

Data File : VV008864.D
Acq On : 06 Dec 2018 18:53
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB57

Quant Time: Dec 07 01:36:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 01:18:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	184732	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	165665	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	77440	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49931	26.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.48%
7) Chloroethane-d5	1.58	69	37451	26.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.08%
10) 1,1-Dichloroethene-d2	2.13	63	135456	28.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	113.36%#
20) 2-Butanone-d5	3.94	46	42725	61.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.78%
24) Chloroform-d	4.40	84	116799	26.30	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	5.08	65	65951	27.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.84%
29) Benzene-d6	5.10	84	233489	25.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.92%
33) 1,2-Dichloropropane-d6	6.12	67	65884	25.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.72%
37) Toluene-d8	7.36	98	218650	25.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.16%
38) trans-1,3-Dichloropropene-	7.66	79	30407	26.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.88%
39) 2-Hexanone-d5	8.13	63	27563	58.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.16%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	62837	28.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	73170	25.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.72%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	70325	23.223 ug/L	98
3) Chloromethane	1.25	50	50463	24.251 ug/L	100
5) Vinyl chloride	1.32	62	56852	24.474 ug/L	99
6) Bromomethane	1.53	94	31827	28.497 ug/L	98
8) Chloroethane	1.60	64	32974	25.344 ug/L	99
9) Trichlorofluoromethane	1.77	101	117178	29.450 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	74000	27.117 ug/L	99
12) 1,1-Dichloroethene	2.14	96	65419	27.472 ug/L	98
13) Acetone	2.19	43	64467	62.868 ug/L	100
14) Carbon disulfide	2.32	76	194009	25.372 ug/L	100
15) Methyl Acetate	2.46	43	37657	28.960 ug/L	96
16) Methylene chloride	2.53	84	73033	23.477 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	152379	28.166 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	68167	26.491 ug/L	97
19) 1,1-Dichloroethane	3.23	63	109633	26.282 ug/L	98
21) 2-Butanone	4.02	43	60421	62.867 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	71187	26.532 ug/L	96

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Quant Title : VOC Analysis
QLast Update : Fri Dec 07 01:18:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	33511	26.500	ug/L	94
25) Chloroform	4.43	83	119104	26.605	ug/L	98
27) 1,2-Dichloroethane	5.18	62	82378	27.013	ug/L	99
30) Cyclohexane	4.73	56	103714	24.862	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	108228	25.339	ug/L	99
32) Carbon tetrachloride	4.88	117	97336	24.962	ug/L	99
34) Benzene	5.15	78	252646	25.454	ug/L	100
35) Trichloroethene	5.96	95	75645	25.280	ug/L	99
36) Methylcyclohexane	6.18	83	121729	25.507	ug/L	100
40) 1,2-Dichloropropane	6.22	63	60930	25.578	ug/L	98
41) Bromodichloromethane	6.56	83	80902	25.768	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	95573	27.404	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	92513	57.459	ug/L	98
44) Toluene	7.43	91	270982	26.033	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	82370	27.093	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	54329	27.372	ug/L	98
47) Tetrachloroethene	8.02	164	60555	24.884	ug/L	98
49) 2-Hexanone	8.19	43	73029	54.825	ug/L	96
50) Dibromochloromethane	8.29	129	62734	27.573	ug/L	99
51) 1,2-Dibromoethane	8.40	107	55244	27.716	ug/L	100
52) Chlorobenzene	8.93	112	176902	26.100	ug/L	99
53) Ethylbenzene	9.06	91	292455	25.899	ug/L	98
54) m,p-Xylene	9.18	106	113694	26.591	ug/L	97
55) o-xylene	9.59	106	105359	26.521	ug/L	96
56) Styrene	9.60	104	176748	27.580	ug/L	96
57) Isopropylbenzene	9.98	105	290540	26.909	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	62945	29.335	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	53627	28.884	ug/L	99
62) Bromoform	9.78	173	37186	26.596	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	133269	26.707	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	133800	26.056	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	123766	26.904	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	10567	28.037	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	92452	25.651	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	68405	27.086	ug/L	97
69) Naphthalene	13.55	128	118438	27.228	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	64525	27.658	ug/L	100

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

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MSVOA_V
ClientSampleId :
BFB57

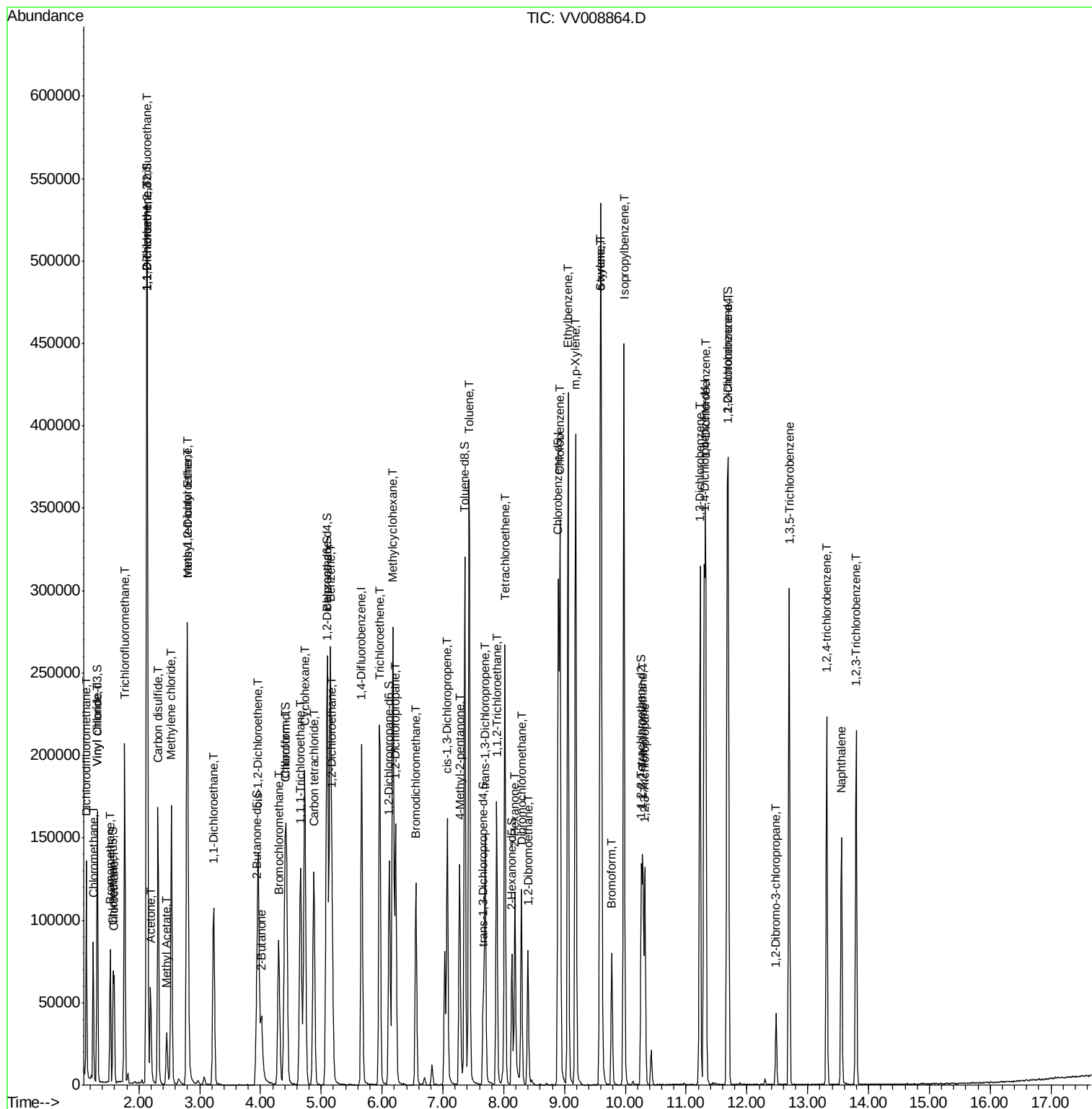
Quant Time: Dec 07 01:36:03 2018

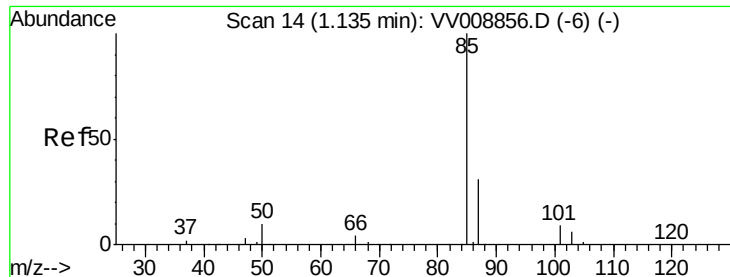
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM120618S.M

Quant Title : VOC Analysis

QLast Update : Fri Dec 07 01:18:09 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 23.223 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

Instrument :

MSVOA_V

ClientSampleId :

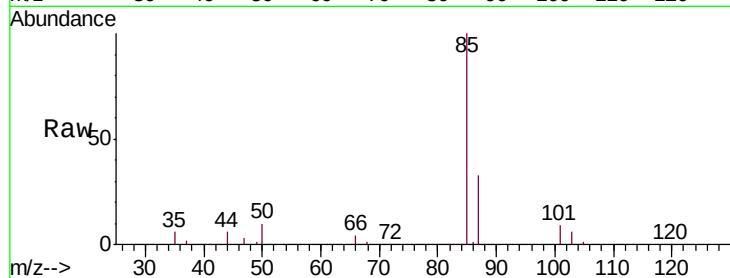
BFB57

Tgt Ion: 85 Resp: 70325

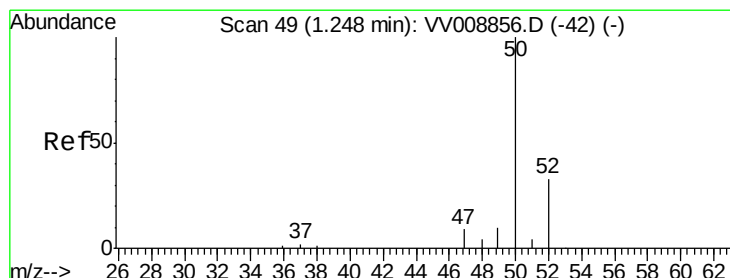
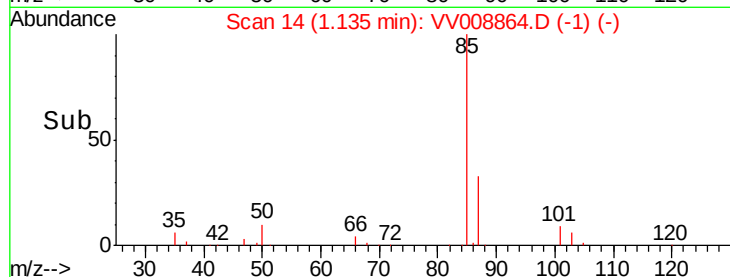
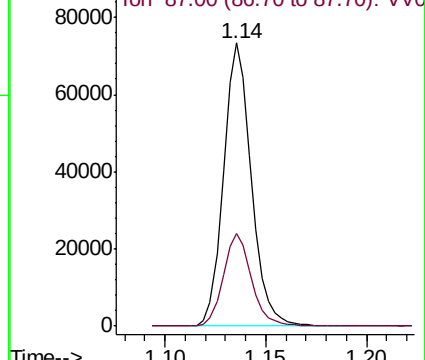
Ion Ratio Lower Upper

85 100

87 33.1 22.4 41.6



Abundance Ion 85.00 (84.70 to 85.70): VV008856.D (-6) (-)



#3

Chloromethane

Concen: 24.251 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV008864.D

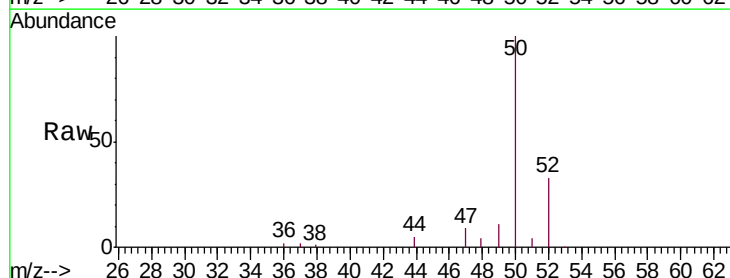
Acq: 06 Dec 2018 18:53

Tgt Ion: 50 Resp: 50463

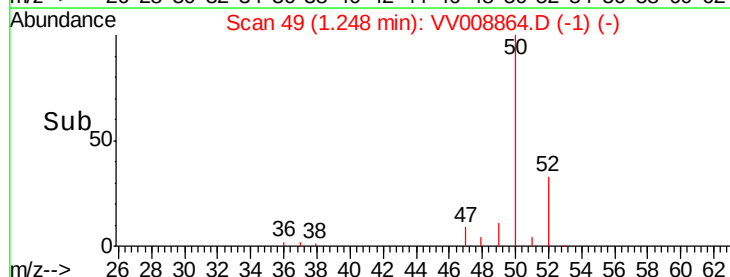
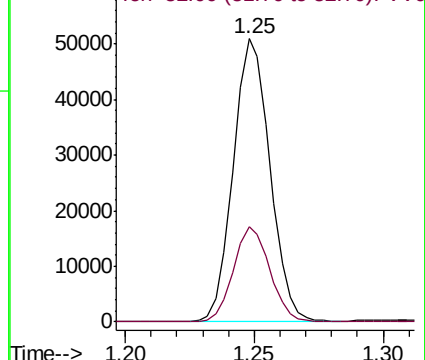
Ion Ratio Lower Upper

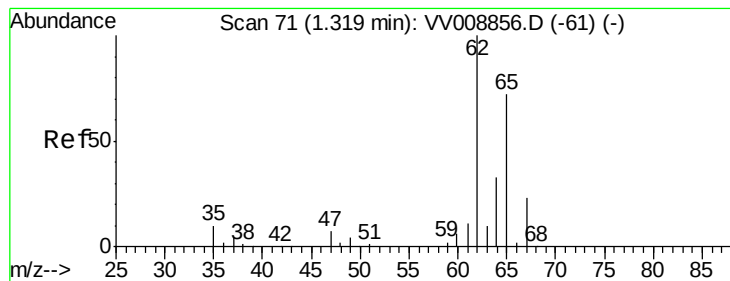
50 100

52 33.4 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV008856.D (-42) (-)





#5

Vinyl chloride

Concen: 24.474 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

Instrument :

MSVOA_V

ClientSampleId :

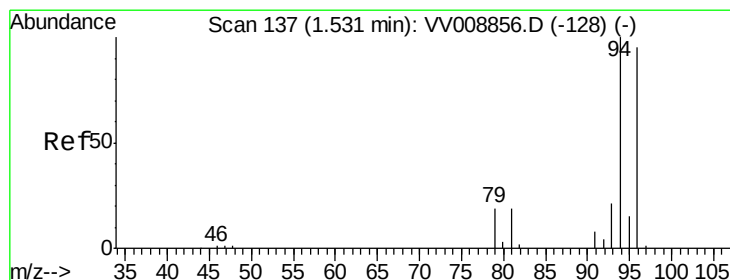
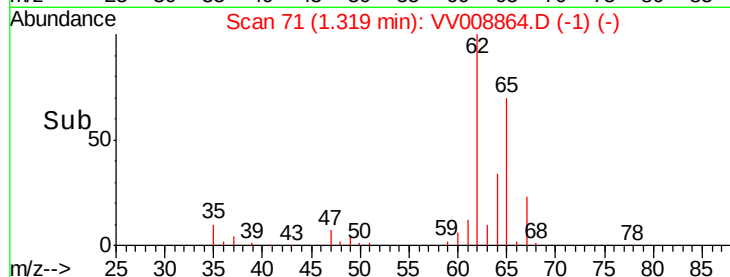
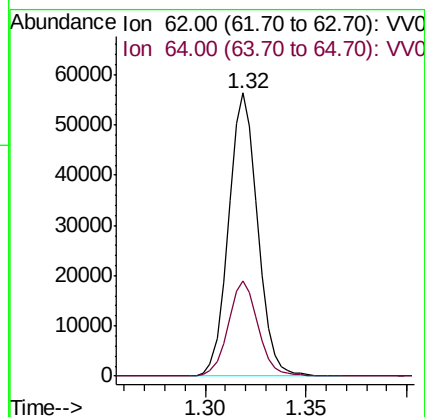
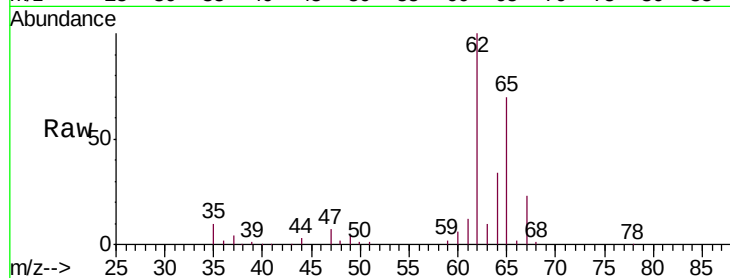
BFB57

Tgt Ion: 62 Resp: 56852

Ion Ratio Lower Upper

62 100

64 33.6 23.3 43.3



#6

Bromomethane

Concen: 28.497 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV008864.D

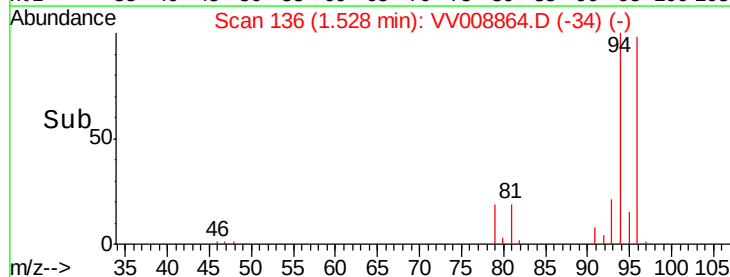
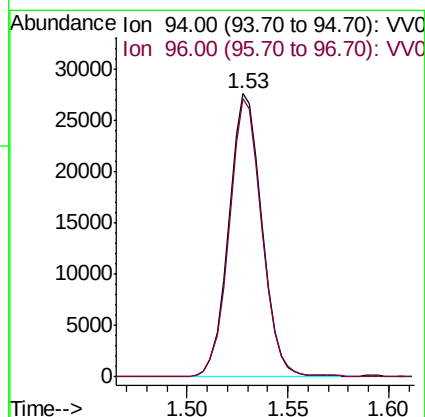
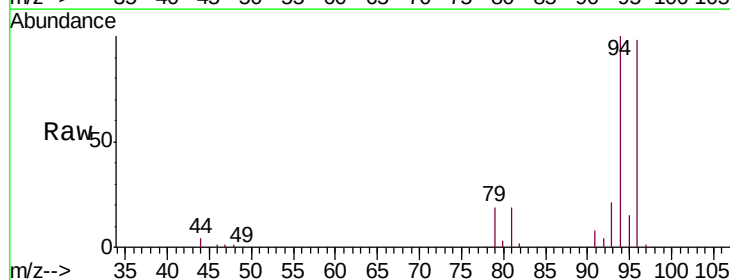
Acq: 06 Dec 2018 18:53

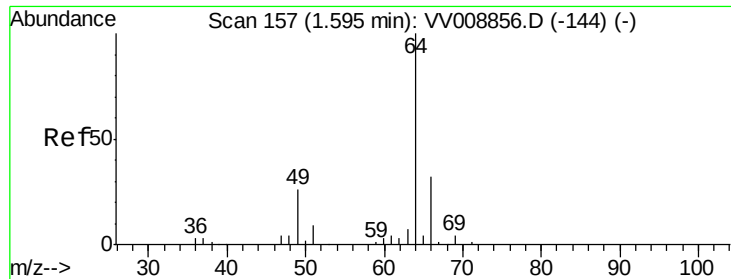
Tgt Ion: 94 Resp: 31827

Ion Ratio Lower Upper

94 100

96 96.7 9.5 180.9

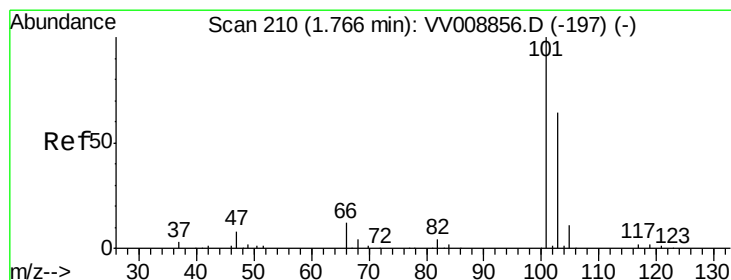
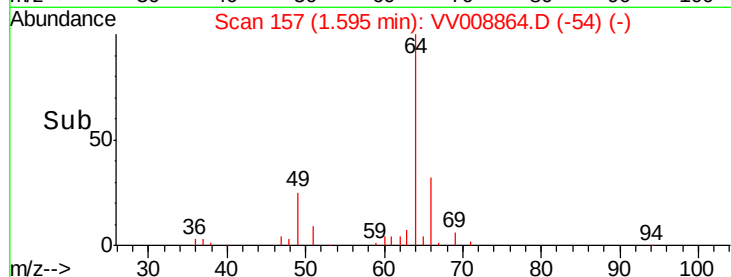
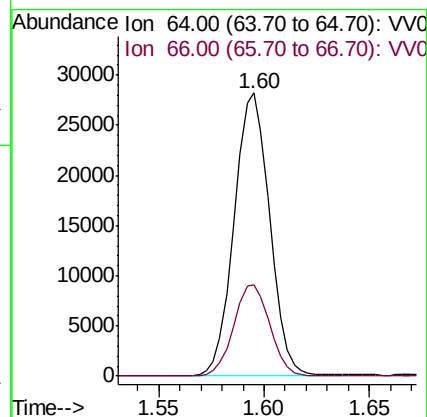
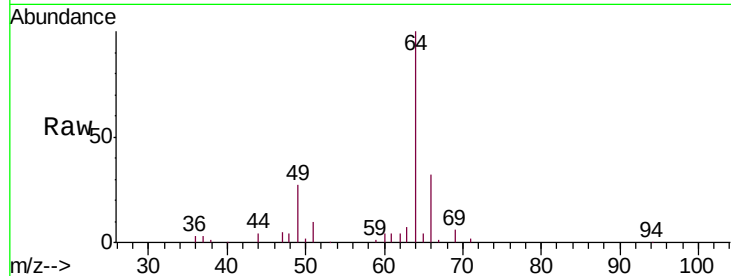




#8
Chloroethane
Concen: 25.344 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV008864.D
Acq: 06 Dec 2018 18:53

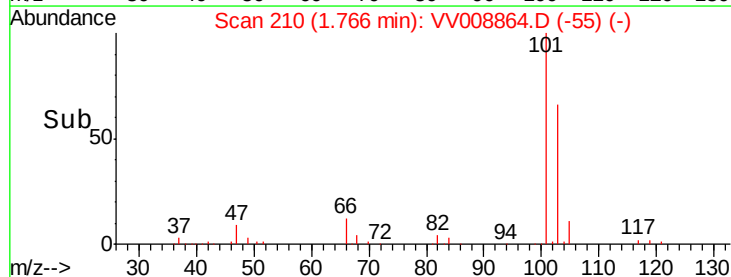
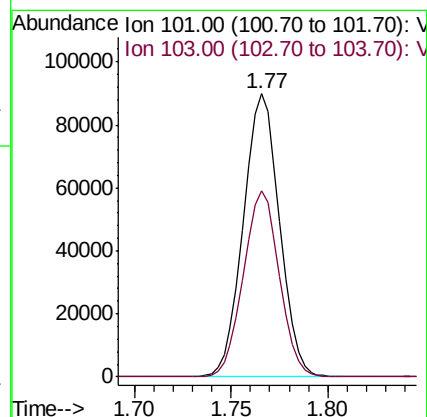
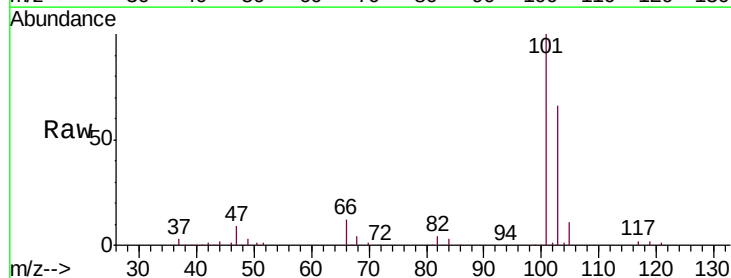
Instrument :
MSVOA_V
ClientSampleId :
BFB57

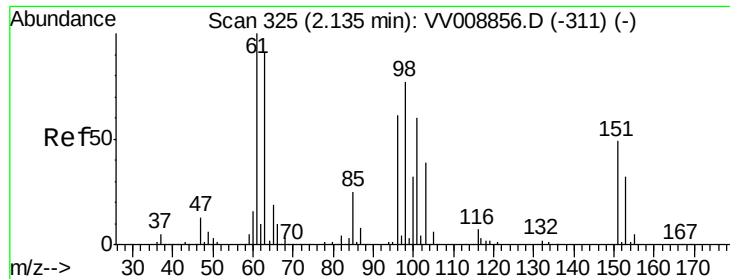
Tgt Ion: 64 Resp: 32974
Ion Ratio Lower Upper
64 100
66 32.5 22.2 41.2



#9
Trichlorofluoromethane
Concen: 29.450 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV008864.D
Acq: 06 Dec 2018 18:53

Tgt Ion: 101 Resp: 117178
Ion Ratio Lower Upper
101 100
103 65.3 44.8 83.2





#11

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

Concen: 27.117 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

Instrument :

MSVOA_V

ClientSampled :

BFB57

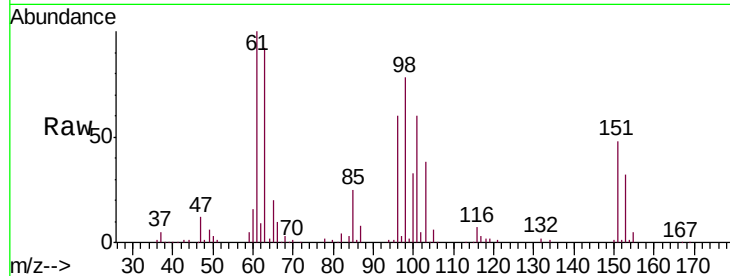
Tgt Ion:101 Resp: 74000

Ion Ratio Lower Upper

101 100

85 42.5 32.5 48.7

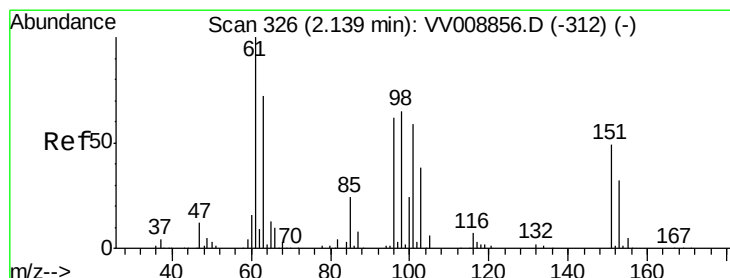
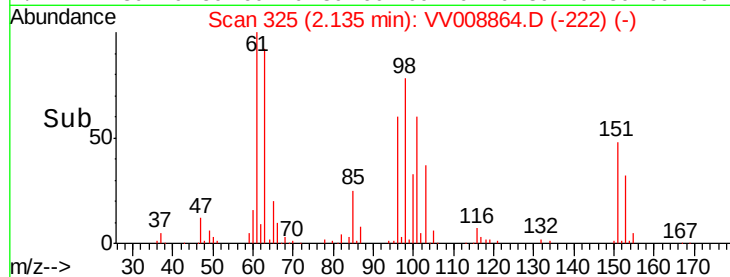
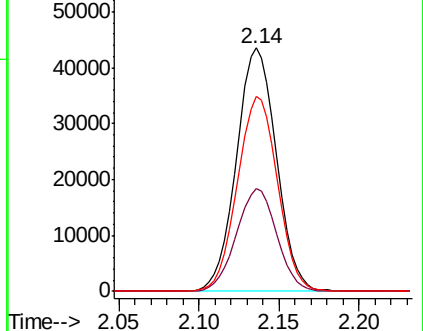
151 80.5 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): VV008864.D (-222) (-)

Ion 85.00 (84.70 to 85.70): VV008864.D (-222) (-)

Ion 151.00 (150.70 to 151.70): VV008864.D (-222) (-)



#12

1,1-Dichloroethene

Concen: 27.472 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

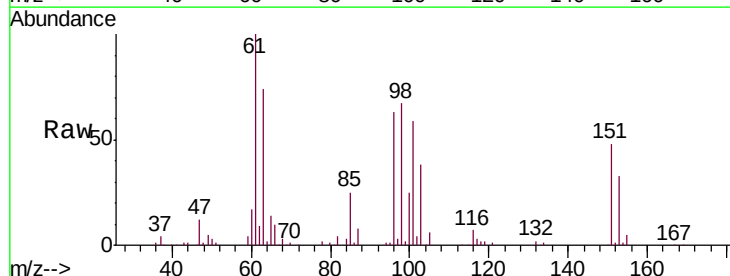
Tgt Ion: 96 Resp: 65419

Ion Ratio Lower Upper

96 100

61 159.2 114.0 211.6

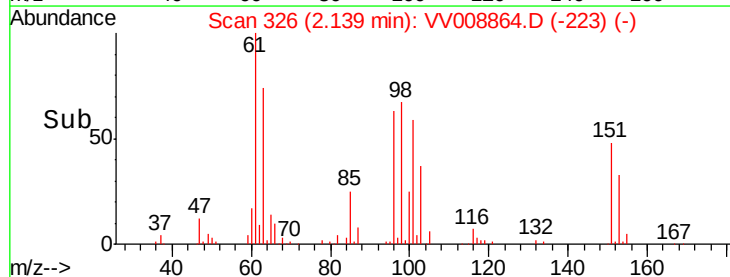
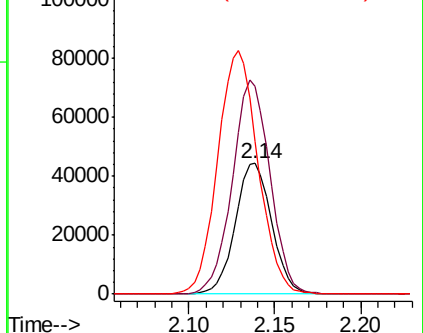
63 117.1 82.4 153.0

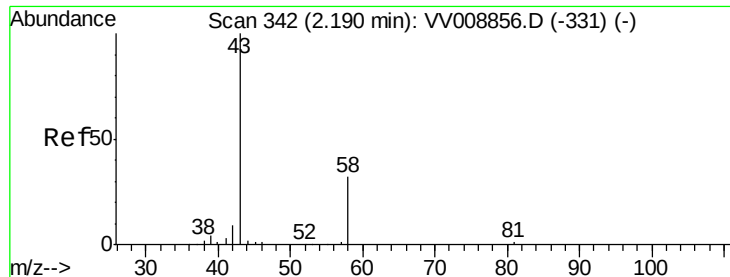


Abundance Ion 96.00 (95.70 to 96.70): VV008864.D (-223) (-)

Ion 61.00 (60.70 to 61.70): VV008864.D (-223) (-)

Ion 63.00 (62.70 to 63.70): VV008864.D (-223) (-)





#13

Acetone

Concen: 62.868 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

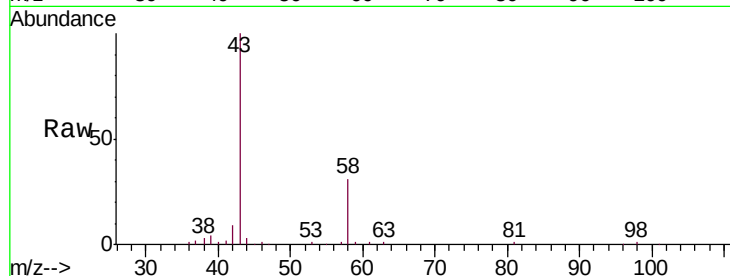
Instrument :
MSVOA_V
ClientSampleId :
BFB57

Tgt Ion: 43 Resp: 64467

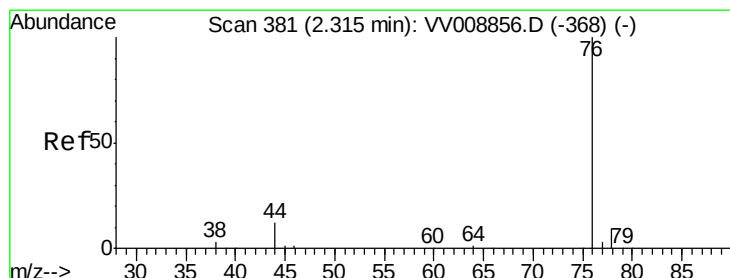
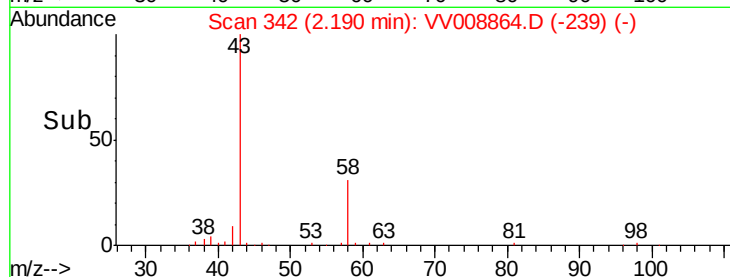
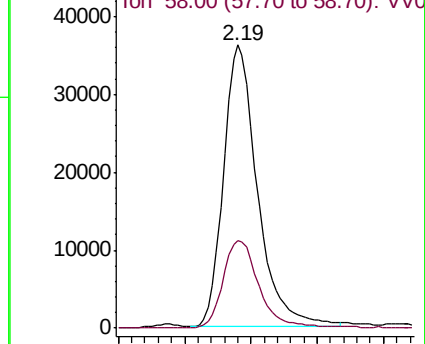
Ion Ratio Lower Upper

43 100

58 32.9 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV008856.D (-331) (-)



#14

Carbon disulfide

Concen: 25.372 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV008864.D

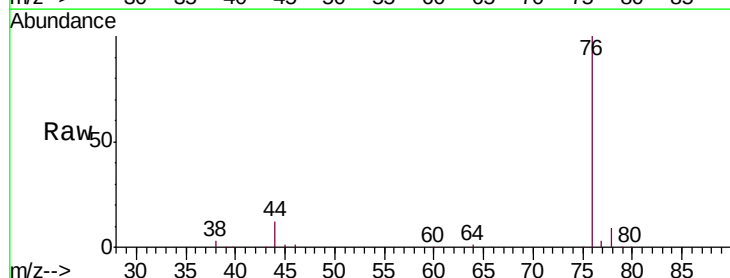
Acq: 06 Dec 2018 18:53

Tgt Ion: 76 Resp: 194009

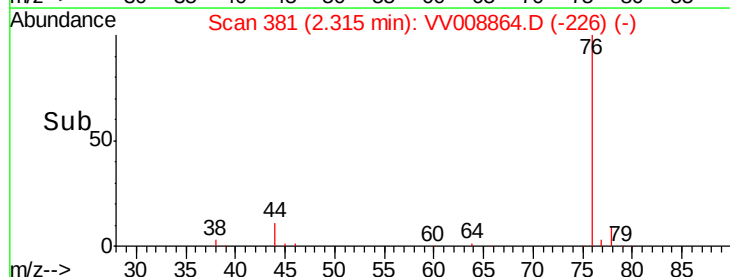
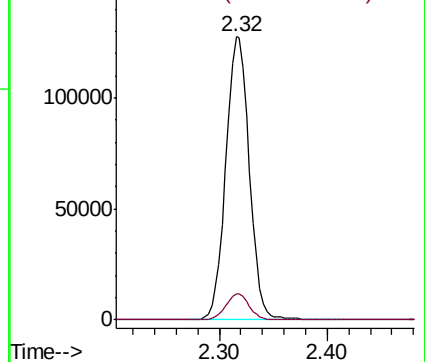
Ion Ratio Lower Upper

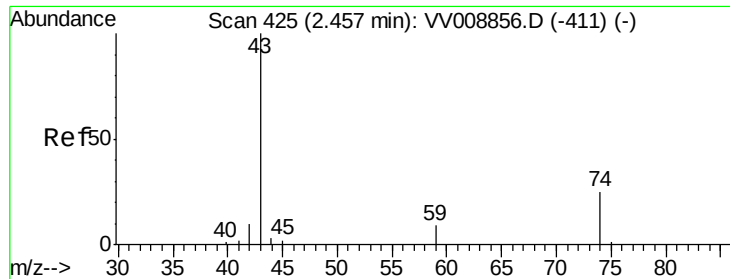
76 100

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV008856.D (-368) (-)

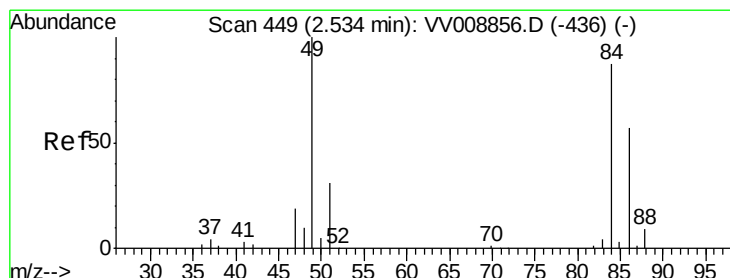
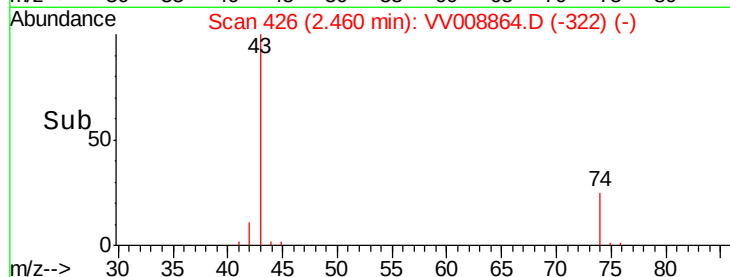
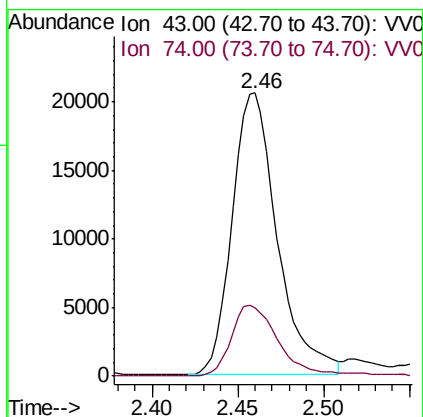
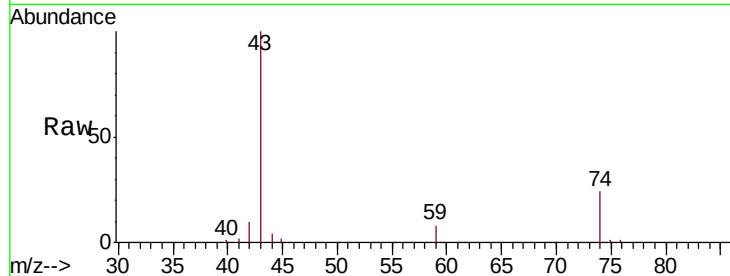




#15
Methyl Acetate
Concen: 28.960 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV008864.D
Acq: 06 Dec 2018 18:53

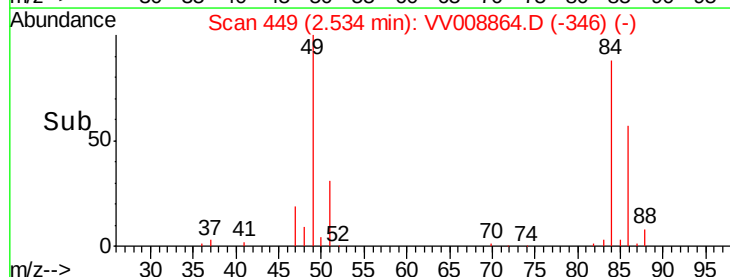
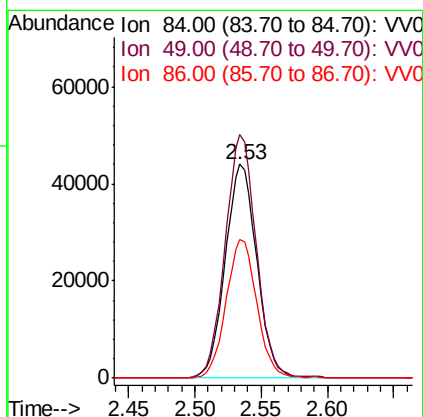
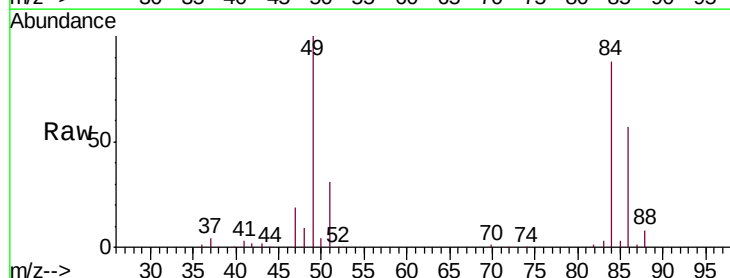
Instrument :
MSVOA_V
ClientSampleId :
BFB57

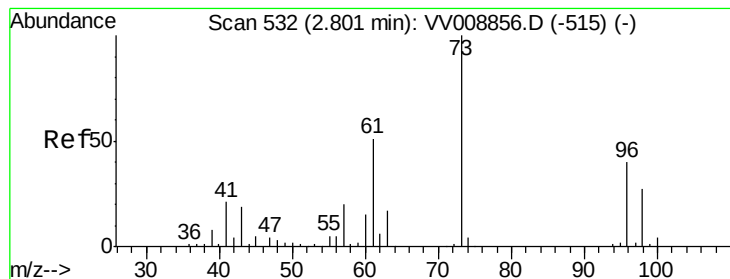
Tgt Ion: 43 Resp: 37657
Ion Ratio Lower Upper
43 100
74 26.5 19.7 29.5



#16
Methylene chloride
Concen: 23.477 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV008864.D
Acq: 06 Dec 2018 18:53

Tgt Ion: 84 Resp: 73033
Ion Ratio Lower Upper
84 100
49 114.0 80.5 149.5
86 64.8 45.5 84.5





#17

Methyl tert-butyl Ether

Concen: 28.166 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

Instrument :

MSVOA_V

ClientSampleId :

BFB57

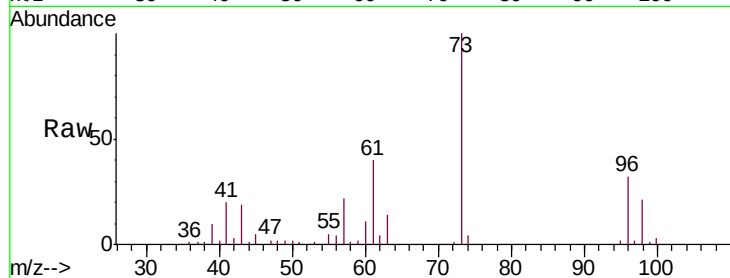
Tgt Ion: 73 Resp: 152379

Ion Ratio Lower Upper

73 100

43 19.9 14.9 22.3

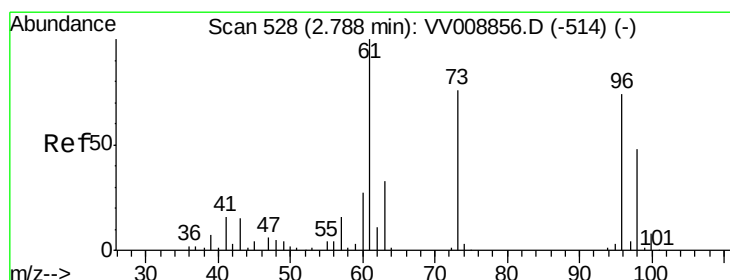
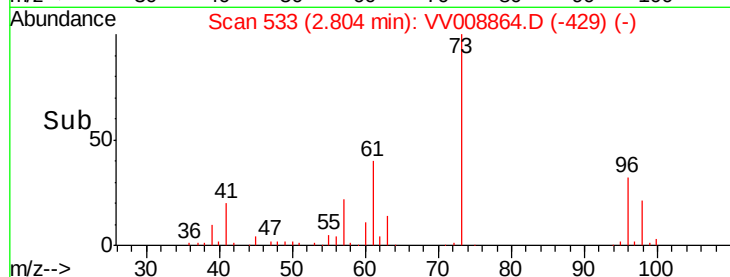
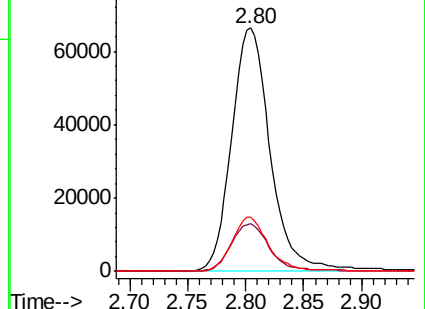
57 20.9 16.0 24.0



Abundance Ion 73.00 (72.70 to 73.70): VV008856.D (-515) (-)

Ion 43.00 (42.70 to 43.70): VV008856.D (-515) (-)

Ion 57.00 (56.70 to 57.70): VV008856.D (-515) (-)



#18

trans-1,2-Dichloroethene

Concen: 26.491 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

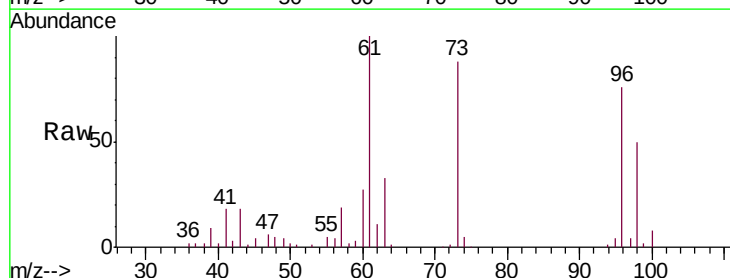
Tgt Ion: 96 Resp: 68167

Ion Ratio Lower Upper

96 100

61 131.8 94.6 175.8

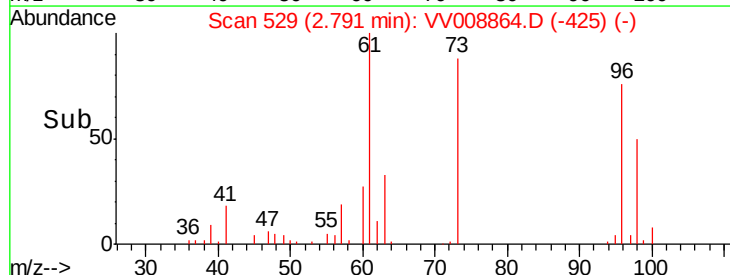
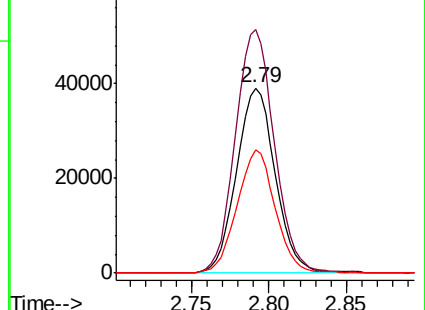
98 66.4 45.3 84.1

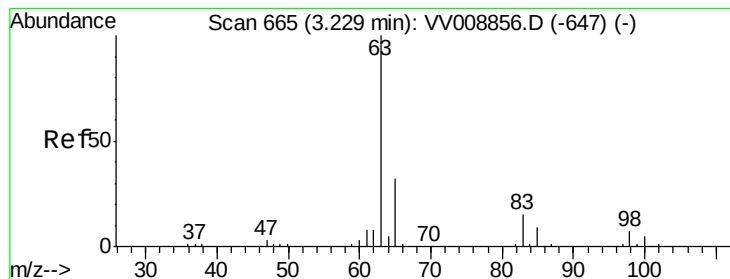


Abundance Ion 96.00 (95.70 to 96.70): VV008856.D (-514) (-)

Ion 61.00 (60.70 to 61.70): VV008856.D (-514) (-)

Ion 98.00 (97.70 to 98.70): VV008856.D (-514) (-)





#19

1,1-Dichloroethane

Concen: 26.282 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

Instrument :

MSVOA_V

ClientSampleId :

BFB57

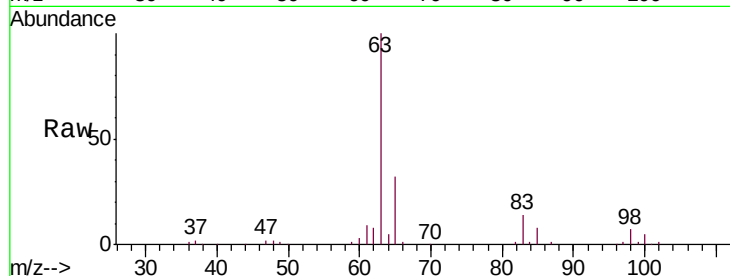
Tgt Ion: 63 Resp: 109633

Ion Ratio Lower Upper

63 100

65 31.6 22.7 42.1

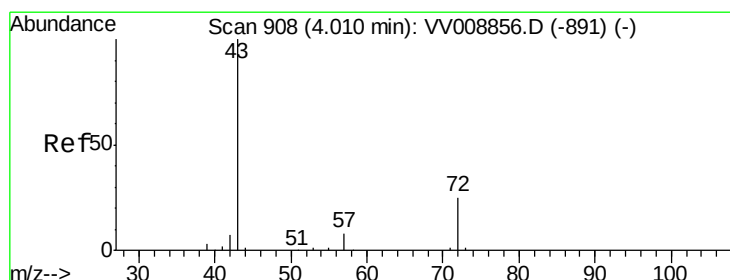
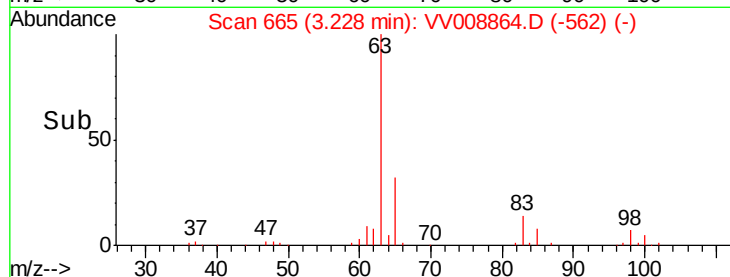
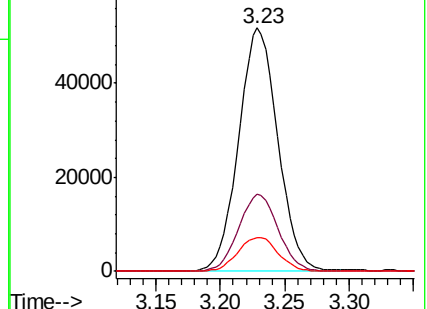
83 13.8 10.2 19.0



Abundance Ion 63.00 (62.70 to 63.70): VV008856.D (-647) (-)

Ion 65.00 (64.70 to 65.70): VV008856.D (-647) (-)

Ion 83.00 (82.70 to 83.70): VV008856.D (-647) (-)



#21

2-Butanone

Concen: 62.867 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.01 min

Lab File: VV008864.D

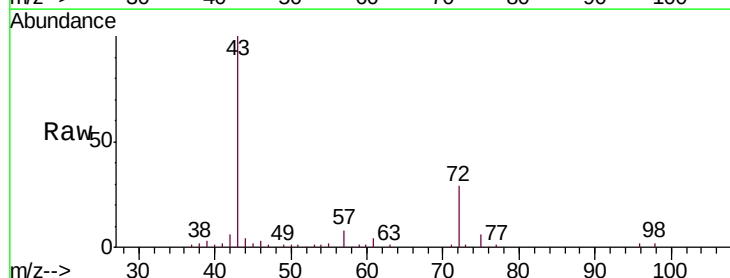
Acq: 06 Dec 2018 18:53

Tgt Ion: 43 Resp: 60421

Ion Ratio Lower Upper

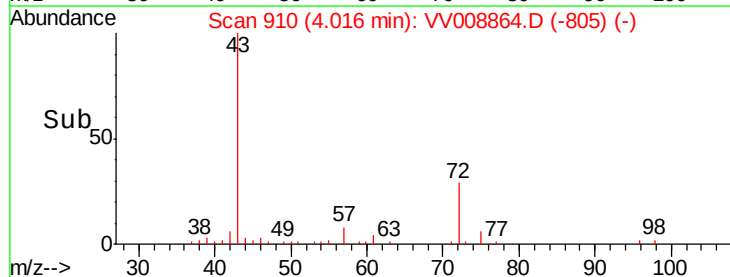
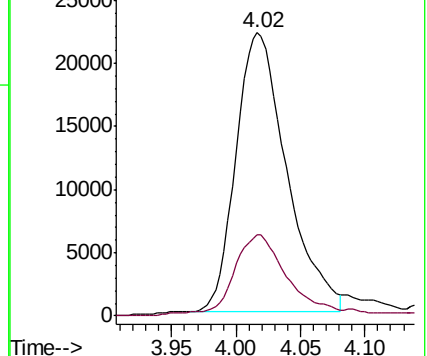
43 100

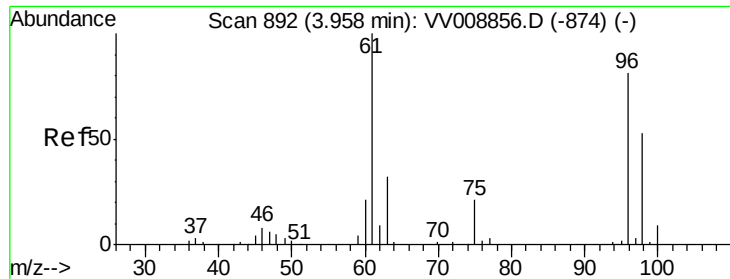
72 30.0 13.7 41.1



Abundance Ion 43.00 (42.70 to 43.70): VV008856.D (-891) (-)

Ion 72.00 (71.70 to 72.70): VV008856.D (-891) (-)



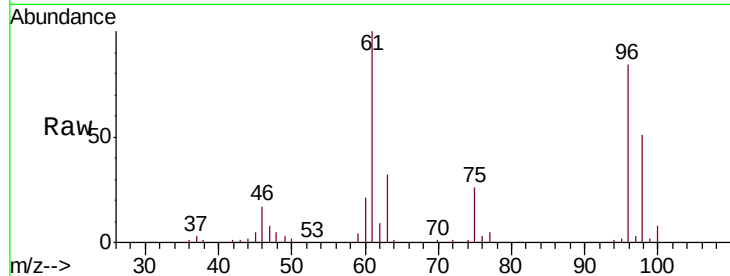


#22

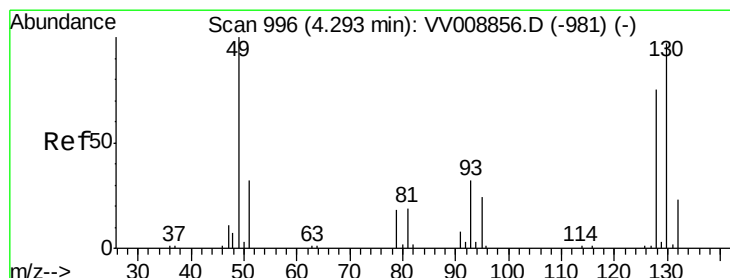
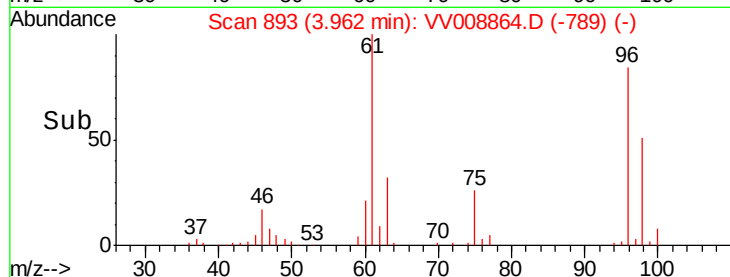
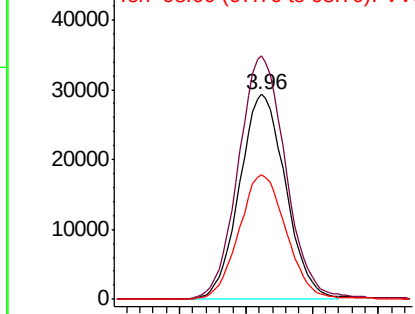
cis-1,2-Dichloroethene
 Concen: 26.532 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV008864.D
 Acq: 06 Dec 2018 18:53

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB57

Tgt Ion: 96 Resp: 71187
 Ion Ratio Lower Upper
 96 100
 61 118.9 86.2 160.0
 98 60.8 45.6 84.6



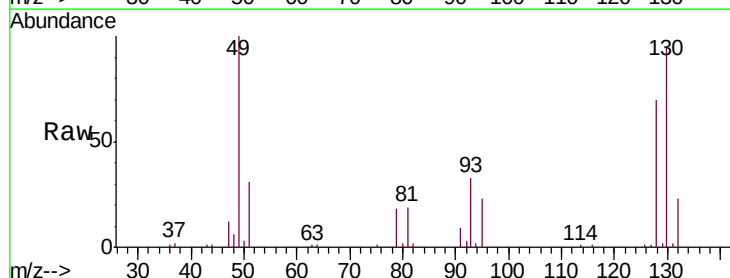
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



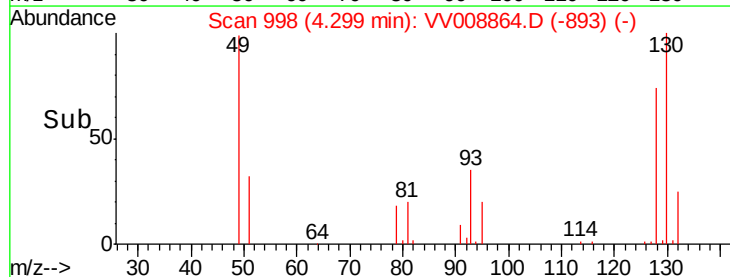
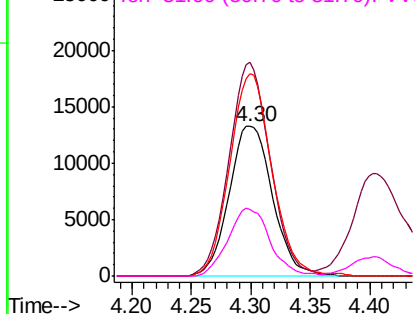
#23

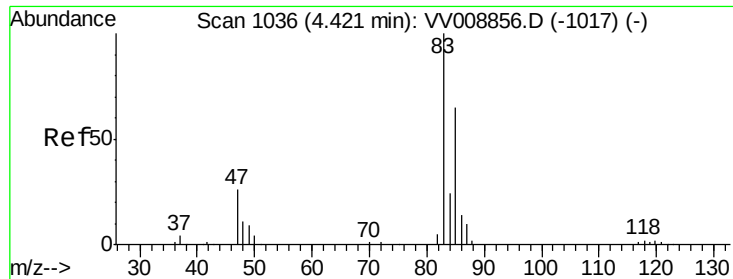
Bromochloromethane
 Concen: 26.500 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.01 min
 Lab File: VV008864.D
 Acq: 06 Dec 2018 18:53

Tgt Ion: 128 Resp: 33511
 Ion Ratio Lower Upper
 128 100
 49 142.8 93.8 174.2
 130 135.6 90.4 168.0
 51 44.6 34.2 51.4



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VV0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VV0

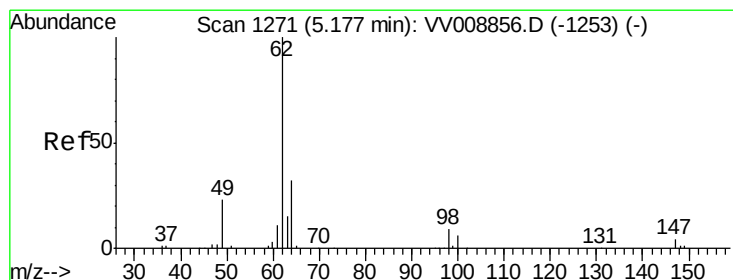
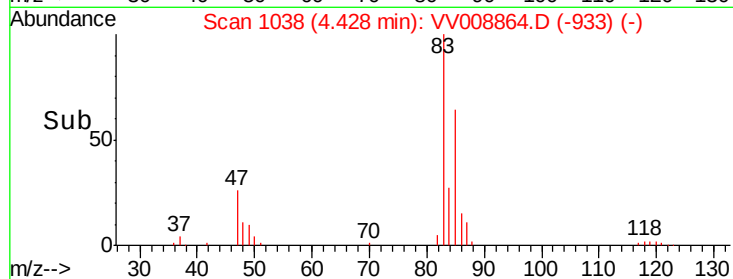
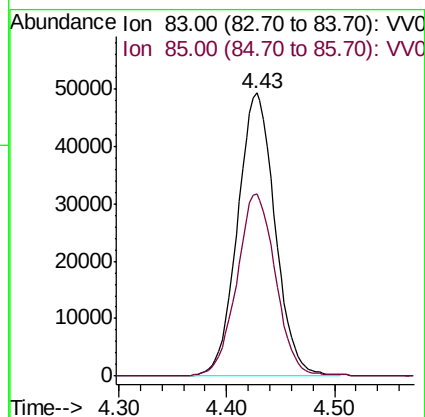
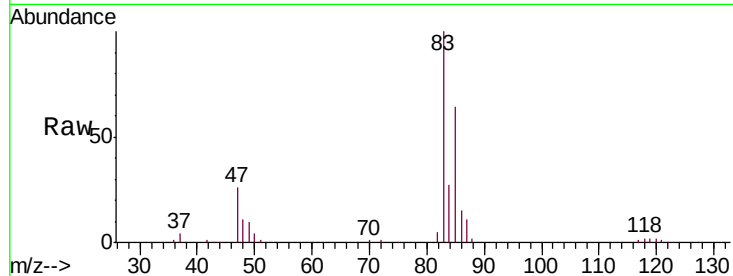




#25
Chloroform
Concen: 26.605 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV008864.D
Acq: 06 Dec 2018 18:53

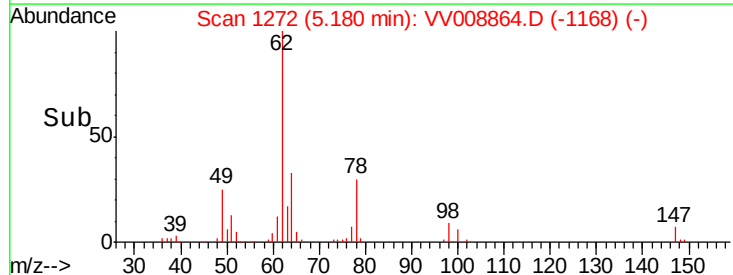
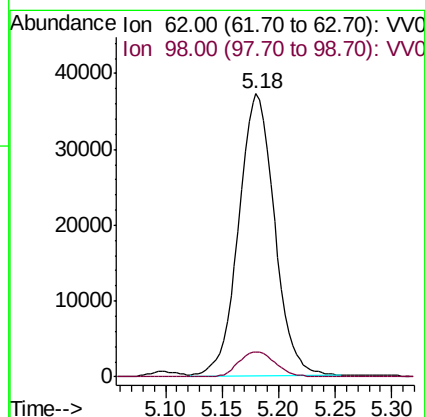
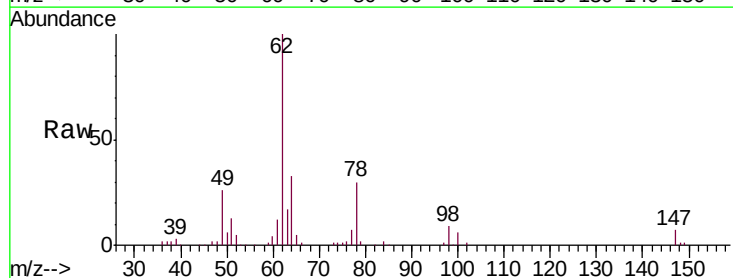
Instrument :
MSVOA_V
ClientSampleId :
BFB57

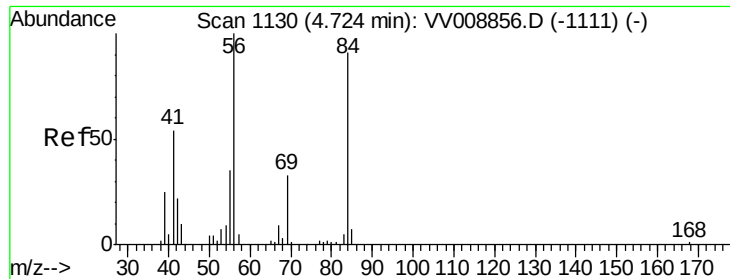
Tgt Ion: 83 Resp: 119104
Ion Ratio Lower Upper
83 100
85 66.5 45.6 84.8



#27
1,2-Dichloroethane
Concen: 27.013 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV008864.D
Acq: 06 Dec 2018 18:53

Tgt Ion: 62 Resp: 82378
Ion Ratio Lower Upper
62 100
98 8.8 7.4 11.0

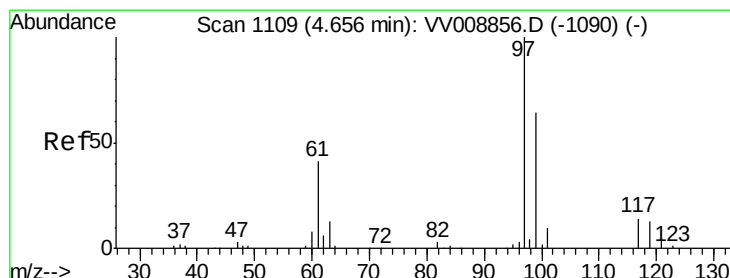
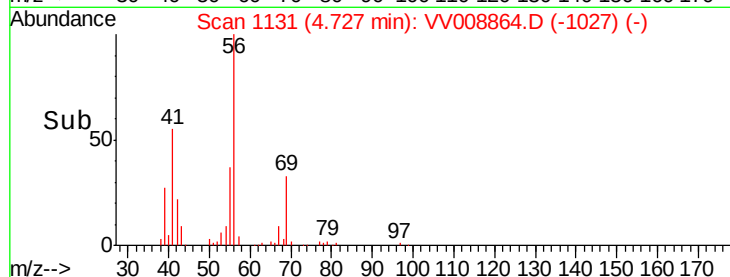
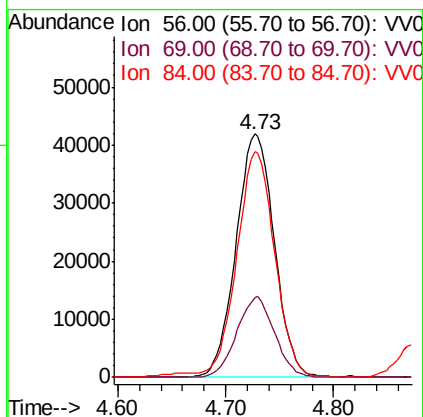
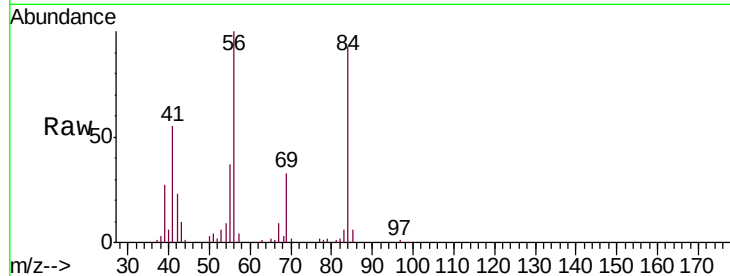




#30
Cyclohexane
Concen: 24.862 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV008864.D
Acq: 06 Dec 2018 18:53

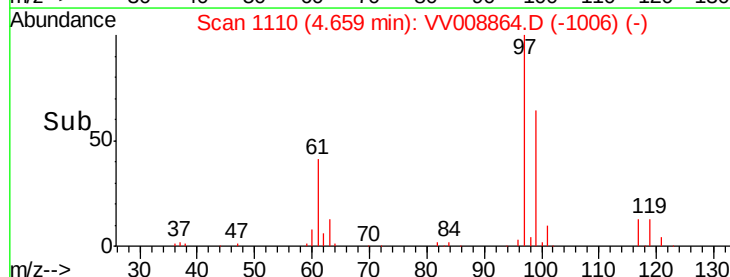
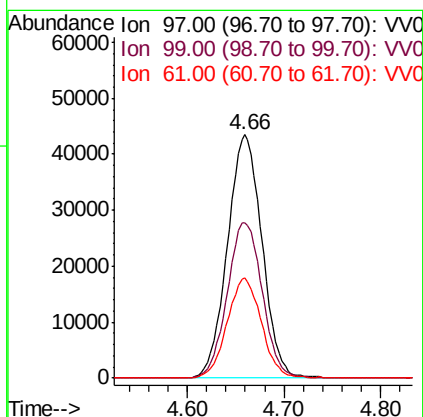
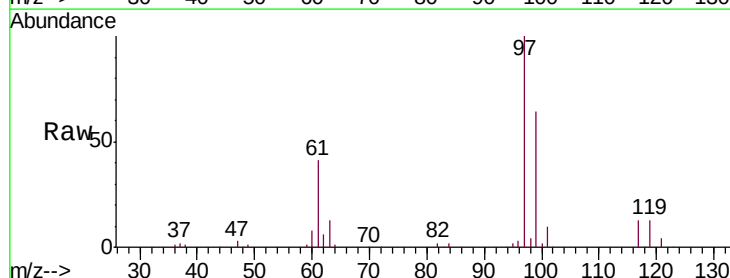
Instrument :
MSVOA_V
ClientSampled :
BFB57

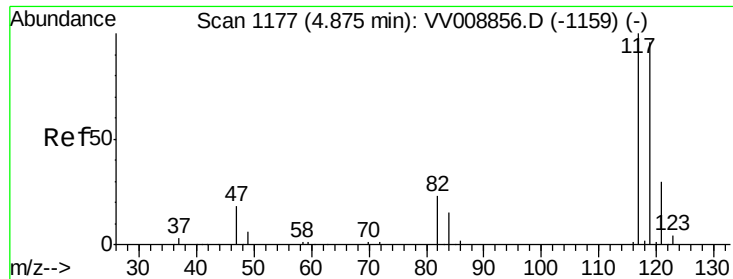
Tgt Ion: 56 Resp: 103714
Ion Ratio Lower Upper
56 100
69 32.4 25.8 38.8
84 91.7 73.0 109.6



#31
1,1,1-Trichloroethane
Concen: 25.339 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV008864.D
Acq: 06 Dec 2018 18:53

Tgt Ion: 97 Resp: 108228
Ion Ratio Lower Upper
97 100
99 64.6 51.9 77.9
61 40.7 33.1 49.7





#32

Carbon tetrachloride

Concen: 24.962 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

Instrument :

MSVOA_V

ClientSampleId :

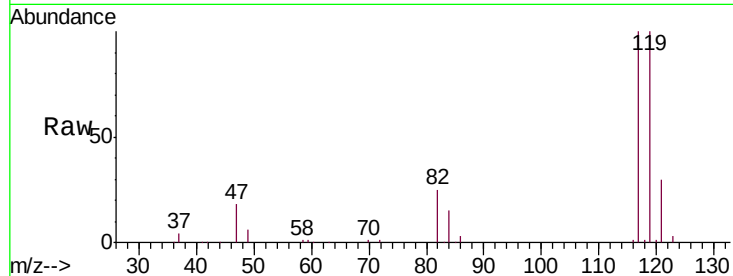
BFB57

Tgt Ion:117 Resp: 97336

Ion Ratio Lower Upper

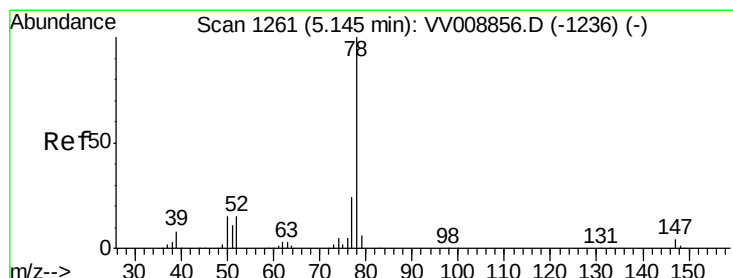
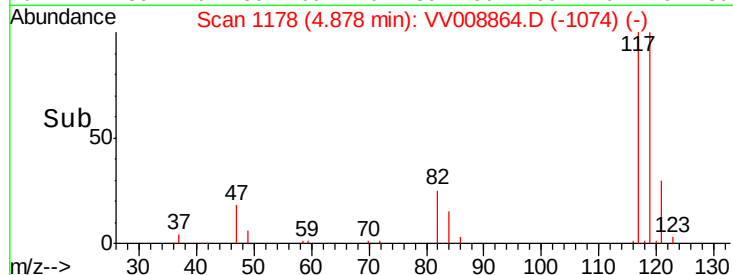
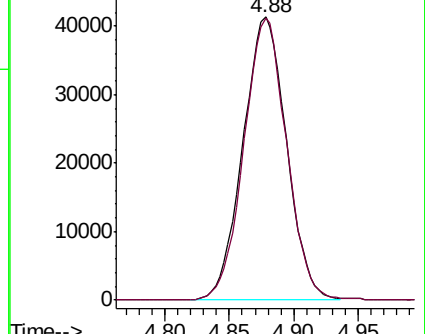
117 100

119 97.7 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.454 ug/L

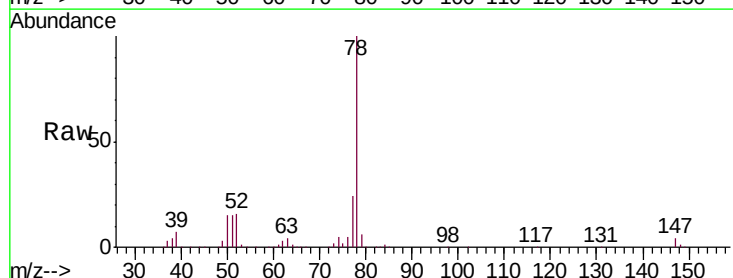
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

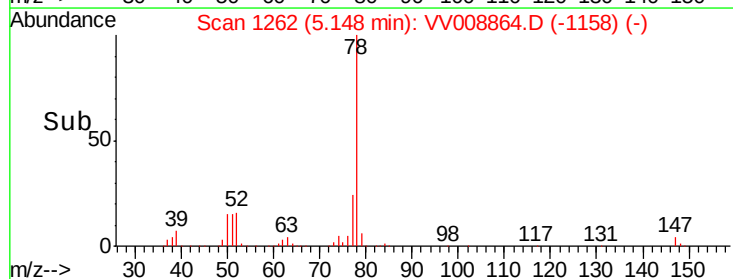
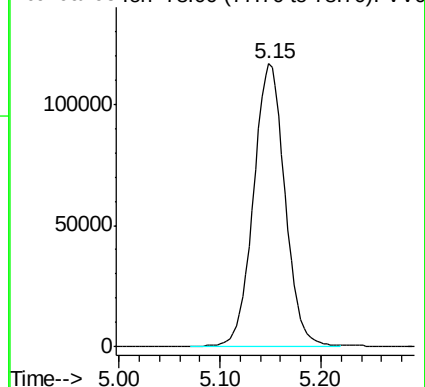
Lab File: VV008864.D

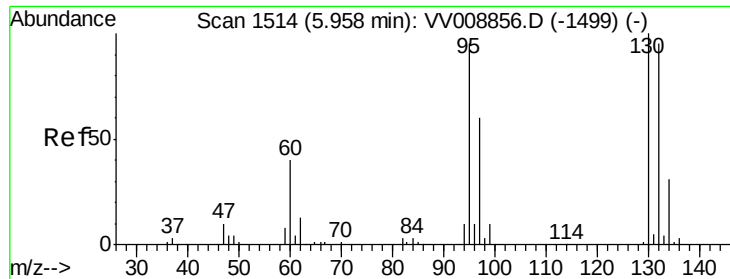
Acq: 06 Dec 2018 18:53

Tgt Ion: 78 Resp: 252646



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 25.280 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

Instrument :

MSVOA_V

ClientSampleId :

BFB57

Tgt Ion: 95 Resp: 75645

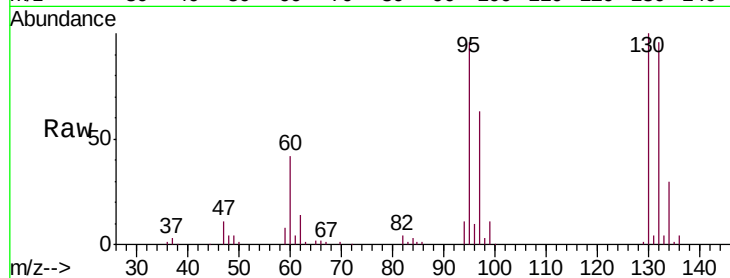
Ion Ratio Lower Upper

95 100

97 65.9 45.3 84.1

132 98.4 70.0 130.0

130 104.7 73.4 136.4

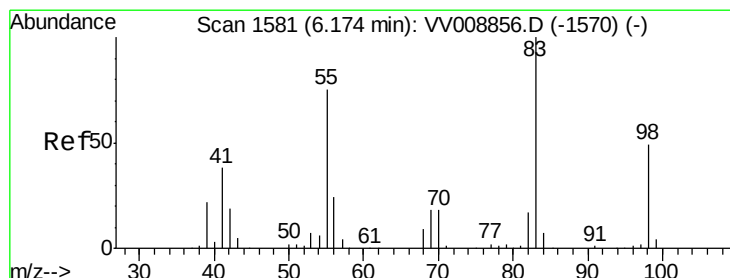
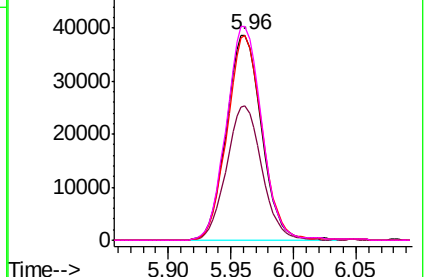
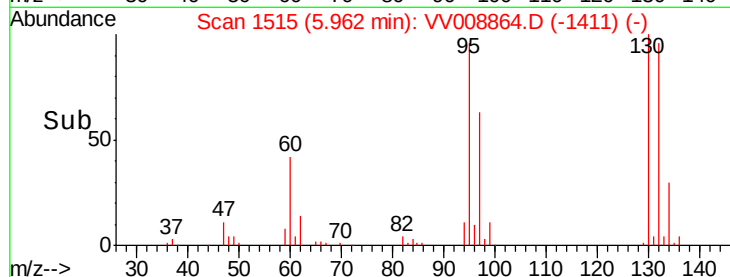


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 25.507 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.01 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

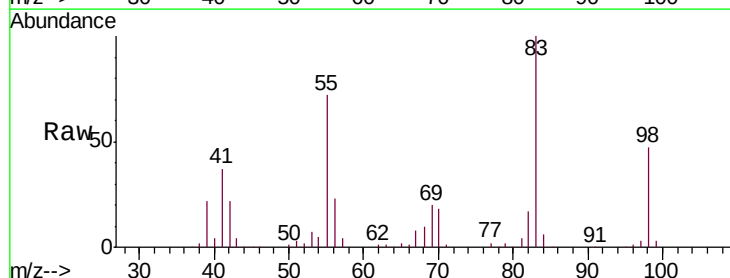
Tgt Ion: 83 Resp: 121729

Ion Ratio Lower Upper

83 100

55 72.8 58.2 87.2

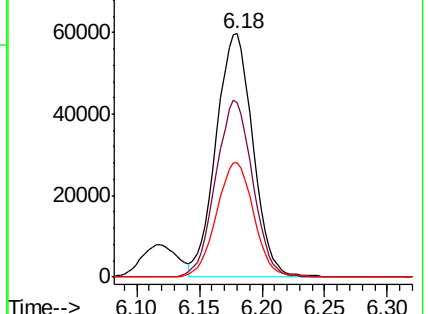
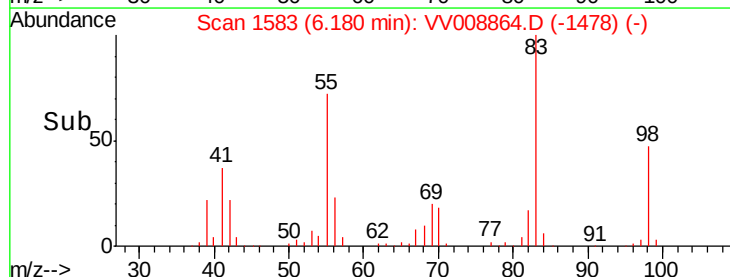
98 47.7 37.8 56.8

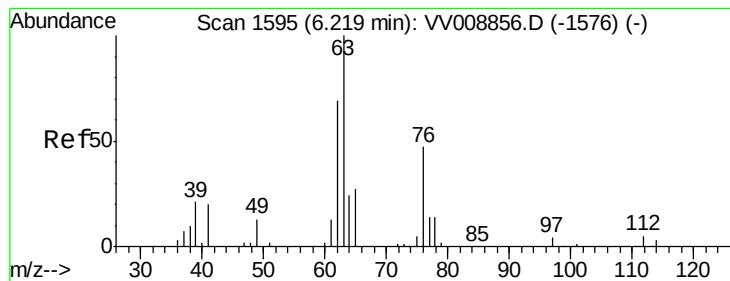


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 25.578 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

Instrument :

MSVOA_V

ClientSampleId :

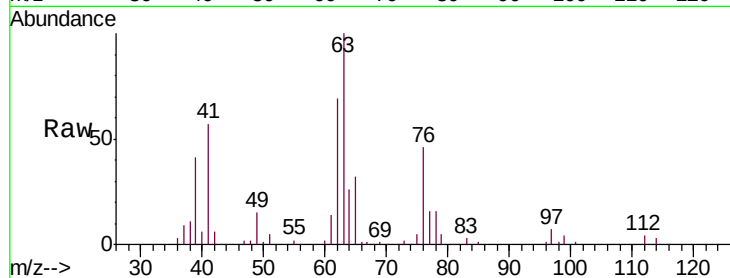
BFB57

Tgt Ion: 63 Resp: 60930

Ion Ratio Lower Upper

63 100

112 4.2 3.8 5.8

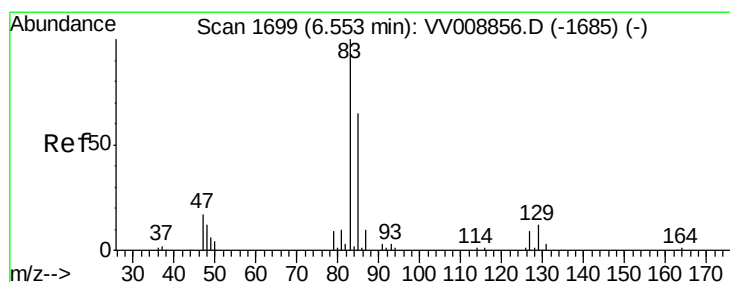
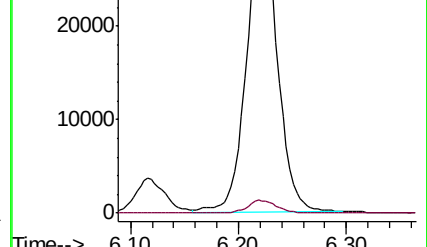
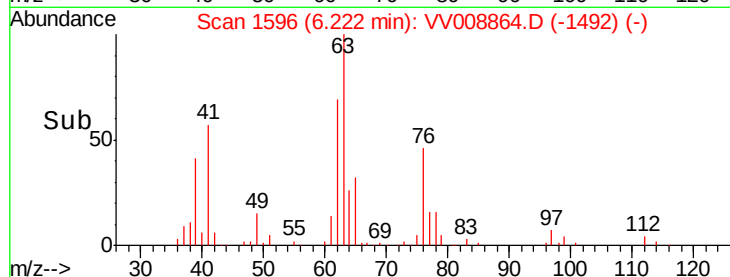


Abundance Ion 63.00 (62.70 to 63.70): VV008856.D (-1576) (-)

Ion 112.00 (111.70 to 112.70): VV008856.D (-1576) (-)

Time-->

6.22



#41

Bromodichloromethane

Concen: 25.768 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

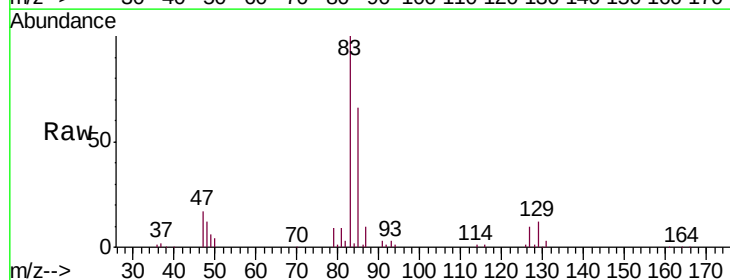
Tgt Ion: 83 Resp: 80902

Ion Ratio Lower Upper

83 100

85 66.5 45.3 84.1

127 9.6 7.2 10.8



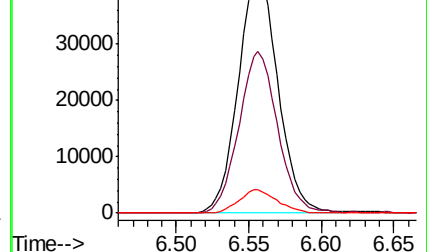
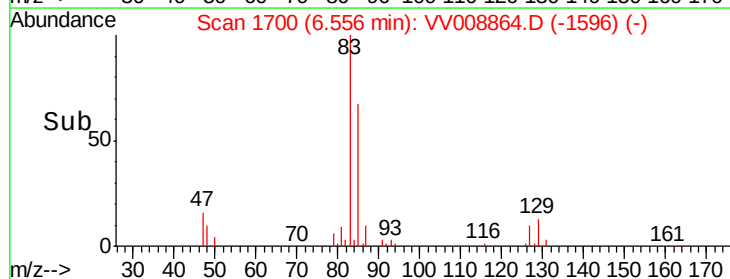
Abundance Ion 83.00 (82.70 to 83.70): VV008856.D (-1685) (-)

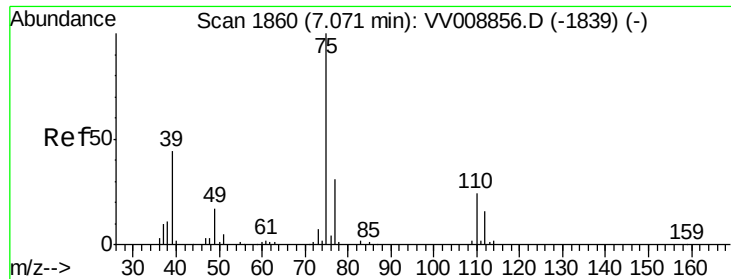
Ion 85.00 (84.70 to 85.70): VV008856.D (-1685) (-)

Ion 127.00 (126.70 to 127.70): VV008856.D (-1685) (-)

Time-->

6.56

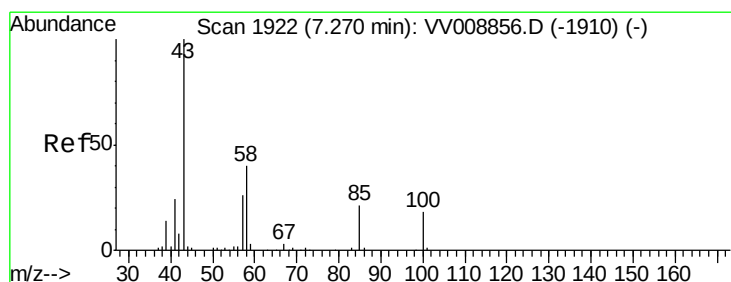
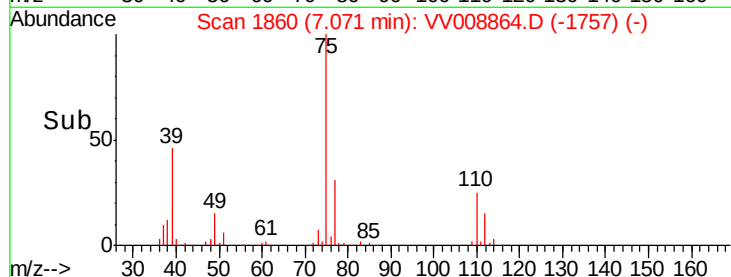
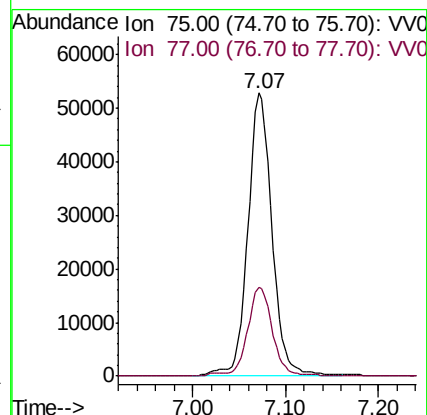
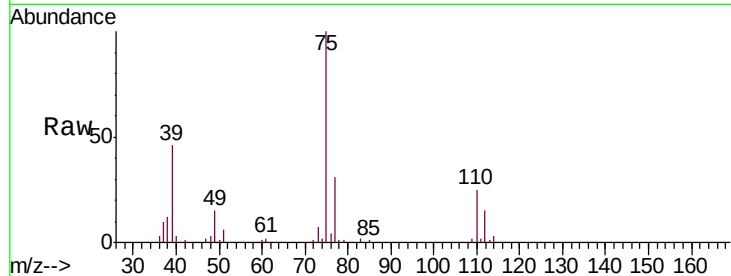




#42
 cis-1,3-Dichloropropene
 Concen: 27.404 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV008864.D
 Acq: 06 Dec 2018 18:53

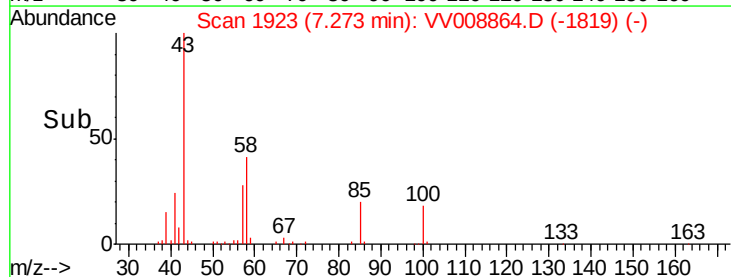
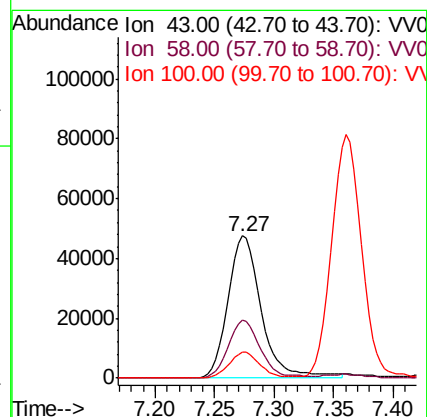
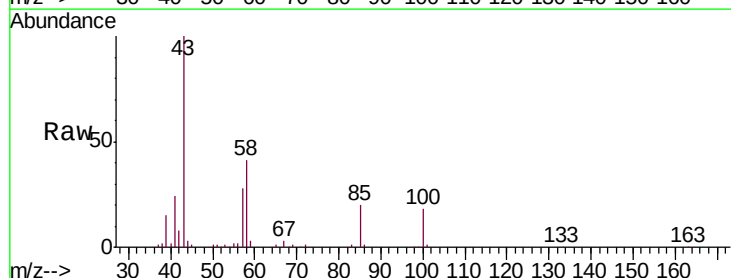
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB57

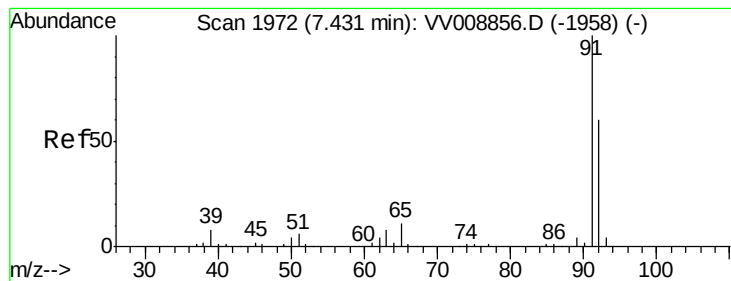
Tgt Ion: 75 Resp: 95573
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.3 39.6



#43
 4-Methyl-2-pentanone
 Concen: 57.459 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV008864.D
 Acq: 06 Dec 2018 18:53

Tgt Ion: 43 Resp: 92513
 Ion Ratio Lower Upper
 43 100
 58 38.7 32.2 48.4
 100 17.0 13.8 20.8





#44

Toluene

Concen: 26.033 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

Instrument :

MSVOA_V

ClientSampleId :

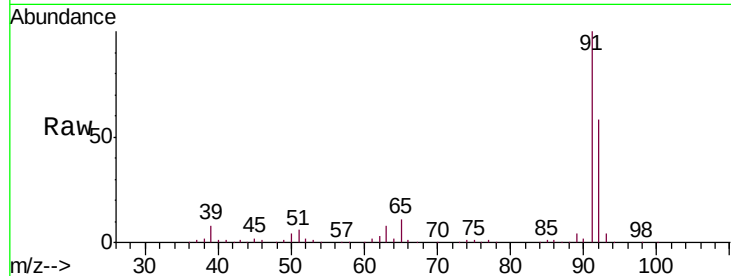
BFB57

Tgt Ion: 91 Resp: 270982

Ion Ratio Lower Upper

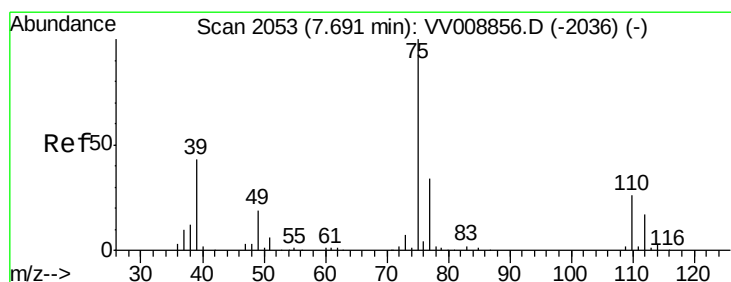
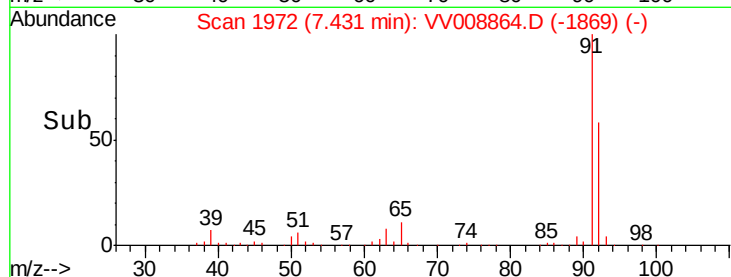
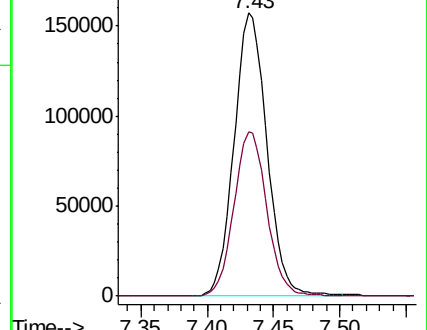
91 100

92 58.1 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#45

trans-1,3-Dichloropropene

Concen: 27.093 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV008864.D

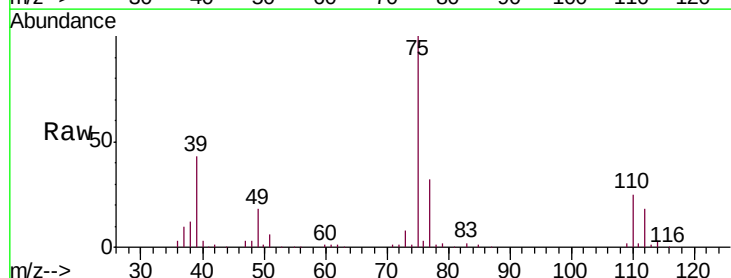
Acq: 06 Dec 2018 18:53

Tgt Ion: 75 Resp: 82370

Ion Ratio Lower Upper

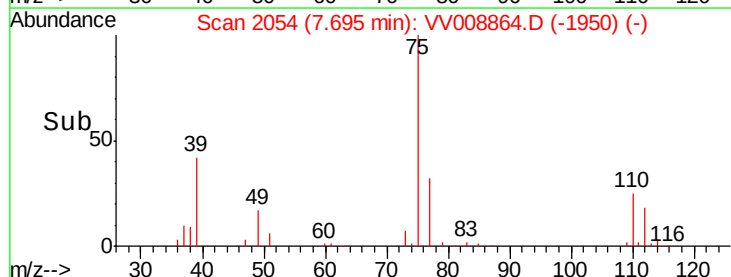
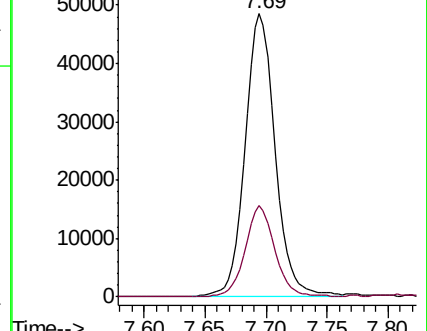
75 100

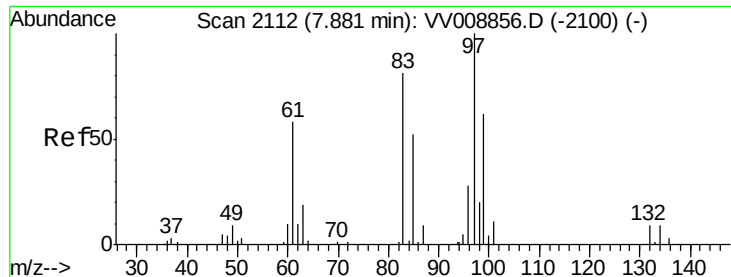
77 32.2 23.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

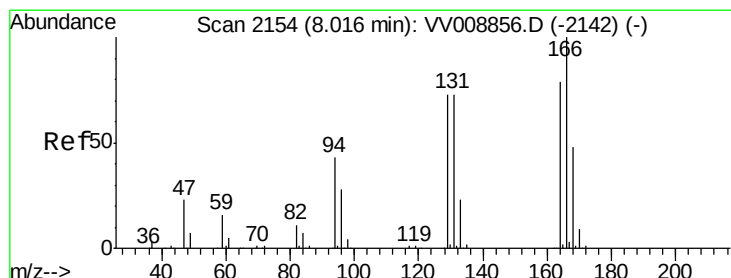
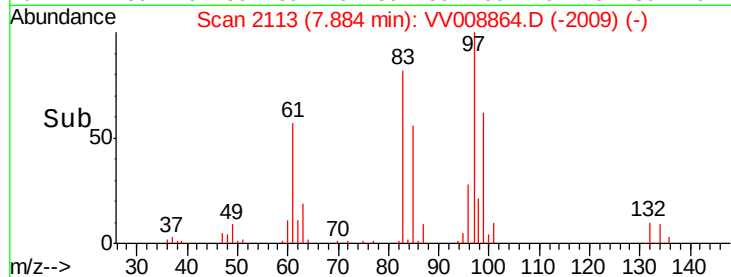
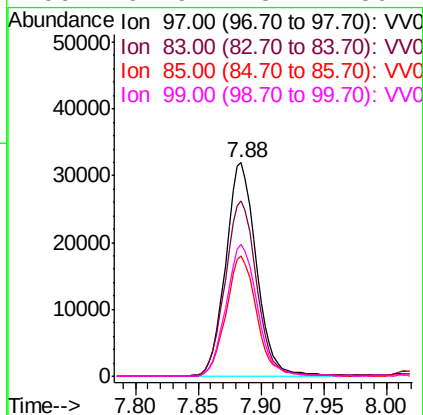
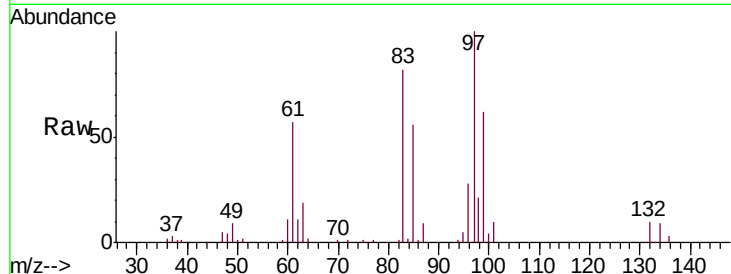




#46
 1,1,2-Trichloroethane
 Concen: 27.372 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV008864.D
 Acq: 06 Dec 2018 18:53

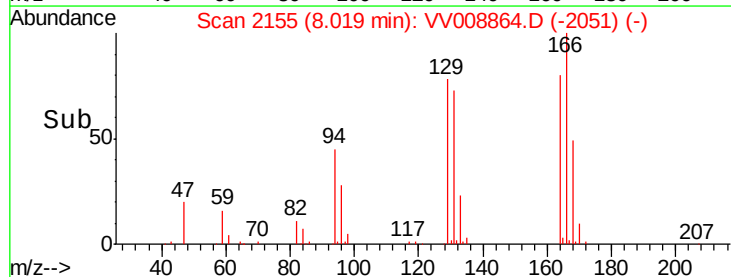
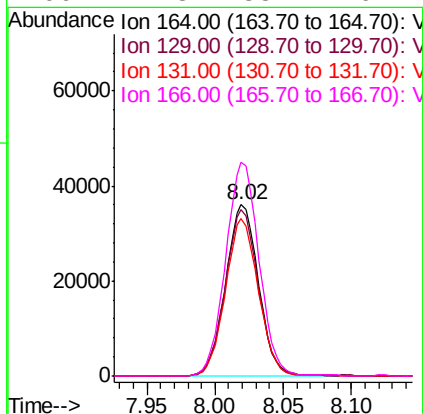
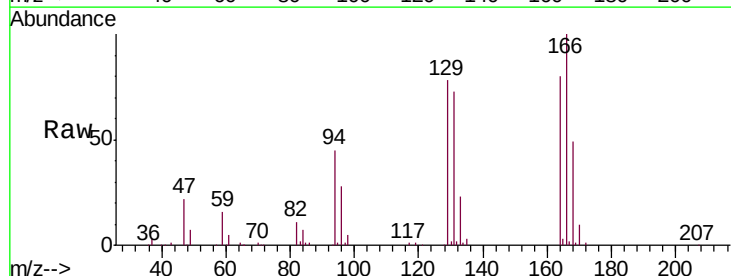
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB57

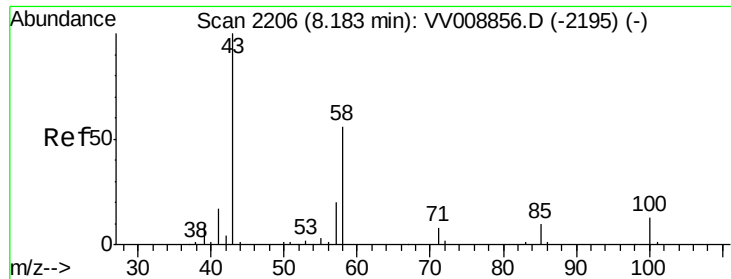
Tgt Ion:	97	Resp:	54329
Ion	Ratio	Lower	Upper
97	100		
83	82.2	56.6	105.2
85	56.4	36.6	68.0
99	61.9	43.2	80.2



#47
 Tetrachloroethene
 Concen: 24.884 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV008864.D
 Acq: 06 Dec 2018 18:53

Tgt Ion:	164	Resp:	60555
Ion	Ratio	Lower	Upper
164	100		
129	97.5	64.6	120.0
131	91.7	64.5	119.7
166	124.8	88.7	164.7

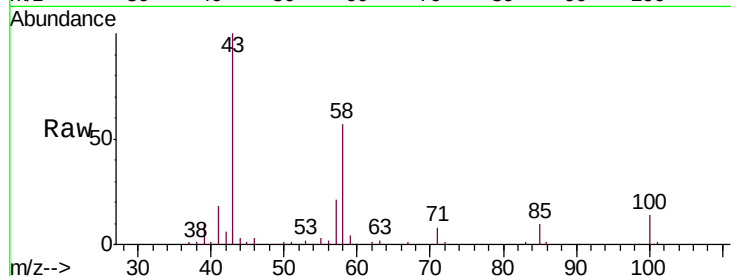




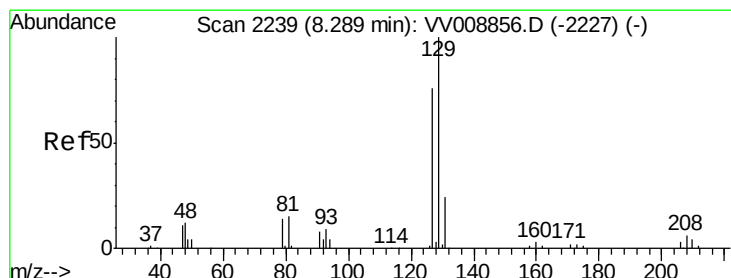
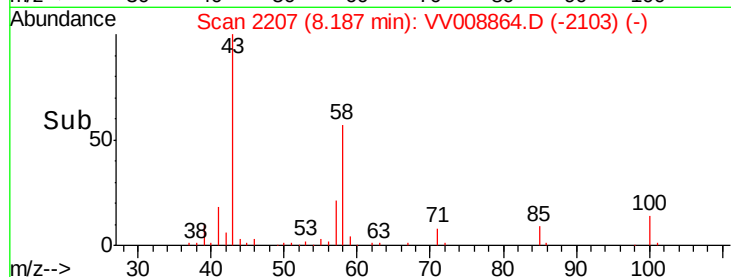
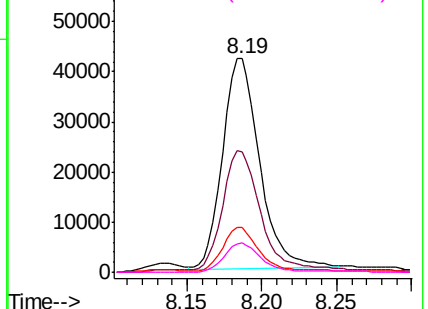
#49
2-Hexanone
Concen: 54.825 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV008864.D
Acq: 06 Dec 2018 18:53

Instrument :
MSVOA_V
ClientSampleId :
BFB57

Tgt Ion: 43 Resp: 73029
Ion Ratio Lower Upper
43 100
58 59.7 43.9 65.9
57 19.3 15.7 23.5
100 13.3 11.0 16.4

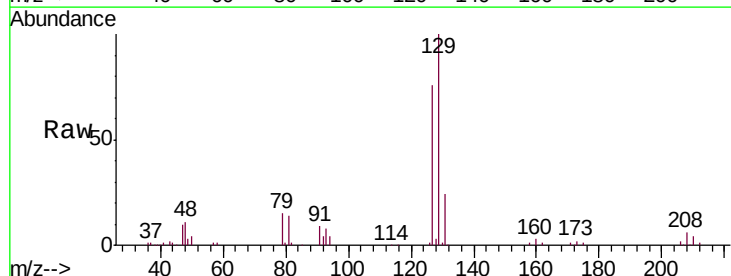


Abundance Ion 43.00 (42.70 to 43.70): VV008856.D (-2195) (-)
Ion 58.00 (57.70 to 58.70): VV008856.D (-2195) (-)
Ion 57.00 (56.70 to 57.70): VV008856.D (-2195) (-)
Ion 100.00 (99.70 to 100.70): VV008856.D (-2195) (-)

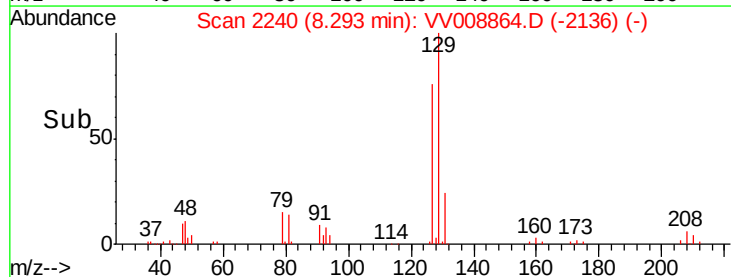
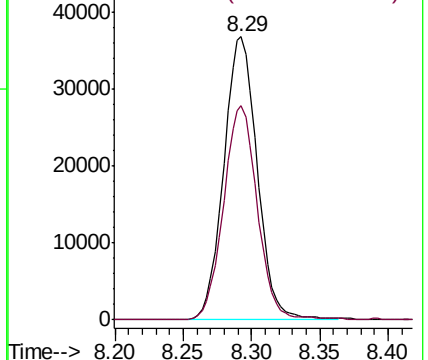


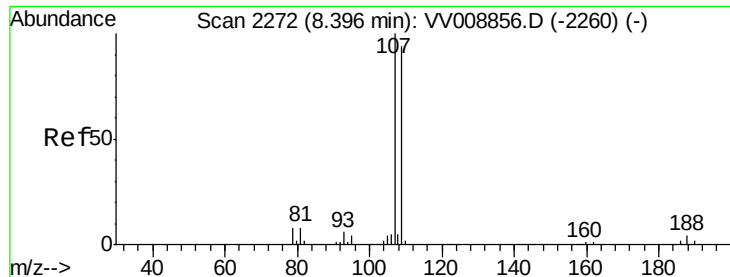
#50
Dibromochloromethane
Concen: 27.573 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008864.D
Acq: 06 Dec 2018 18:53

Tgt Ion: 129 Resp: 62734
Ion Ratio Lower Upper
129 100
127 75.8 53.5 99.3



Abundance Ion 129.00 (128.70 to 129.70): VV008856.D (-2227) (-)
Ion 127.00 (126.70 to 127.70): VV008856.D (-2227) (-)





#51

1,2-Dibromoethane

Concen: 27.716 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

Instrument :

MSVOA_V

ClientSampleId :

BFB57

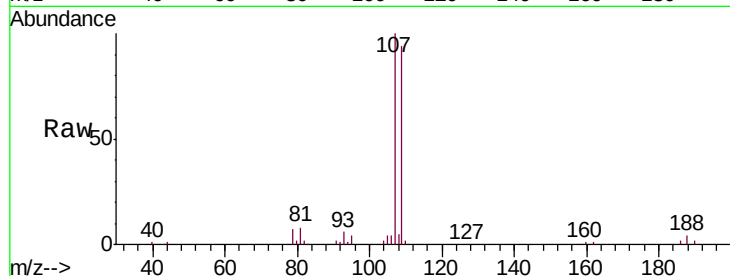
Tgt Ion:107 Resp: 55244

Ion Ratio Lower Upper

107 100

109 93.5 65.8 122.2

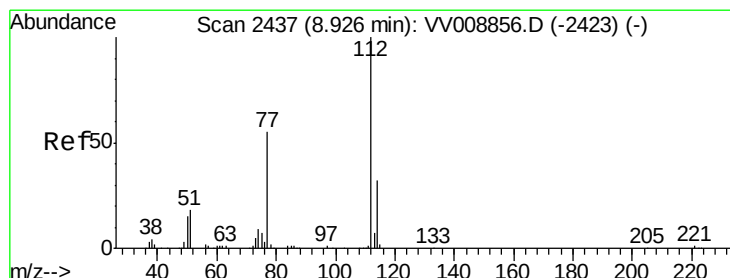
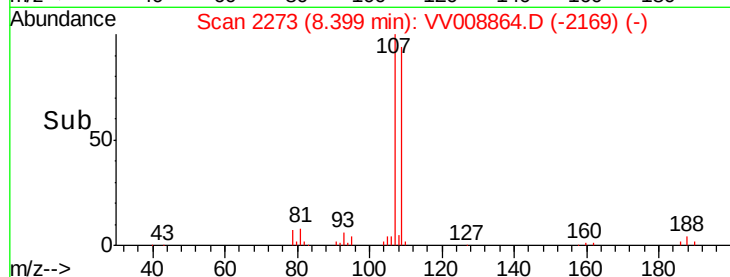
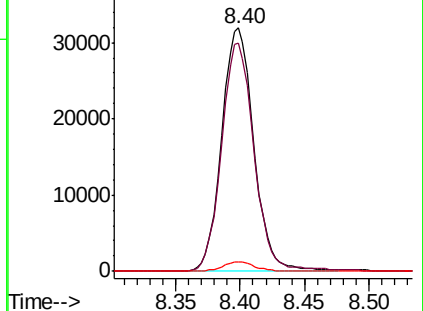
188 4.1 3.0 4.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 26.100 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

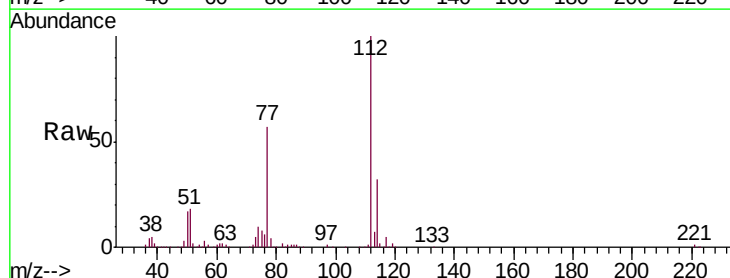
Tgt Ion:112 Resp: 176902

Ion Ratio Lower Upper

112 100

77 57.1 44.6 66.8

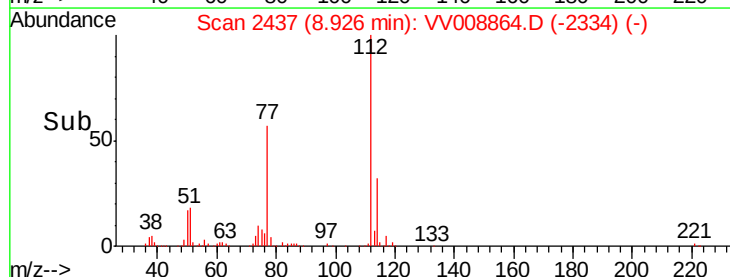
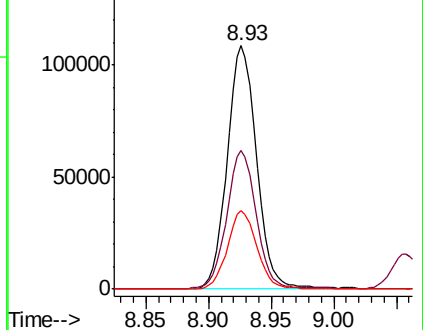
114 32.2 22.6 42.0

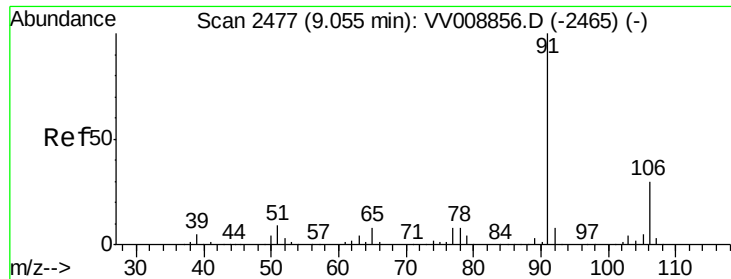


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 25.899 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

Instrument :

MSVOA_V

ClientSampleId :

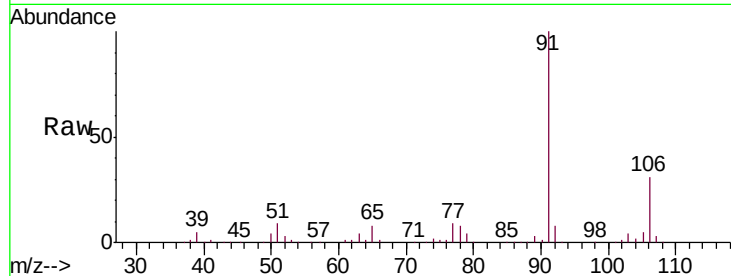
BFB57

Tgt Ion: 91 Resp: 292455

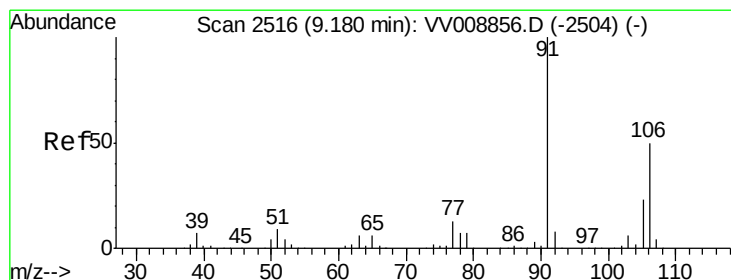
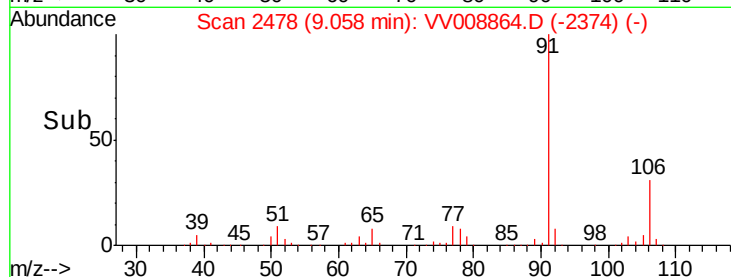
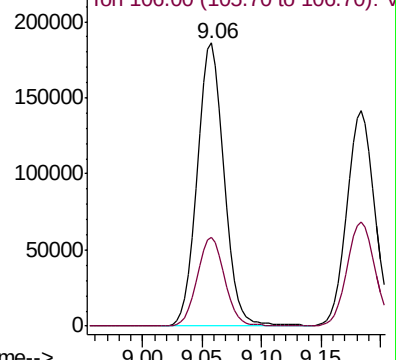
Ion Ratio Lower Upper

91 100

106 31.3 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV008856.D (-2465) (-)



#54

m,p-Xylene

Concen: 26.591 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008864.D

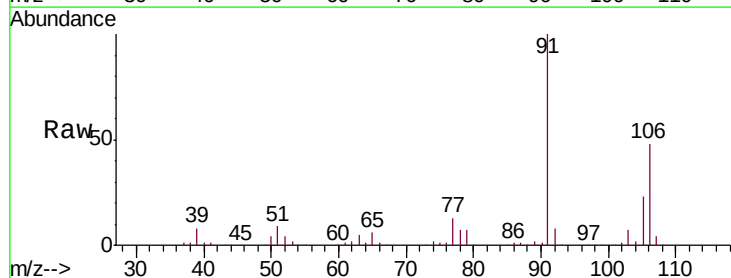
Acq: 06 Dec 2018 18:53

Tgt Ion: 106 Resp: 113694

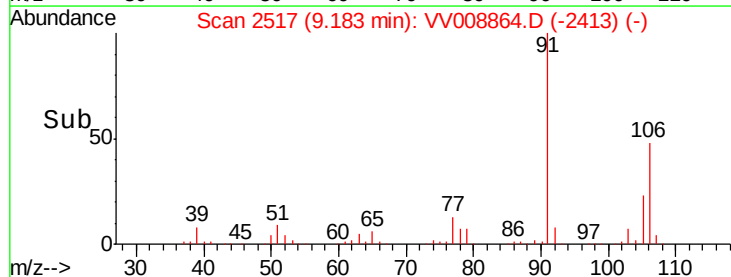
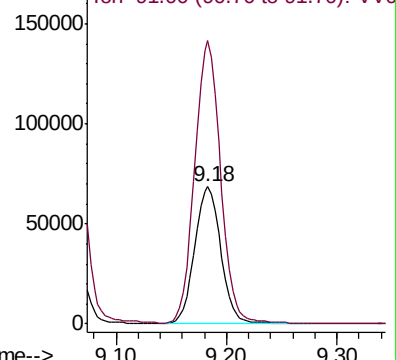
Ion Ratio Lower Upper

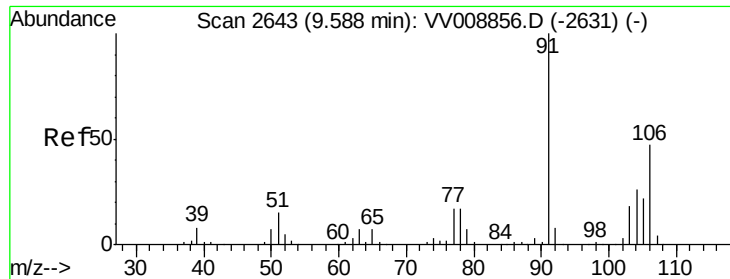
106 100

91 206.7 141.3 262.3



Abundance Ion 106.00 (105.70 to 106.70): VV008856.D (-2504) (-)





#55

o-xylene

Concen: 26.521 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

Instrument :

MSVOA_V

ClientSampled :

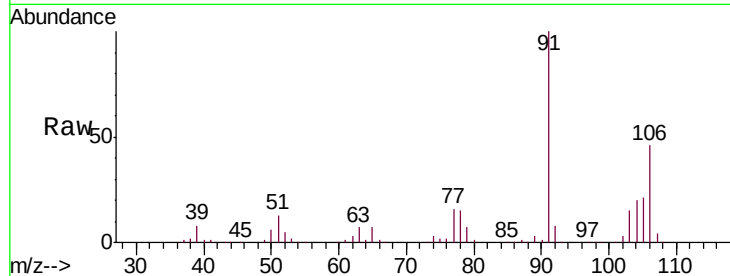
BFB57

Tgt Ion:106 Resp: 105359

Ion Ratio Lower Upper

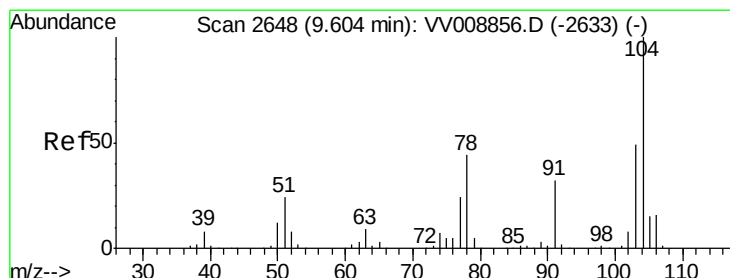
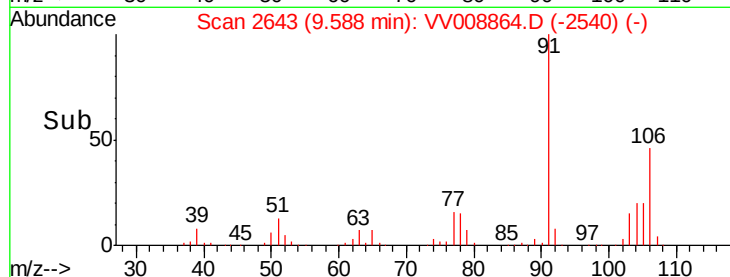
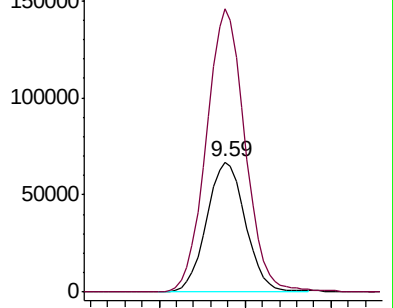
106 100

91 217.8 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 27.580 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV008864.D

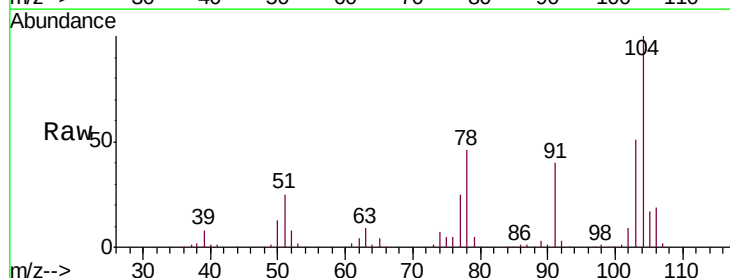
Acq: 06 Dec 2018 18:53

Tgt Ion:104 Resp: 176748

Ion Ratio Lower Upper

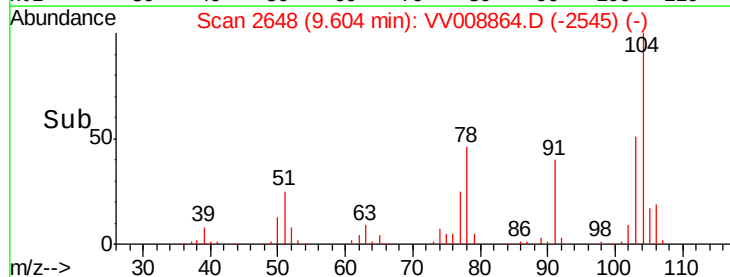
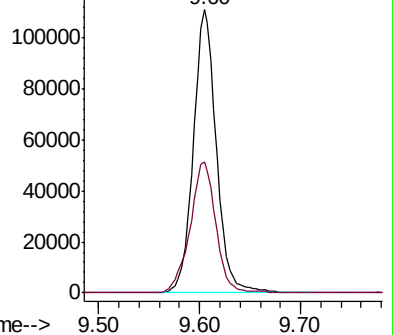
104 100

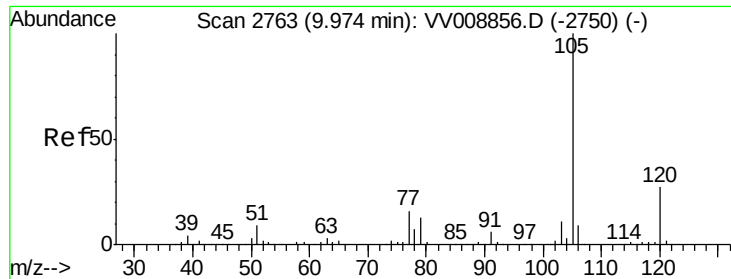
78 46.2 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 26.909 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

Instrument :

MSVOA_V

ClientSampleId :

BFB57

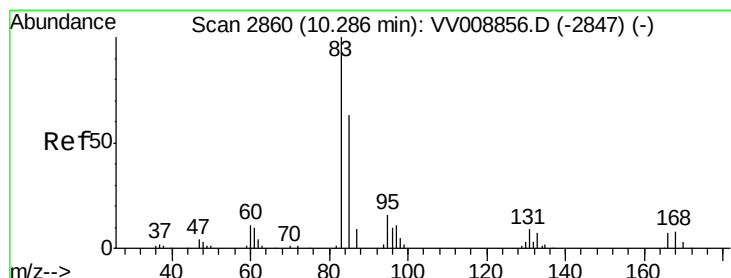
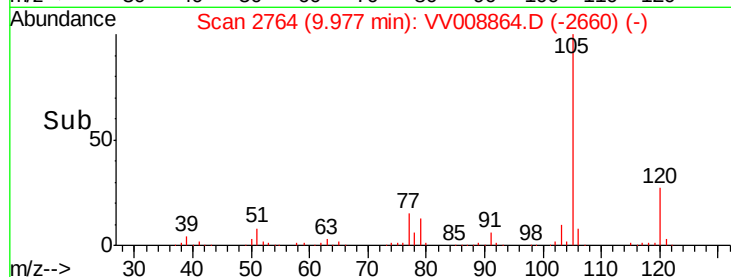
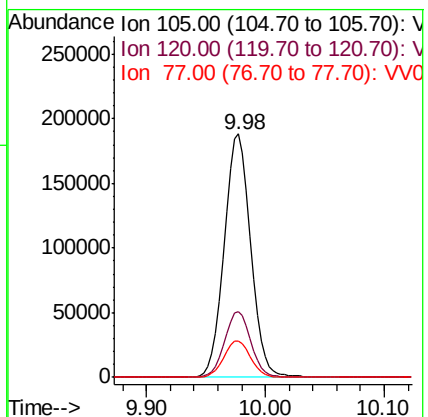
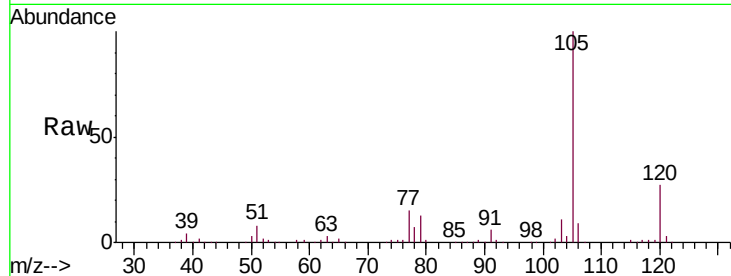
Tgt Ion:105 Resp: 290540

Ion Ratio Lower Upper

105 100

120 26.8 21.7 32.5

77 15.4 12.4 18.6



#58

1,1,2,2-Tetrachloroethane

Concen: 29.335 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

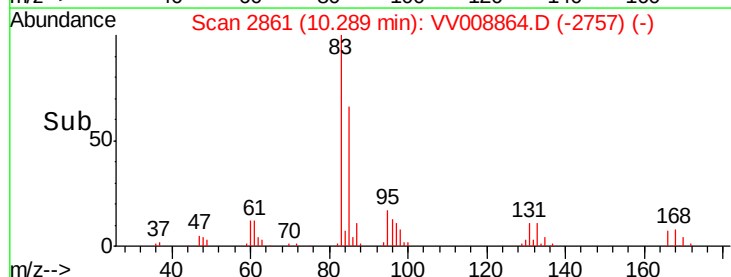
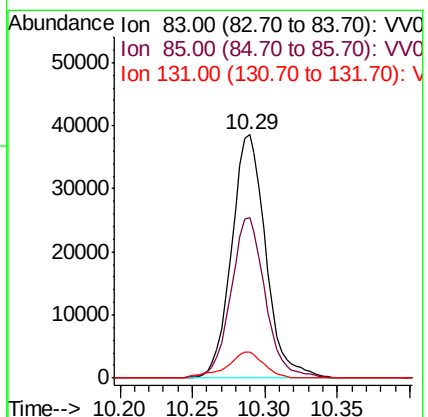
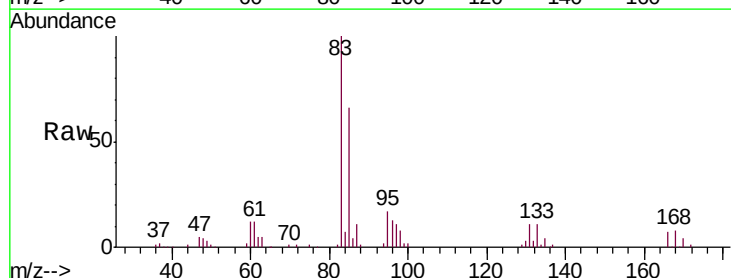
Tgt Ion: 83 Resp: 62945

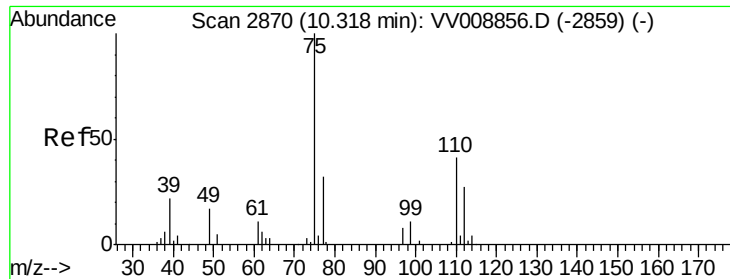
Ion Ratio Lower Upper

83 100

85 66.1 44.3 82.3

131 10.7 7.8 11.8





#59

1,2,3-Trichloropropane

Concen: 28.884 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

Instrument :

MSVOA_V

ClientSampleId :

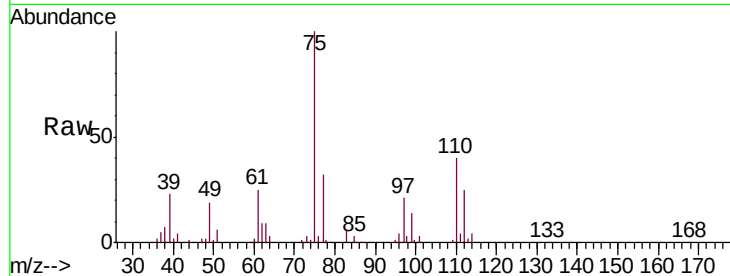
BFB57

Tgt Ion: 75 Resp: 53627

Ion Ratio Lower Upper

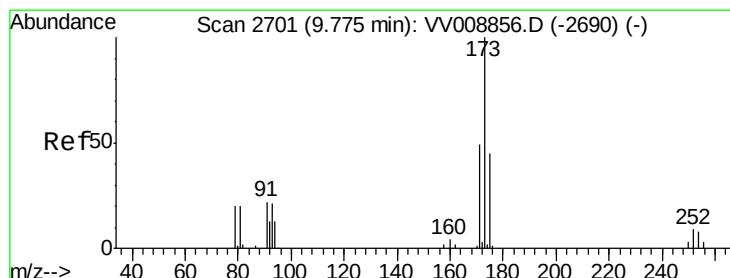
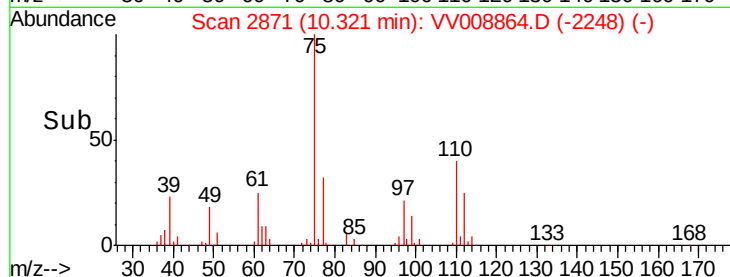
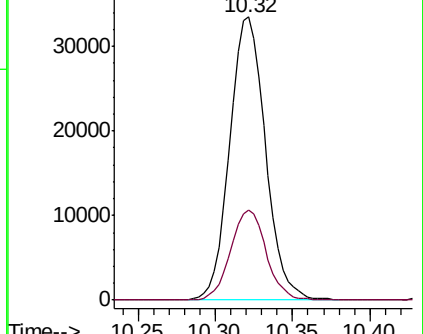
75 100

77 31.6 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV008856.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV008856.D (-2859) (-)



#62

Bromoform

Concen: 26.596 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

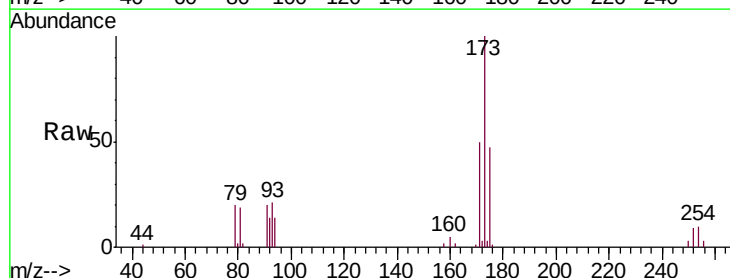
Tgt Ion: 173 Resp: 37186

Ion Ratio Lower Upper

173 100

175 48.2 37.7 56.5

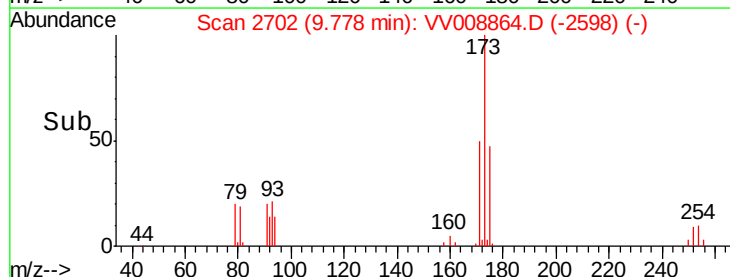
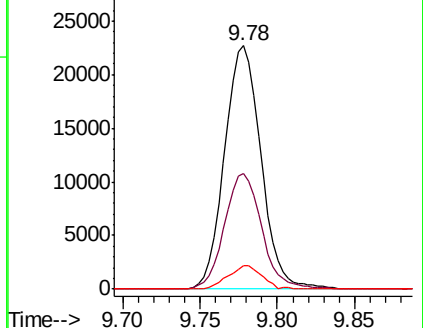
254 8.6 7.1 10.7

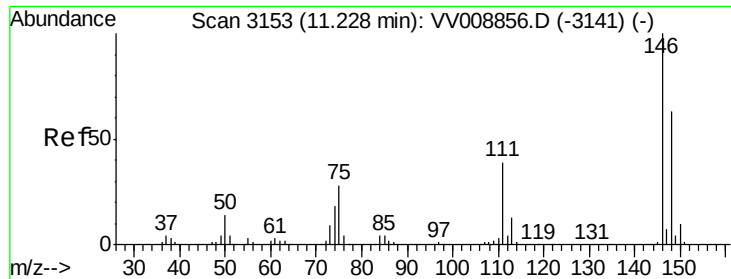


Abundance Ion 173.00 (172.70 to 173.70): VV008856.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV008856.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV008856.D (-2690) (-)

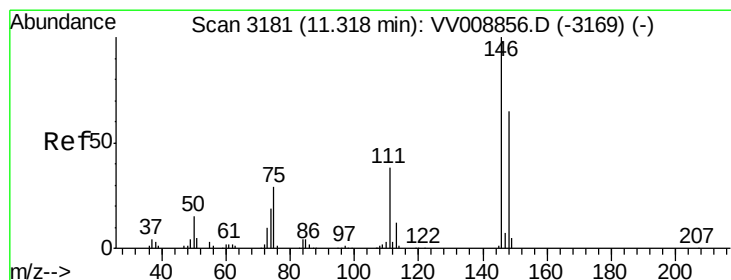
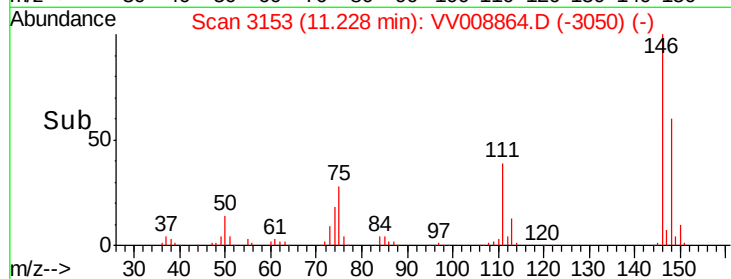
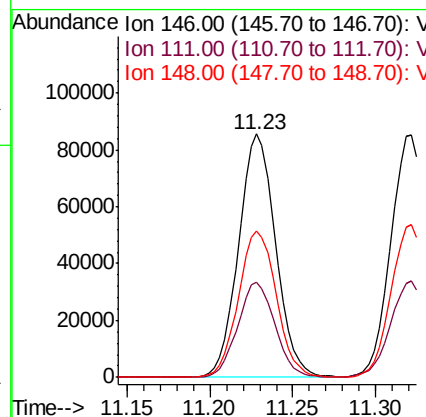
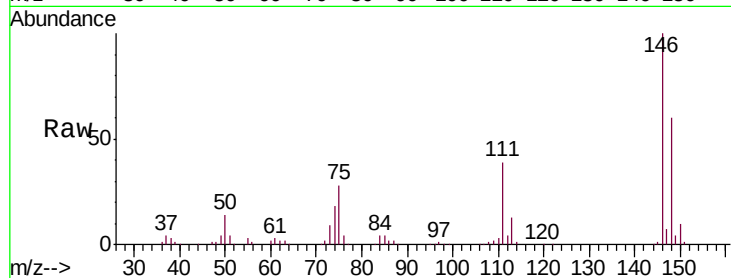




#63
 1,3-Dichlorobenzene
 Concen: 26.707 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV008864.D
 Acq: 06 Dec 2018 18:53

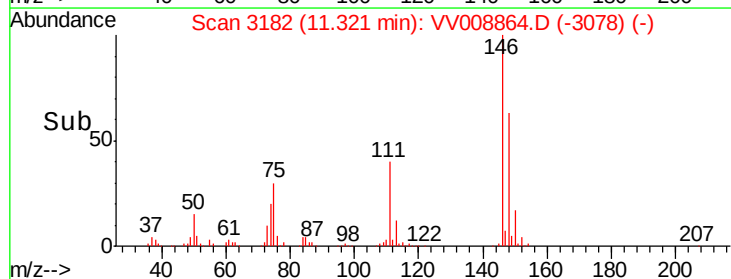
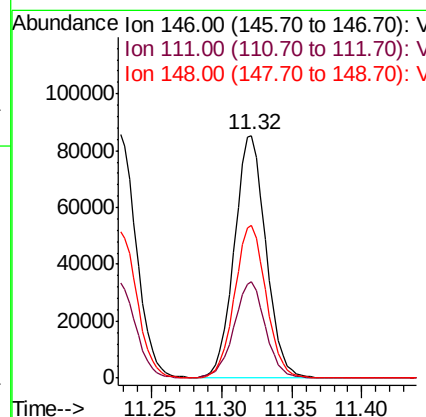
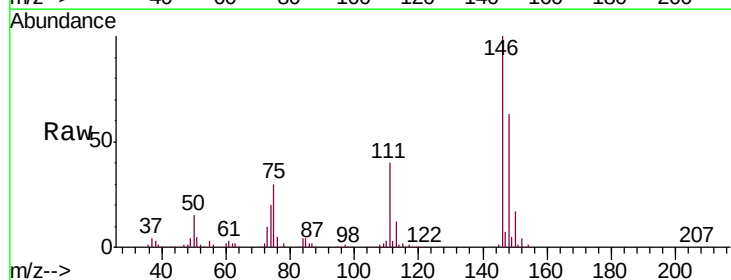
Instrument :
 MSVOA_V
 ClientSampled :
 BFB57

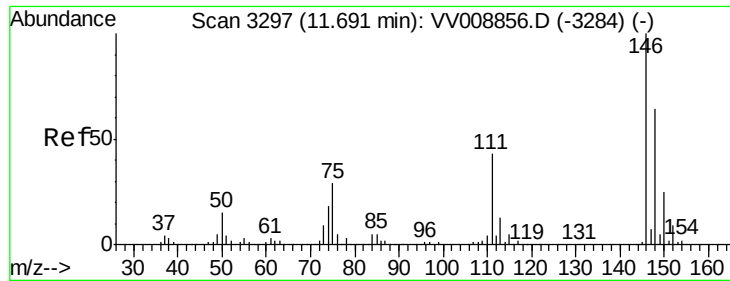
Tgt Ion:146 Resp: 133269
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.5 51.1
 148 60.1 44.0 81.8



#64
 1,4-Dichlorobenzene
 Concen: 26.056 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008864.D
 Acq: 06 Dec 2018 18:53

Tgt Ion:146 Resp: 133800
 Ion Ratio Lower Upper
 146 100
 111 39.7 26.8 49.8
 148 62.8 45.8 85.0





#65

1,2-Dichlorobenzene

Concen: 26.904 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

Instrument :

MSVOA_V

ClientSampleId :

BFB57

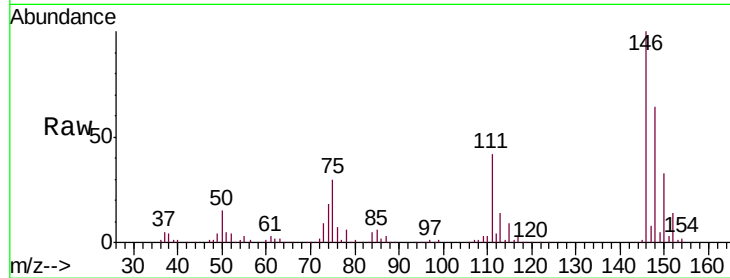
Tgt Ion: 146 Resp: 123766

Ion Ratio Lower Upper

146 100

111 42.3 34.2 51.4

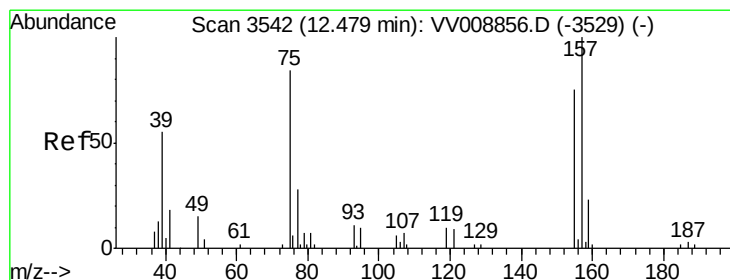
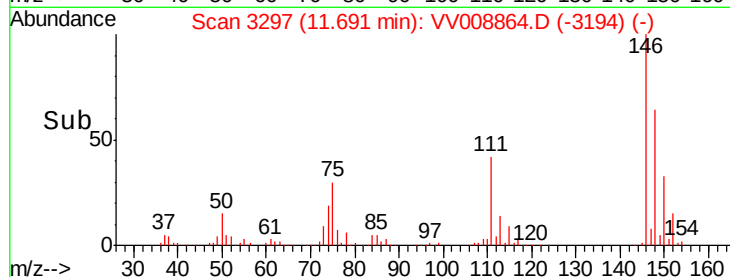
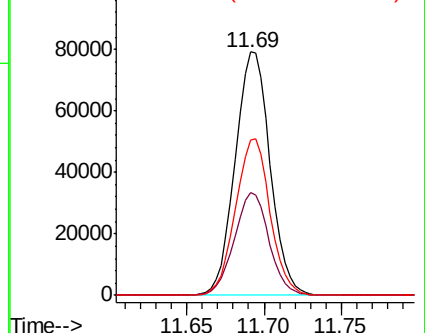
148 63.6 51.0 76.6



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



#66

1,2-Dibromo-3-chloropropane

Concen: 28.037 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

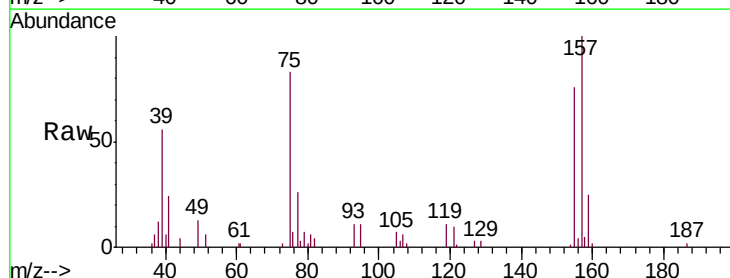
Tgt Ion: 75 Resp: 10567

Ion Ratio Lower Upper

75 100

157 120.4 95.8 143.6

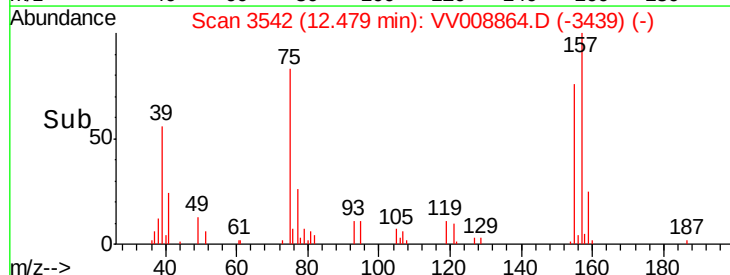
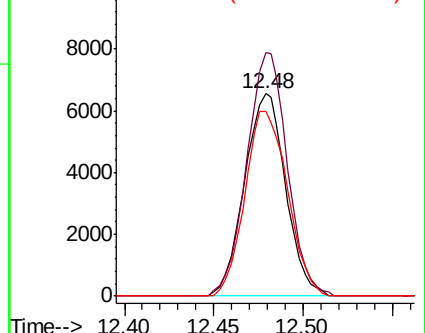
155 91.3 71.4 107.2

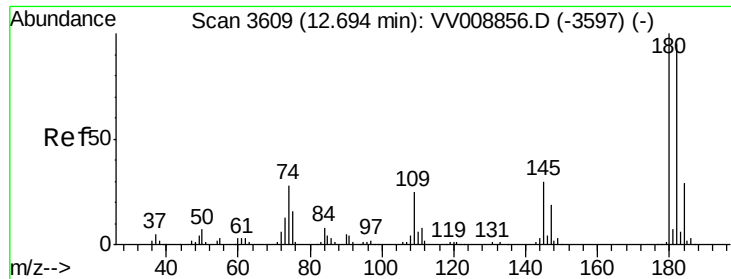


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

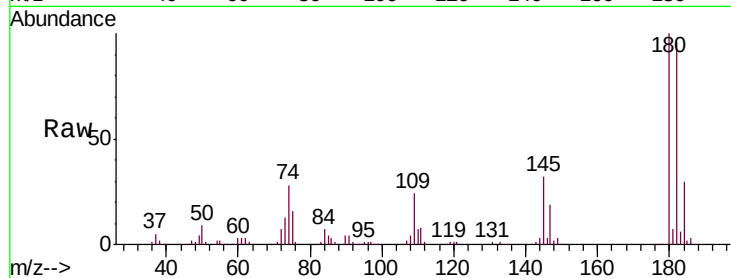




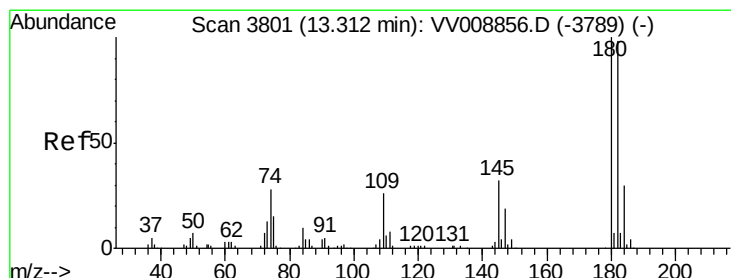
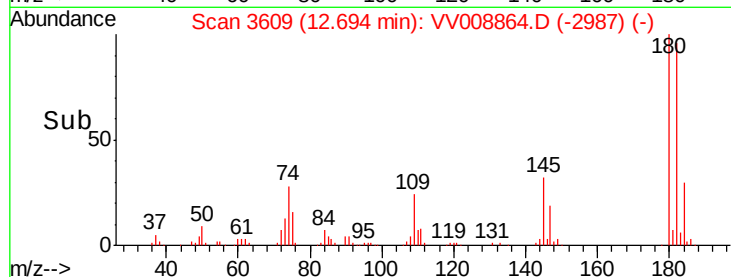
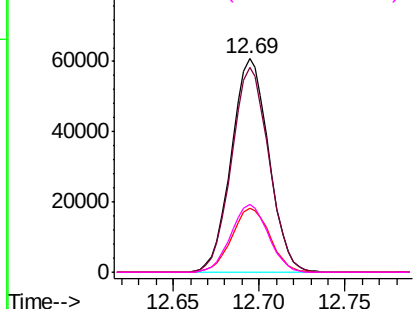
#67
 1,3,5-Trichlorobenzene
 Concen: 25.651 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV008864.D
 Acq: 06 Dec 2018 18:53

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB57

Tgt Ion:	180	Resp:	92452
Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.9	113.9
184	30.5	23.8	35.6
145	31.7	24.2	36.4

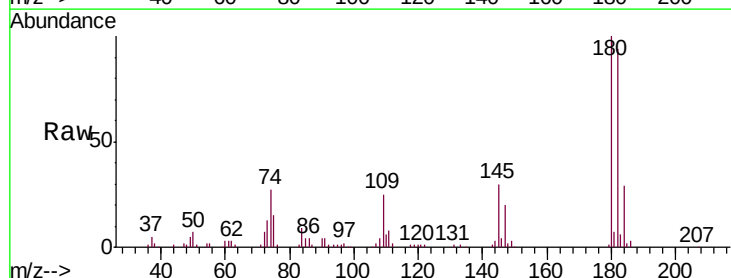


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

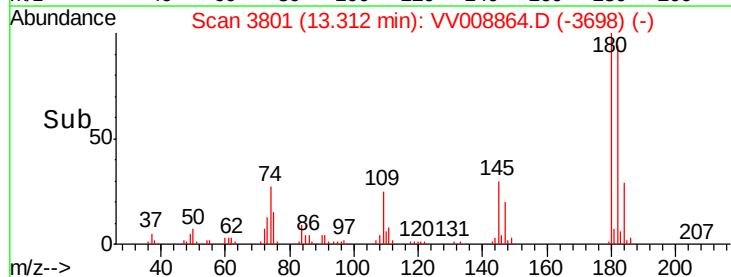
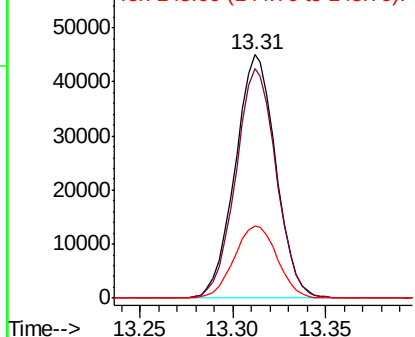


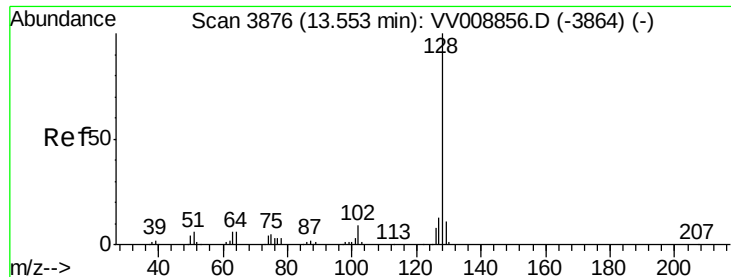
#68
 1,2,4-trichlorobenzene
 Concen: 27.086 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV008864.D
 Acq: 06 Dec 2018 18:53

Tgt Ion:	180	Resp:	68405
Ion	Ratio	Lower	Upper
180	100		
182	93.8	77.4	116.0
145	31.1	25.6	38.4



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: 27.228 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

Instrument :

MSVOA_V

ClientSampleId :

BFB57

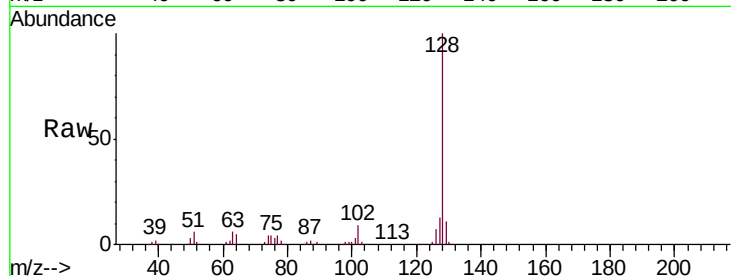
Tgt Ion:128 Resp: 118438

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

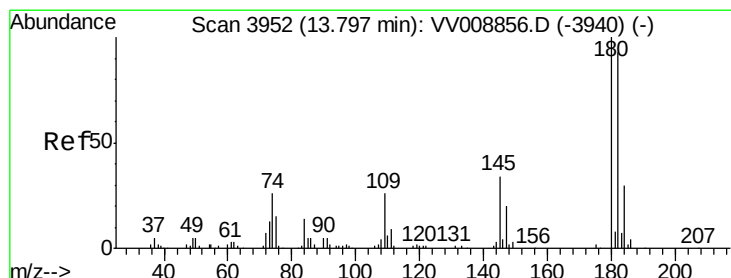
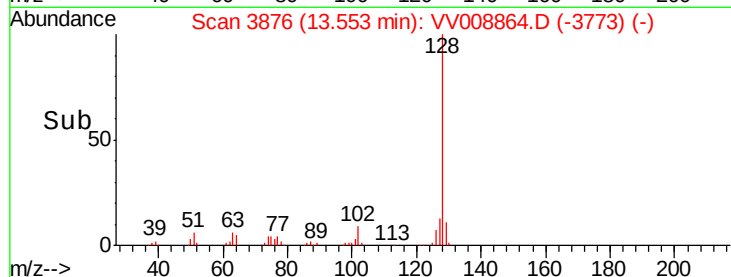
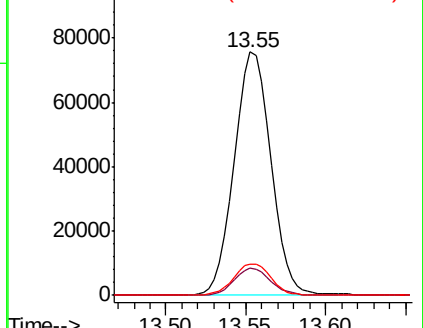
127 13.1 10.0 15.0



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: 27.658 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV008864.D

Acq: 06 Dec 2018 18:53

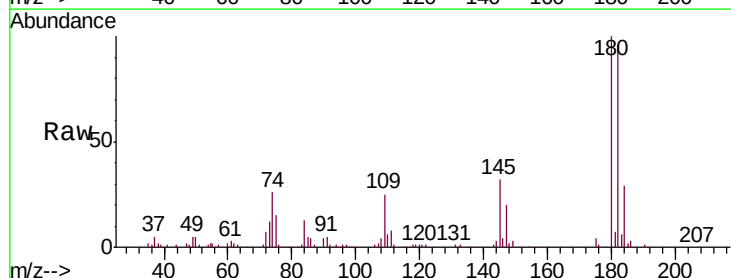
Tgt Ion:180 Resp: 64525

Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 32.4 26.7 40.1



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

