

Data File : VV008388.D
Acq On : 24 Oct 2018 12:46
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB49

Quant Time: Oct 25 08:48:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 24 02:41:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	198676	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	183780	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	85474	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	50386	45.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.62%
7) Chloroethane-d5	1.57	69	38475	48.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.88%
11) 1,1-Dichloroethene-d2	2.13	63	94347	47.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.98%
21) 2-Butanone-d5	3.93	46	113931	95.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.30%
24) Chloroform-d	4.41	84	127419	46.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.92%
26) 1,2-Dichloroethane-d4	5.08	65	83846	46.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.44%
32) Benzene-d6	5.10	84	248637	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.96%
36) 1,2-Dichloropropane-d6	6.12	67	84473	46.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.94%
41) Toluene-d8	7.36	98	228320	48.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.02%
43) trans-1,3-Dichloropropene-	7.67	79	42424	48.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.08%
47) 2-Hexanone-d5	8.14	63	90520	95.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.36%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	118702	48.21	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.42%
64) 1,2-Dichlorobenzene-d4	11.68	152	83575	47.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	69019	48.650	ug/L	99
3) Chloromethane	1.25	50	74348	48.922	ug/L	97
5) Vinyl chloride	1.33	62	68187	48.423	ug/L	97
6) Bromomethane	1.52	94	19364	50.117	ug/L	98
8) Chloroethane	1.59	64	38698	52.310	ug/L	94
9) Trichlorofluoromethane	1.77	101	88805	49.002	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	48398	51.118	ug/L	98
12) 1,1-Dichloroethene	2.14	96	43063	48.308	ug/L	88
13) Acetone	2.19	43	92366	99.551	ug/L	100
14) Carbon disulfide	2.32	76	197044	49.078	ug/L	99
15) Methyl Acetate	2.46	43	85485	46.202	ug/L	100
16) Methylene chloride	2.54	84	73604	47.674	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	65002	47.837	ug/L	98
18) Methyl tert-butyl Ether	2.81	73	235615	48.445	ug/L	100
19) 1,1-Dichloroethane	3.23	63	133015	47.463	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	76415	49.361	ug/L	93
22) 2-Butanone	4.02	43	133764	99.792	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	35060	48.021	ug/L	99
25) Chloroform	4.43	83	131178	47.948	ug/L	98
27) 1,2-Dichloroethane	5.18	62	109117	47.751	ug/L	96
29) Cyclohexane	4.73	56	130218	48.665	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	114049	47.854	ug/L	100
31) Carbon tetrachloride	4.88	117	98389	48.647	ug/L	99
33) Benzene	5.15	78	289216	48.143	ug/L	100
34) Trichloroethene	5.96	95	73859	48.022	ug/L	98
35) Methylcyclohexane	6.18	83	130975	50.089	ug/L	100
37) 1,2-Dichloropropane	6.23	63	79766	48.077	ug/L	100
38) Bromodichloromethane	6.56	83	102140	48.312	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	128163	49.135	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	229593	93.449	ug/L	99
42) Toluene	7.43	91	307885	49.340	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	121711	49.876	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	70962	48.374	ug/L	99
46) Tetrachloroethene	8.02	164	51376	51.240	ug/L	98
48) 2-Hexanone	8.19	43	180866	95.404	ug/L	100
49) Dibromochloromethane	8.29	129	77243	48.999	ug/L	99
50) 1,2-Dibromoethane	8.40	107	74519	48.424	ug/L	99
51) Chlorobenzene	8.93	112	191679	49.887	ug/L	100
52) Ethylbenzene	9.06	91	350839	50.192	ug/L	100
53) m,p-Xylene	9.18	106	127542	49.944	ug/L	100
54) o-xylene	9.59	106	127011	49.808	ug/L	99
55) Styrene	9.61	104	215611	50.181	ug/L	100
56) Isopropylbenzene	9.98	105	338665	50.759	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	123411	48.035	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	100781	48.470	ug/L	99
61) Bromoform	9.78	173	53244	49.368	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	140740	49.803	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	141602	49.995	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	141997	49.274	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	27848	47.006	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	94926	51.443	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	75000	50.238	ug/L	99
69) Naphthalene	13.56	128	224533	46.510	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	73632	49.351	ug/L	99

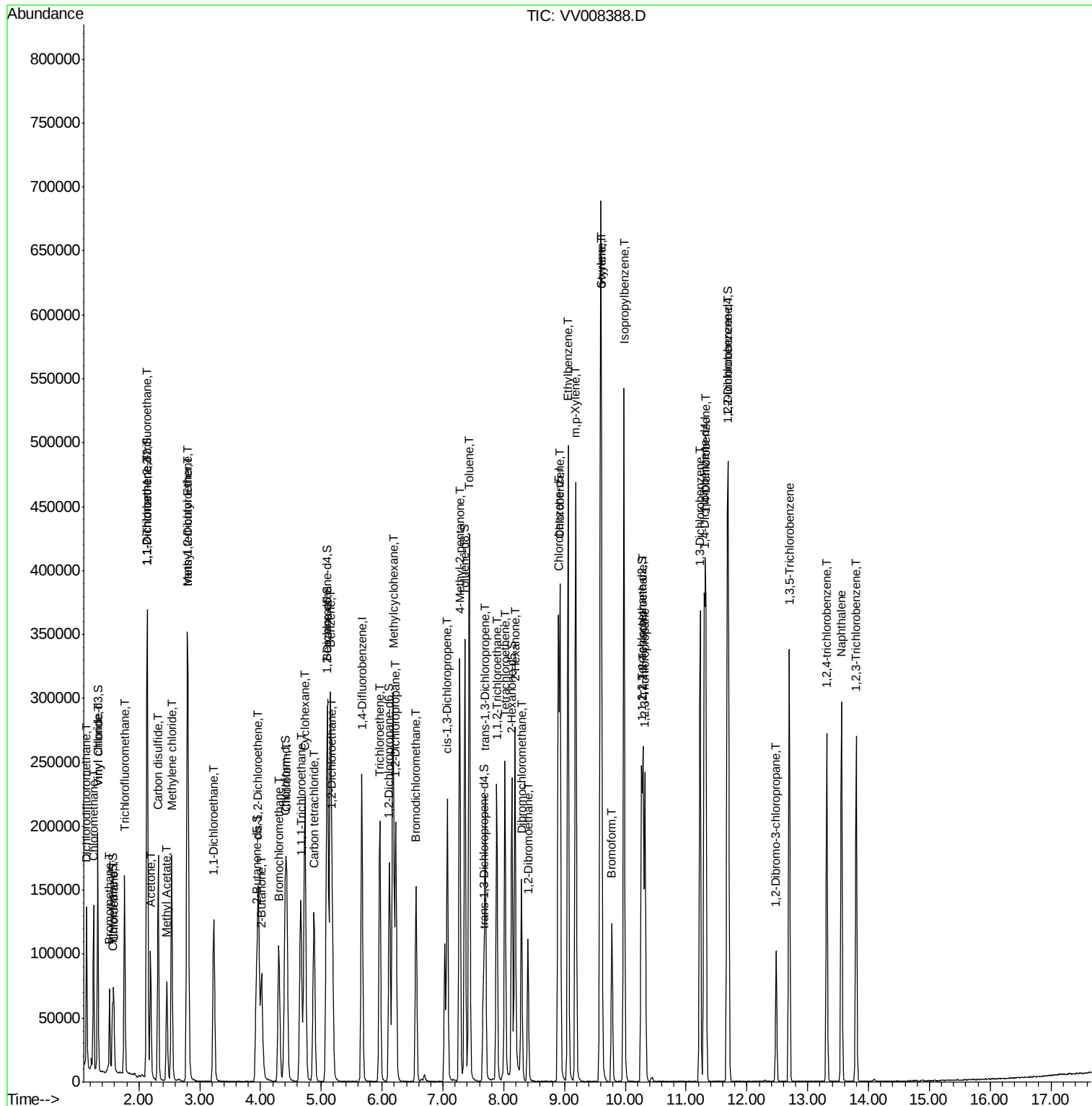
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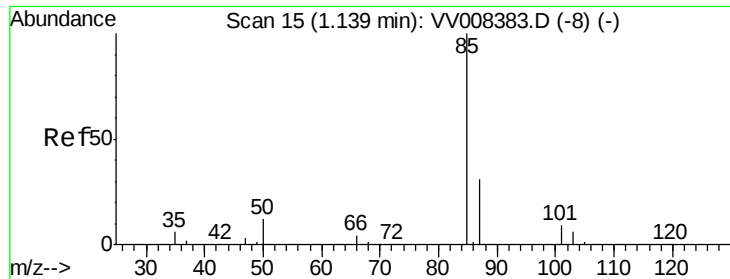
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#2

Dichlorodifluoromethane

Concen: 48.650 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008388.D

Acq: 24 Oct 2018 12:46

Instrument :

MSVOA_V

ClientSampleId :

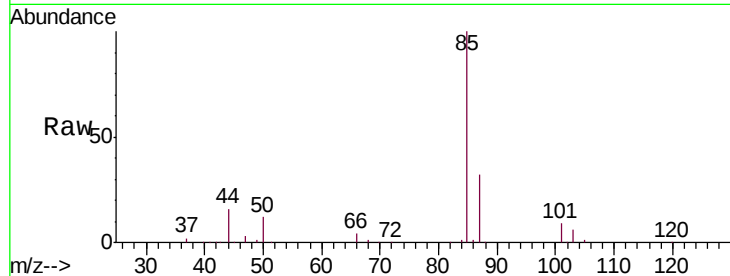
BFB49

Tgt Ion: 85 Resp: 69019

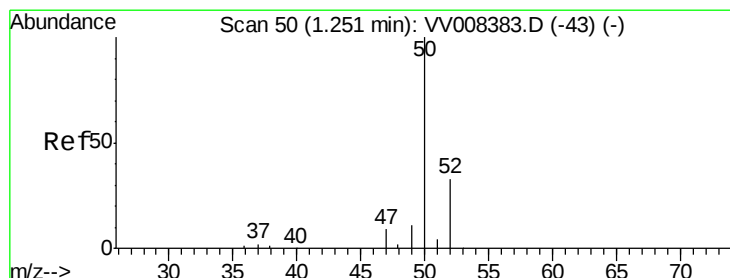
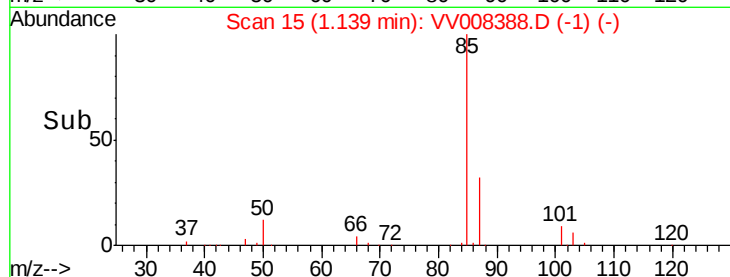
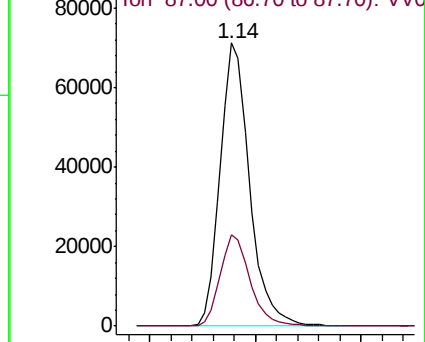
Ion Ratio Lower Upper

85 100

87 32.5 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV008388.D (-8) (-)



#3

Chloromethane

Concen: 48.922 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008388.D

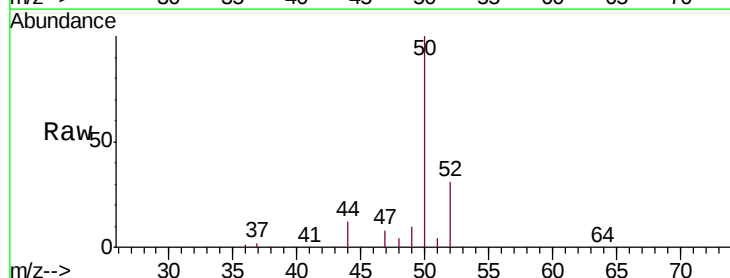
Acq: 24 Oct 2018 12:46

Tgt Ion: 50 Resp: 74348

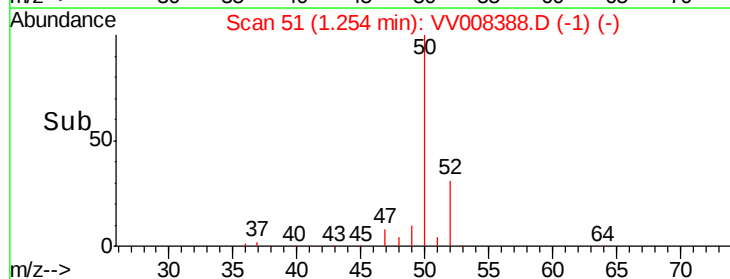
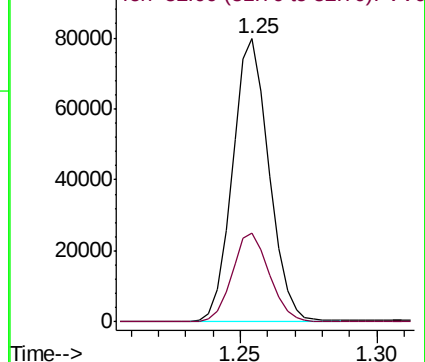
Ion Ratio Lower Upper

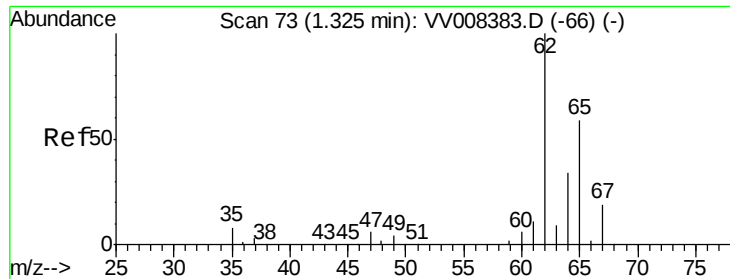
50 100

52 31.3 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV008388.D (-43) (-)





#5

Vinyl chloride

Concen: 48.423 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008388.D

Acq: 24 Oct 2018 12:46

Instrument :

MSVOA_V

ClientSampleId :

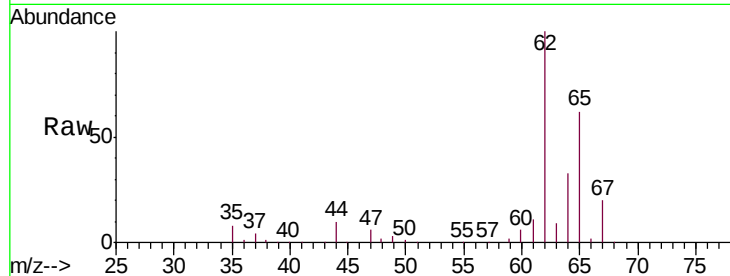
BFB49

Tgt Ion: 62 Resp: 68187

Ion Ratio Lower Upper

62 100

64 33.1 24.4 45.4



Abundance Ion 62.00 (61.70 to 62.70): VV008388.D (-66) (-)

Ion 64.00 (63.70 to 64.70): VV008388.D (-66) (-)

1.33

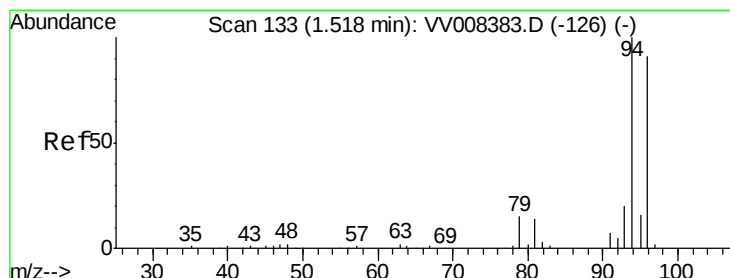
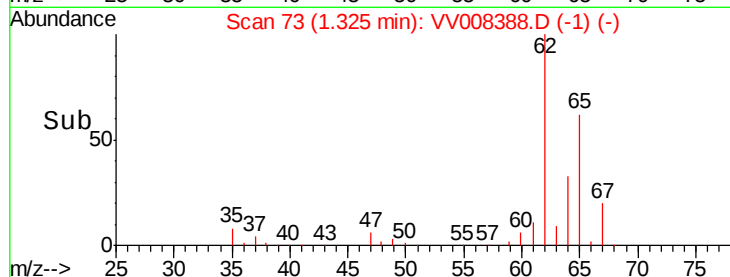
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 50.117 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.00 min

Lab File: VV008388.D

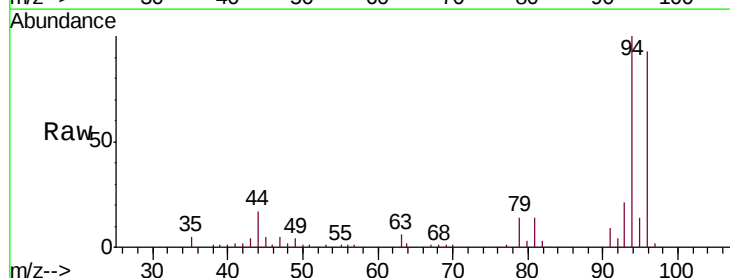
Acq: 24 Oct 2018 12:46

Tgt Ion: 94 Resp: 19364

Ion Ratio Lower Upper

94 100

96 93.2 63.8 118.6



Abundance Ion 94.00 (93.70 to 94.70): VV008388.D (-126) (-)

Ion 96.00 (95.70 to 96.70): VV008388.D (-126) (-)

1.52

25000

20000

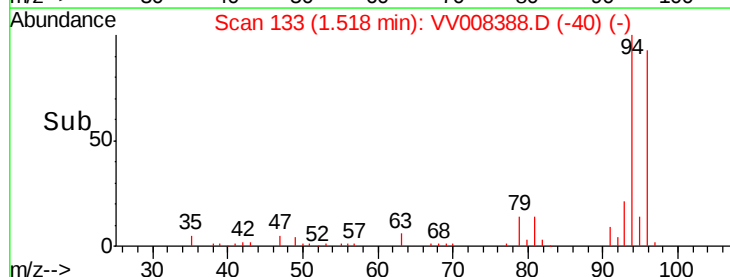
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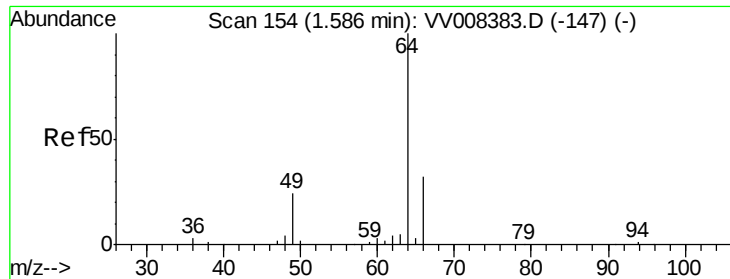
10000

5000

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Time-->

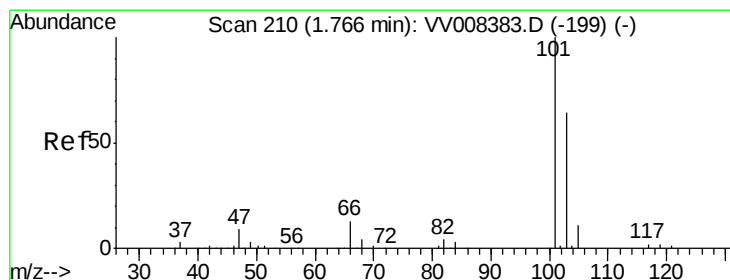
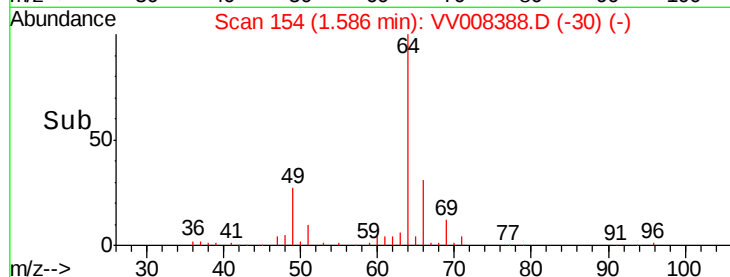
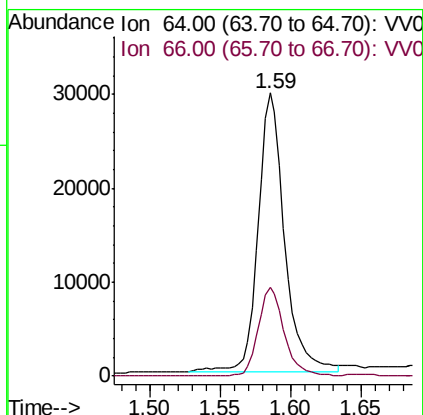
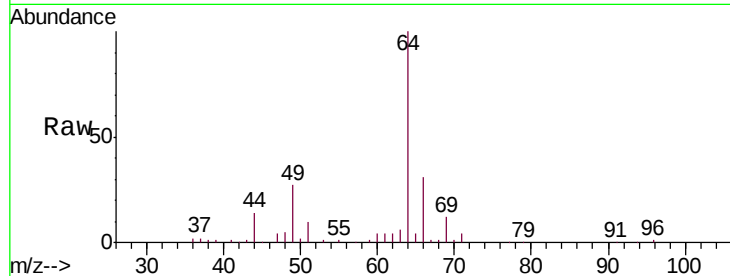




#8
 Chloroethane
 Concen: 52.310 ug/L
 RT: 1.59 min Scan# 154
 Delta R.T. -0.00 min
 Lab File: VV008388.D
 Acq: 24 Oct 2018 12:46

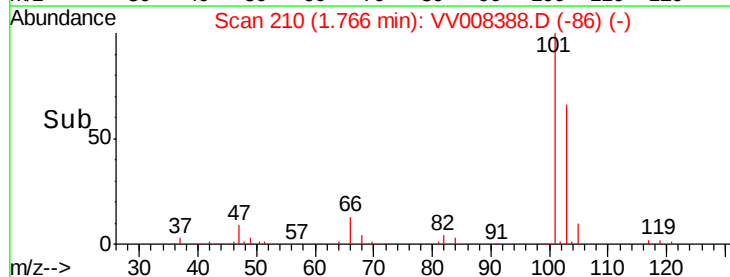
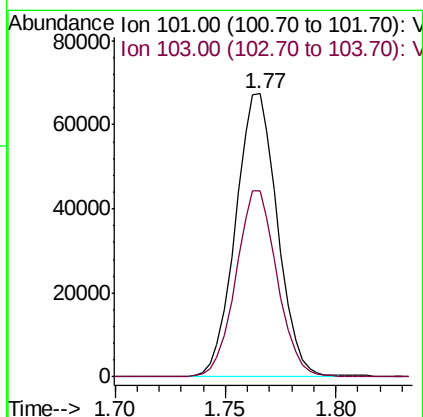
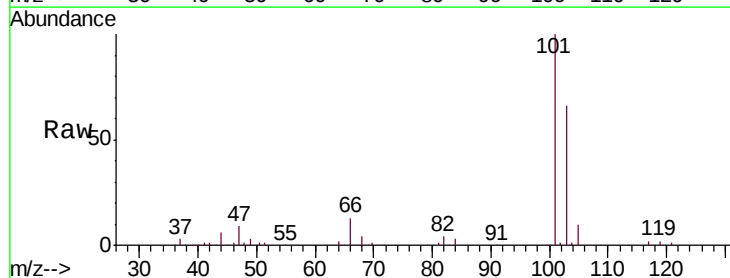
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB49

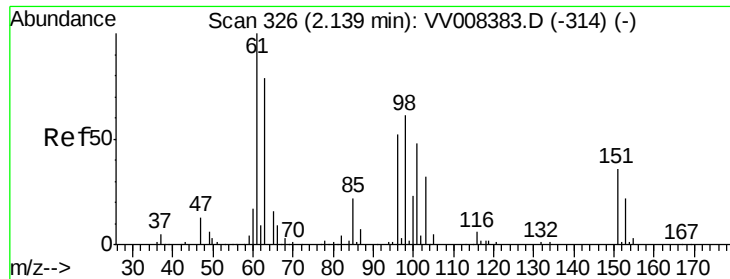
Tgt Ion: 64 Resp: 38698
 Ion Ratio Lower Upper
 64 100
 66 31.5 19.9 36.9



#9
 Trichlorofluoromethane
 Concen: 49.002 ug/L
 RT: 1.77 min Scan# 210
 Delta R.T. -0.00 min
 Lab File: VV008388.D
 Acq: 24 Oct 2018 12:46

Tgt Ion: 101 Resp: 88805
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.0 76.6





#10

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

Concen: 51.118 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008388.D

Acq: 24 Oct 2018 12:46

Instrument :

MSVOA_V

ClientSampleId :

BFB49

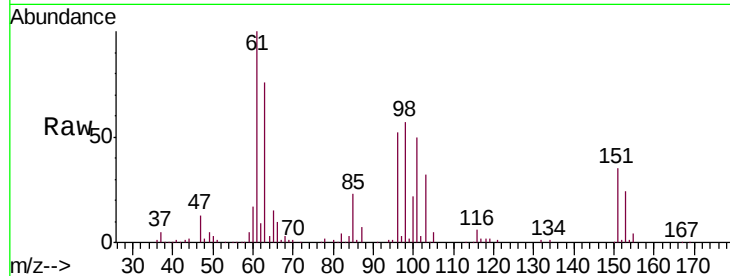
Tgt Ion: 101 Resp: 48398

Ion Ratio Lower Upper

101 100

85 44.4 35.6 53.4

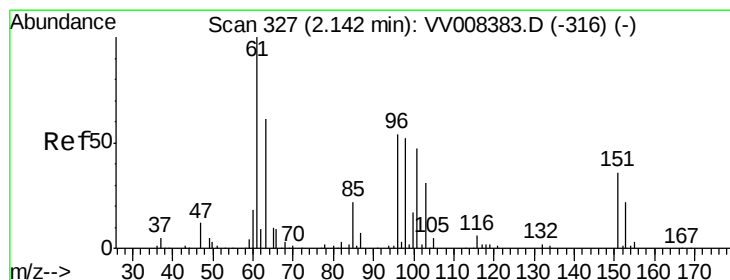
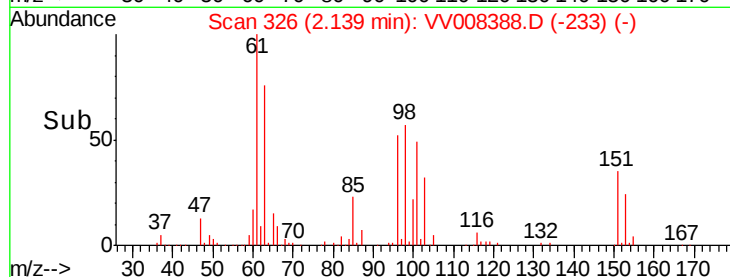
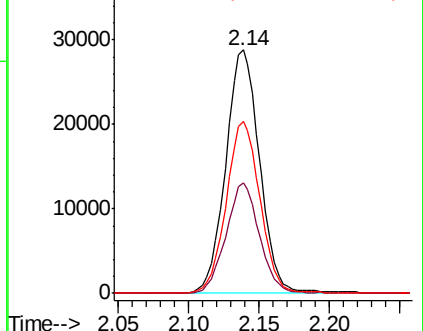
151 70.2 58.1 87.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.308 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008388.D

Acq: 24 Oct 2018 12:46

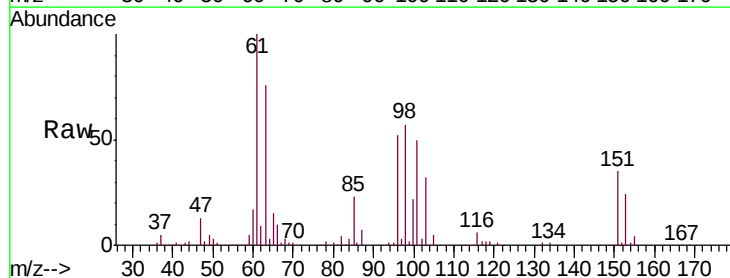
Tgt Ion: 96 Resp: 43063

Ion Ratio Lower Upper

96 100

61 193.4 130.3 242.1

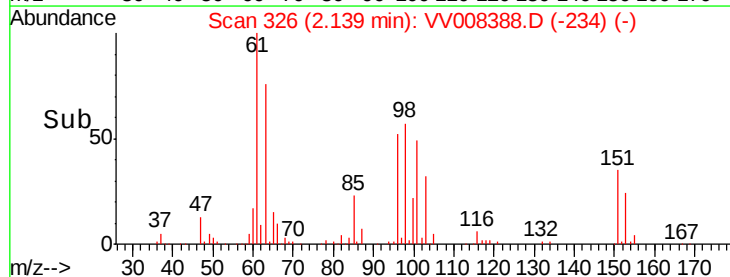
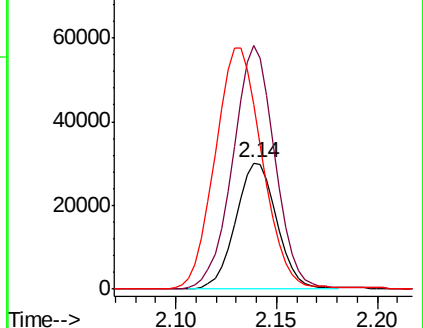
63 146.5 84.4 156.8

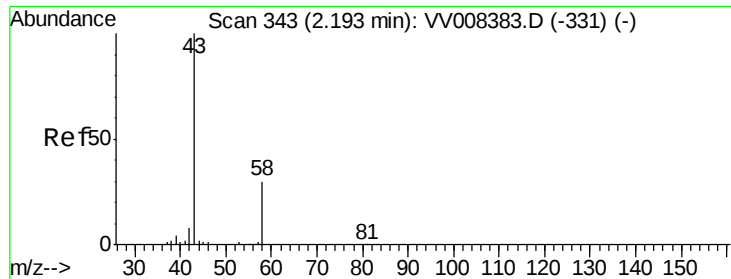


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 99.551 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

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ClientSampleId :

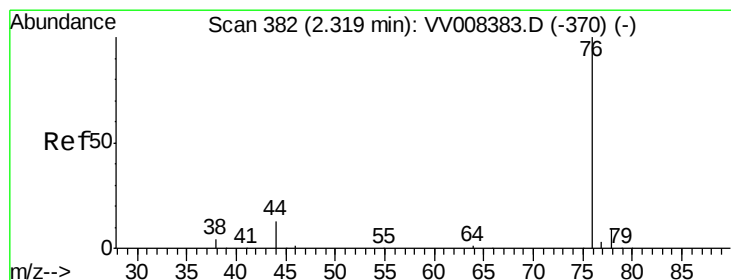
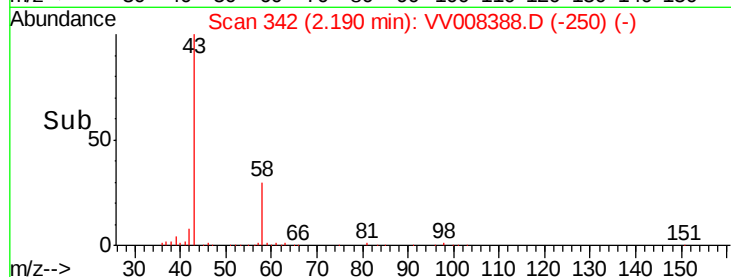
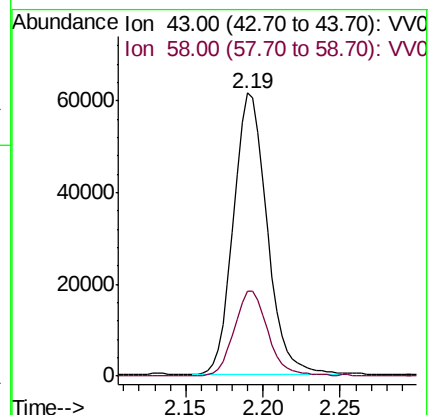
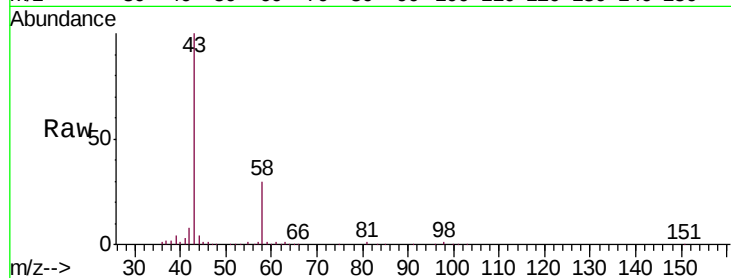
BFB49

Tgt Ion: 43 Resp: 92366

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.4



#14

Carbon disulfide

Concen: 49.078 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV008388.D

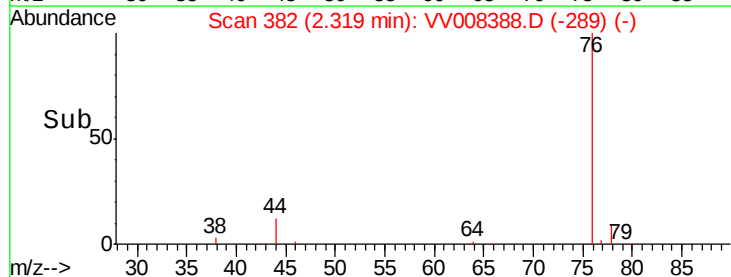
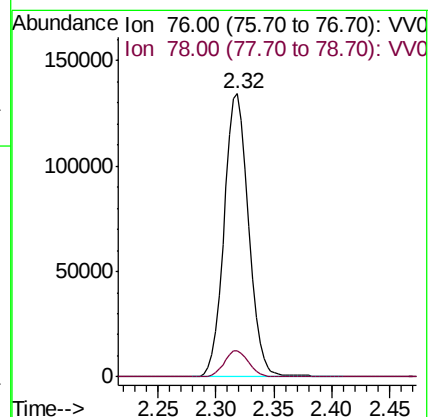
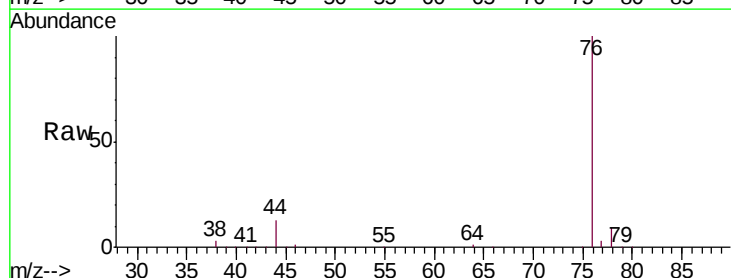
Acq: 24 Oct 2018 12:46

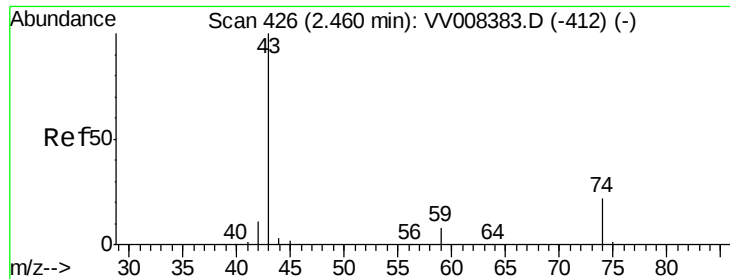
Tgt Ion: 76 Resp: 197044

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

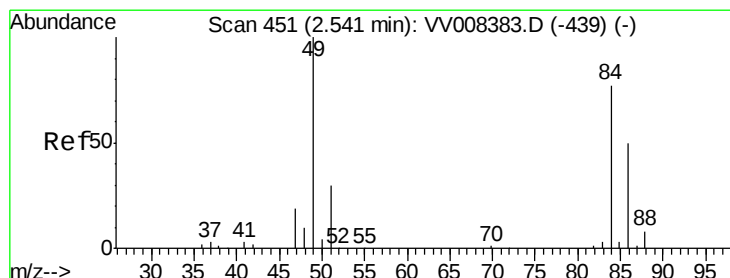
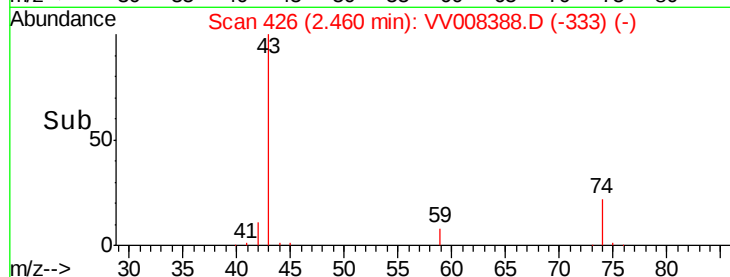
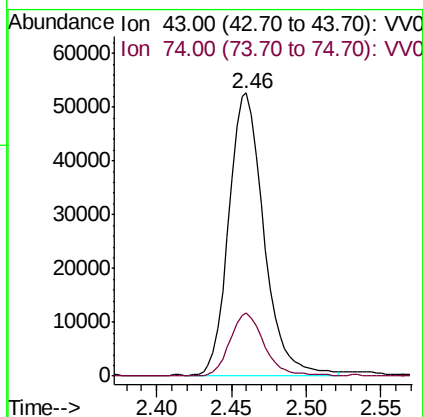
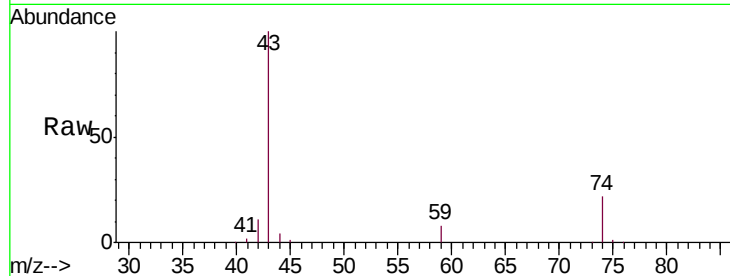




#15
Methyl Acetate
Concen: 46.202 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV008388.D
Acq: 24 Oct 2018 12:46

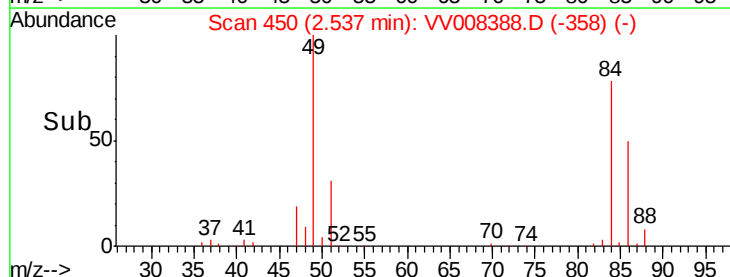
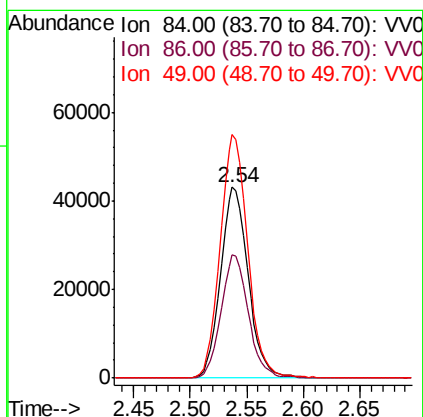
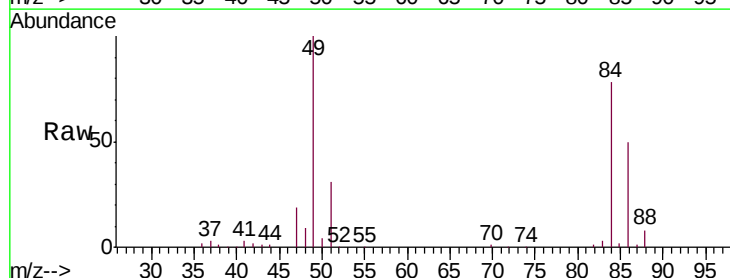
Instrument :
MSVOA_V
ClientSampleId :
BFB49

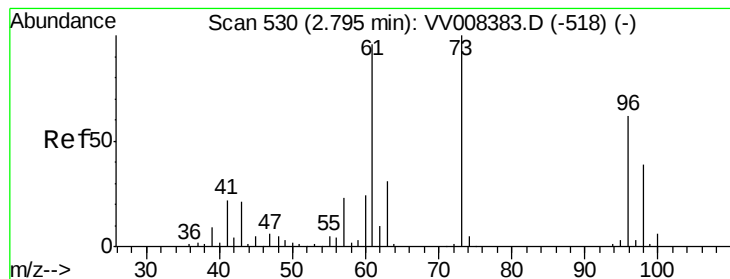
Tgt Ion: 43 Resp: 85485
Ion Ratio Lower Upper
43 100
74 22.1 17.8 26.6



#16
Methylene chloride
Concen: 47.674 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV008388.D
Acq: 24 Oct 2018 12:46

Tgt Ion: 84 Resp: 73604
Ion Ratio Lower Upper
84 100
86 64.5 45.6 84.6
49 127.7 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 47.837 ug/L

RT: 2.79 min Scan# 530

Delta R.T. -0.00 min

Lab File: VV008388.D

Acq: 24 Oct 2018 12:46

Instrument :

MSVOA_V

ClientSampleId :

BFB49

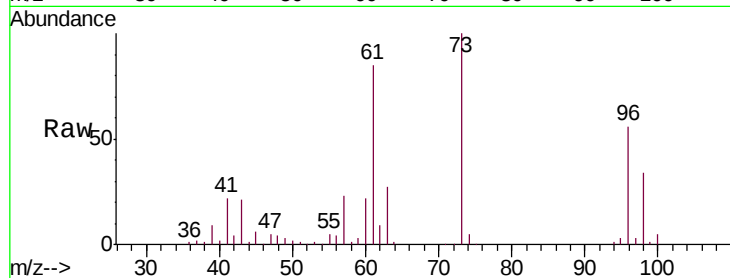
Tgt Ion: 96 Resp: 65002

Ion Ratio Lower Upper

96 100

61 153.3 108.6 201.6

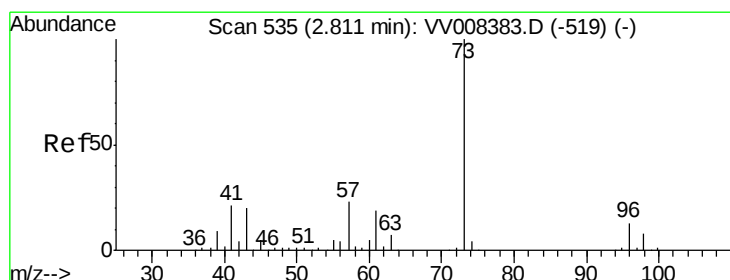
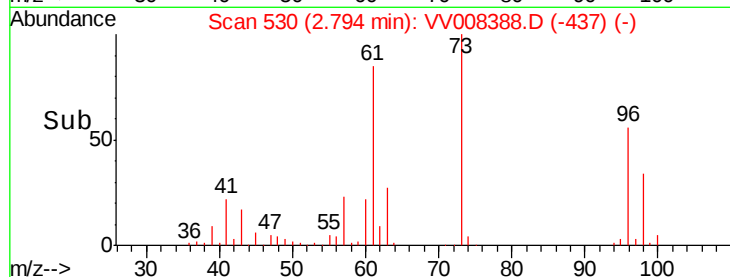
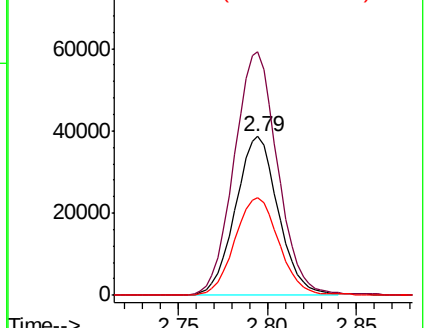
98 61.5 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VV008388.D (-437) (-)

Ion 61.00 (60.70 to 61.70): VV008388.D (-437) (-)

Ion 98.00 (97.70 to 98.70): VV008388.D (-437) (-)



#18

Methyl tert-butyl Ether

Concen: 48.445 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV008388.D

Acq: 24 Oct 2018 12:46

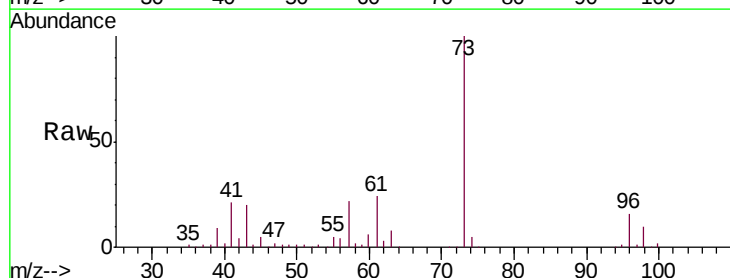
Tgt Ion: 73 Resp: 235615

Ion Ratio Lower Upper

73 100

43 20.2 16.2 24.4

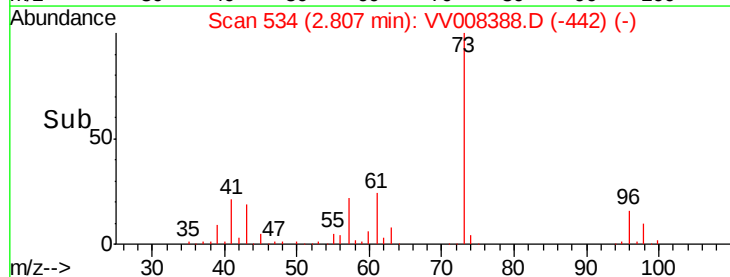
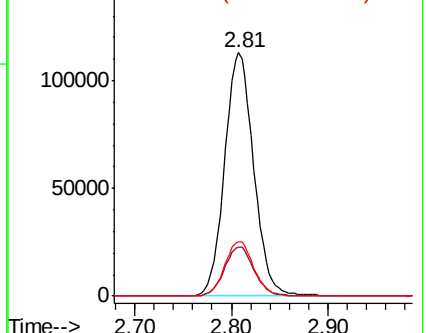
57 22.6 18.2 27.2

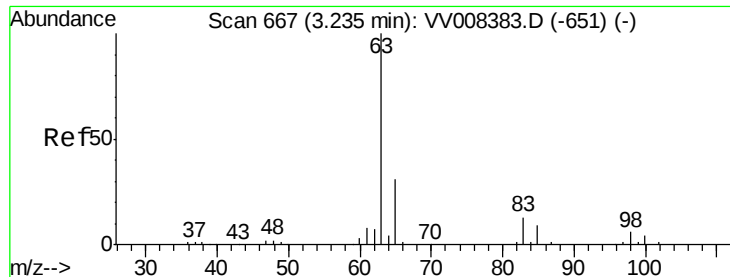


Abundance Ion 73.00 (72.70 to 73.70): VV008388.D (-442) (-)

Ion 43.00 (42.70 to 43.70): VV008388.D (-442) (-)

Ion 57.00 (56.70 to 57.70): VV008388.D (-442) (-)

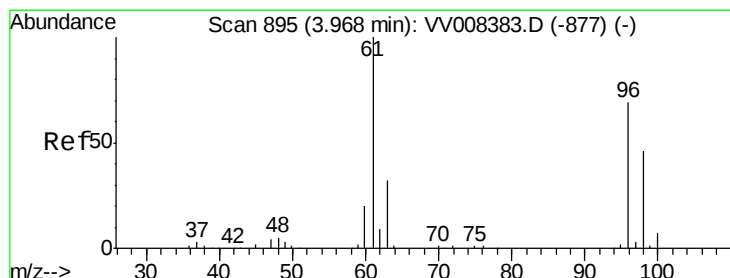
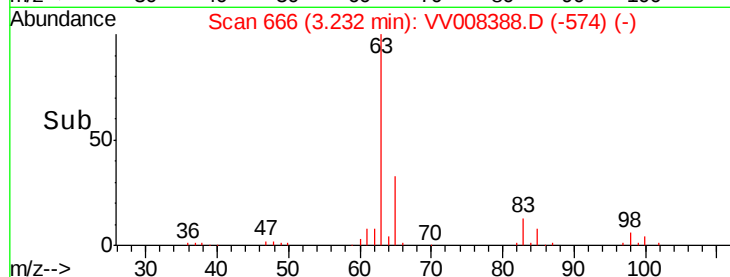
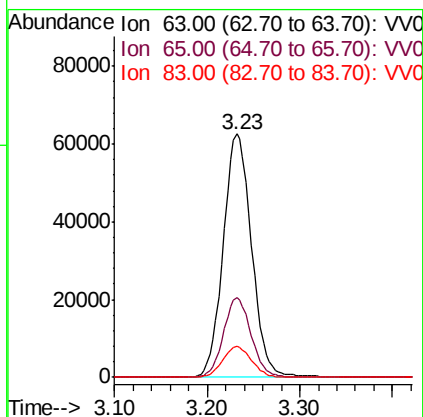
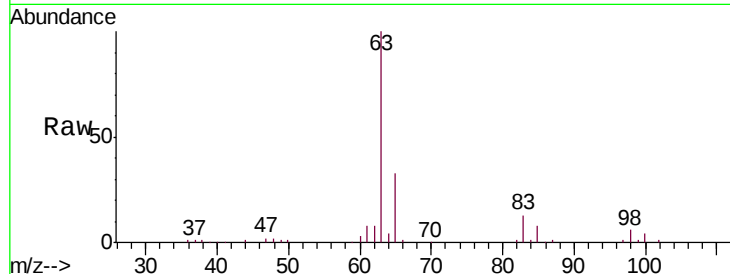




#19
 1,1-Dichloroethane
 Concen: 47.463 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV008388.D
 Acq: 24 Oct 2018 12:46

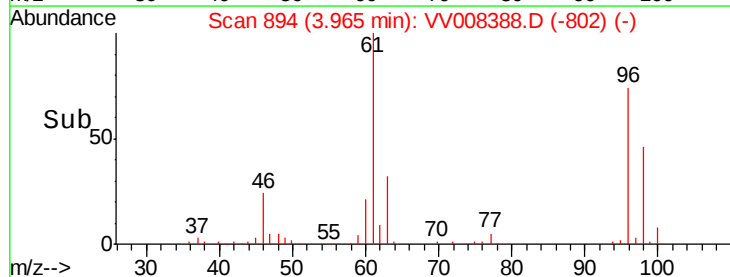
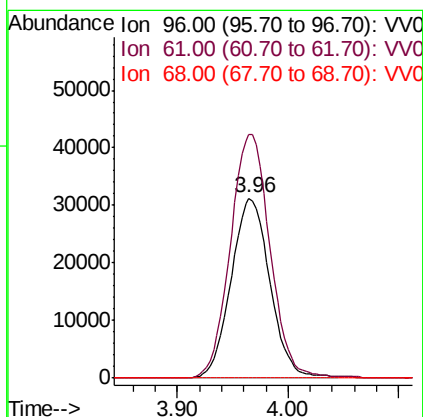
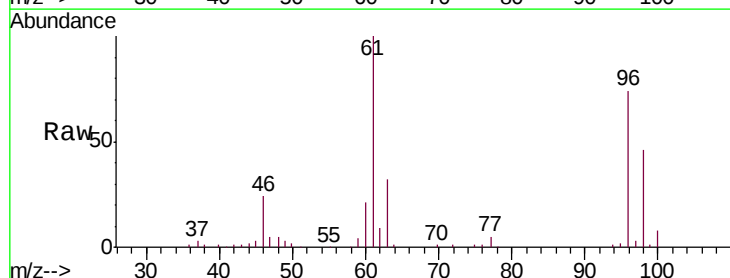
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB49

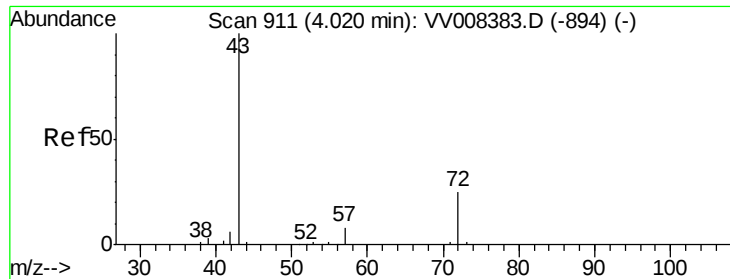
Tgt Ion: 63 Resp: 133015
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.0 40.8
 83 12.6 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 49.361 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VV008388.D
 Acq: 24 Oct 2018 12:46

Tgt Ion: 96 Resp: 76415
 Ion Ratio Lower Upper
 96 100
 61 135.4 100.9 187.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 99.792 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.00 min

Lab File: VV008388.D

Acq: 24 Oct 2018 12:46

Instrument :

MSVOA_V

ClientSampleId :

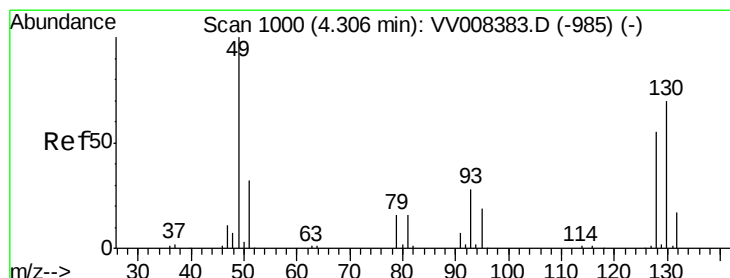
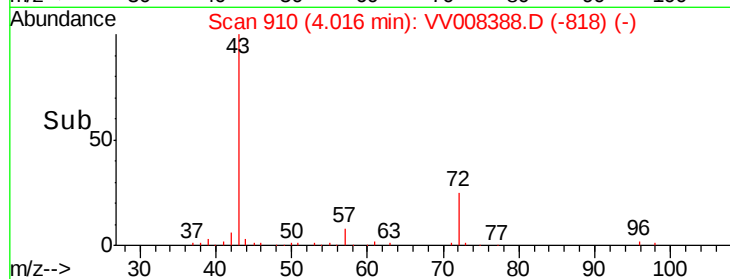
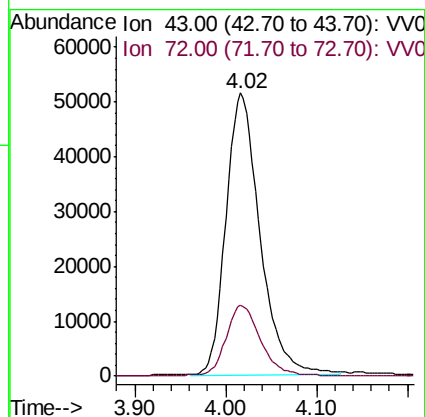
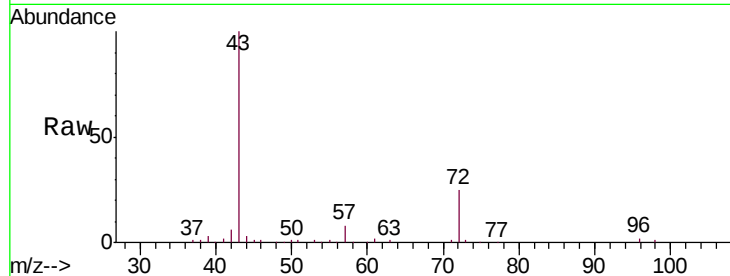
BFB49

Tgt Ion: 43 Resp: 133764

Ion Ratio Lower Upper

43 100

72 24.8 13.0 38.9



#23

Bromochloromethane

Concen: 48.021 ug/L

RT: 4.30 min Scan# 999

Delta R.T. -0.00 min

Lab File: VV008388.D

Acq: 24 Oct 2018 12:46

Tgt Ion: 128 Resp: 35060

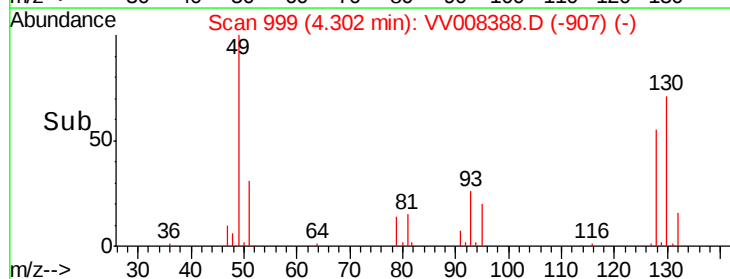
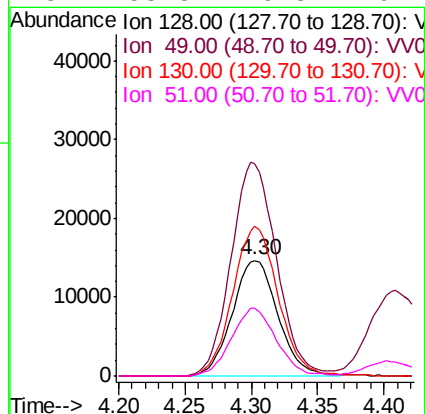
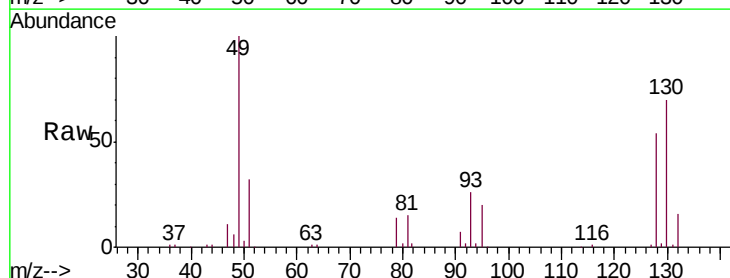
Ion Ratio Lower Upper

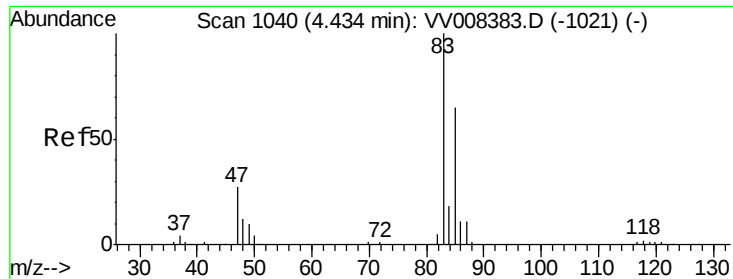
128 100

49 184.5 128.0 237.8

130 129.4 89.2 165.8

51 58.3 46.8 70.2

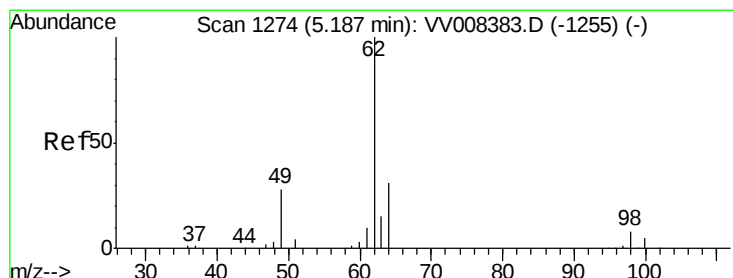
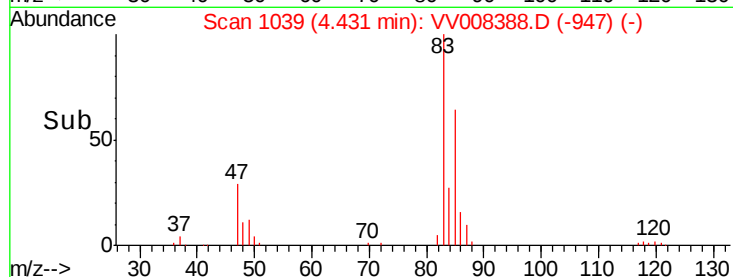
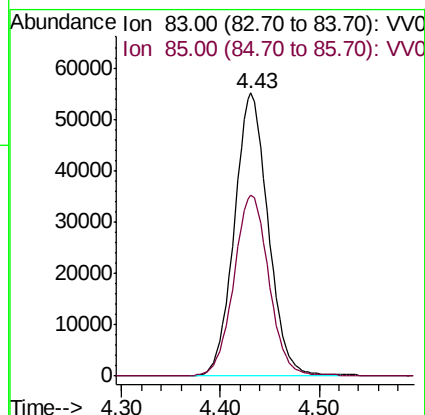
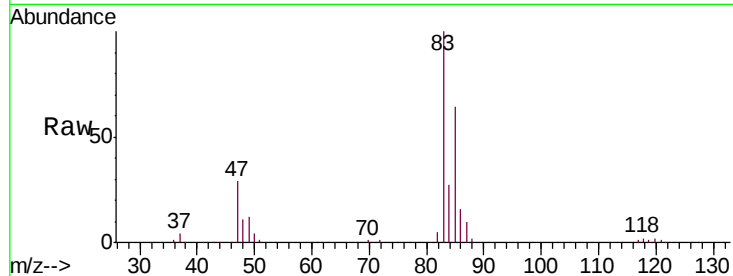




#25
Chloroform
Concen: 47.948 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV008388.D
Acq: 24 Oct 2018 12:46

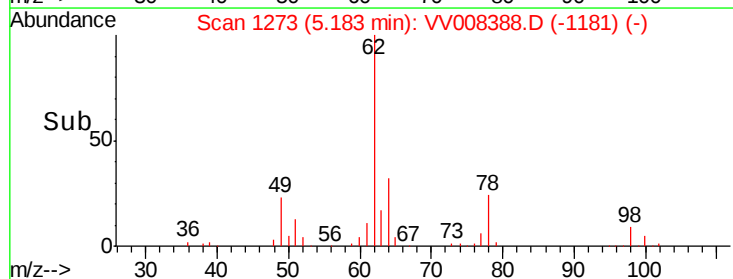
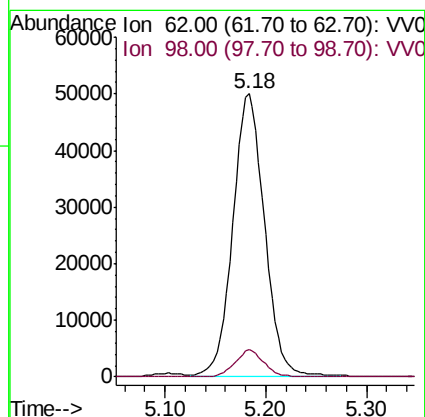
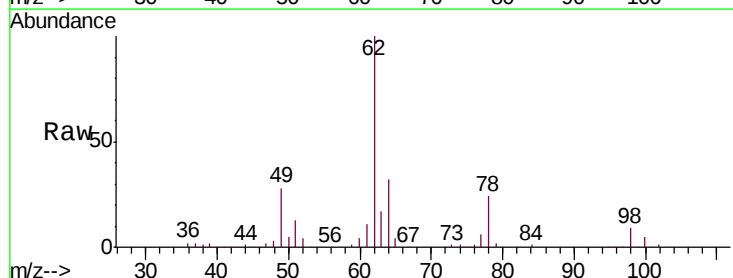
Instrument :
MSVOA_V
ClientSampleId :
BFB49

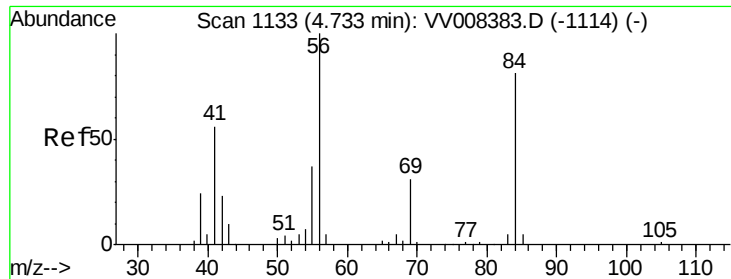
Tgt Ion: 83 Resp: 131178
Ion Ratio Lower Upper
83 100
85 64.1 45.8 85.2



#27
1,2-Dichloroethane
Concen: 47.751 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VV008388.D
Acq: 24 Oct 2018 12:46

Tgt Ion: 62 Resp: 109117
Ion Ratio Lower Upper
62 100
98 9.5 6.6 9.8

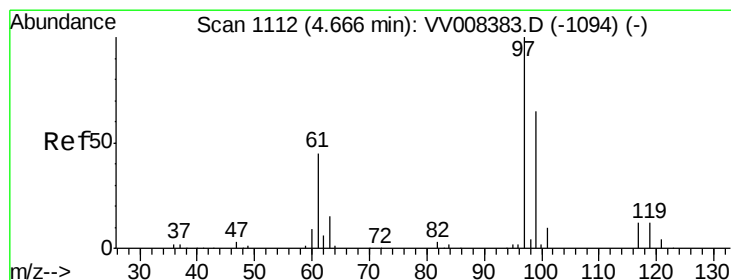
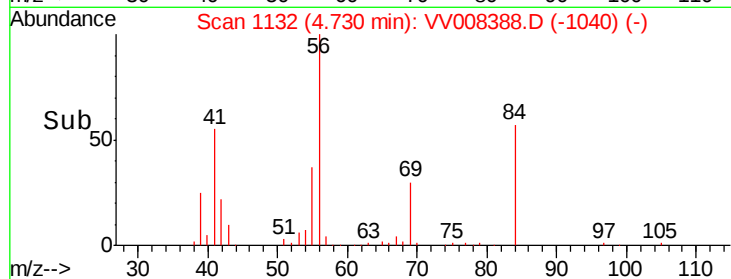
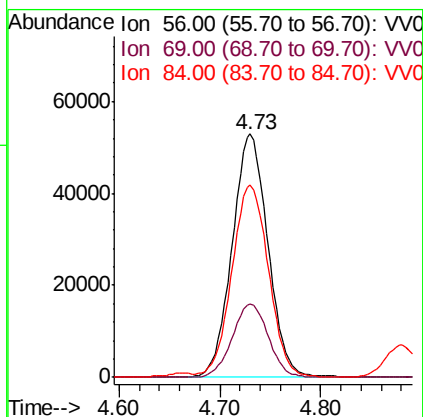
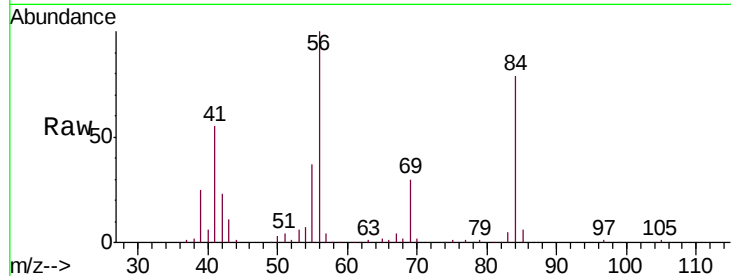




#29
Cyclohexane
Concen: 48.665 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VV008388.D
Acq: 24 Oct 2018 12:46

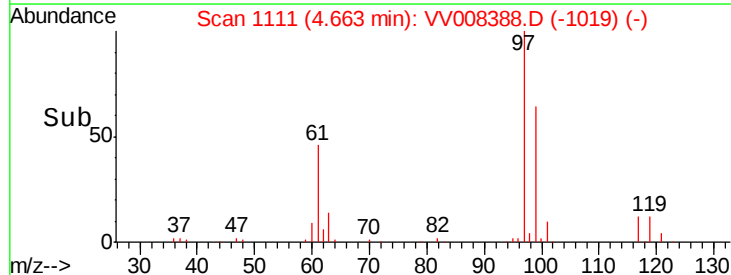
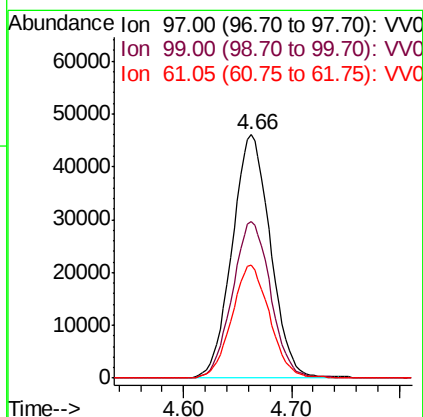
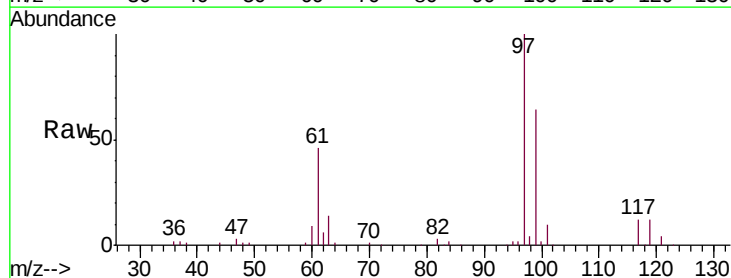
Instrument :
MSVOA_V
ClientSampleId :
BFB49

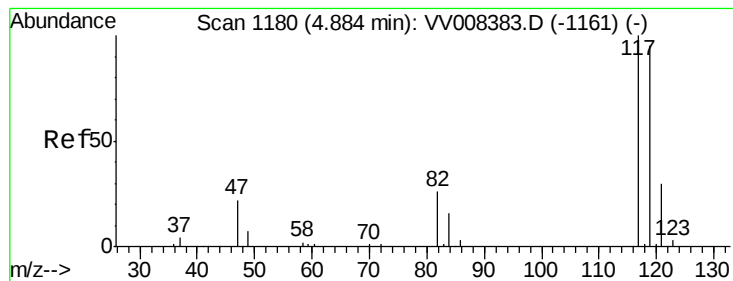
Tgt Ion: 56 Resp: 130218
Ion Ratio Lower Upper
56 100
69 30.4 24.6 37.0
84 80.3 65.0 97.4



#30
1,1,1-Trichloroethane
Concen: 47.854 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VV008388.D
Acq: 24 Oct 2018 12:46

Tgt Ion: 97 Resp: 114049
Ion Ratio Lower Upper
97 100
99 64.1 51.6 77.4
61 45.5 36.5 54.7





#31

Carbon tetrachloride

Concen: 48.647 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VV008388.D

Acq: 24 Oct 2018 12:46

Instrument :

MSVOA_V

ClientSampleId :

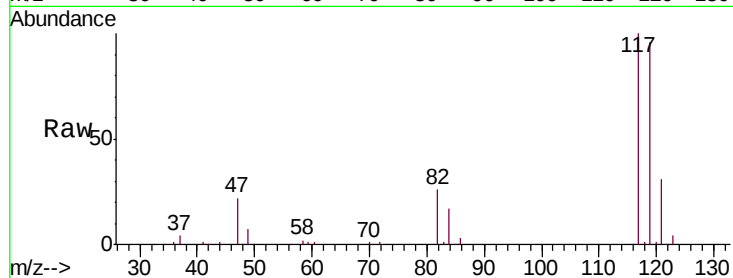
BFB49

Tgt Ion:117 Resp: 98389

Ion Ratio Lower Upper

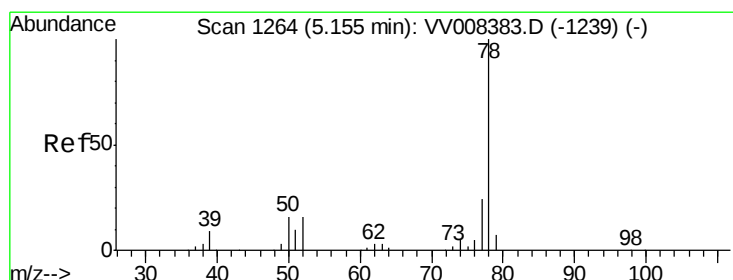
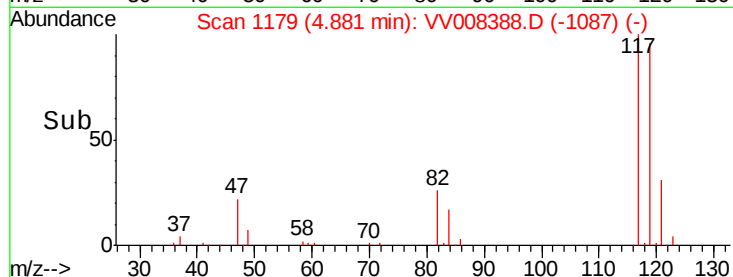
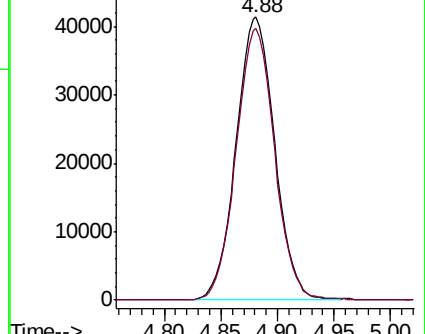
117 100

119 95.4 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.143 ug/L

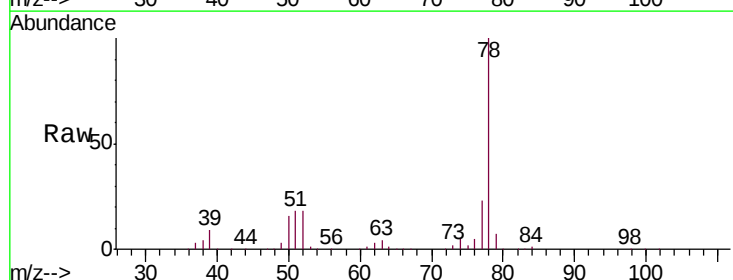
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

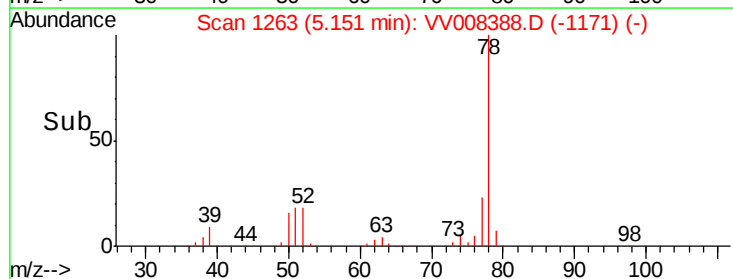
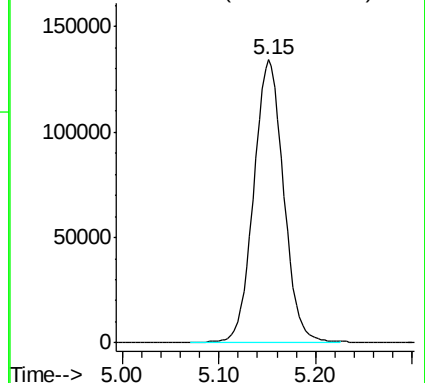
Lab File: VV008388.D

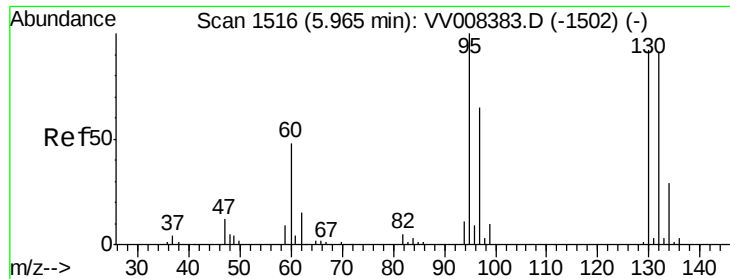
Acq: 24 Oct 2018 12:46

Tgt Ion: 78 Resp: 289216



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 48.022 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV008388.D

Acq: 24 Oct 2018 12:46

Instrument :

MSVOA_V

ClientSampleId :

BFB49

Tgt Ion: 95 Resp: 73859

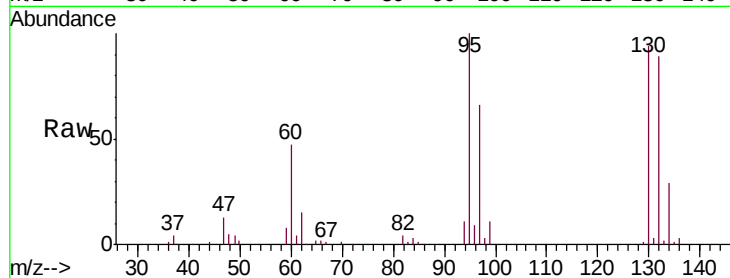
Ion Ratio Lower Upper

95 100

97 65.9 45.2 84.0

132 89.1 63.8 118.6

130 94.5 64.7 120.1

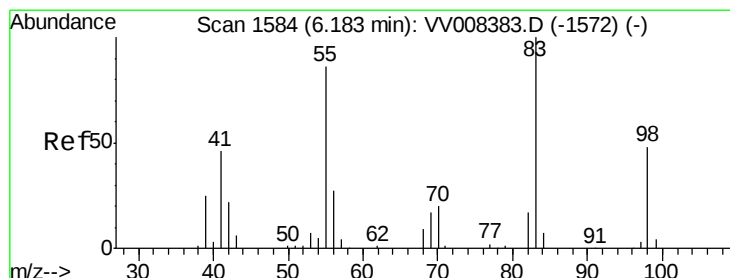
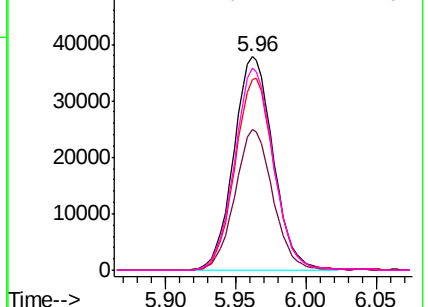
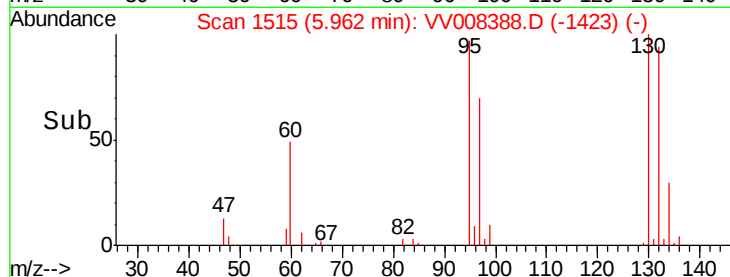


Abundance Ion 95.00 (94.70 to 95.70): VV008388.D (-1502) (-)

Ion 97.00 (96.70 to 97.70): VV008388.D (-1502) (-)

Ion 132.00 (131.70 to 132.70): VV008388.D (-1502) (-)

Ion 130.00 (129.70 to 130.70): VV008388.D (-1502) (-)



#35

Methylcyclohexane

Concen: 50.089 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VV008388.D

Acq: 24 Oct 2018 12:46

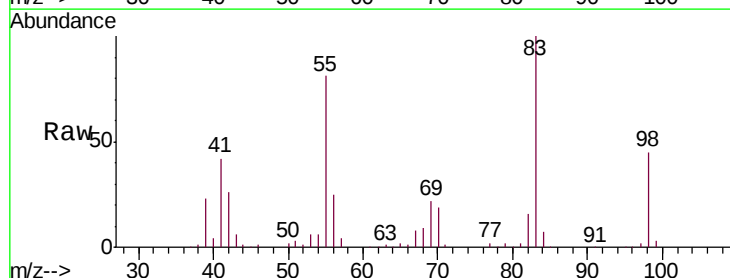
Tgt Ion: 83 Resp: 130975

Ion Ratio Lower Upper

83 100

55 81.2 65.0 97.4

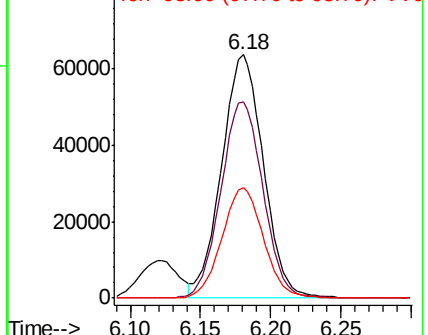
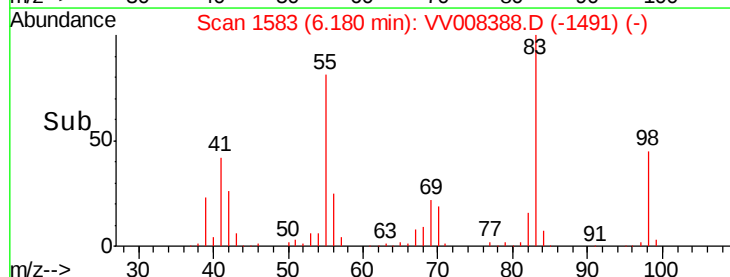
98 45.1 36.0 54.0

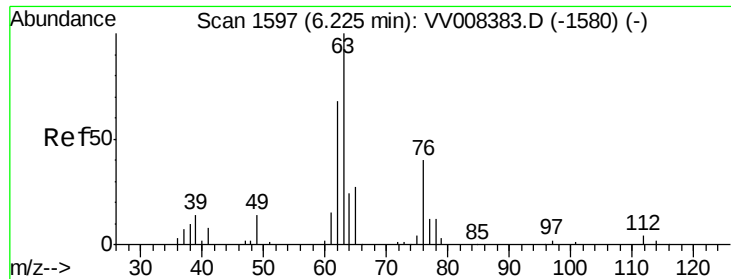


Abundance Ion 83.00 (82.70 to 83.70): VV008388.D (-1583) (-)

Ion 55.00 (54.70 to 55.70): VV008388.D (-1583) (-)

Ion 98.00 (97.70 to 98.70): VV008388.D (-1583) (-)

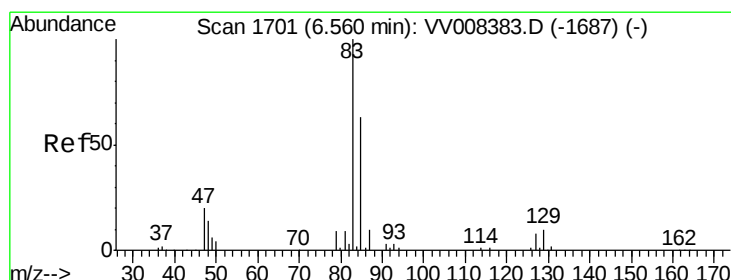
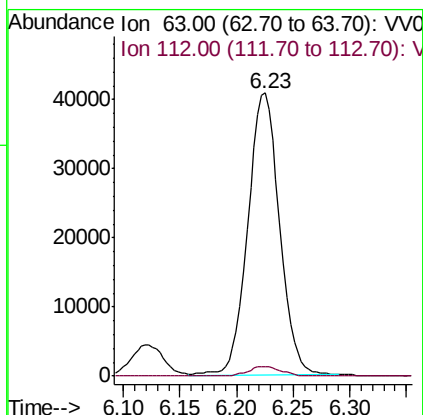
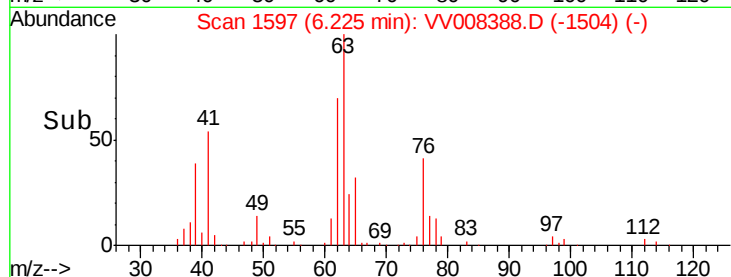
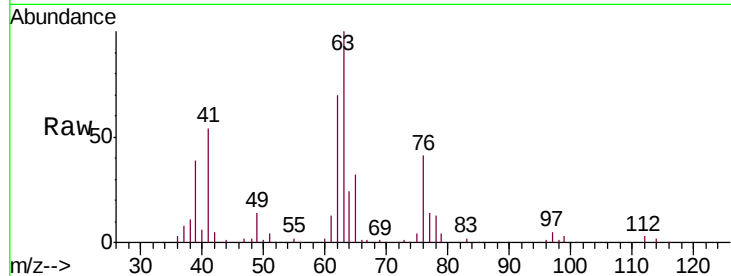




#37
 1,2-Dichloropropane
 Concen: 48.077 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VV008388.D
 Acq: 24 Oct 2018 12:46

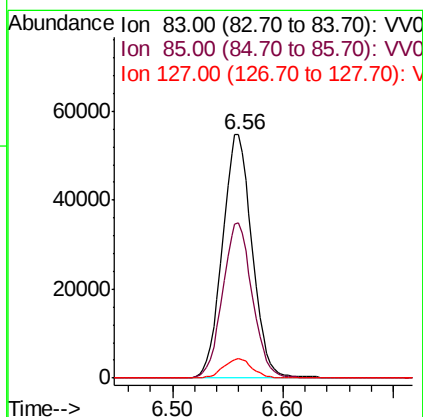
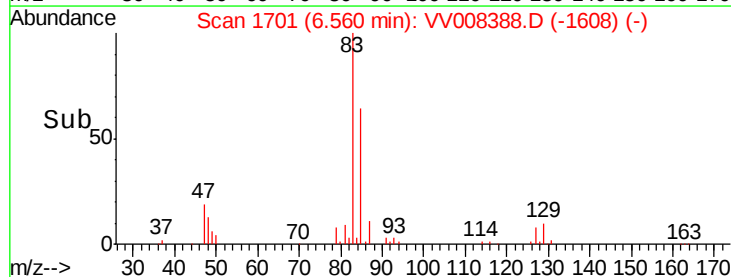
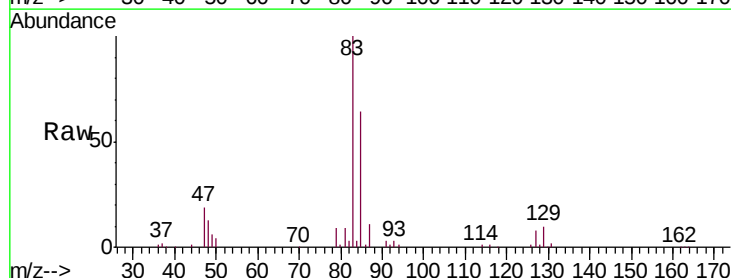
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB49

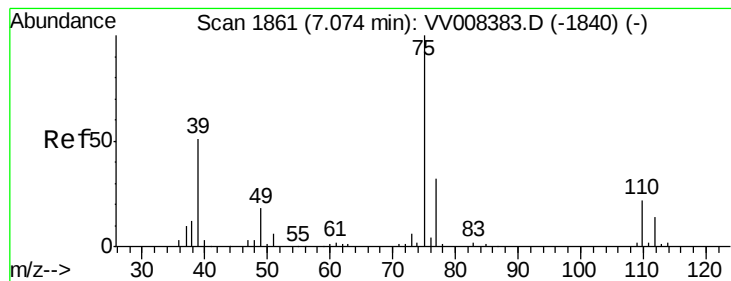
Tgt Ion: 63 Resp: 79766
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.9 4.3



#38
 Bromodichloromethane
 Concen: 48.312 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV008388.D
 Acq: 24 Oct 2018 12:46

Tgt Ion: 83 Resp: 102140
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.3 82.3
 127 7.9 6.3 9.5



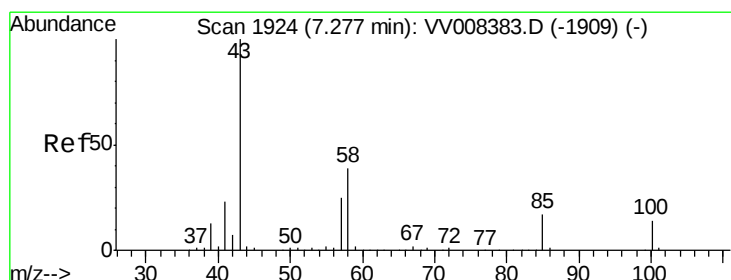
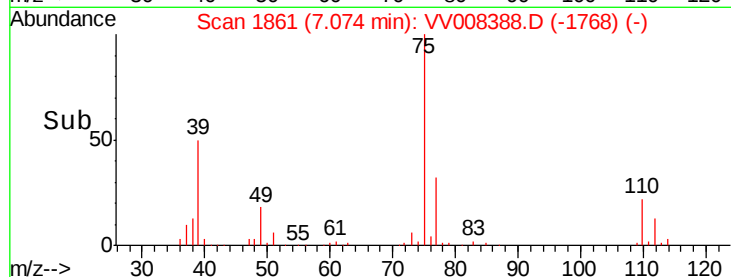
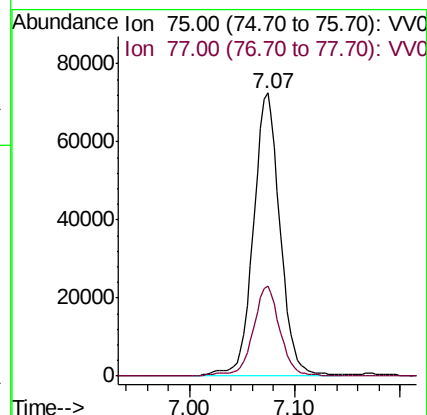
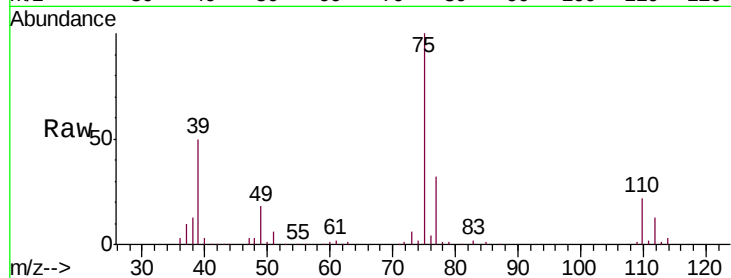


#39

cis-1,3-Dichloropropene
Concen: 49.135 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VV008388.D
Acq: 24 Oct 2018 12:46

Instrument :
MSVOA_V
ClientSampleId :
BFB49

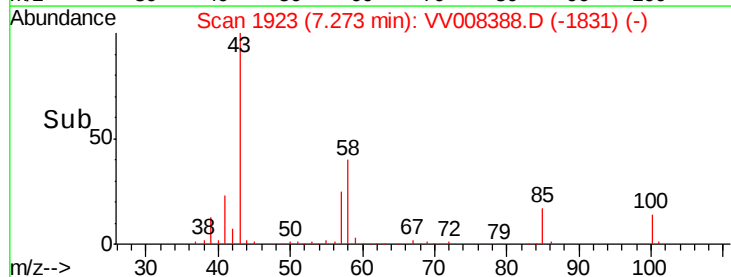
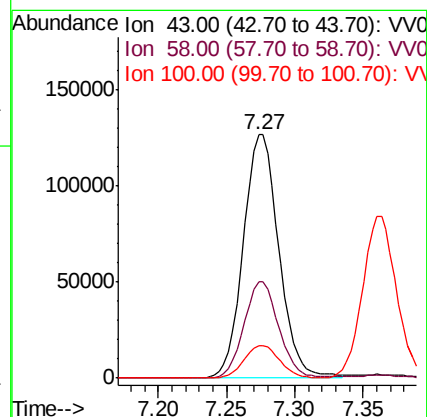
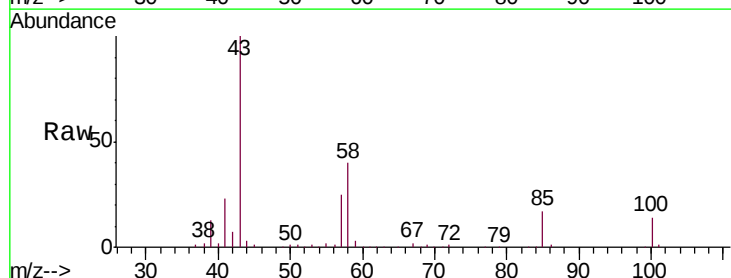
Tgt Ion: 75 Resp: 128163
Ion Ratio Lower Upper
75 100
77 31.6 22.6 42.0

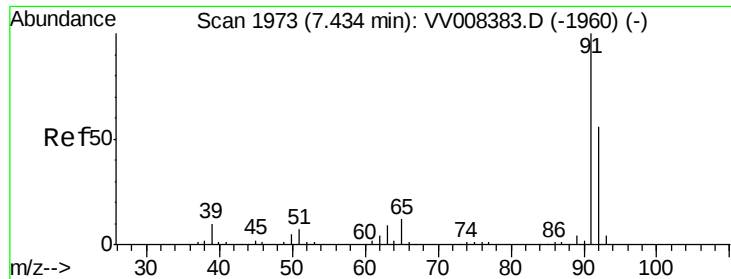


#40

4-Methyl-2-pentanone
Concen: 93.449 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VV008388.D
Acq: 24 Oct 2018 12:46

Tgt Ion: 43 Resp: 229593
Ion Ratio Lower Upper
43 100
58 39.1 30.9 46.3
100 13.5 10.9 16.3





#42

Toluene

Concen: 49.340 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008388.D

Acq: 24 Oct 2018 12:46

Instrument :

MSVOA_V

ClientSampleId :

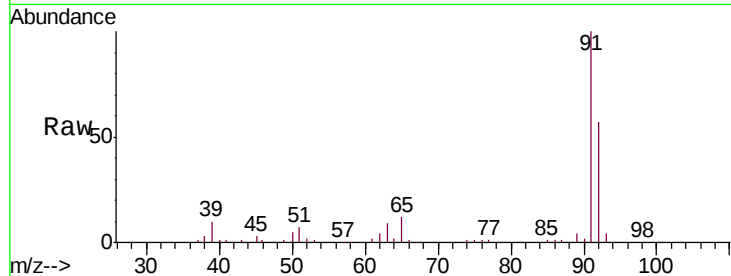
BFB49

Tgt Ion: 91 Resp: 307885

Ion Ratio Lower Upper

91 100

92 57.3 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VV008388.D (-1960) (-)

Ion 92.00 (91.70 to 92.70): VV008388.D (-1960) (-)

7.43

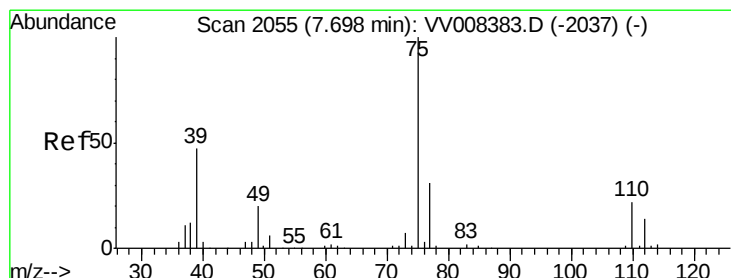
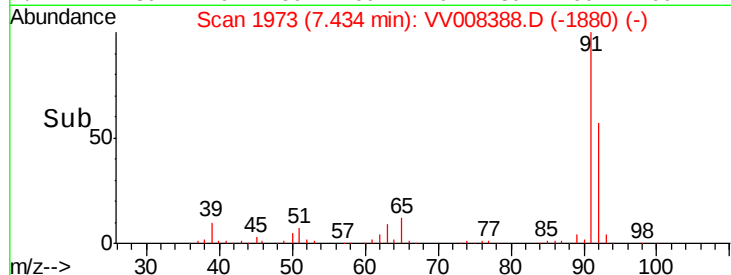
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.876 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV008388.D

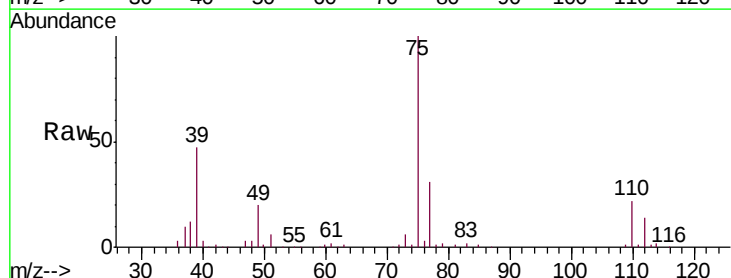
Acq: 24 Oct 2018 12:46

Tgt Ion: 75 Resp: 121711

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV008388.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV008388.D (-2037) (-)

7.69

80000

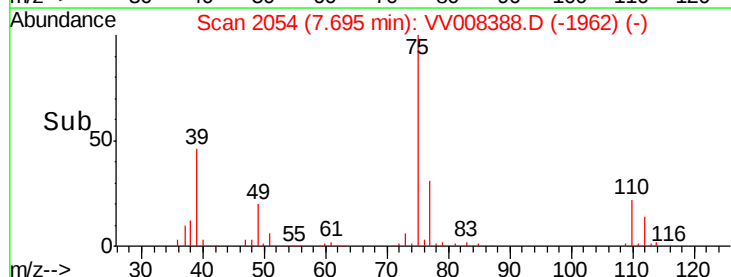
60000

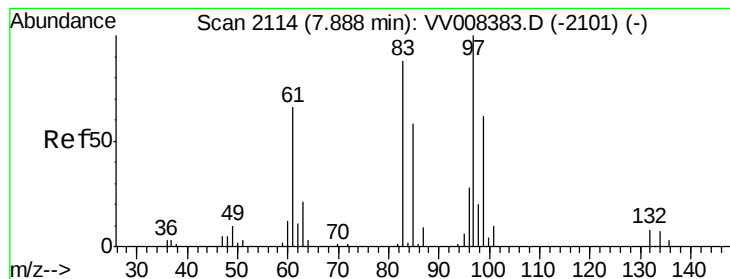
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 48.374 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VV008388.D

Acq: 24 Oct 2018 12:46

Instrument :

MSVOA_V

ClientSampleId :

BFB49

Tgt Ion: 97 Resp: 70962

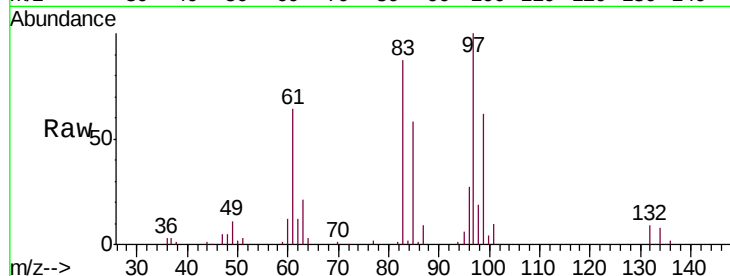
Ion Ratio Lower Upper

97 100

99 62.4 43.3 80.3

83 87.1 61.9 114.9

85 58.1 40.9 75.9

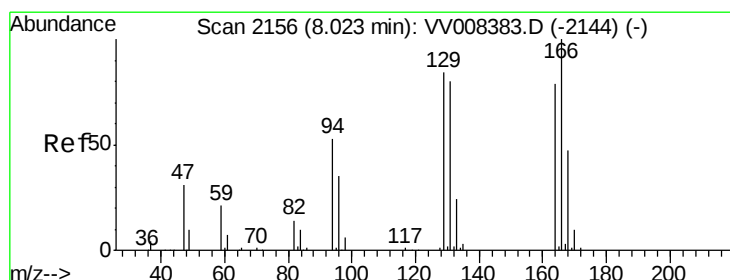
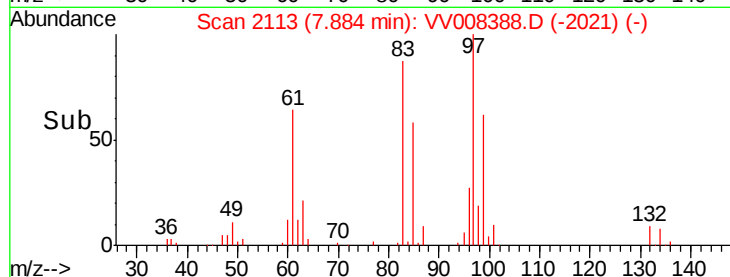
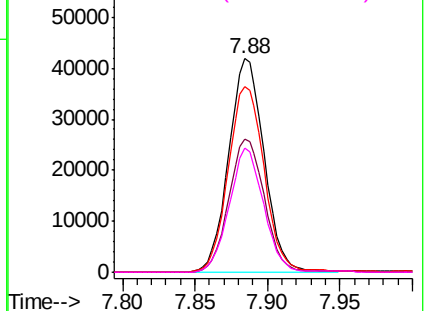


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 51.240 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV008388.D

Acq: 24 Oct 2018 12:46

Tgt Ion: 164 Resp: 51376

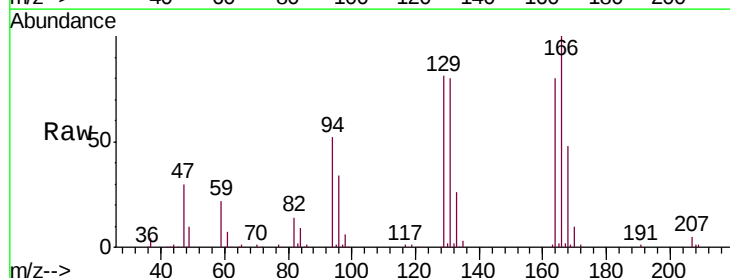
Ion Ratio Lower Upper

164 100

129 102.3 75.0 139.2

131 100.5 71.3 132.3

166 125.8 89.2 165.6

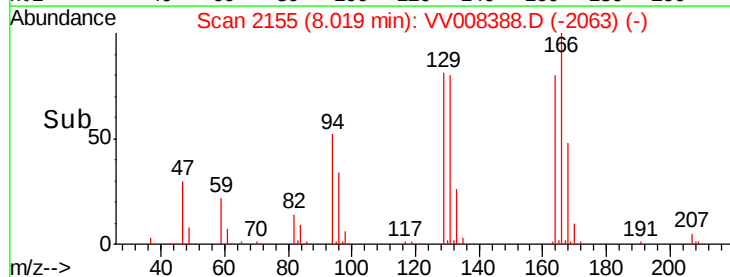
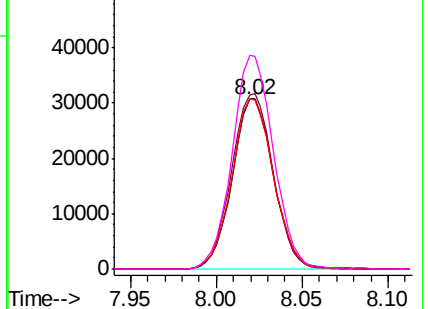


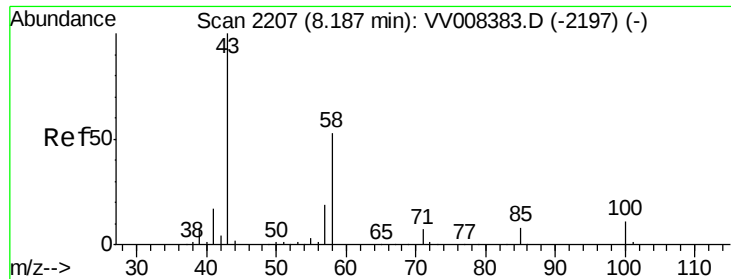
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

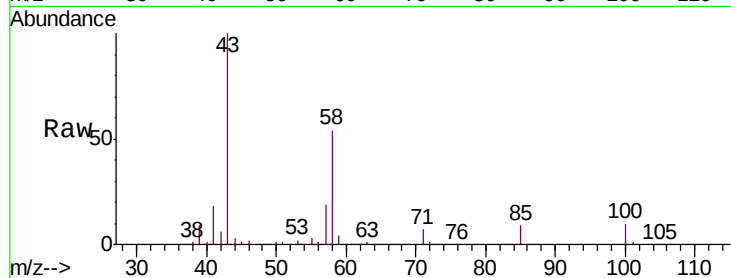




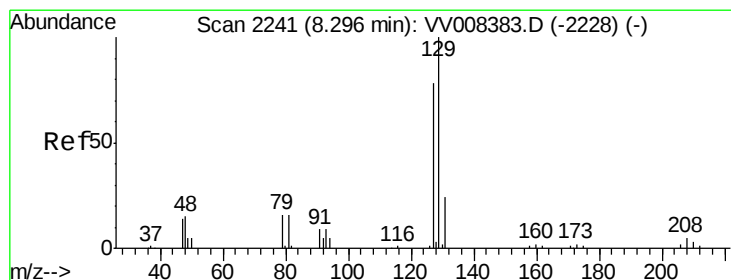
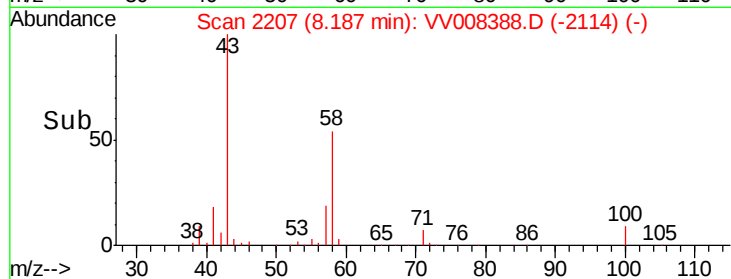
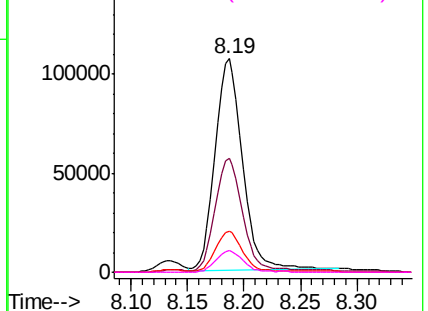
#48
2-Hexanone
Concen: 95.404 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV008388.D
Acq: 24 Oct 2018 12:46

Instrument :
MSVOA_V
ClientSampleId :
BFB49

Tgt Ion: 43 Resp: 180866
Ion Ratio Lower Upper
43 100
58 53.2 42.6 63.8
57 18.5 14.8 22.2
100 10.1 8.5 12.7

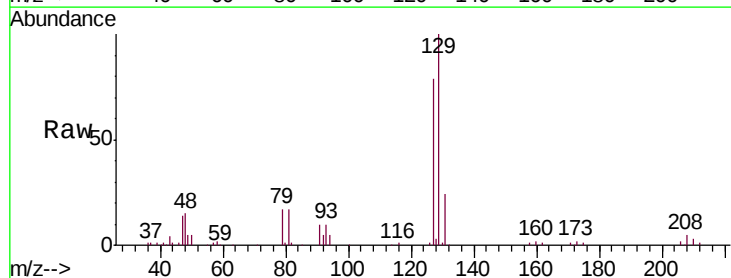


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

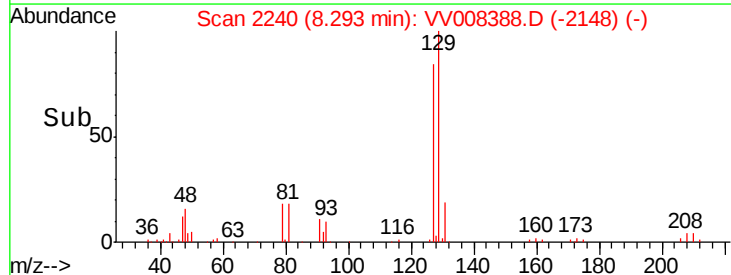
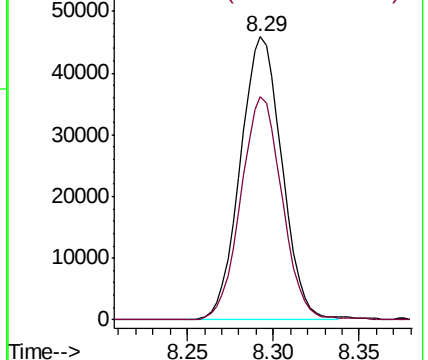


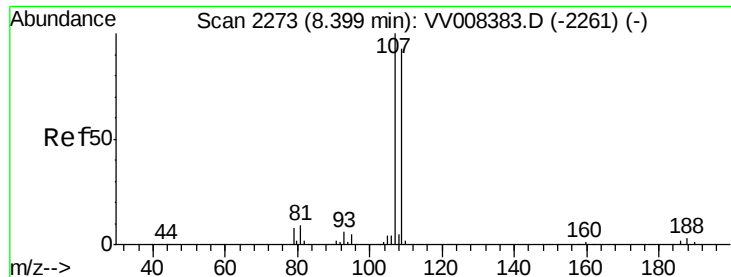
#49
Dibromochloromethane
Concen: 48.999 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008388.D
Acq: 24 Oct 2018 12:46

Tgt Ion: 129 Resp: 77243
Ion Ratio Lower Upper
129 100
127 78.9 54.9 101.9



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

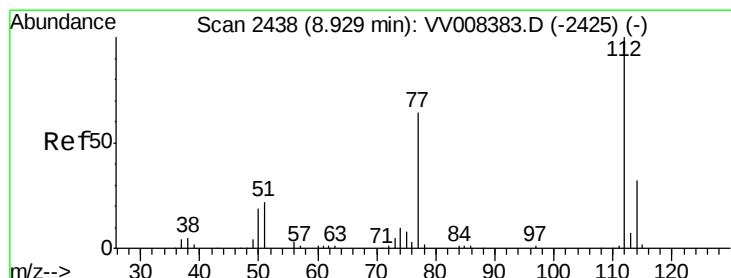
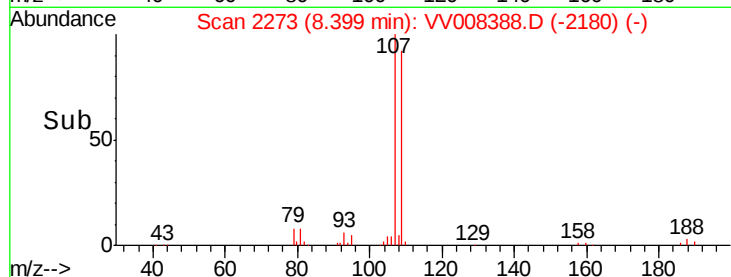
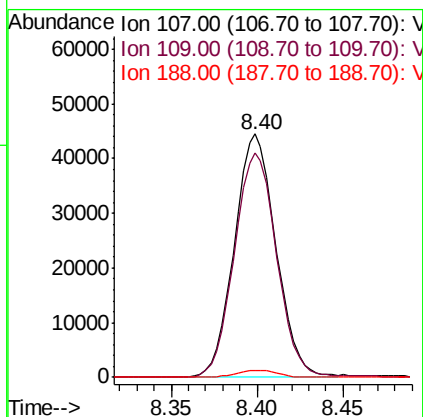
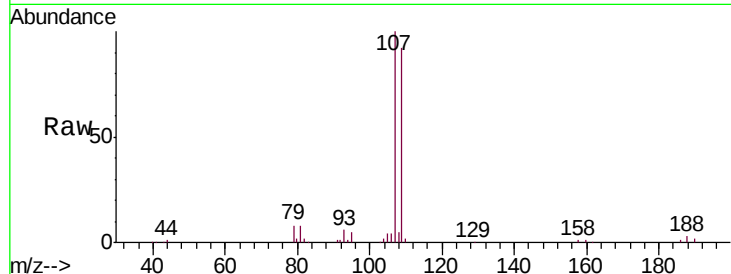




#50
 1,2-Dibromoethane
 Concen: 48.424 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VV008388.D
 Acq: 24 Oct 2018 12:46

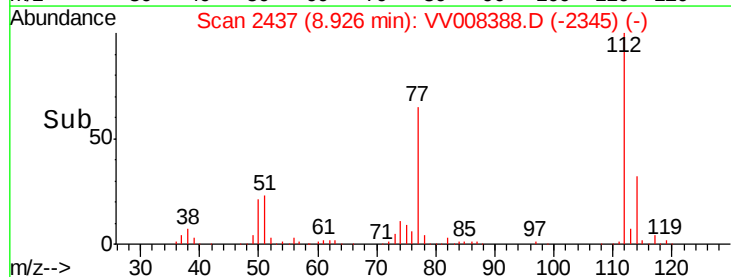
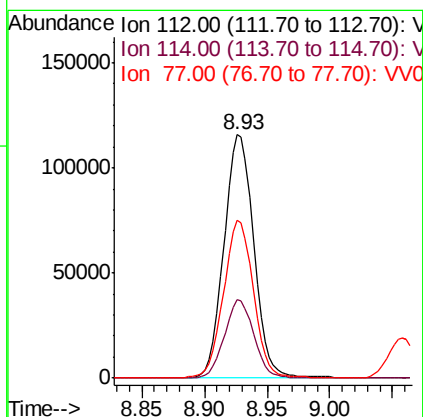
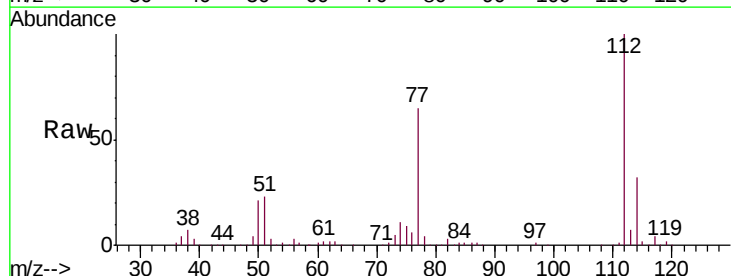
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB49

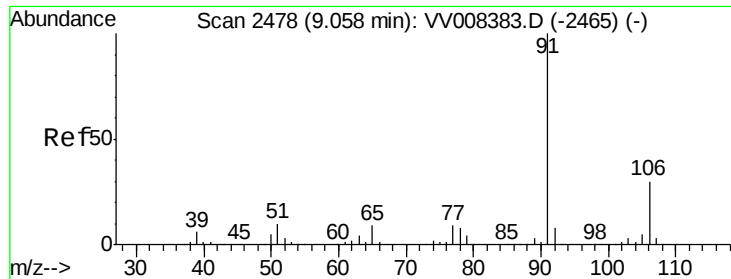
Tgt Ion:107 Resp: 74519
 Ion Ratio Lower Upper
 107 100
 109 92.1 65.2 121.2
 188 2.8 2.3 3.5



#51
 Chlorobenzene
 Concen: 49.887 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. -0.00 min
 Lab File: VV008388.D
 Acq: 24 Oct 2018 12:46

Tgt Ion:112 Resp: 191679
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.5 41.7
 77 65.0 52.0 78.0





#52

Ethylbenzene

Concen: 50.192 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008388.D

Acq: 24 Oct 2018 12:46

Instrument :

MSVOA_V

ClientSampleId :

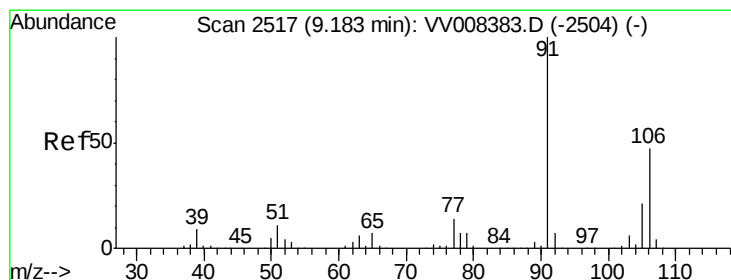
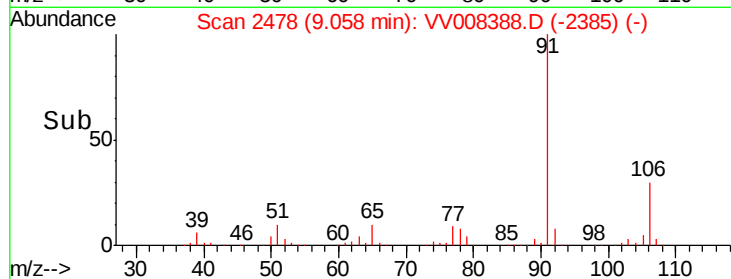
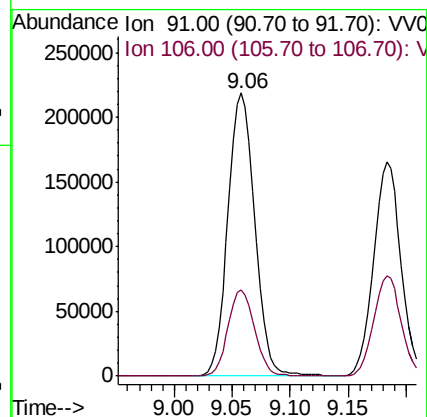
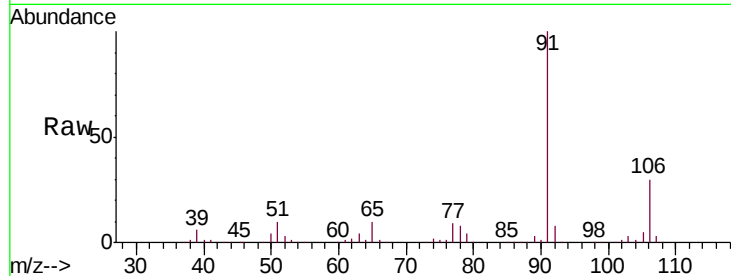
BFB49

Tgt Ion: 91 Resp: 350839

Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.5



#53

m,p-Xylene

Concen: 49.944 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008388.D

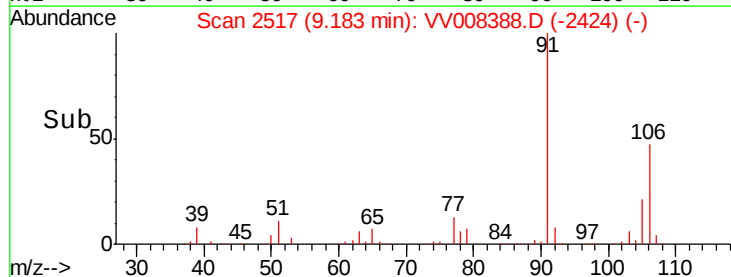
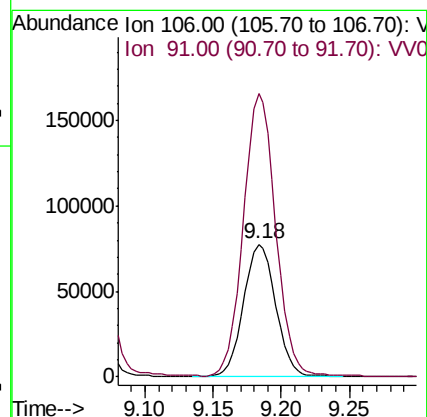
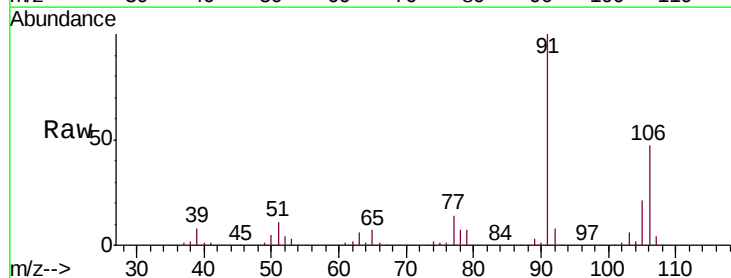
Acq: 24 Oct 2018 12:46

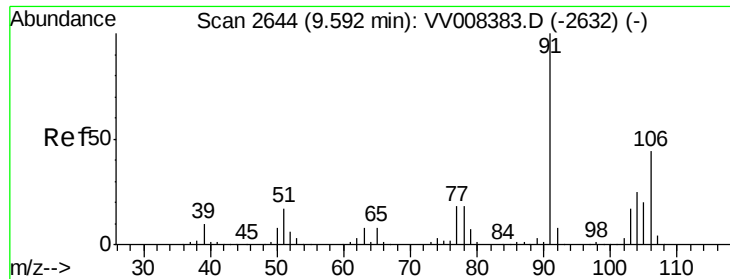
Tgt Ion: 106 Resp: 127542

Ion Ratio Lower Upper

106 100

91 213.9 150.0 278.6

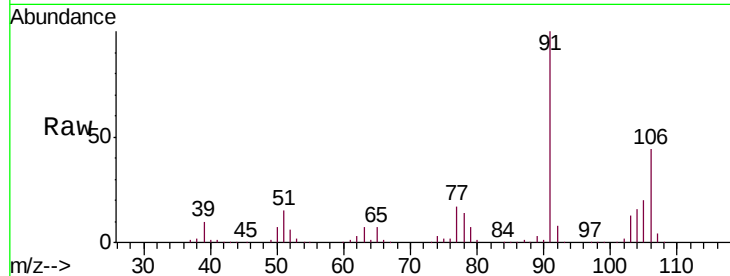




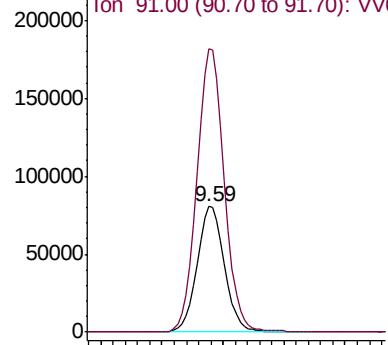
#54
o-xylene
Concen: 49.808 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008388.D
Acq: 24 Oct 2018 12:46

Instrument :
MSVOA_V
ClientSampled :
BFB49

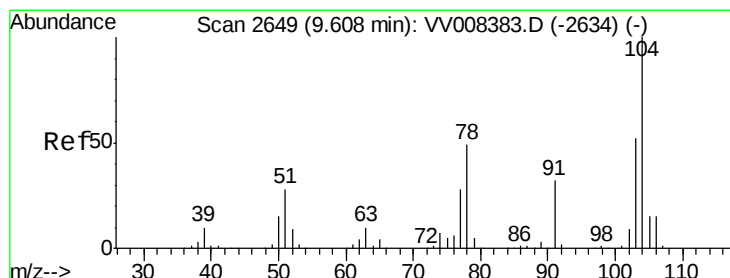
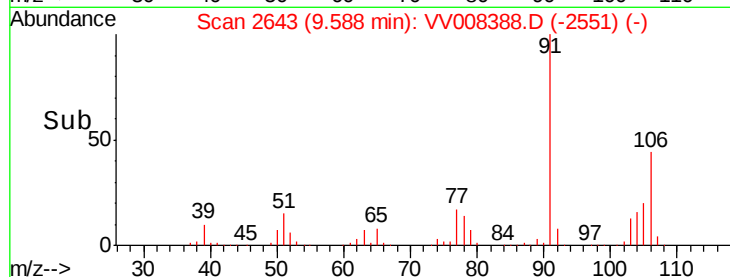
Tgt Ion:106 Resp: 127011
Ion Ratio Lower Upper
106 100
91 225.0 158.7 294.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

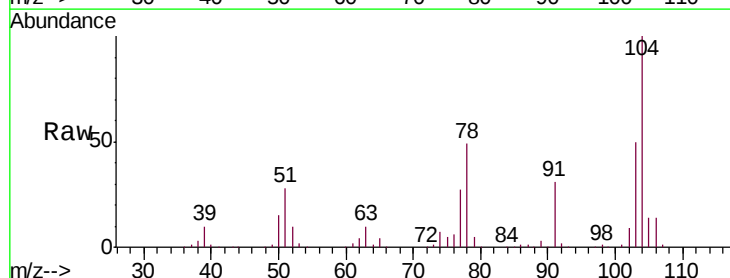


Time--> 9.50 9.55 9.60 9.65 9.70

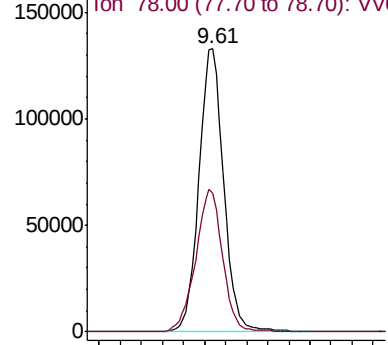


#55
Styrene
Concen: 50.181 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. -0.00 min
Lab File: VV008388.D
Acq: 24 Oct 2018 12:46

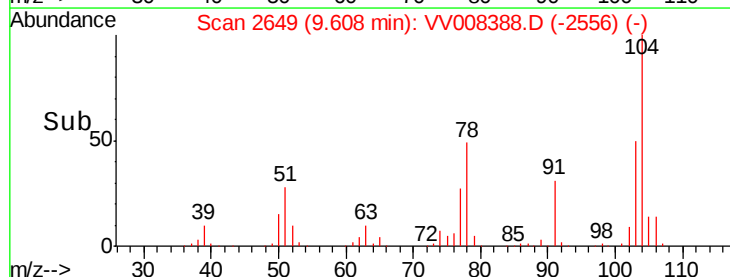
Tgt Ion:104 Resp: 215611
Ion Ratio Lower Upper
104 100
78 49.0 34.4 64.0

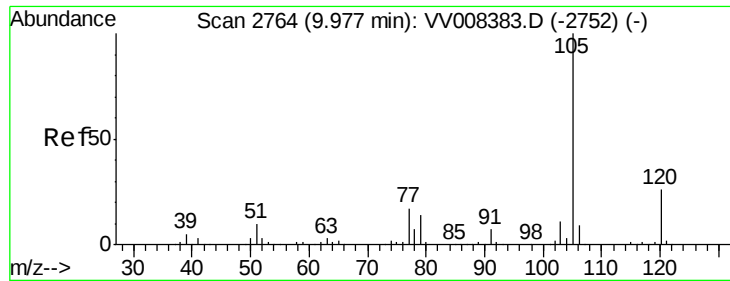


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0



Time--> 9.50 9.60 9.70





#56

Isopropylbenzene

Concen: 50.759 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008388.D

Acq: 24 Oct 2018 12:46

Instrument :

MSVOA_V

ClientSampleId :

BFB49

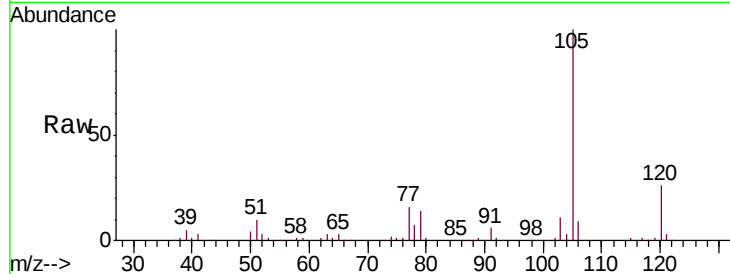
Tgt Ion: 105 Resp: 338665

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

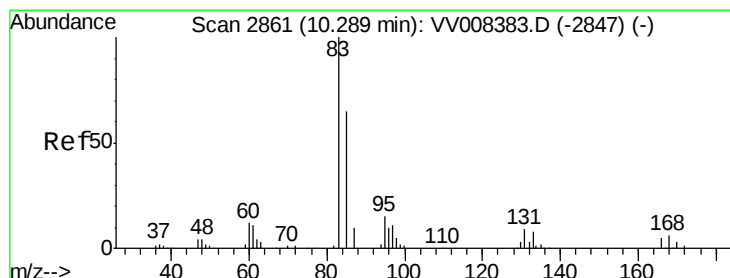
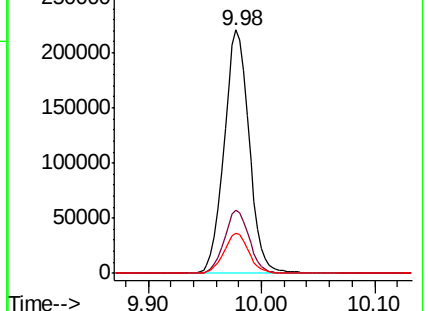
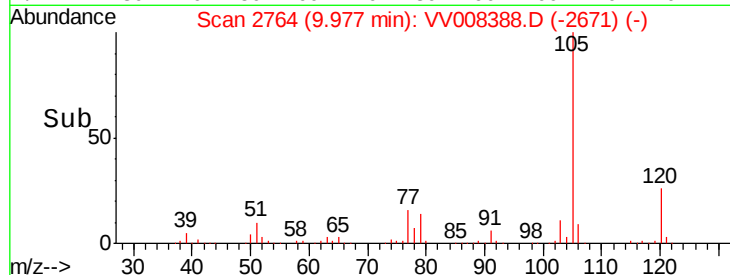
77 16.6 13.5 20.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.035 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008388.D

Acq: 24 Oct 2018 12:46

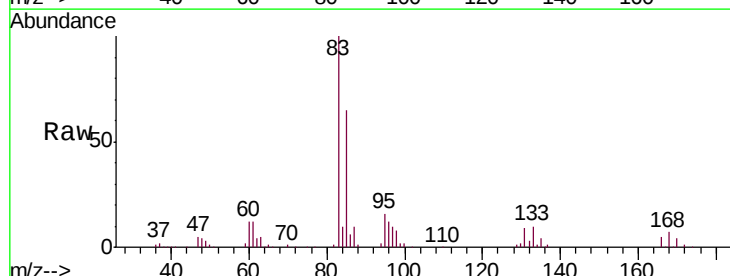
Tgt Ion: 83 Resp: 123411

Ion Ratio Lower Upper

83 100

85 64.8 45.8 85.2

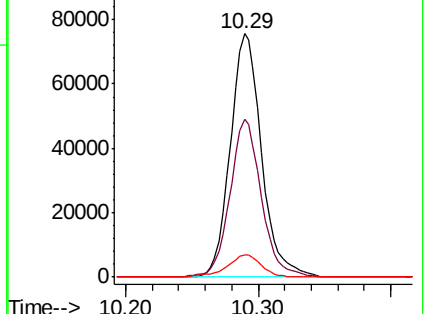
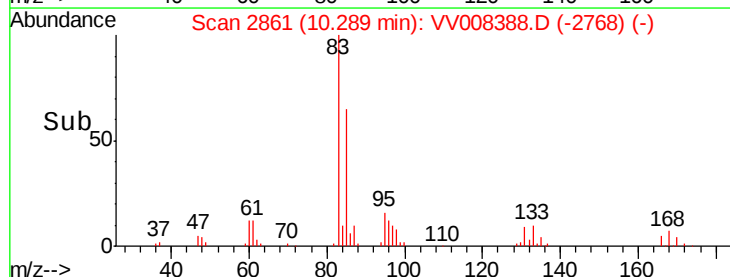
131 9.0 7.3 10.9

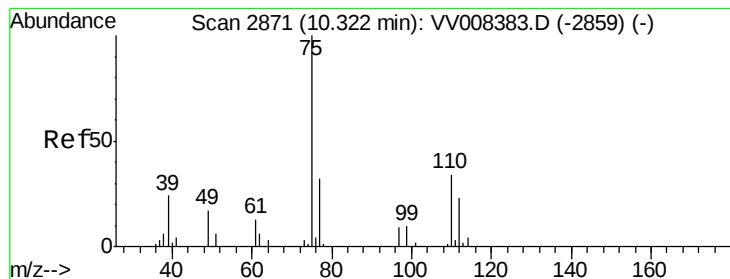


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.470 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV008388.D

Acq: 24 Oct 2018 12:46

Instrument :

MSVOA_V

ClientSampleId :

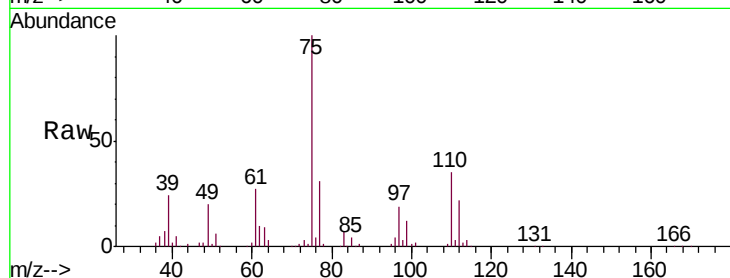
BFB49

Tgt Ion: 75 Resp: 100781

Ion Ratio Lower Upper

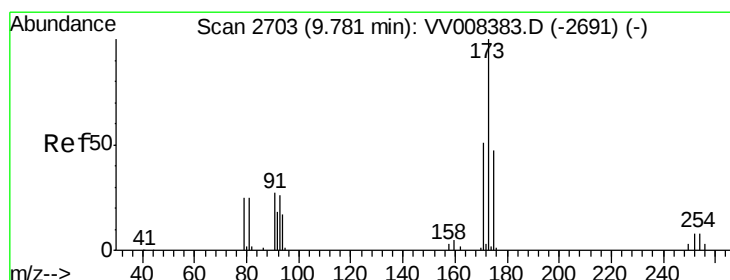
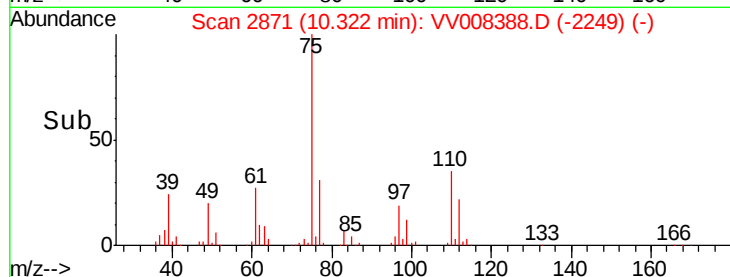
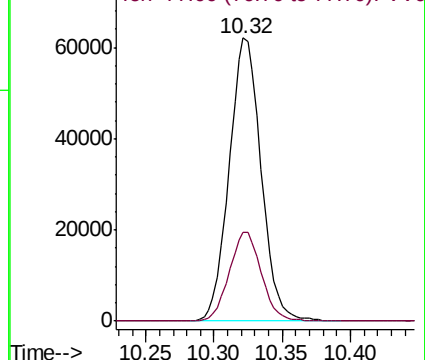
75 100

77 31.7 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV008388.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV008388.D (-2859) (-)



#61

Bromoform

Concen: 49.368 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV008388.D

Acq: 24 Oct 2018 12:46

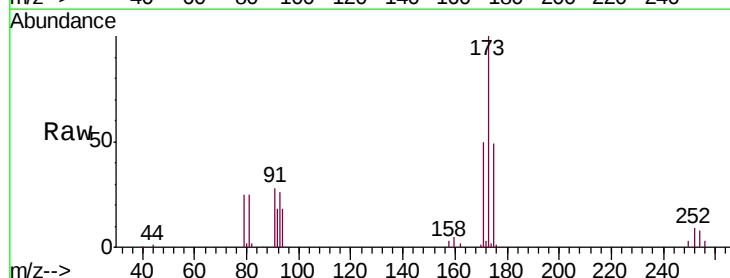
Tgt Ion: 173 Resp: 53244

Ion Ratio Lower Upper

173 100

175 48.6 38.6 57.8

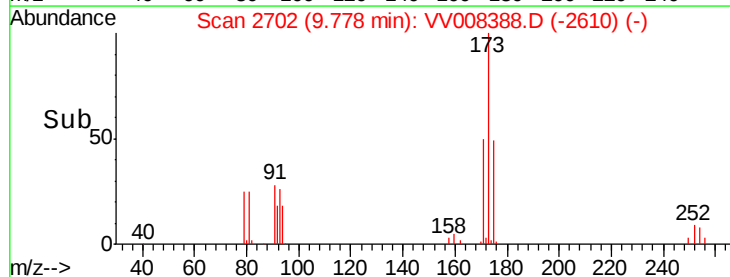
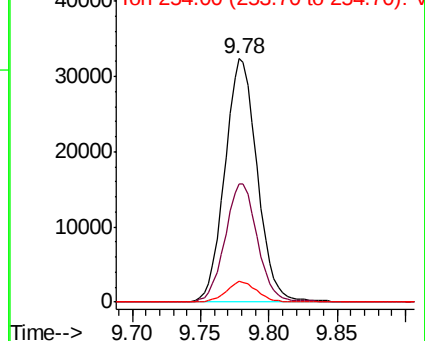
254 8.0 5.9 8.9

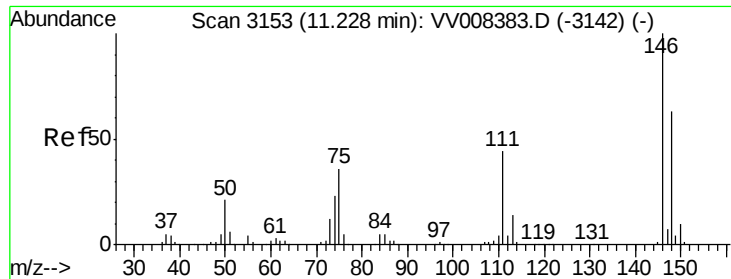


Abundance Ion 173.00 (172.70 to 173.70): VV008388.D (-2691) (-)

Ion 175.00 (174.70 to 175.70): VV008388.D (-2691) (-)

Ion 254.00 (253.70 to 254.70): VV008388.D (-2691) (-)

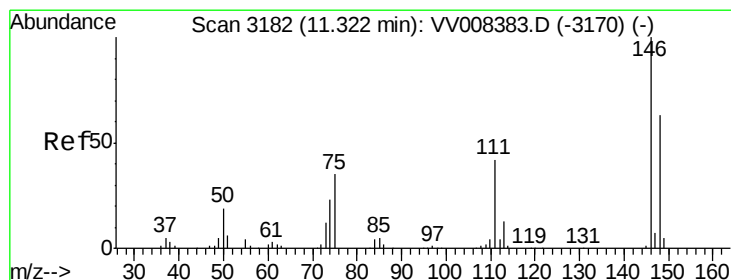
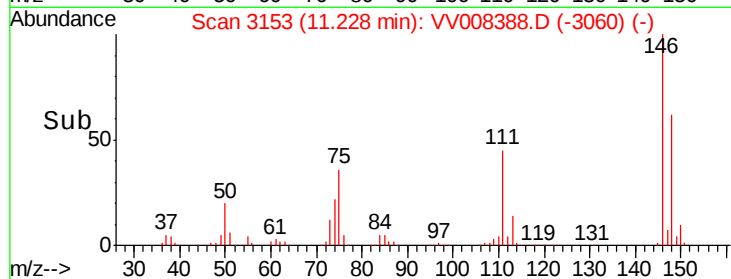
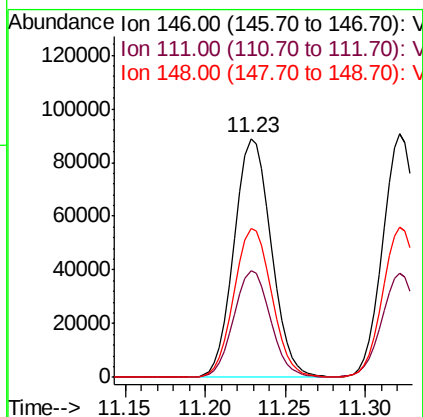
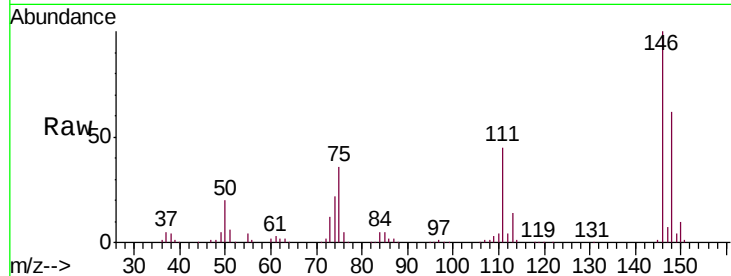




#62
 1,3-Dichlorobenzene
 Concen: 49.803 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV008388.D
 Acq: 24 Oct 2018 12:46

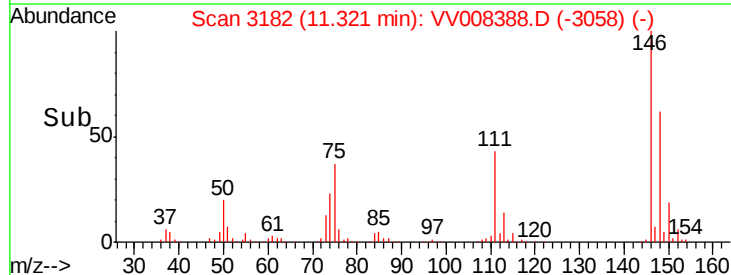
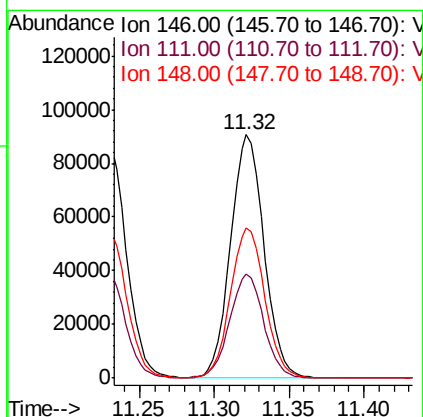
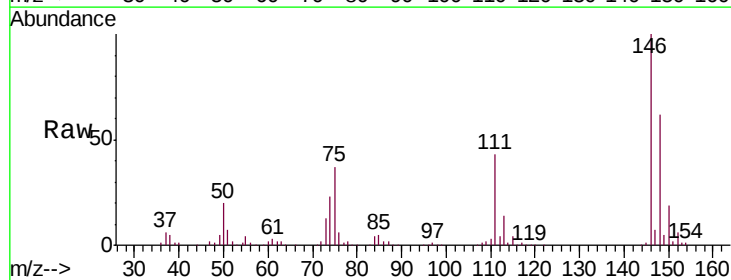
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB49

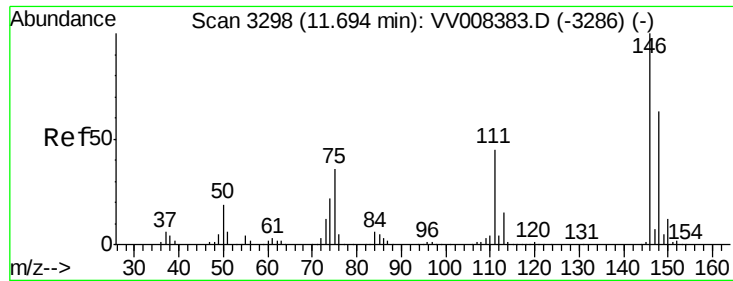
Tgt Ion:146 Resp: 140740
 Ion Ratio Lower Upper
 146 100
 111 44.7 30.9 57.3
 148 62.3 44.1 81.9



#63
 1,4-Dichlorobenzene
 Concen: 49.995 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV008388.D
 Acq: 24 Oct 2018 12:46

Tgt Ion:146 Resp: 141602
 Ion Ratio Lower Upper
 146 100
 111 42.8 29.8 55.4
 148 61.9 44.4 82.5

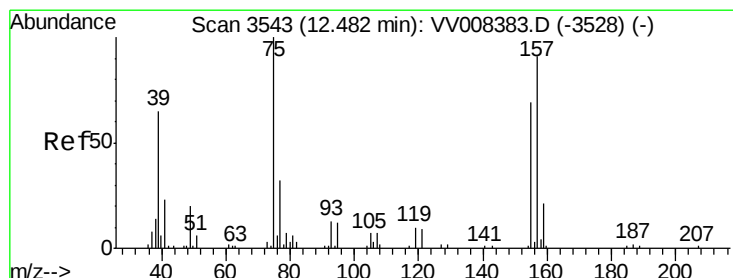
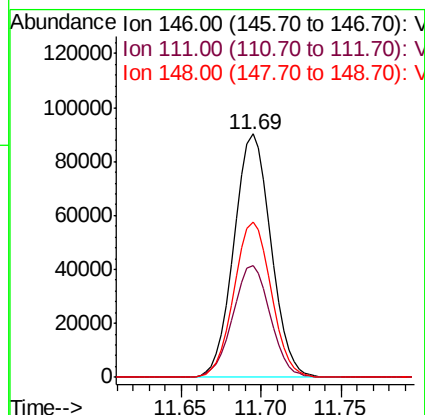
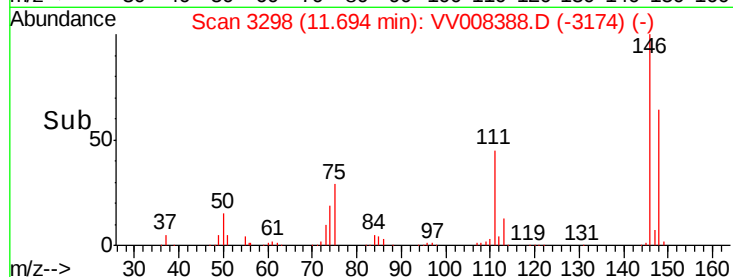
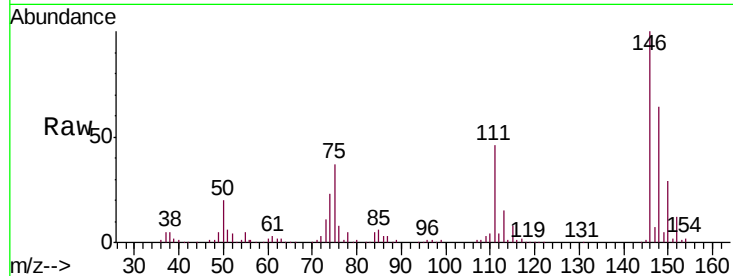




#65
 1,2-Dichlorobenzene
 Concen: 49.274 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV008388.D
 Acq: 24 Oct 2018 12:46

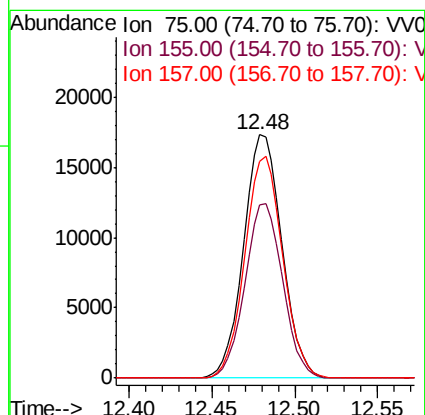
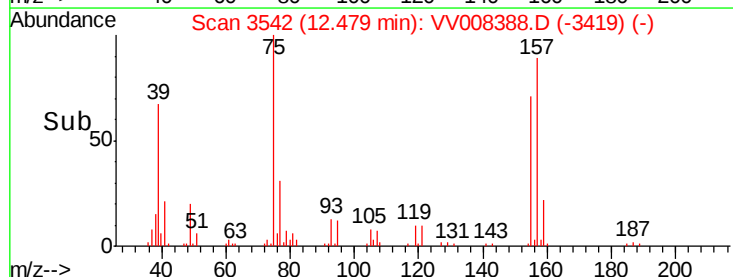
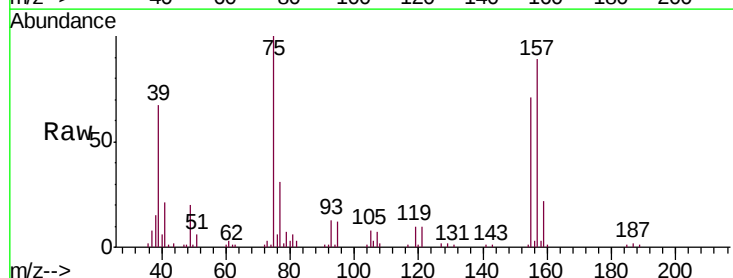
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB49

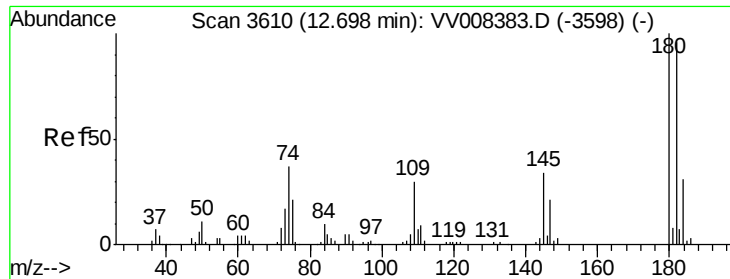
Tgt Ion: 146 Resp: 141997
 Ion Ratio Lower Upper
 146 100
 111 46.0 36.2 54.2
 148 63.9 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.006 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV008388.D
 Acq: 24 Oct 2018 12:46

Tgt Ion: 75 Resp: 27848
 Ion Ratio Lower Upper
 75 100
 155 71.4 55.4 83.0
 157 89.3 72.8 109.2

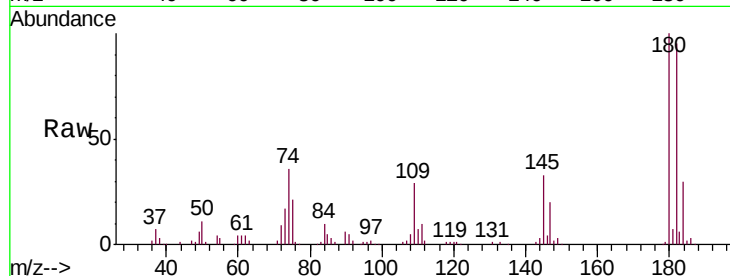




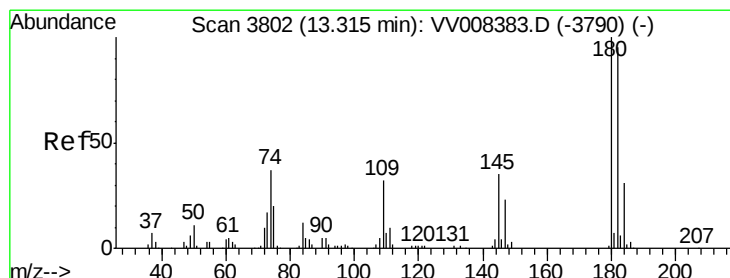
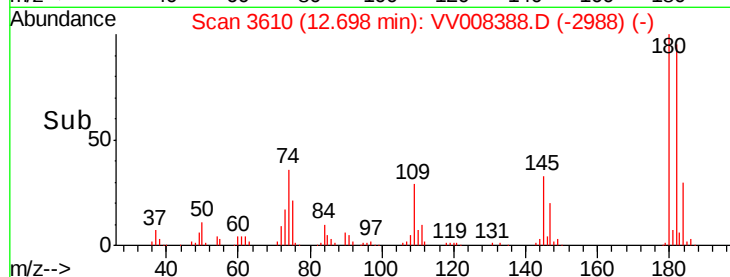
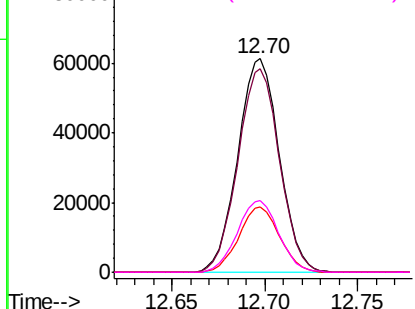
#67
 1,3,5-Trichlorobenzene
 Concen: 51.443 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV008388.D
 Acq: 24 Oct 2018 12:46

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB49

Tgt Ion:180 Resp: 94926
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.9 113.9
 184 30.0 24.1 36.1
 145 33.6 26.8 40.2

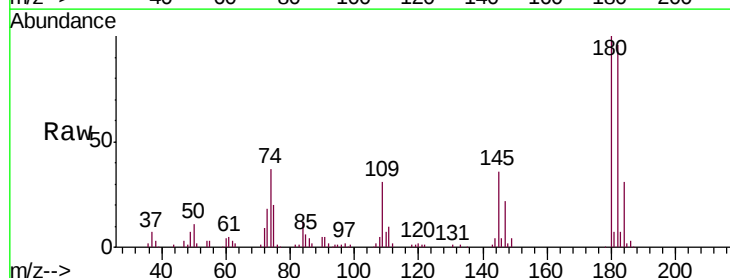


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

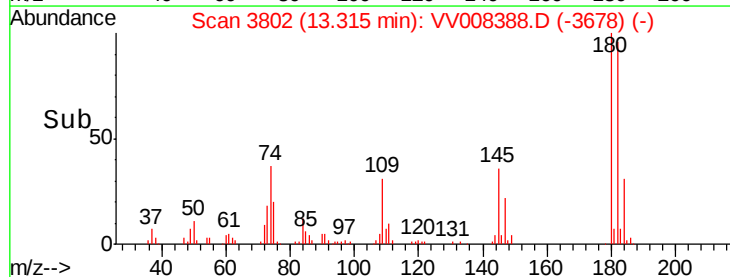
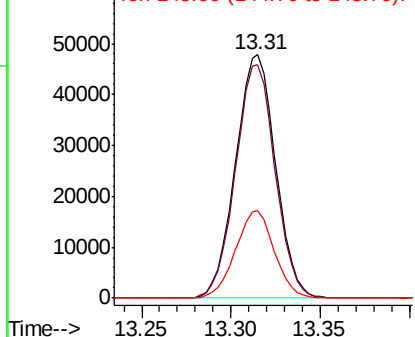


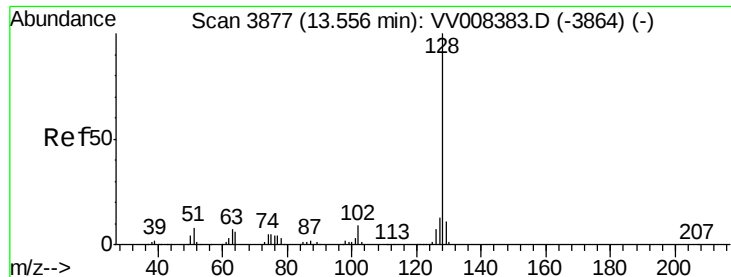
#68
 1,2,4-trichlorobenzene
 Concen: 50.238 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV008388.D
 Acq: 24 Oct 2018 12:46

Tgt Ion:180 Resp: 75000
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.4 113.2
 145 34.6 27.0 40.6



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





#69

Naphthalene

Concen: 46.510 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV008388.D

Acq: 24 Oct 2018 12:46

Instrument :

MSVOA_V

ClientSampleId :

BFB49

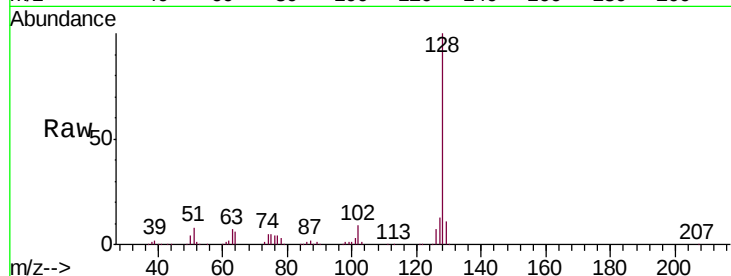
Tgt Ion:128 Resp: 224533

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

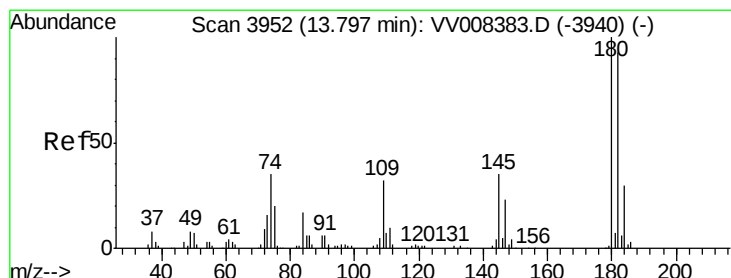
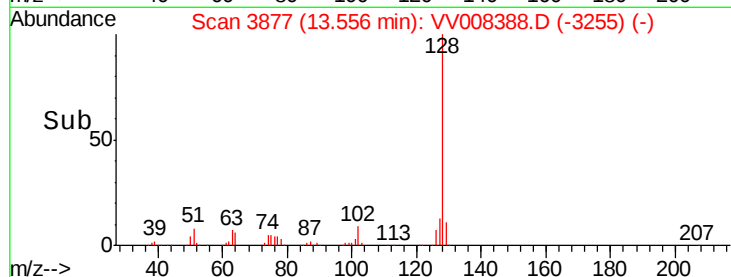
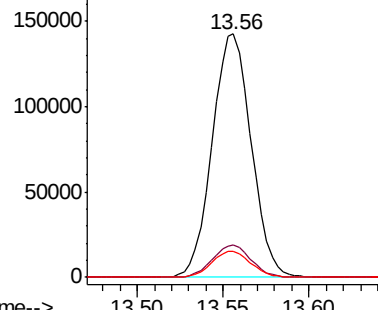
129 10.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.351 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV008388.D

Acq: 24 Oct 2018 12:46

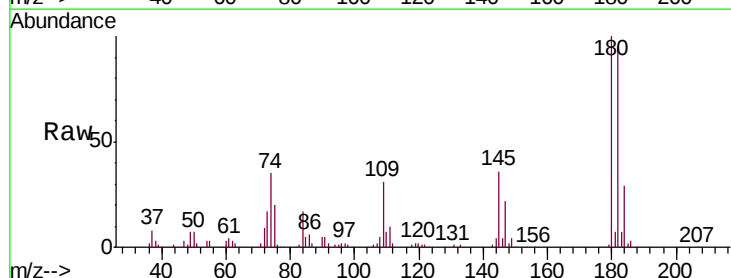
Tgt Ion:180 Resp: 73632

Ion Ratio Lower Upper

180 100

182 95.6 75.7 113.5

145 35.9 28.6 43.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

