

Data File : VV008356.D
Acq On : 19 Oct 2018 09:45
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB89

Quant Time: Oct 20 02:48:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 19 05:24:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	117960	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	107616	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	46735	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40785	6.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	122.40%
7) Chloroethane-d5	1.59	69	28855	5.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.60%
11) 1,1-Dichloroethene-d2	2.13	63	77795	6.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	121.60%
20) 2-Butanone-d5	3.98	46	106671	47.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.42%
24) Chloroform-d	4.40	84	74589	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.09	65	37565	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.10	84	160828	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	6.12	67	52493	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.36	98	152176	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
43) trans-1,3-Dichloropropene-	7.67	79	19910	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.14	63	78494	51.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.76%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	32321	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	45679	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	46064	5.072 ug/L	100
3) Chloromethane	1.25	50	48022	5.180 ug/L	97
5) Vinyl chloride	1.32	62	47510	5.413 ug/L	99
6) Bromomethane	1.54	94	21145	4.210 ug/L	99
8) Chloroethane	1.60	64	26218	5.747 ug/L	98
9) Trichlorofluoromethane	1.77	101	63561	5.956 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	36390	5.975 ug/L	98
12) 1,1-Dichloroethene	2.14	96	32088	5.663 ug/L	95
13) Acetone	2.23	43	68624	56.724 ug/L	91
14) Carbon disulfide	2.32	76	108550	5.568 ug/L	100
15) Methyl Acetate	2.47	43	14954	4.969 ug/L #	89
16) Methylene chloride	2.54	84	34736	5.296 ug/L	97
17) Methyl tert-butyl Ether	2.82	73	90274	5.608 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	34763	5.702 ug/L	96
19) 1,1-Dichloroethane	3.23	63	72241	5.735 ug/L	95
21) 2-Butanone	4.06	43	116141	46.234 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	47394	4.815 ug/L #	99

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	17504	4.796	ug/L	96
25) Chloroform	4.43	83	77527	5.022	ug/L	97
27) 1,2-Dichloroethane	5.18	62	47253	5.148	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	66582	4.968	ug/L	100
30) Cyclohexane	4.72	56	81319	4.827	ug/L	100
31) Carbon tetrachloride	4.87	117	56331	4.999	ug/L	99
33) Benzene	5.15	78	179327	4.945	ug/L	100
34) Trichloroethene	5.96	95	51502	5.125	ug/L	97
35) Methylcyclohexane	6.17	83	85739	5.059	ug/L	96
37) 1,2-Dichloropropane	6.23	63	48993	5.007	ug/L	99
38) Bromodichloromethane	6.56	83	54584	4.966	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	68453	4.903	ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	285296	47.608	ug/L	99
42) Toluene	7.43	91	192170	5.084	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	53800	4.815	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	29449	4.848	ug/L	99
47) Tetrachloroethene	8.02	164	31917	5.069	ug/L	97
48) 2-Hexanone	8.19	43	214931	49.072	ug/L	99
49) Dibromochloromethane	8.29	129	34498	4.982	ug/L	99
50) 1,2-Dibromoethane	8.40	107	27975	4.914	ug/L #	91
51) Chlorobenzene	8.93	112	115473	5.142	ug/L	97
52) Ethylbenzene	9.06	91	214769	5.167	ug/L	98
53) m,p-xylene	9.18	106	77738	5.171	ug/L	100
54) o-xylene	9.59	106	76642	5.117	ug/L	96
55) Styrene	9.60	104	126051	5.231	ug/L	98
56) Isopropylbenzene	9.98	105	205938	5.217	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	31969	4.625	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	27144	4.958	ug/L	96
61) Bromoform	9.78	173	16285	4.766	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	82097	5.190	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	80549	5.143	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	77443	5.107	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	4760	4.161	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	54830	5.357	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	39711	5.450	ug/L	99
69) Naphthalene	13.56	128	63193	4.653	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	37430	5.175	ug/L	99

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

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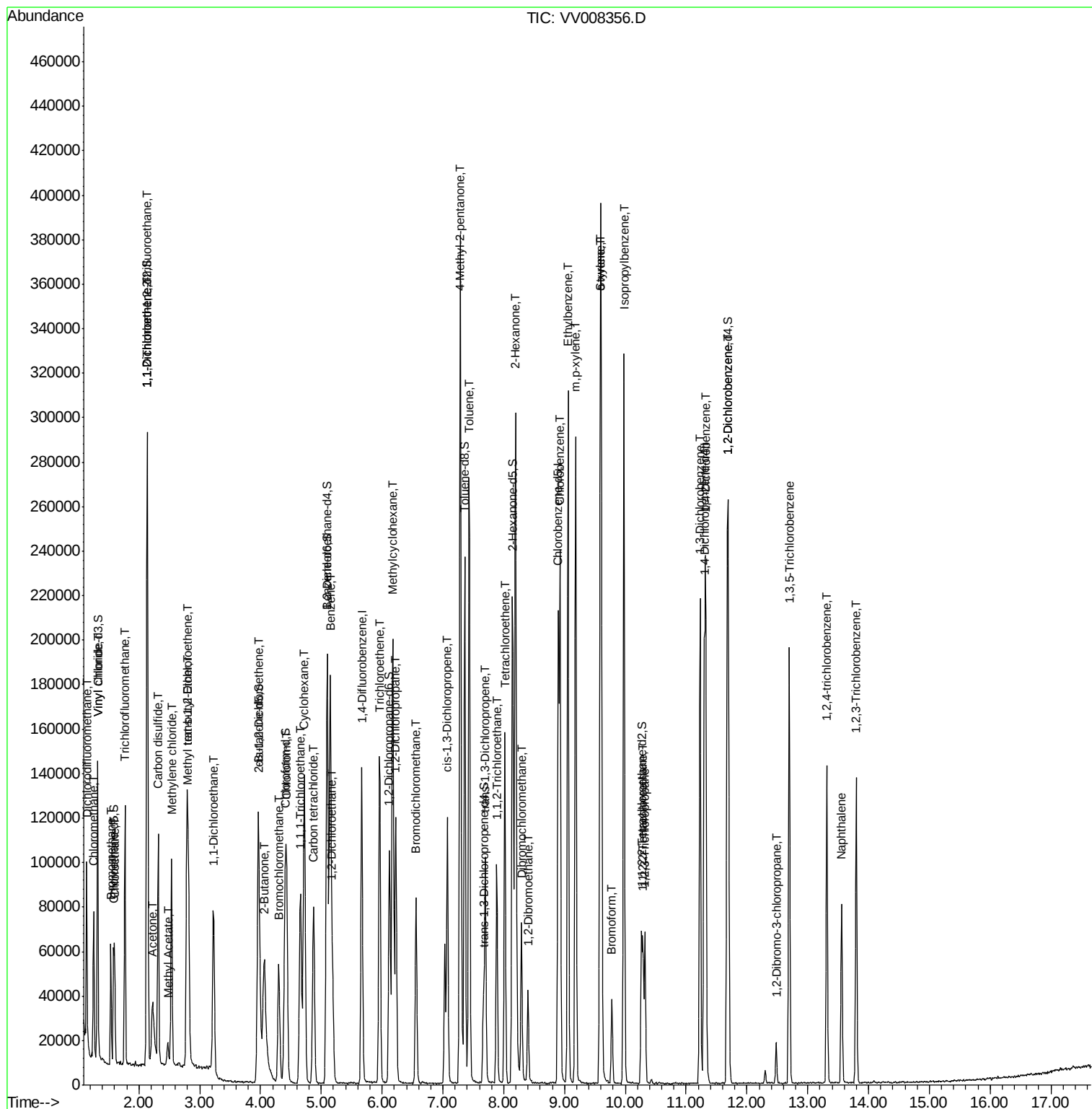
Quant Time: Oct 20 02:48:15 2018

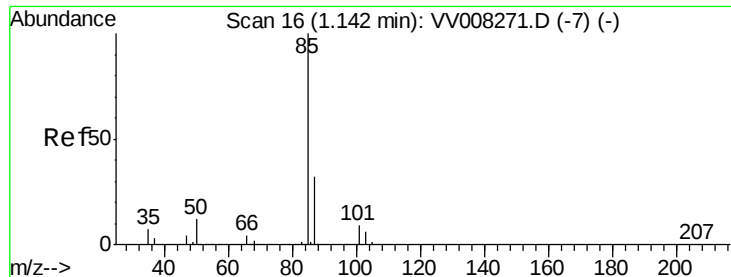
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR101518WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 5.072 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

Instrument :

MSVOA_V

ClientSampleId :

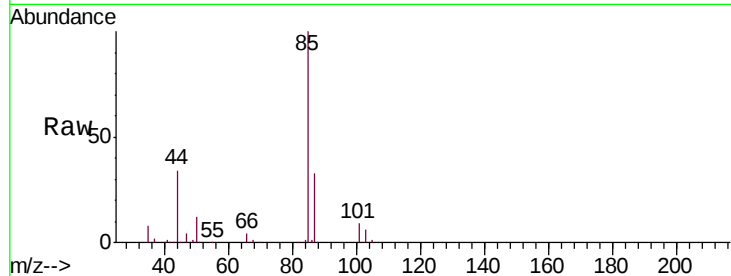
BFB89

Tgt Ion: 85 Resp: 46064

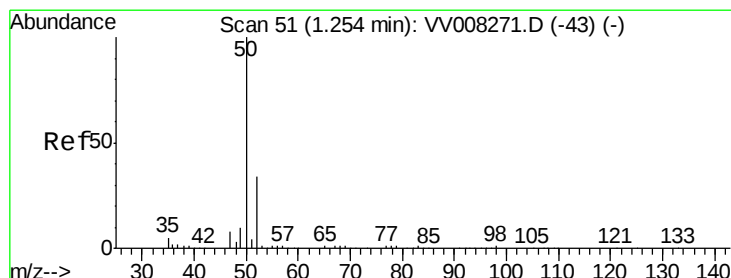
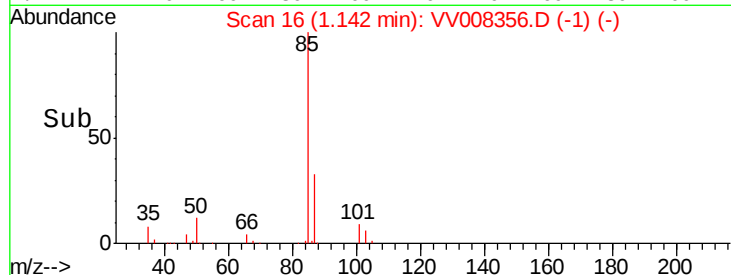
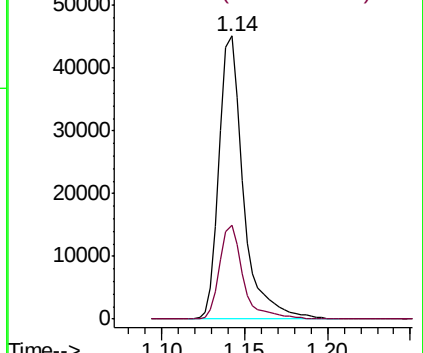
Ion Ratio Lower Upper

85 100

87 32.2 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV008271.D (-7) (-)



#3

Chloromethane

Concen: 5.180 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008356.D

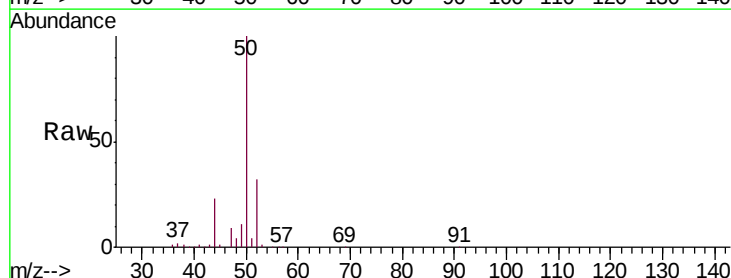
Acq: 19 Oct 2018 09:45

Tgt Ion: 50 Resp: 48022

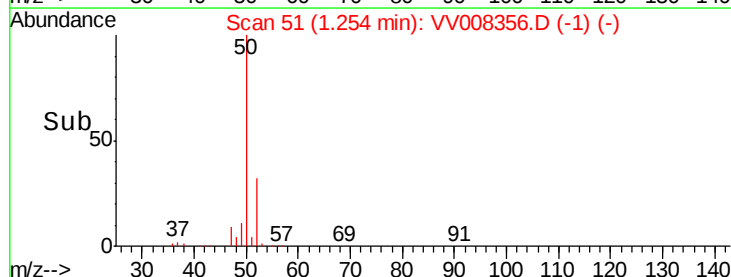
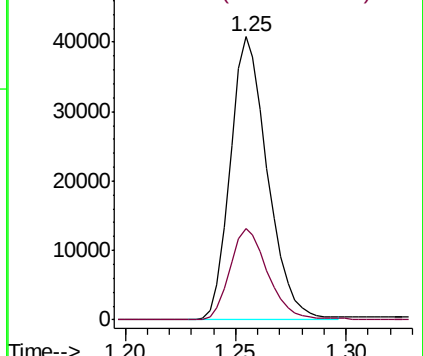
Ion Ratio Lower Upper

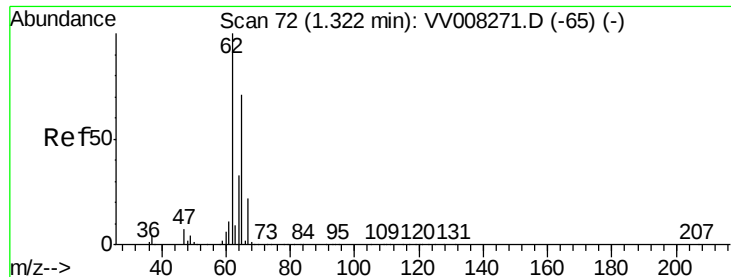
50 100

52 32.2 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VV008271.D (-43) (-)





#5

Vinyl chloride

Concen: 5.413 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

Instrument :

MSVOA_V

ClientSampleId :

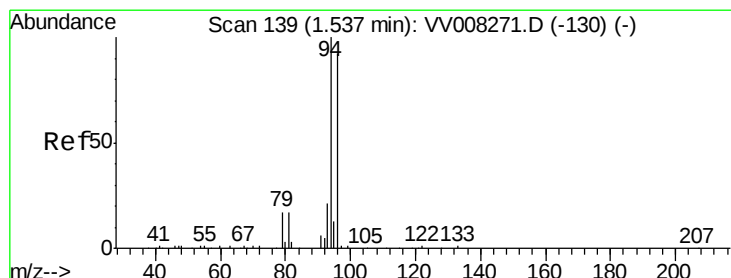
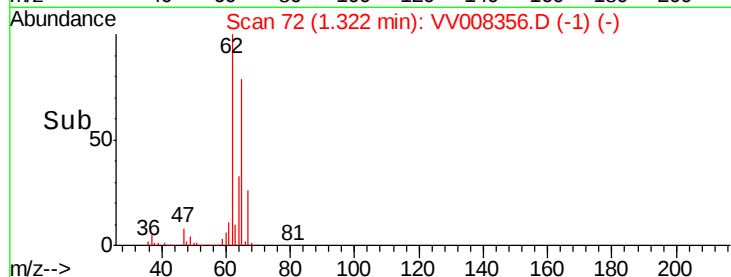
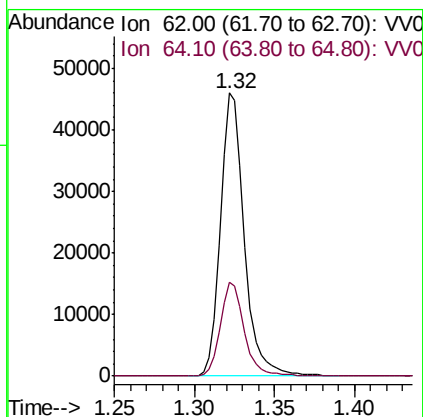
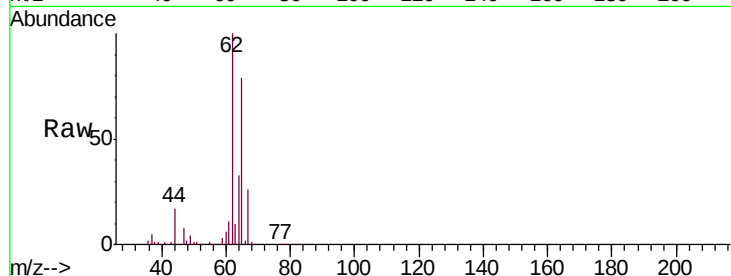
BFB89

Tgt Ion: 62 Resp: 47510

Ion Ratio Lower Upper

62 100

64 33.1 22.9 42.5



#6

Bromomethane

Concen: 4.210 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV008356.D

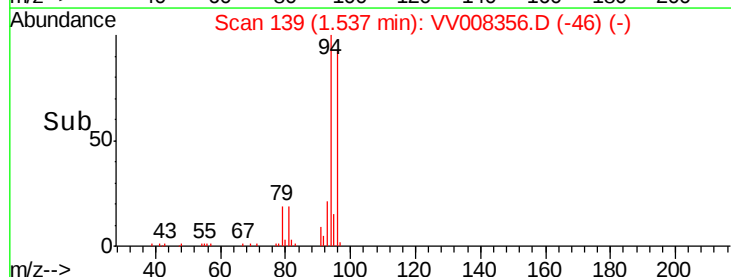
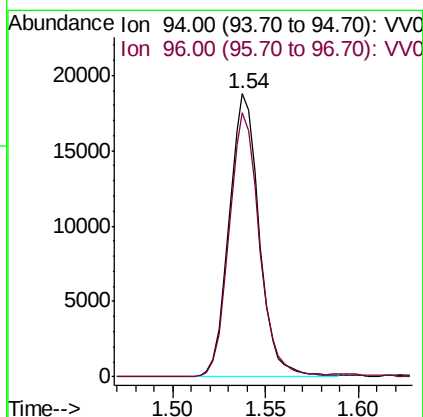
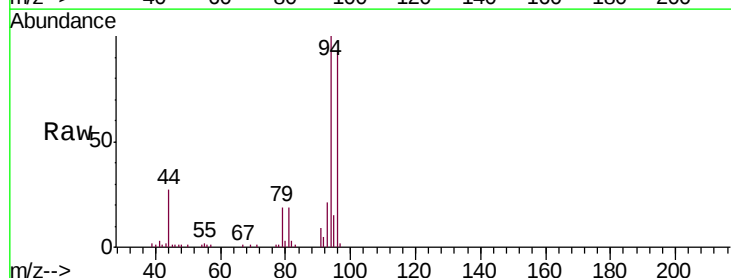
Acq: 19 Oct 2018 09:45

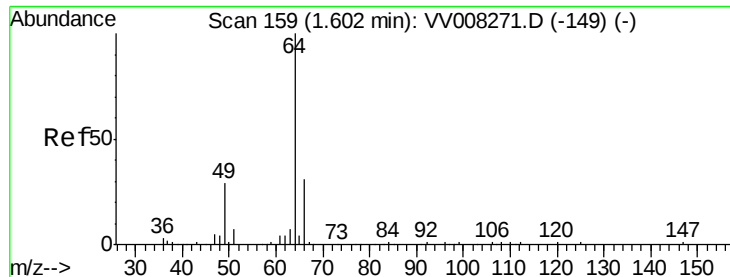
Tgt Ion: 94 Resp: 21145

Ion Ratio Lower Upper

94 100

96 93.5 65.0 120.8





#8

Chloroethane

Concen: 5.747 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

Instrument :

MSVOA_V

ClientSampleId :

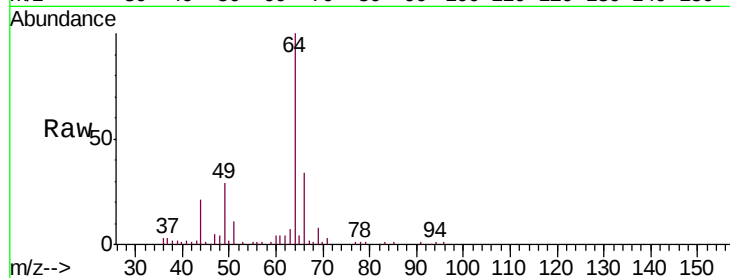
BFB89

Tgt Ion: 64 Resp: 26218

Ion Ratio Lower Upper

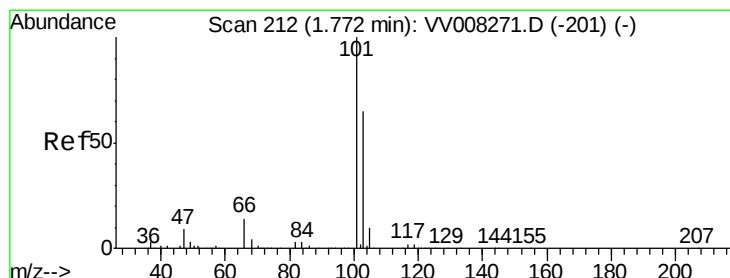
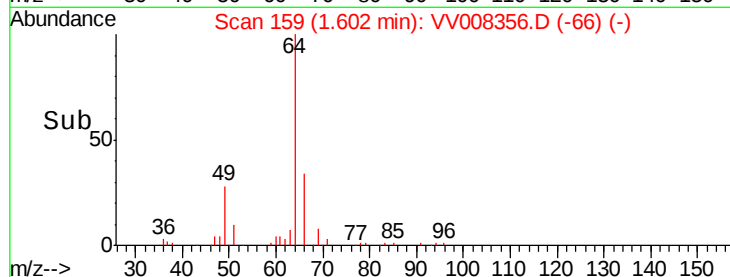
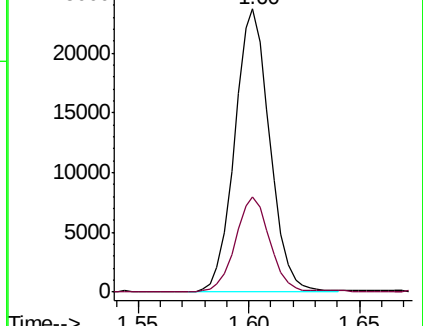
64 100

66 33.5 22.5 41.9



Abundance Ion 64.10 (63.80 to 64.80): VV008271.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV008271.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 5.956 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV008356.D

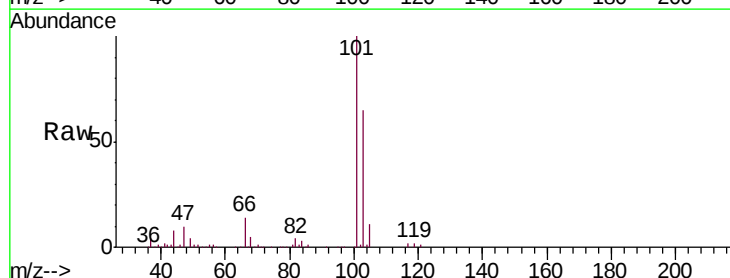
Acq: 19 Oct 2018 09:45

Tgt Ion: 101 Resp: 63561

Ion Ratio Lower Upper

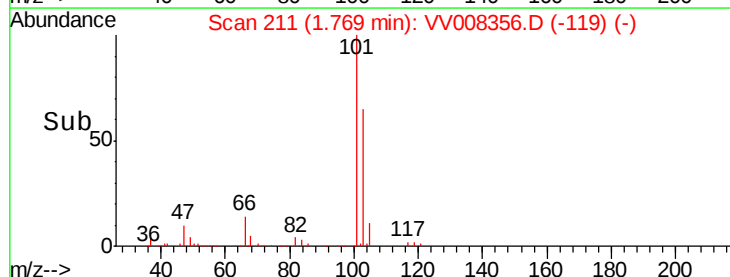
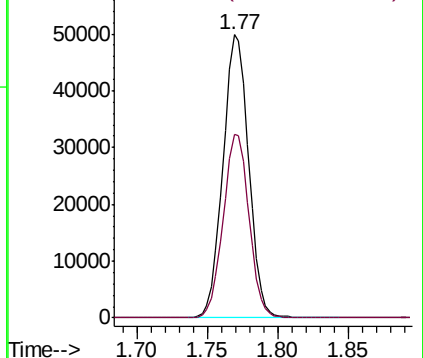
101 100

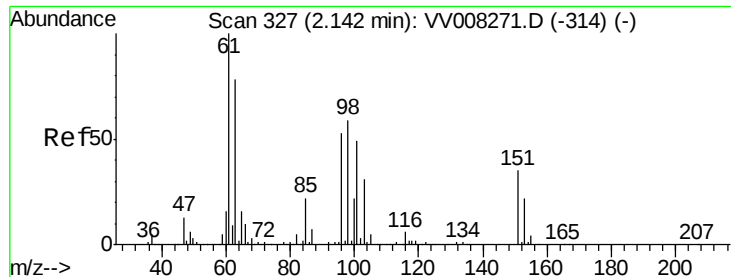
103 65.2 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV008271.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV008271.D (-201) (-)





#10

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

Concen: 5.975 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

Instrument :

MSVOA_V

ClientSampleId :

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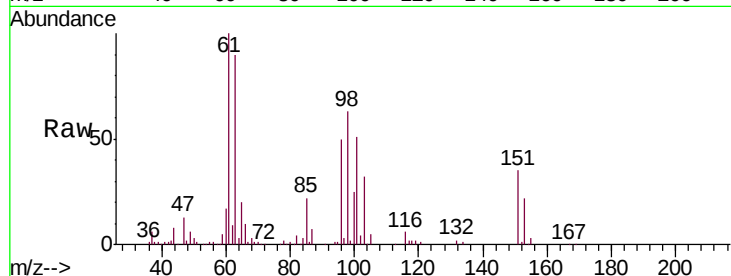
Tgt Ion: 101 Resp: 36390

Ion Ratio Lower Upper

101 100

85 46.4 37.4 56.2

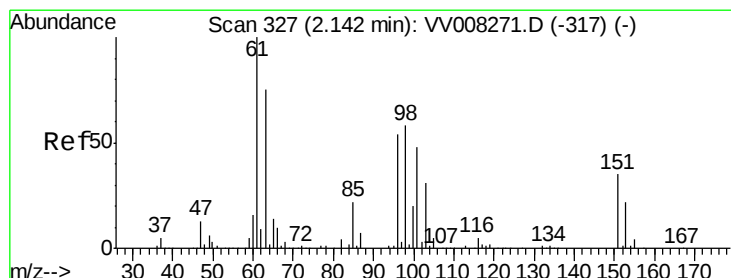
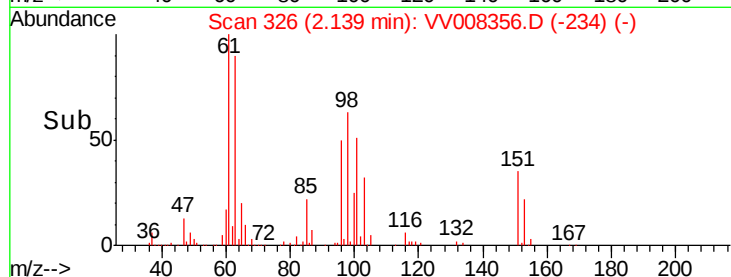
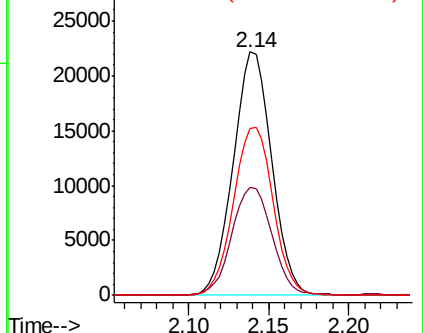
151 70.9 59.0 88.6



Abundance Ion 101.00 (100.70 to 101.70): VV008271.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV008271.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV008271.D (-314) (-)



#12

1,1-Dichloroethene

Concen: 5.663 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

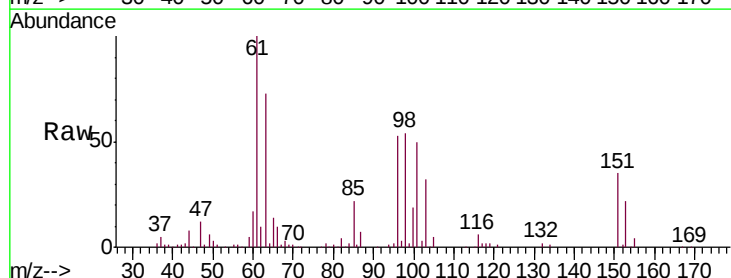
Tgt Ion: 96 Resp: 32088

Ion Ratio Lower Upper

96 100

61 188.5 129.9 241.3

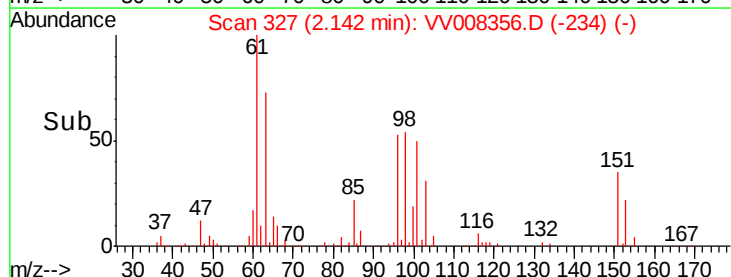
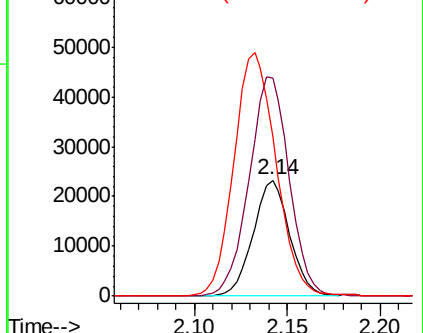
63 137.0 103.0 191.4

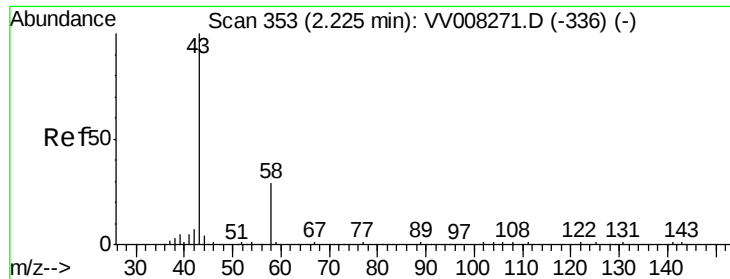


Abundance Ion 96.00 (95.70 to 96.70): VV008271.D (-317) (-)

Ion 61.05 (60.75 to 61.75): VV008271.D (-317) (-)

Ion 63.00 (62.70 to 63.70): VV008271.D (-317) (-)





#13

Acetone

Concen: 56.724 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

Instrument :

MSVOA_V

ClientSampleId :

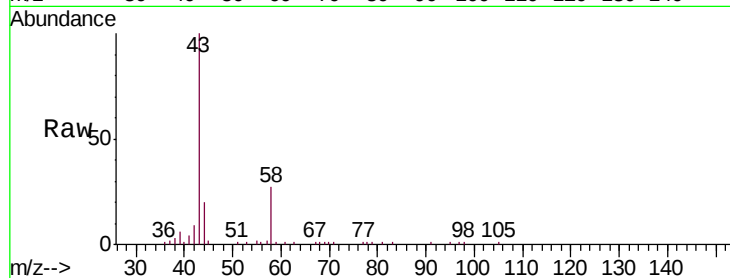
BFB89

Tgt Ion: 43 Resp: 68624

Ion Ratio Lower Upper

43 100

58 26.0 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV008271.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV008271.D (-336) (-)

2.23

20000

15000

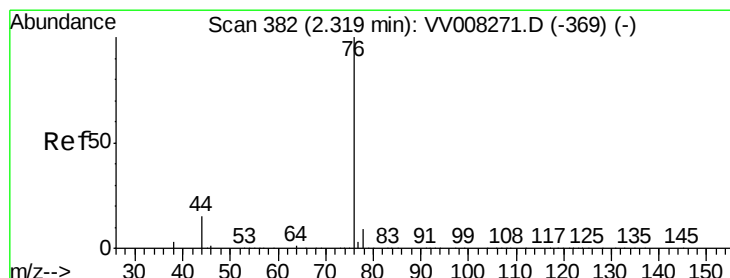
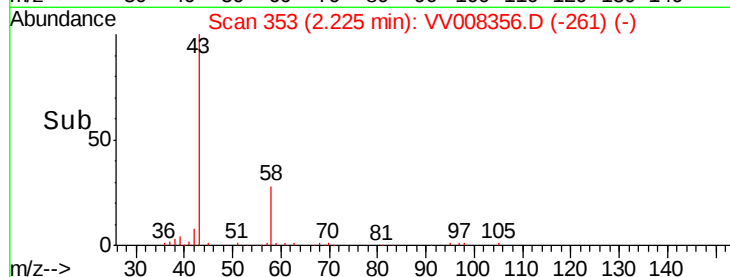
10000

5000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 5.568 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008356.D

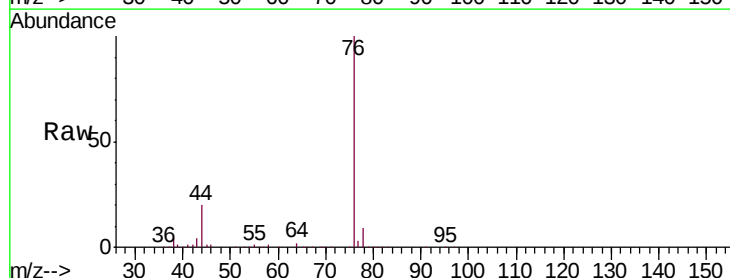
Acq: 19 Oct 2018 09:45

Tgt Ion: 76 Resp: 108550

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV008271.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV008271.D (-369) (-)

2.32

80000

60000

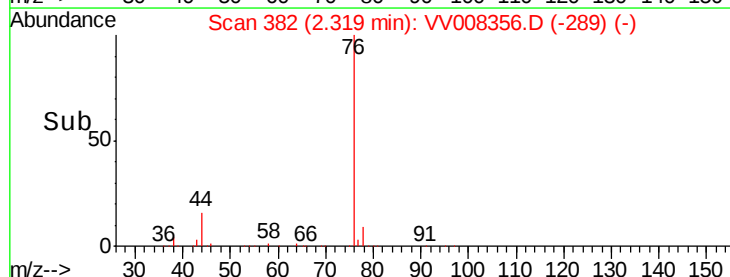
40000

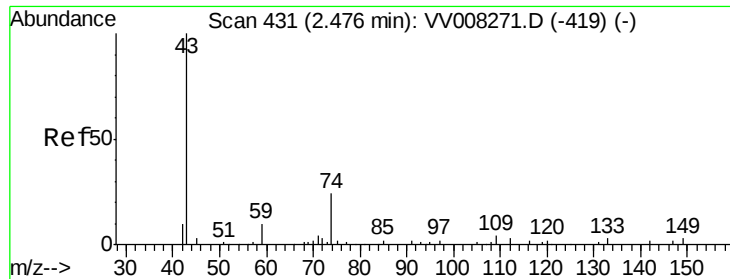
20000

0

Time-->

2.25 2.30 2.35 2.40

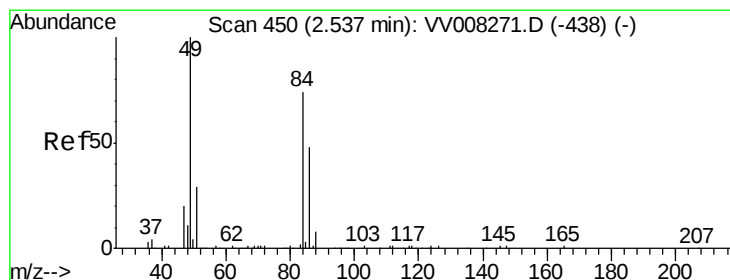
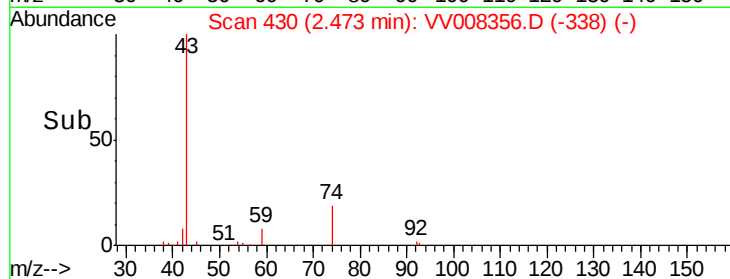
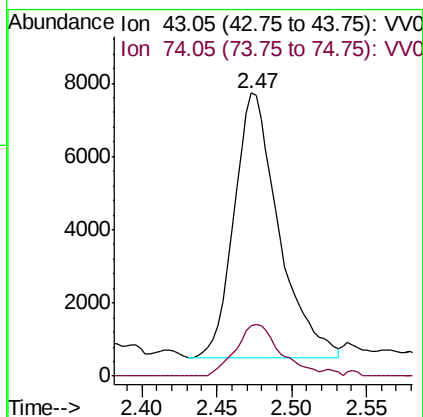
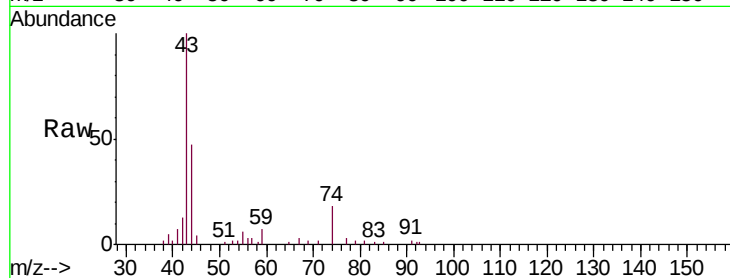




#15
Methyl Acetate
Concen: 4.969 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV008356.D
Acq: 19 Oct 2018 09:45

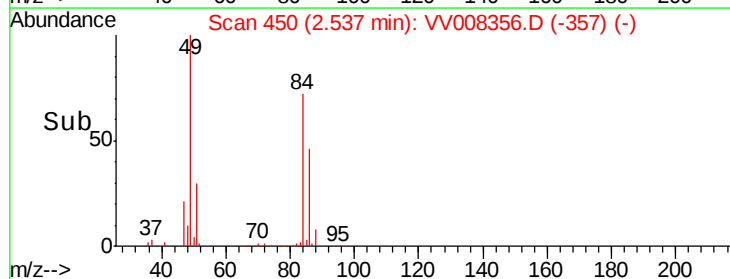
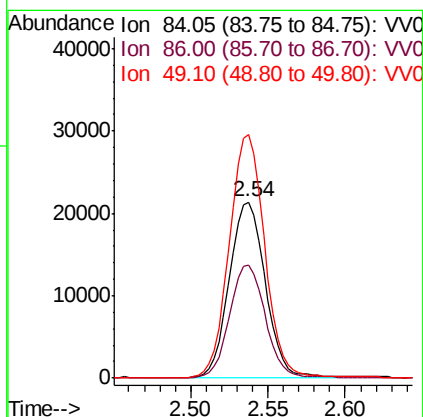
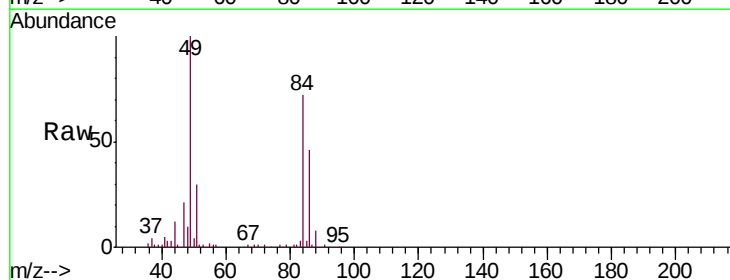
Instrument :
MSVOA_V
ClientSampleId :
BFB89

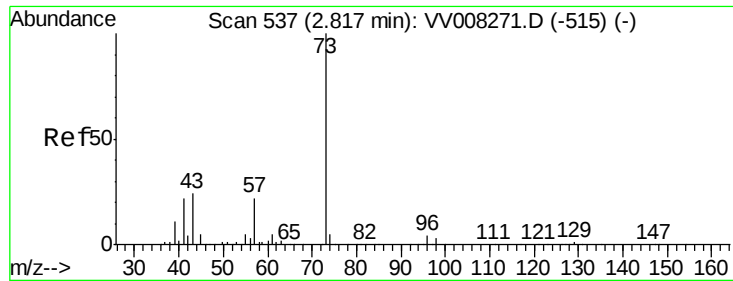
Tgt Ion: 43 Resp: 14954
Ion Ratio Lower Upper
43 100
74 19.5 20.0 30.0#



#16
Methylene chloride
Concen: 5.296 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV008356.D
Acq: 19 Oct 2018 09:45

Tgt Ion: 84 Resp: 34736
Ion Ratio Lower Upper
84 100
86 64.0 45.0 83.6
49 138.4 92.9 172.5

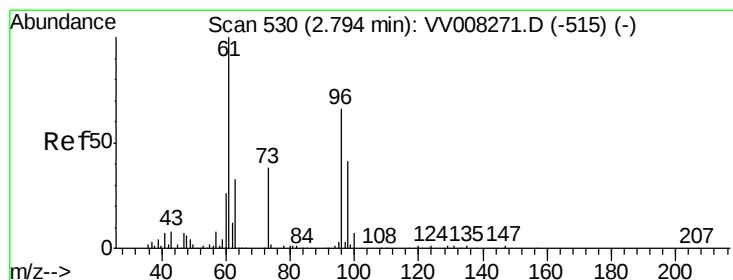
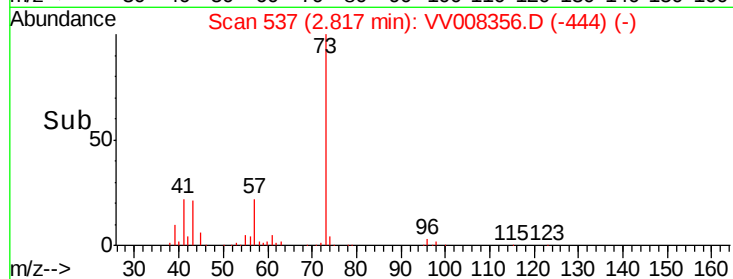
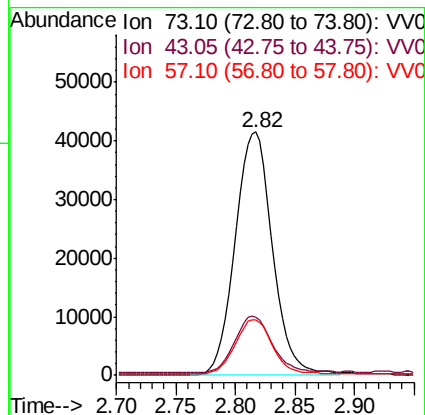
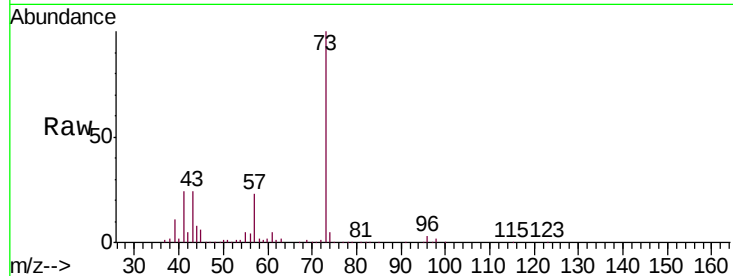




#17
Methyl tert-butyl Ether
Concen: 5.608 ug/L
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VV008356.D
Acq: 19 Oct 2018 09:45

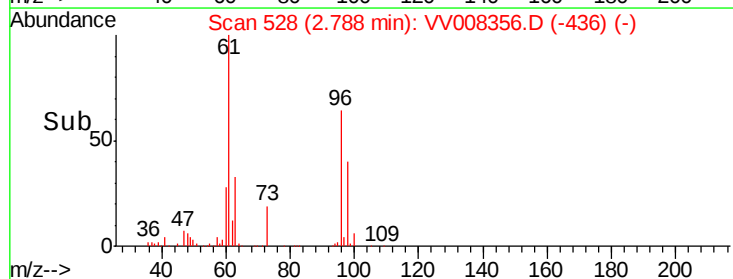
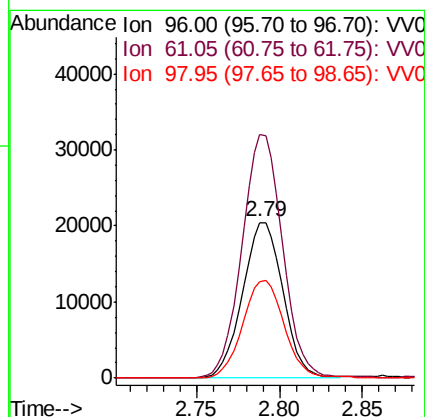
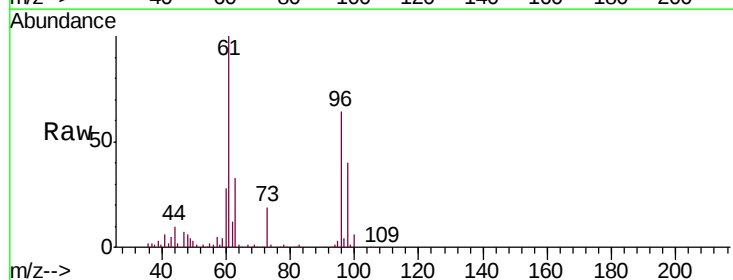
Instrument :
MSVOA_V
ClientSampled :
BFB89

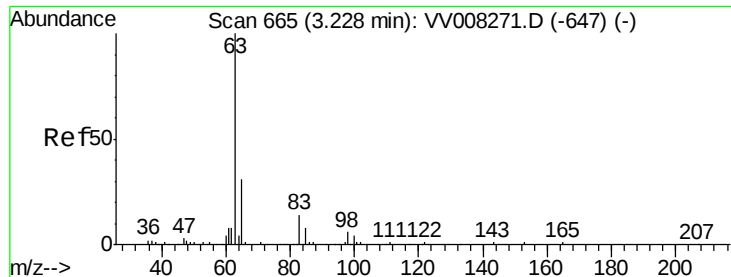
Tgt Ion: 73 Resp: 90274
Ion Ratio Lower Upper
73 100
43 22.9 19.0 28.6
57 22.3 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 5.702 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV008356.D
Acq: 19 Oct 2018 09:45

Tgt Ion: 96 Resp: 34763
Ion Ratio Lower Upper
96 100
61 156.4 104.6 194.2
98 62.2 44.1 81.9

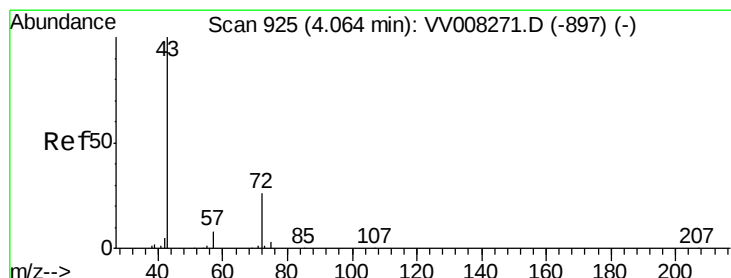
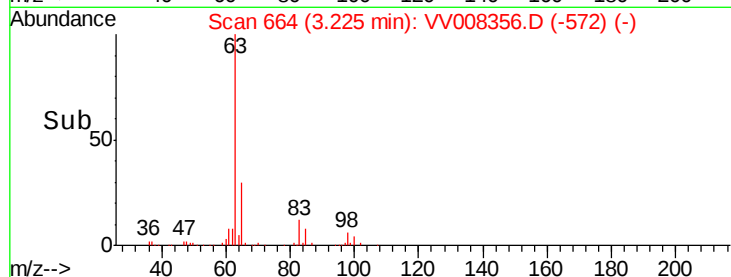
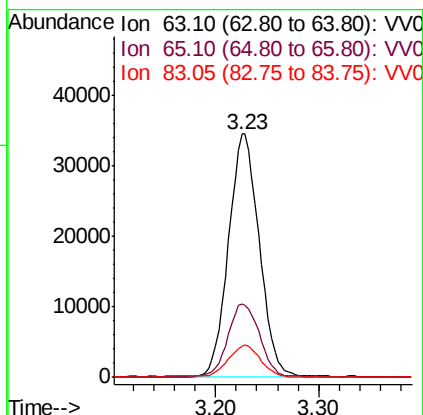
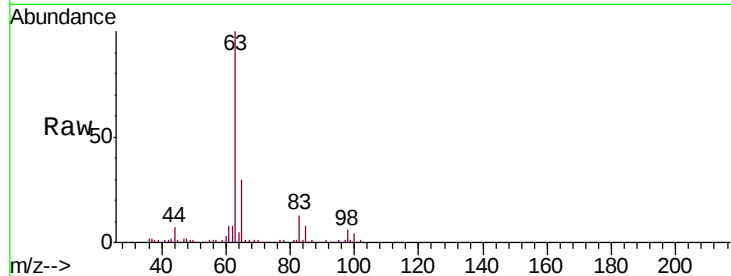




#19
 1,1-Dichloroethane
 Concen: 5.735 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV008356.D
 Acq: 19 Oct 2018 09:45

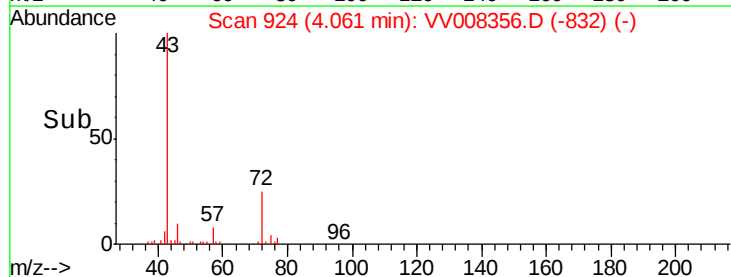
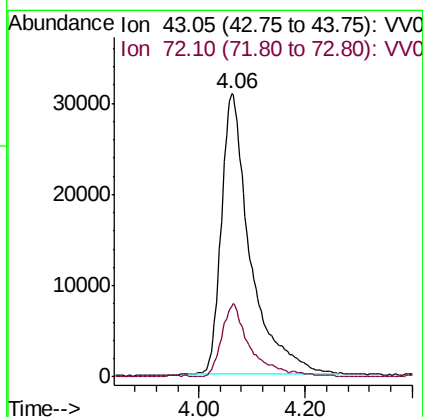
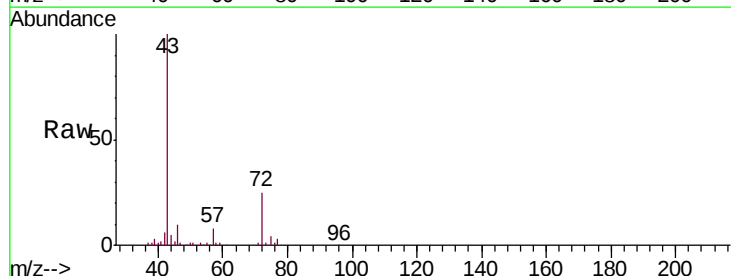
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB89

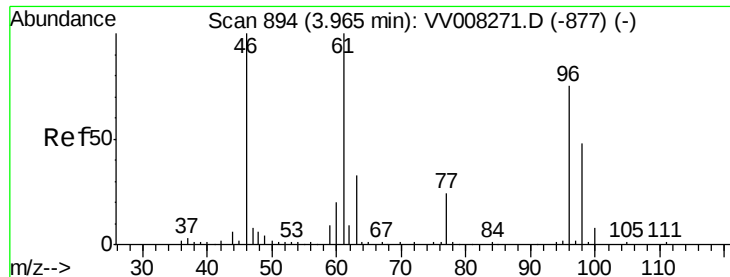
Tgt Ion: 63 Resp: 72241
 Ion Ratio Lower Upper
 63 100
 65 30.3 22.6 42.0
 83 12.9 11.0 20.4



#21
 2-Butanone
 Concen: 46.234 ug/L
 RT: 4.06 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: VV008356.D
 Acq: 19 Oct 2018 09:45

Tgt Ion: 43 Resp: 116141
 Ion Ratio Lower Upper
 43 100
 72 24.8 12.9 38.7



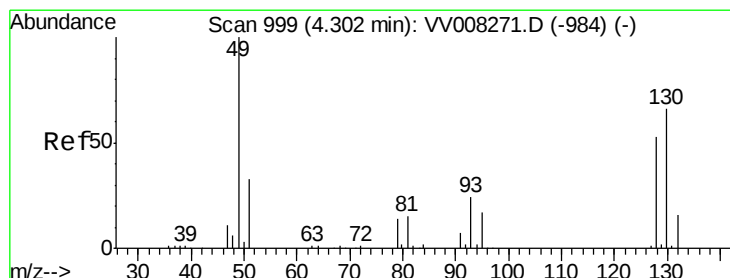
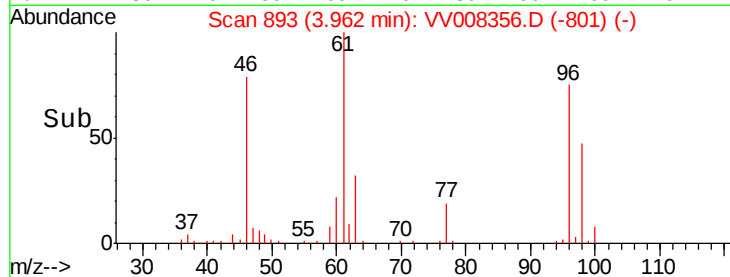
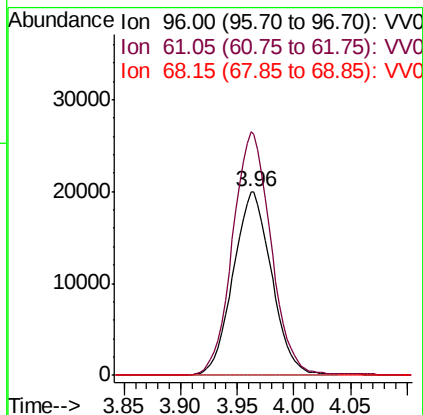
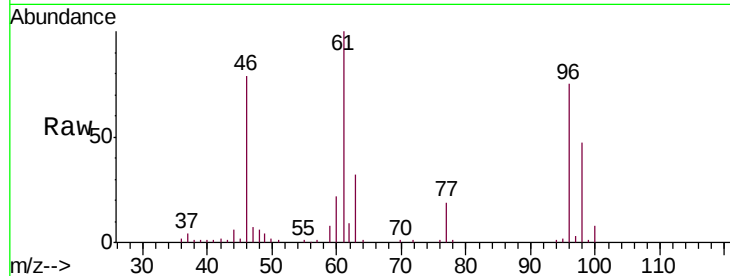


#22

cis-1,2-Dichloroethene
Concen: 4.815 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV008356.D
Acq: 19 Oct 2018 09:45

Instrument :
MSVOA_V
ClientSampleId :
BFB89

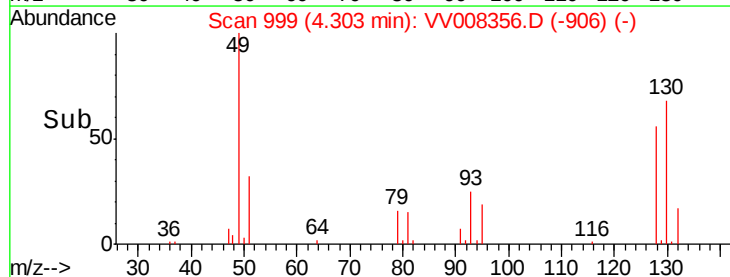
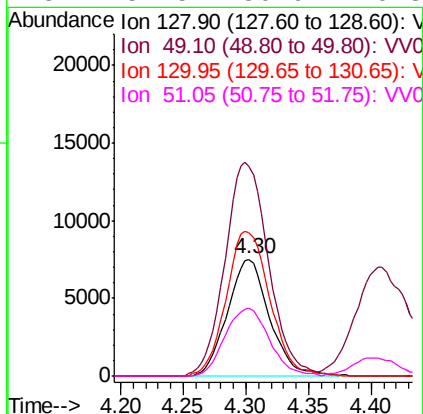
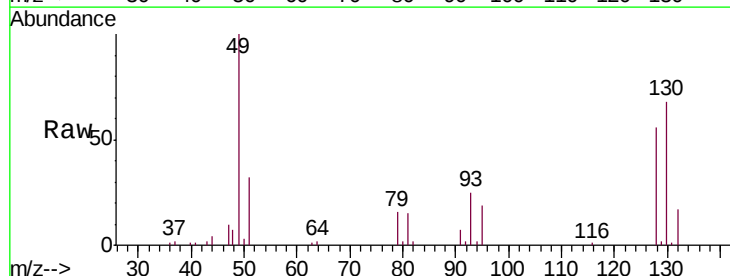
Tgt Ion: 96 Resp: 47394
Ion Ratio Lower Upper
96 100
61 132.7 93.7 174.1
68 0.0 0.6 1.2#

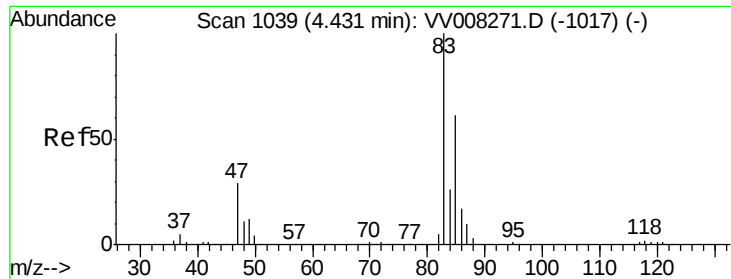


#23

Bromochloromethane
Concen: 4.796 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.00 min
Lab File: VV008356.D
Acq: 19 Oct 2018 09:45

Tgt Ion: 128 Resp: 17504
Ion Ratio Lower Upper
128 100
49 179.6 131.3 243.9
130 122.4 86.0 159.8
51 57.5 50.9 76.3

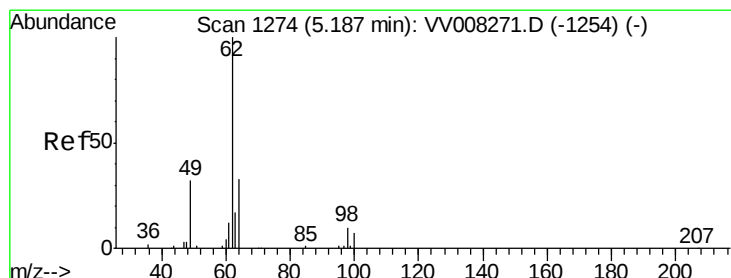
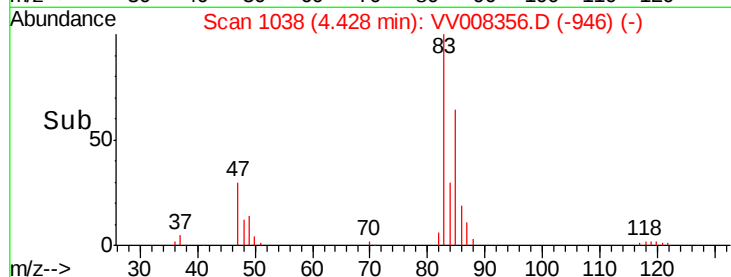
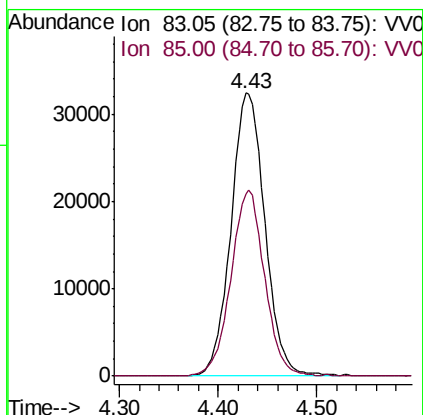
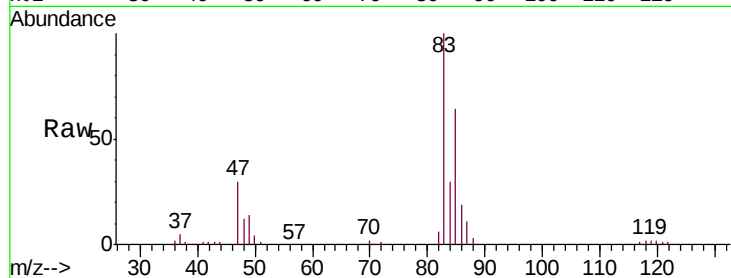




#25
Chloroform
Concen: 5.022 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV008356.D
Acq: 19 Oct 2018 09:45

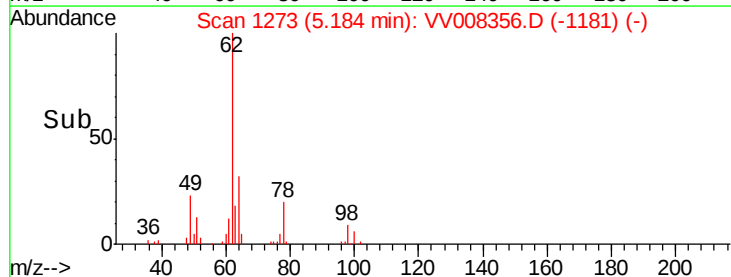
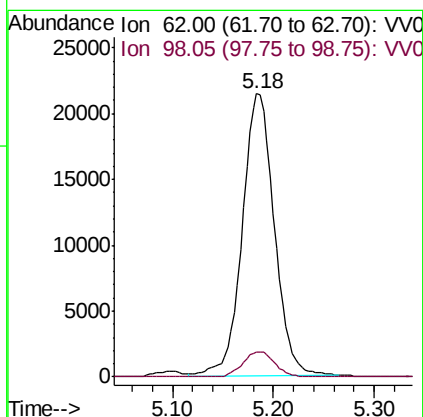
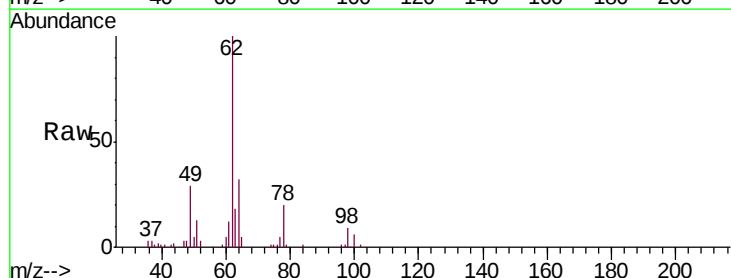
Instrument :
MSVOA_V
ClientSampled :
BFB89

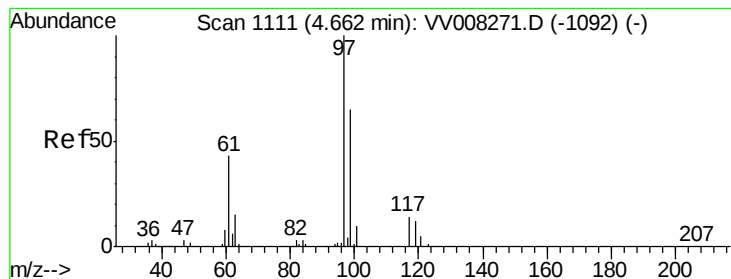
Tgt Ion: 83 Resp: 77527
Ion Ratio Lower Upper
83 100
85 64.3 43.4 80.6



#27
1,2-Dichloroethane
Concen: 5.148 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VV008356.D
Acq: 19 Oct 2018 09:45

Tgt Ion: 62 Resp: 47253
Ion Ratio Lower Upper
62 100
98 8.6 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 4.968 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

Instrument :

MSVOA_V

ClientSampleId :

BFB89

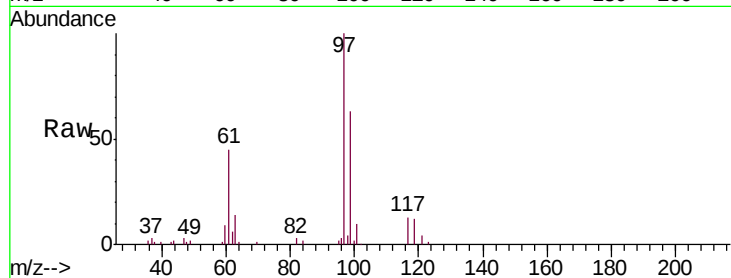
Tgt Ion: 97 Resp: 66582

Ion Ratio Lower Upper

97 100

99 64.1 51.6 77.4

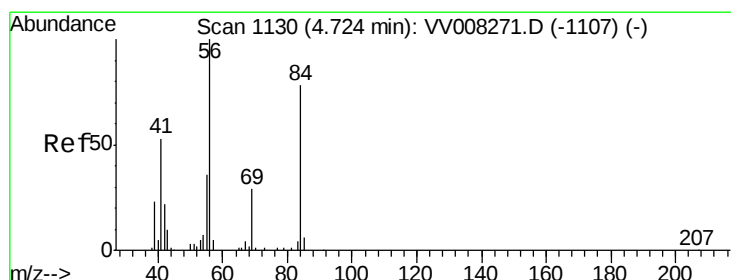
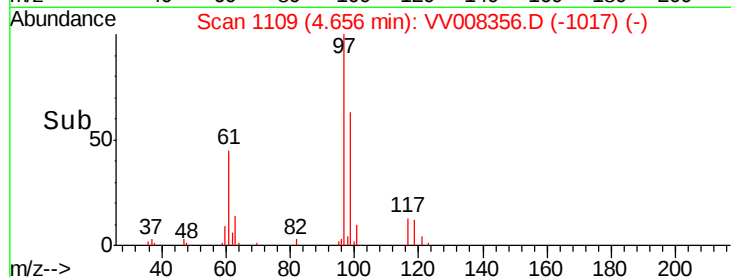
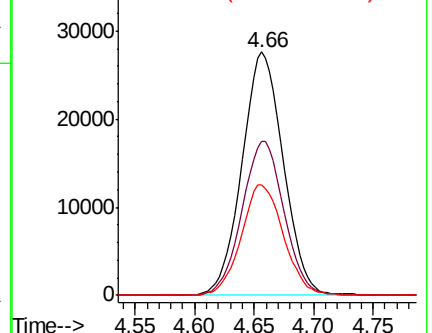
61 46.3 37.0 55.6



Abundance Ion 96.95 (96.65 to 97.65): VV008271.D (-1092) (-)

Ion 99.05 (98.75 to 99.75): VV008271.D (-1092) (-)

Ion 61.05 (60.75 to 61.75): VV008271.D (-1092) (-)



#30

Cyclohexane

Concen: 4.827 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

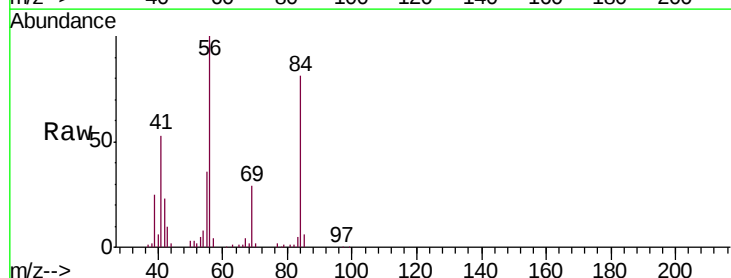
Tgt Ion: 56 Resp: 81319

Ion Ratio Lower Upper

56 100

69 30.1 24.3 36.5

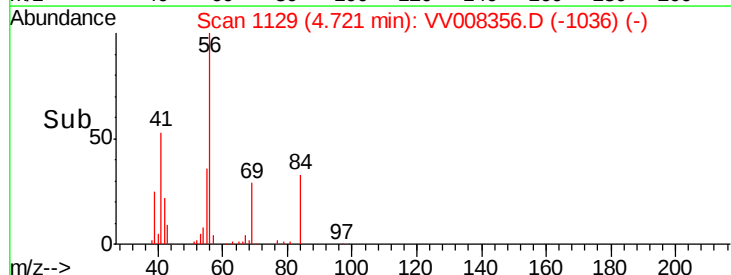
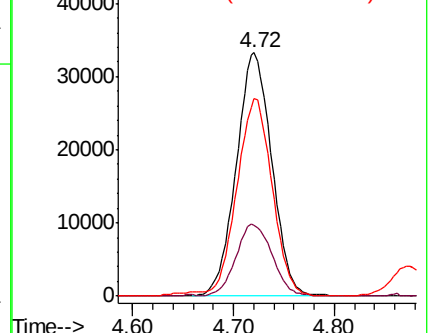
84 80.5 64.1 96.1

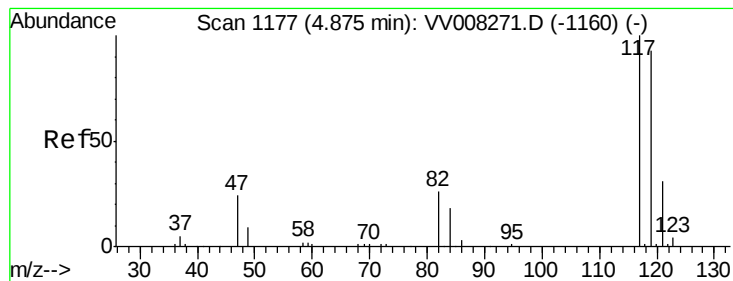


Abundance Ion 56.10 (55.80 to 56.80): VV008271.D (-1107) (-)

Ion 69.15 (68.85 to 69.85): VV008271.D (-1107) (-)

Ion 84.15 (83.85 to 84.85): VV008271.D (-1107) (-)





#31

Carbon tetrachloride

Concen: 4.999 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

Instrument :

MSVOA_V

ClientSampled :

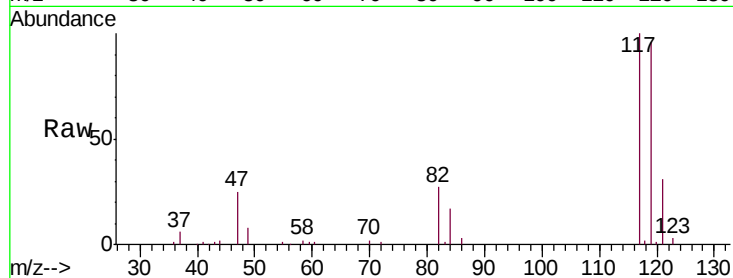
BFB89

Tgt Ion:117 Resp: 56331

Ion Ratio Lower Upper

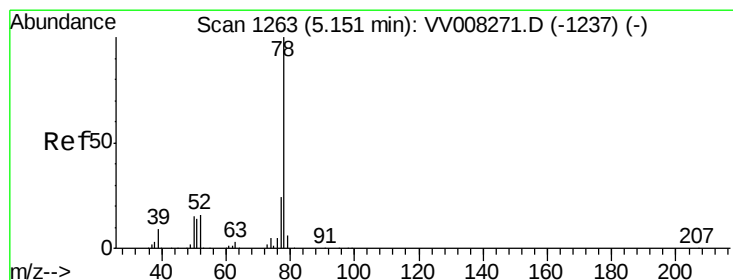
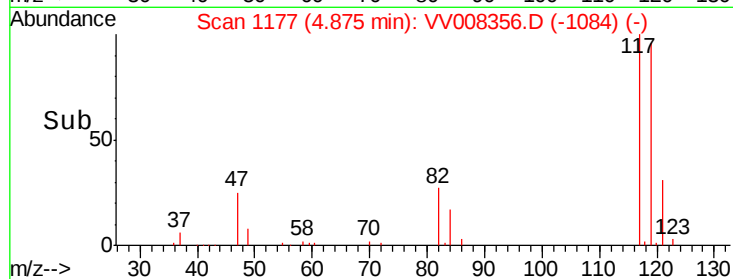
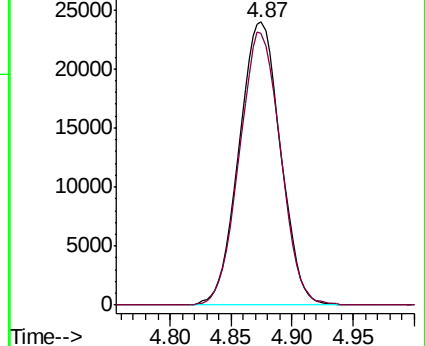
117 100

119 95.7 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.945 ug/L

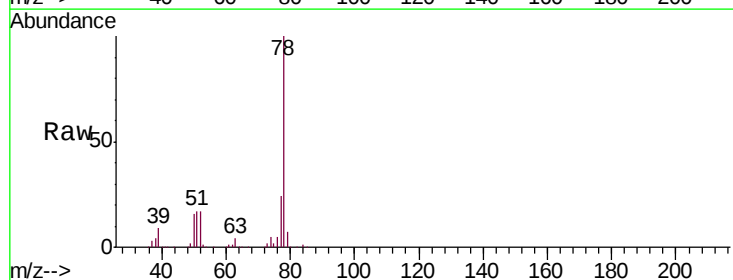
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

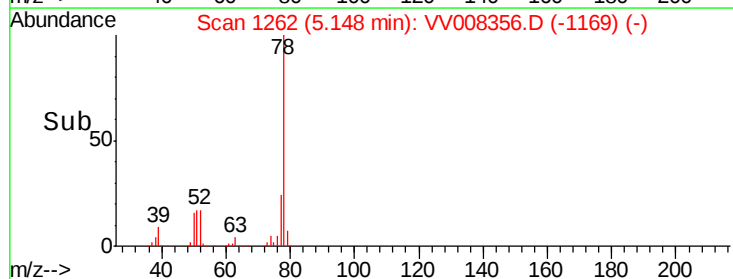
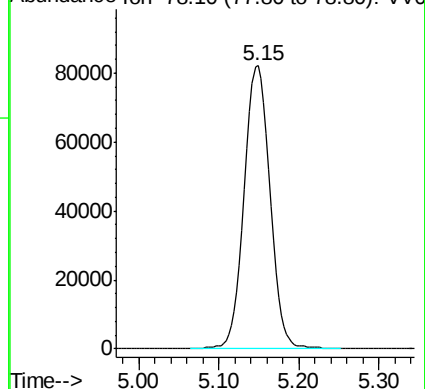
Lab File: VV008356.D

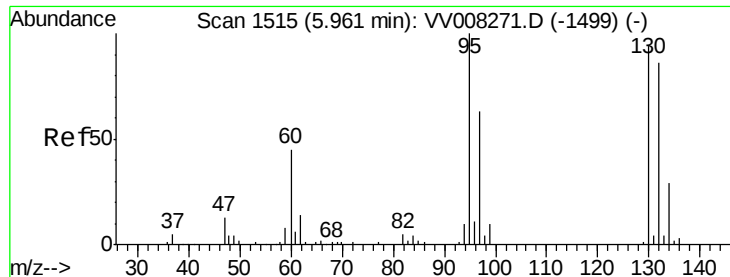
Acq: 19 Oct 2018 09:45

Tgt Ion: 78 Resp: 179327



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.125 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

Instrument :

MSVOA_V

ClientSampleId :

BFB89

Tgt Ion: 95 Resp: 51502

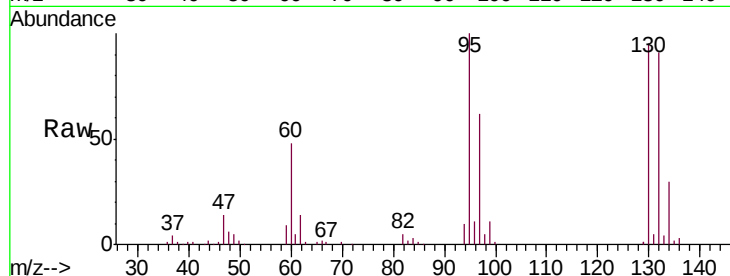
Ion Ratio Lower Upper

95 100

97 62.5 44.4 82.4

132 90.5 60.4 112.2

130 95.1 65.5 121.7

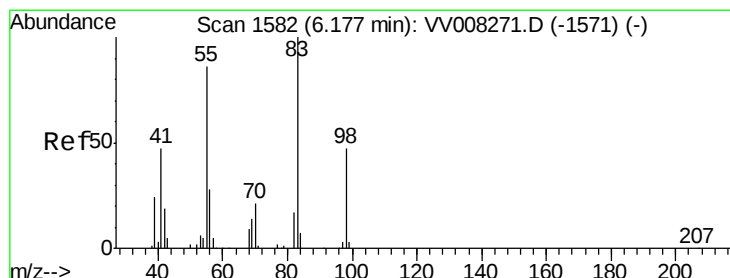
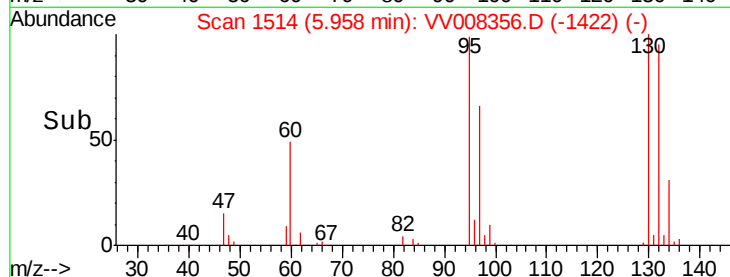
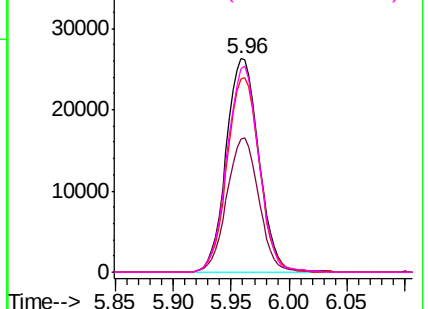


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.059 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

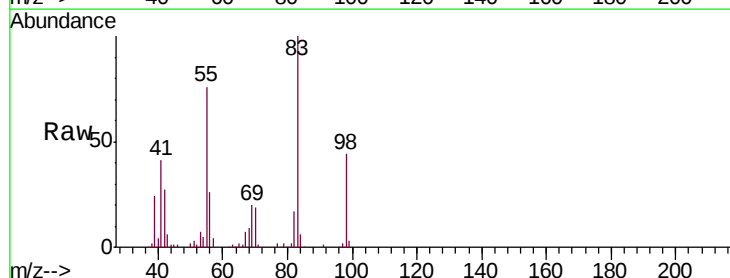
Tgt Ion: 83 Resp: 85739

Ion Ratio Lower Upper

83 100

55 76.2 64.0 96.0

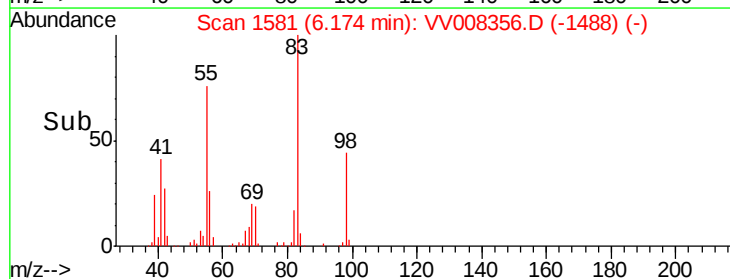
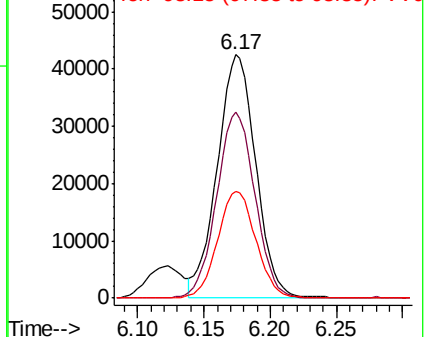
98 43.7 37.0 55.4

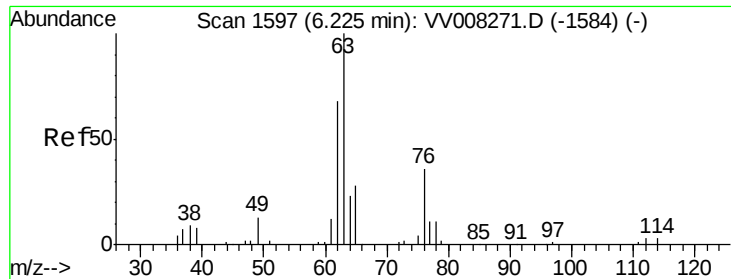


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

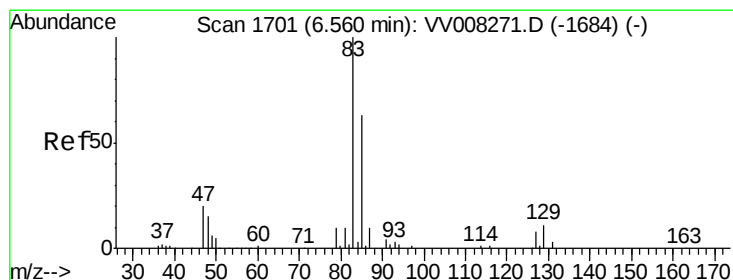
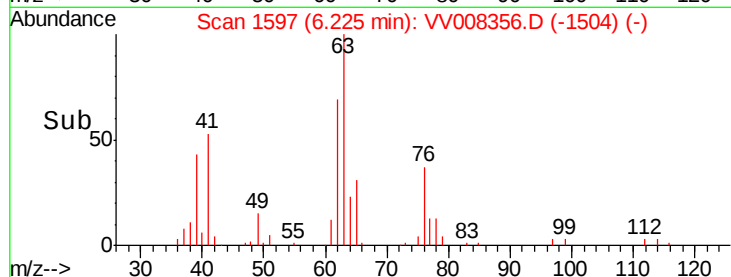
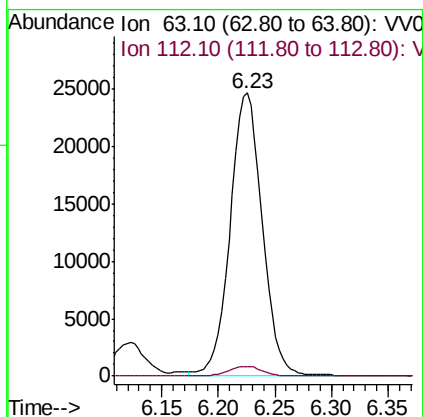
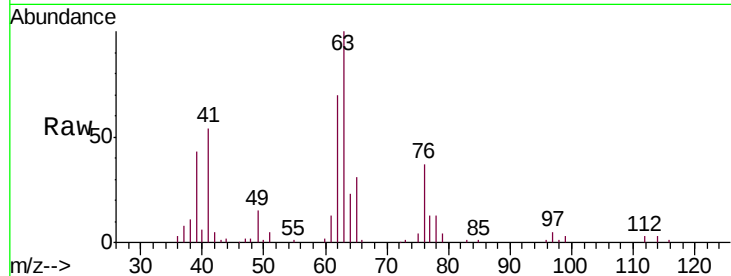




#37
 1,2-Dichloropropane
 Concen: 5.007 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV008356.D
 Acq: 19 Oct 2018 09:45

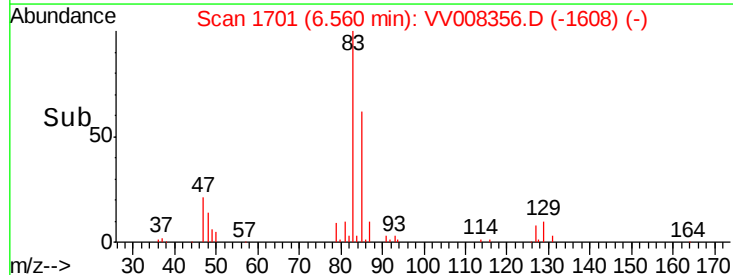
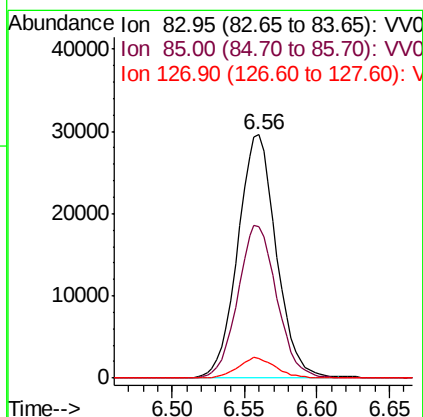
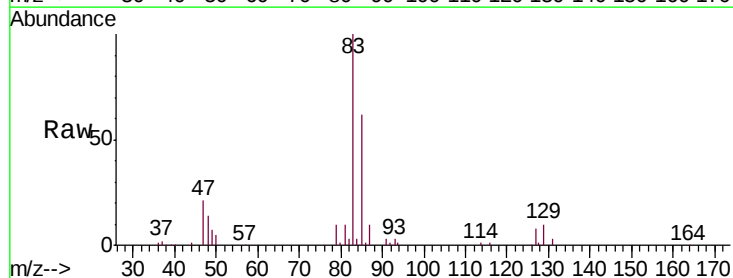
Instrument :
 MSVOA_V
 ClientSampled :
 BFB89

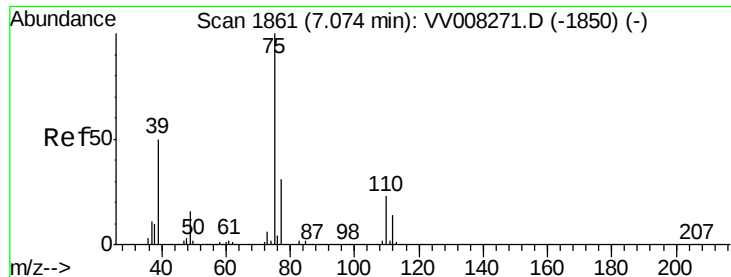
Tgt Ion: 63 Resp: 48993
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.6 3.8



#38
 Bromodichloromethane
 Concen: 4.966 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008356.D
 Acq: 19 Oct 2018 09:45

Tgt Ion: 83 Resp: 54584
 Ion Ratio Lower Upper
 83 100
 85 62.4 44.3 82.3
 127 8.1 6.6 10.0

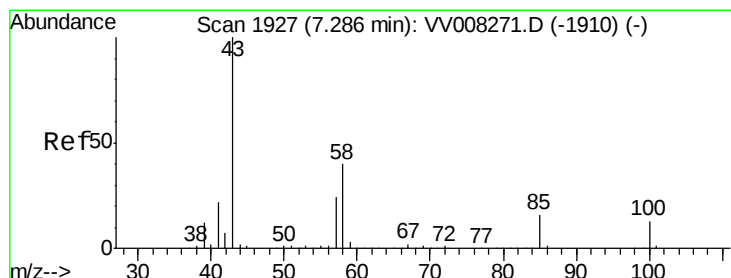
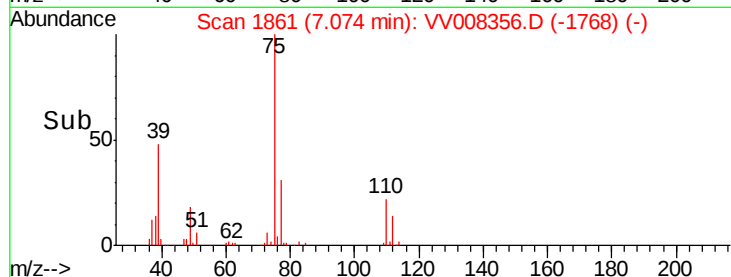
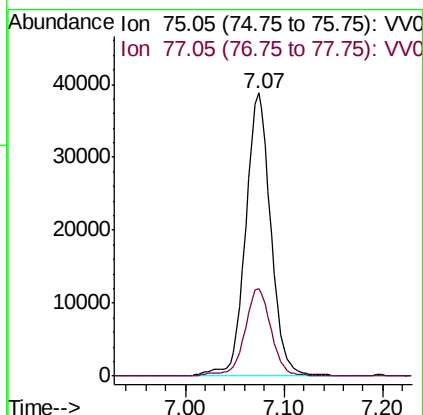
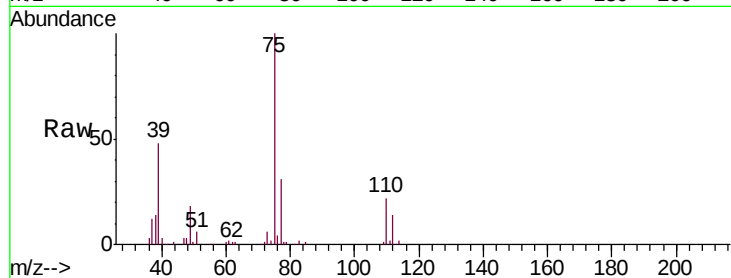




#39
 cis-1,3-Dichloropropene
 Concen: 4.903 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008356.D
 Acq: 19 Oct 2018 09:45

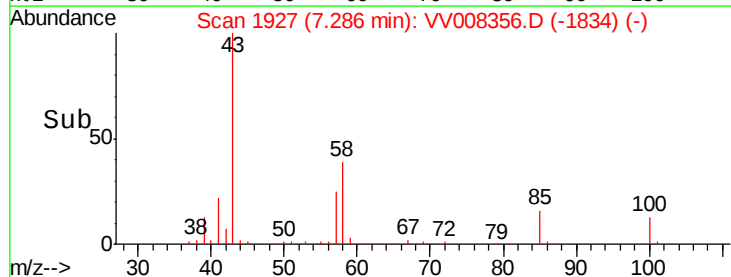
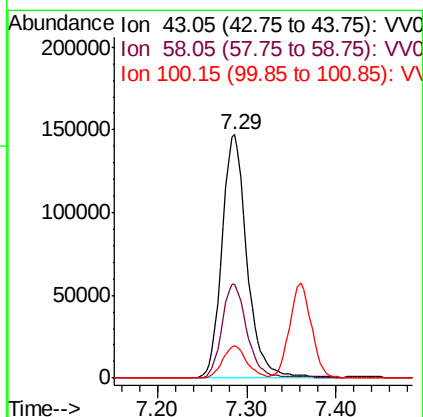
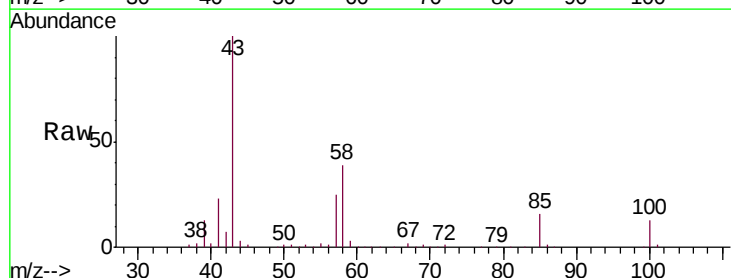
Instrument :
 MSVOA_V
 ClientSampled :
 BFB89

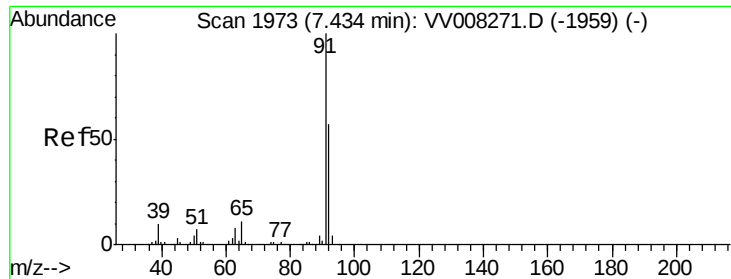
Tgt Ion: 75 Resp: 68453
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 47.608 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. 0.00 min
 Lab File: VV008356.D
 Acq: 19 Oct 2018 09:45

Tgt Ion: 43 Resp: 285296
 Ion Ratio Lower Upper
 43 100
 58 38.5 31.3 46.9
 100 12.9 10.5 15.7





#42

Toluene

Concen: 5.084 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

Instrument :

MSVOA_V

ClientSampleId :

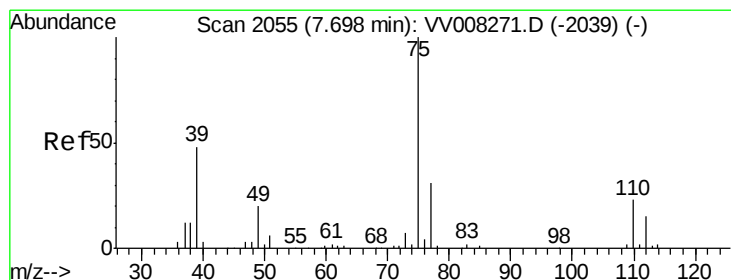
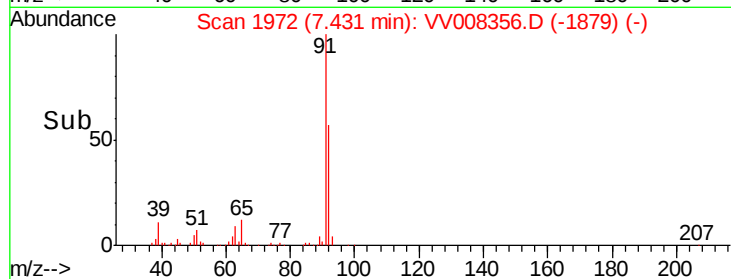
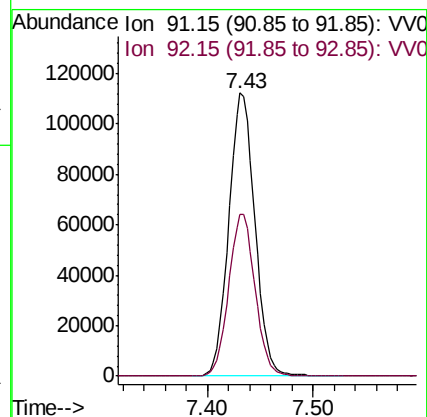
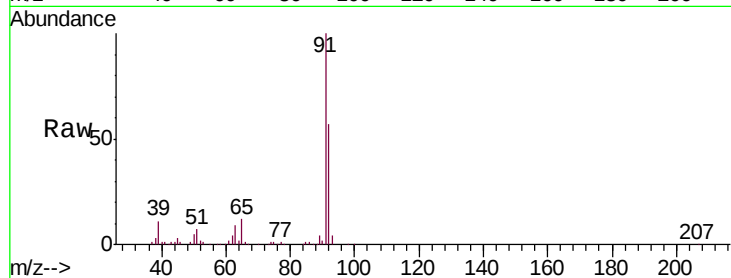
BFB89

Tgt Ion: 91 Resp: 192170

Ion Ratio Lower Upper

91 100

92 57.1 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 4.815 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV008356.D

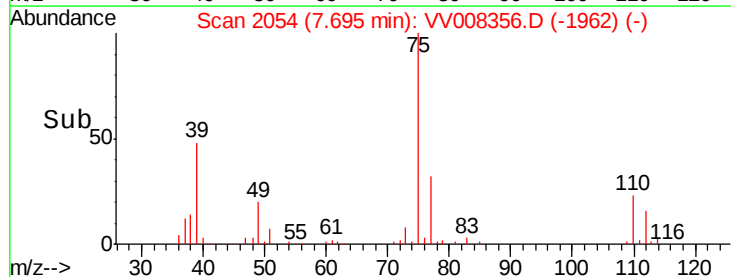
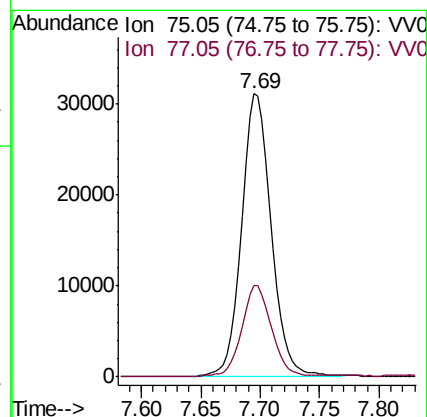
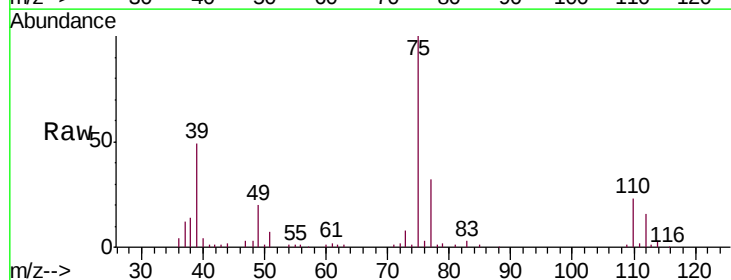
Acq: 19 Oct 2018 09:45

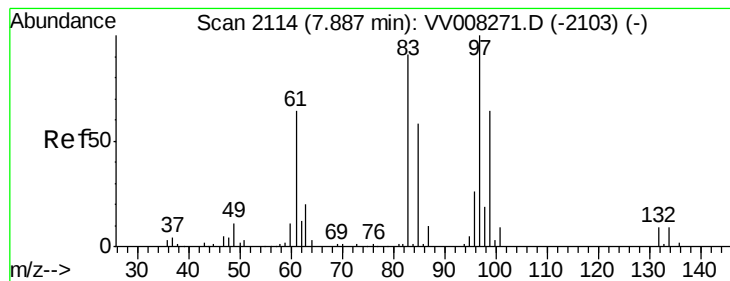
Tgt Ion: 75 Resp: 53800

Ion Ratio Lower Upper

75 100

77 32.3 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 4.848 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

Instrument :

MSVOA_V

ClientSampled :

BFB89

Tgt Ion: 97 Resp: 29449

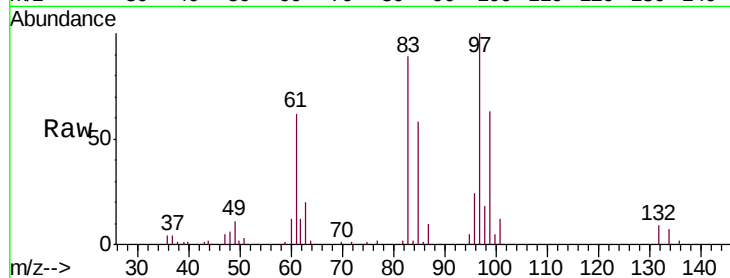
Ion Ratio Lower Upper

97 100

99 63.1 44.1 81.9

83 89.3 63.7 118.3

85 58.1 40.7 75.7

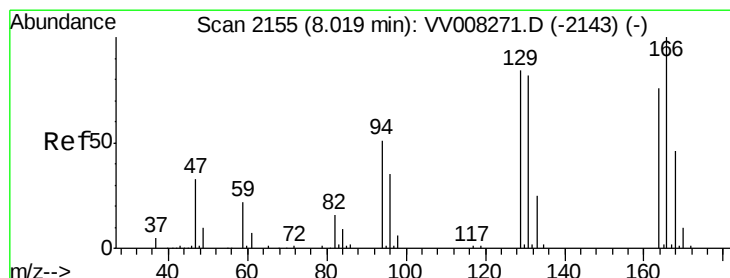
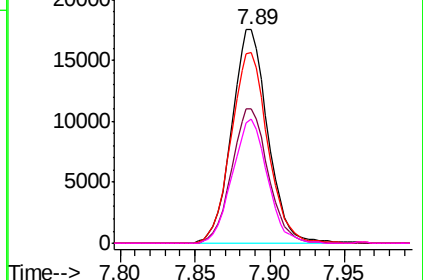
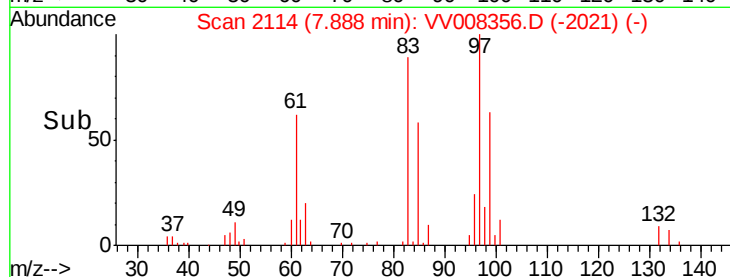


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 5.069 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

Tgt Ion: 164 Resp: 31917

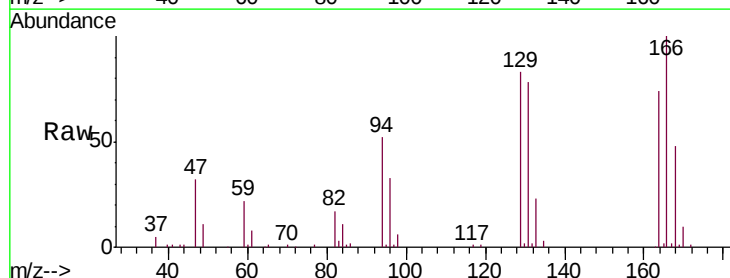
Ion Ratio Lower Upper

164 100

129 112.0 76.5 142.1

131 105.5 74.7 138.7

166 135.7 91.6 170.0

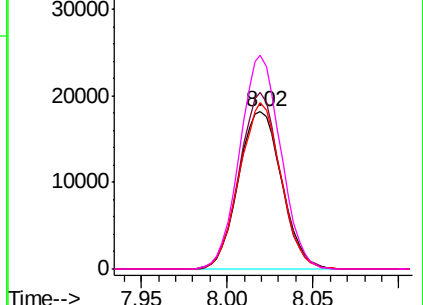
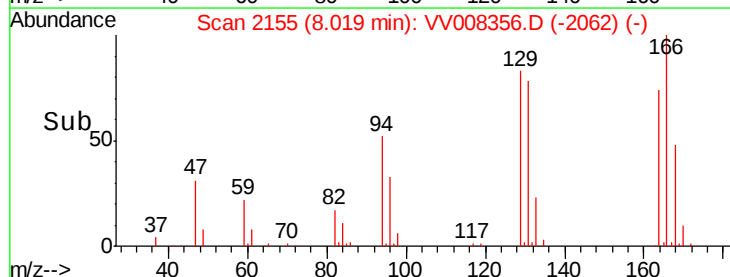


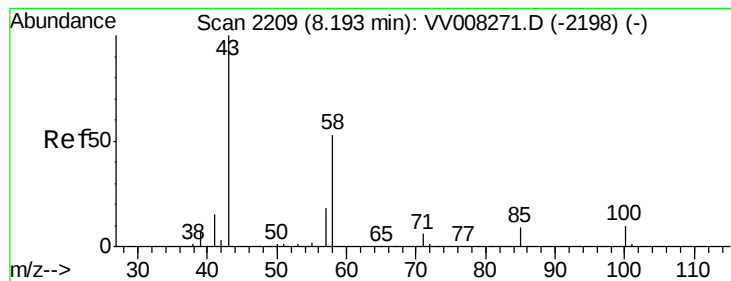
Abundance Ion 163.90 (163.60 to 164.60): V

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: 49.072 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

Instrument :
MSVOA_V
ClientSampled :
BFB89

Tgt Ion: 43 Resp: 214931

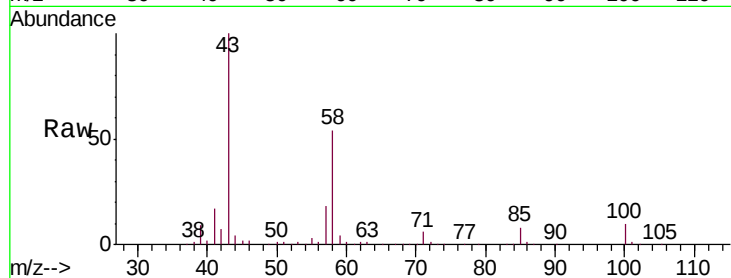
Ion Ratio Lower Upper

43 100

58 56.7 45.0 67.4

57 18.0 14.4 21.6

100 10.2 7.9 11.9

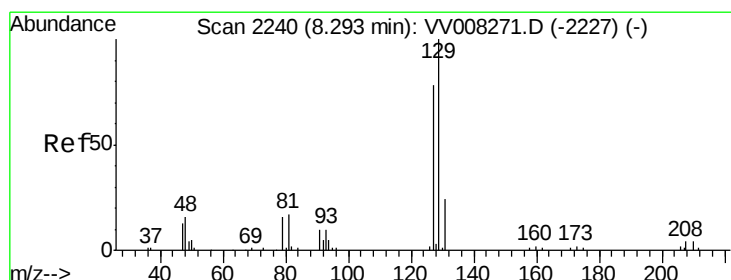
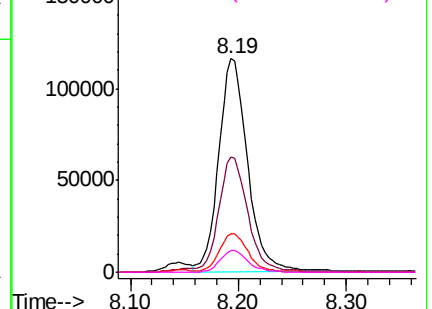
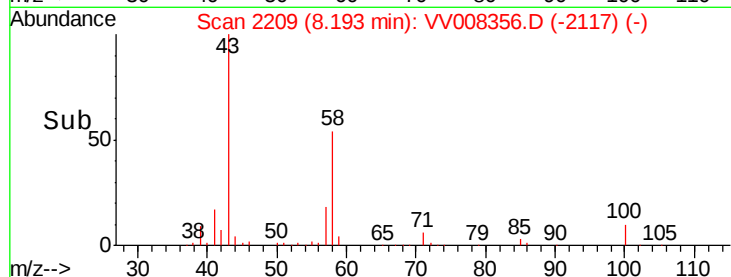


Abundance Ion 43.05 (42.75 to 43.75): VV008356.D (-2117) (-)

Ion 58.05 (57.75 to 58.75): VV008356.D (-2117) (-)

Ion 57.20 (56.90 to 57.90): VV008356.D (-2117) (-)

Ion 100.15 (99.85 to 100.85): VV008356.D (-2117) (-)



#49

Dibromochloromethane

Concen: 4.982 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VV008356.D

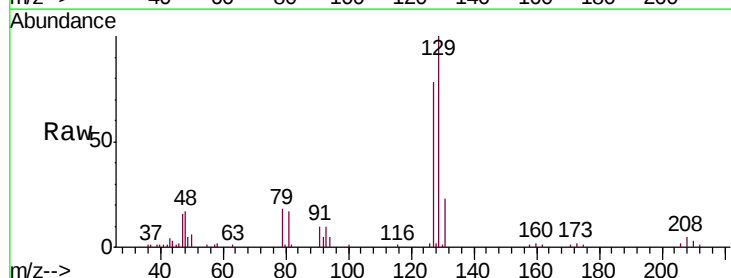
Acq: 19 Oct 2018 09:45

Tgt Ion: 129 Resp: 34498

Ion Ratio Lower Upper

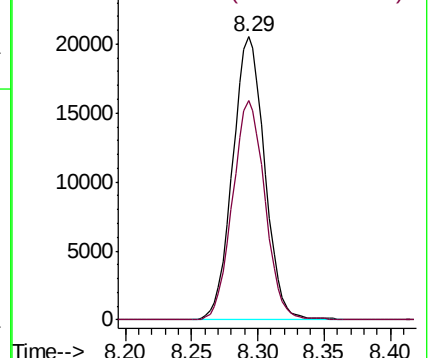
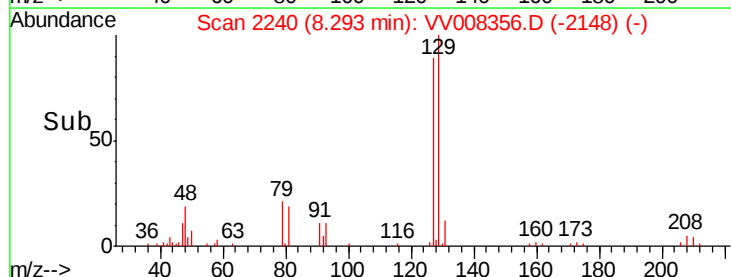
129 100

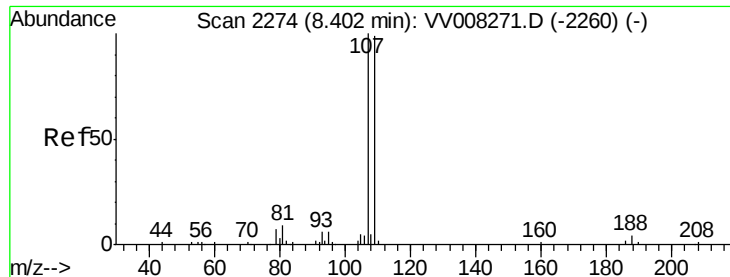
127 77.6 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): VV008356.D (-2148) (-)

Ion 126.90 (126.60 to 127.60): VV008356.D (-2148) (-)

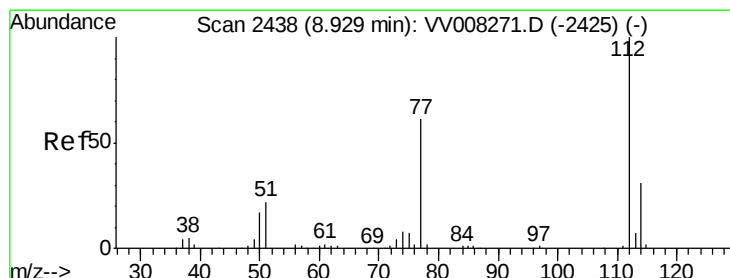
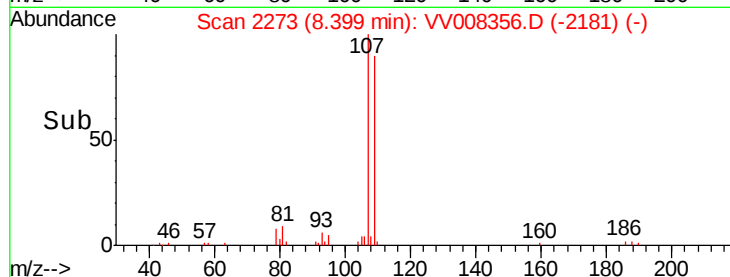
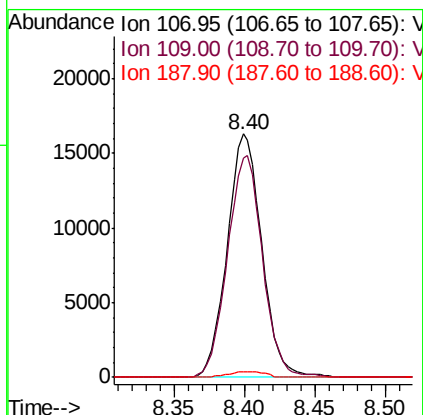
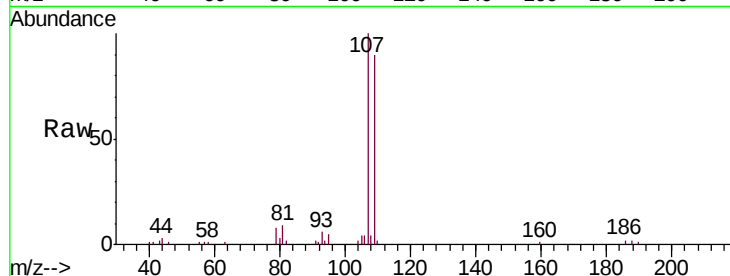




#50
1,2-Dibromoethane
Concen: 4.914 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV008356.D
Acq: 19 Oct 2018 09:45

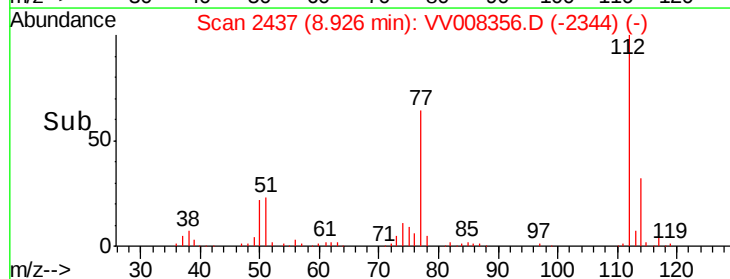
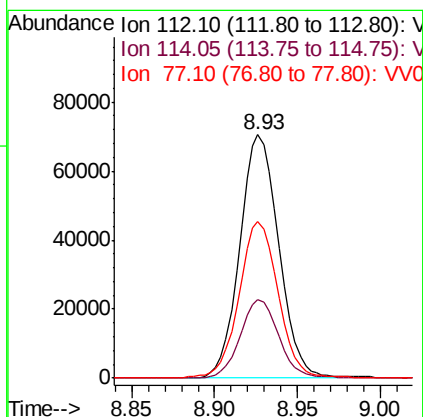
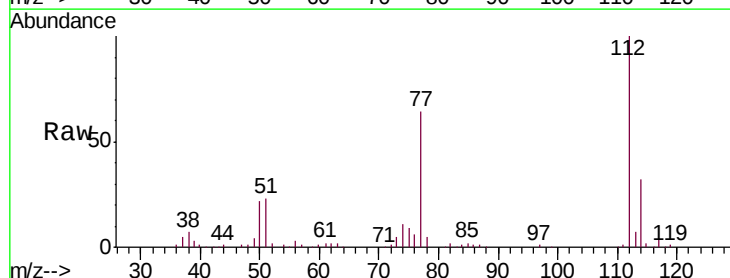
Instrument :
MSVOA_V
ClientSampleId :
BFB89

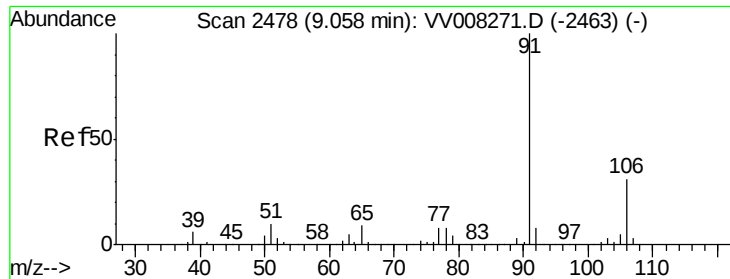
Tgt Ion:107 Resp: 27975
Ion Ratio Lower Upper
107 100
109 90.3 69.6 129.2
188 2.5 2.9 4.3#



#51
Chlorobenzene
Concen: 5.142 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008356.D
Acq: 19 Oct 2018 09:45

Tgt Ion:112 Resp: 115473
Ion Ratio Lower Upper
112 100
114 32.2 21.6 40.0
77 64.4 49.7 74.5

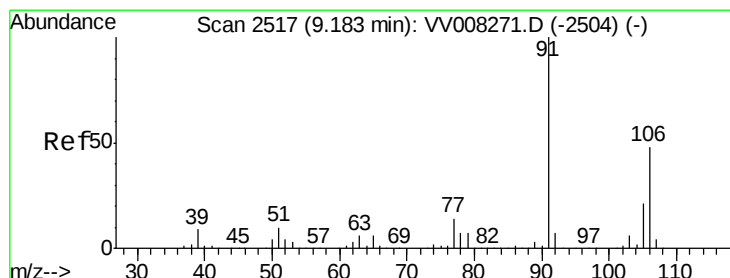
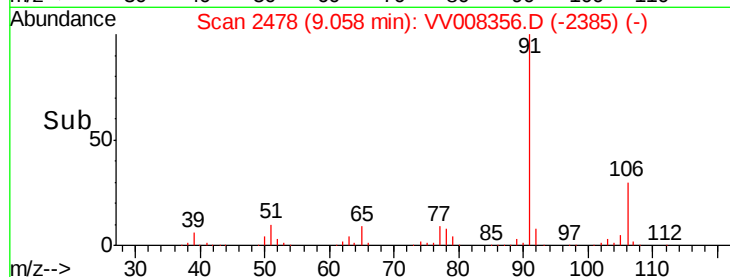
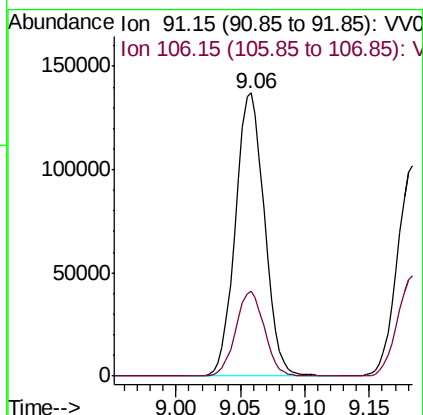
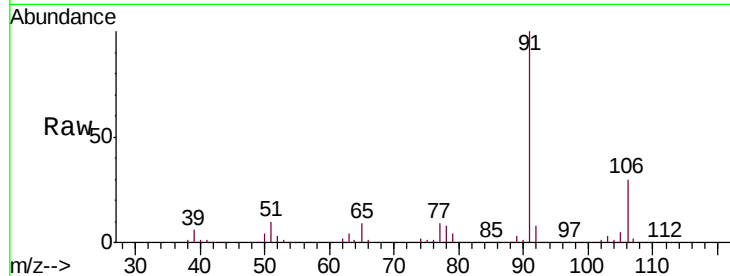




#52
Ethylbenzene
Concen: 5.167 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV008356.D
Acq: 19 Oct 2018 09:45

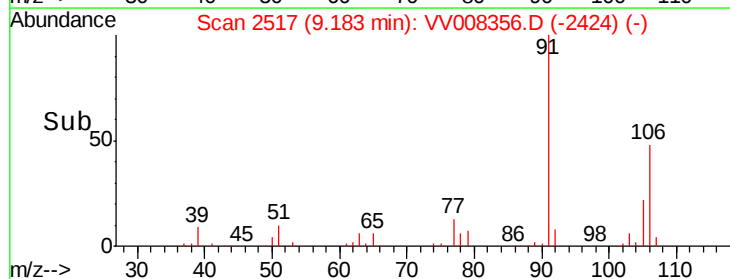
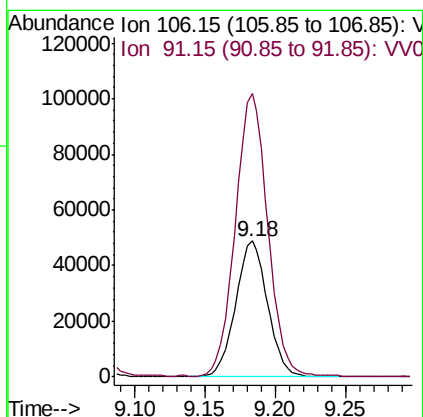
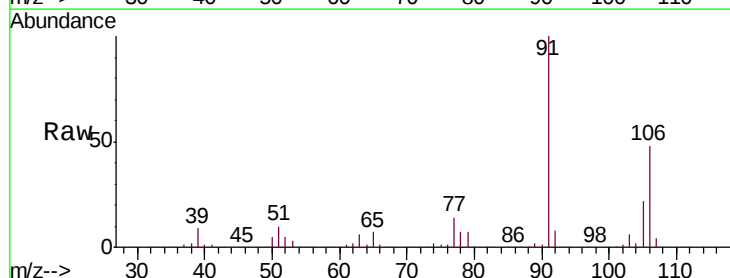
Instrument :
MSVOA_V
ClientSampleId :
BFB89

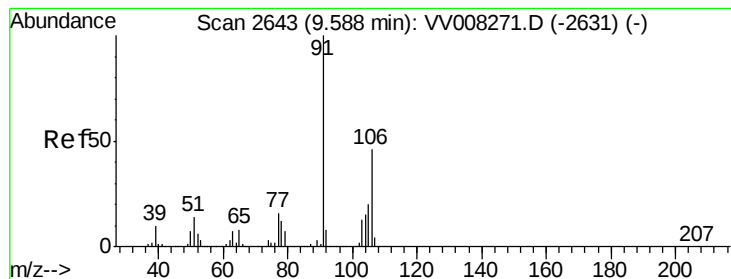
Tgt Ion: 91 Resp: 214769
Ion Ratio Lower Upper
91 100
106 29.8 21.6 40.2



#53
m,p-xylene
Concen: 5.171 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV008356.D
Acq: 19 Oct 2018 09:45

Tgt Ion: 106 Resp: 77738
Ion Ratio Lower Upper
106 100
91 208.1 145.2 269.6





#54

o-xylene

Concen: 5.117 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

Instrument :

MSVOA_V

ClientSampleId :

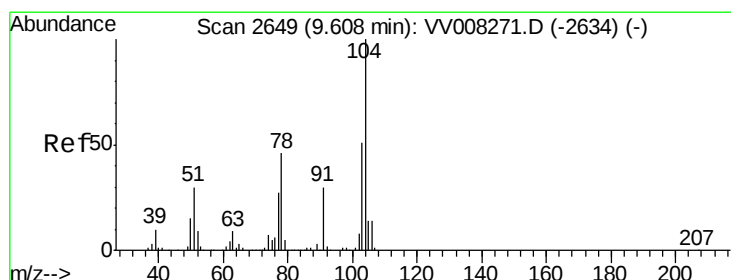
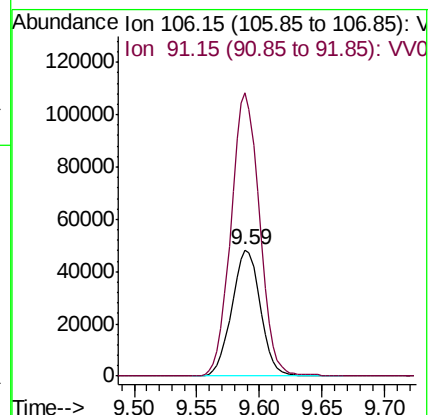
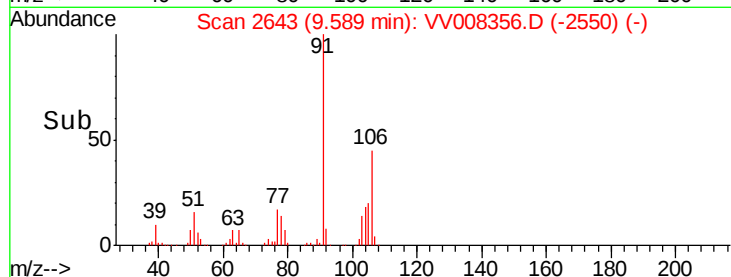
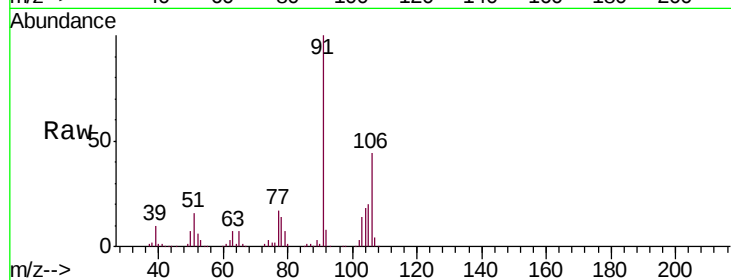
BFB89

Tgt Ion:106 Resp: 76642

Ion Ratio Lower Upper

106 100

91 224.8 153.2 284.4



#55

Styrene

Concen: 5.231 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV008356.D

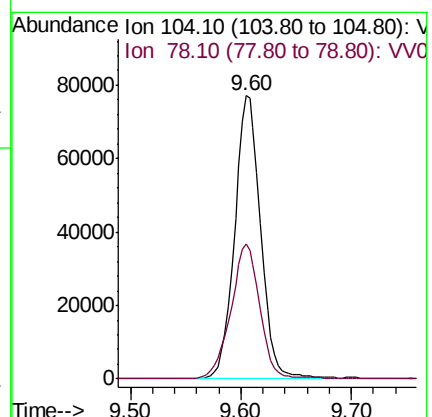
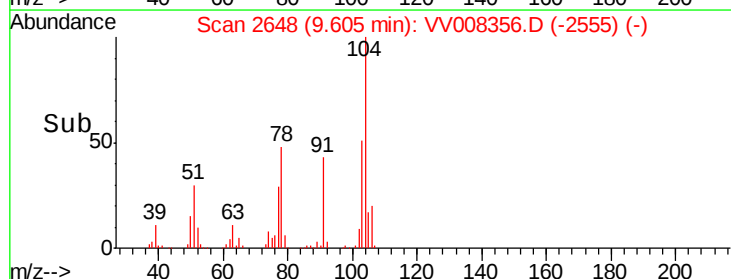
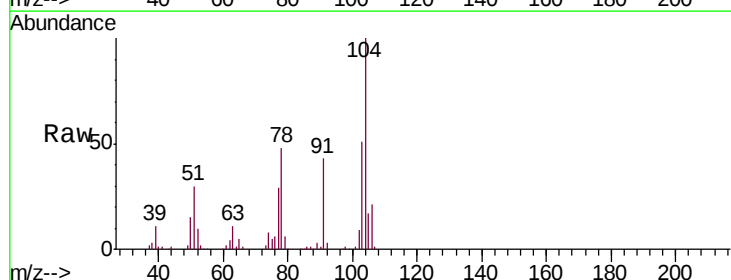
Acq: 19 Oct 2018 09:45

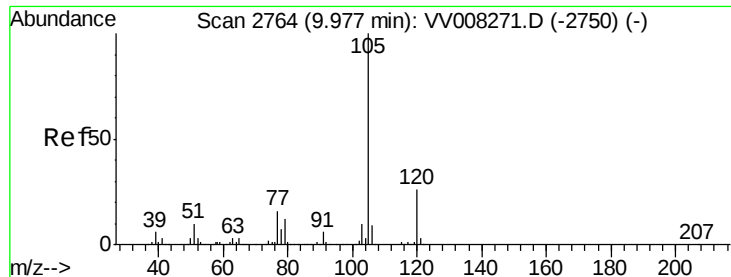
Tgt Ion:104 Resp: 126051

Ion Ratio Lower Upper

104 100

78 47.8 32.5 60.3





#56

Isopropylbenzene

Concen: 5.217 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

Instrument :

MSVOA_V

ClientSampleId :

BFB89

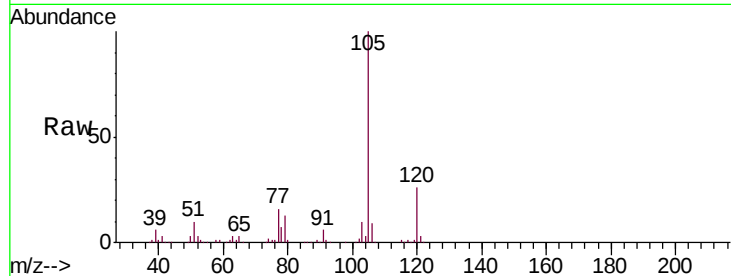
Tgt Ion: 105 Resp: 205938

Ion Ratio Lower Upper

105 100

120 25.3 21.2 31.8

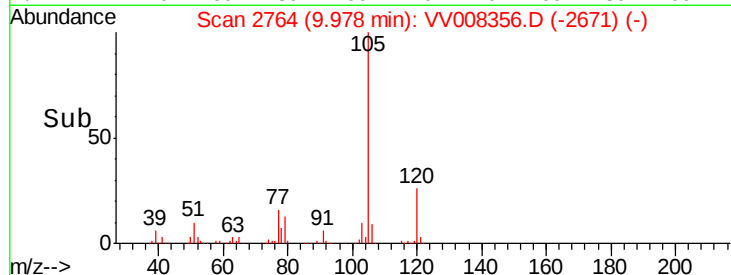
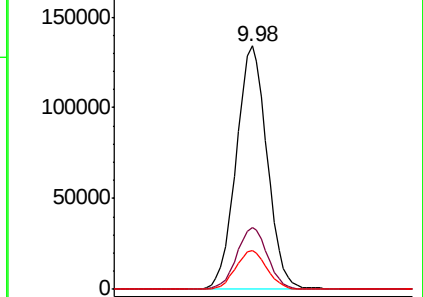
77 16.2 13.0 19.6



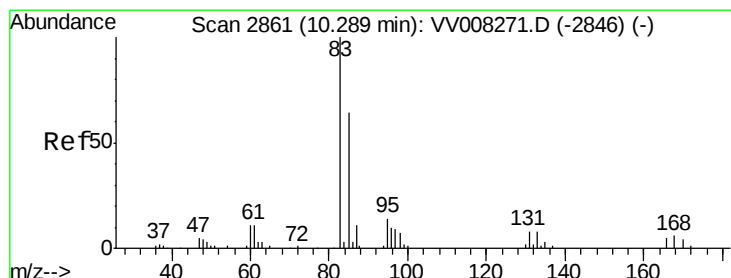
Abundance Ion 105.05 (104.75 to 105.75): VV008356.D (-2671) (-)

Ion 120.10 (119.80 to 120.80): VV008356.D (-2671) (-)

Ion 77.10 (76.80 to 77.80): VV008356.D (-2671) (-)



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 4.625 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

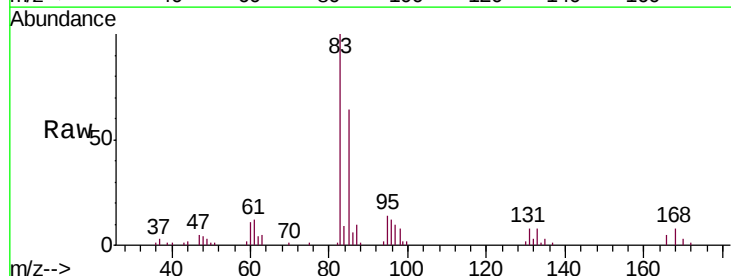
Tgt Ion: 83 Resp: 31969

Ion Ratio Lower Upper

83 100

85 64.4 45.6 84.6

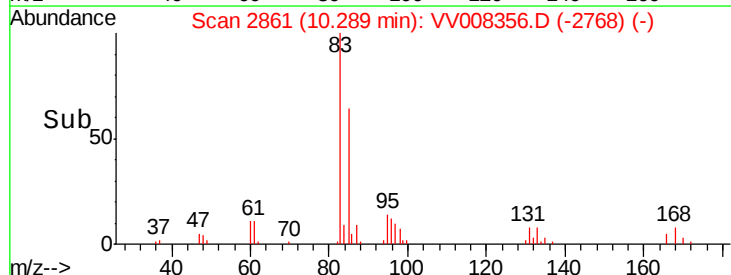
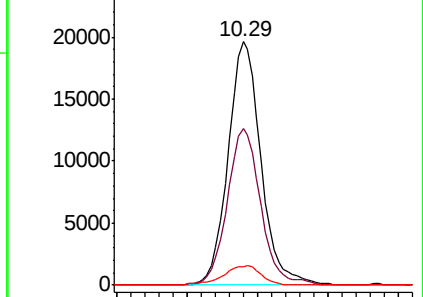
131 7.7 6.6 10.0



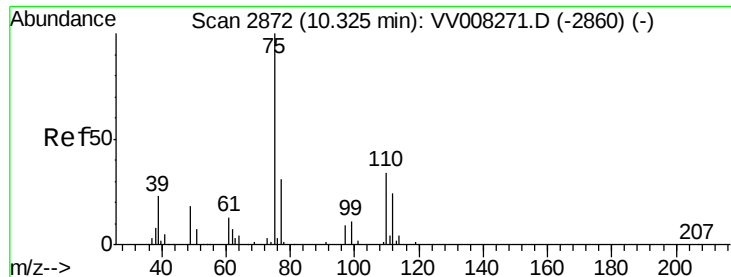
Abundance Ion 82.95 (82.65 to 83.65): VV008356.D (-2768) (-)

Ion 85.00 (84.70 to 85.70): VV008356.D (-2768) (-)

Ion 130.95 (130.65 to 131.65): VV008356.D (-2768) (-)



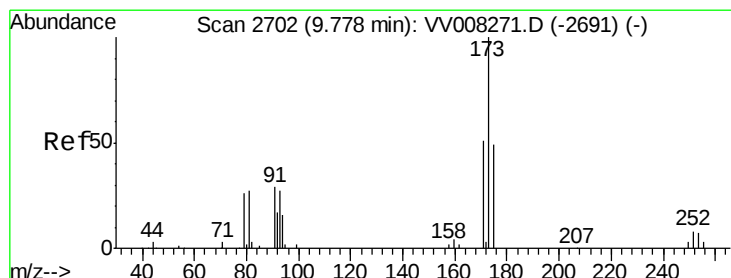
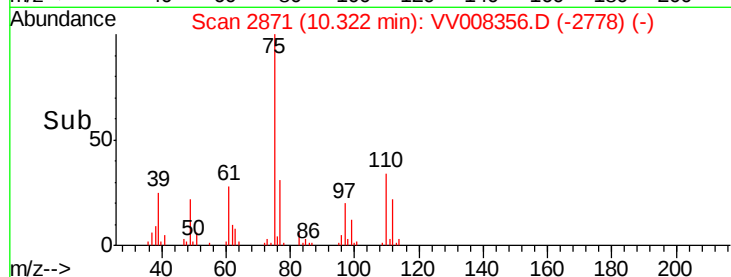
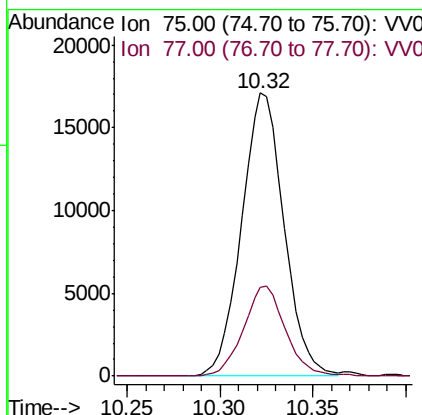
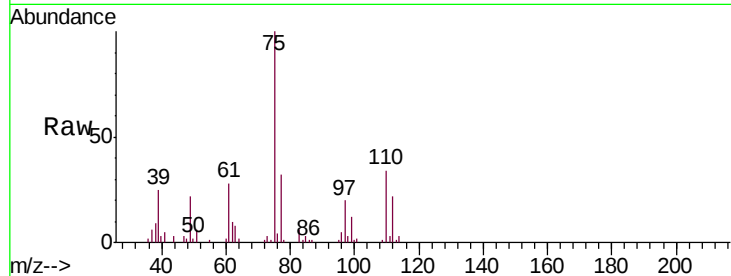
Time-->



#59
 1,2,3-Trichloropropane
 Concen: 4.958 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV008356.D
 Acq: 19 Oct 2018 09:45

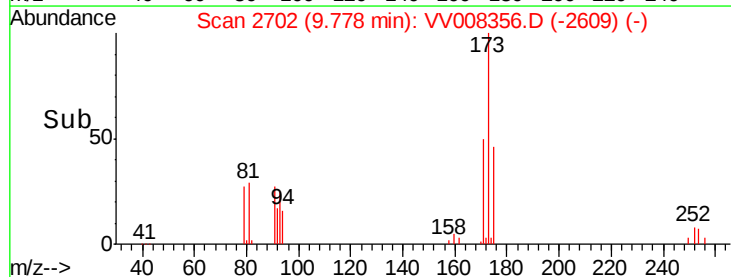
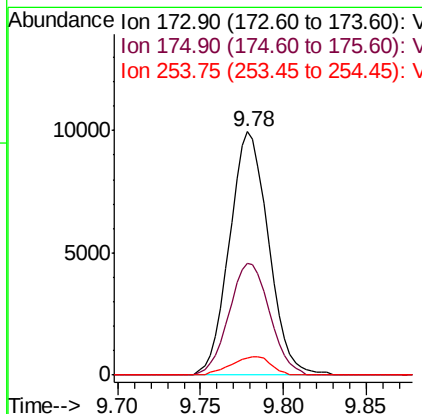
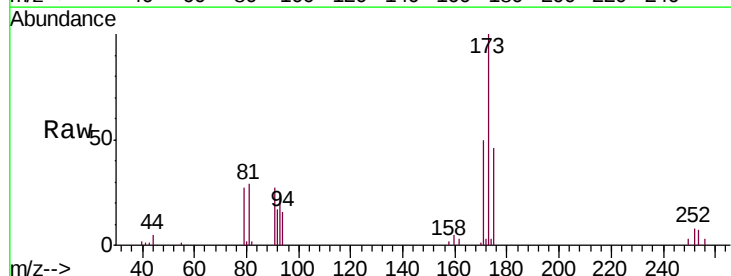
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB89

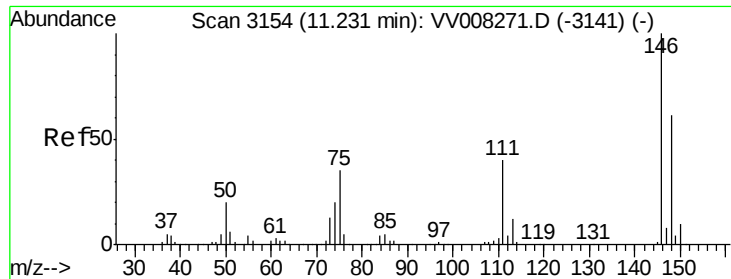
Tgt Ion: 75 Resp: 27144
 Ion Ratio Lower Upper
 75 100
 77 31.5 27.0 40.6



#61
 Bromoform
 Concen: 4.766 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV008356.D
 Acq: 19 Oct 2018 09:45

Tgt Ion: 173 Resp: 16285
 Ion Ratio Lower Upper
 173 100
 175 47.7 38.7 58.1
 254 7.7 5.9 8.9

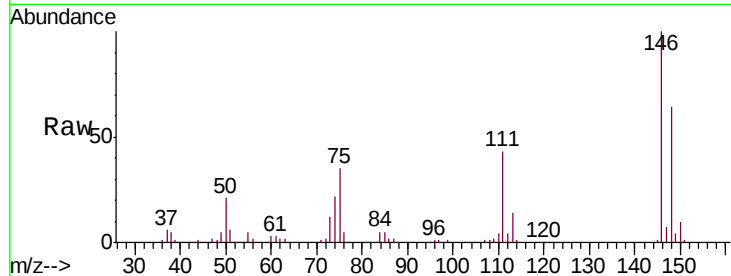




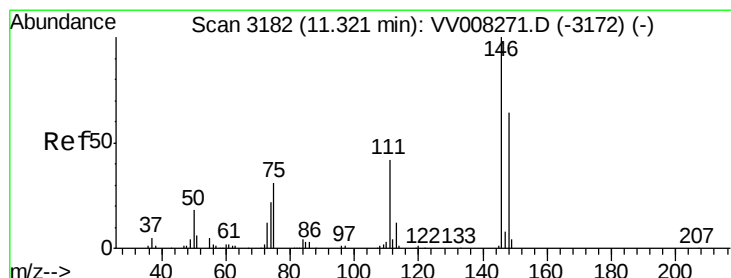
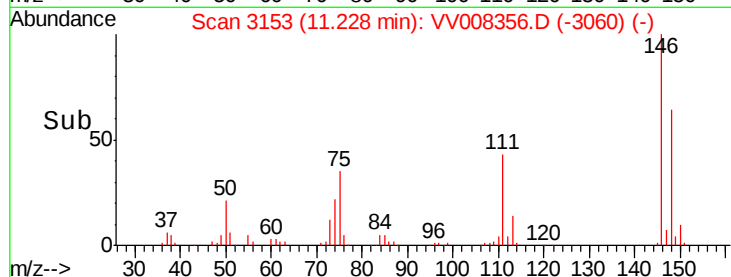
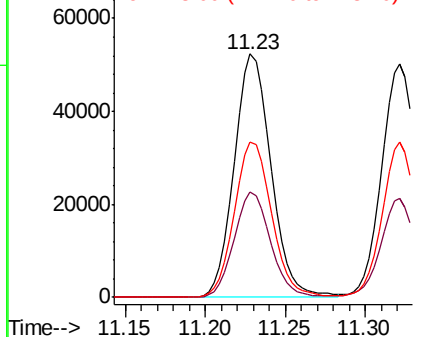
#62
 1,3-Dichlorobenzene
 Concen: 5.190 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV008356.D
 Acq: 19 Oct 2018 09:45

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB89

Tgt Ion:146 Resp: 82097
 Ion Ratio Lower Upper
 146 100
 111 43.0 28.0 52.0
 148 63.9 42.9 79.7

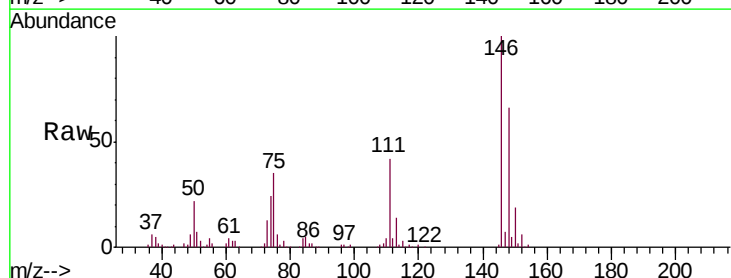


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

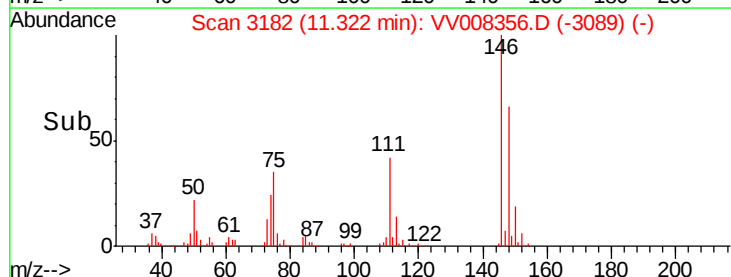
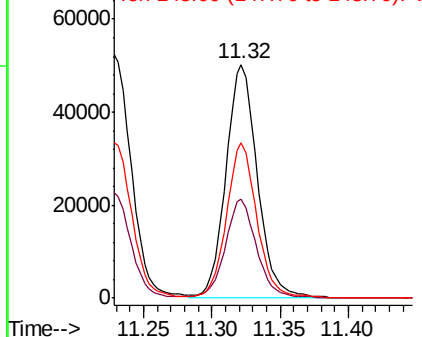


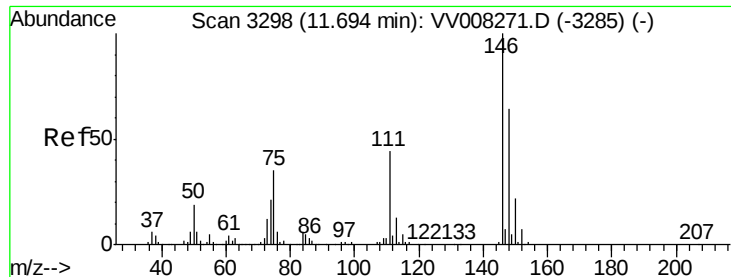
#63
 1,4-Dichlorobenzene
 Concen: 5.143 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008356.D
 Acq: 19 Oct 2018 09:45

Tgt Ion:146 Resp: 80549
 Ion Ratio Lower Upper
 146 100
 111 42.3 30.0 55.6
 148 66.3 44.5 82.7



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: 5.107 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

Instrument :

MSVOA_V

ClientSampleId :

BFB89

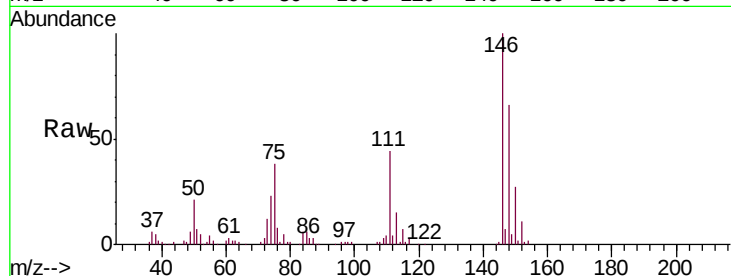
Tgt Ion:146 Resp: 77443

Ion Ratio Lower Upper

146 100

111 44.1 35.5 53.3

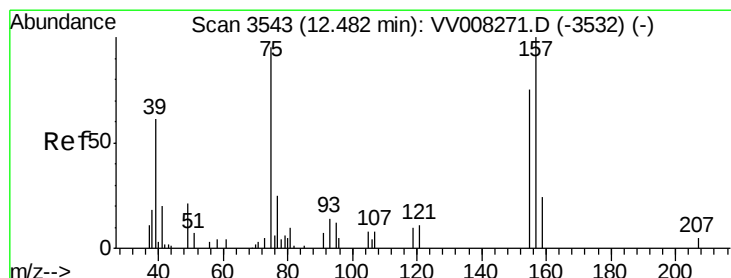
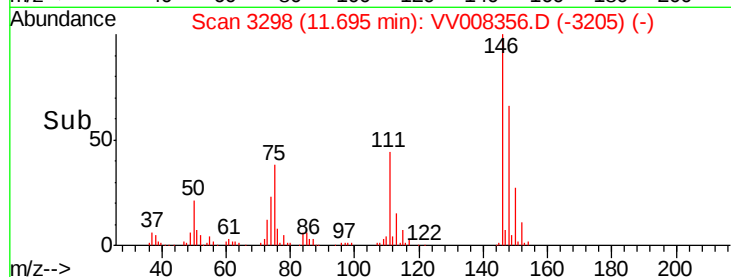
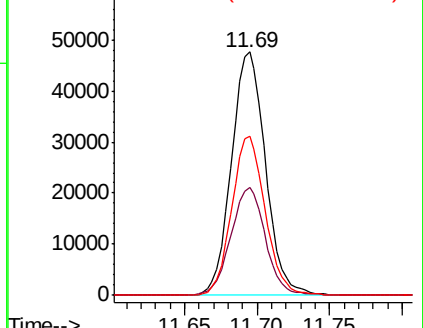
148 65.6 51.5 77.3



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: 4.161 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

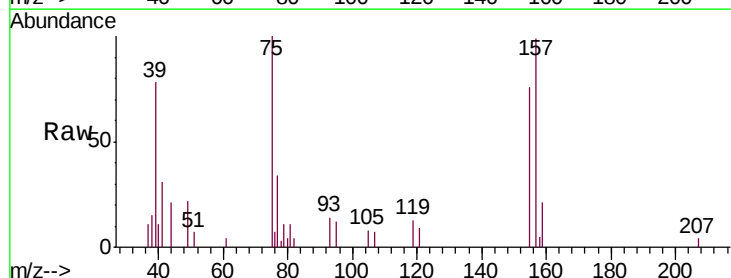
Tgt Ion: 75 Resp: 4760

Ion Ratio Lower Upper

75 100

155 76.0 63.6 95.4

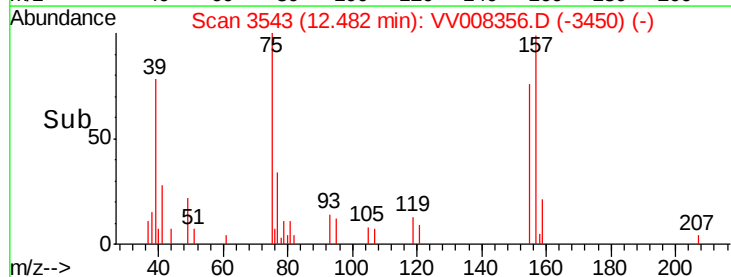
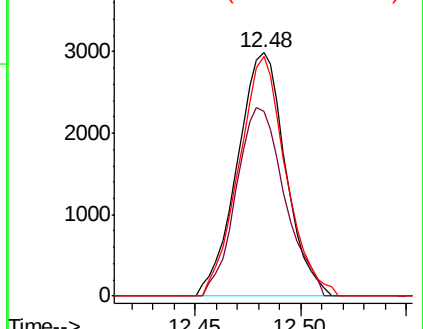
157 98.6 84.3 126.5

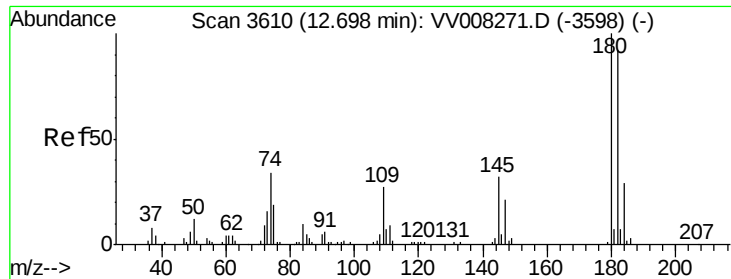


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 5.357 ug/L

RT: 12.70 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

Instrument :

MSVOA_V

ClientSampleId :

BFB89

Tgt Ion:180 Resp: 54830

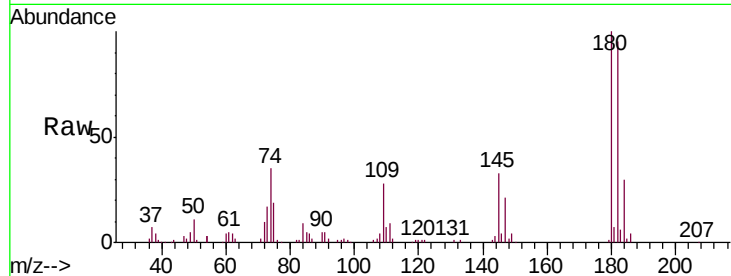
Ion Ratio Lower Upper

180 100

182 95.2 74.5 111.7

184 29.4 23.5 35.3

145 32.7 25.9 38.9

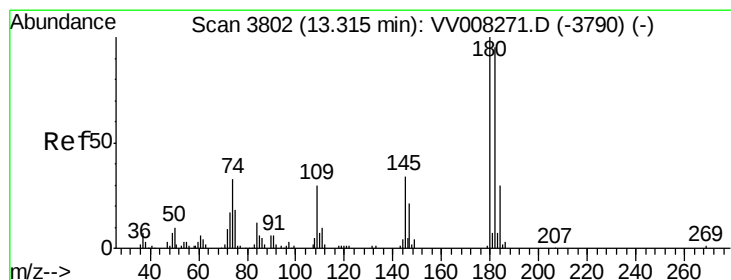
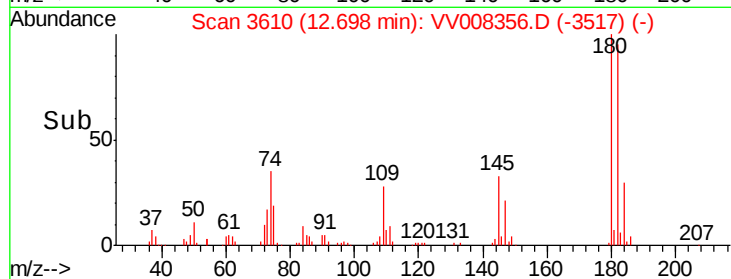
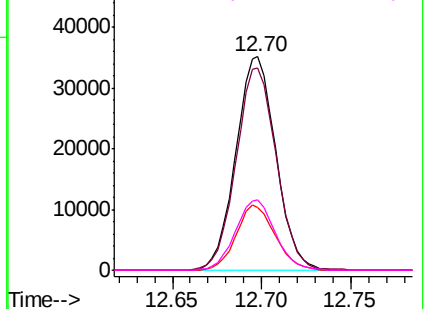


Abundance Ion 180.00 (179.70 to 180.70): V

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: 5.450 ug/L

RT: 13.32 min Scan# 3802

Delta R.T. 0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

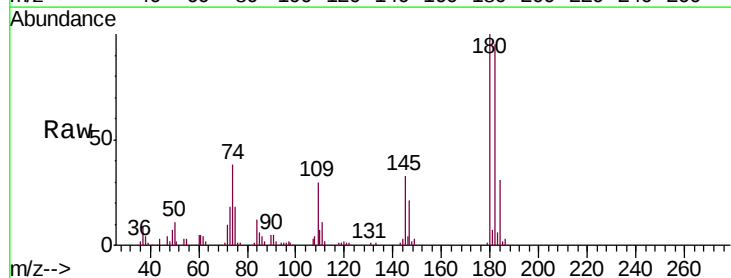
Tgt Ion:180 Resp: 39711

Ion Ratio Lower Upper

180 100

182 94.8 75.3 112.9

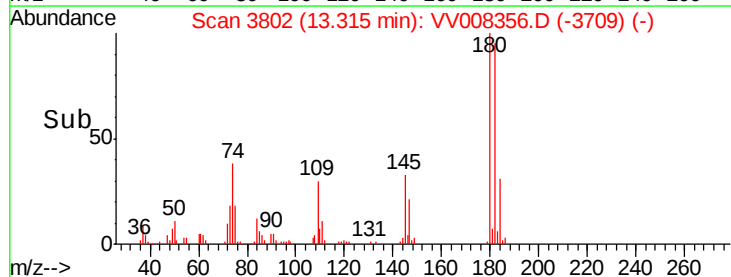
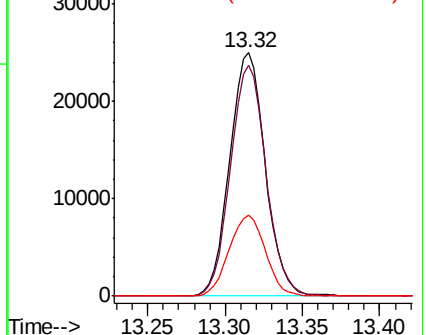
145 33.7 26.1 39.1

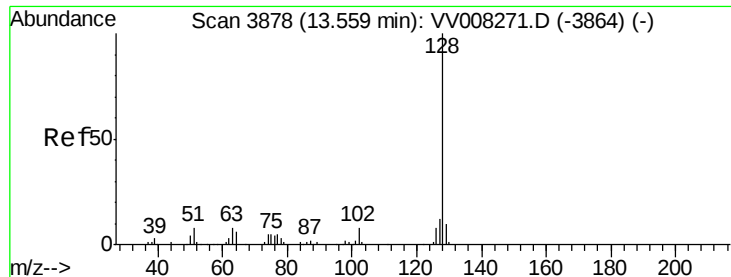


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.653 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

Instrument :

MSVOA_V

ClientSampleId :

BFB89

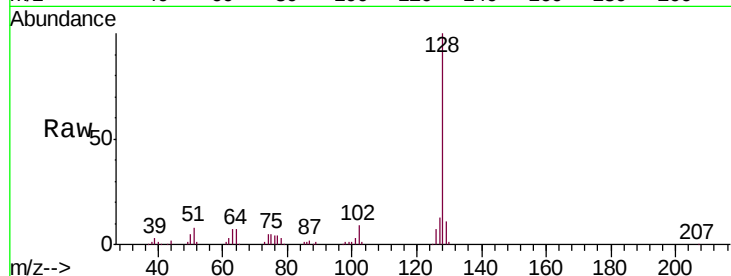
Tgt Ion:128 Resp: 63193

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

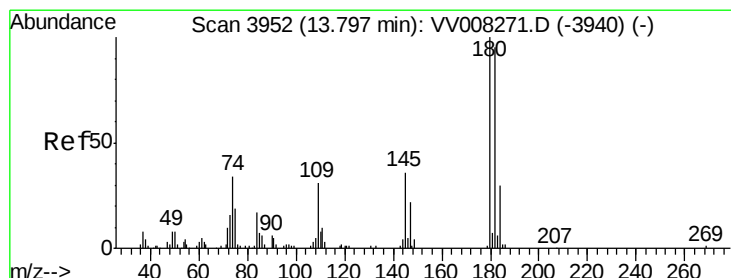
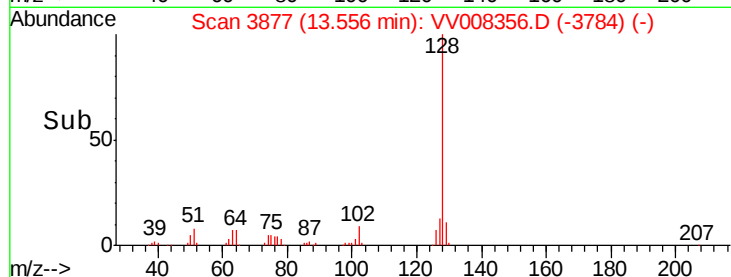
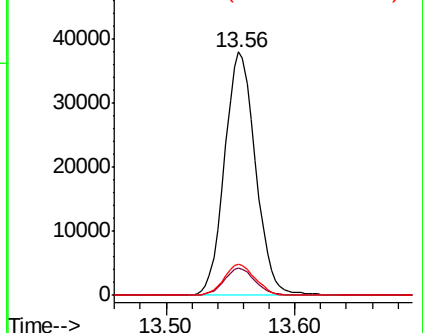
127 12.7 10.1 15.1



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: 5.175 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008356.D

Acq: 19 Oct 2018 09:45

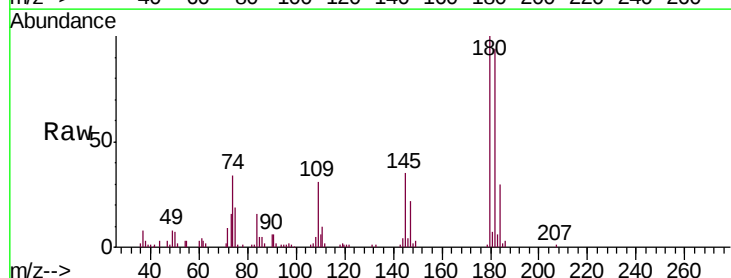
Tgt Ion:180 Resp: 37430

Ion Ratio Lower Upper

180 100

182 95.8 75.8 113.8

145 34.8 28.3 42.5



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

