

Data File : VV007603.D
Acq On : 18 Sep 2018 15:06
Operator : SY/MD
Sample : VSTDICV005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB75

Quant Time: Sep 19 01:44:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 19 01:43:46 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	121274	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	112484	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	63348	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29074	5.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.60%
7) Chloroethane-d5	1.59	69	25885	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.14	63	71201	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.80%
20) 2-Butanone-d5	3.97	46	45477	57.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.10%
24) Chloroform-d	4.41	84	62253	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
26) 1,2-Dichloroethane-d4	5.09	65	30582	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.10	84	119344	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.12	67	34510	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.36	98	127480	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
43) trans-1,3-Dichloropropene-	7.67	79	14959	4.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.40%
46) 2-Hexanone-d5	8.15	63	27806	51.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.32%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	23390	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	54224	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	48959	4.912 ug/L	98
3) Chloromethane	1.25	50	36924	5.018 ug/L	99
5) Vinyl chloride	1.32	62	42104	5.043 ug/L	97
6) Bromomethane	1.54	94	30826	4.990 ug/L	96
8) Chloroethane	1.60	64	25763	5.036 ug/L	98
9) Trichlorofluoromethane	1.77	101	84659	5.044 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	47186	5.080 ug/L	99
12) 1,1-Dichloroethene	2.14	96	41666	4.925 ug/L	95
13) Acetone	2.21	43	28220	41.573 ug/L	86
14) Carbon disulfide	2.32	76	120532	4.874 ug/L	100
15) Methyl Acetate	2.47	43	11539	5.821 ug/L	97
16) Methylene chloride	2.54	84	41155	4.605 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	92339	5.014 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	45660	5.013 ug/L	98
19) 1,1-Dichloroethane	3.23	63	59815	5.074 ug/L	97
21) 2-Butanone	4.05	43	48962	46.338 ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	41610	5.048 ug/L	100

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	18547	4.959	ug/L	97
25) Chloroform	4.43	83	69570	4.987	ug/L	96
27) 1,2-Dichloroethane	5.19	62	39288	4.930	ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	67005	5.107	ug/L	99
30) Cyclohexane	4.72	56	56620	4.957	ug/L	99
31) Carbon tetrachloride	4.88	117	62543	5.097	ug/L	98
33) Benzene	5.15	78	144726	5.025	ug/L	100
34) Trichloroethene	5.96	95	45794	4.779	ug/L	97
35) Methylcyclohexane	6.18	83	69671	5.009	ug/L	100
37) 1,2-Dichloropropane	6.23	63	33839	5.161	ug/L	100
38) Bromodichloromethane	6.56	83	47434	5.000	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	53963	4.983	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	186499	48.577	ug/L	100
42) Toluene	7.43	91	167521	5.015	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	42708	4.923	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	26702	5.001	ug/L	97
47) Tetrachloroethene	8.02	164	42286	4.897	ug/L	99
48) 2-Hexanone	8.20	43	143939	48.645	ug/L	99
49) Dibromochloromethane	8.30	129	36234	5.130	ug/L	98
50) 1,2-Dibromoethane	8.40	107	26628	5.022	ug/L	97
51) Chlorobenzene	8.93	112	115278	4.979	ug/L	98
52) Ethylbenzene	9.06	91	188457	4.961	ug/L	99
53) m,p-xylene	9.18	106	74981	4.908	ug/L	99
54) o-xylene	9.59	106	72613	5.064	ug/L	97
55) Styrene	9.61	104	118880	4.976	ug/L	98
56) Isopropylbenzene	9.98	105	195495	4.913	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	23484	4.850	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	21017	4.795	ug/L	97
61) Bromoform	9.78	173	20519	4.857	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	101481	4.817	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	100577	4.835	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	93478	4.837	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	3917	4.798	ug/L	91
67) 1,3,5-Trichlorobenzene	12.70	180	82487	4.957	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	62761	5.374	ug/L	98
69) Naphthalene	13.56	128	70703	5.184	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	56964	5.308	ug/L	99

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

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Instrument :
MSVOA_V
ClientSampleId :
BFB75

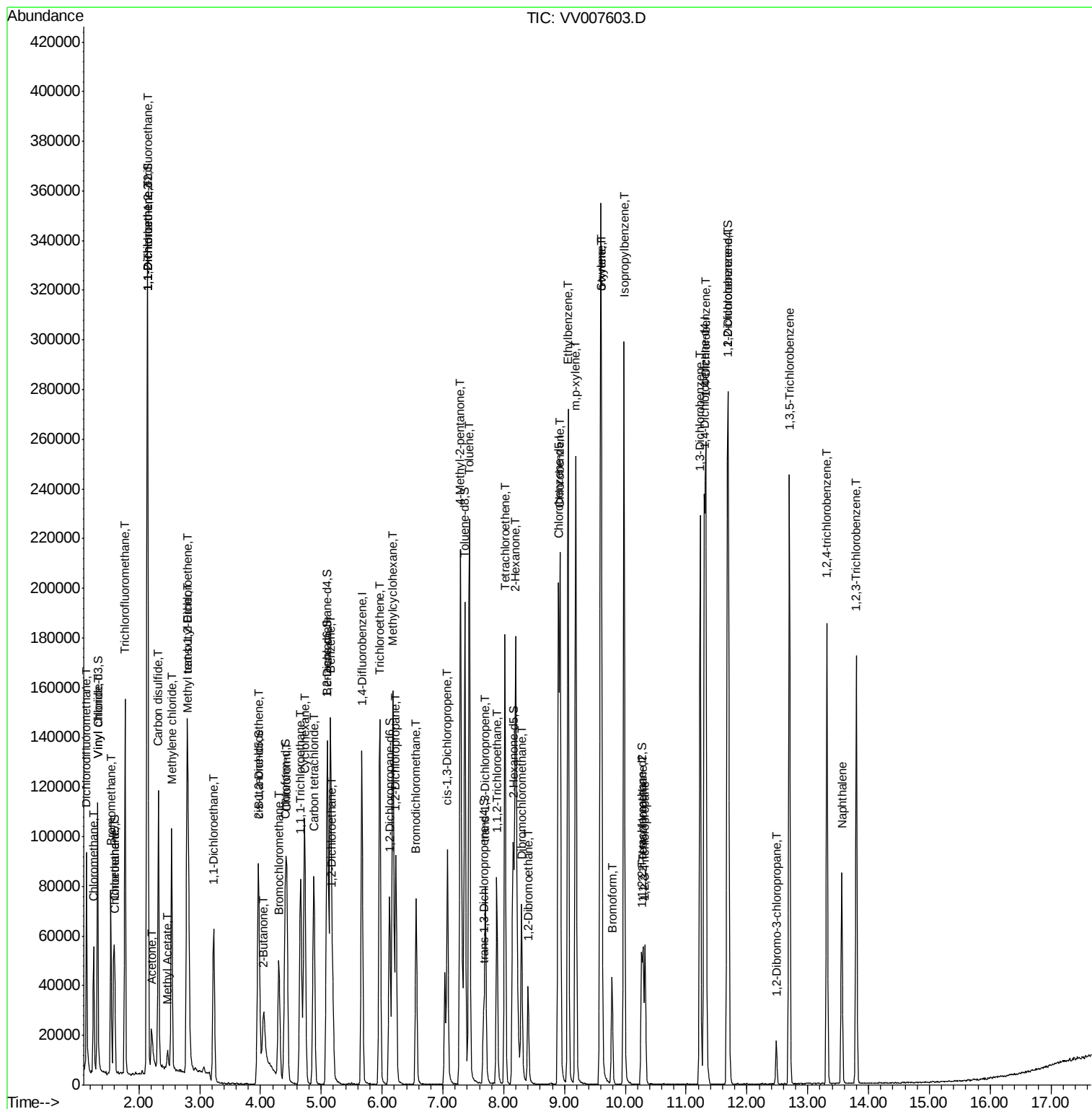
Quant Time: Sep 19 01:44:17 2018

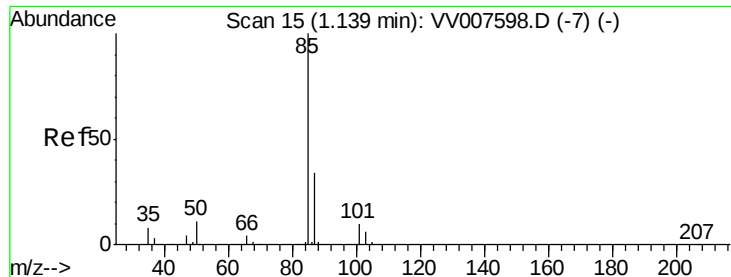
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR091818WMA.M

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#2

Dichlorodifluoromethane

Concen: 4.912 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV007603.D

Acq: 18 Sep 2018 15:06

Instrument :

MSVOA_V

ClientSampled :

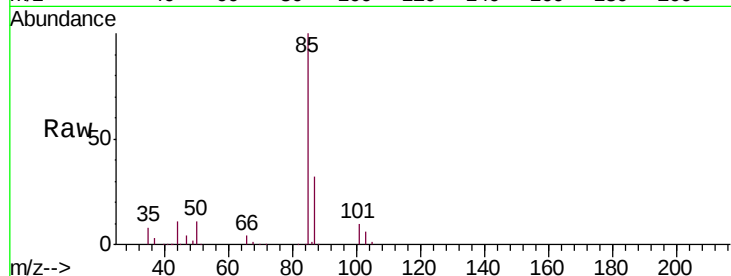
BFB75

Tgt Ion: 85 Resp: 48959

Ion Ratio Lower Upper

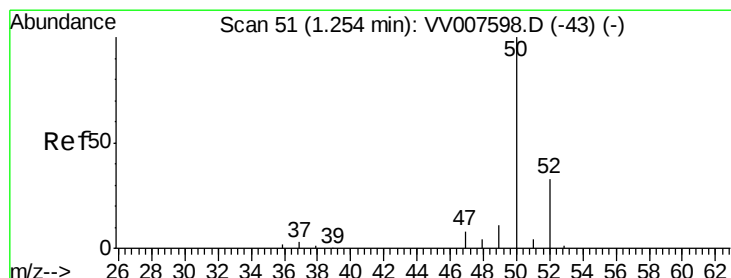
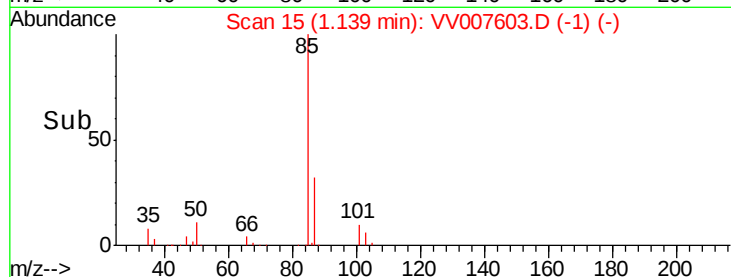
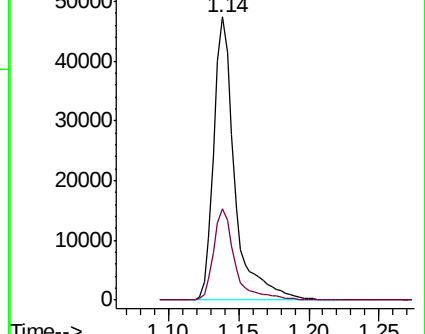
85 100

87 32.4 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.018 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007603.D

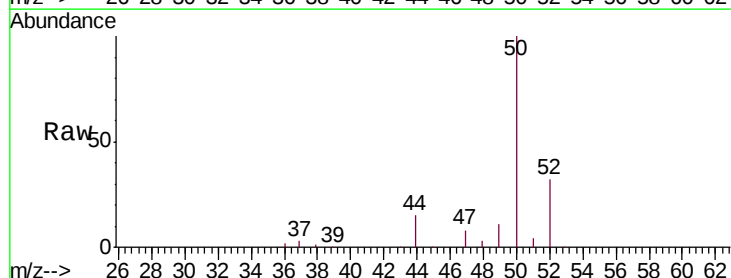
Acq: 18 Sep 2018 15:06

Tgt Ion: 50 Resp: 36924

Ion Ratio Lower Upper

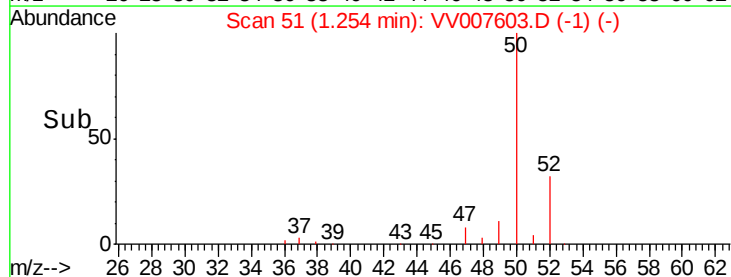
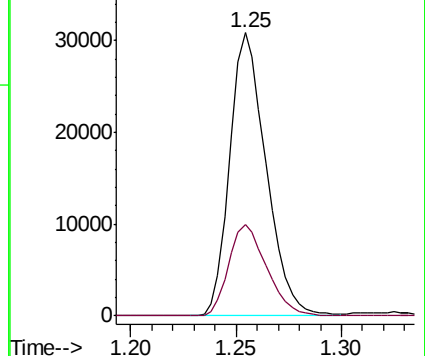
50 100

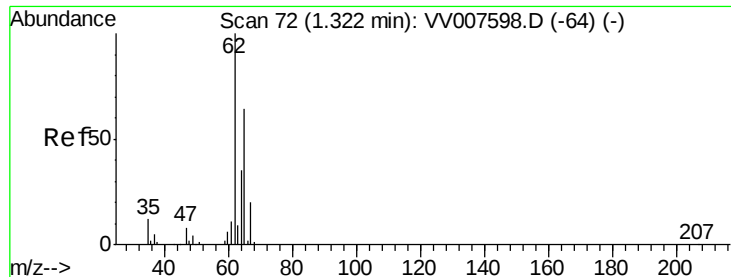
52 32.1 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.043 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV007603.D

Acq: 18 Sep 2018 15:06

Instrument :

MSVOA_V

ClientSampleId :

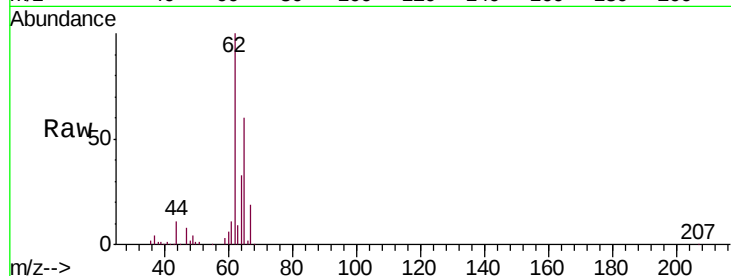
BFB75

Tgt Ion: 62 Resp: 42104

Ion Ratio Lower Upper

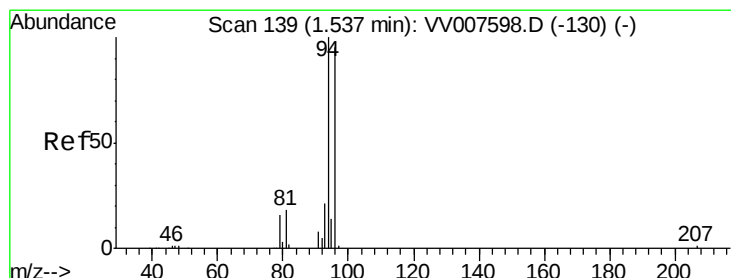
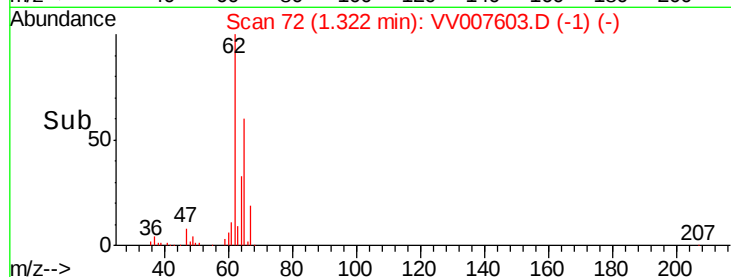
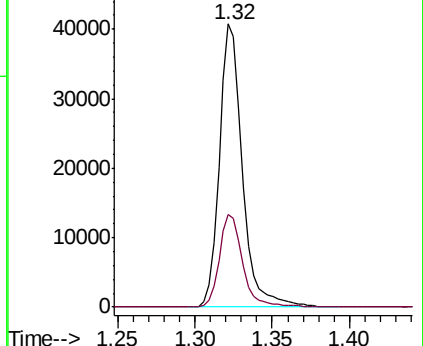
62 100

64 32.9 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VV007603.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV007603.D (-64) (-)



#6

Bromomethane

Concen: 4.990 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV007603.D

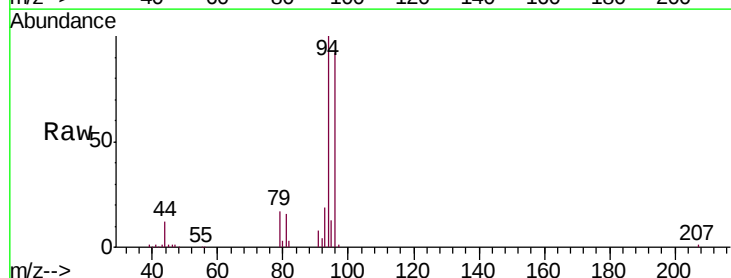
Acq: 18 Sep 2018 15:06

Tgt Ion: 94 Resp: 30826

Ion Ratio Lower Upper

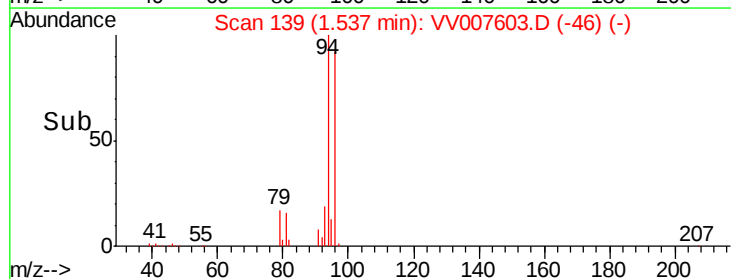
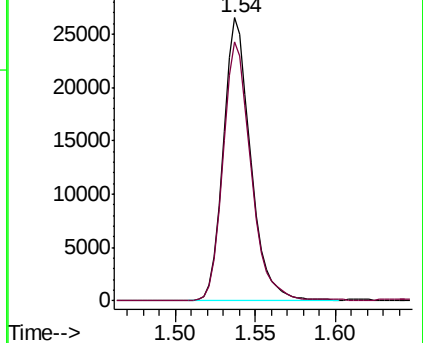
94 100

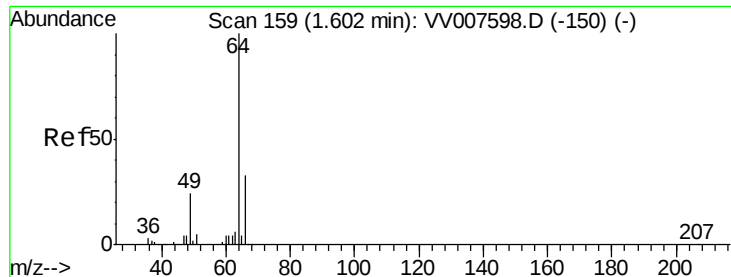
96 91.6 66.6 123.6



Abundance Ion 94.00 (93.70 to 94.70): VV007603.D (-94) (-)

Ion 96.00 (95.70 to 96.70): VV007603.D (-96) (-)





#8

Chloroethane

Concen: 5.036 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV007603.D

Acq: 18 Sep 2018 15:06

Instrument :

MSVOA_V

ClientSampleId :

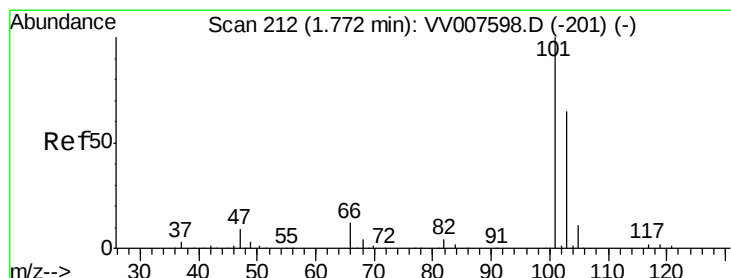
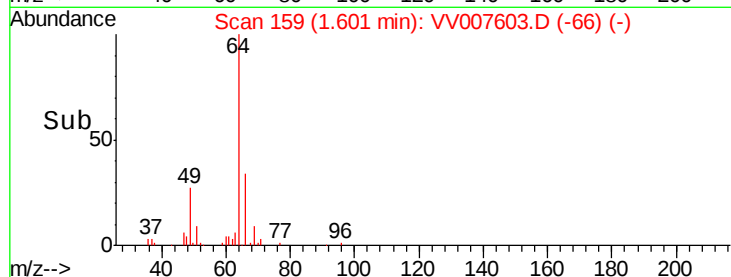
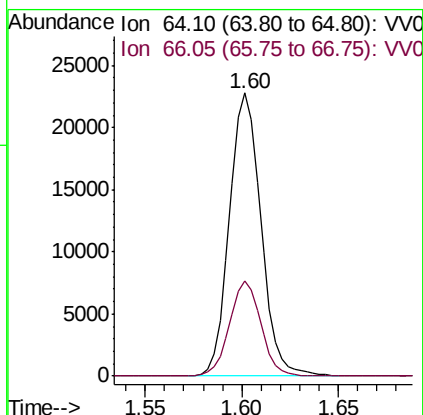
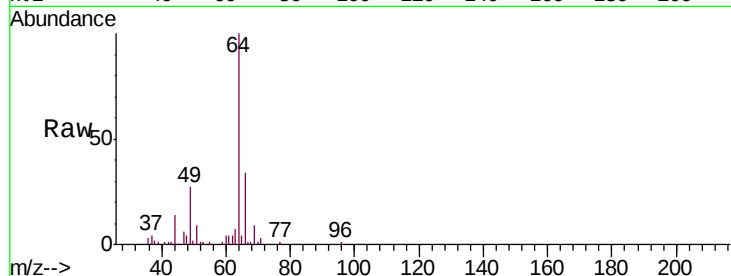
BFB75

Tgt Ion: 64 Resp: 25763

Ion Ratio Lower Upper

64 100

66 33.6 22.9 42.5



#9

Trichlorofluoromethane

Concen: 5.044 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV007603.D

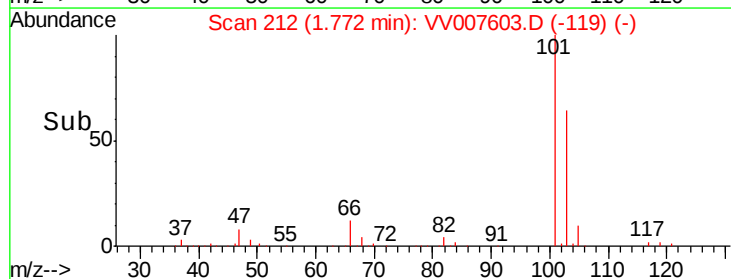
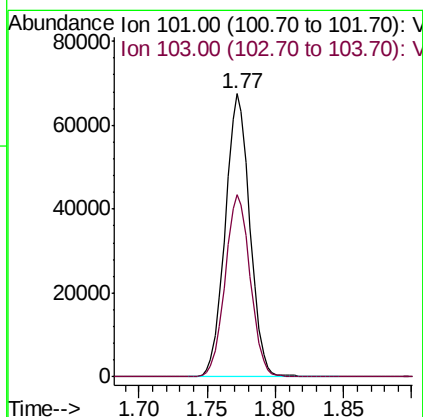
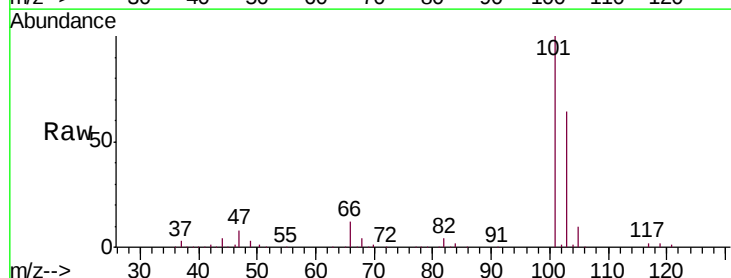
Acq: 18 Sep 2018 15:06

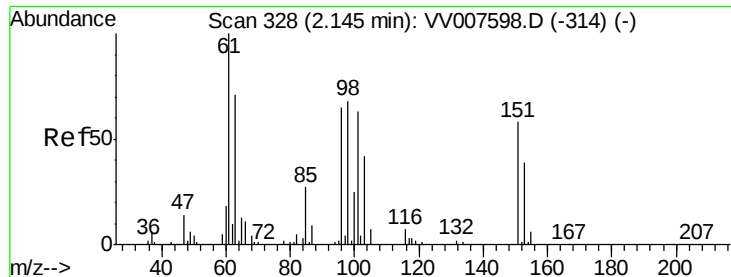
Tgt Ion: 101 Resp: 84659

Ion Ratio Lower Upper

101 100

103 65.5 52.2 78.2





#10

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

Concen: 5.080 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007603.D

Acq: 18 Sep 2018 15:06

Instrument :

MSVOA_V

ClientSampleId :

BFB75

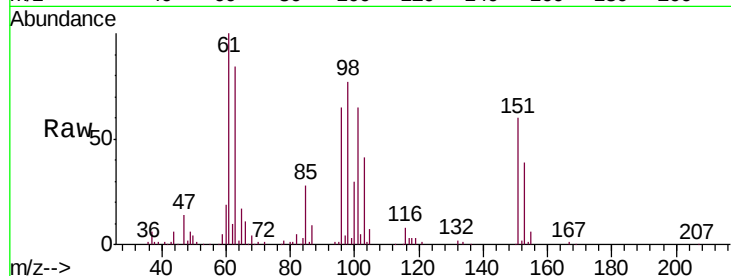
Tgt Ion: 101 Resp: 47186

Ion Ratio Lower Upper

101 100

85 43.0 34.4 51.6

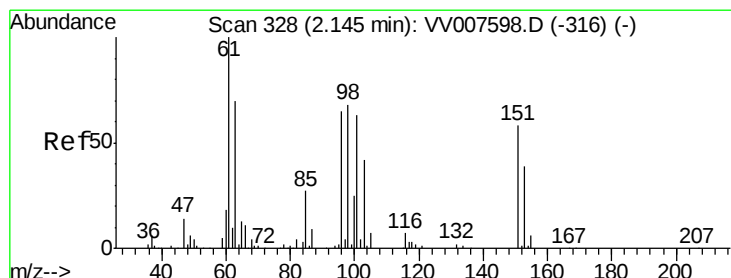
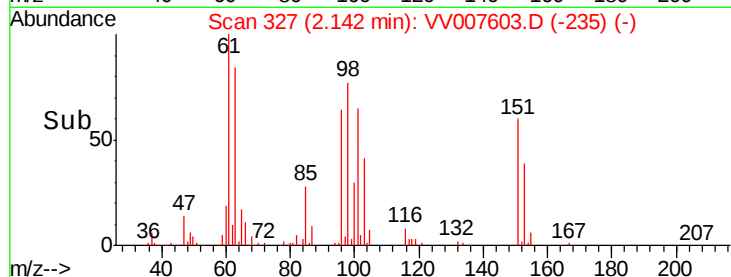
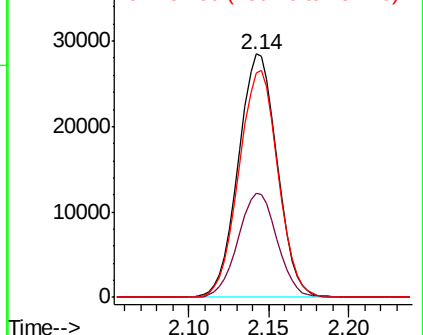
151 93.9 74.1 111.1



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: 4.925 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007603.D

Acq: 18 Sep 2018 15:06

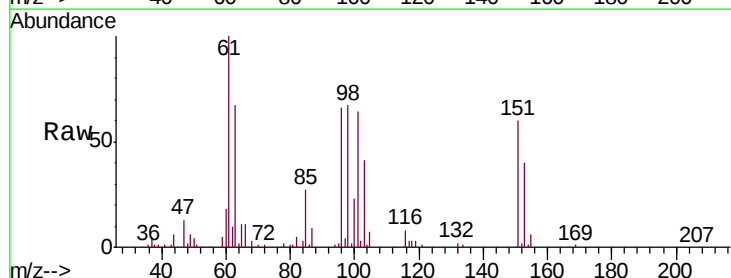
Tgt Ion: 96 Resp: 41666

Ion Ratio Lower Upper

96 100

61 150.4 108.1 200.9

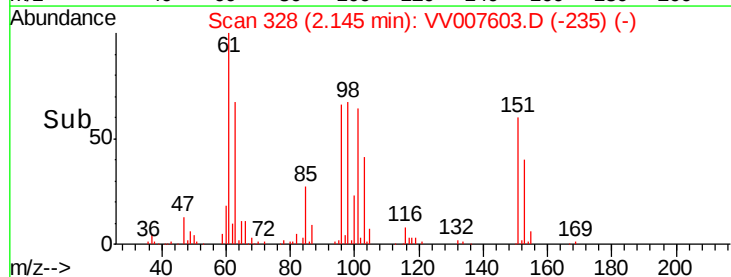
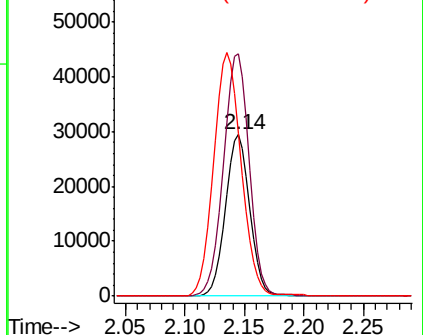
63 100.8 76.9 142.9

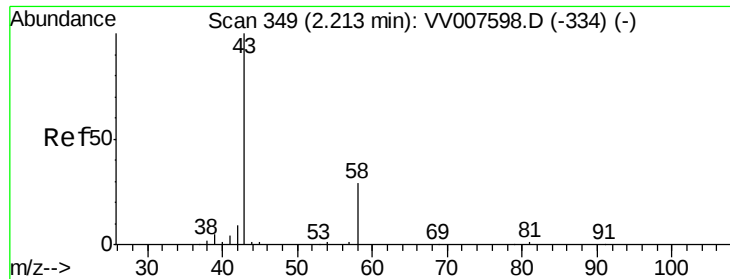


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 41.573 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

Lab File: VV007603.D

Acq: 18 Sep 2018 15:06

Instrument :

MSVOA_V

ClientSampleId :

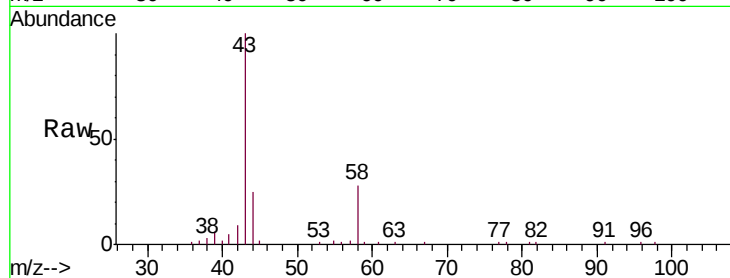
BFB75

Tgt Ion: 43 Resp: 28220

Ion Ratio Lower Upper

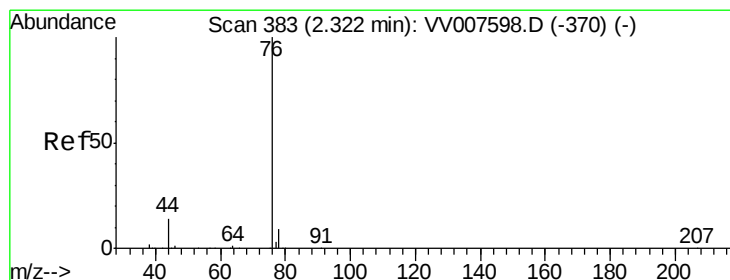
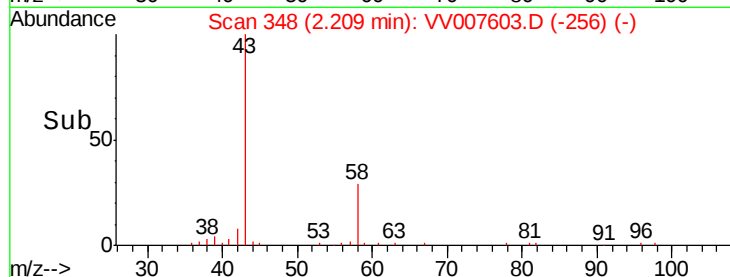
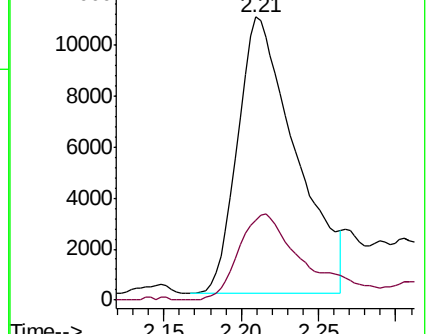
43 100

58 36.1 0.0 57.2



Abundance Ion 43.05 (42.75 to 43.75): VV007598.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV007598.D (-334) (-)



#14

Carbon disulfide

Concen: 4.874 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV007603.D

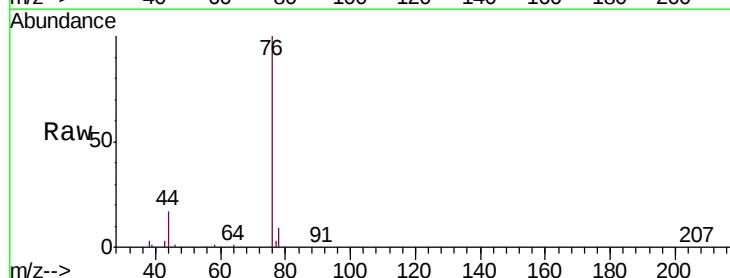
Acq: 18 Sep 2018 15:06

Tgt Ion: 76 Resp: 120532

Ion Ratio Lower Upper

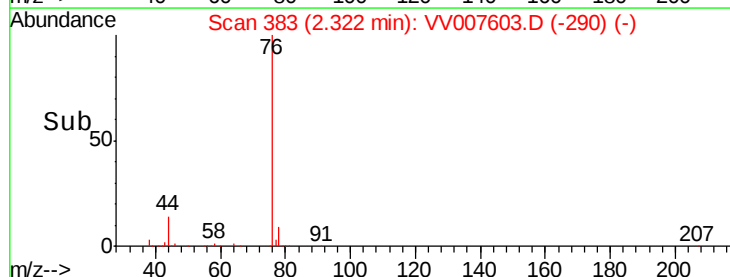
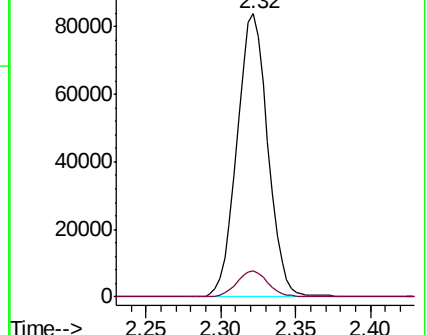
76 100

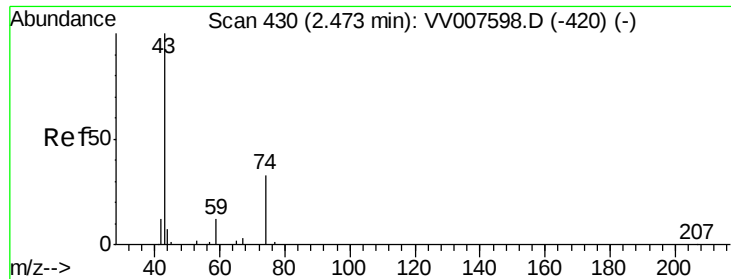
78 9.2 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV007598.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV007598.D (-370) (-)

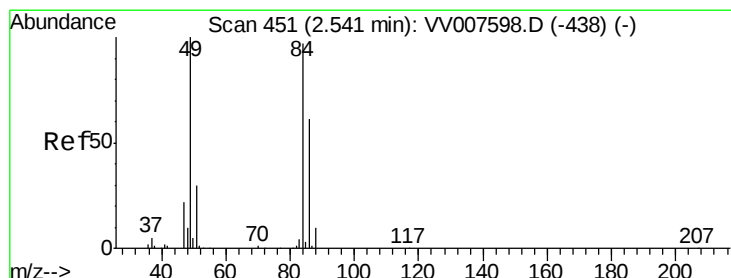
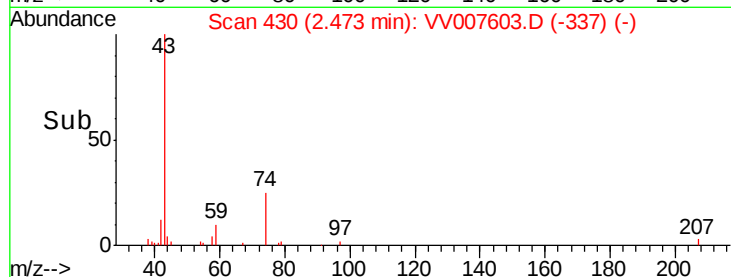
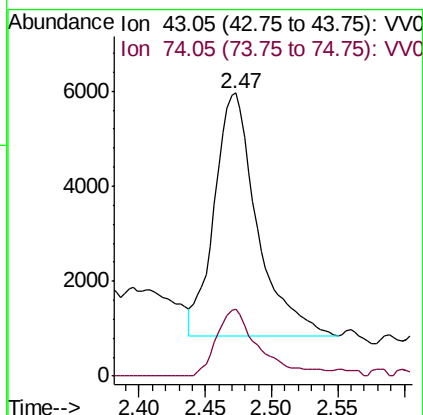
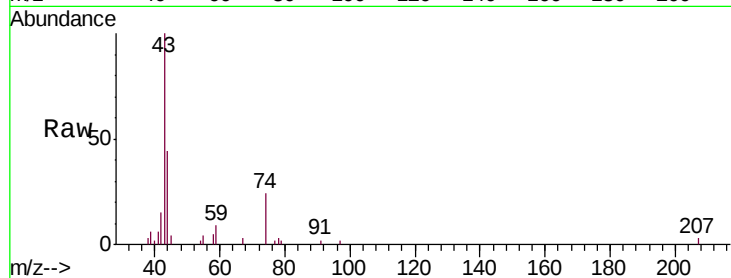




#15
Methyl Acetate
Concen: 5.821 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV007603.D
Acq: 18 Sep 2018 15:06

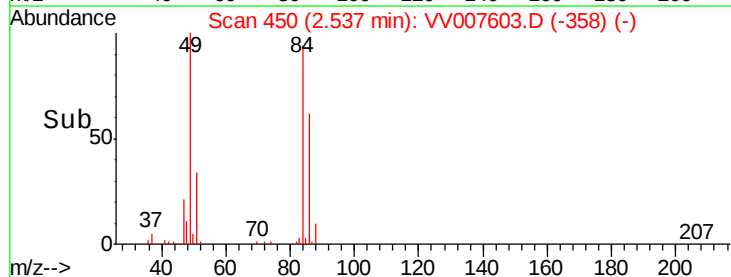
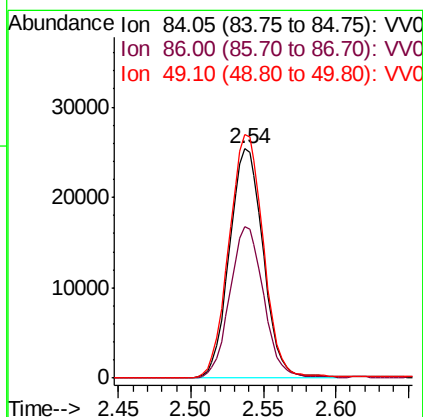
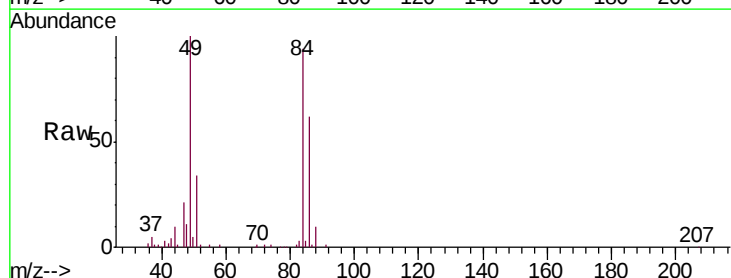
Instrument :
MSVOA_V
ClientSampled :
BFB75

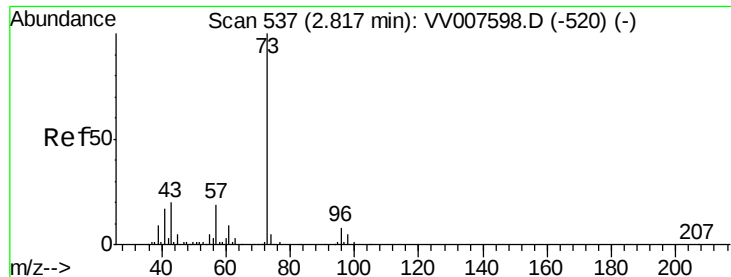
Tgt Ion: 43 Resp: 11539
Ion Ratio Lower Upper
43 100
74 27.6 20.6 31.0



#16
Methylene chloride
Concen: 4.605 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV007603.D
Acq: 18 Sep 2018 15:06

Tgt Ion: 84 Resp: 41155
Ion Ratio Lower Upper
84 100
86 66.2 44.4 82.4
49 106.2 72.3 134.3





#17

Methyl tert-butyl Ether

Concen: 5.014 ug/L

RT: 2.81 min Scan# 536

Delta R.T. -0.00 min

Lab File: VV007603.D

Acq: 18 Sep 2018 15:06

Instrument :

MSVOA_V

ClientSampleId :

BFB75

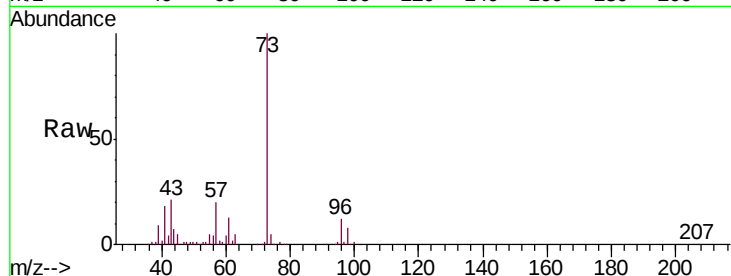
Tgt Ion: 73 Resp: 92339

Ion Ratio Lower Upper

73 100

43 19.9 16.2 24.2

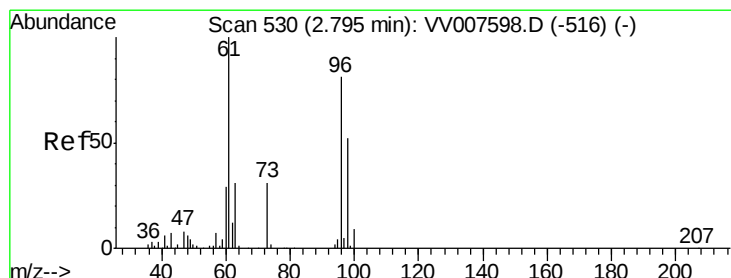
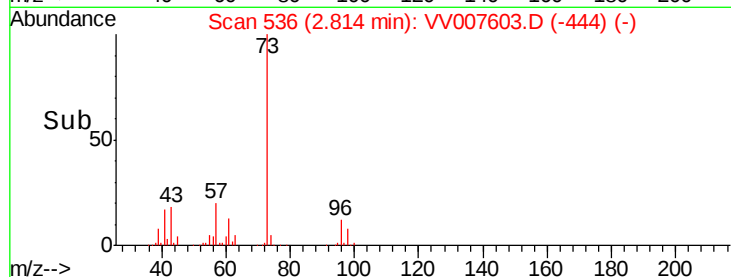
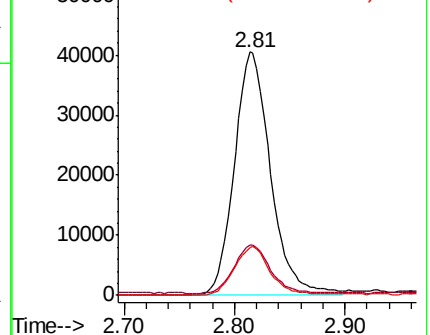
57 20.3 16.4 24.6



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 5.013 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV007603.D

Acq: 18 Sep 2018 15:06

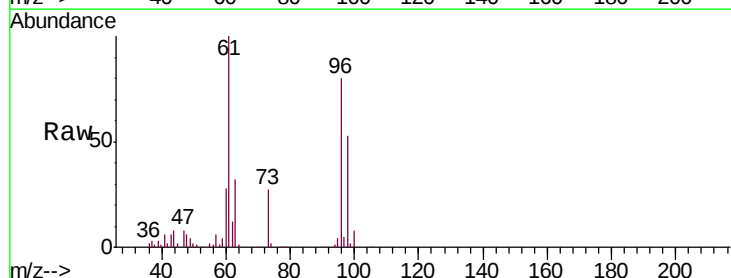
Tgt Ion: 96 Resp: 45660

Ion Ratio Lower Upper

96 100

61 125.1 86.0 159.6

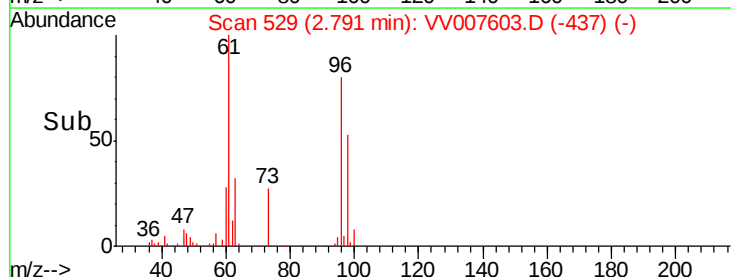
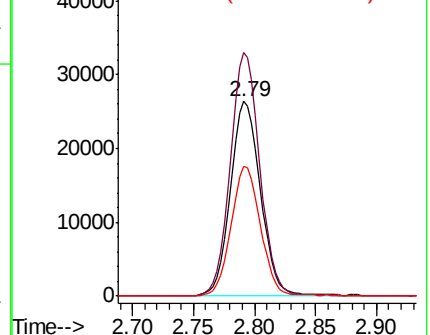
98 66.5 44.9 83.3

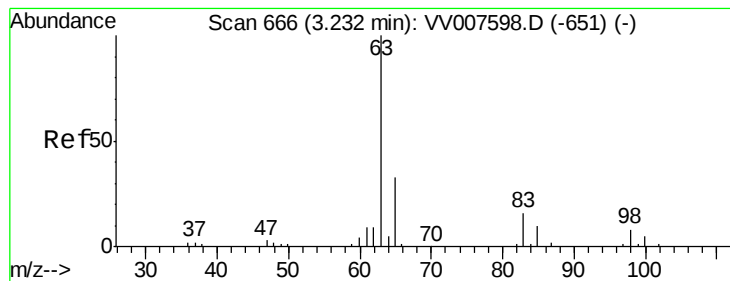


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 5.074 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV007603.D

Acq: 18 Sep 2018 15:06

Instrument :

MSVOA_V

ClientSampleId :

BFB75

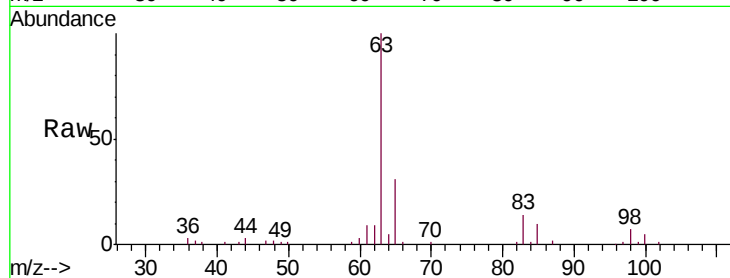
Tgt Ion: 63 Resp: 59815

Ion Ratio Lower Upper

63 100

65 31.4 23.0 42.8

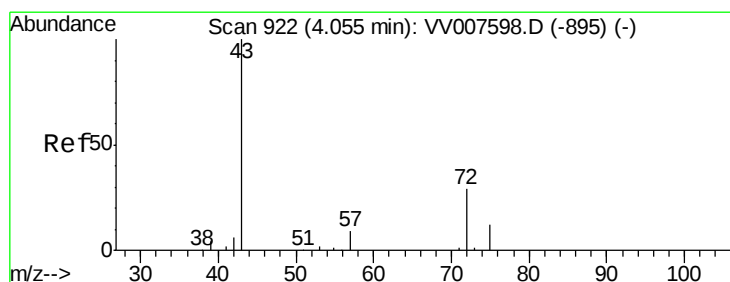
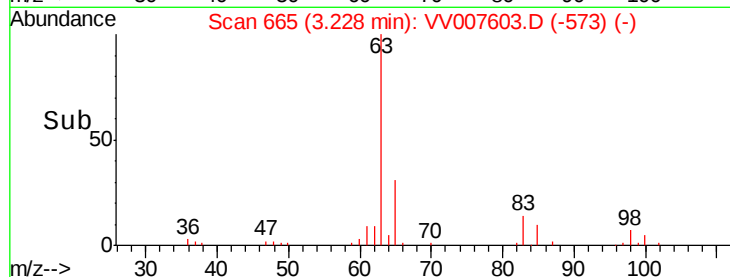
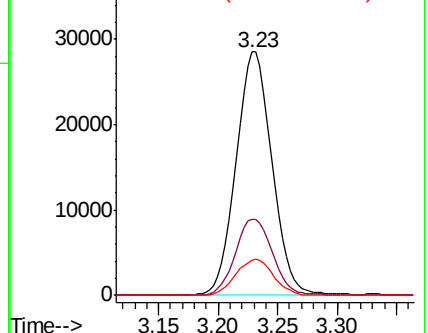
83 14.5 11.3 20.9



Abundance Ion 63.10 (62.80 to 63.80): VV007598.D (-651) (-)

Ion 65.10 (64.80 to 65.80): VV007598.D (-651) (-)

Ion 83.05 (82.75 to 83.75): VV007598.D (-651) (-)



#21

2-Butanone

Concen: 46.338 ug/L

RT: 4.05 min Scan# 922

Delta R.T. -0.00 min

Lab File: VV007603.D

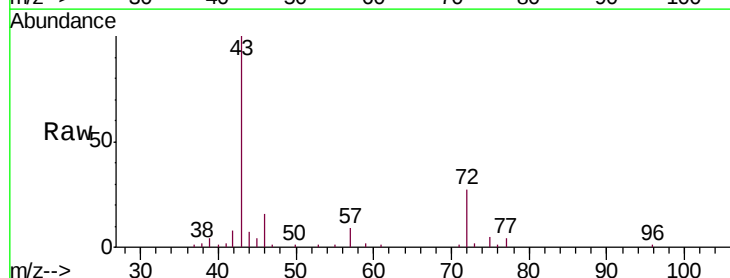
Acq: 18 Sep 2018 15:06

Tgt Ion: 43 Resp: 48962

Ion Ratio Lower Upper

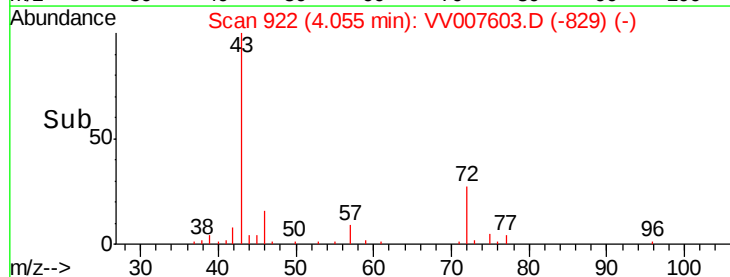
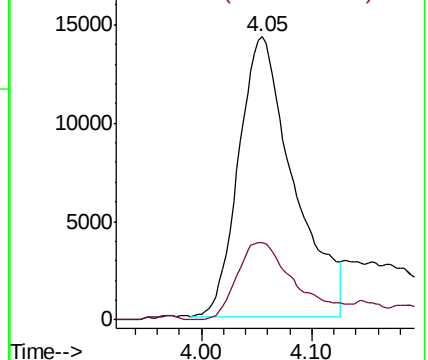
43 100

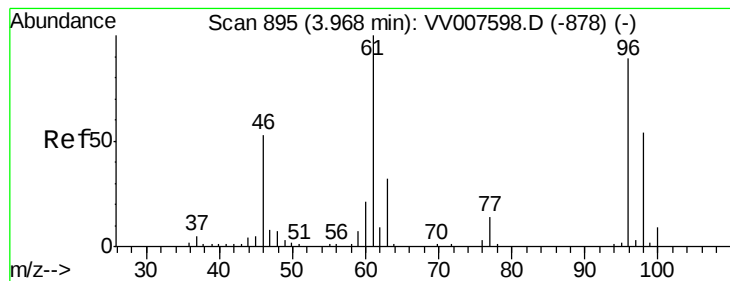
72 30.3 13.4 40.2



Abundance Ion 43.05 (42.75 to 43.75): VV007598.D (-895) (-)

Ion 72.10 (71.80 to 72.80): VV007598.D (-895) (-)



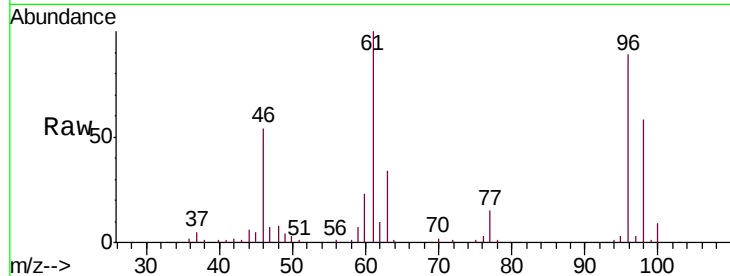


#22

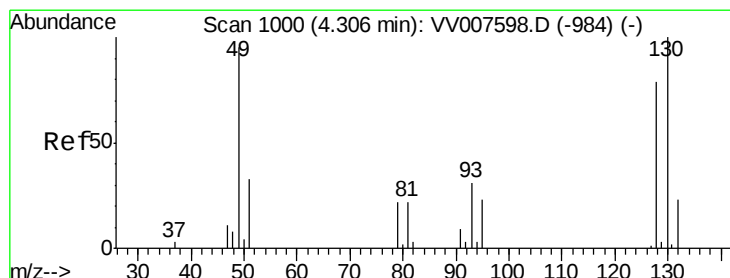
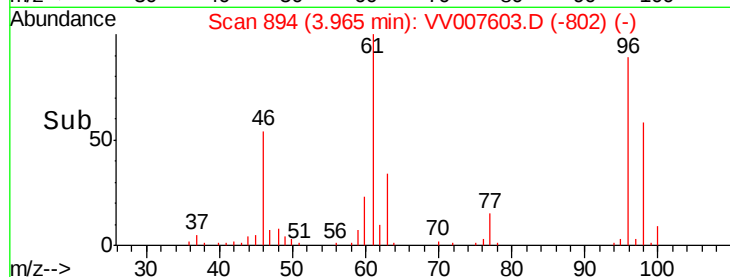
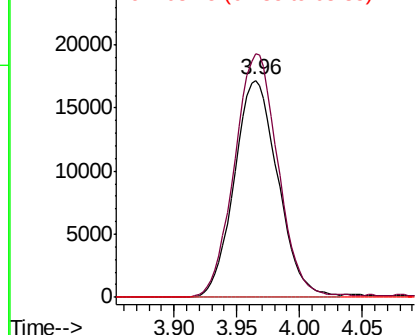
cis-1,2-Dichloroethene
Concen: 5.048 ug/L
RT: 3.96 min Scan# 894
Delta R.T. -0.00 min
Lab File: VV007603.D
Acq: 18 Sep 2018 15:06

Instrument :
MSVOA_V
ClientSampled :
BFB75

Tgt Ion: 96 Resp: 41610
Ion Ratio Lower Upper
96 100
61 112.2 78.4 145.6
68 0.0 0.0 0.0



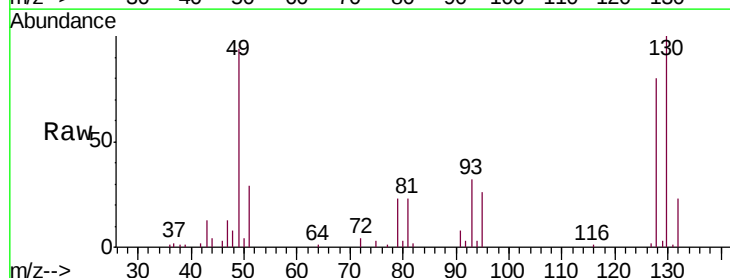
Abundance Ion 96.00 (95.70 to 96.70): VV007598.D (-878) (-)
Ion 61.05 (60.75 to 61.75): VV007598.D (-878) (-)
Ion 68.15 (67.85 to 68.85): VV007598.D (-878) (-)



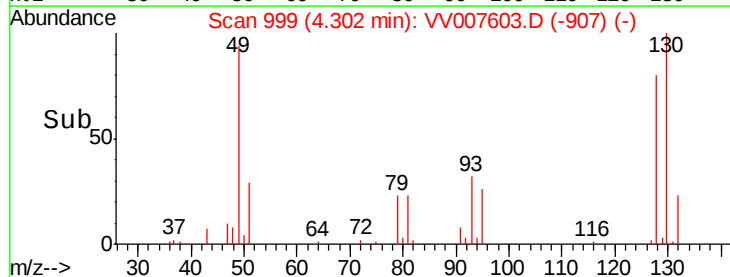
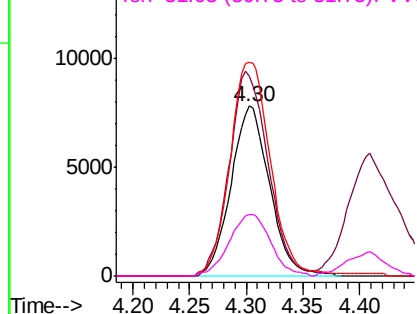
#23

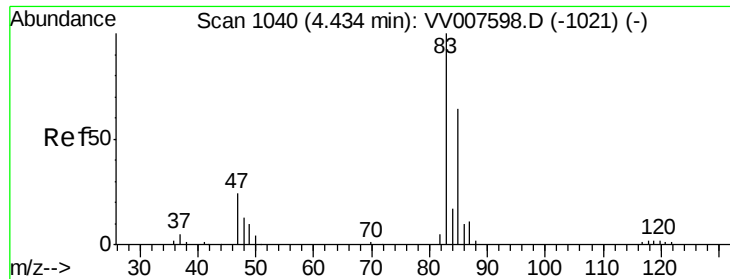
Bromochloromethane
Concen: 4.959 ug/L
RT: 4.30 min Scan# 999
Delta R.T. -0.00 min
Lab File: VV007603.D
Acq: 18 Sep 2018 15:06

Tgt Ion: 128 Resp: 18547
Ion Ratio Lower Upper
128 100
49 117.5 84.1 156.3
130 125.7 88.9 165.1
51 36.4 33.6 50.4



Abundance Ion 127.90 (127.60 to 128.60): VV007598.D (-984) (-)
Ion 49.10 (48.80 to 49.80): VV007598.D (-984) (-)
Ion 129.95 (129.65 to 130.65): VV007598.D (-984) (-)
Ion 51.05 (50.75 to 51.75): VV007598.D (-984) (-)

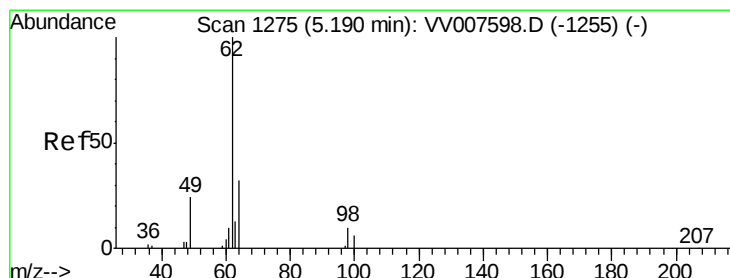
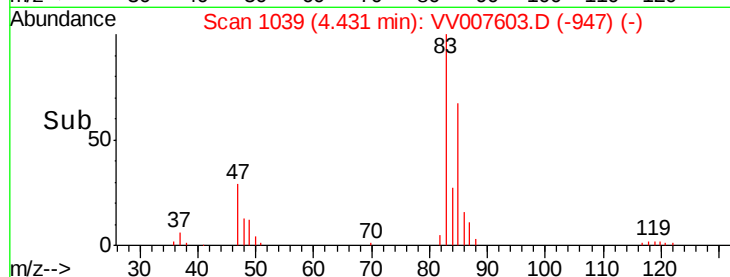
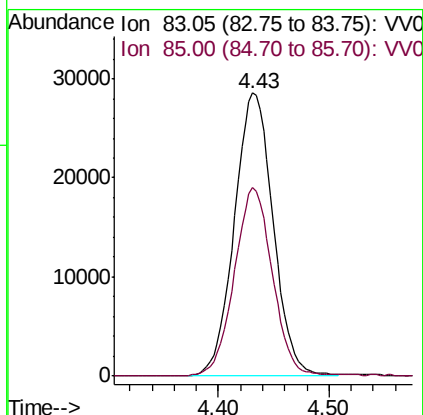
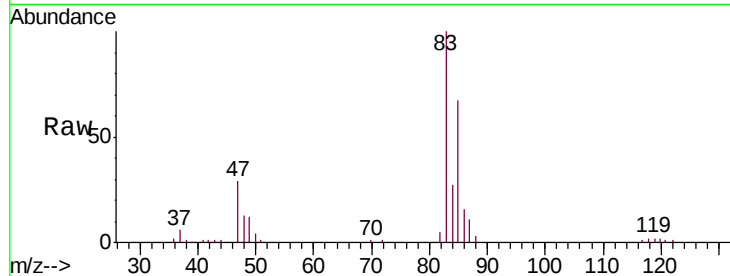




#25
Chloroform
Concen: 4.987 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV007603.D
Acq: 18 Sep 2018 15:06

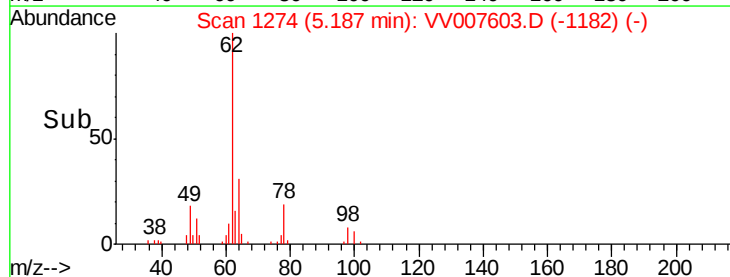
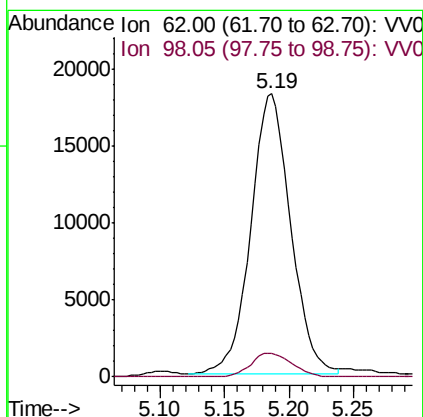
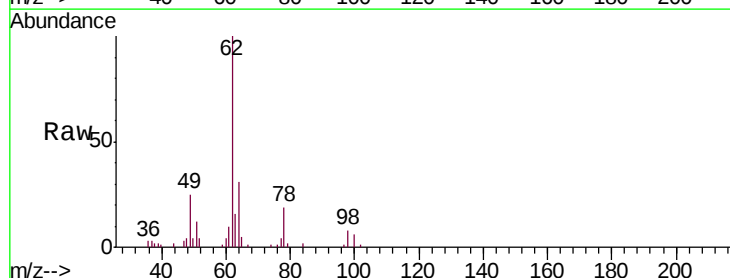
Instrument :
MSVOA_V
ClientSampleId :
BFB75

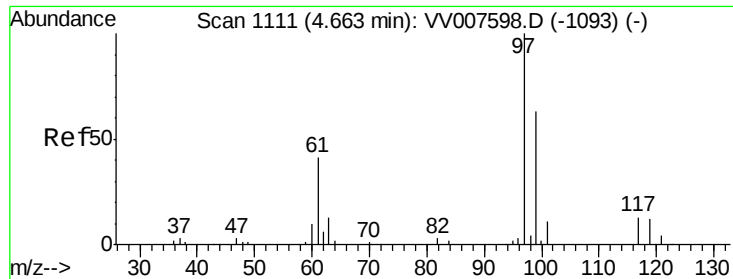
Tgt Ion: 83 Resp: 69570
Ion Ratio Lower Upper
83 100
85 66.7 44.5 82.7



#27
1,2-Dichloroethane
Concen: 4.930 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV007603.D
Acq: 18 Sep 2018 15:06

Tgt Ion: 62 Resp: 39288
Ion Ratio Lower Upper
62 100
98 8.2 7.6 11.4

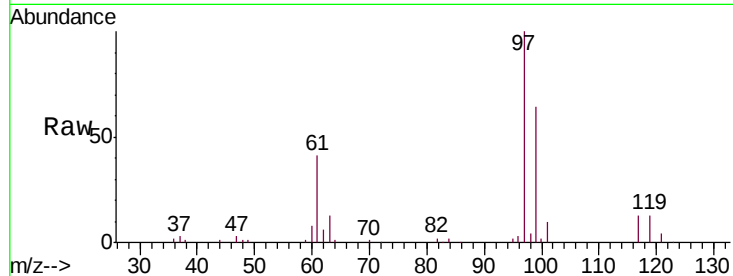




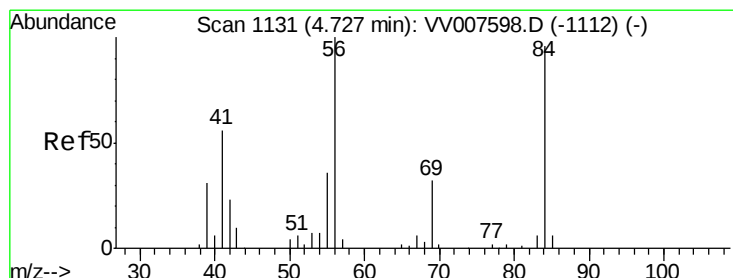
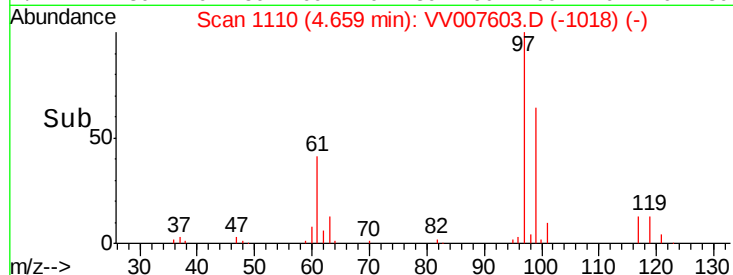
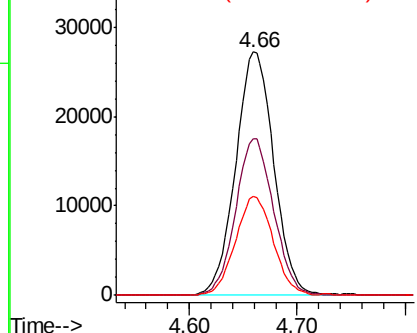
#29
 1,1,1-Trichloroethane
 Concen: 5.107 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV007603.D
 Acq: 18 Sep 2018 15:06

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB75

Tgt Ion: 97 Resp: 67005
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.4 77.0
 61 40.3 32.9 49.3

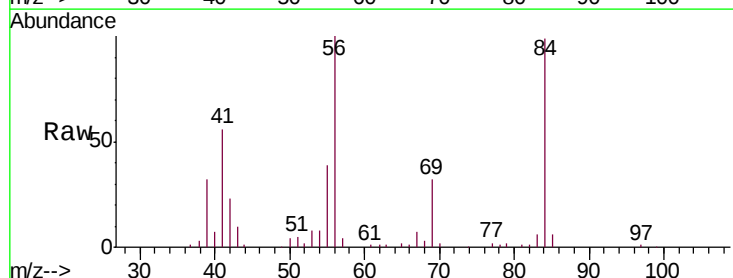


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

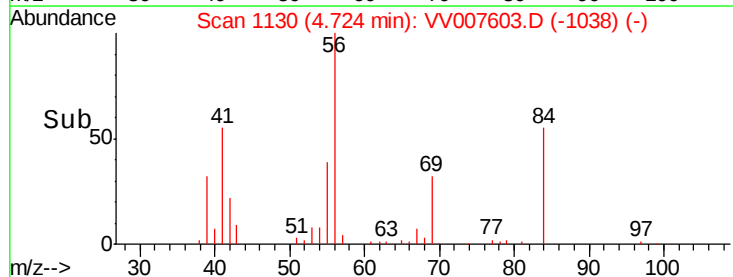
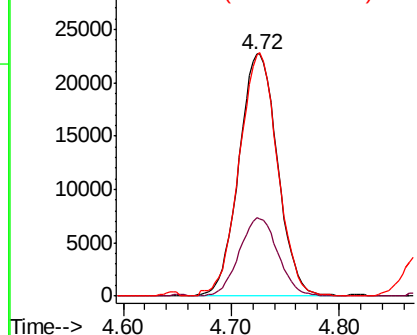


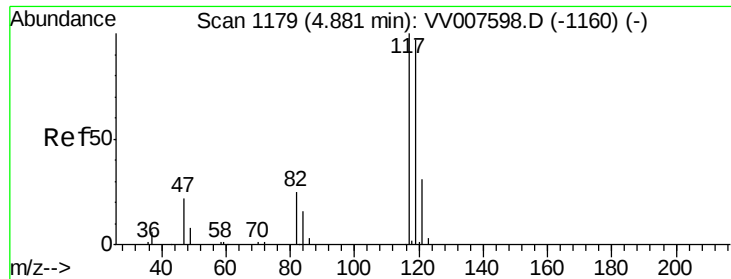
#30
 Cyclohexane
 Concen: 4.957 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV007603.D
 Acq: 18 Sep 2018 15:06

Tgt Ion: 56 Resp: 56620
 Ion Ratio Lower Upper
 56 100
 69 32.3 26.1 39.1
 84 99.4 79.1 118.7



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.097 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV007603.D

Acq: 18 Sep 2018 15:06

Instrument :

MSVOA_V

ClientSampleId :

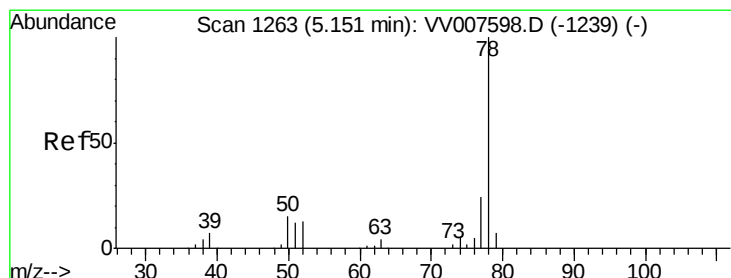
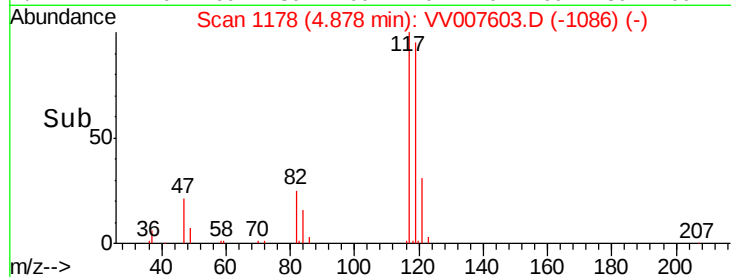
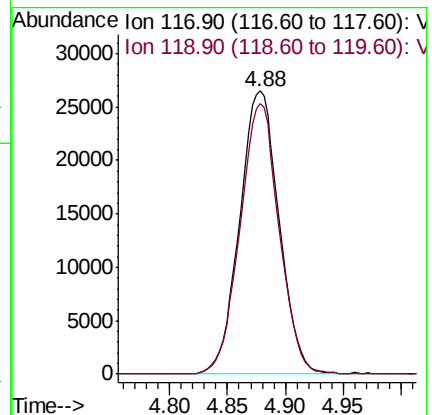
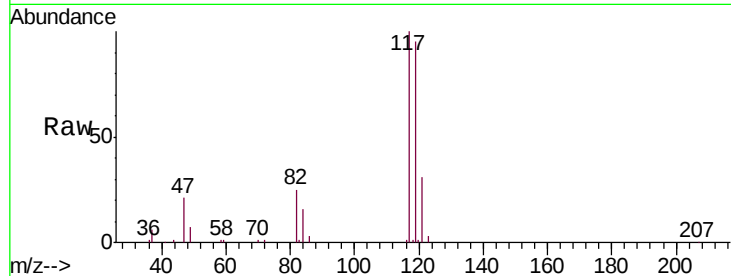
BFB75

Tgt Ion:117 Resp: 62543

Ion Ratio Lower Upper

117 100

119 94.8 77.2 115.8



#33

Benzene

Concen: 5.025 ug/L

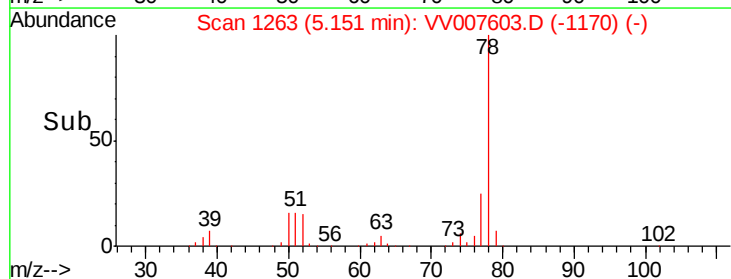
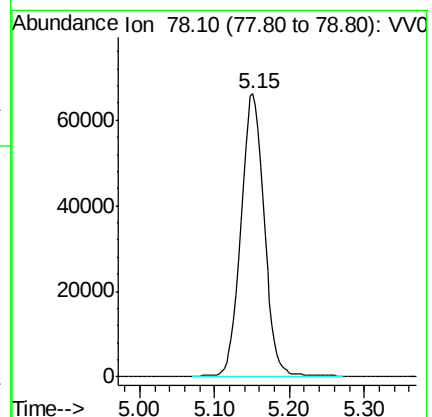
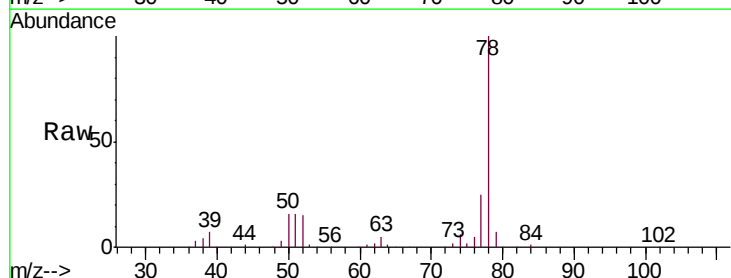
RT: 5.15 min Scan# 1263

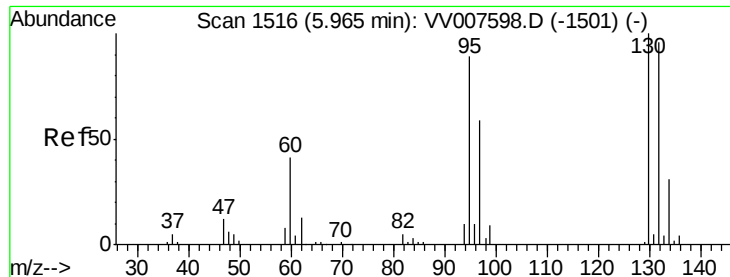
Delta R.T. -0.00 min

Lab File: VV007603.D

Acq: 18 Sep 2018 15:06

Tgt Ion: 78 Resp: 144726

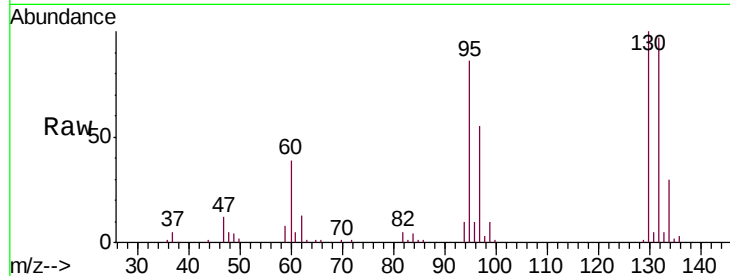




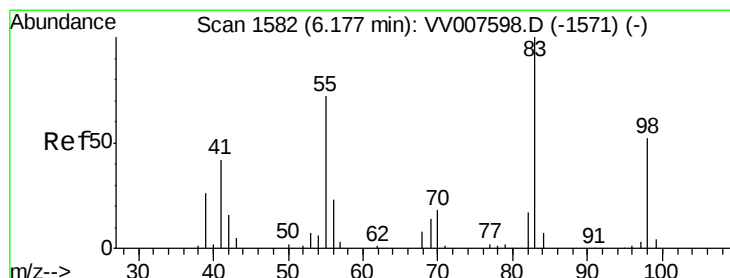
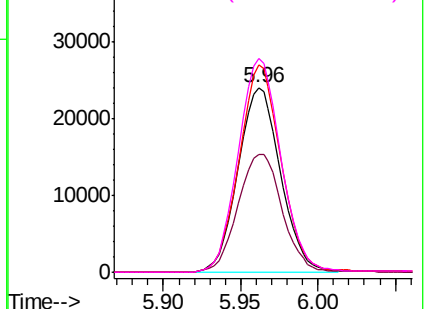
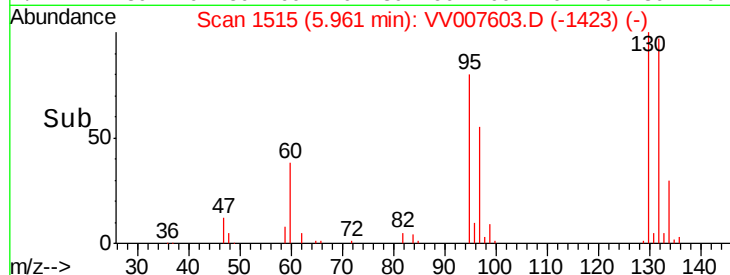
#34
 Trichloroethene
 Concen: 4.779 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. -0.00 min
 Lab File: VV007603.D
 Acq: 18 Sep 2018 15:06

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB75

Tgt Ion: 95 Resp: 45794
 Ion Ratio Lower Upper
 95 100
 97 64.1 46.5 86.5
 132 112.5 75.5 140.3
 130 115.6 78.8 146.4

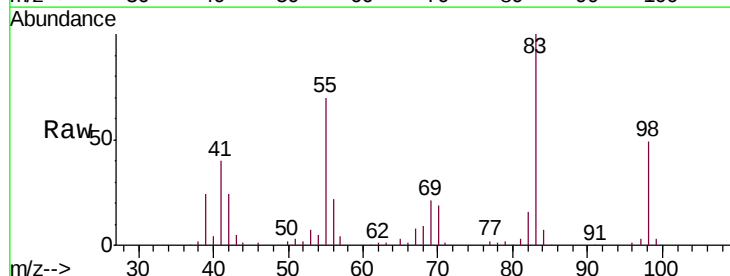


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

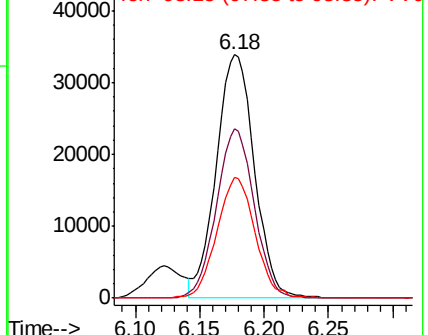
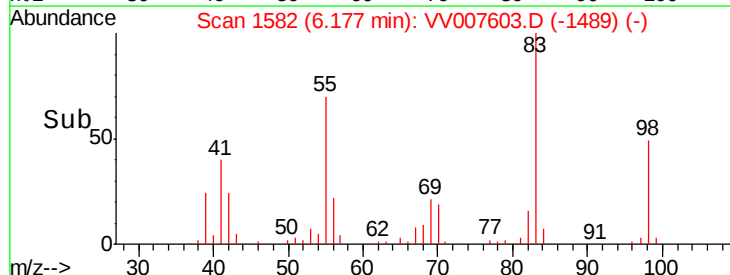


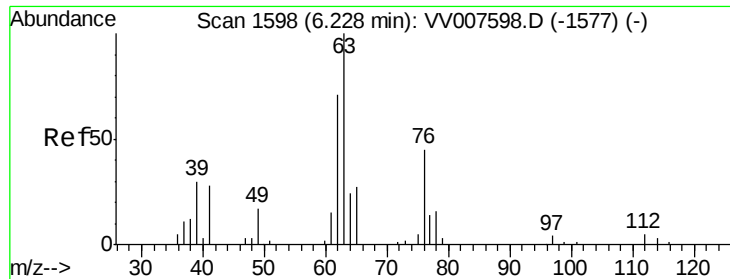
#35
 Methylcyclohexane
 Concen: 5.009 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV007603.D
 Acq: 18 Sep 2018 15:06

Tgt Ion: 83 Resp: 69671
 Ion Ratio Lower Upper
 83 100
 55 69.0 54.6 82.0
 98 49.7 39.8 59.6



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.161 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VV007603.D

Acq: 18 Sep 2018 15:06

Instrument :

MSVOA_V

ClientSampleId :

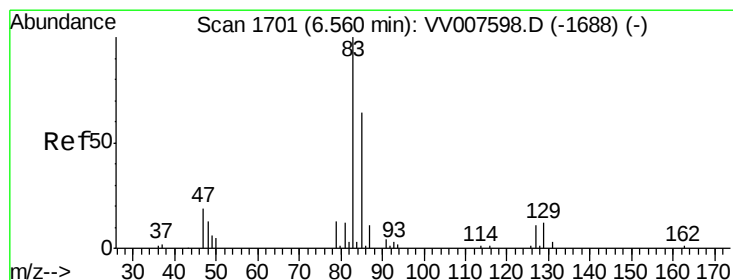
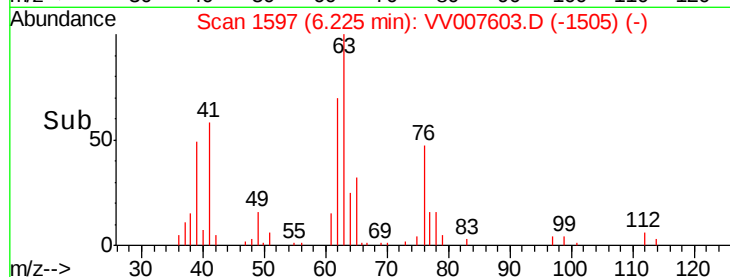
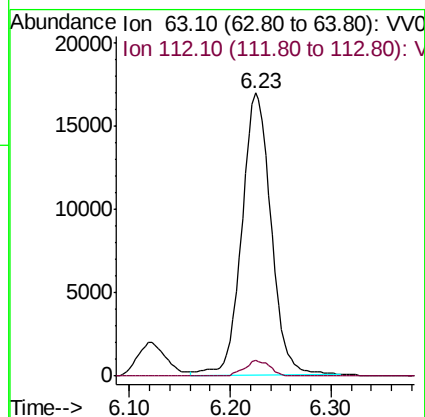
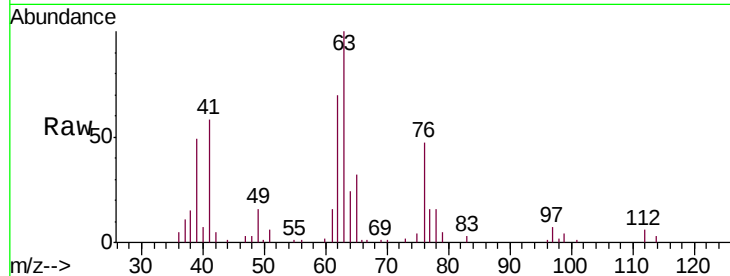
BFB75

Tgt Ion: 63 Resp: 33839

Ion Ratio Lower Upper

63 100

112 4.8 3.8 5.6



#38

Bromodichloromethane

Concen: 5.000 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VV007603.D

Acq: 18 Sep 2018 15:06

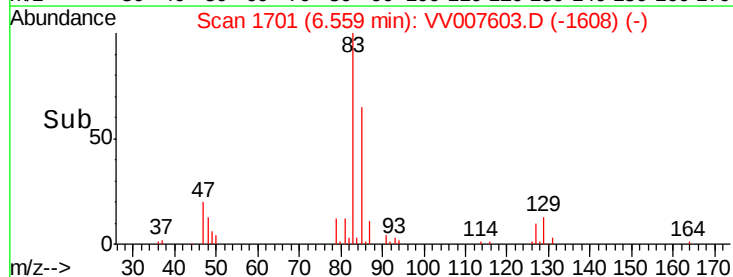
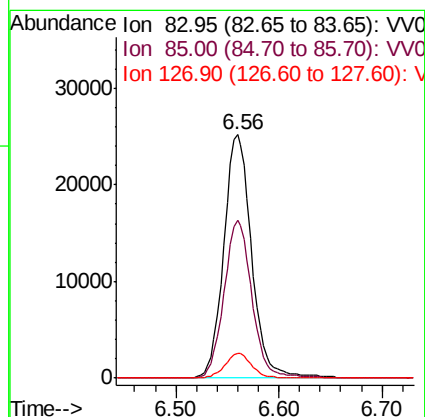
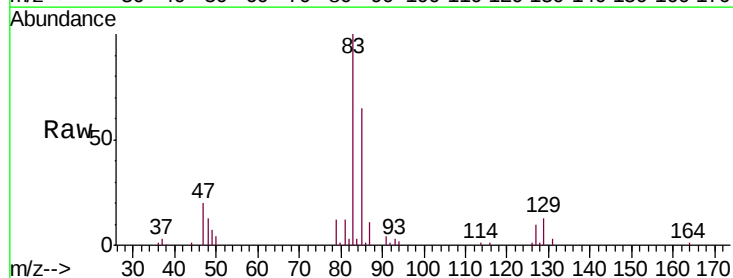
Tgt Ion: 83 Resp: 47434

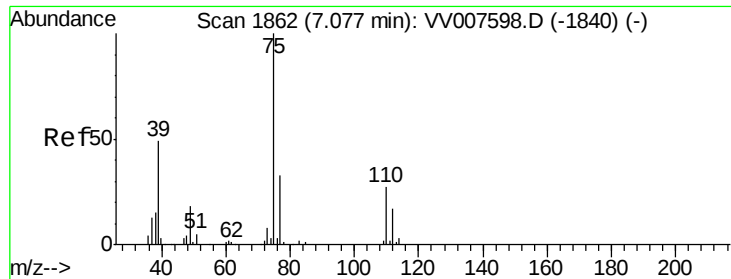
Ion Ratio Lower Upper

83 100

85 64.9 44.7 83.1

127 10.4 8.6 12.8

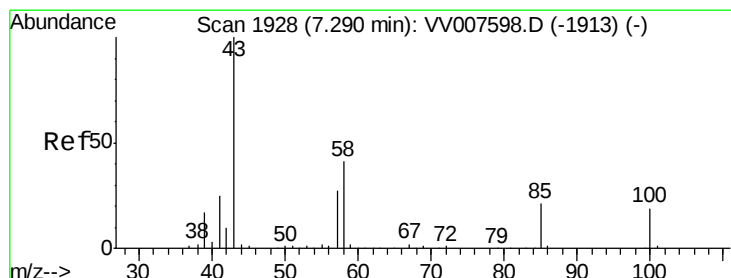
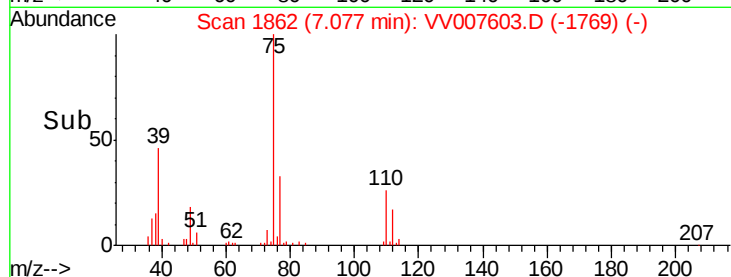
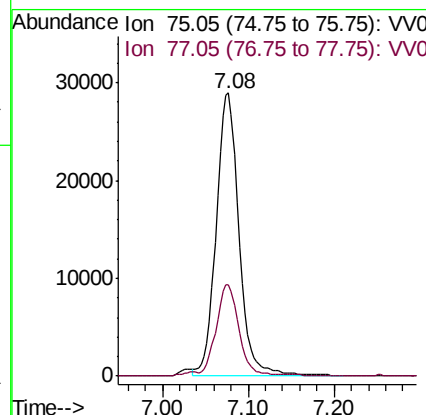
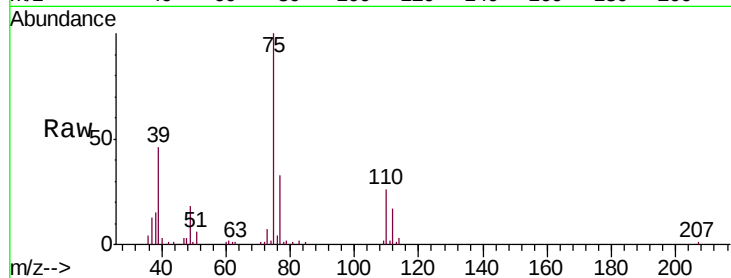




#39
 cis-1,3-Dichloropropene
 Concen: 4.983 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VV007603.D
 Acq: 18 Sep 2018 15:06

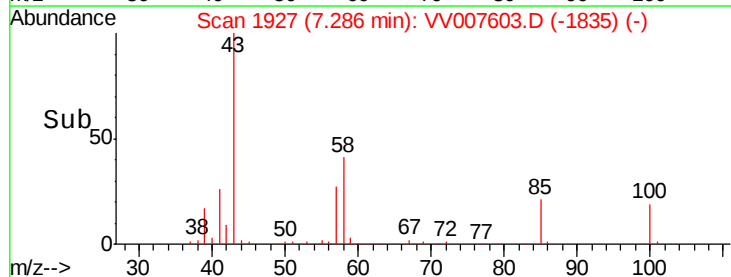
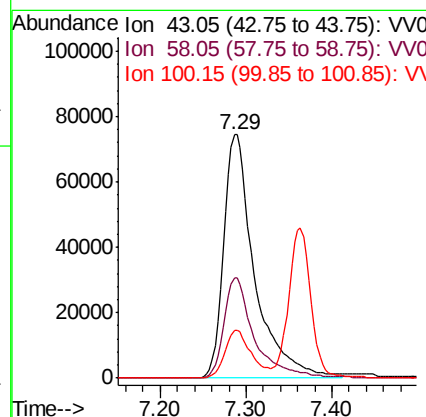
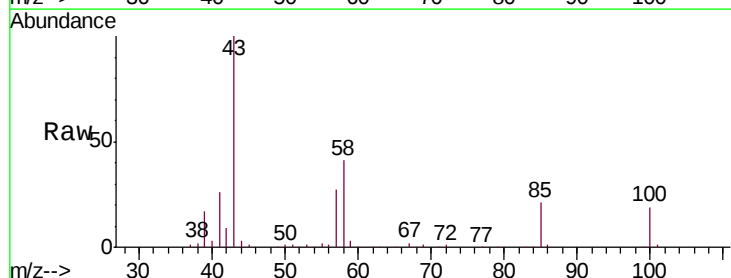
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB75

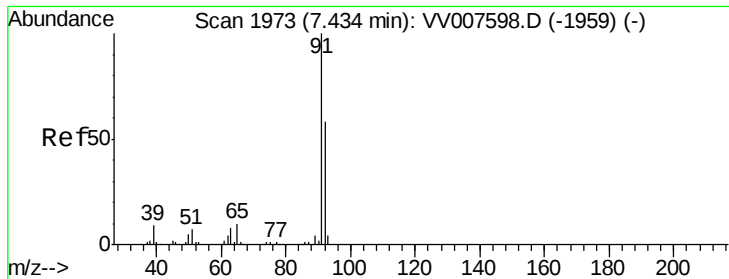
Tgt Ion: 75 Resp: 53963
 Ion Ratio Lower Upper
 75 100
 77 32.5 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 48.577 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. -0.00 min
 Lab File: VV007603.D
 Acq: 18 Sep 2018 15:06

Tgt Ion: 43 Resp: 186499
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.6 49.0
 100 16.8 13.1 19.7





#42

Toluene

Concen: 5.015 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV007603.D

Acq: 18 Sep 2018 15:06

Instrument :

MSVOA_V

ClientSampleId :

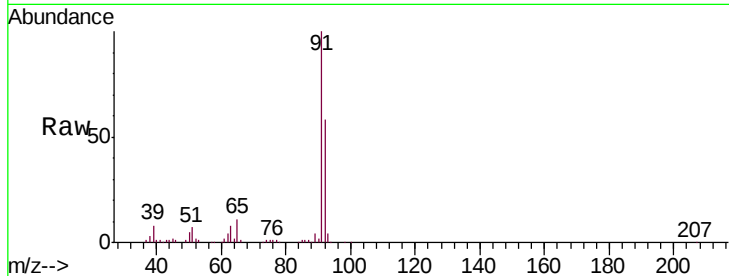
BFB75

Tgt Ion: 91 Resp: 167521

Ion Ratio Lower Upper

91 100

92 58.1 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VV007598.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV007603.D (-1880) (-)

7.43

100000

80000

60000

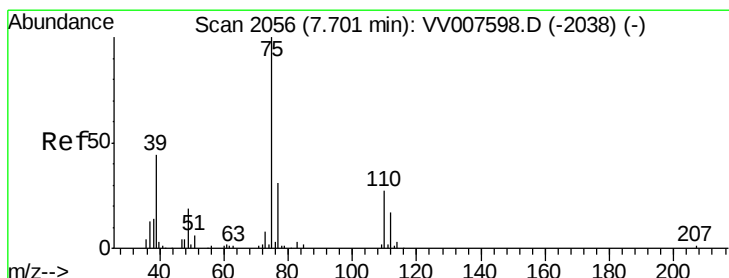
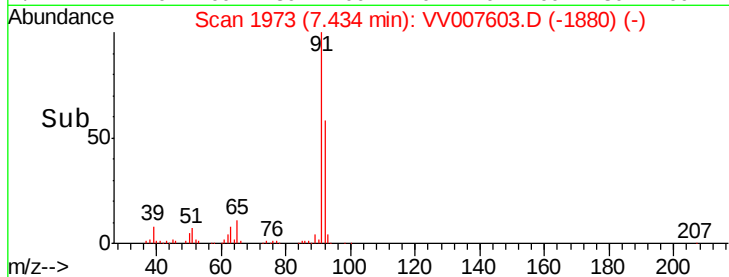
40000

20000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.923 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007603.D

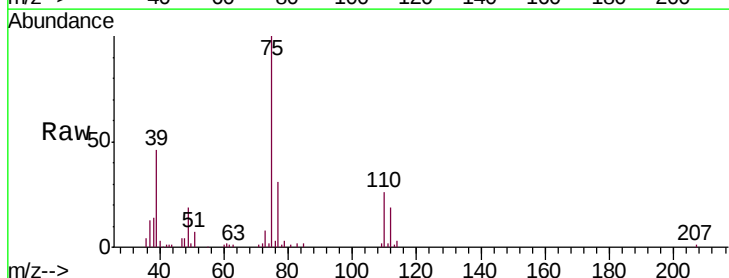
Acq: 18 Sep 2018 15:06

Tgt Ion: 75 Resp: 42708

Ion Ratio Lower Upper

75 100

77 31.2 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV007598.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV007603.D (-1963) (-)

7.70

25000

20000

15000

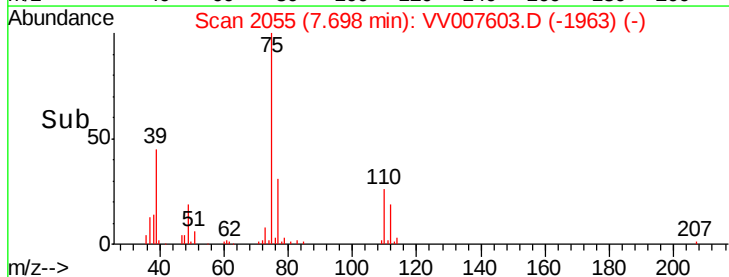
10000

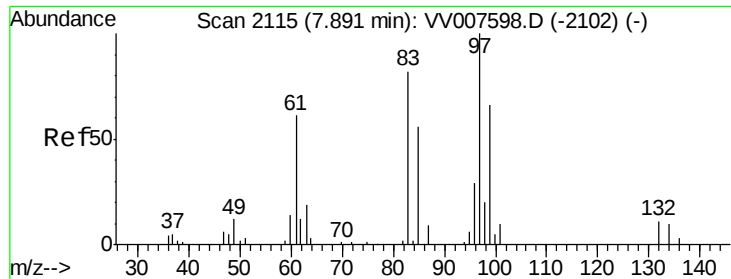
5000

0

7.60 7.70 7.80

Time-->

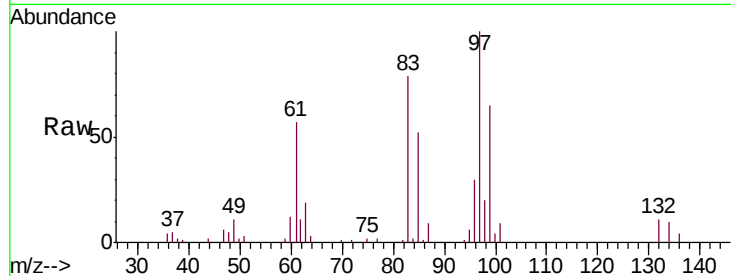




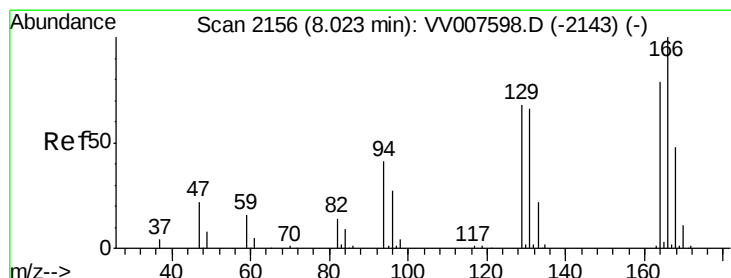
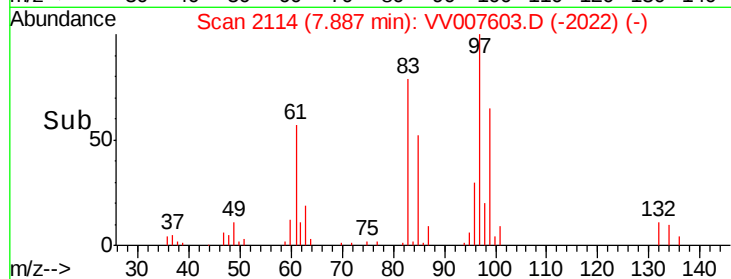
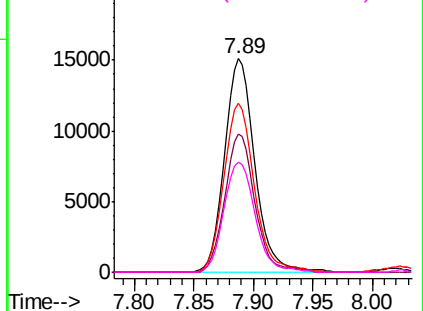
#45
 1,1,2-Trichloroethane
 Concen: 5.001 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV007603.D
 Acq: 18 Sep 2018 15:06

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB75

Tgt Ion:	97	Resp:	26702
Ion	Ratio	Lower	Upper
97	100		
99	64.8	45.9	85.3
83	79.2	57.2	106.2
85	51.7	38.9	72.3

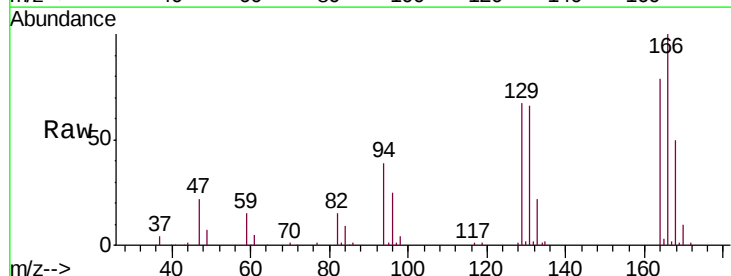


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

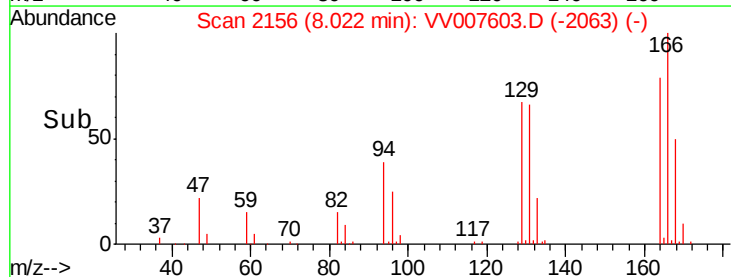
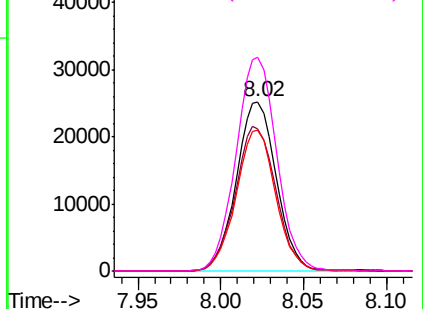


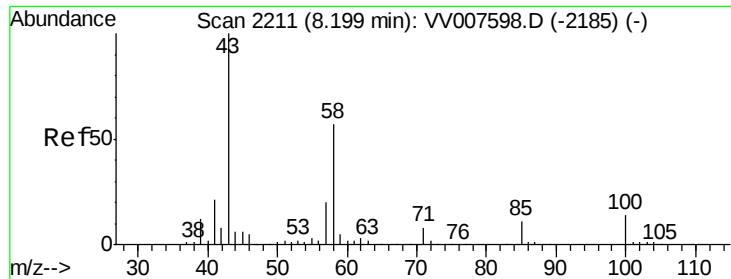
#47
 Tetrachloroethene
 Concen: 4.897 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. -0.00 min
 Lab File: VV007603.D
 Acq: 18 Sep 2018 15:06

Tgt Ion:	164	Resp:	42286
Ion	Ratio	Lower	Upper
164	100		
129	84.3	60.0	111.4
131	83.5	58.8	109.2
166	126.4	88.5	164.4



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

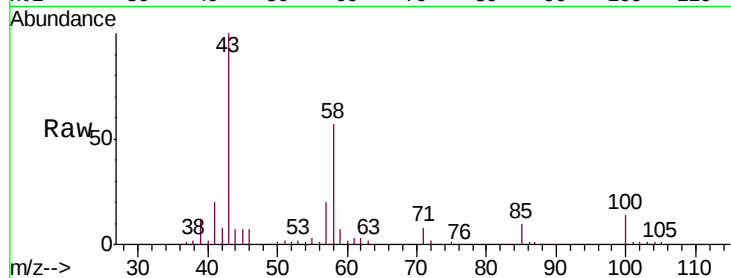




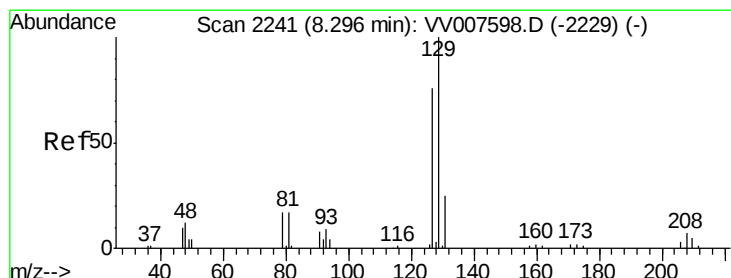
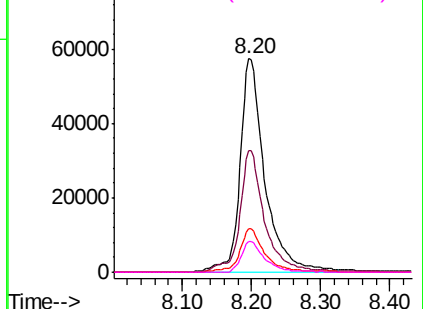
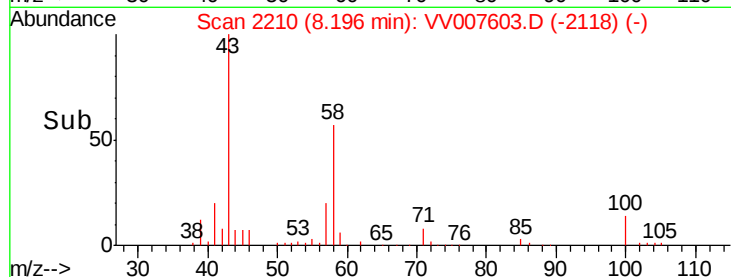
#48
2-Hexanone
Concen: 48.645 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VV007603.D
Acq: 18 Sep 2018 15:06

Instrument :
MSVOA_V
ClientSampleId :
BFB75

Tgt Ion:	43	Resp:	143939
Ion	Ratio	Lower	Upper
43	100		
58	56.3	45.5	68.3
57	20.8	16.3	24.5
100	13.5	10.7	16.1

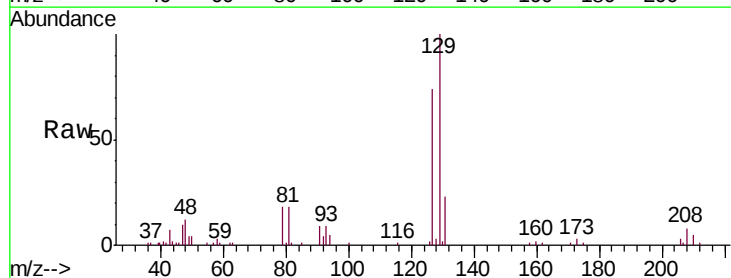


Abundance Ion 43.05 (42.75 to 43.75): VV007603.D (-2118) (-)

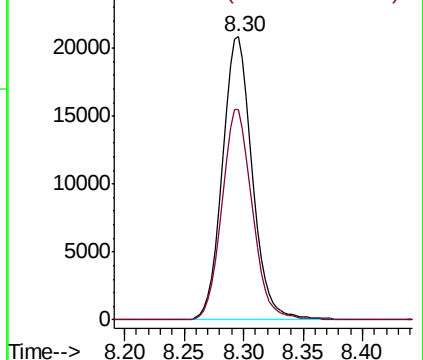
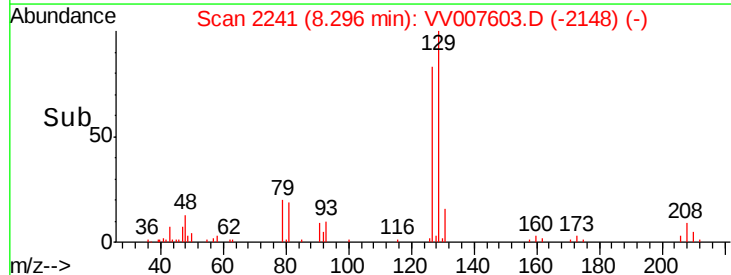


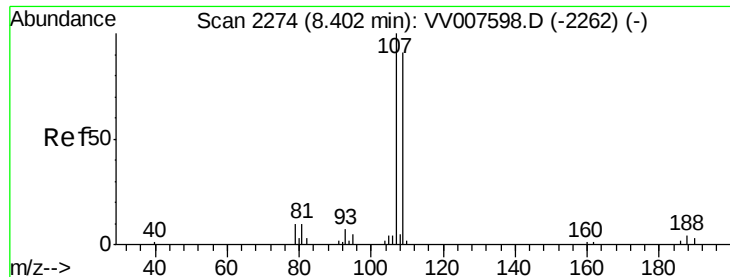
#49
Dibromochloromethane
Concen: 5.130 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV007603.D
Acq: 18 Sep 2018 15:06

Tgt Ion:	129	Resp:	36234
Ion	Ratio	Lower	Upper
129	100		
127	74.4	53.3	98.9



Abundance Ion 128.95 (128.65 to 129.65): VV007603.D (-2148) (-)

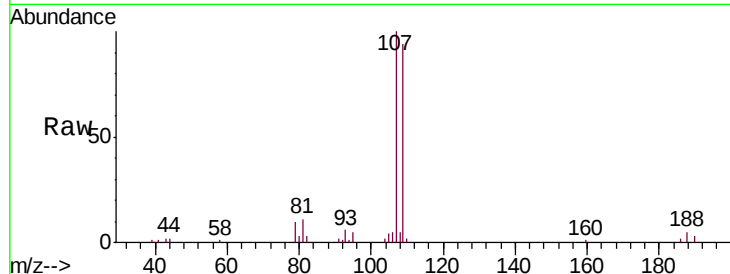




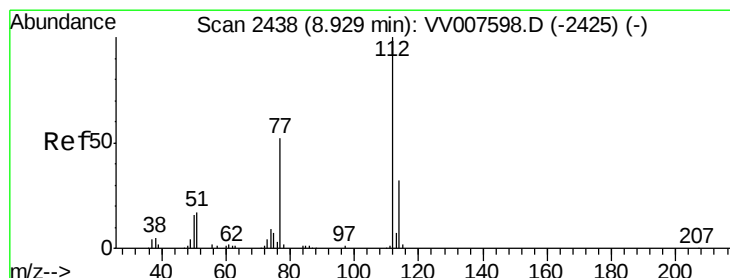
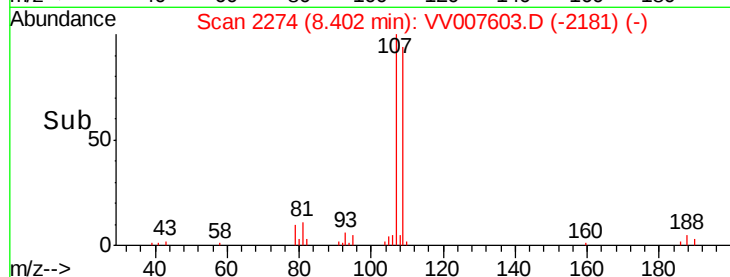
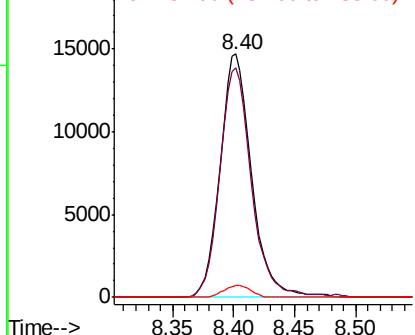
#50
1,2-Dibromoethane
Concen: 5.022 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. -0.00 min
Lab File: VV007603.D
Acq: 18 Sep 2018 15:06

Instrument :
MSVOA_V
ClientSampleId :
BFB75

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.1	63.8	118.6
188	4.7	3.6	5.4

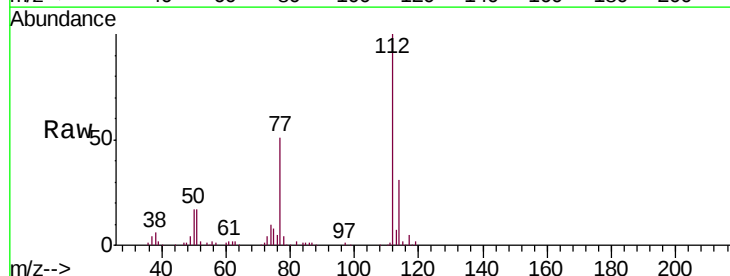


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

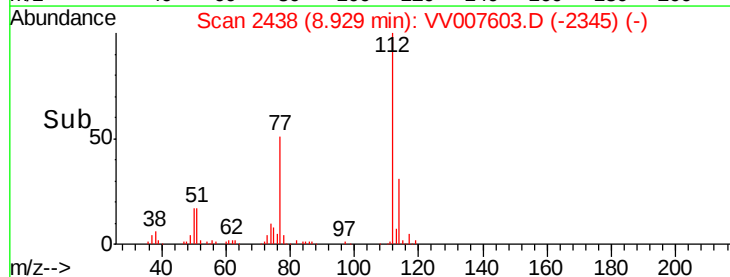
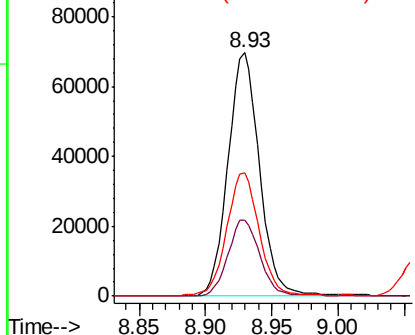


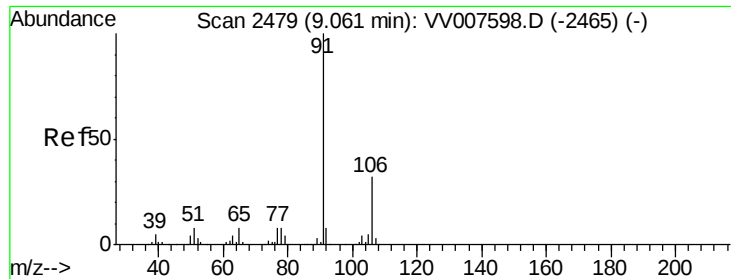
#51
Chlorobenzene
Concen: 4.979 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV007603.D
Acq: 18 Sep 2018 15:06

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.3	41.5
77	50.7	42.0	63.0



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.961 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV007603.D

Acq: 18 Sep 2018 15:06

Instrument :

MSVOA_V

ClientSampleId :

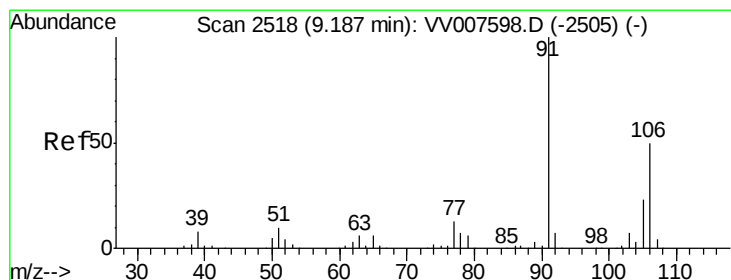
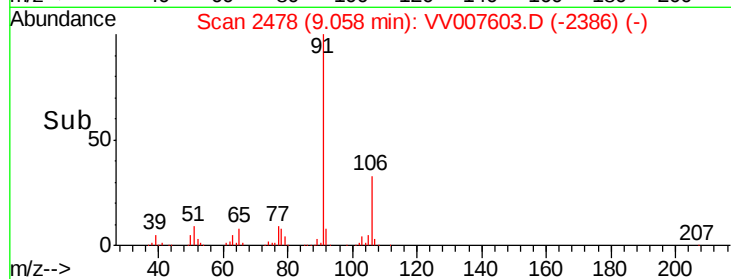
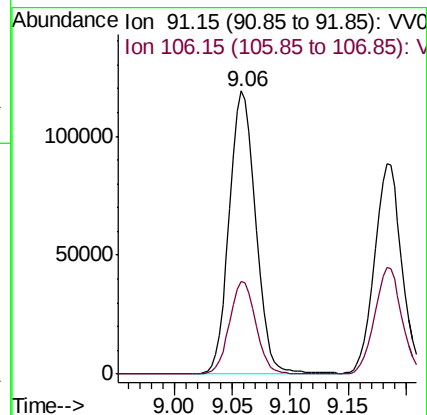
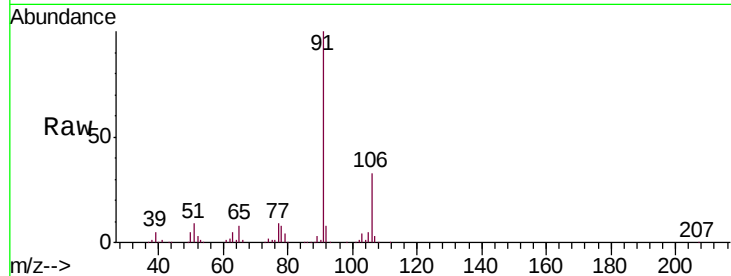
BFB75

Tgt Ion: 91 Resp: 188457

Ion Ratio Lower Upper

91 100

106 32.8 22.5 41.9



#53

m,p-xylene

Concen: 4.908 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV007603.D

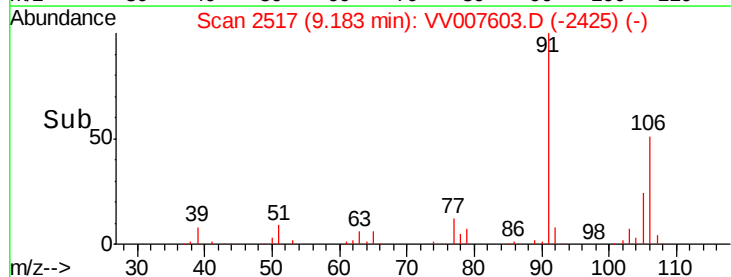
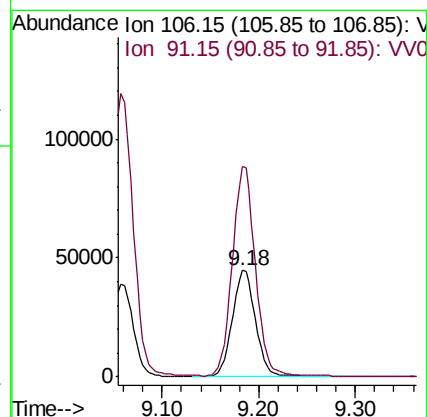
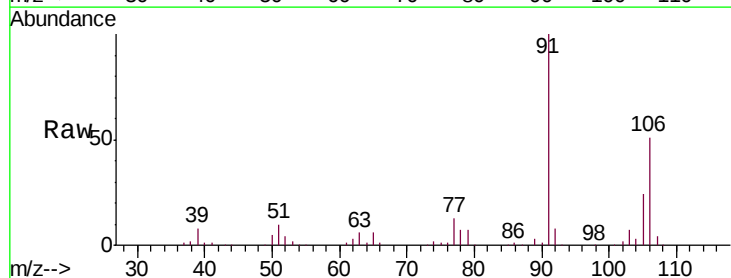
Acq: 18 Sep 2018 15:06

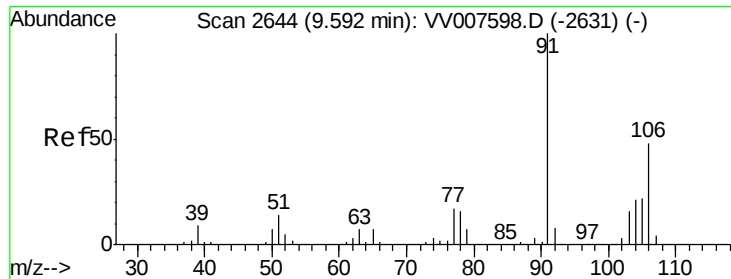
Tgt Ion: 106 Resp: 74981

Ion Ratio Lower Upper

106 100

91 197.0 139.4 258.8

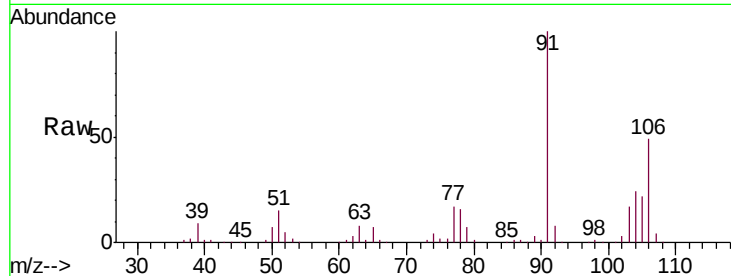




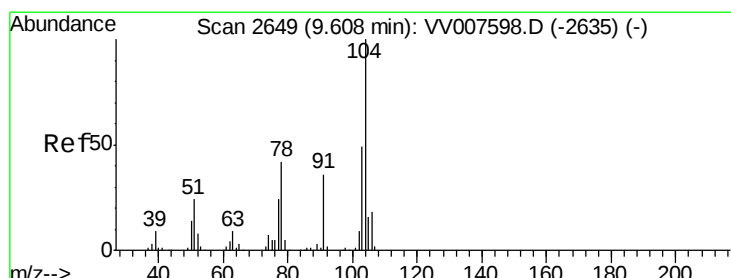
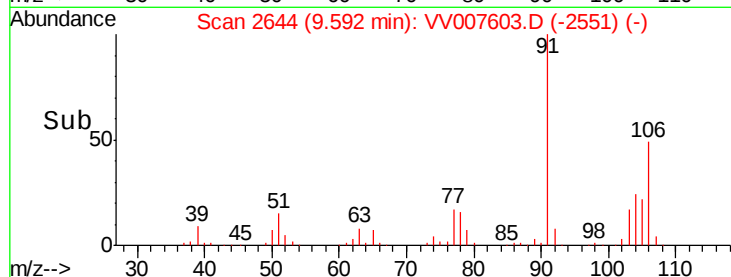
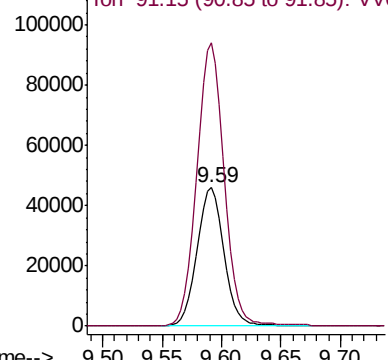
#54
o-xylene
Concen: 5.064 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VV007603.D
Acq: 18 Sep 2018 15:06

Instrument :
MSVOA_V
ClientSampleId :
BFB75

Tgt Ion:106 Resp: 72613
Ion Ratio Lower Upper
106 100
91 204.4 145.9 271.1

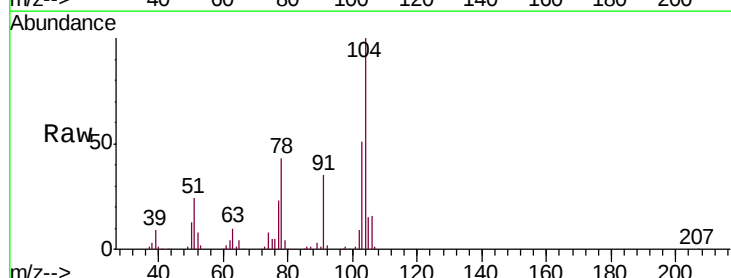


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

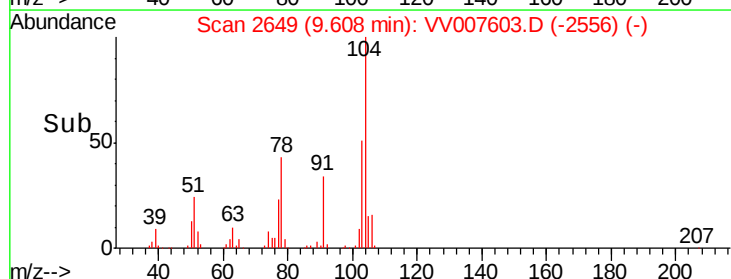
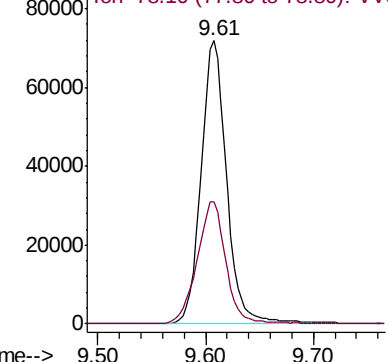


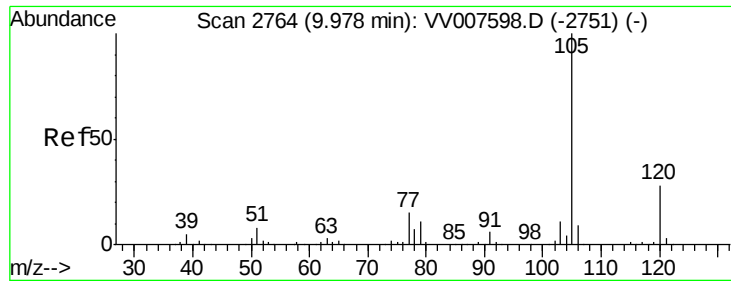
#55
Styrene
Concen: 4.976 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. -0.00 min
Lab File: VV007603.D
Acq: 18 Sep 2018 15:06

Tgt Ion:104 Resp: 118880
Ion Ratio Lower Upper
104 100
78 43.4 29.7 55.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.913 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV007603.D

Acq: 18 Sep 2018 15:06

Instrument :

MSVOA_V

ClientSampleId :

BFB75

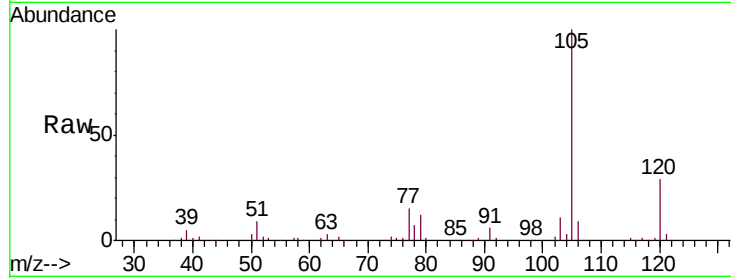
Tgt Ion: 105 Resp: 195495

Ion Ratio Lower Upper

105 100

120 27.4 22.1 33.1

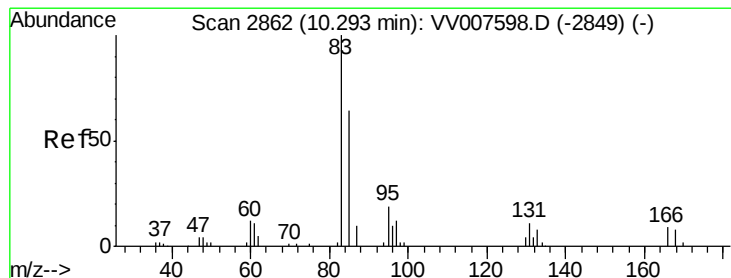
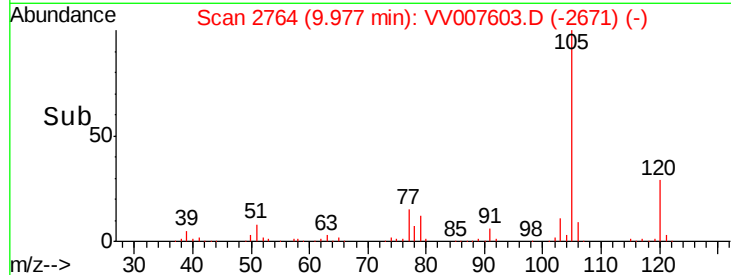
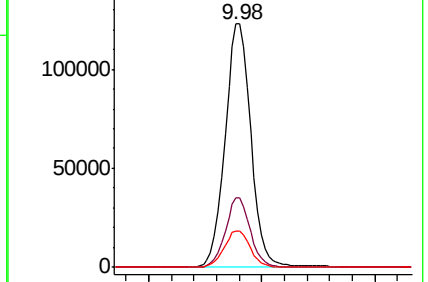
77 15.1 12.0 18.0



Abundance Ion 105.05 (104.75 to 105.75): VV007598.D (-2751) (-)

Ion 120.10 (119.80 to 120.80): VV007598.D (-2751) (-)

Ion 77.10 (76.80 to 77.80): VV007598.D (-2751) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 4.850 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV007603.D

Acq: 18 Sep 2018 15:06

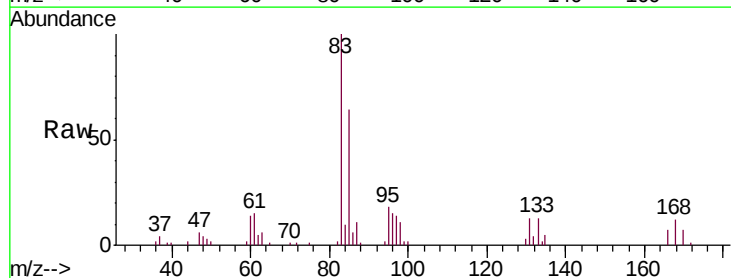
Tgt Ion: 83 Resp: 23484

Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.5

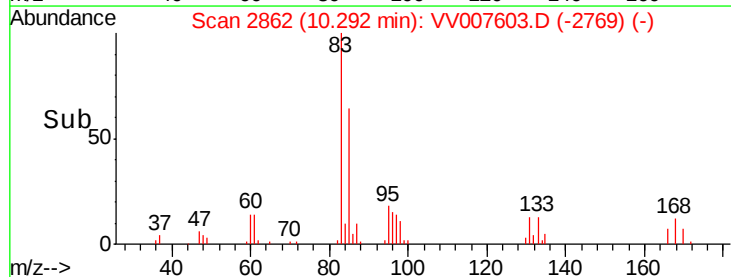
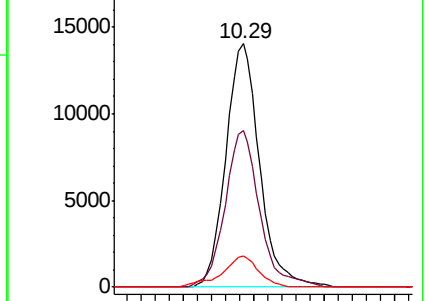
131 12.6 9.0 13.6

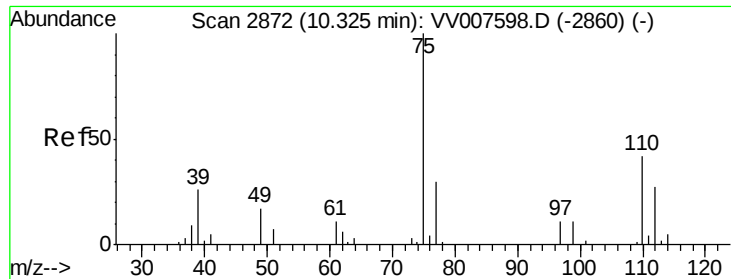


Abundance Ion 82.95 (82.65 to 83.65): VV007598.D (-2849) (-)

Ion 85.00 (84.70 to 85.70): VV007598.D (-2849) (-)

Ion 130.95 (130.65 to 131.65): VV007598.D (-2849) (-)





#59

1,2,3-Trichloropropane

Concen: 4.795 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VV007603.D

Acq: 18 Sep 2018 15:06

Instrument :

MSVOA_V

ClientSampled :

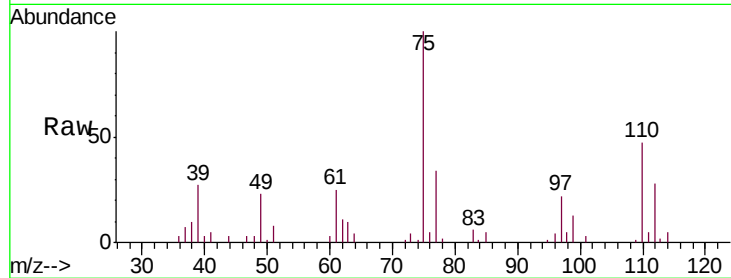
BFB75

Tgt Ion: 75 Resp: 21017

Ion Ratio Lower Upper

75 100

77 32.8 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VV007598.D (-2860) (-)

Ion 77.00 (76.70 to 77.70): VV007598.D (-2860) (-)

10.32

15000

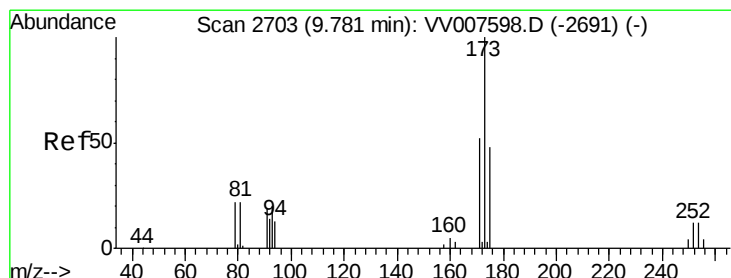
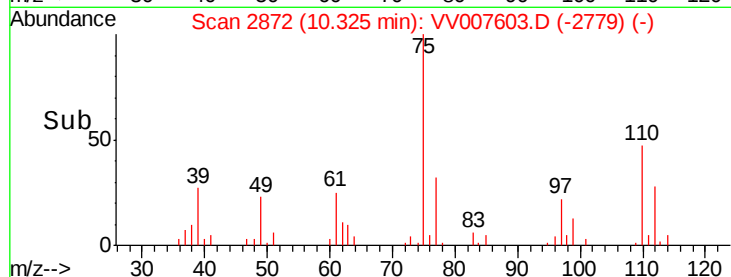
10000

5000

0

Time-->

10.25 10.30 10.35 10.40



#61

Bromoform

Concen: 4.857 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. -0.00 min

Lab File: VV007603.D

Acq: 18 Sep 2018 15:06

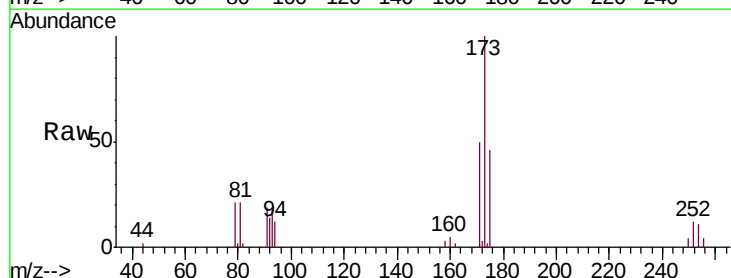
Tgt Ion: 173 Resp: 20519

Ion Ratio Lower Upper

173 100

175 47.1 38.2 57.4

254 11.6 8.9 13.3



Abundance Ion 172.90 (172.60 to 173.60): VV007598.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VV007598.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VV007598.D (-2691) (-)

9.78

15000

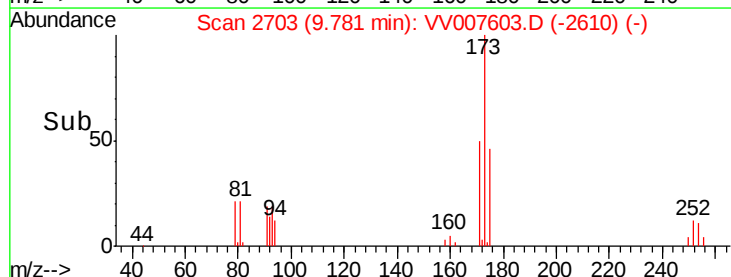
10000

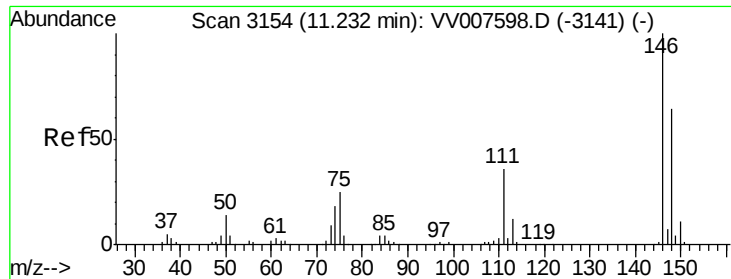
5000

0

Time-->

9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 4.817 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.00 min

Lab File: VV007603.D

Acq: 18 Sep 2018 15:06

Instrument :

MSVOA_V

ClientSampleId :

BFB75

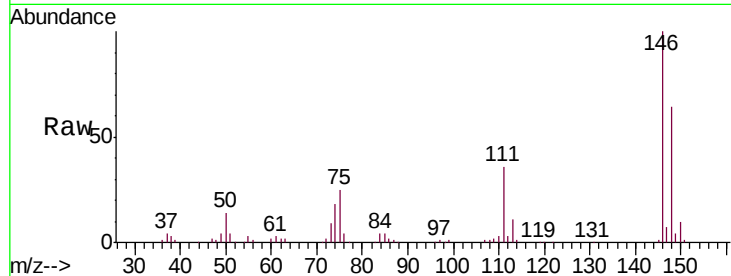
Tgt Ion:146 Resp: 101481

Ion Ratio Lower Upper

146 100

111 35.9 25.0 46.4

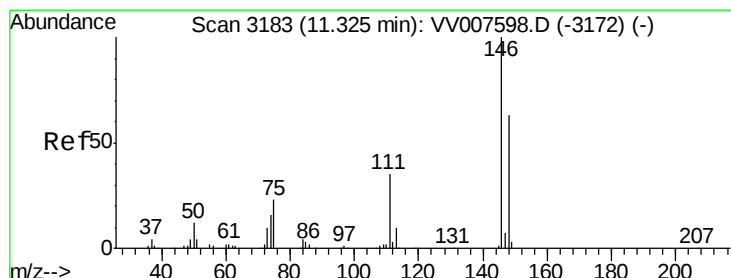
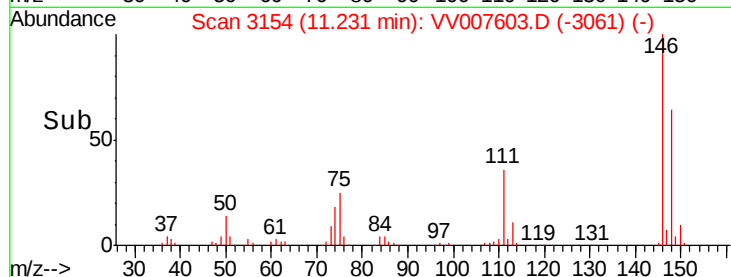
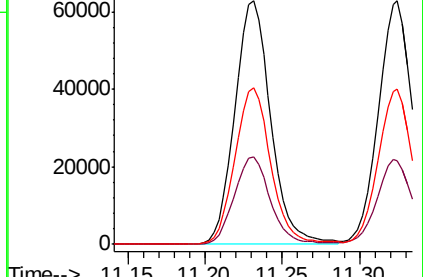
148 64.2 44.6 82.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.835 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VV007603.D

Acq: 18 Sep 2018 15:06

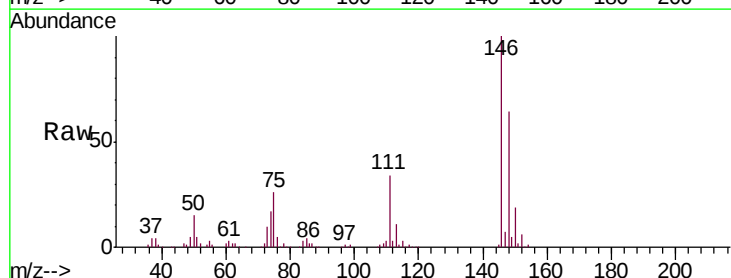
Tgt Ion:146 Resp: 100577

Ion Ratio Lower Upper

146 100

111 34.5 24.5 45.5

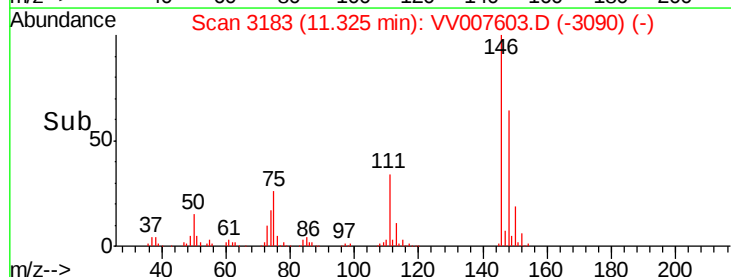
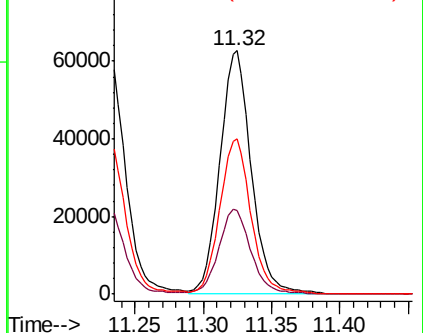
148 63.8 44.0 81.8

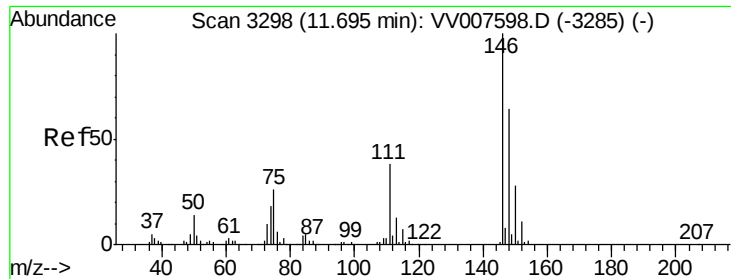


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

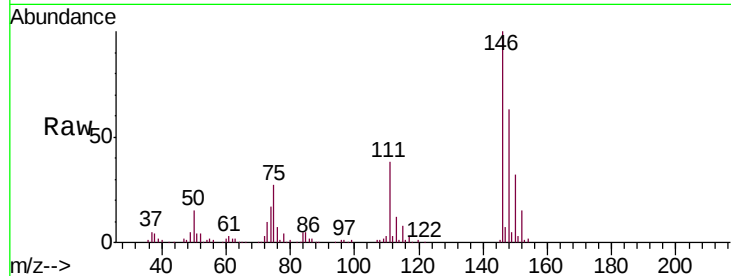




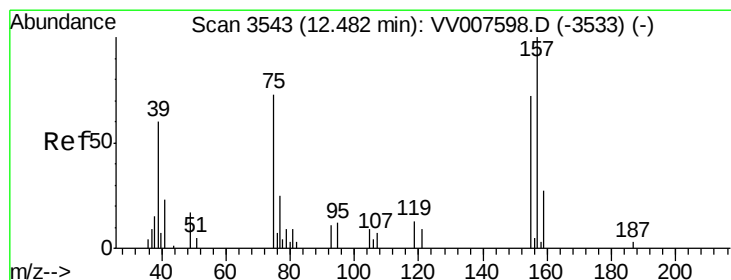
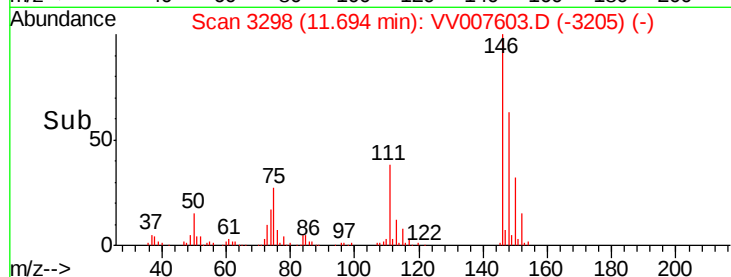
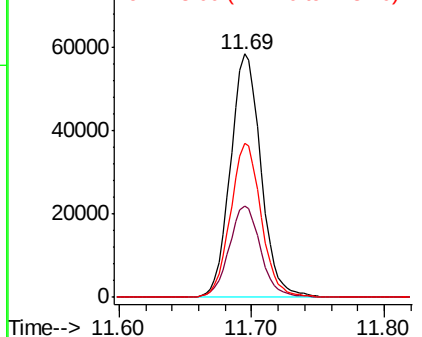
#65
 1,2-Dichlorobenzene
 Concen: 4.837 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV007603.D
 Acq: 18 Sep 2018 15:06

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB75

Tgt Ion: 146 Resp: 93478
 Ion Ratio Lower Upper
 146 100
 111 37.6 30.6 46.0
 148 63.2 51.3 76.9

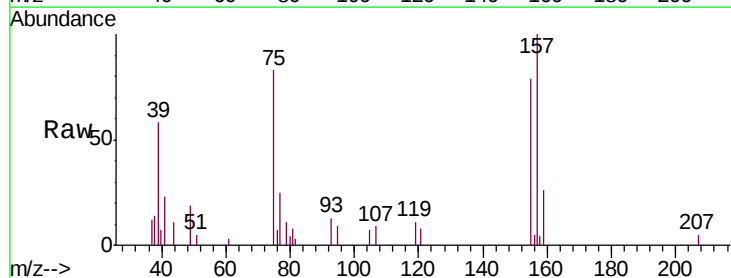


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

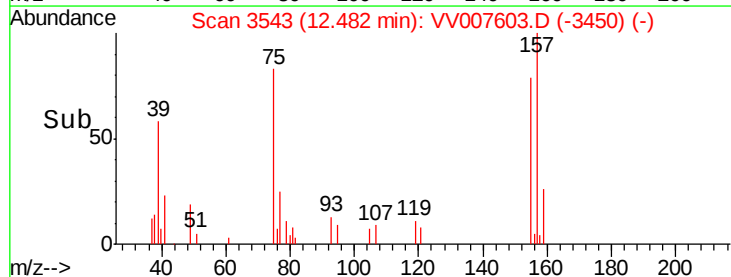
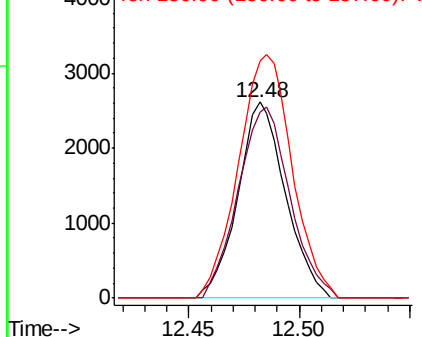


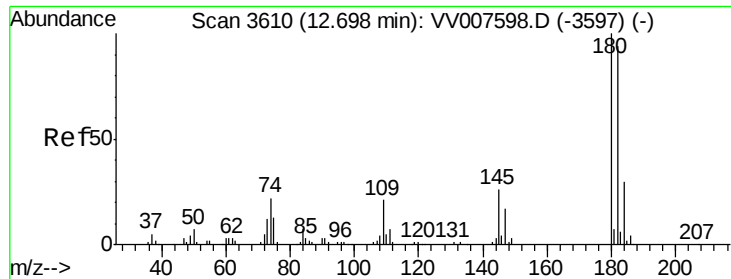
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.798 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VV007603.D
 Acq: 18 Sep 2018 15:06

Tgt Ion: 75 Resp: 3917
 Ion Ratio Lower Upper
 75 100
 155 95.1 79.1 118.7
 157 121.0 109.8 164.6



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

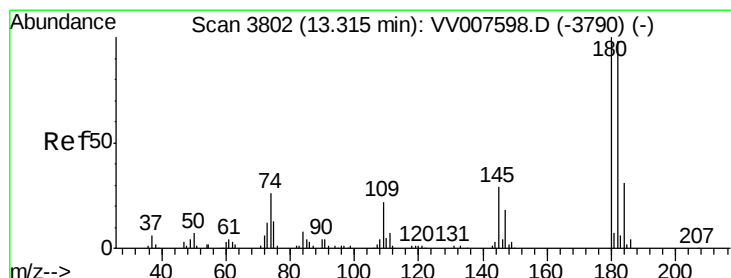
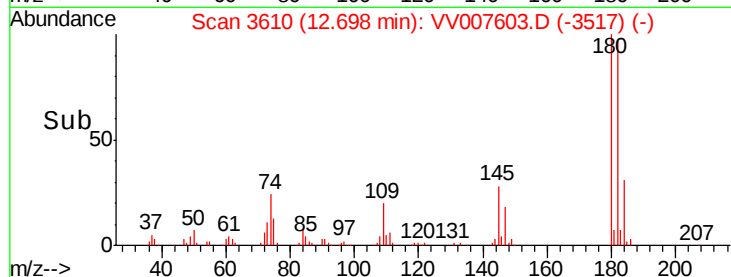
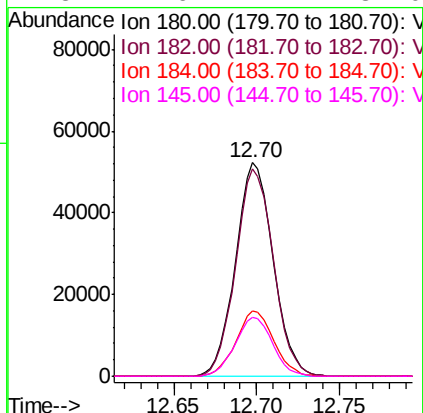
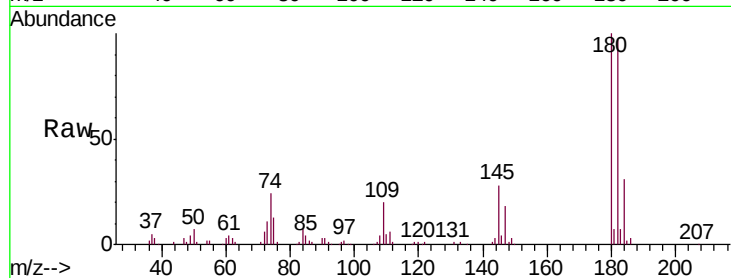




#67
 1,3,5-Trichlorobenzene
 Concen: 4.957 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV007603.D
 Acq: 18 Sep 2018 15:06

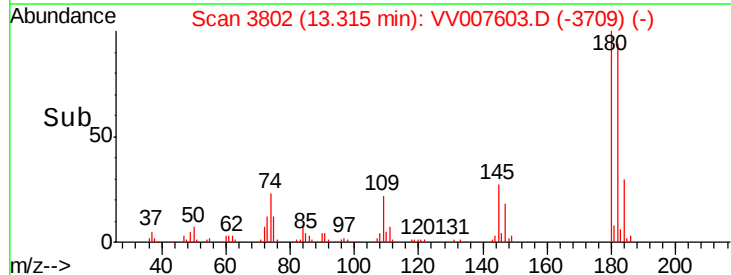
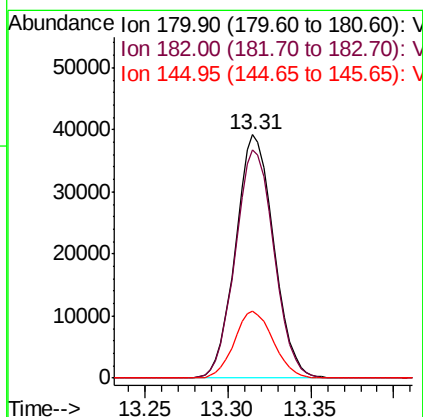
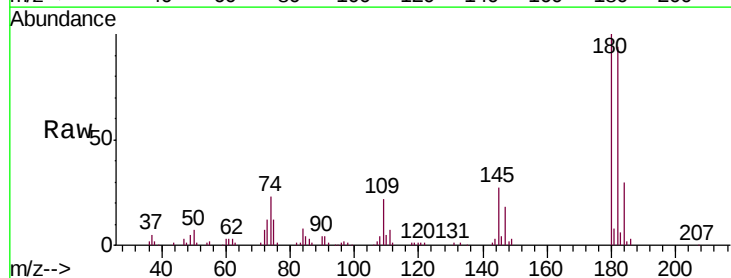
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB75

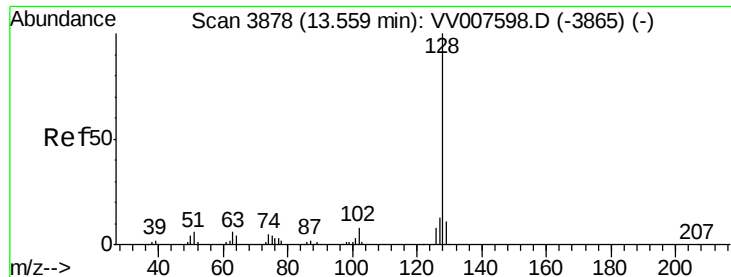
Tgt Ion:	180	Resp:	82487
Ion	Ratio	Lower	Upper
180	100		
182	97.3	75.4	113.2
184	30.6	24.6	36.8
145	27.6	21.4	32.0



#68
 1,2,4-trichlorobenzene
 Concen: 5.374 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007603.D
 Acq: 18 Sep 2018 15:06

Tgt Ion:	180	Resp:	62761
Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.9	116.9
145	27.7	23.1	34.7





#69

Naphthalene

Concen: 5.184 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VV007603.D

Acq: 18 Sep 2018 15:06

Instrument :

MSVOA_V

ClientSampleId :

BFB75

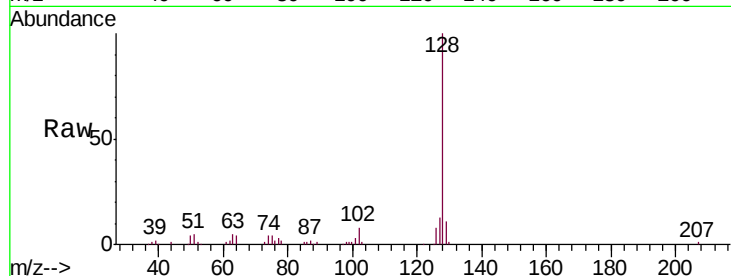
Tgt Ion:128 Resp: 70703

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

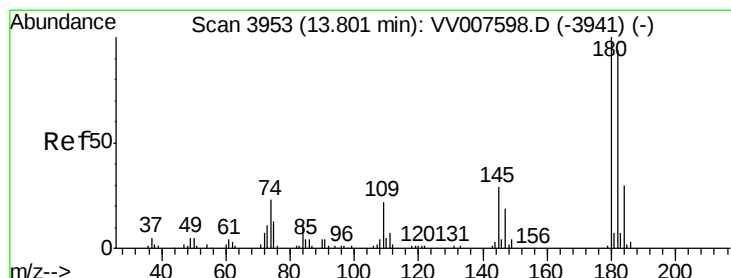
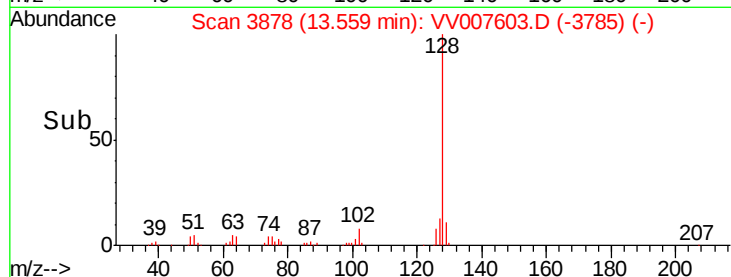
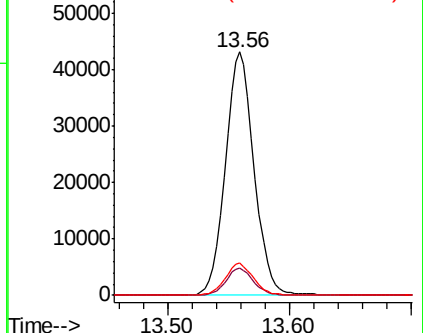
127 13.0 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.308 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. -0.00 min

Lab File: VV007603.D

Acq: 18 Sep 2018 15:06

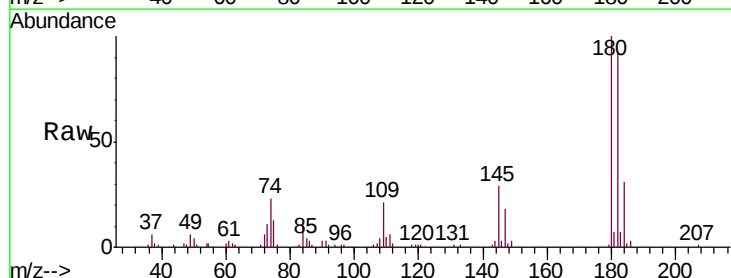
Tgt Ion:180 Resp: 56964

Ion Ratio Lower Upper

180 100

182 92.9 75.1 112.7

145 28.8 23.6 35.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

