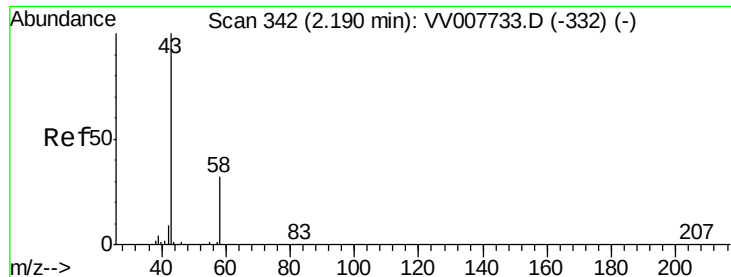


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 91.530 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

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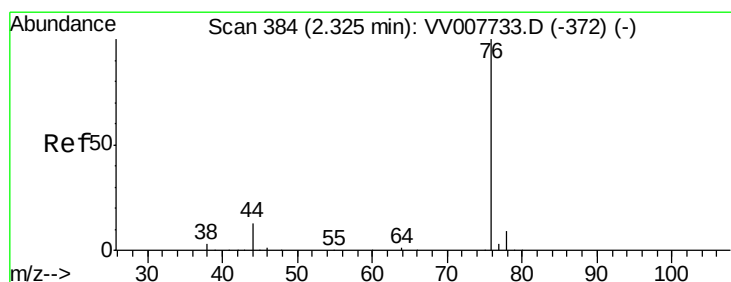
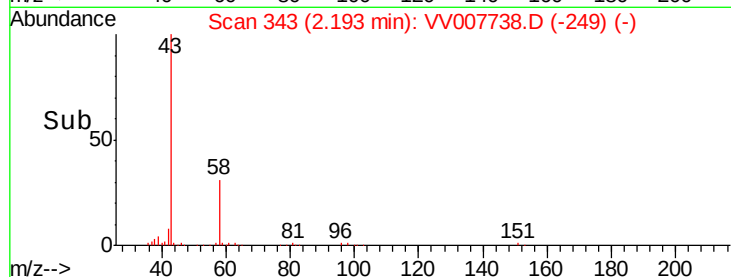
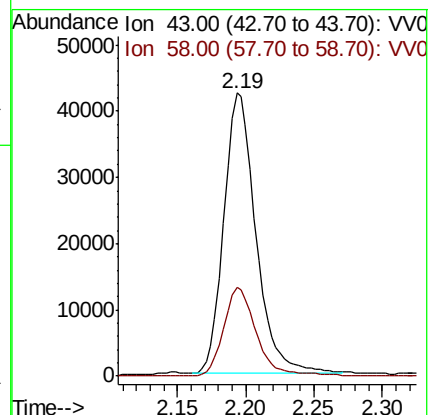
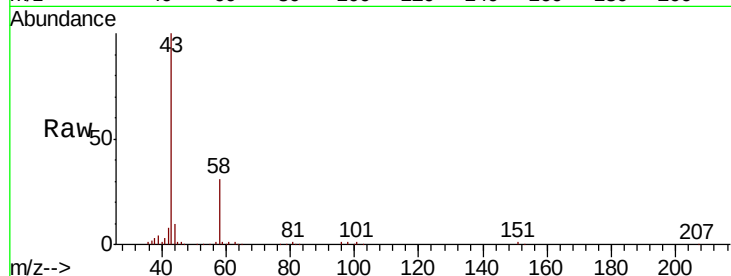
BFB71

Tgt Ion: 43 Resp: 69390

Ion Ratio Lower Upper

43 100

58 32.3 0.0 65.2



#14

Carbon disulfide

Concen: 47.871 ug/L

RT: 2.33 min Scan# 384

Delta R.T. 0.00 min

Lab File: VV007738.D

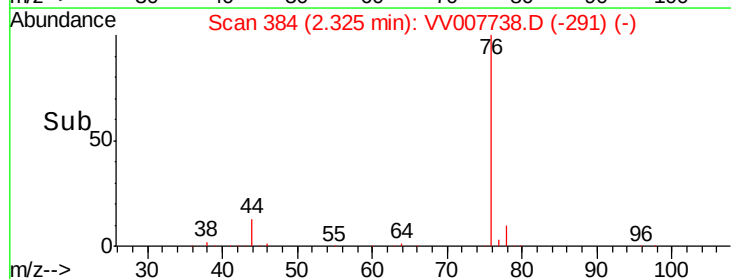
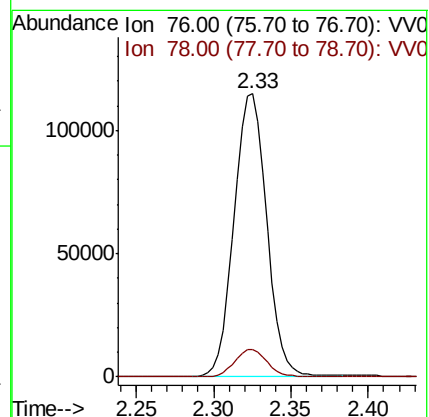
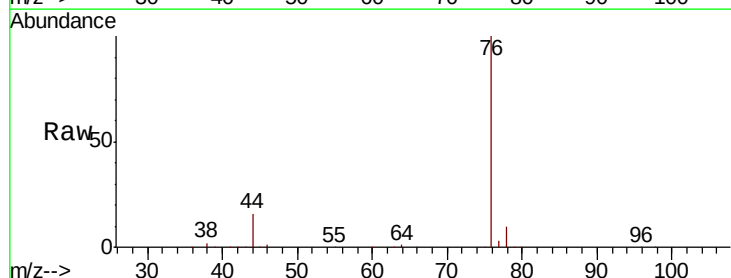
Acq: 22 Sep 2018 16:39

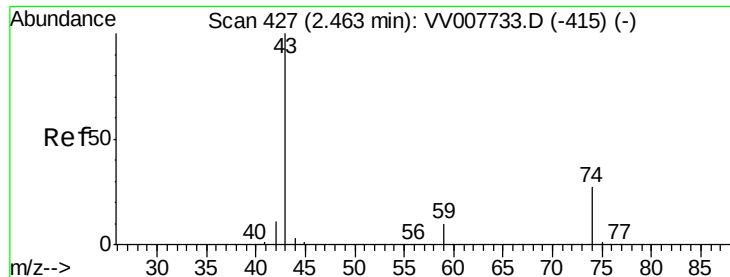
Tgt Ion: 76 Resp: 168331

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0

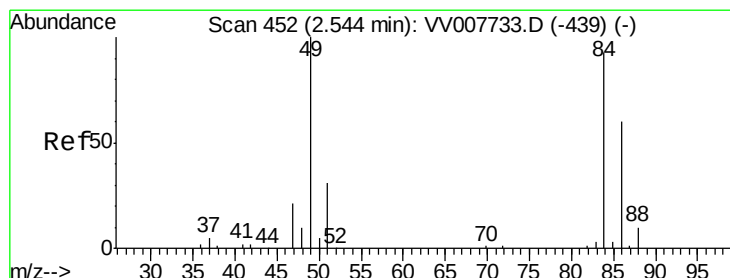
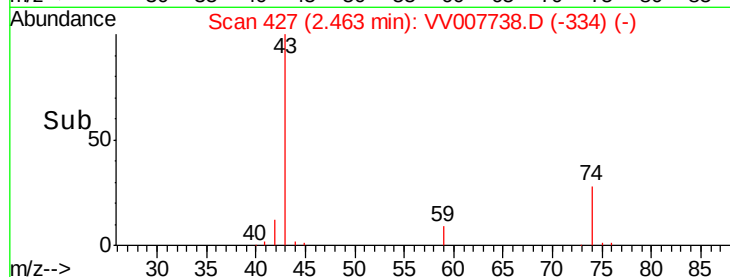
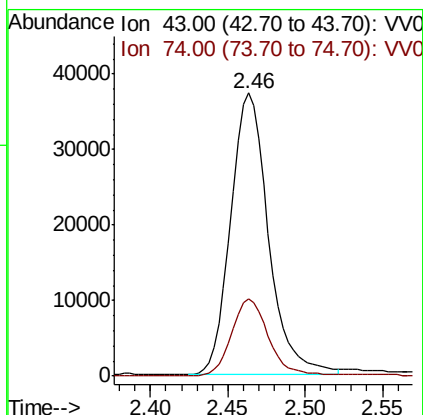
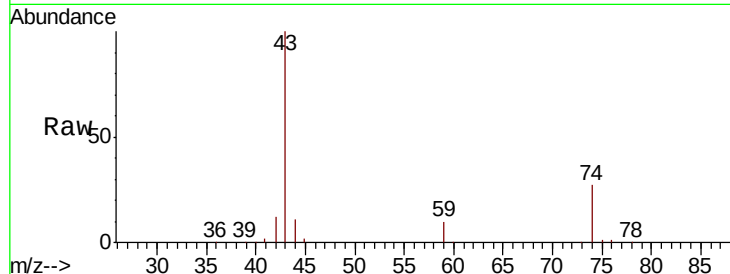




#15
Methyl Acetate
Concen: 46.932 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV007738.D
Acq: 22 Sep 2018 16:39

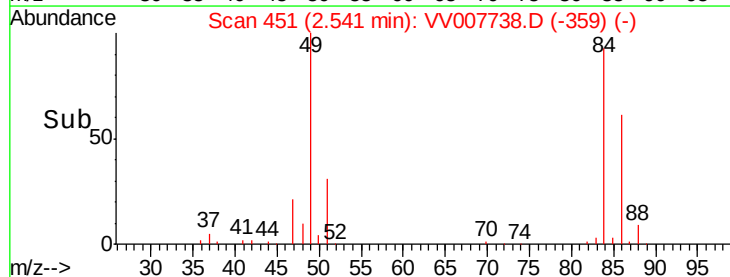
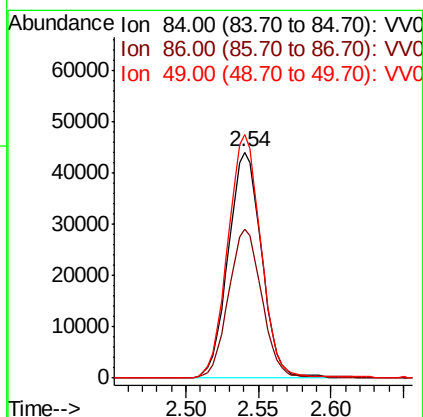
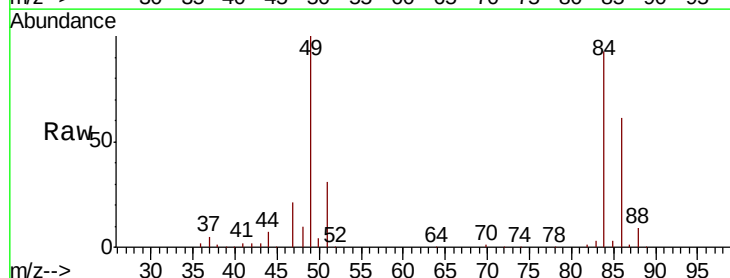
Instrument :
MSVOA_V
ClientSampleId :
BFB71

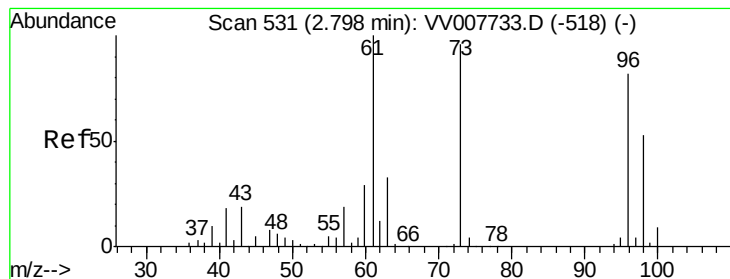
Tgt Ion: 43 Resp: 62980
Ion Ratio Lower Upper
43 100
74 27.1 22.2 33.2



#16
Methylene chloride
Concen: 48.397 ug/L
RT: 2.54 min Scan# 451
Delta R.T. -0.00 min
Lab File: VV007738.D
Acq: 22 Sep 2018 16:39

Tgt Ion: 84 Resp: 70458
Ion Ratio Lower Upper
84 100
86 65.7 45.4 84.4
49 107.6 75.3 139.9





#17

trans-1,2-Dichloroethene

Concen: 47.920 ug/L

RT: 2.79 min Scan# 530

Delta R.T. -0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

BFB71

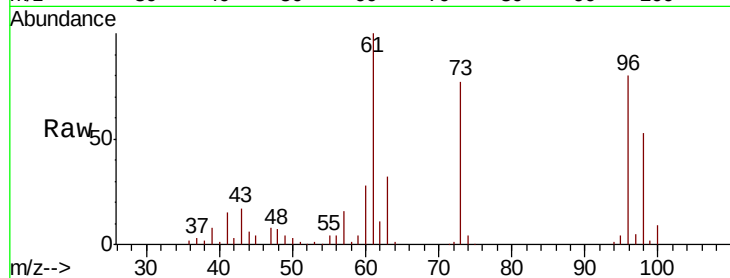
Tgt Ion: 96 Resp: 71758

Ion Ratio Lower Upper

96 100

61 125.2 84.9 157.7

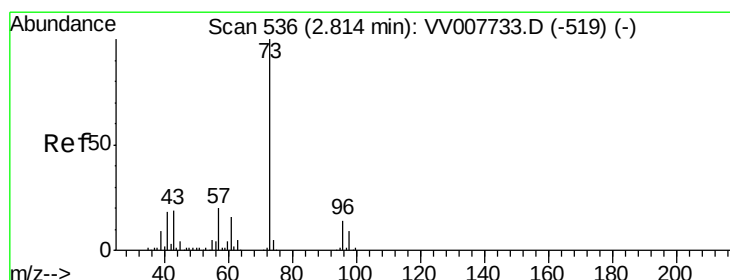
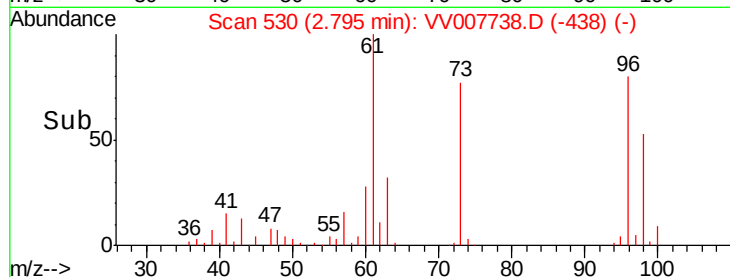
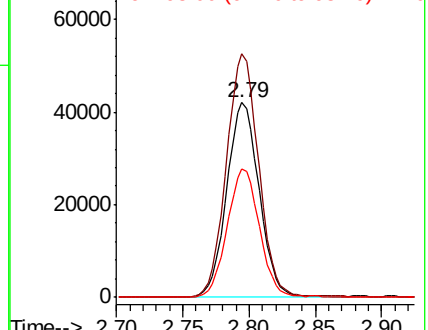
98 66.2 44.6 82.8



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: 48.193 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

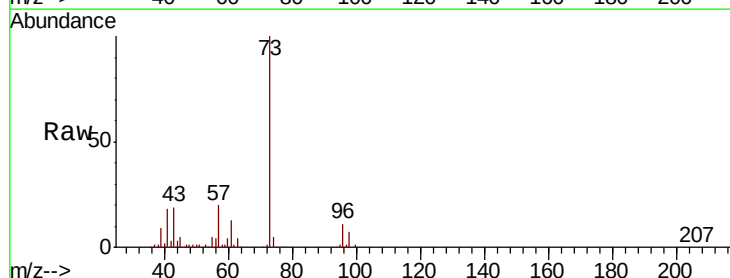
Tgt Ion: 73 Resp: 212962

Ion Ratio Lower Upper

73 100

43 19.3 15.0 22.6

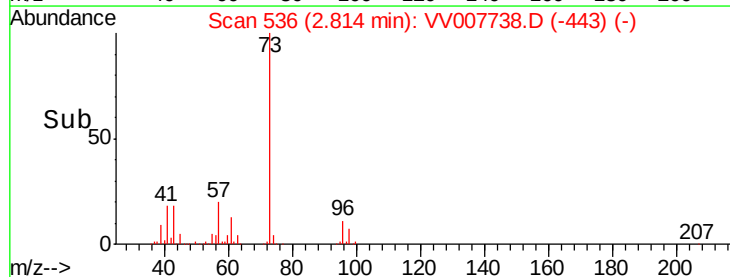
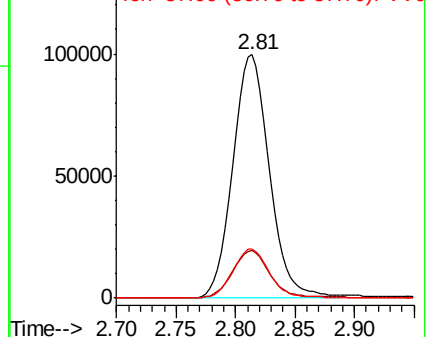
57 20.2 15.8 23.8

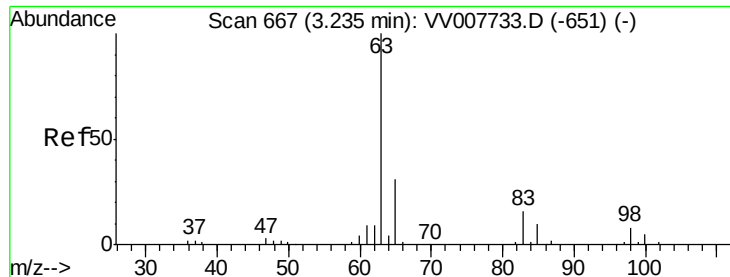


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

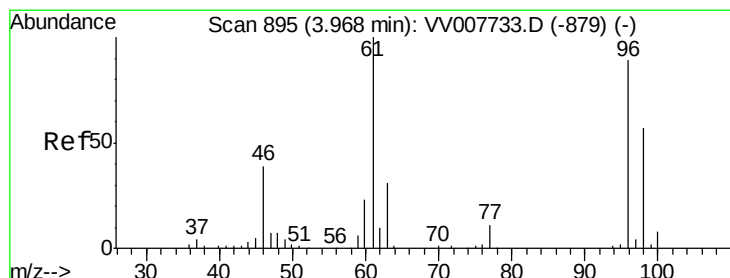
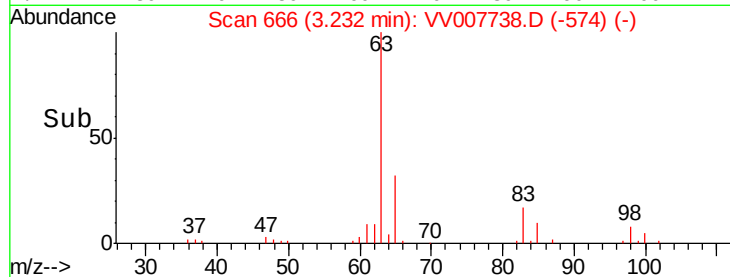
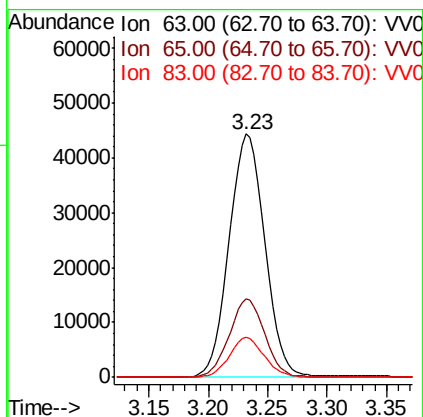
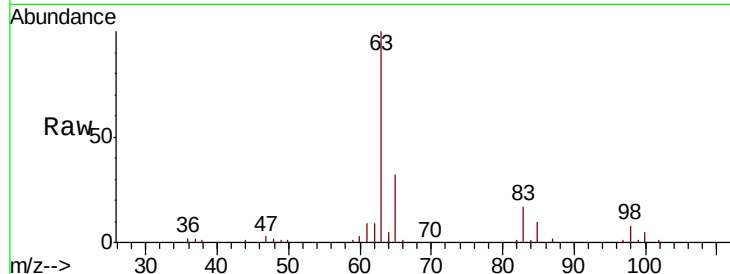




#19
 1,1-Dichloroethane
 Concen: 49.079 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV007738.D
 Acq: 22 Sep 2018 16:39

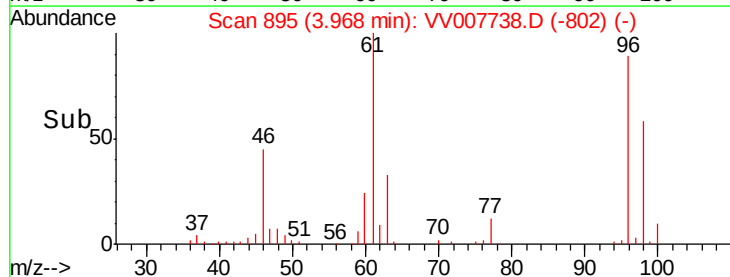
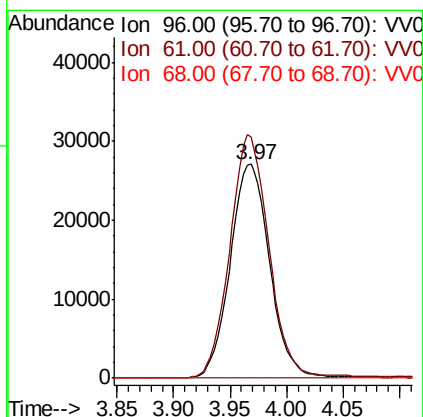
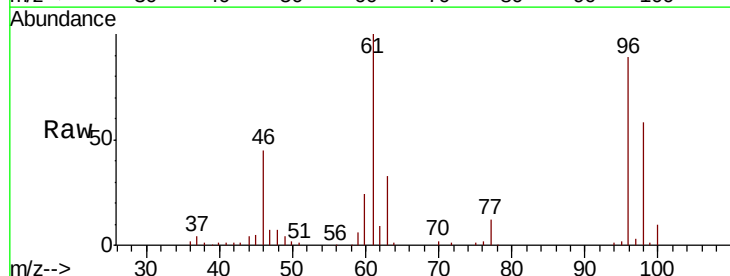
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB71

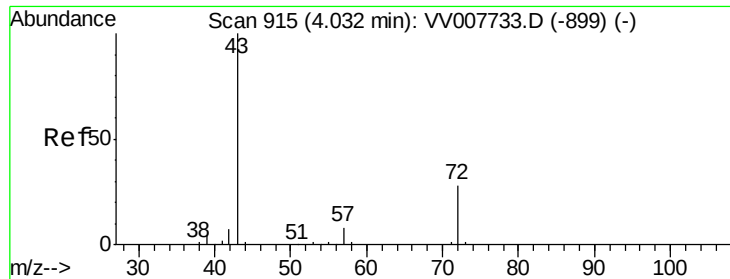
Tgt Ion: 63 Resp: 92854
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.6 40.2
 83 16.5 11.2 20.8



#20
 cis-1,2-Dichloroethene
 Concen: 48.975 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV007738.D
 Acq: 22 Sep 2018 16:39

Tgt Ion: 96 Resp: 65775
 Ion Ratio Lower Upper
 96 100
 61 112.9 78.8 146.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 93.377 ug/L

RT: 4.04 min Scan# 916

Delta R.T. 0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

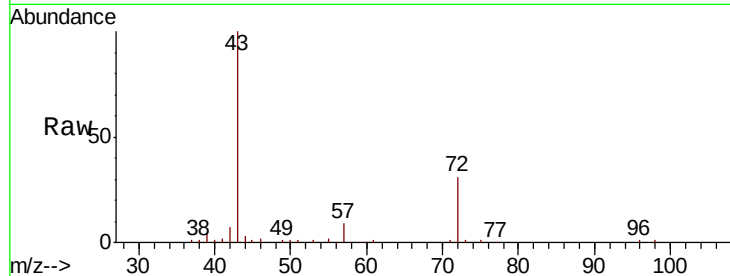
BFB71

Tgt Ion: 43 Resp: 76628

Ion Ratio Lower Upper

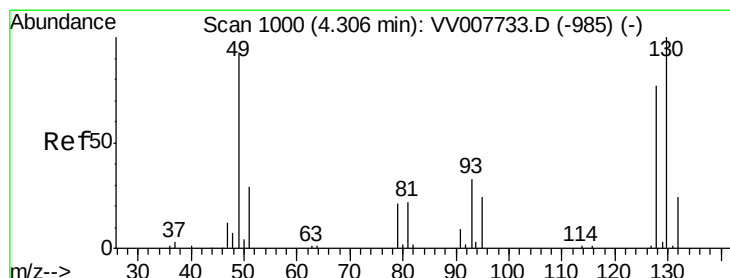
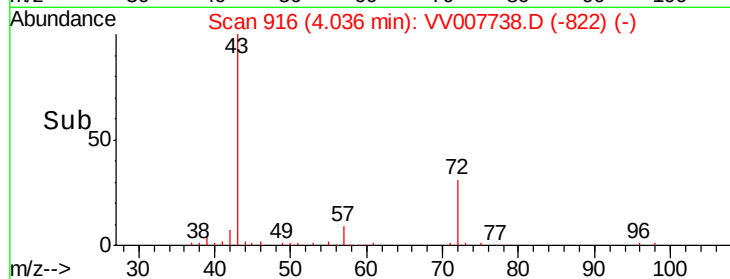
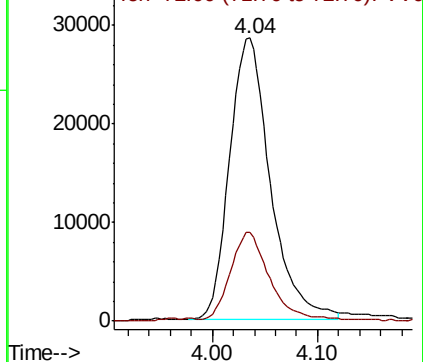
43 100

72 29.5 14.2 42.6



Abundance Ion 43.00 (42.70 to 43.70): VV007738.D (-916) (-)

Ion 72.00 (71.70 to 72.70): VV007738.D (-916) (-)



#23

Bromochloromethane

Concen: 49.044 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

Tgt Ion: 128 Resp: 36504

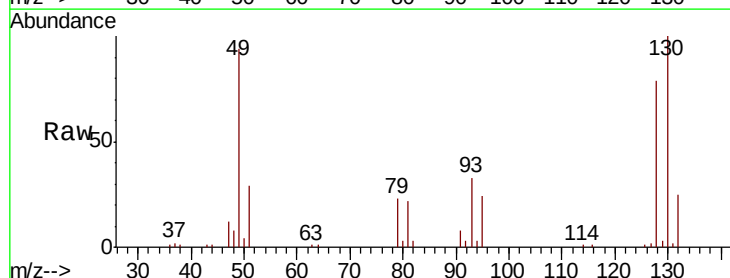
Ion Ratio Lower Upper

128 100

49 118.4 84.8 157.4

130 126.3 90.9 168.9

51 36.9 30.6 46.0

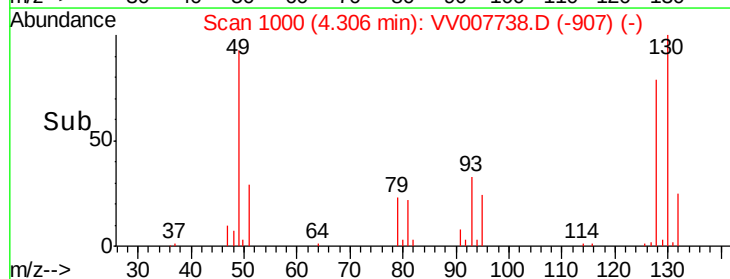
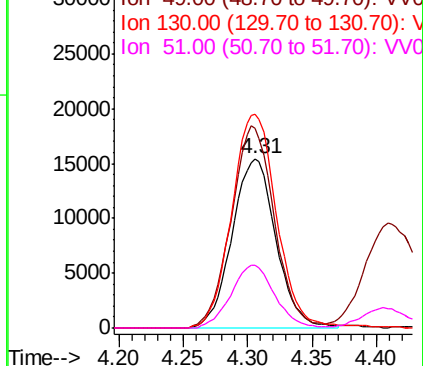


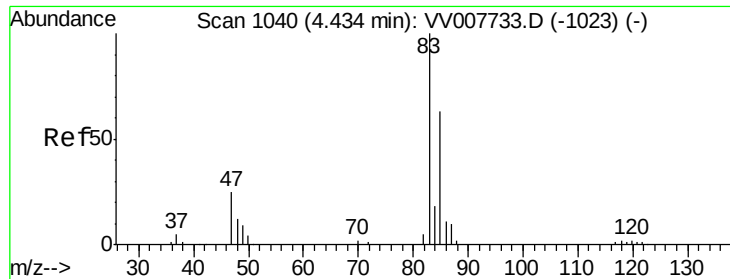
Abundance Ion 128.00 (127.70 to 128.70): VV007738.D (-1000) (-)

Ion 49.00 (48.70 to 49.70): VV007738.D (-1000) (-)

Ion 130.00 (129.70 to 130.70): VV007738.D (-1000) (-)

Ion 51.00 (50.70 to 51.70): VV007738.D (-1000) (-)

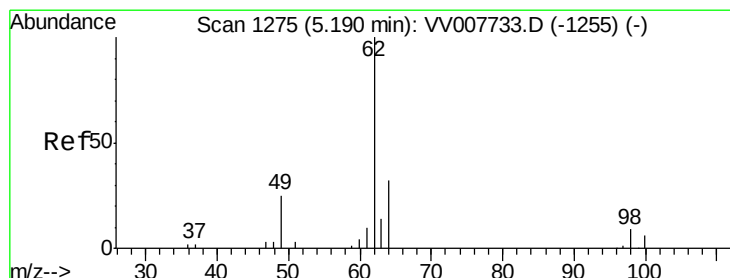
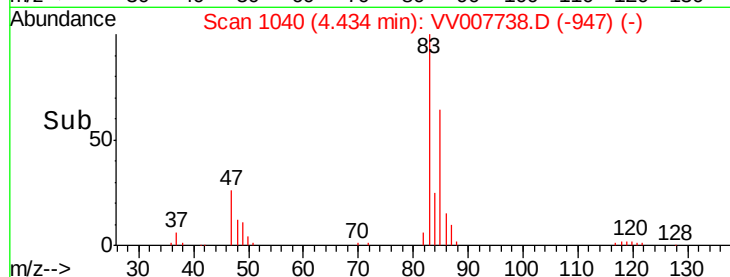
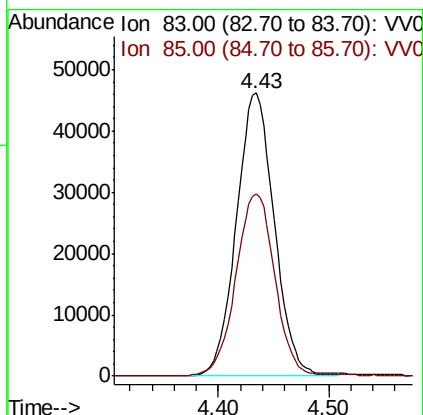
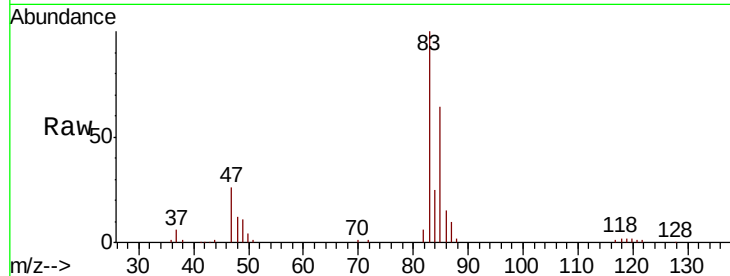




#25
Chloroform
Concen: 49.127 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV007738.D
Acq: 22 Sep 2018 16:39

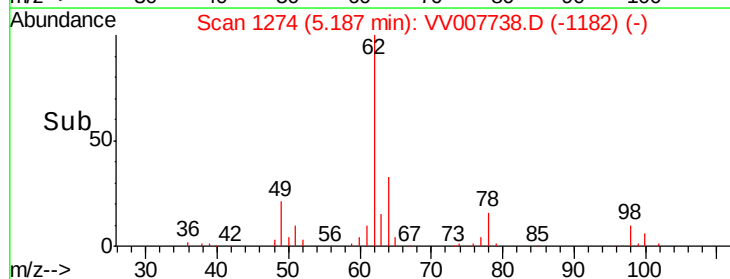
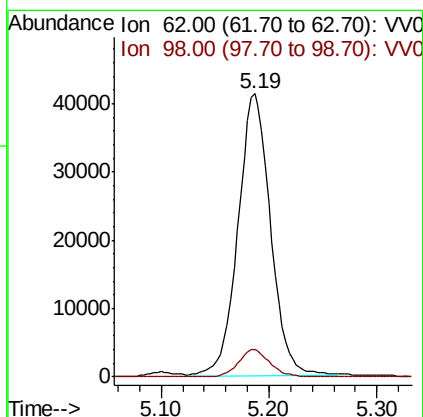
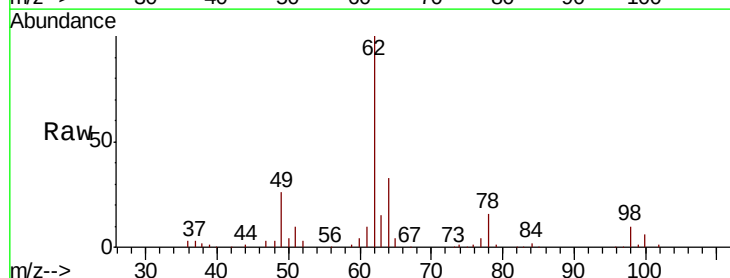
Instrument :
MSVOA_V
ClientSampled :
BFB71

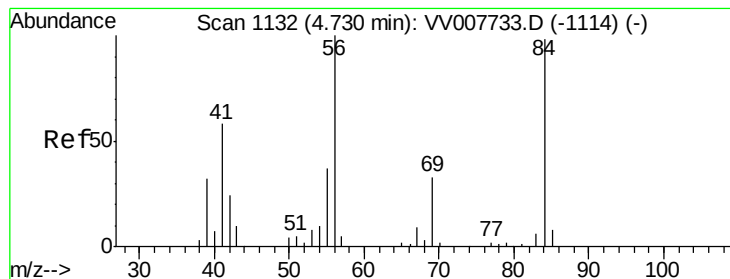
Tgt Ion: 83 Resp: 110180
Ion Ratio Lower Upper
83 100
85 64.3 44.0 81.8



#27
1,2-Dichloroethane
Concen: 47.554 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV007738.D
Acq: 22 Sep 2018 16:39

Tgt Ion: 62 Resp: 86511
Ion Ratio Lower Upper
62 100
98 9.7 7.5 11.3





#29

Cyclohexane

Concen: 49.812 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

Instrument :

MSVOA_V

ClientSampled :

BFB71

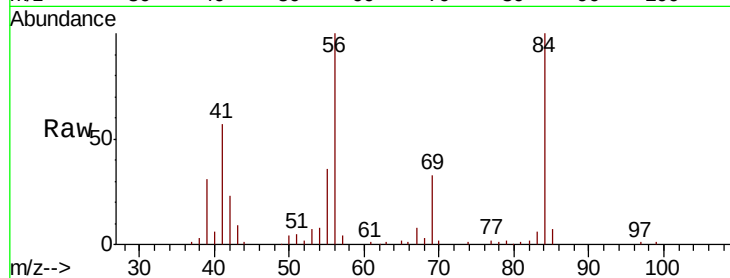
Tgt Ion: 56 Resp: 84310

Ion Ratio Lower Upper

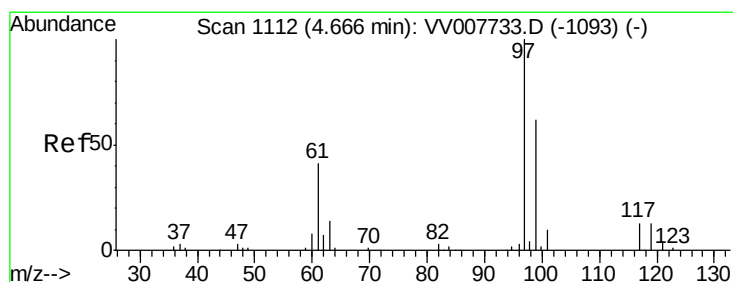
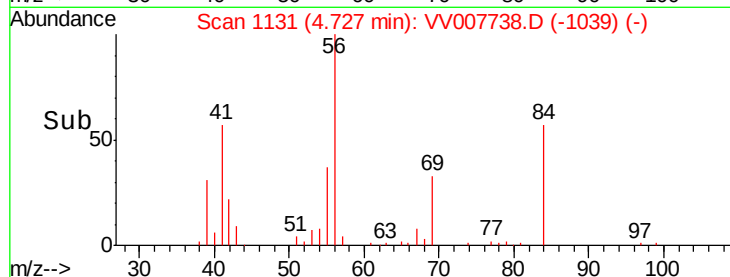
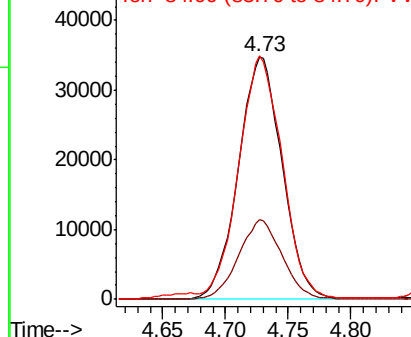
56 100

69 32.8 26.1 39.1

84 98.8 79.7 119.5



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: 49.068 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

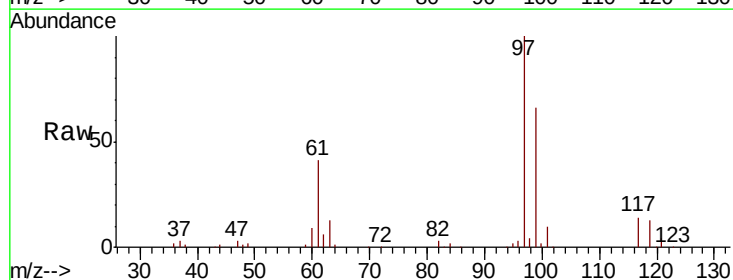
Tgt Ion: 97 Resp: 101637

Ion Ratio Lower Upper

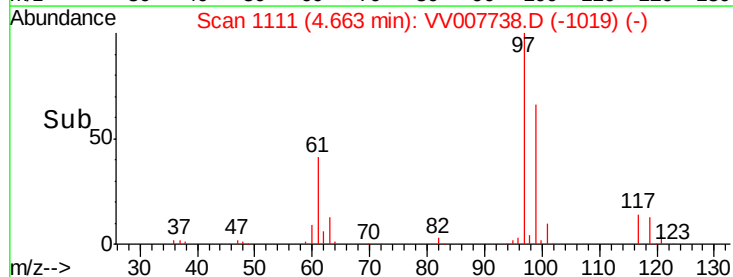
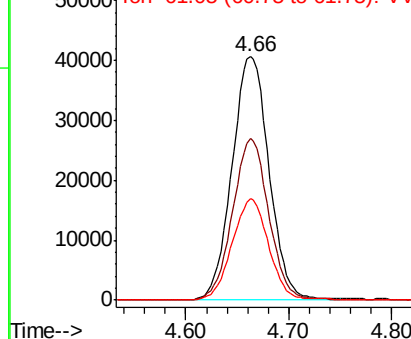
97 100

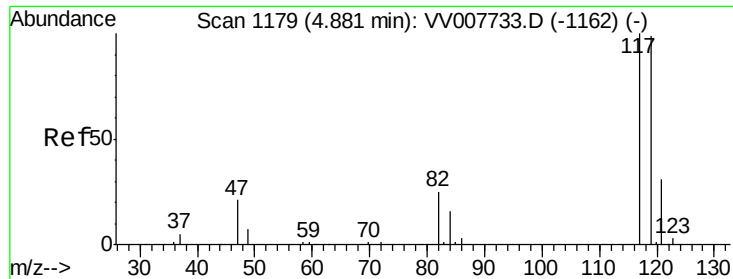
99 64.7 51.8 77.8

61 41.0 33.0 49.4



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: 49.902 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

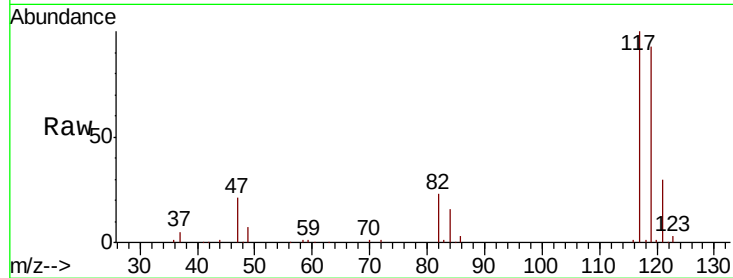
BFB71

Tgt Ion:117 Resp: 95502

Ion Ratio Lower Upper

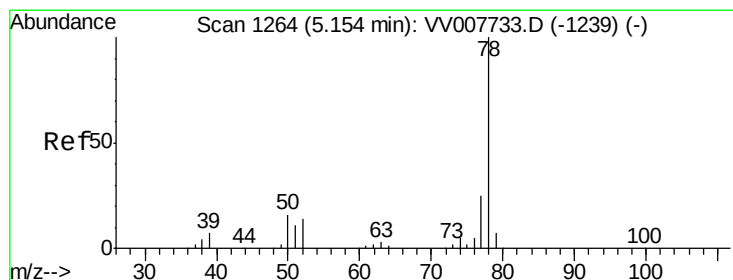
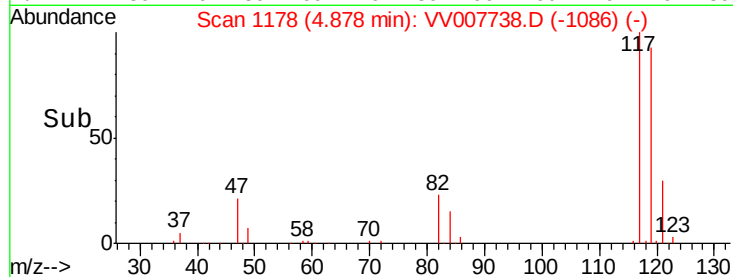
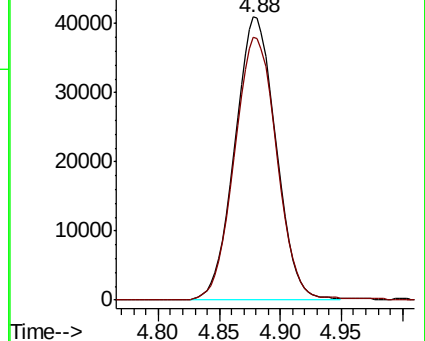
117 100

119 95.7 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.229 ug/L

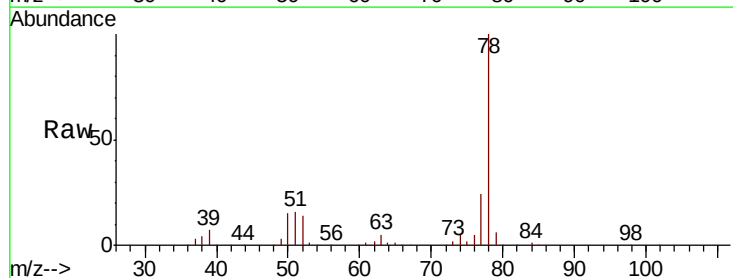
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

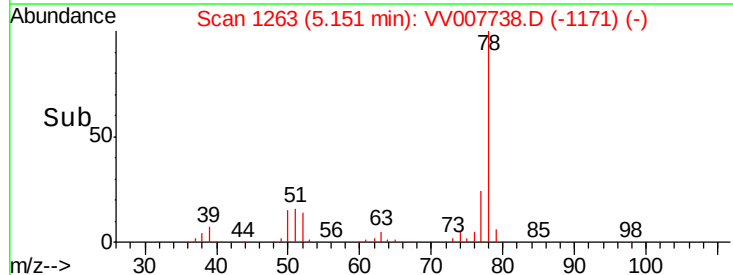
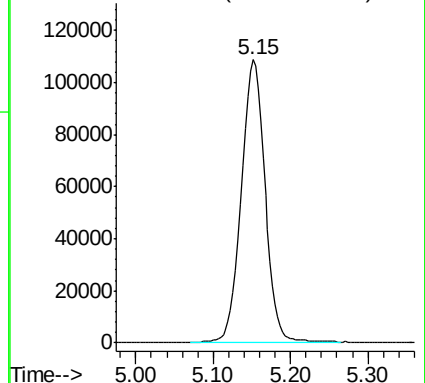
Lab File: VV007738.D

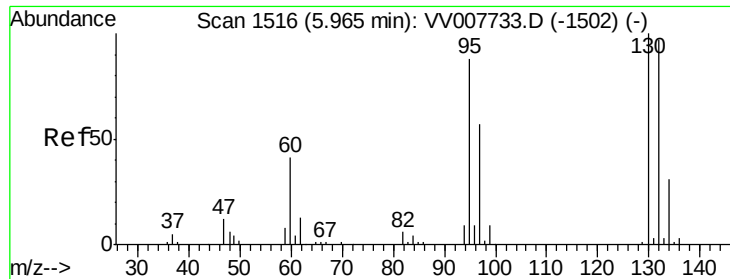
Acq: 22 Sep 2018 16:39

Tgt Ion: 78 Resp: 232867



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 48.494 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

BFB71

Tgt Ion: 95 Resp: 66491

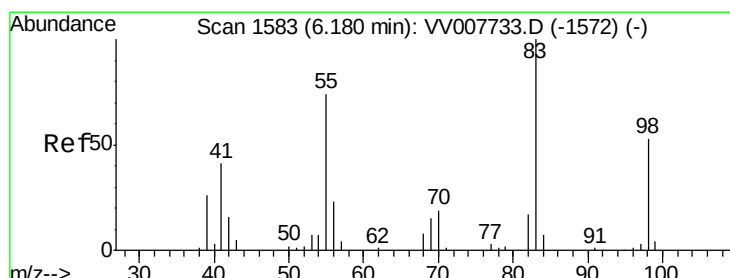
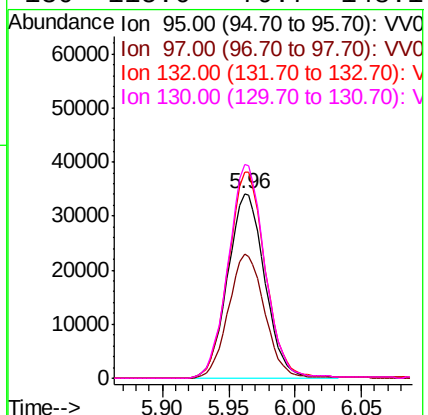
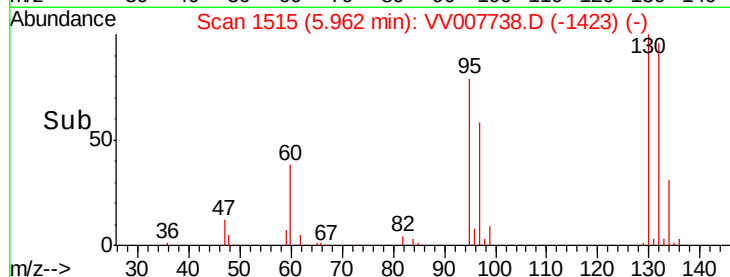
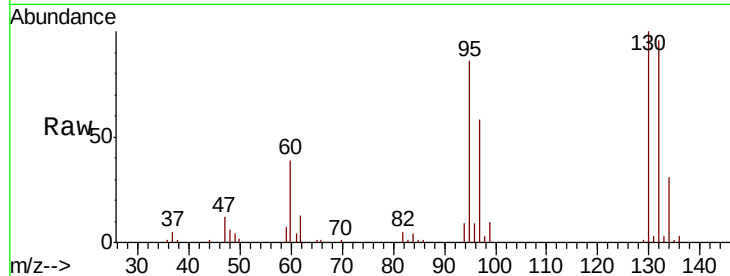
Ion Ratio Lower Upper

95 100

97 67.1 45.2 84.0

132 111.5 77.7 144.3

130 115.6 79.7 148.1



#35

Methylcyclohexane

Concen: 52.011 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

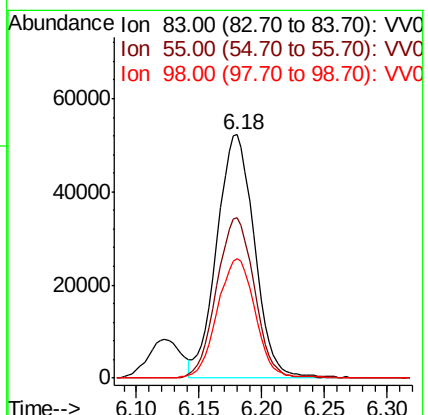
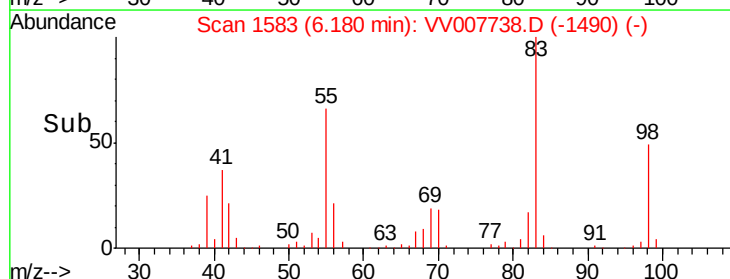
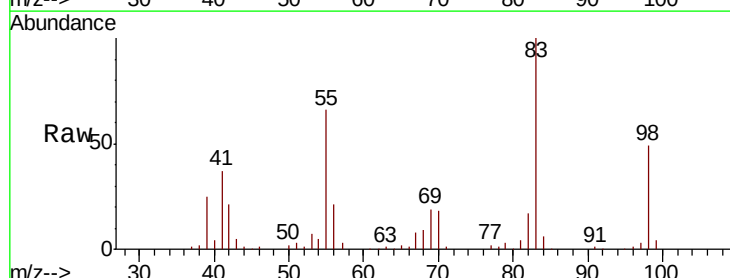
Tgt Ion: 83 Resp: 109225

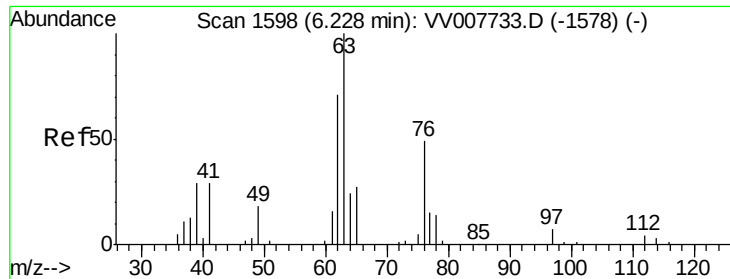
Ion Ratio Lower Upper

83 100

55 65.9 54.6 82.0

98 48.1 39.0 58.6

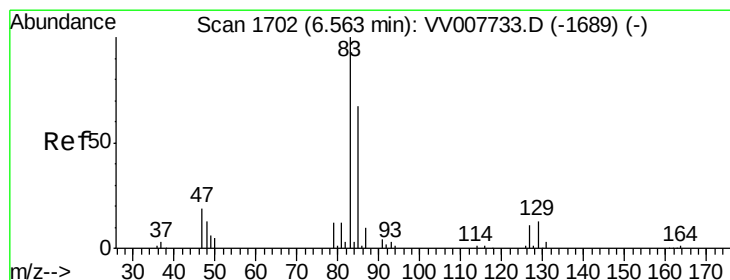
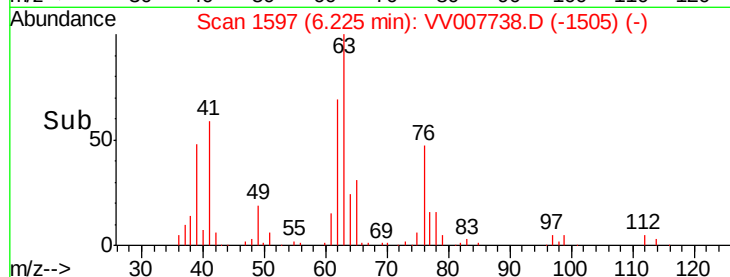
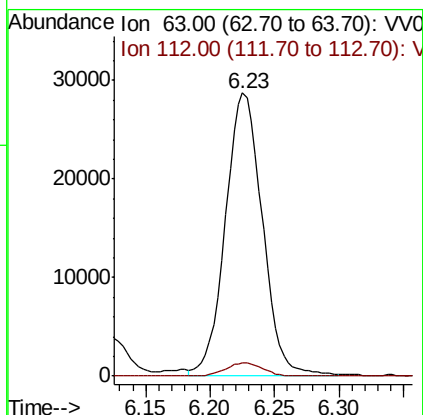
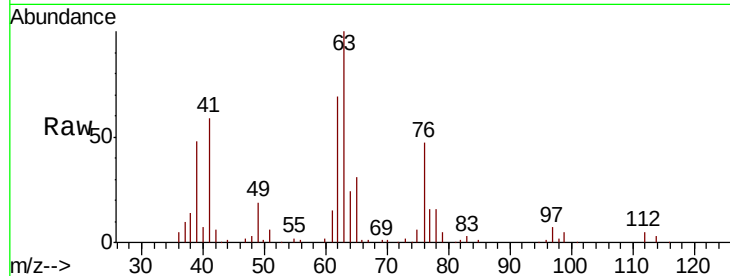




#37
 1,2-Dichloropropane
 Concen: 49.300 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VV007738.D
 Acq: 22 Sep 2018 16:39

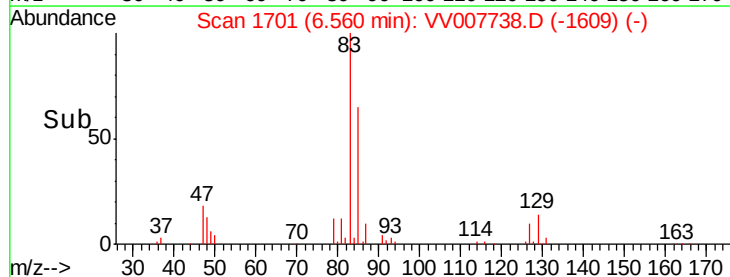
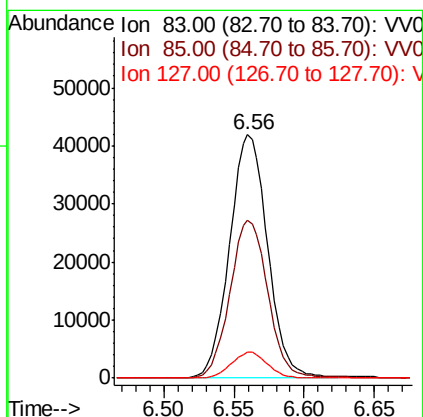
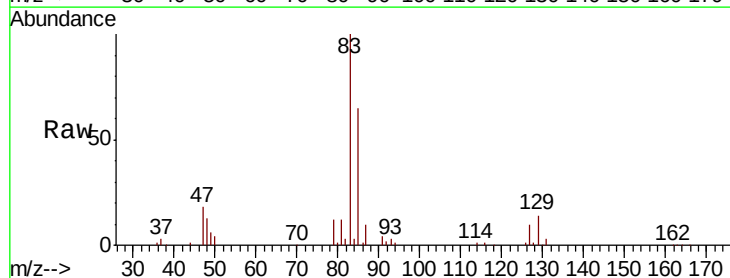
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB71

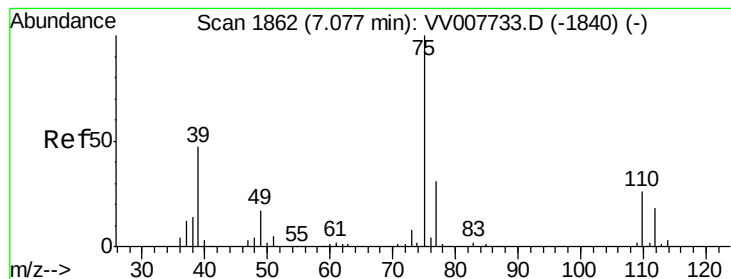
Tgt Ion: 63 Resp: 57546
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#38
 Bromodichloromethane
 Concen: 49.346 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV007738.D
 Acq: 22 Sep 2018 16:39

Tgt Ion: 83 Resp: 79188
 Ion Ratio Lower Upper
 83 100
 85 64.8 46.6 86.6
 127 10.5 8.7 13.1



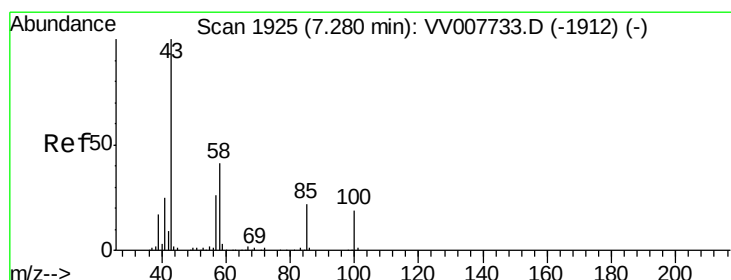
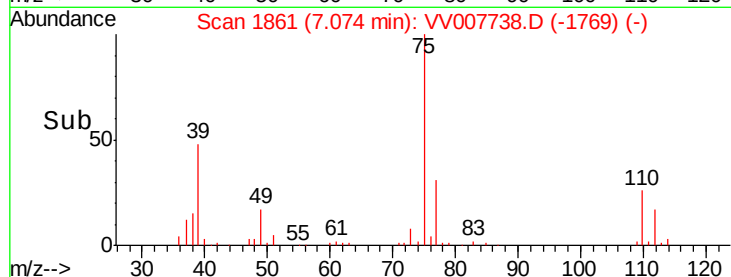
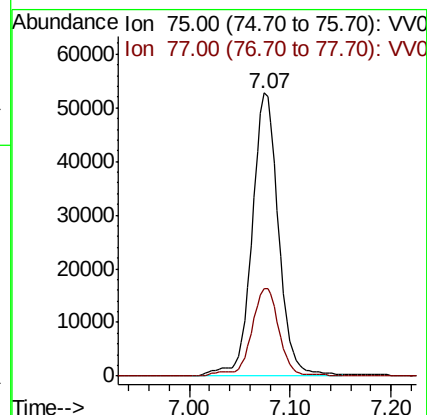
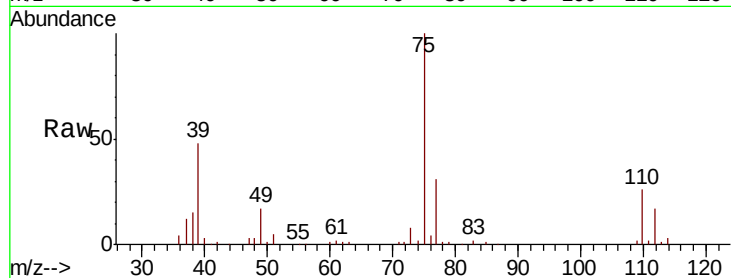


#39

cis-1,3-Dichloropropene
 Concen: 50.854 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV007738.D
 Acq: 22 Sep 2018 16:39

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB71

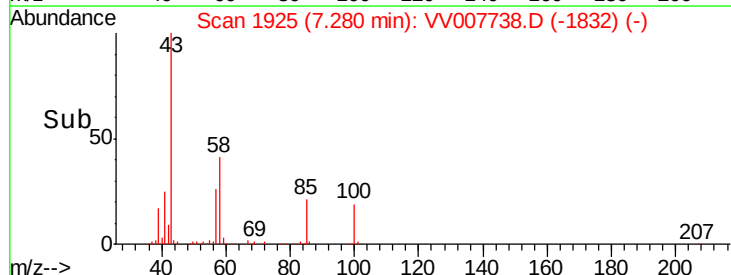
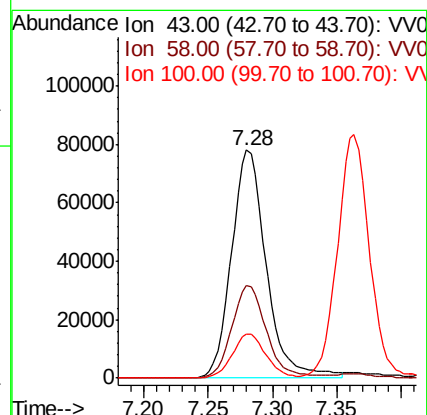
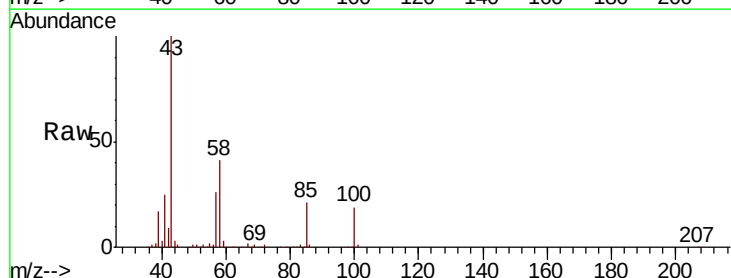
Tgt Ion: 75 Resp: 95424
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.0 40.8

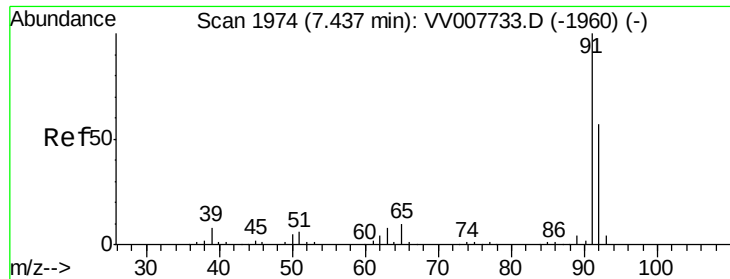


#40

4-Methyl-2-pentanone
 Concen: 94.873 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV007738.D
 Acq: 22 Sep 2018 16:39

Tgt Ion: 43 Resp: 146445
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.5 47.3
 100 18.6 14.7 22.1





#42

Toluene

Concen: 49.013 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

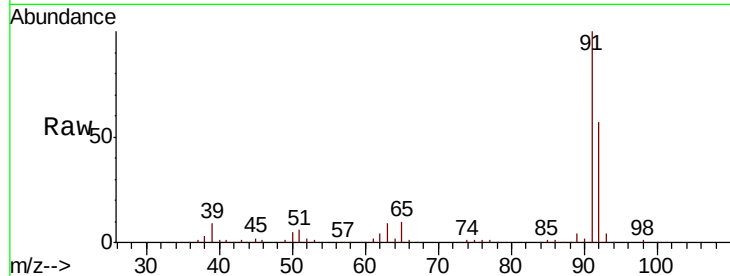
BFB71

Tgt Ion: 91 Resp: 269347

Ion Ratio Lower Upper

91 100

92 57.2 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VV007733.D (-1960) (-)

Ion 92.00 (91.70 to 92.70): VV007733.D (-1960) (-)

7.43

150000

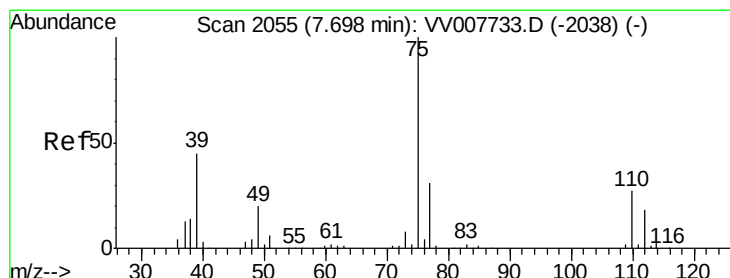
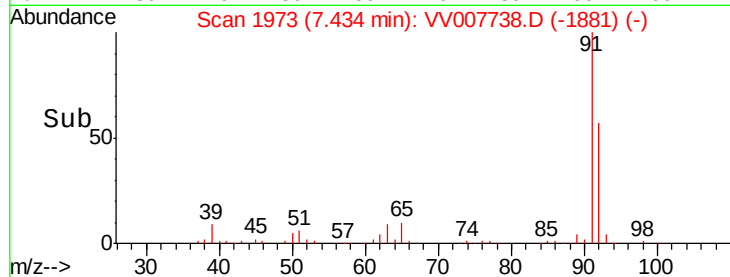
100000

50000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.843 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV007738.D

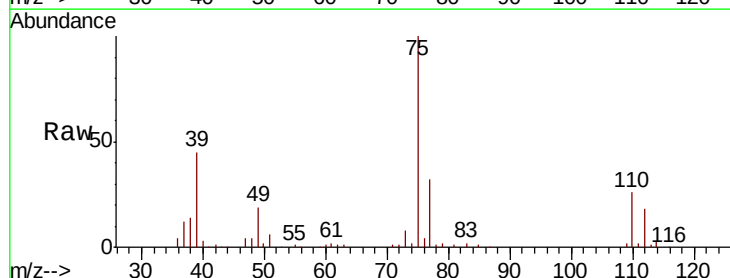
Acq: 22 Sep 2018 16:39

Tgt Ion: 75 Resp: 90579

Ion Ratio Lower Upper

75 100

77 31.7 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV007733.D (-2038) (-)

Ion 77.00 (76.70 to 77.70): VV007733.D (-2038) (-)

7.70

60000

50000

40000

30000

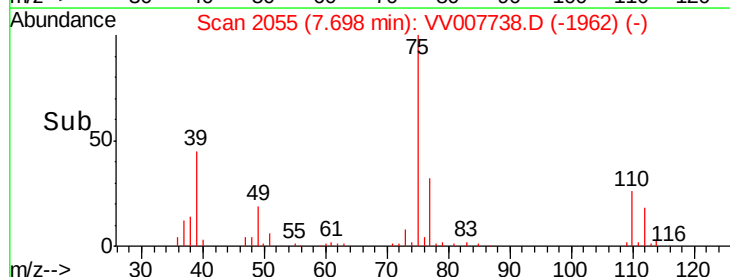
20000

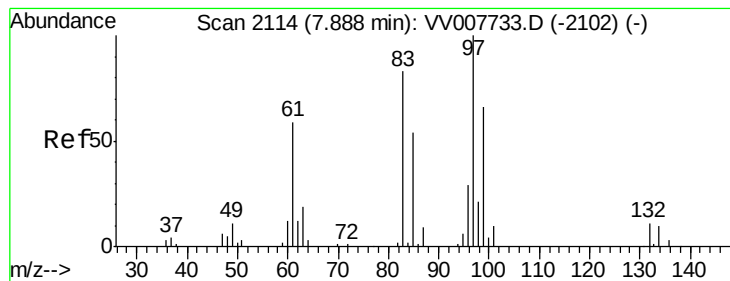
10000

0

7.60 7.70 7.80

Time-->





#45

1,1,2-Trichloroethane

Concen: 48.960 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

BFB71

Tgt Ion: 97 Resp: 64221

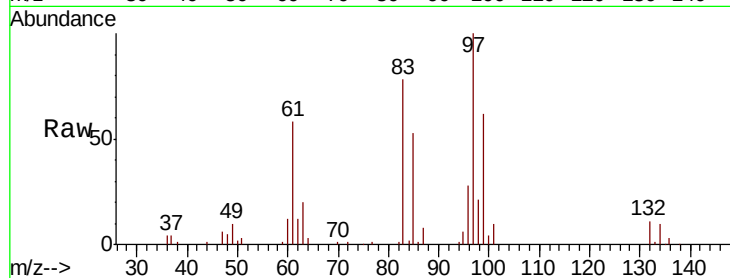
Ion Ratio Lower Upper

97 100

99 62.0 45.8 85.2

83 78.4 58.2 108.0

85 53.2 38.0 70.6



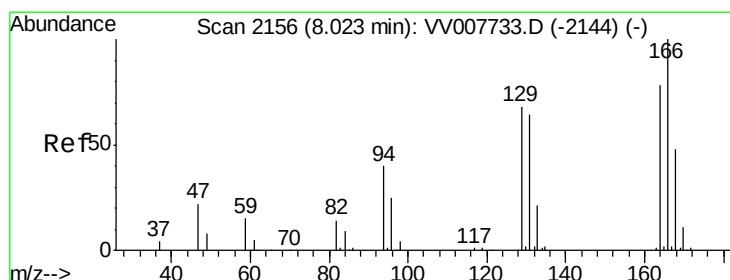
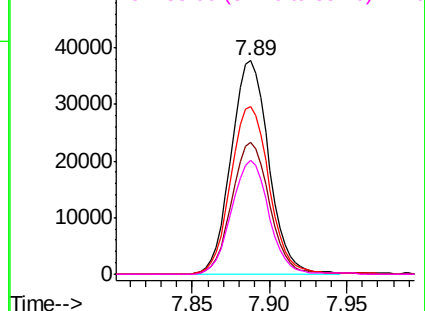
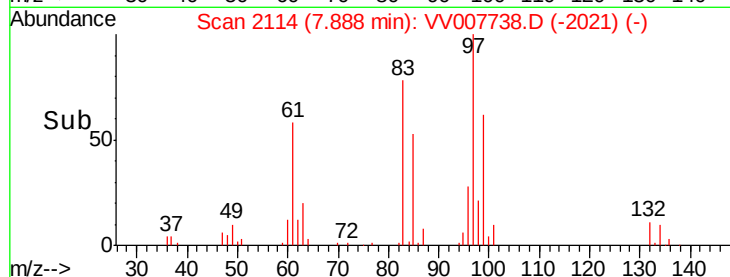
Abundance

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: 49.651 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

Tgt Ion: 164 Resp: 69676

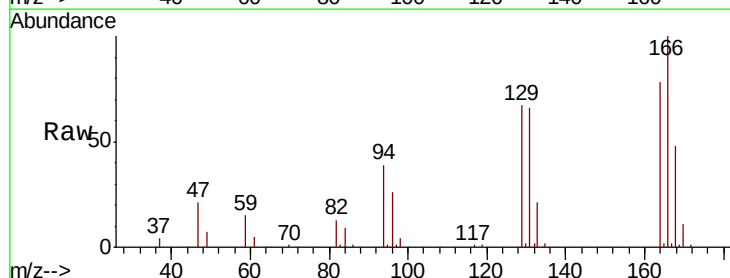
Ion Ratio Lower Upper

164 100

129 85.4 61.0 113.4

131 84.1 57.8 107.4

166 127.7 89.9 167.0



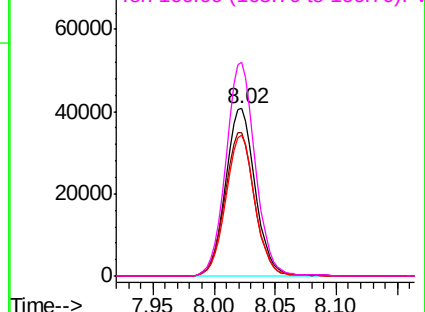
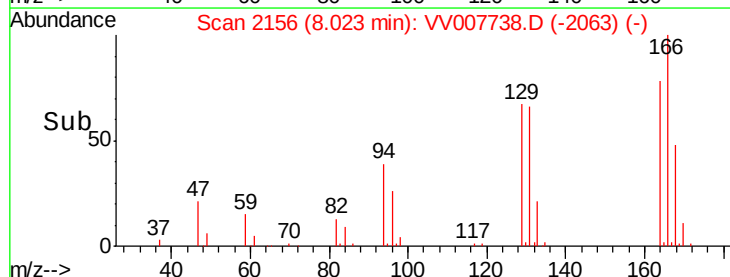
Abundance

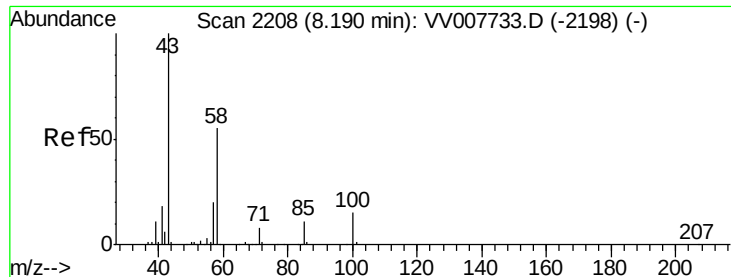
Ion 164.00 (163.70 to 164.70): V

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

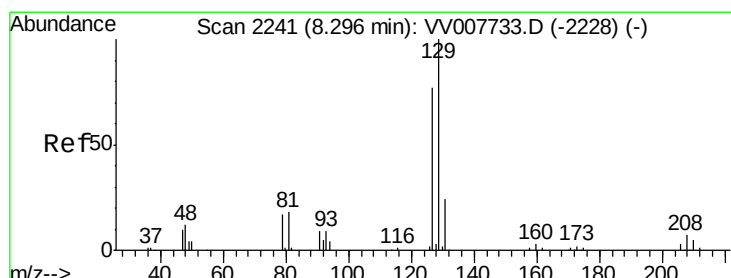
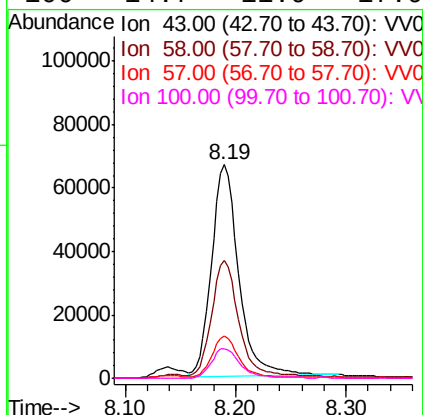
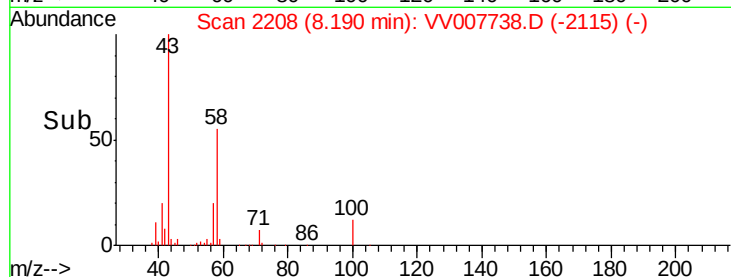
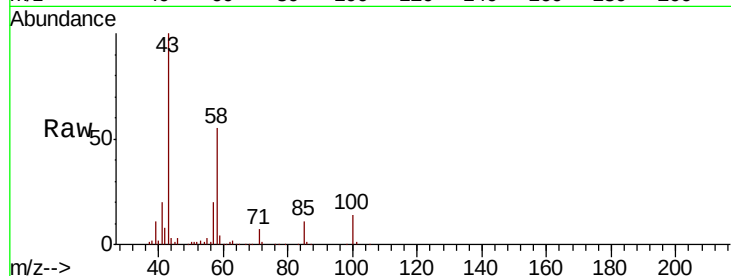




#48
2-Hexanone
Concen: 96.868 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV007738.D
Acq: 22 Sep 2018 16:39

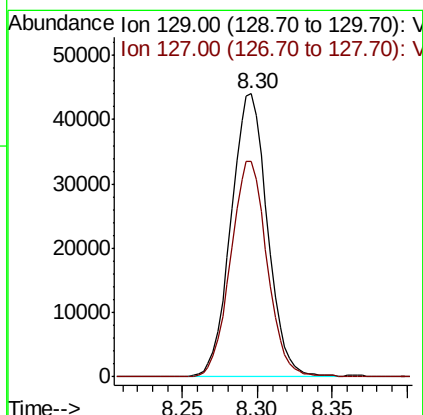
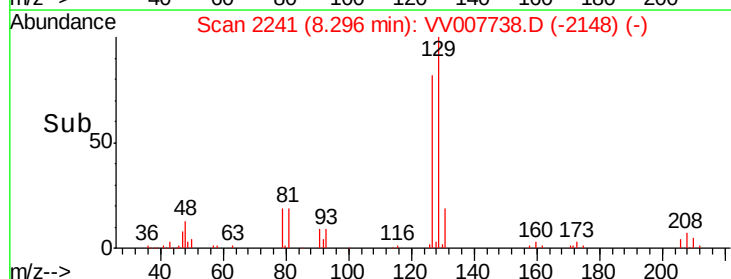
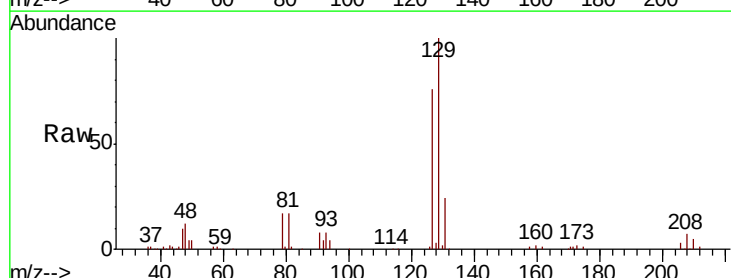
Instrument :
MSVOA_V
ClientSampled :
BFB71

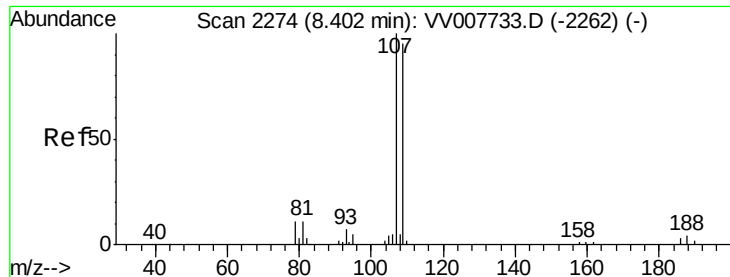
Tgt Ion: 43 Resp: 115180
Ion Ratio Lower Upper
43 100
58 55.1 41.4 62.0
57 19.0 16.0 24.0
100 14.7 11.9 17.9



#49
Dibromochloromethane
Concen: 50.061 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007738.D
Acq: 22 Sep 2018 16:39

Tgt Ion: 129 Resp: 74508
Ion Ratio Lower Upper
129 100
127 76.1 54.0 100.2

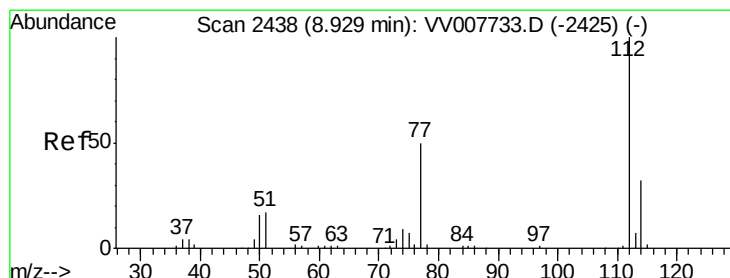
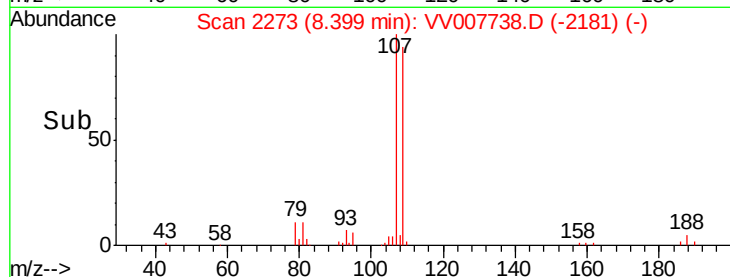
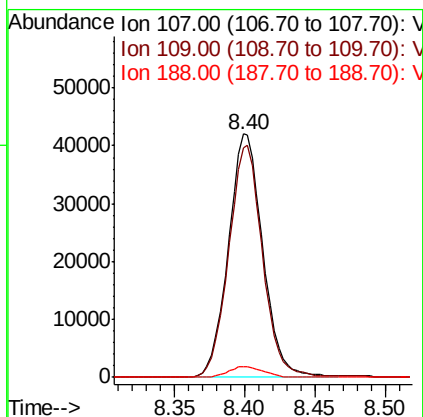
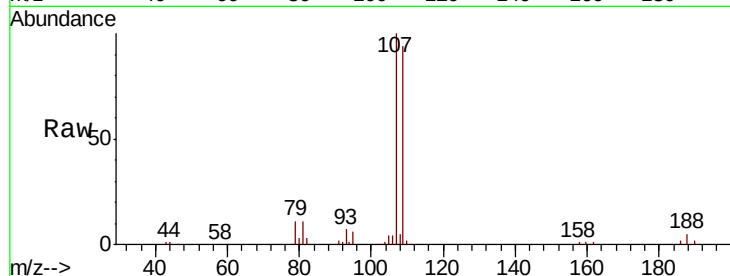




#50
1,2-Dibromoethane
Concen: 48.680 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV007738.D
Acq: 22 Sep 2018 16:39

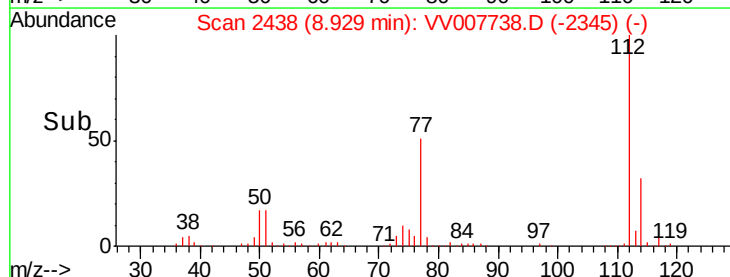
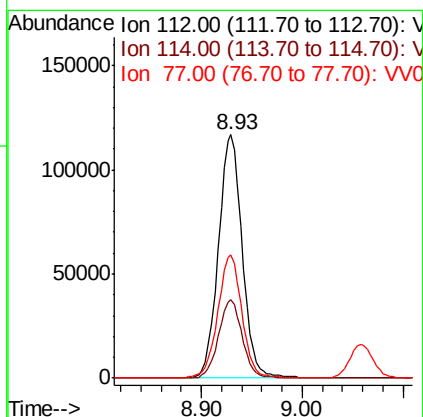
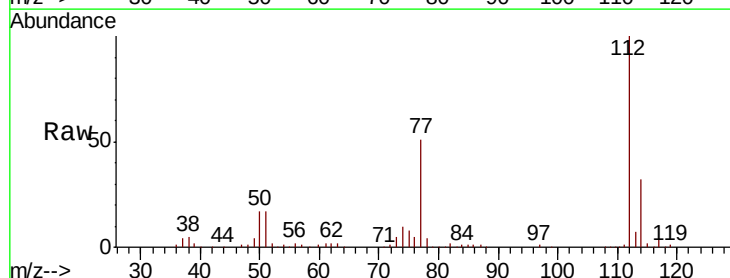
Instrument :
MSVOA_V
ClientSampled :
BFB71

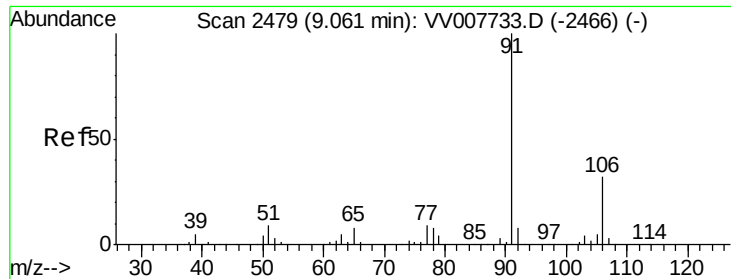
Tgt Ion:107 Resp: 71684
Ion Ratio Lower Upper
107 100
109 94.5 66.4 123.2
188 4.5 3.5 5.3



#51
Chlorobenzene
Concen: 48.663 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV007738.D
Acq: 22 Sep 2018 16:39

Tgt Ion:112 Resp: 192634
Ion Ratio Lower Upper
112 100
114 32.3 22.3 41.3
77 50.7 40.6 60.8





#52

Ethylbenzene

Concen: 49.731 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

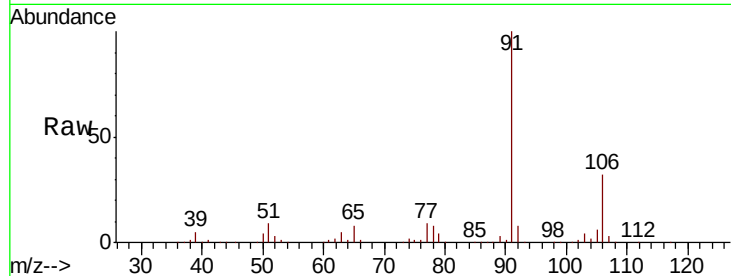
BFB71

Tgt Ion: 91 Resp: 308961

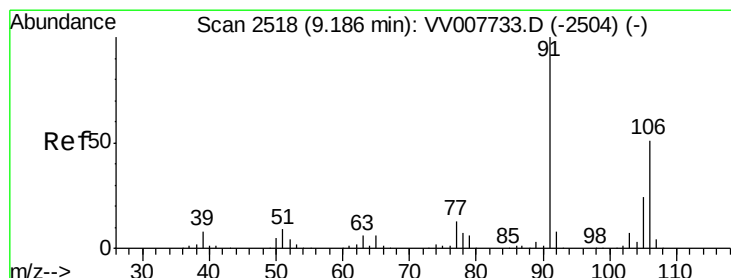
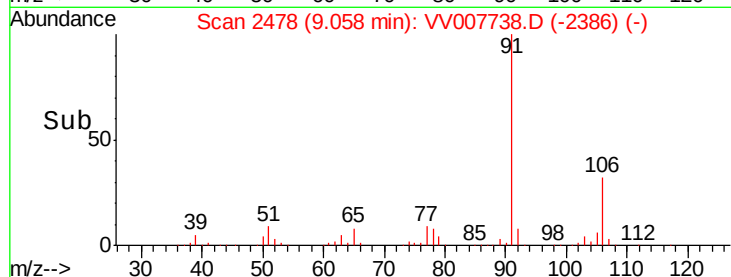
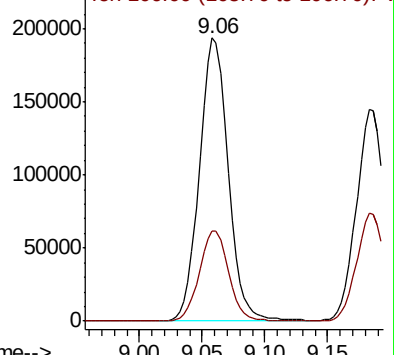
Ion Ratio Lower Upper

91 100

106 31.9 22.7 42.1



Abundance Ion 91.00 (90.70 to 91.70): VV007738.D (-2466) (-)



#53

m,p-Xylene

Concen: 49.022 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV007738.D

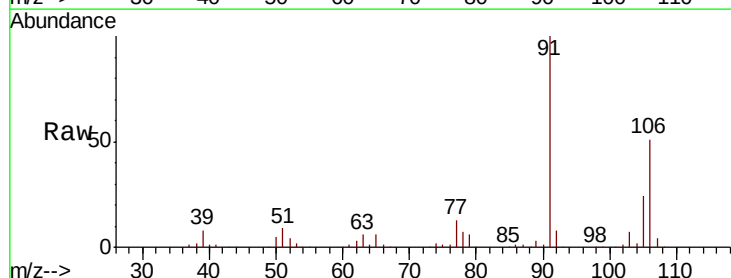
Acq: 22 Sep 2018 16:39

Tgt Ion: 106 Resp: 121879

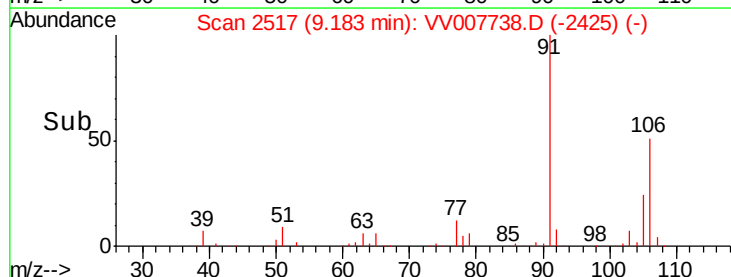
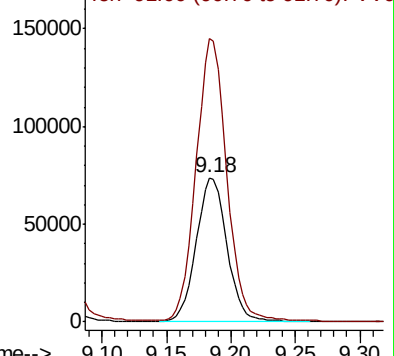
Ion Ratio Lower Upper

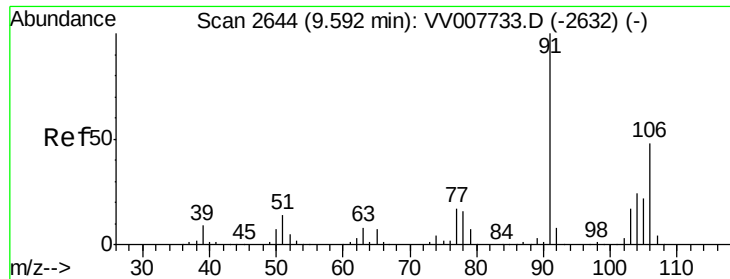
106 100

91 196.4 137.3 254.9



Abundance Ion 106.00 (105.70 to 106.70): VV007738.D (-2504) (-)





#54

o-xylene

Concen: 48.847 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

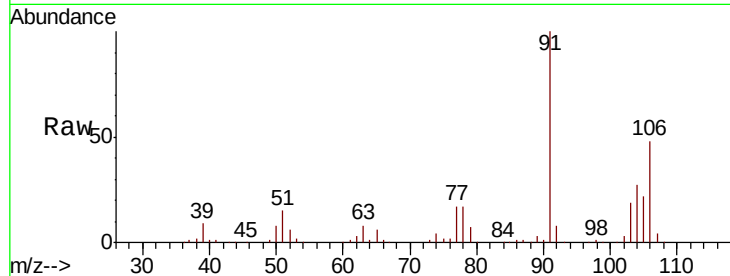
BFB71

Tgt Ion:106 Resp: 118468

Ion Ratio Lower Upper

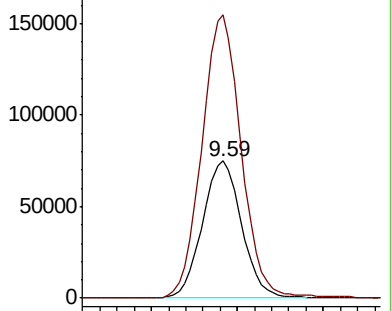
106 100

91 206.3 145.5 270.3

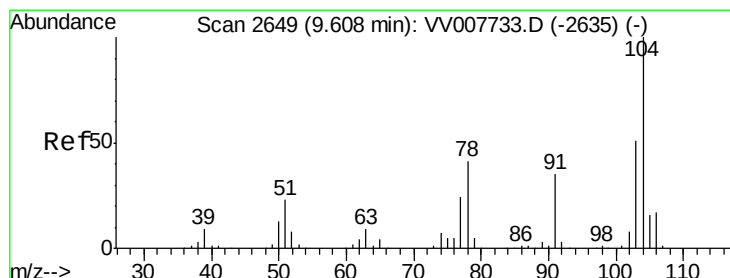
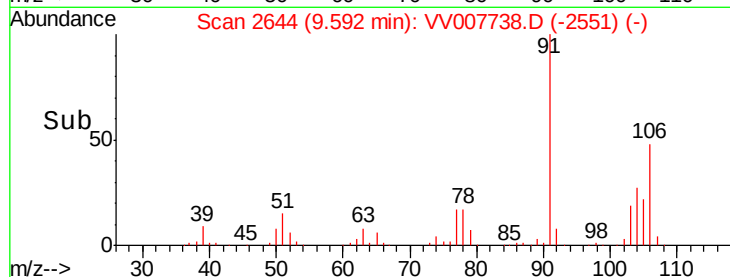


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



Time-->



#55

Styrene

Concen: 49.874 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV007738.D

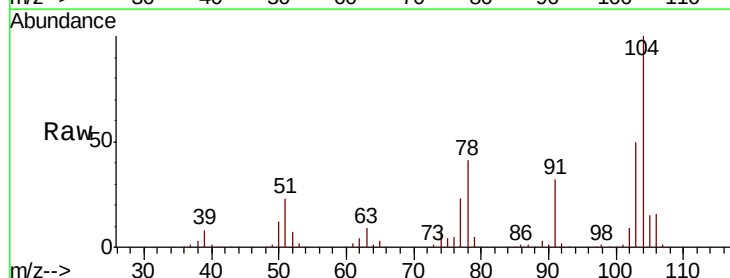
Acq: 22 Sep 2018 16:39

Tgt Ion:104 Resp: 206361

Ion Ratio Lower Upper

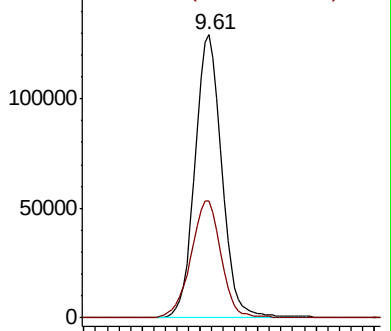
104 100

78 41.4 29.1 54.1

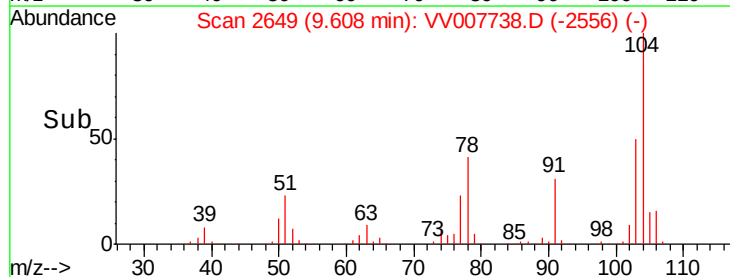


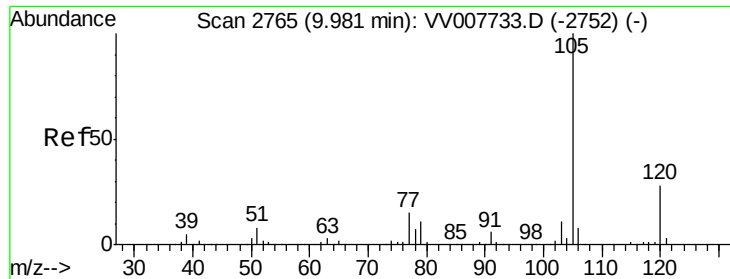
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



Time-->





#56

Isopropylbenzene

Concen: 49.329 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

Instrument :

MSVOA_V

ClientSampled :

BFB71

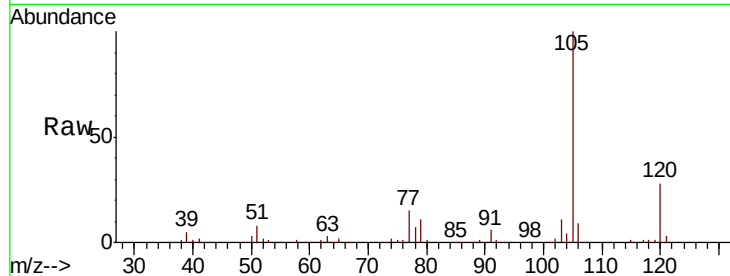
Tgt Ion: 105 Resp: 322607

Ion Ratio Lower Upper

105 100

120 27.4 22.0 33.0

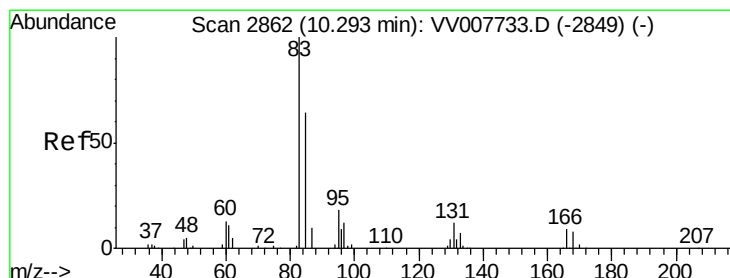
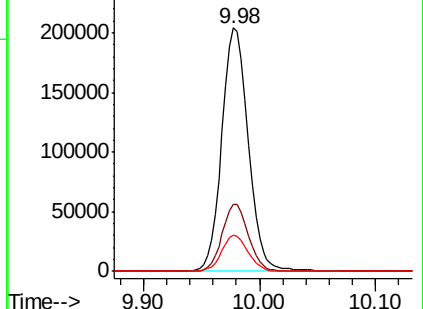
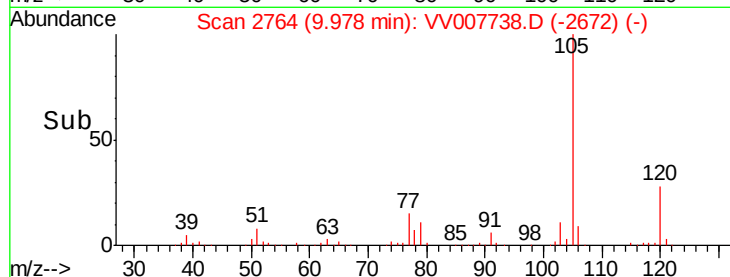
77 14.7 12.1 18.1



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: 48.094 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

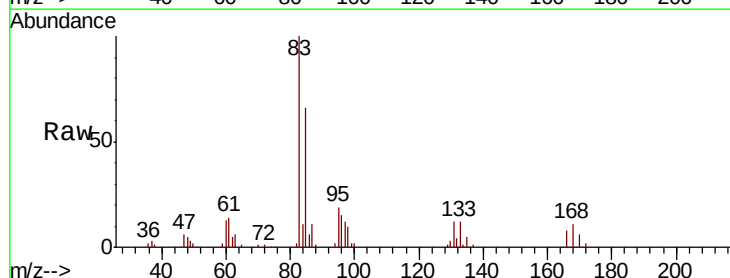
Tgt Ion: 83 Resp: 100379

Ion Ratio Lower Upper

83 100

85 65.7 45.4 84.4

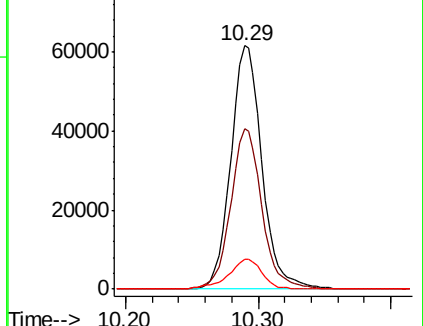
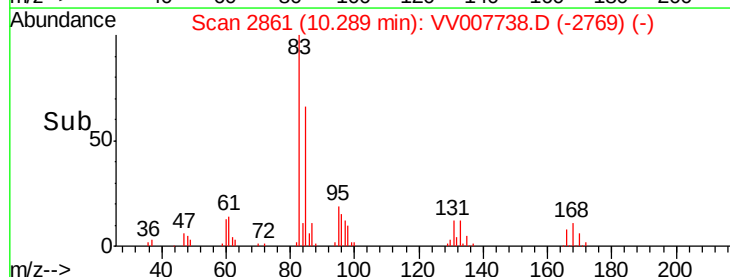
131 12.0 9.8 14.8

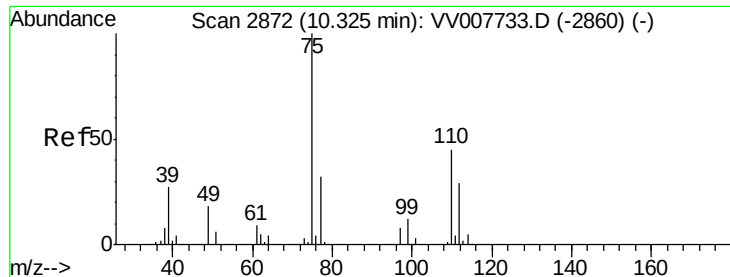


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

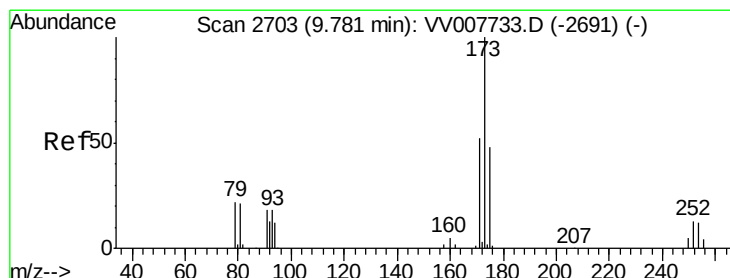
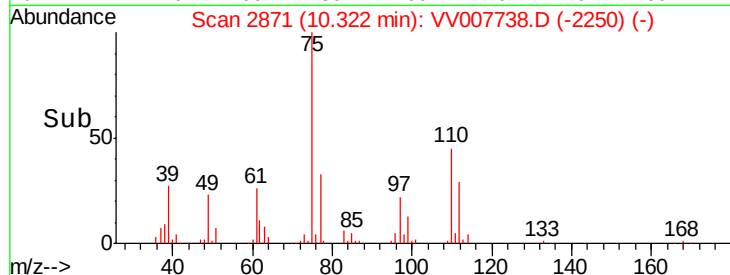
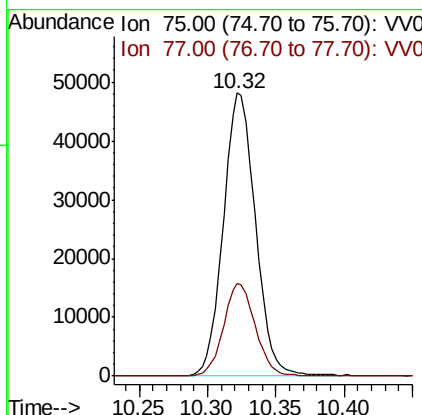
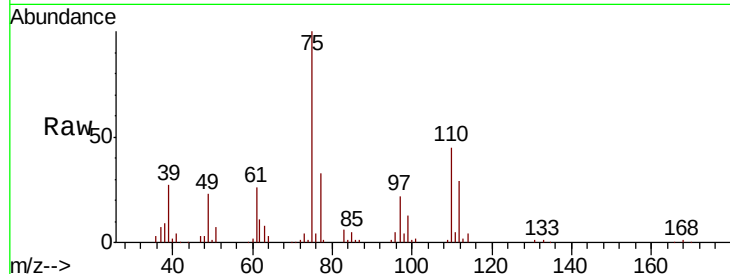




#59
 1,2,3-Trichloropropane
 Concen: 47.821 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV007738.D
 Acq: 22 Sep 2018 16:39

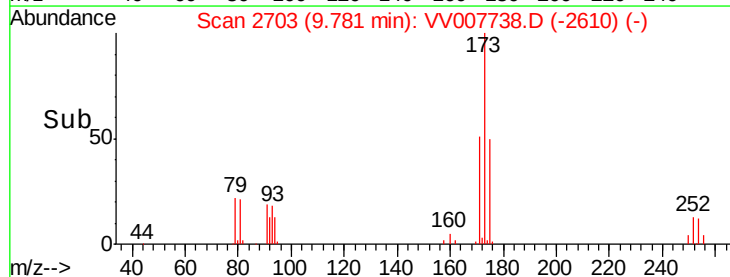
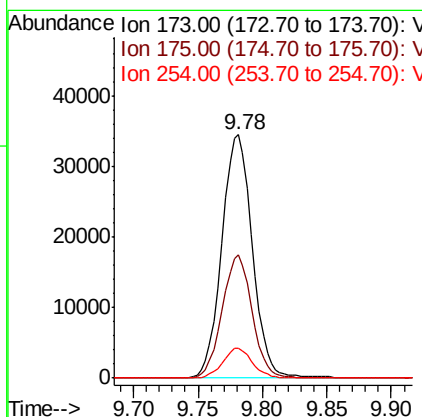
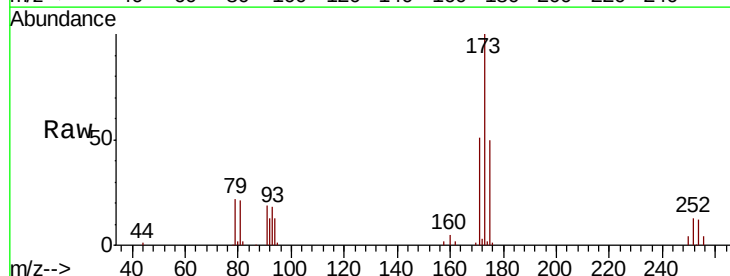
Instrument :
 MSVOA_V
 ClientSampled :
 BFB71

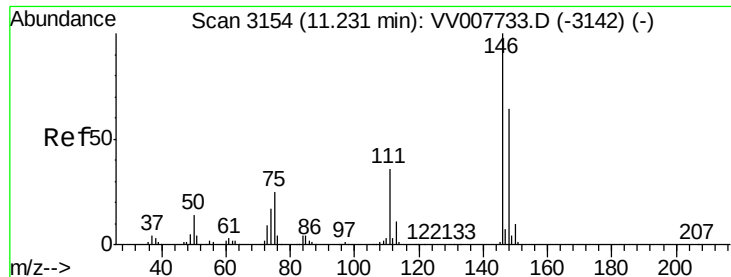
Tgt Ion: 75 Resp: 78935
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.6 38.4



#61
 Bromoform
 Concen: 48.637 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV007738.D
 Acq: 22 Sep 2018 16:39

Tgt Ion: 173 Resp: 56639
 Ion Ratio Lower Upper
 173 100
 175 49.4 38.7 58.1
 254 11.8 9.7 14.5





#62

1,3-Dichlorobenzene

Concen: 47.997 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

Instrument :

MSVOA_V

ClientSampled :

BFB71

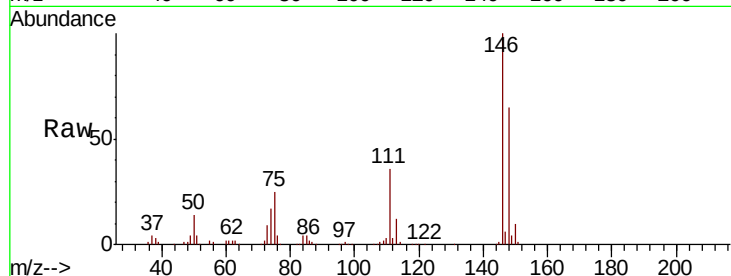
Tgt Ion:146 Resp: 170319

Ion Ratio Lower Upper

146 100

111 36.0 25.1 46.7

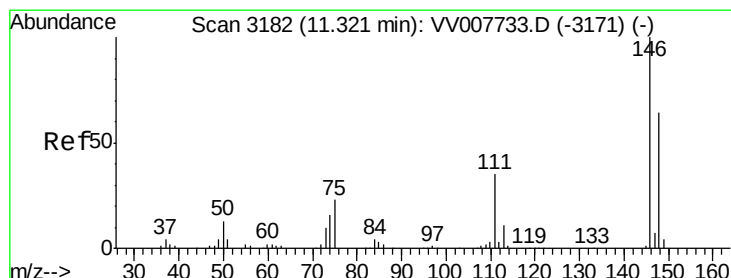
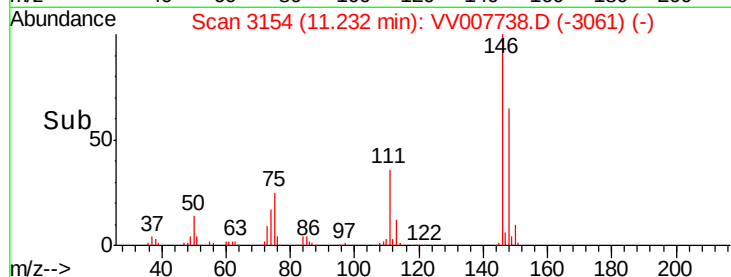
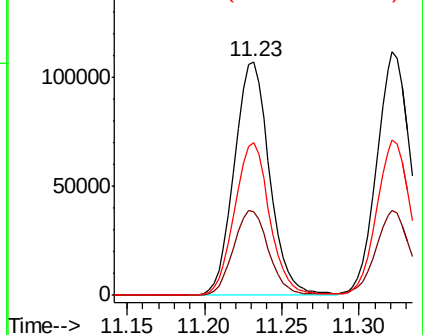
148 65.4 45.1 83.9



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: 47.752 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

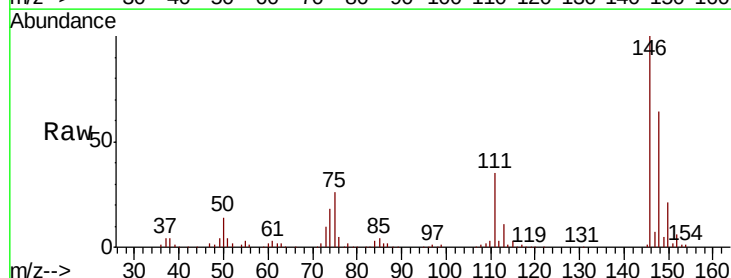
Tgt Ion:146 Resp: 175759

Ion Ratio Lower Upper

146 100

111 34.9 24.4 45.4

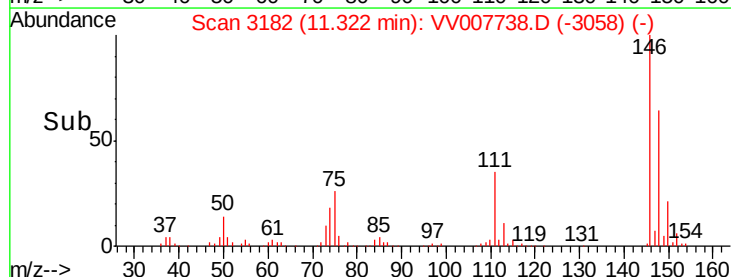
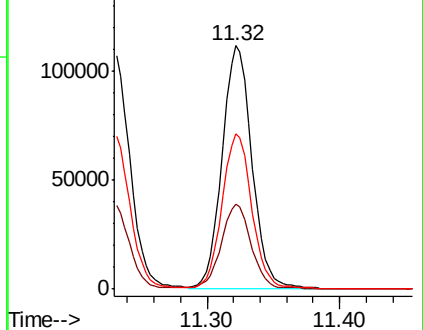
148 63.7 45.1 83.7

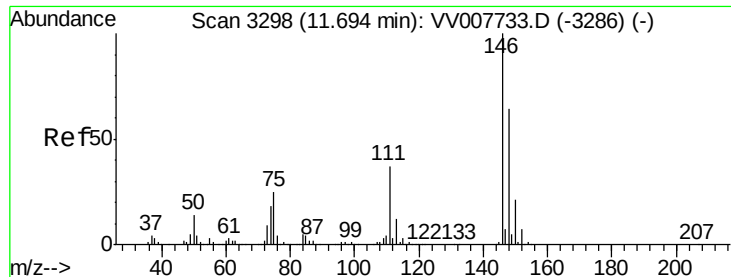


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

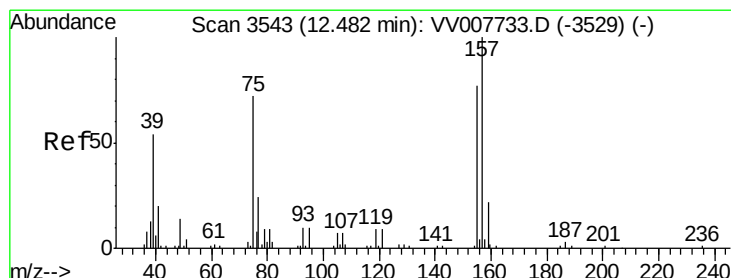
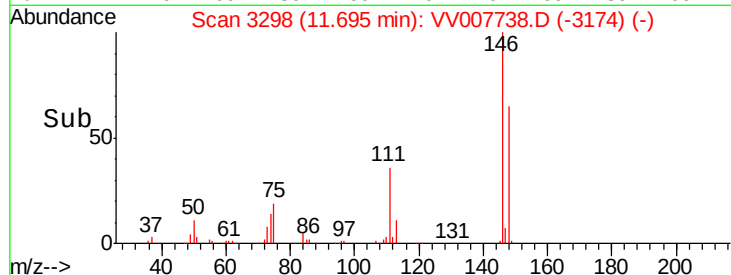
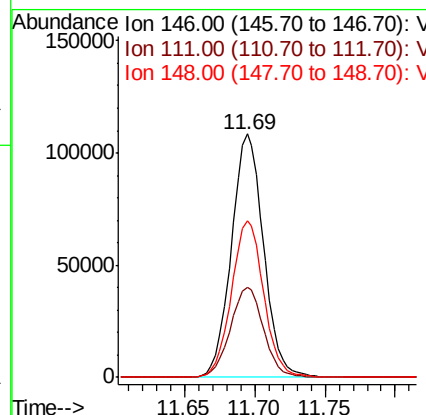
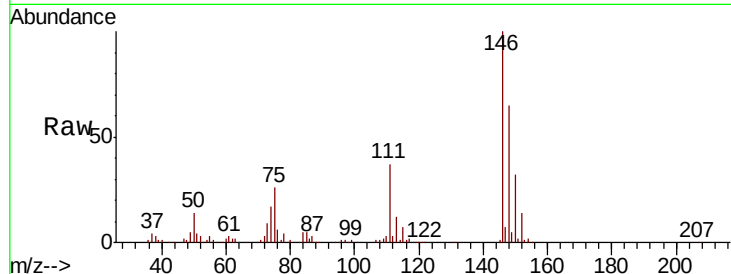




#65
 1,2-Dichlorobenzene
 Concen: 48.192 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV007738.D
 Acq: 22 Sep 2018 16:39

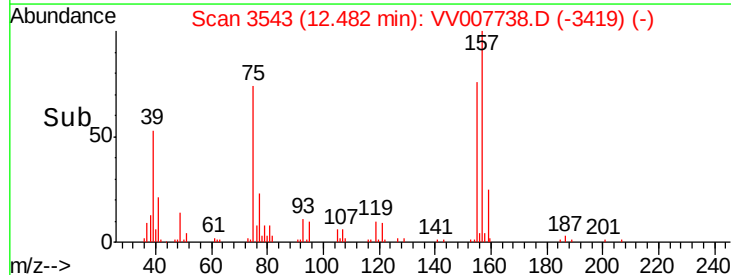
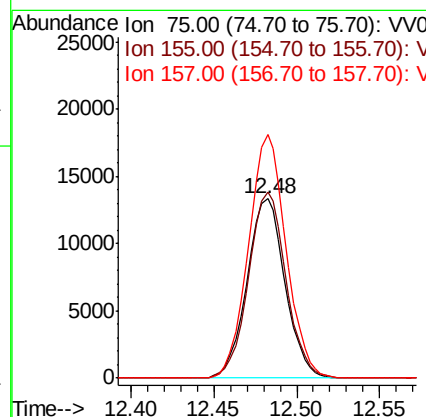
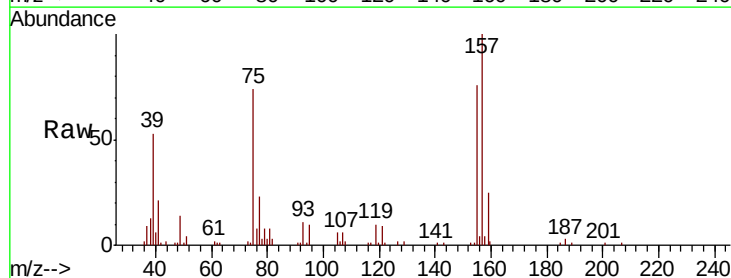
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB71

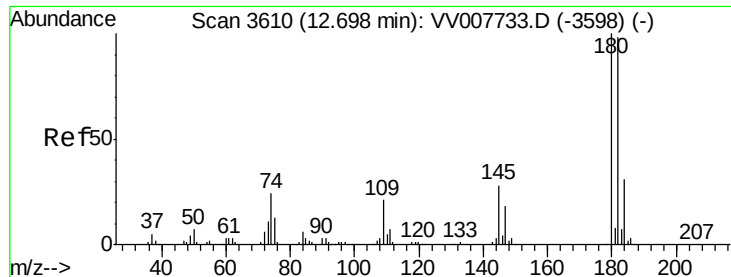
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	29.8	44.8
148	64.5	50.8	76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.905 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV007738.D
 Acq: 22 Sep 2018 16:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.6	86.0	129.0
157	136.0	111.5	167.3

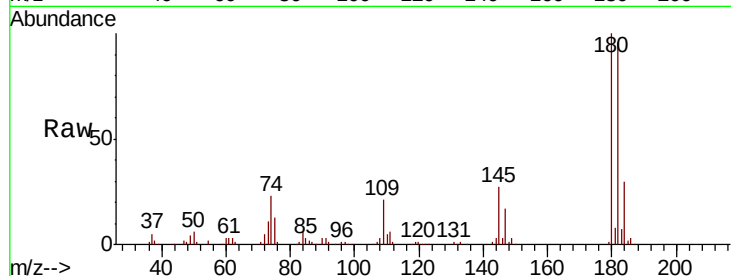




#67
 1,3,5-Trichlorobenzene
 Concen: 49.145 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007738.D
 Acq: 22 Sep 2018 16:39

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB71

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.6	116.4
184	30.8	24.7	37.1
145	27.3	21.8	32.8



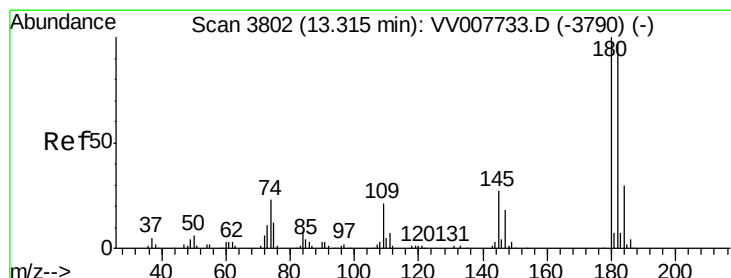
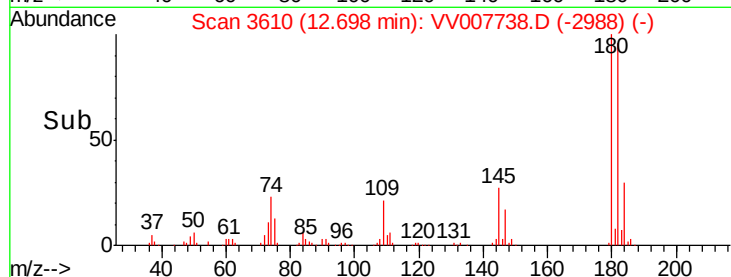
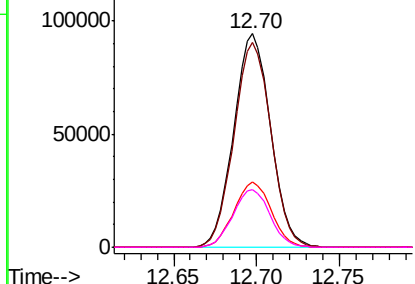
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

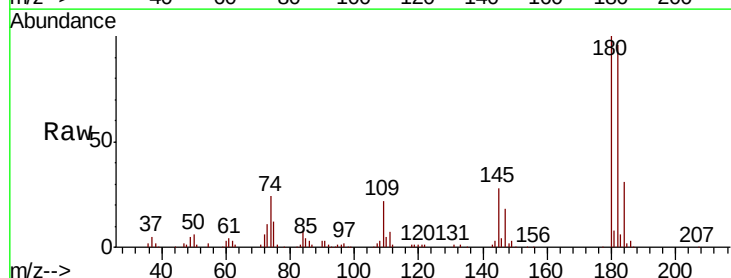
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.174 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007738.D
 Acq: 22 Sep 2018 16:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.0	115.6
145	28.5	22.2	33.2

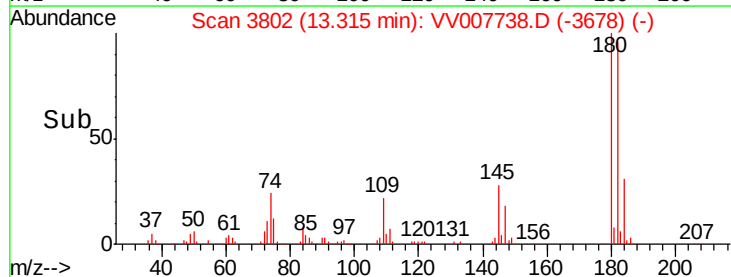
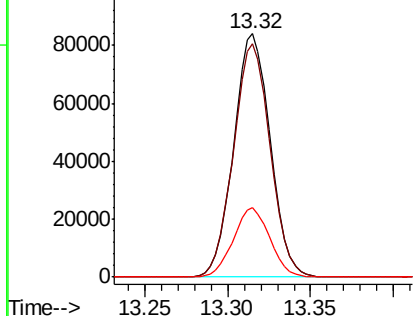


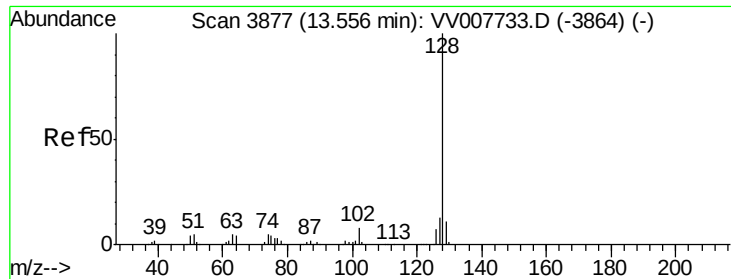
Abundance

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: 49.152 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

Instrument :

MSVOA_V

ClientSampled :

BFB71

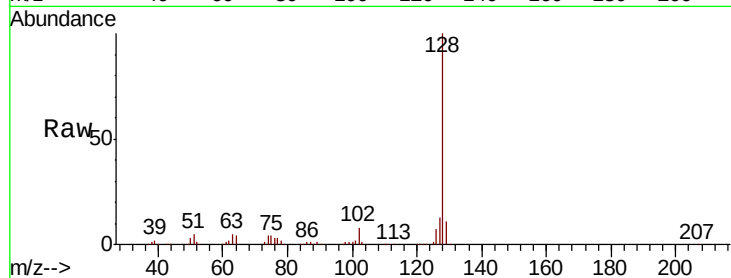
Tgt Ion:128 Resp: 337076

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

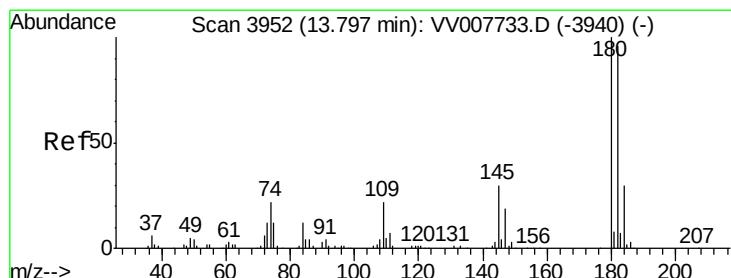
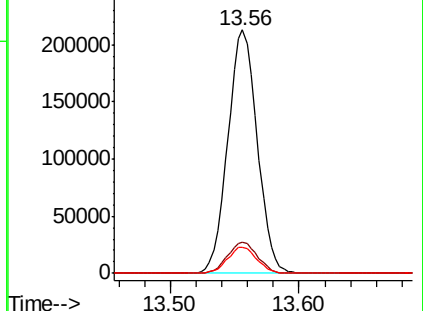
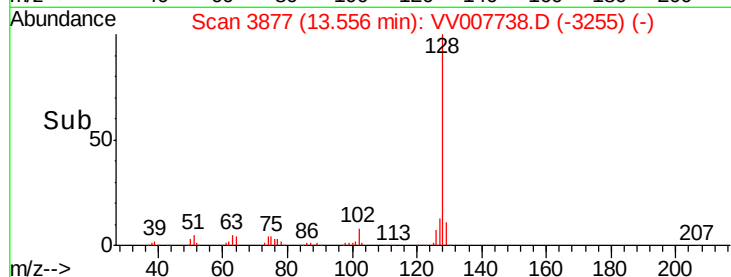
129 10.6 8.6 13.0



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: 48.828 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV007738.D

Acq: 22 Sep 2018 16:39

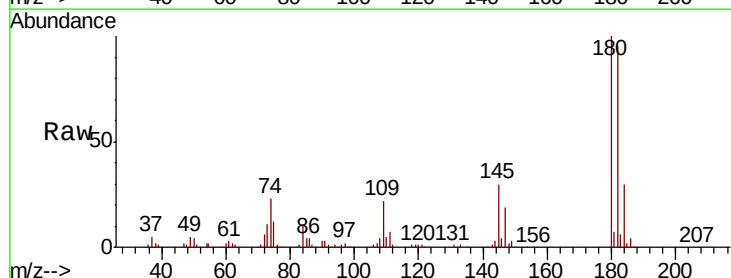
Tgt Ion:180 Resp: 132009

Ion Ratio Lower Upper

180 100

182 95.0 77.4 116.2

145 30.0 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

