

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102318\
 Data File : VV008383.D
 Acq On : 23 Oct 2018 18:47
 Operator : SY/MD
 Sample : VSTD05053
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05053

Quant Time: Oct 24 02:28:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 24 02:24:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	187187	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	174065	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	79148	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	50335	48.04	ug/L	0.00
7) Chloroethane-d5	1.57	69	35900	55.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	91508	46.77	ug/L	0.00
21) 2-Butanone-d5	3.94	46	112919	103.38	ug/L	0.00
24) Chloroform-d	4.41	84	125240	50.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	82684	49.57	ug/L	0.00
32) Benzene-d6	5.10	84	241127	48.08	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	82601	48.21	ug/L	0.00
41) Toluene-d8	7.36	98	220654	48.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	41364	49.27	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	88541	117.23	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	112895	57.29	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	78425	48.24	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	66340	48.276 ug/L	100
3) Chloromethane	1.25	50	70529	51.521 ug/L	100
5) Vinyl chloride	1.33	62	65447	48.001 ug/L	100
6) Bromomethane	1.52	94	17431	45.036 ug/L	100
8) Chloroethane	1.59	64	33341	48.596 ug/L	100
9) Trichlorofluoromethane	1.77	101	85001	48.161 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	44826	47.815 ug/L	100
12) 1,1-Dichloroethene	2.14	96	41171	46.869 ug/L	100
13) Acetone	2.19	43	81175	103.255 ug/L	100
14) Carbon disulfide	2.32	76	186050	59.834 ug/L	100
15) Methyl Acetate	2.46	43	85530	61.461 ug/L	100
16) Methylene chloride	2.54	84	69904	63.260 ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	62728	61.330 ug/L	100
18) Methyl tert-butyl Ether	2.81	73	227019	61.748 ug/L	100
19) 1,1-Dichloroethane	3.24	63	130519	48.650 ug/L	100
20) cis-1,2-Dichloroethene	3.97	96	72643	47.267 ug/L	100
22) 2-Butanone	4.02	43	124574	91.658 ug/L	100
23) Bromochloromethane	4.31	128	33681	48.098 ug/L	100
25) Chloroform	4.43	83	127106	48.124 ug/L	100
27) 1,2-Dichloroethane	5.19	62	105969	48.194 ug/L	100
29) Cyclohexane	4.73	56	122696	45.860 ug/L	100
30) 1,1,1-Trichloroethane	4.67	97	110846	46.951 ug/L	100
31) Carbon tetrachloride	4.88	117	94185	47.483 ug/L	100
33) Benzene	5.15	78	279714	46.810 ug/L	100
34) Trichloroethene	5.96	95	70743	41.032 ug/L	100
35) Methylcyclohexane	6.18	83	123408	47.145 ug/L	100
37) 1,2-Dichloropropane	6.23	63	76792	46.986 ug/L	100
38) Bromodichloromethane	6.56	83	97140	46.921 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	122584	47.663 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	226067	94.359 ug/L	100

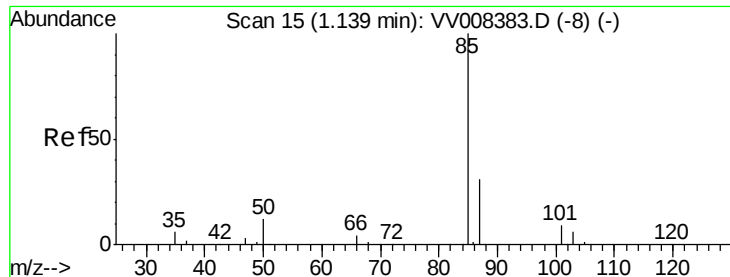
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	292496	47.355	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	114823	48.244	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	68855	48.220	ug/L	100
46) Tetrachloroethene	8.02	164	47270	47.262	ug/L	100
48) 2-Hexanone	8.19	43	174939	91.644	ug/L	100
49) Dibromochloromethane	8.30	129	74341	49.358	ug/L	100
50) 1,2-Dibromoethane	8.40	107	72013	47.629	ug/L	100
51) Chlorobenzene	8.93	112	179878	47.356	ug/L	100
52) Ethylbenzene	9.06	91	330413	48.440	ug/L	100
53) m,p-Xylene	9.18	106	120767	48.973	ug/L	100
54) o-xylene	9.59	106	118573	48.801	ug/L	100
55) Styrene	9.61	104	202776	49.722	ug/L	100
56) Isopropylbenzene	9.98	105	314707	48.622	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	119636	58.255	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	96824	49.063	ug/L	100
61) Bromoform	9.78	173	49305	49.934	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	129463	47.257	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	129967	47.123	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	132978	47.623	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	27224	51.133	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	85878	48.595	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	70752	49.467	ug/L	100
69) Naphthalene	13.56	128	225703	44.746	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	70352	48.179	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 48.276 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

Instrument :

MSVOA_V

ClientSampleId :

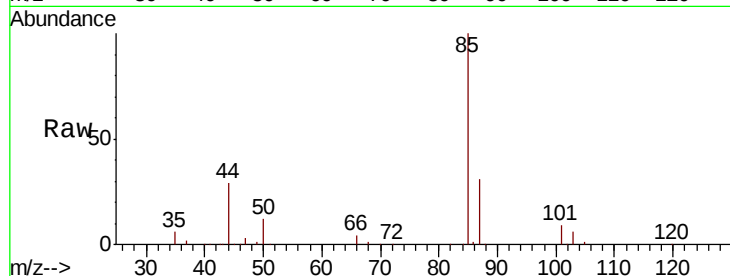
VSTD05053

Tgt Ion: 85 Resp: 66340

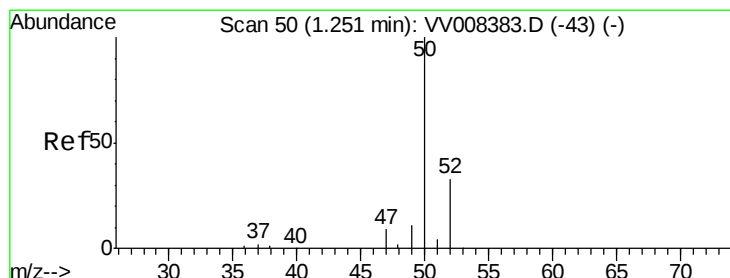
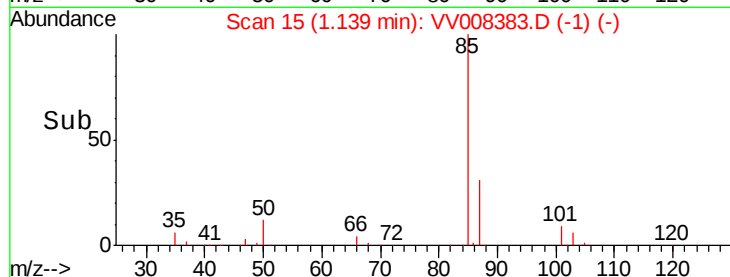
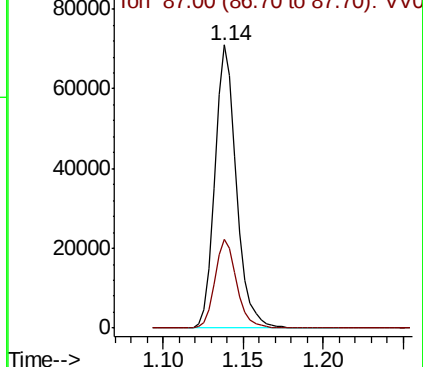
Ion Ratio Lower Upper

85 100

87 31.8 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV008383.D (-8) (-)



#3

Chloromethane

Concen: 51.521 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV008383.D

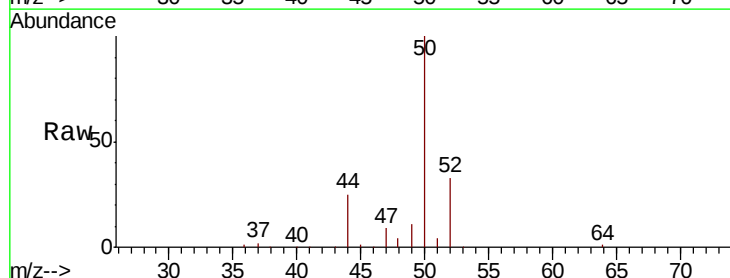
Acq: 23 Oct 2018 18:47

Tgt Ion: 50 Resp: 70529

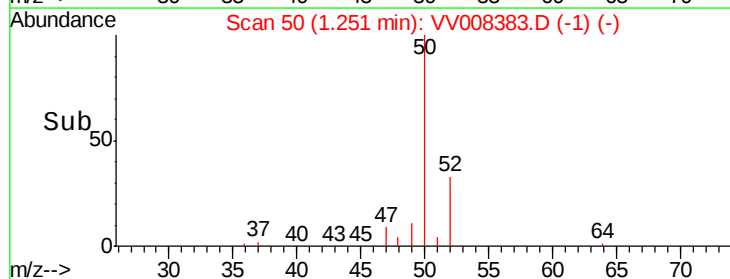
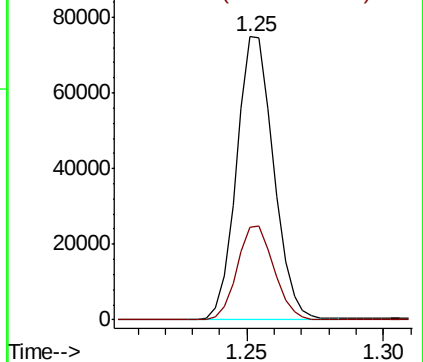
Ion Ratio Lower Upper

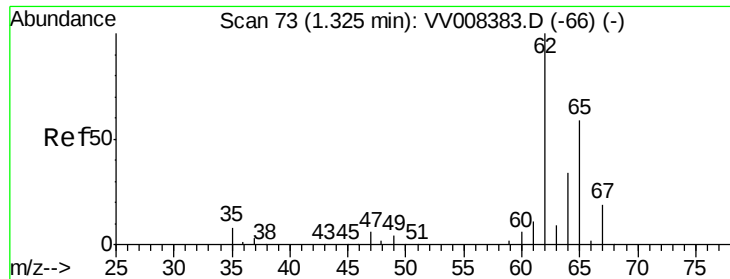
50 100

52 33.0 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV008383.D (-43) (-)





#5

Vinyl chloride

Concen: 48.001 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

Instrument :

MSVOA_V

ClientSampleId :

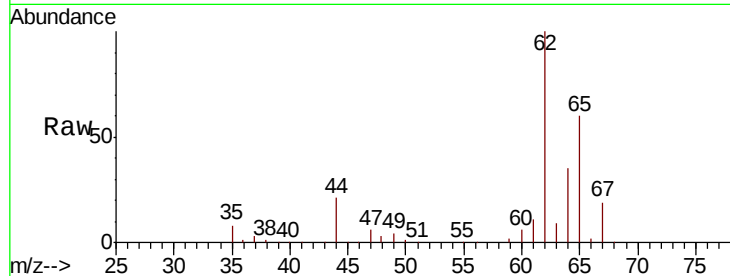
VSTD05053

Tgt Ion: 62 Resp: 65447

Ion Ratio Lower Upper

62 100

64 34.9 24.4 45.4



Abundance Ion 62.00 (61.70 to 62.70): VV008383.D (-66) (-)

Ion 64.00 (63.70 to 64.70): VV008383.D (-66) (-)

1.33

60000

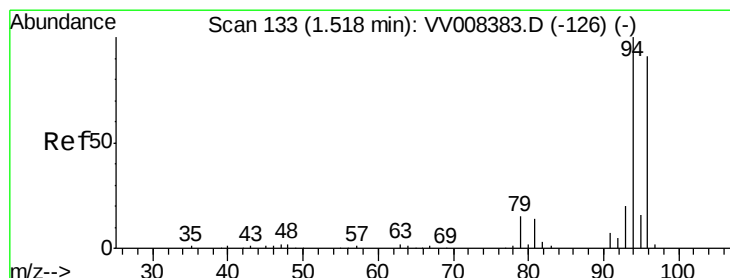
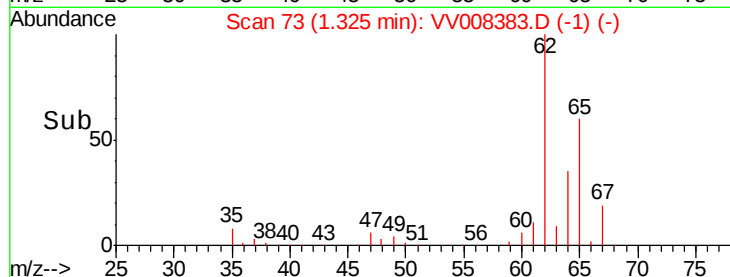
40000

20000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 45.036 ug/L

RT: 1.52 min Scan# 133

Delta R.T. 0.00 min

Lab File: VV008383.D

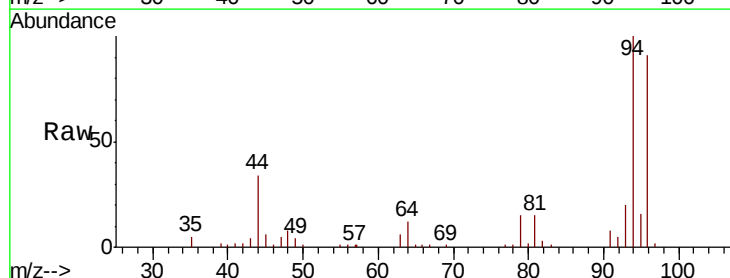
Acq: 23 Oct 2018 18:47

Tgt Ion: 94 Resp: 17431

Ion Ratio Lower Upper

94 100

96 91.2 63.8 118.6



Abundance Ion 94.00 (93.70 to 94.70): VV008383.D (-126) (-)

Ion 96.00 (95.70 to 96.70): VV008383.D (-126) (-)

1.52

20000

15000

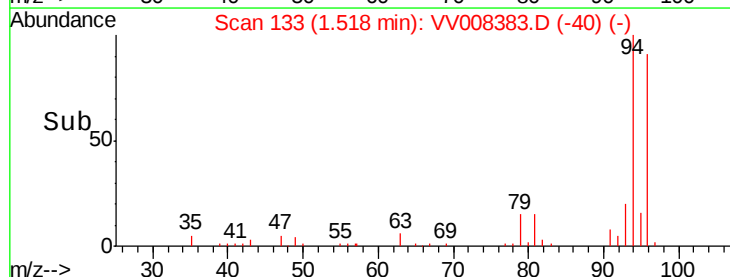
10000

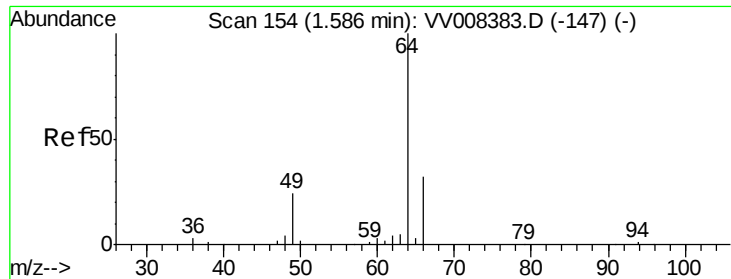
5000

0

1.50 1.55

Time-->

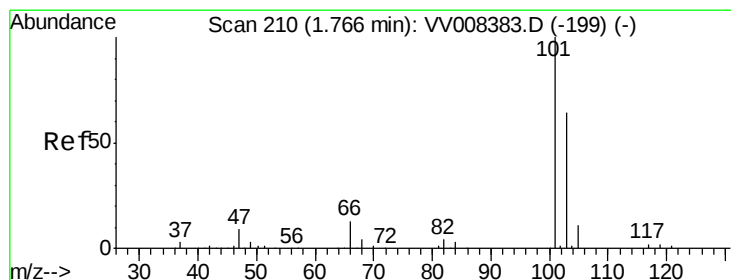
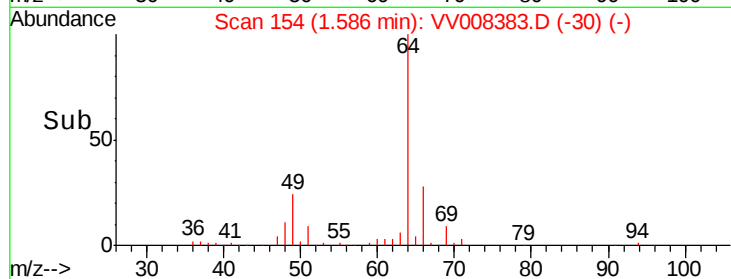
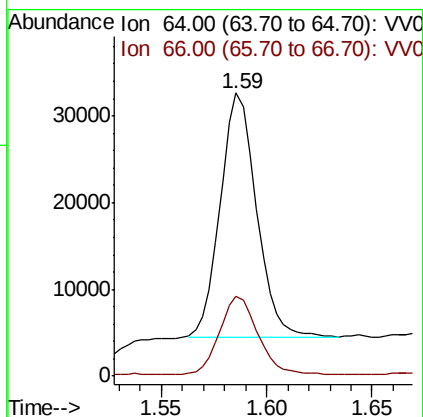
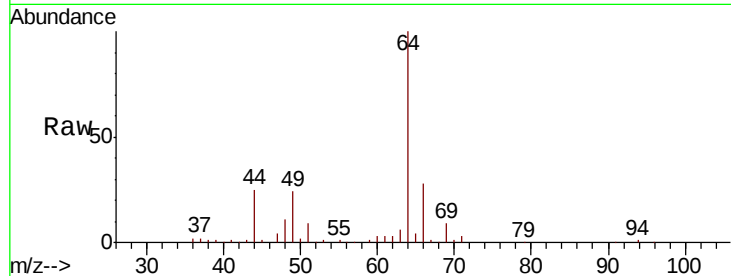




#8
 Chloroethane
 Concen: 48.596 ug/L
 RT: 1.59 min Scan# 154
 Delta R.T. 0.00 min
 Lab File: VV008383.D
 Acq: 23 Oct 2018 18:47

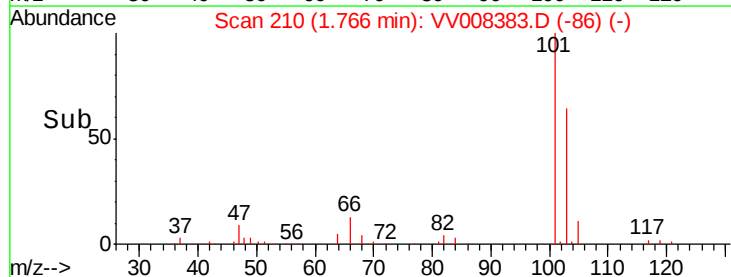
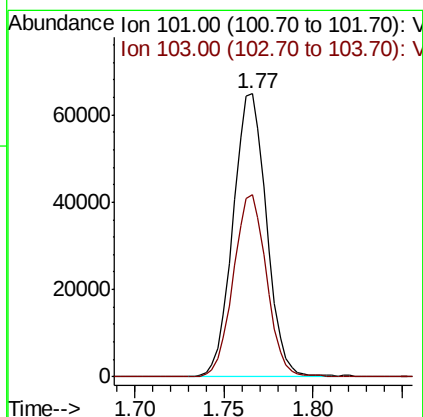
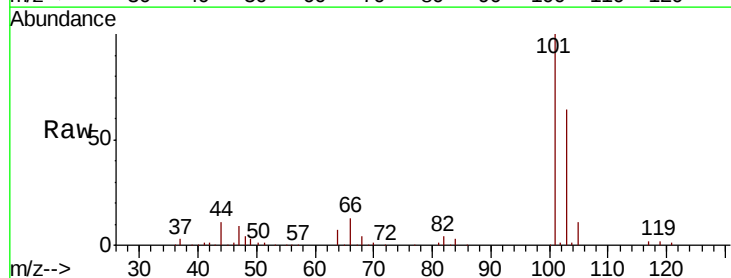
Instrument :
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 ClientSampleId :
 VSTD05053

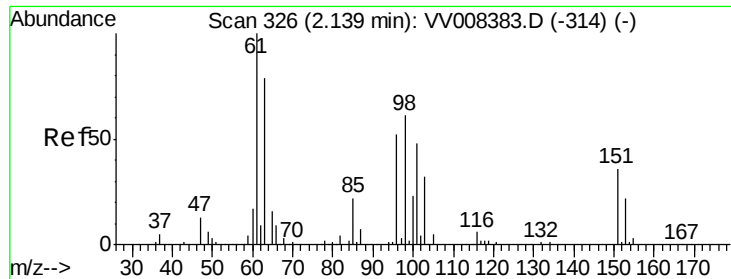
Tgt Ion: 64 Resp: 33341
 Ion Ratio Lower Upper
 64 100
 66 28.4 19.9 36.9



#9
 Trichlorofluoromethane
 Concen: 48.161 ug/L
 RT: 1.77 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VV008383.D
 Acq: 23 Oct 2018 18:47

Tgt Ion: 101 Resp: 85001
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.0 76.6





#10

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

Concen: 47.815 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD05053

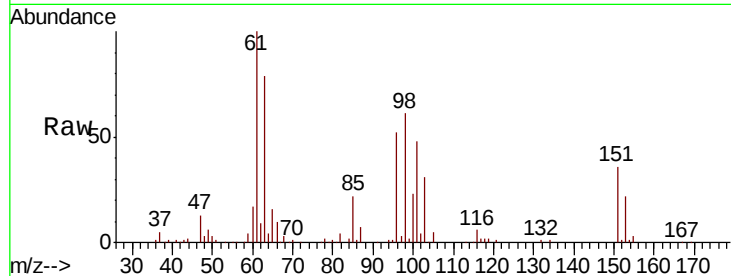
Tgt Ion: 101 Resp: 44826

Ion Ratio Lower Upper

101 100

85 44.5 35.6 53.4

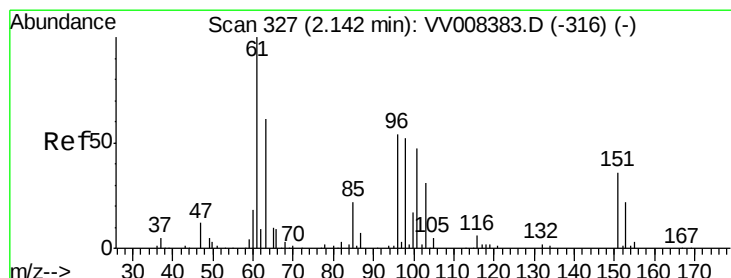
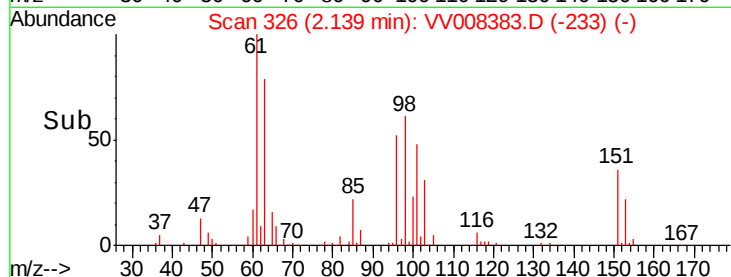
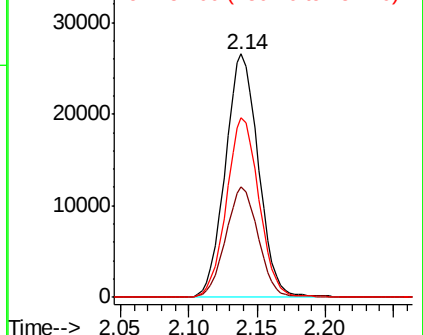
151 72.6 58.1 87.1



Abundance Ion 101.00 (100.70 to 101.70): VV008383.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV008383.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV008383.D (-314) (-)



#12

1,1-Dichloroethene

Concen: 46.869 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

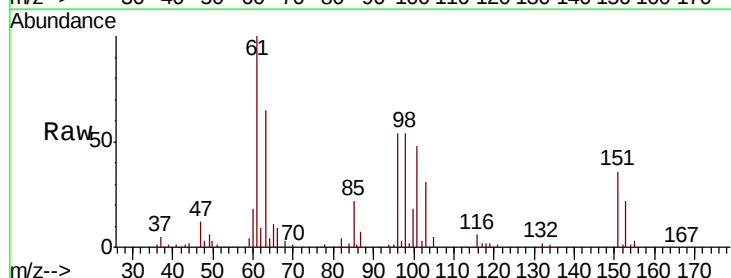
Tgt Ion: 96 Resp: 41171

Ion Ratio Lower Upper

96 100

61 186.2 130.3 242.1

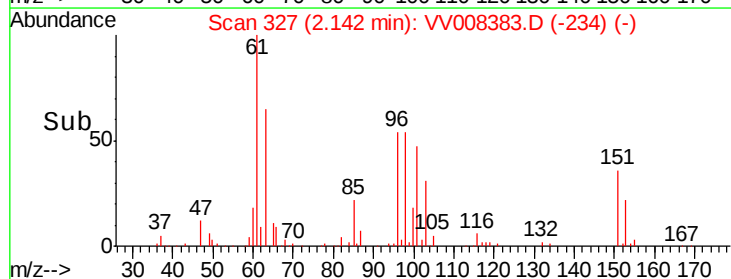
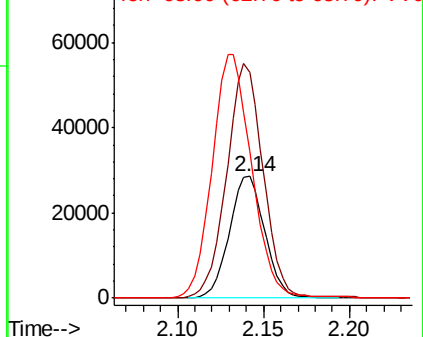
63 120.6 84.4 156.8

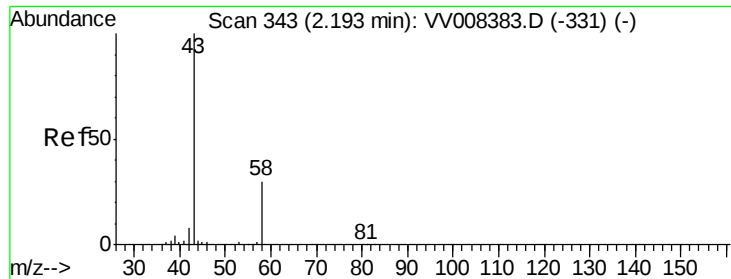


Abundance Ion 96.00 (95.70 to 96.70): VV008383.D (-316) (-)

Ion 61.00 (60.70 to 61.70): VV008383.D (-316) (-)

Ion 63.00 (62.70 to 63.70): VV008383.D (-316) (-)





#13

Acetone

Concen: 103.255 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

Instrument :

MSVOA_V

ClientSampleId :

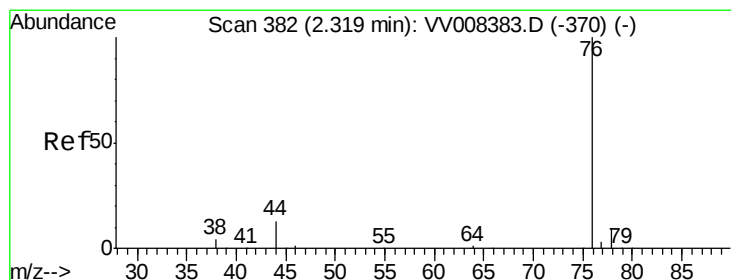
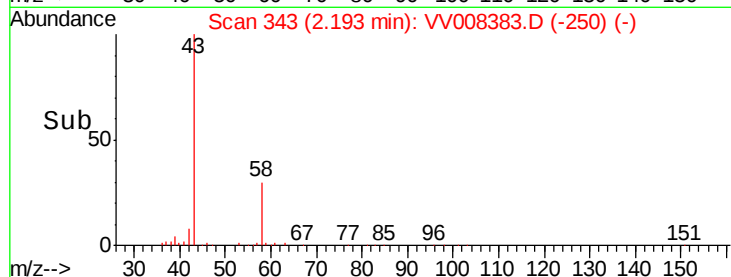
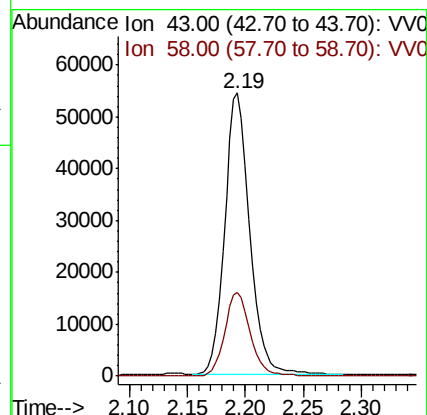
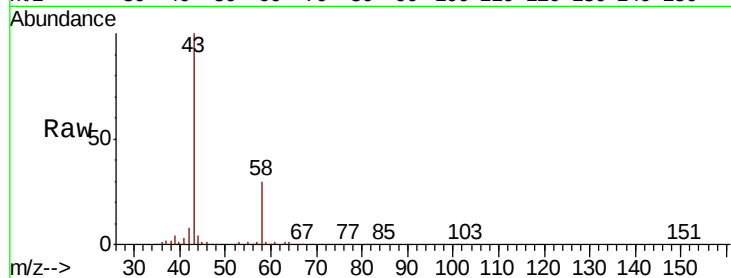
VSTD05053

Tgt Ion: 43 Resp: 81175

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.4



#14

Carbon disulfide

Concen: 59.834 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008383.D

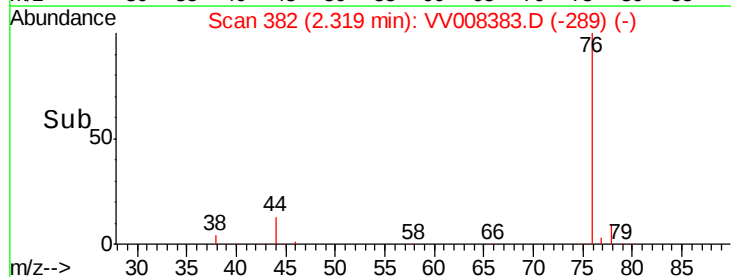
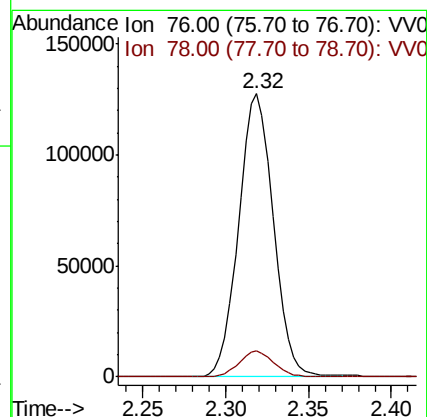
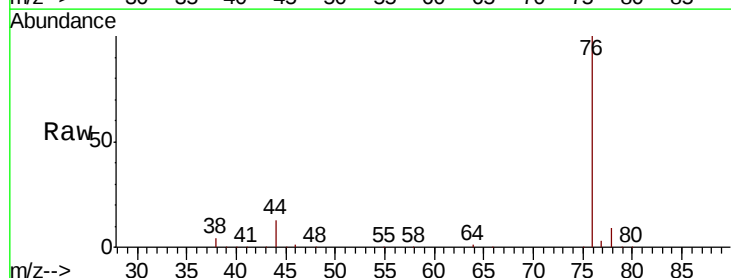
Acq: 23 Oct 2018 18:47

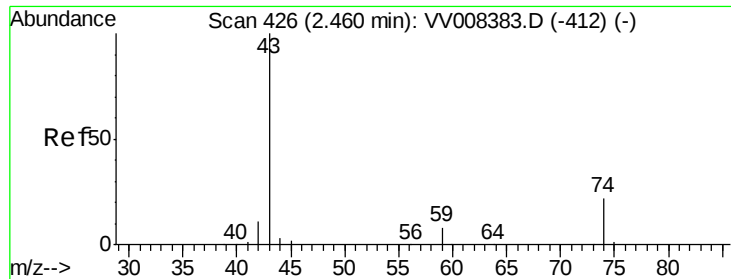
Tgt Ion: 76 Resp: 186050

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

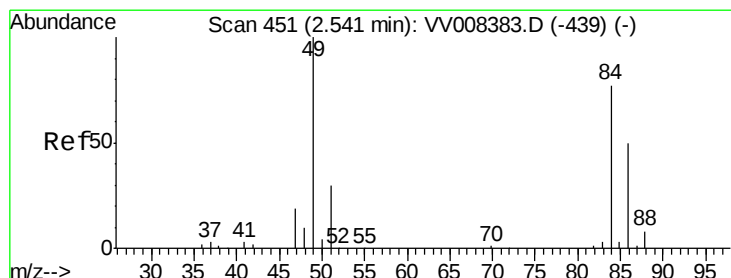
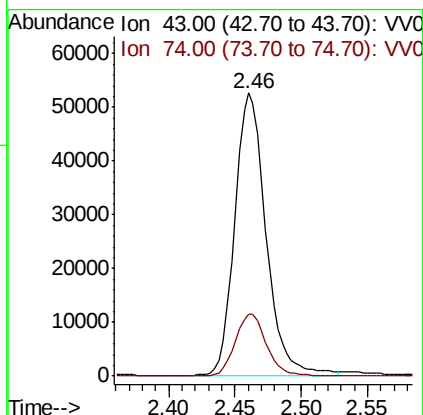
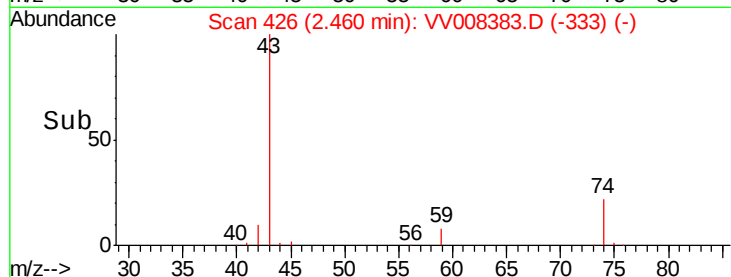
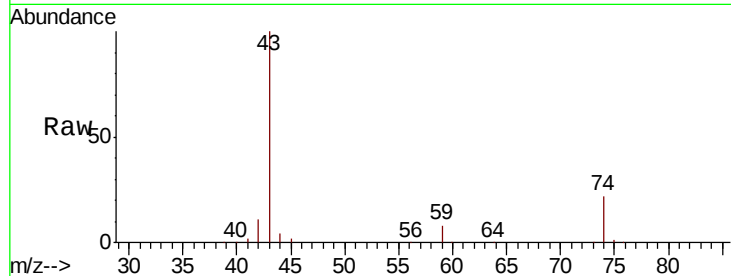




#15
Methyl Acetate
Concen: 61.461 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV008383.D
Acq: 23 Oct 2018 18:47

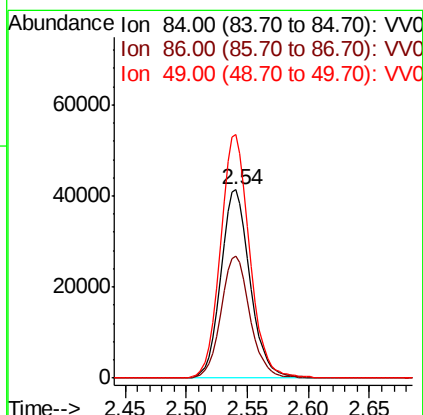
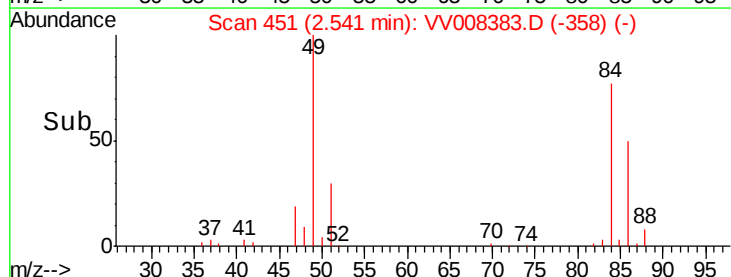
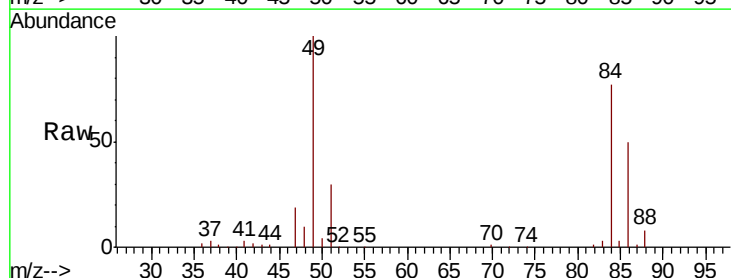
Instrument :
MSVOA_V
ClientSampleId :
VSTD05053

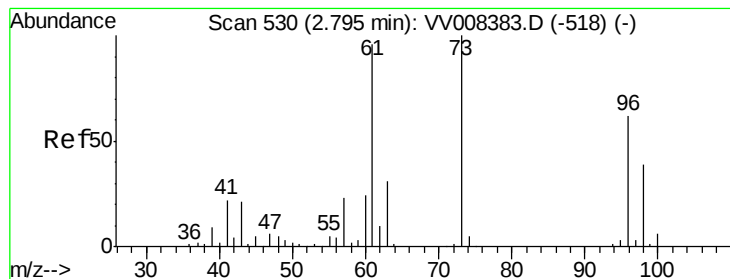
Tgt Ion: 43 Resp: 85530
Ion Ratio Lower Upper
43 100
74 22.2 17.8 26.6



#16
Methylene chloride
Concen: 63.260 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV008383.D
Acq: 23 Oct 2018 18:47

Tgt Ion: 84 Resp: 69904
Ion Ratio Lower Upper
84 100
86 65.1 45.6 84.6
49 129.5 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 61.330 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD05053

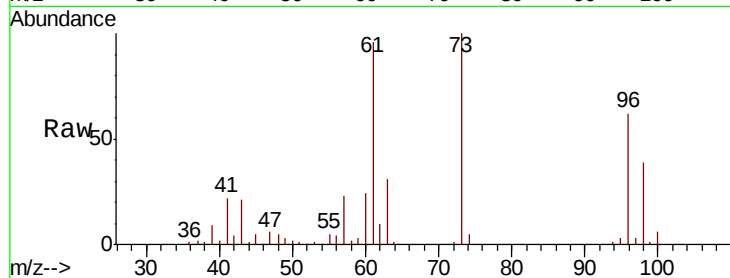
Tgt Ion: 96 Resp: 62728

Ion Ratio Lower Upper

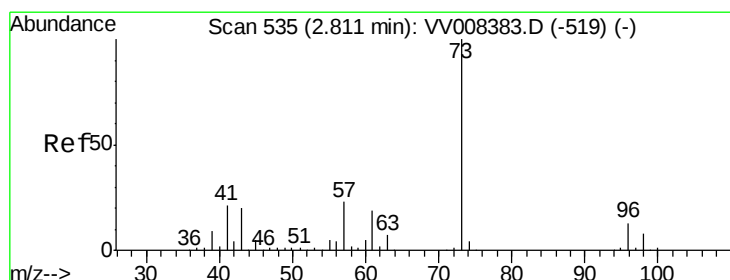
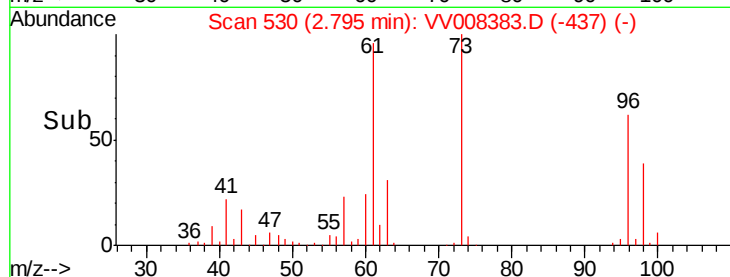
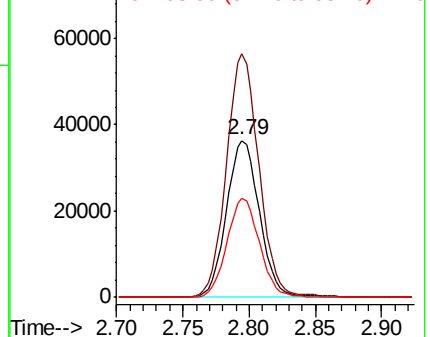
96 100

61 155.1 108.6 201.6

98 63.3 44.3 82.3



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



#18

Methyl tert-butyl Ether

Concen: 61.748 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

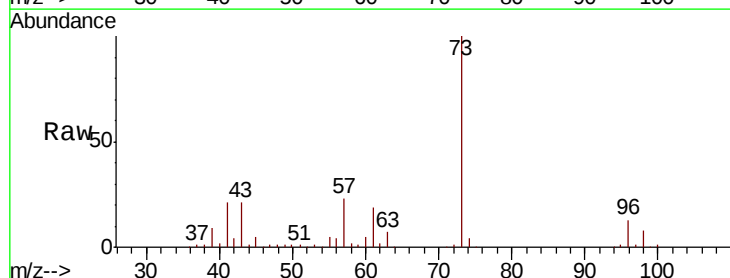
Tgt Ion: 73 Resp: 227019

Ion Ratio Lower Upper

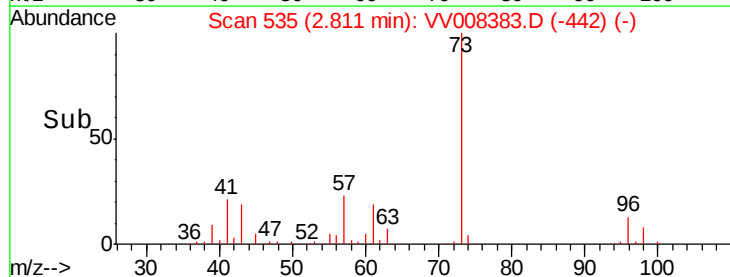
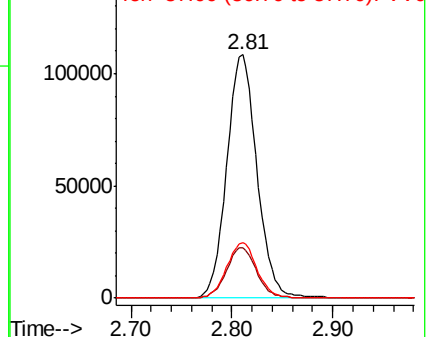
73 100

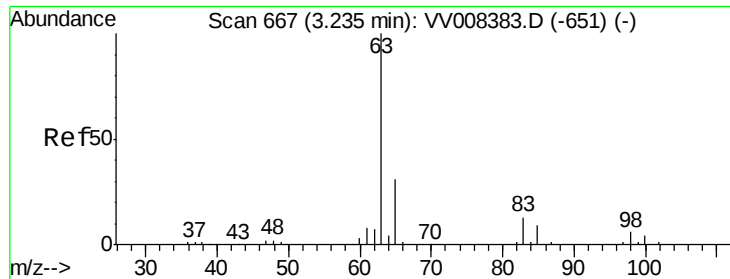
43 20.3 16.2 24.4

57 22.7 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 48.650 ug/L

RT: 3.24 min Scan# 667

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD05053

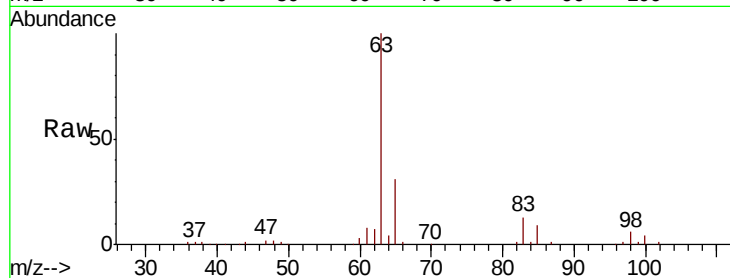
Tgt Ion: 63 Resp: 130519

Ion Ratio Lower Upper

63 100

65 31.4 22.0 40.8

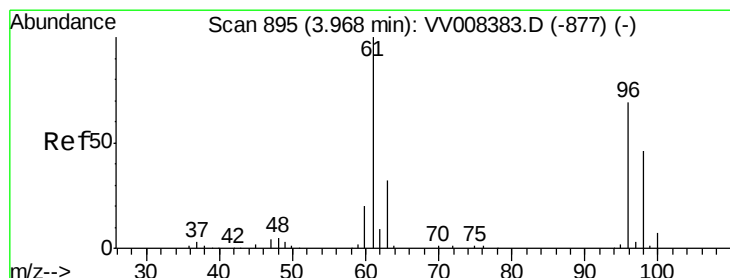
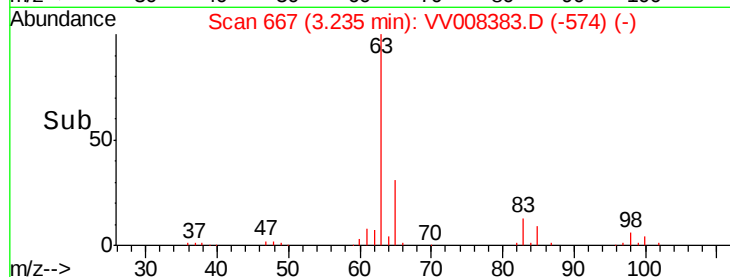
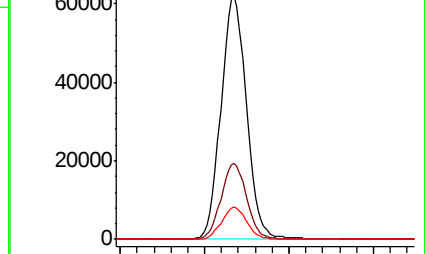
83 13.3 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VV008383.D (-651) (-)

Ion 65.00 (64.70 to 65.70): VV008383.D (-651) (-)

Ion 83.00 (82.70 to 83.70): VV008383.D (-651) (-)



#20

cis-1,2-Dichloroethene

Concen: 47.267 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

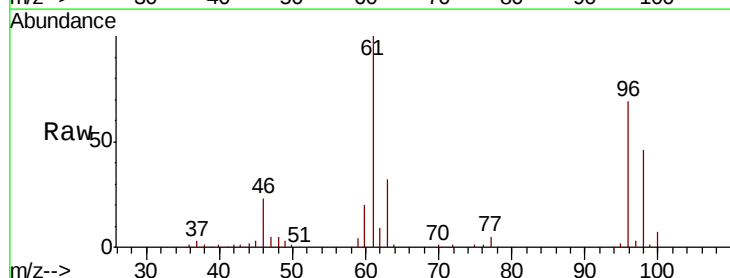
Tgt Ion: 96 Resp: 72643

Ion Ratio Lower Upper

96 100

61 144.2 100.9 187.5

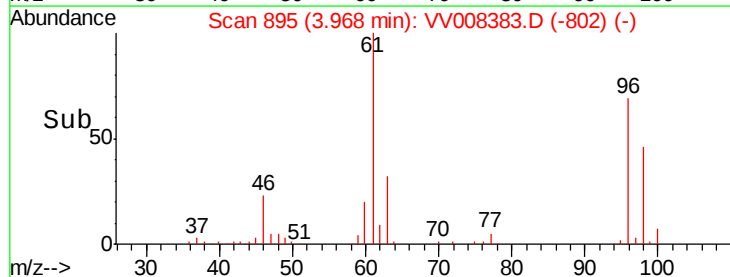
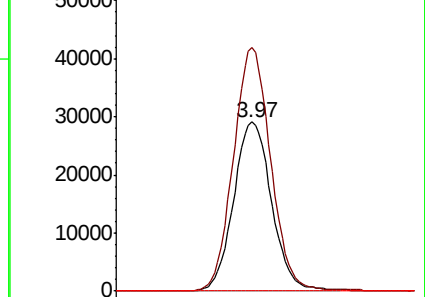
68 0.0 0.0 0.0

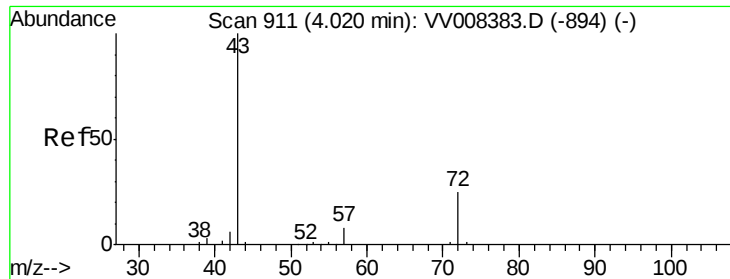


Abundance Ion 96.00 (95.70 to 96.70): VV008383.D (-877) (-)

Ion 61.00 (60.70 to 61.70): VV008383.D (-877) (-)

Ion 68.00 (67.70 to 68.70): VV008383.D (-877) (-)





#22

2-Butanone

Concen: 91.658 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

Instrument :

MSVOA_V

ClientSampleId :

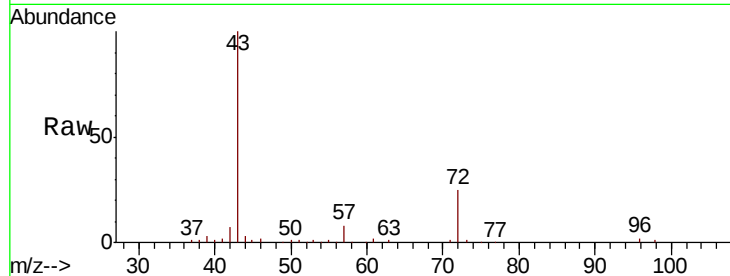
VSTD05053

Tgt Ion: 43 Resp: 124574

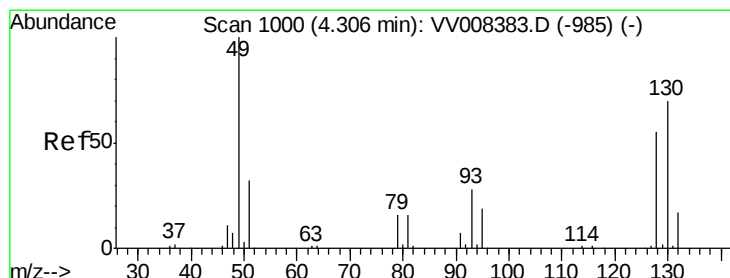
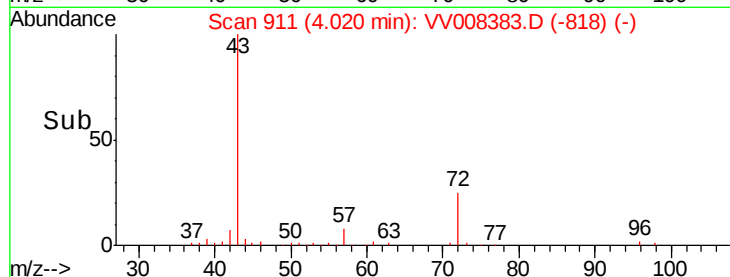
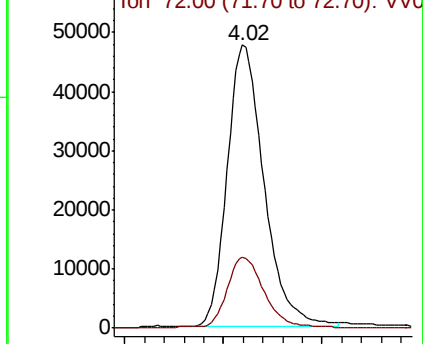
Ion Ratio Lower Upper

43 100

72 25.9 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV008383.D (-894) (-)



#23

Bromochloromethane

Concen: 48.098 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

Tgt Ion: 128 Resp: 33681

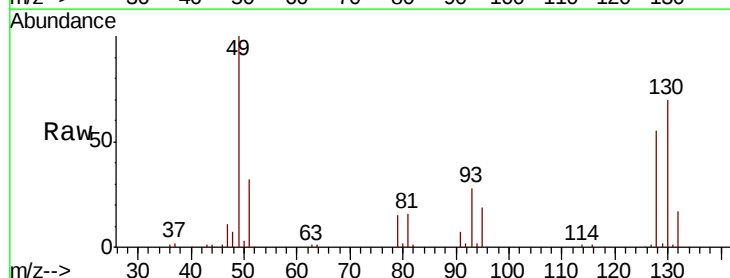
Ion Ratio Lower Upper

128 100

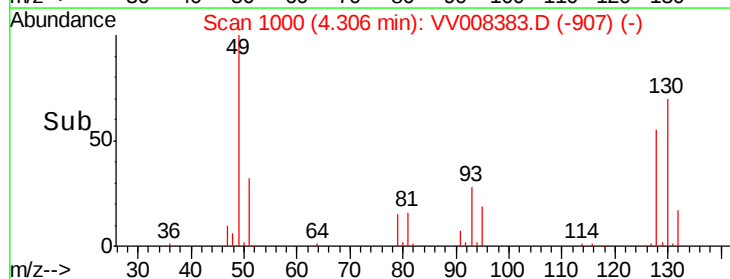
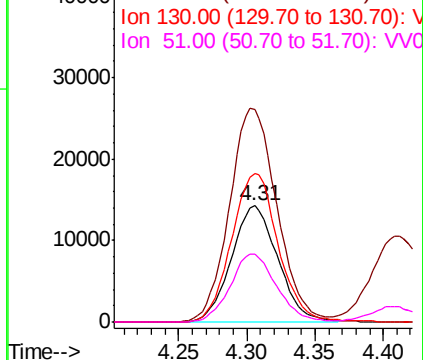
49 182.9 128.0 237.8

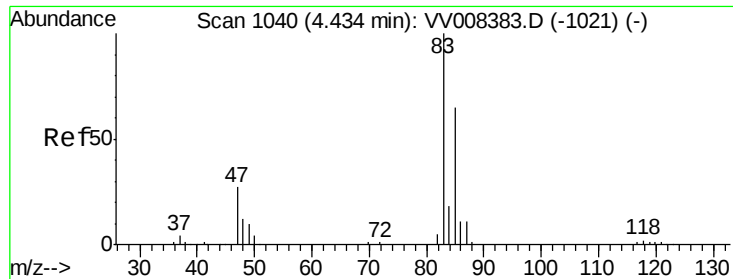
130 127.5 89.2 165.8

51 58.5 46.8 70.2



Abundance Ion 128.00 (127.70 to 128.70): VV008383.D (-985) (-)

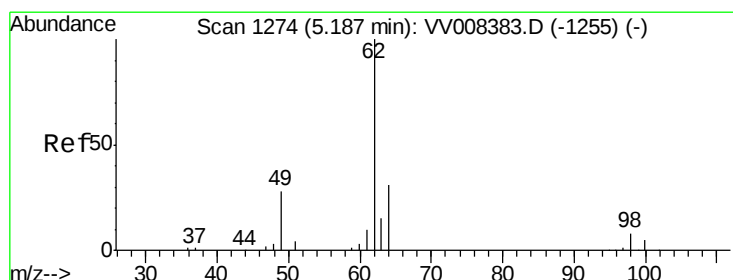
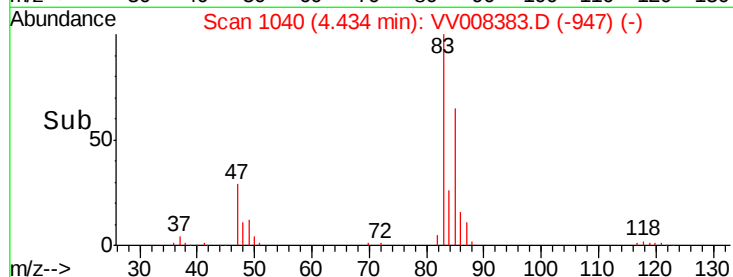
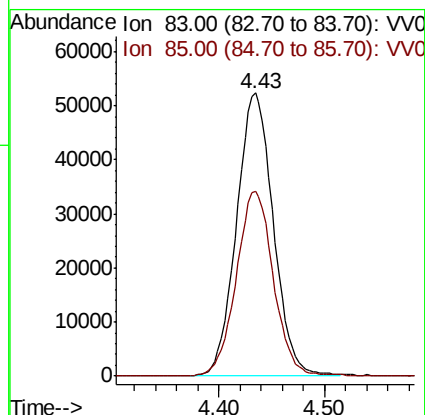
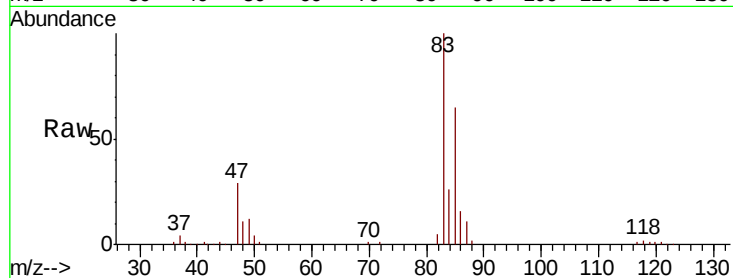




#25
Chloroform
Concen: 48.124 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008383.D
Acq: 23 Oct 2018 18:47

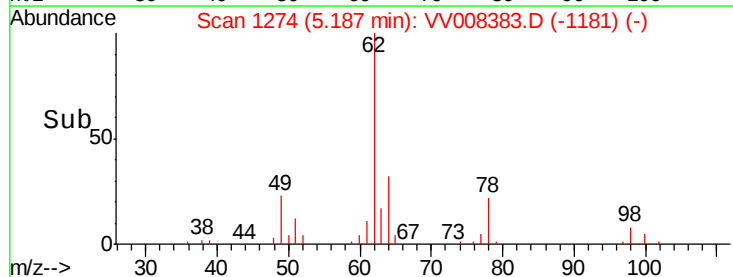
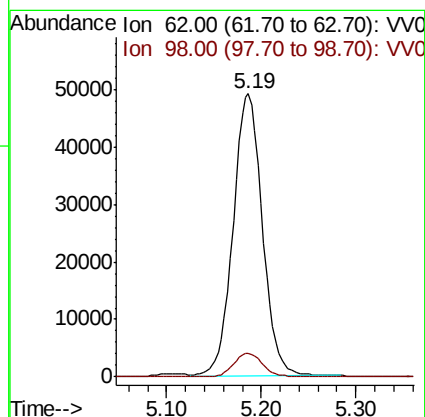
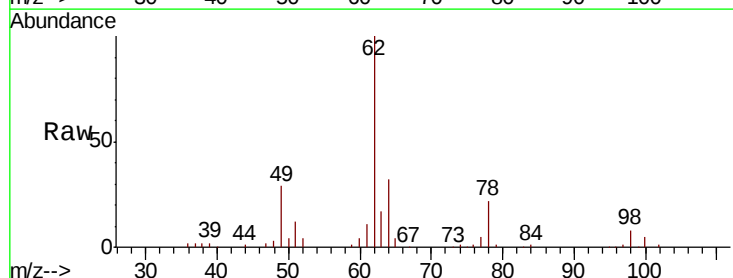
Instrument :
MSVOA_V
ClientSampleId :
VSTD05053

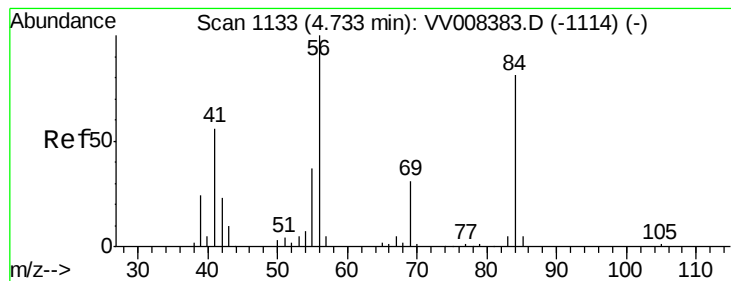
Tgt Ion: 83 Resp: 127106
Ion Ratio Lower Upper
83 100
85 65.5 45.8 85.2



#27
1,2-Dichloroethane
Concen: 48.194 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008383.D
Acq: 23 Oct 2018 18:47

Tgt Ion: 62 Resp: 105969
Ion Ratio Lower Upper
62 100
98 8.2 6.6 9.8





#29

Cyclohexane

Concen: 45.860 ug/L

RT: 4.73 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD05053

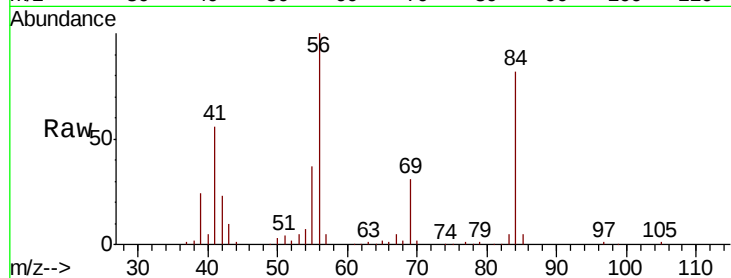
Tgt Ion: 56 Resp: 122696

Ion Ratio Lower Upper

56 100

69 30.8 24.6 37.0

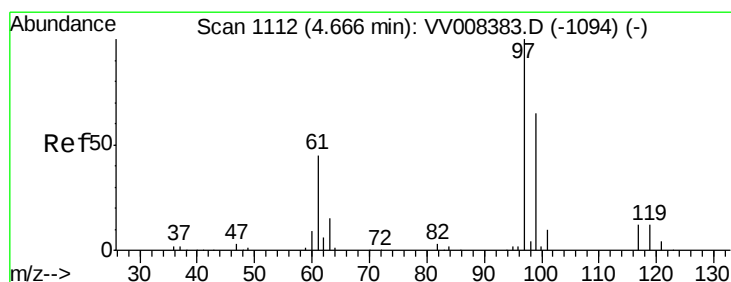
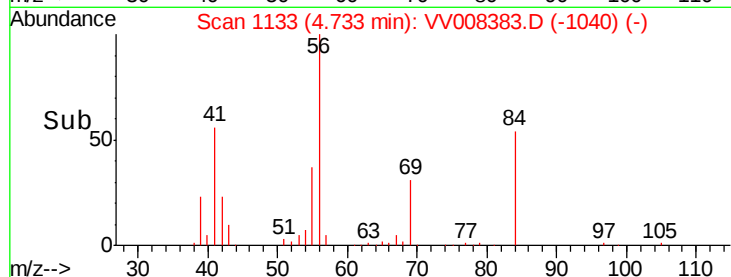
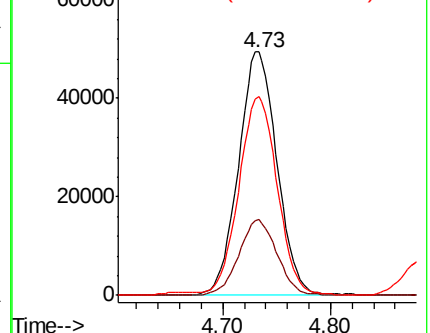
84 81.2 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VV008383.D (-1114) (-)

Ion 69.00 (68.70 to 69.70): VV008383.D (-1114) (-)

Ion 84.00 (83.70 to 84.70): VV008383.D (-1114) (-)



#30

1,1,1-Trichloroethane

Concen: 46.951 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

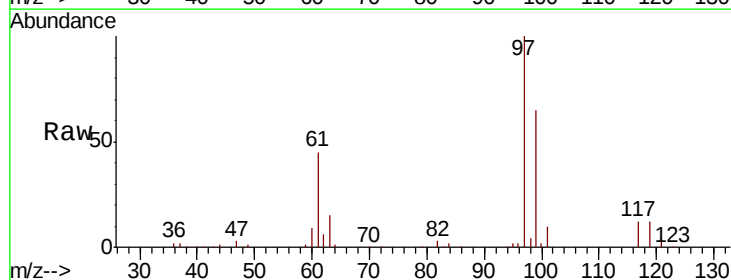
Tgt Ion: 97 Resp: 110846

Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

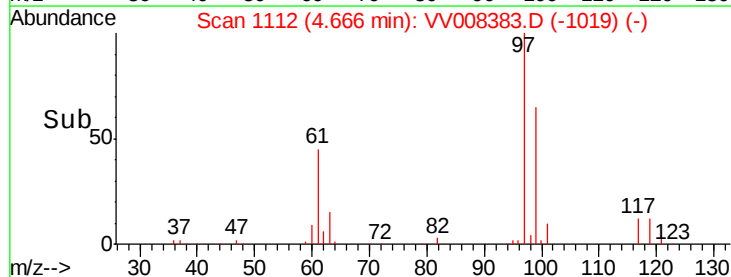
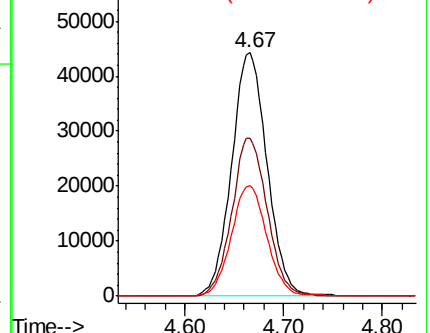
61 45.6 36.5 54.7

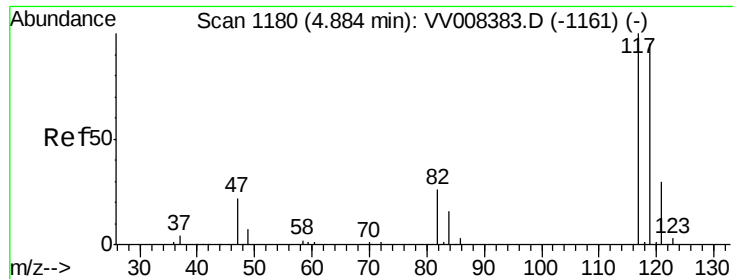


Abundance Ion 97.00 (96.70 to 97.70): VV008383.D (-1094) (-)

Ion 99.00 (98.70 to 99.70): VV008383.D (-1094) (-)

Ion 61.05 (60.75 to 61.75): VV008383.D (-1094) (-)

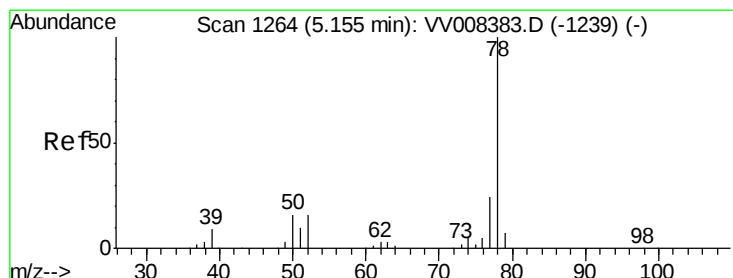
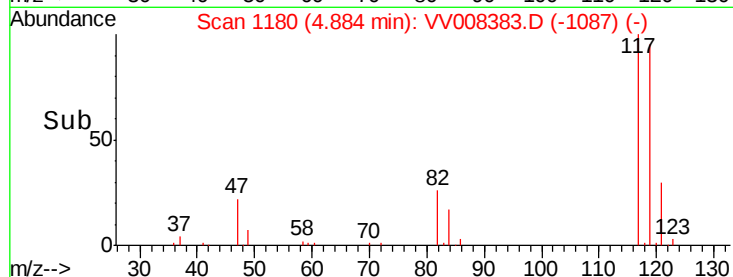
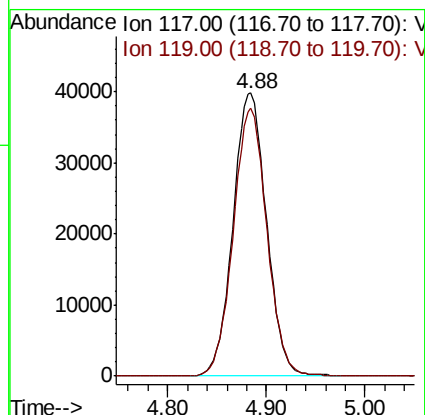
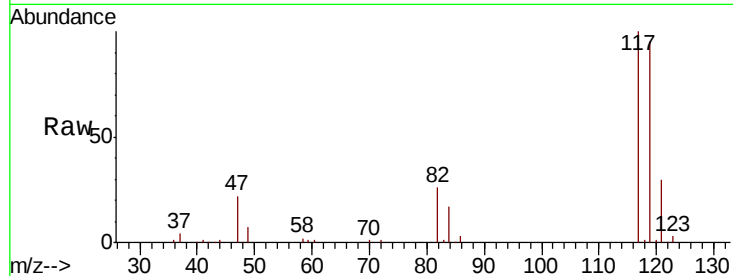




#31
Carbon tetrachloride
Concen: 47.483 ug/L
RT: 4.88 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VV008383.D
Acq: 23 Oct 2018 18:47

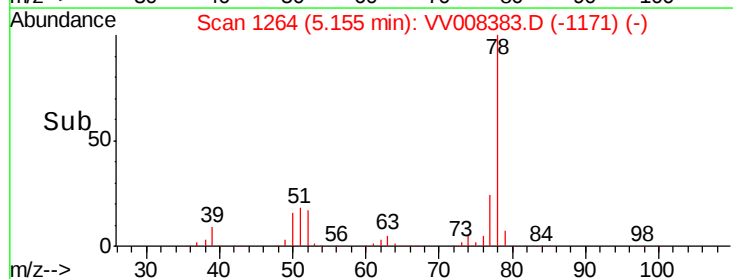
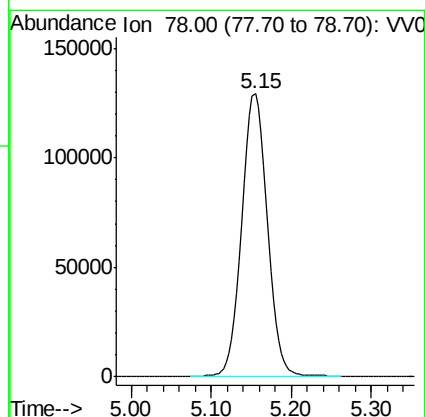
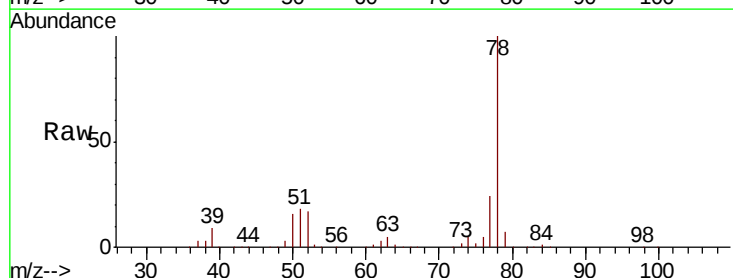
Instrument :
MSVOA_V
ClientSampleId :
VSTD05053

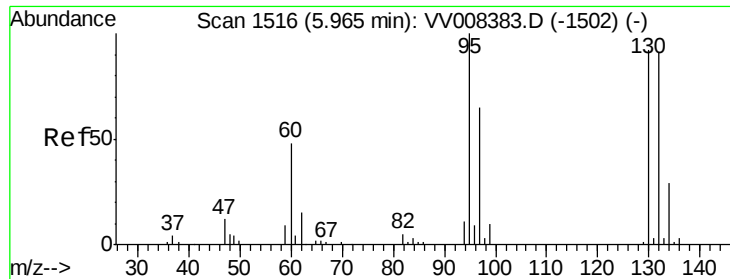
Tgt Ion:117 Resp: 94185
Ion Ratio Lower Upper
117 100
119 94.8 75.8 113.8



#33
Benzene
Concen: 46.810 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV008383.D
Acq: 23 Oct 2018 18:47

Tgt Ion: 78 Resp: 279714





#34

Trichloroethene

Concen: 41.032 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD05053

Tgt Ion: 95 Resp: 70743

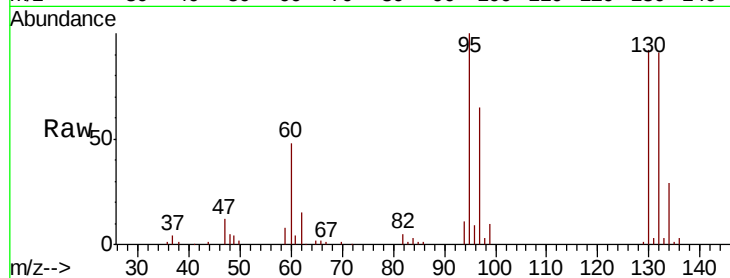
Ion Ratio Lower Upper

95 100

97 64.6 45.2 84.0

132 91.2 63.8 118.6

130 92.4 64.7 120.1

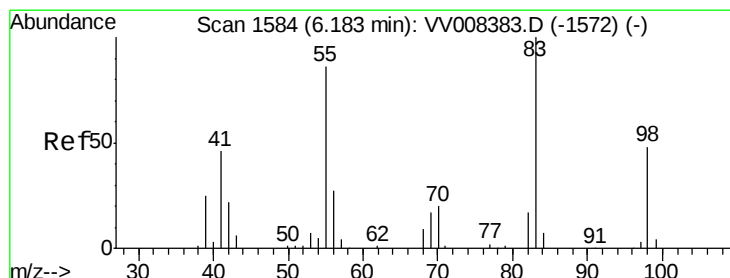
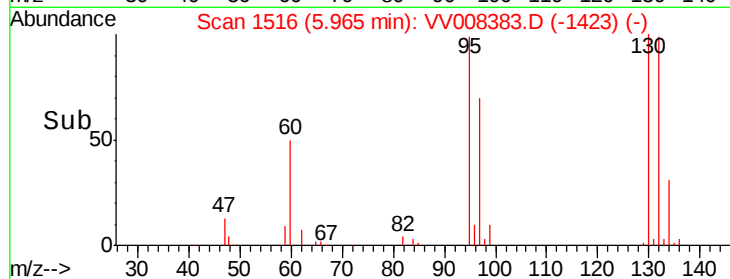
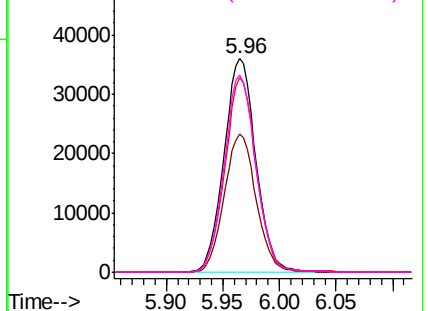


Abundance Ion 95.00 (94.70 to 95.70): VV008383.D (-1502) (-)

Ion 97.00 (96.70 to 97.70): VV008383.D (-1502) (-)

Ion 132.00 (131.70 to 132.70): VV008383.D (-1502) (-)

Ion 130.00 (129.70 to 130.70): VV008383.D (-1502) (-)



#35

Methylcyclohexane

Concen: 47.145 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

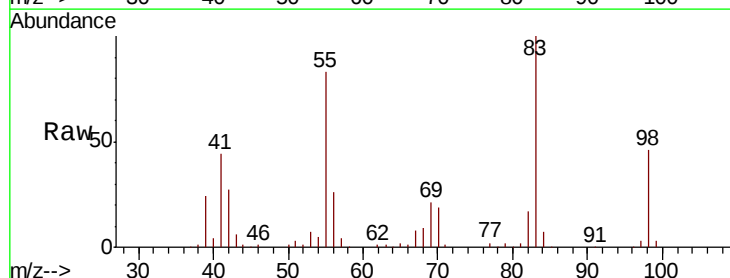
Tgt Ion: 83 Resp: 123408

Ion Ratio Lower Upper

83 100

55 81.2 65.0 97.4

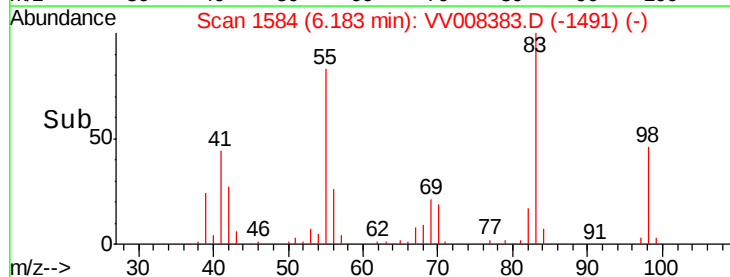
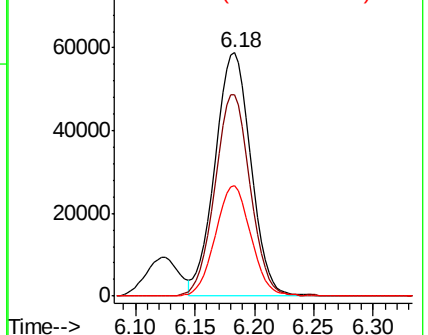
98 45.0 36.0 54.0

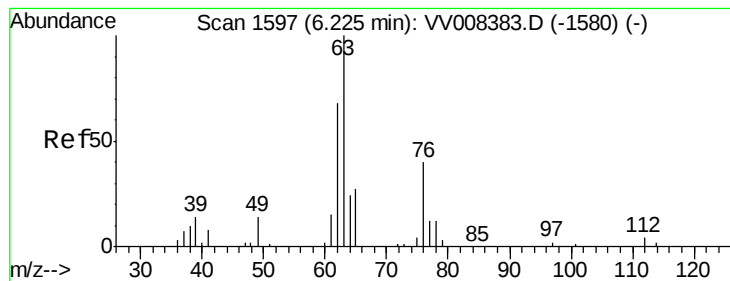


Abundance Ion 83.00 (82.70 to 83.70): VV008383.D (-1572) (-)

Ion 55.00 (54.70 to 55.70): VV008383.D (-1572) (-)

Ion 98.00 (97.70 to 98.70): VV008383.D (-1572) (-)





#37

1,2-Dichloropropane

Concen: 46.986 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

Instrument :

MSVOA_V

ClientSampleId :

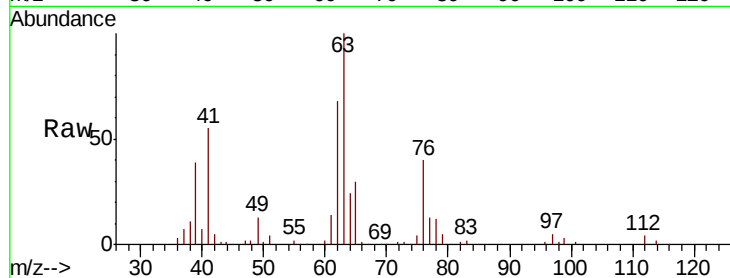
VSTD05053

Tgt Ion: 63 Resp: 76792

Ion Ratio Lower Upper

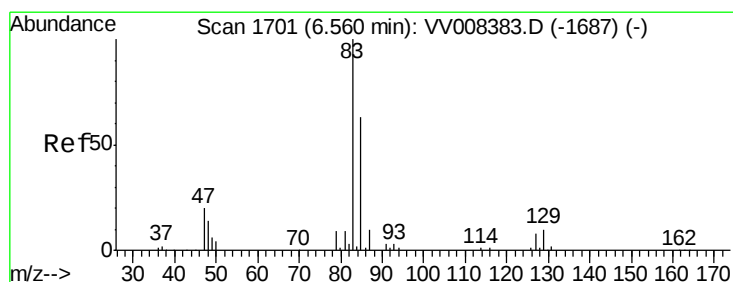
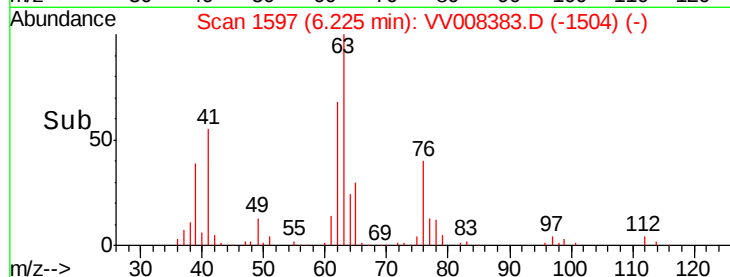
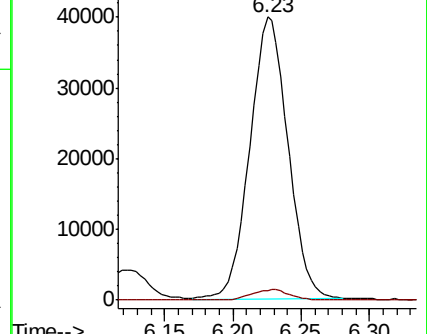
63 100

112 3.6 2.9 4.3



Abundance Ion 63.00 (62.70 to 63.70): VV008383.D (-1580) (-)

Ion 112.00 (111.70 to 112.70): VV008383.D (-1580) (-)



#38

Bromodichloromethane

Concen: 46.921 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

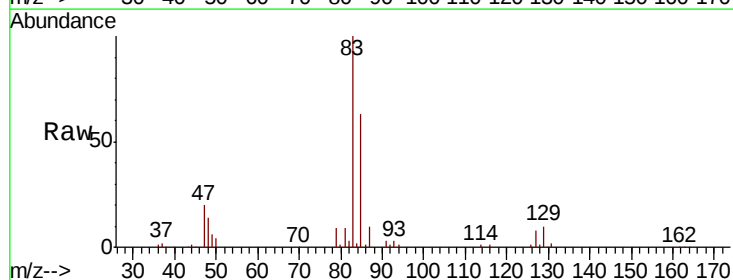
Tgt Ion: 83 Resp: 97140

Ion Ratio Lower Upper

83 100

85 63.3 44.3 82.3

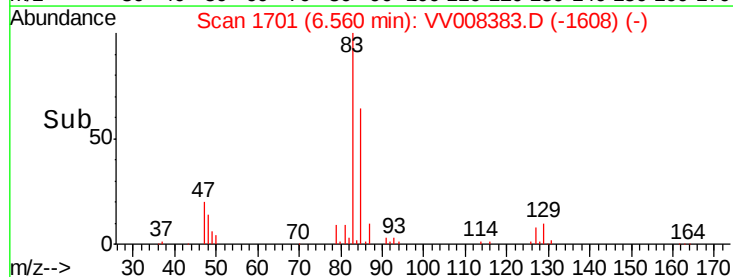
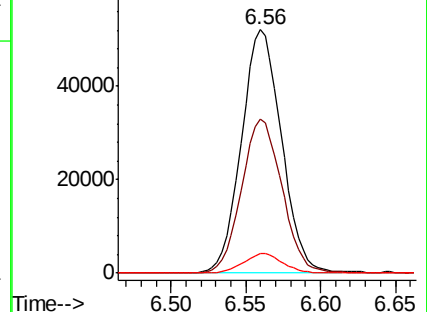
127 7.9 6.3 9.5

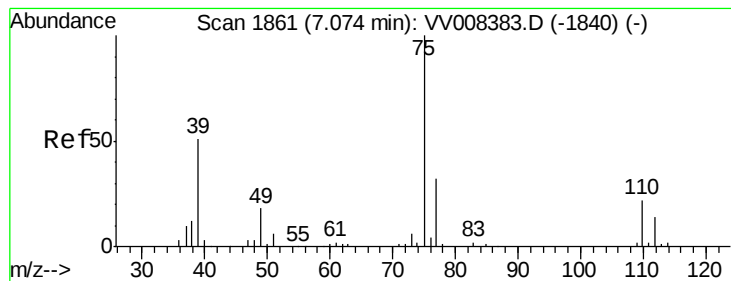


Abundance Ion 83.00 (82.70 to 83.70): VV008383.D (-1687) (-)

Ion 85.00 (84.70 to 85.70): VV008383.D (-1687) (-)

Ion 127.00 (126.70 to 127.70): VV008383.D (-1687) (-)



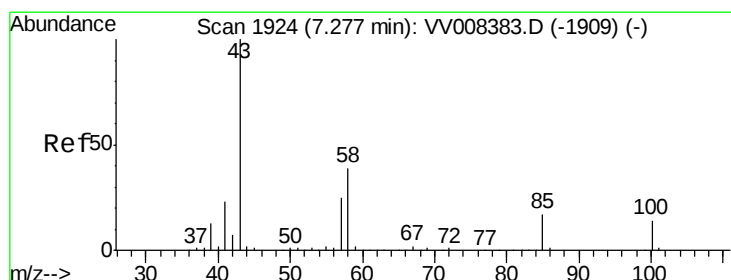
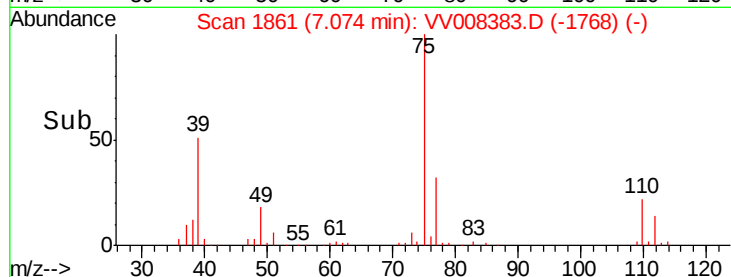
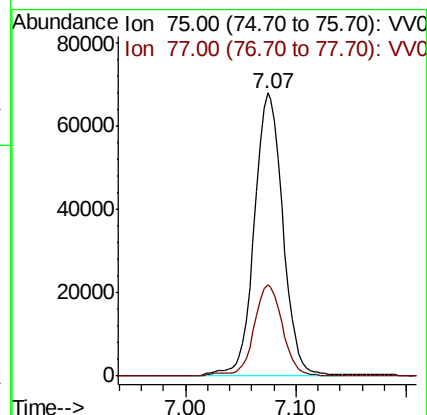
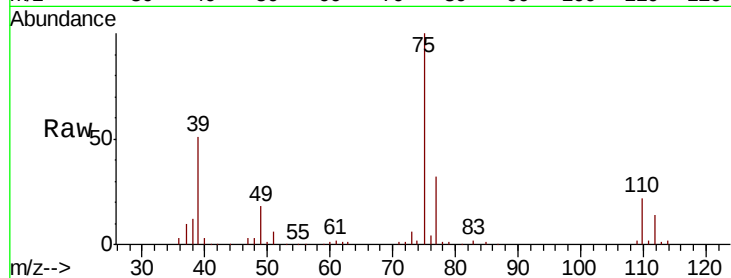


#39

cis-1,3-Dichloropropene
Concen: 47.663 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VV008383.D
Acq: 23 Oct 2018 18:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD05053

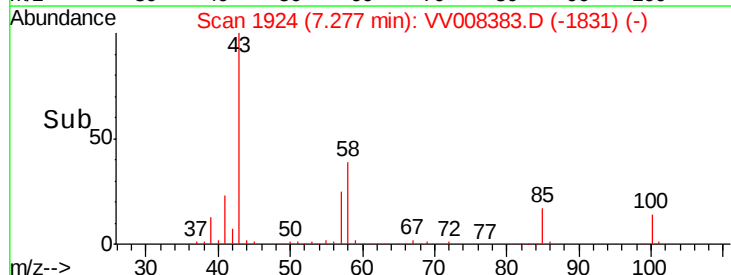
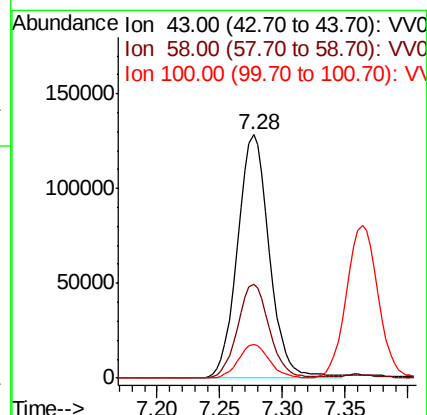
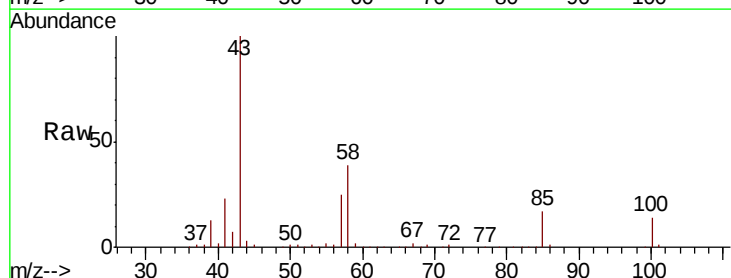
Tgt Ion: 75 Resp: 122584
Ion Ratio Lower Upper
75 100
77 32.3 22.6 42.0

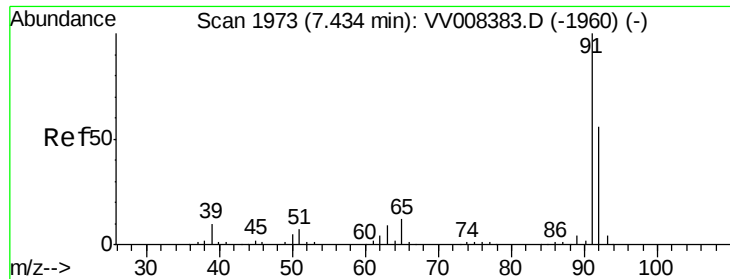


#40

4-Methyl-2-pentanone
Concen: 94.359 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV008383.D
Acq: 23 Oct 2018 18:47

Tgt Ion: 43 Resp: 226067
Ion Ratio Lower Upper
43 100
58 38.6 30.9 46.3
100 13.6 10.9 16.3





#42

Toluene

Concen: 47.355 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

Instrument :

MSVOA_V

ClientSampleId :

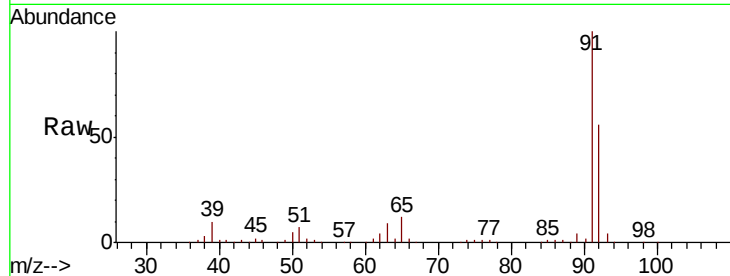
VSTD05053

Tgt Ion: 91 Resp: 292496

Ion Ratio Lower Upper

91 100

92 56.5 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VV008383.D (-1960) (-)

Ion 92.00 (91.70 to 92.70): VV008383.D (-1960) (-)

7.43

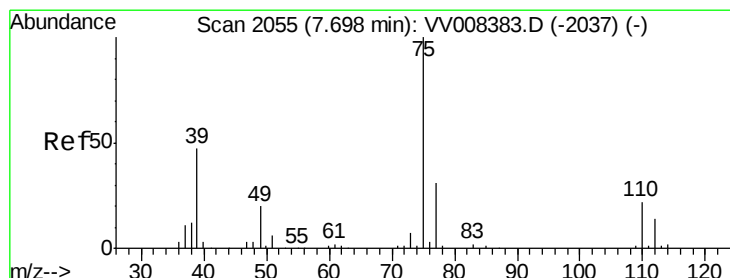
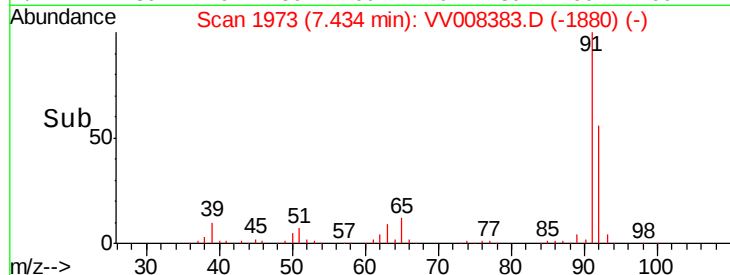
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.244 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008383.D

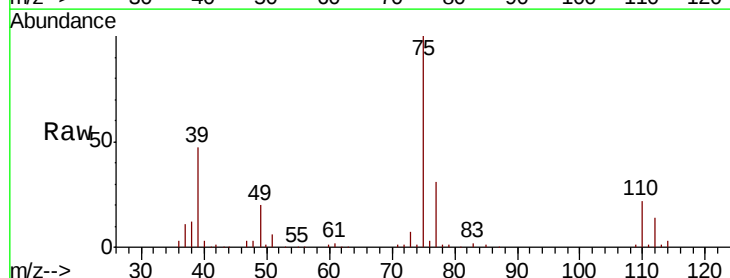
Acq: 23 Oct 2018 18:47

Tgt Ion: 75 Resp: 114823

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV008383.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV008383.D (-2037) (-)

7.70

80000

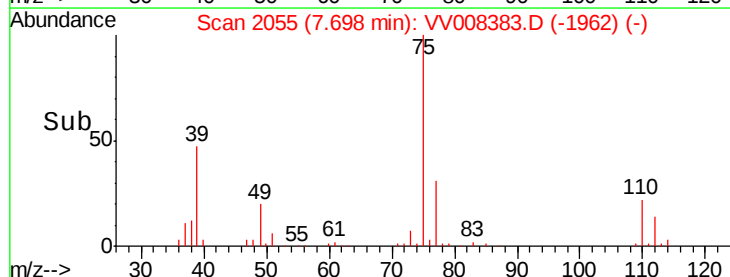
60000

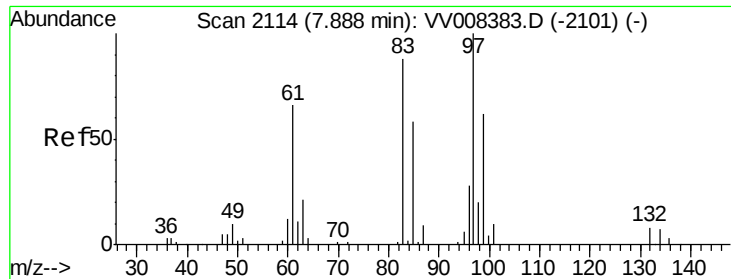
40000

20000

0

Time-->

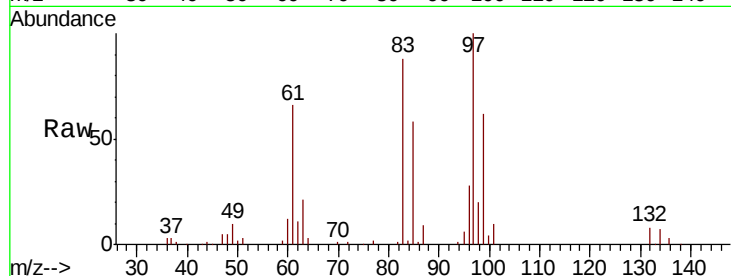




#45
1,1,2-Trichloroethane
Concen: 48.220 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VV008383.D
Acq: 23 Oct 2018 18:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD05053

Tgt Ion:	97	Resp:	68855
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.3	80.3
83	88.4	61.9	114.9
85	58.4	40.9	75.9



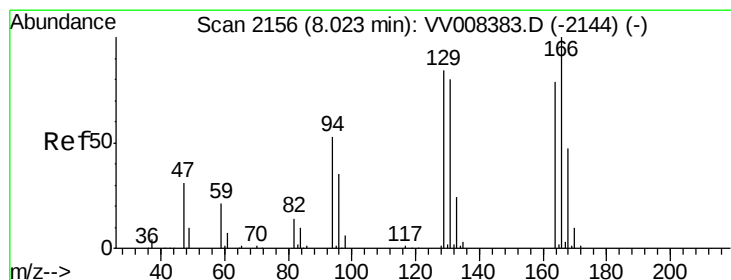
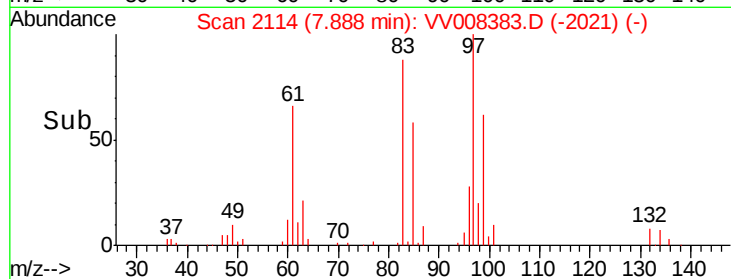
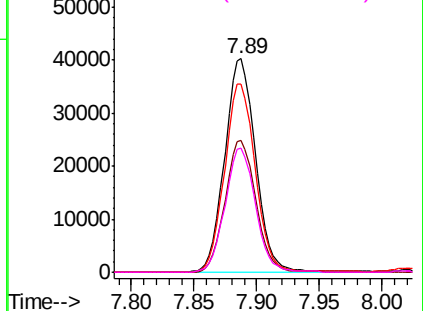
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

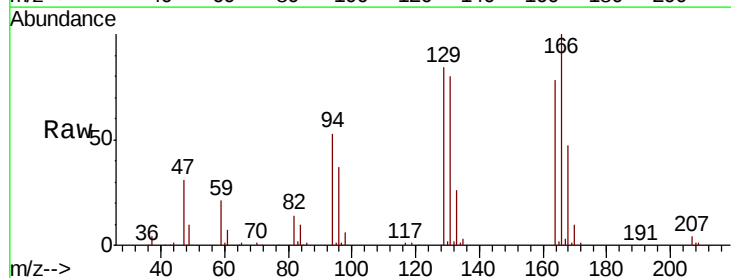
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
Tetrachloroethene
Concen: 47.262 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VV008383.D
Acq: 23 Oct 2018 18:47

Tgt Ion:	164	Resp:	47270
Ion	Ratio	Lower	Upper
164	100		
129	107.1	75.0	139.2
131	101.8	71.3	132.3
166	127.4	89.2	165.6



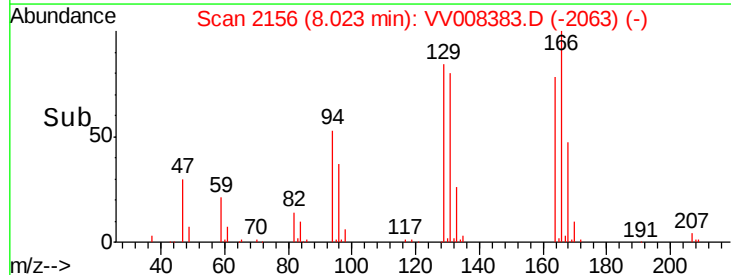
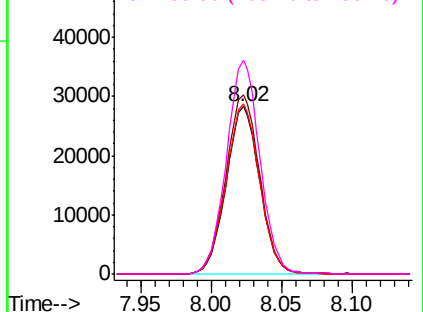
Abundance

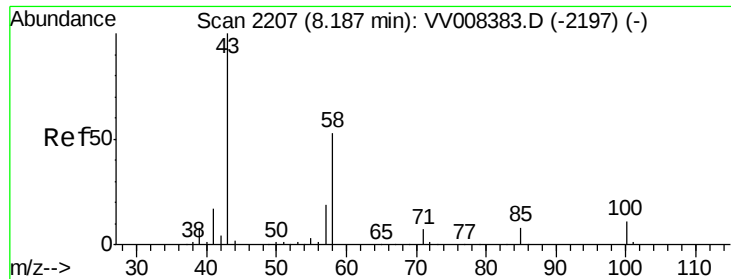
Ion 164.00 (163.70 to 164.70): V

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

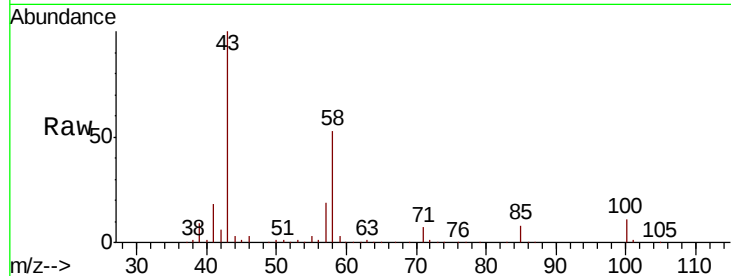




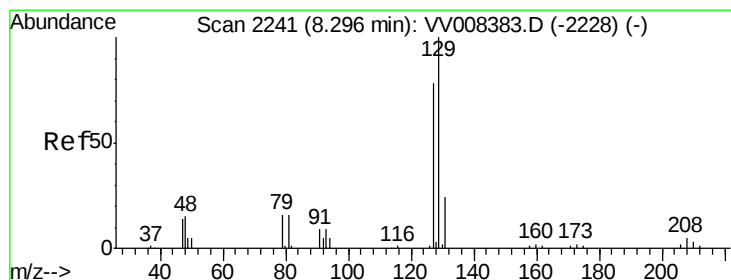
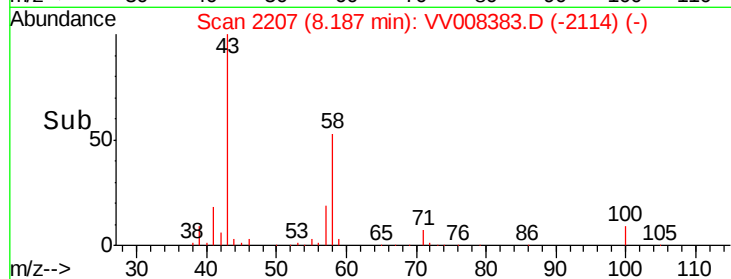
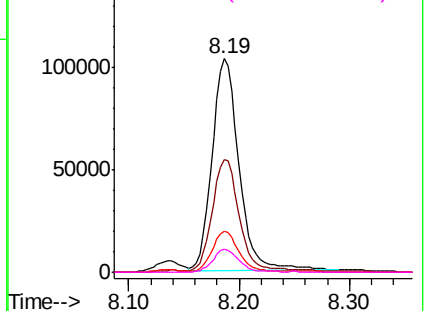
#48
2-Hexanone
Concen: 91.644 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV008383.D
Acq: 23 Oct 2018 18:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD05053

Tgt Ion: 43 Resp: 174939
Ion Ratio Lower Upper
43 100
58 53.2 42.6 63.8
57 18.5 14.8 22.2
100 10.6 8.5 12.7

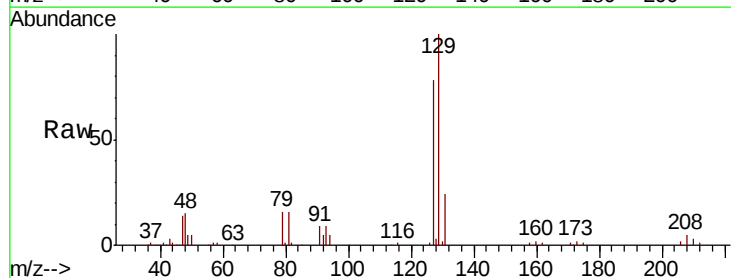


Abundance Ion 43.00 (42.70 to 43.70): VV008383.D (-2197) (-)
Ion 58.00 (57.70 to 58.70): VV008383.D (-2197) (-)
Ion 57.00 (56.70 to 57.70): VV008383.D (-2197) (-)
Ion 100.00 (99.70 to 100.70): VV008383.D (-2197) (-)

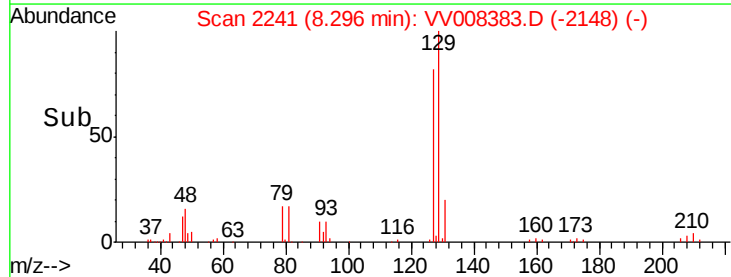
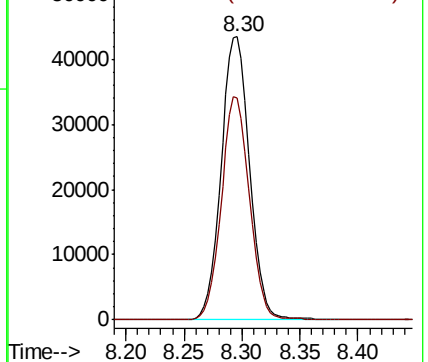


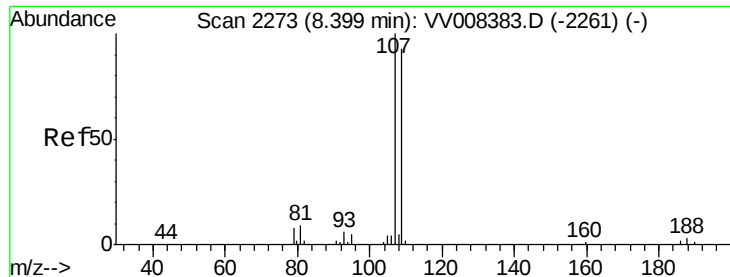
#49
Dibromochloromethane
Concen: 49.358 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV008383.D
Acq: 23 Oct 2018 18:47

Tgt Ion: 129 Resp: 74341
Ion Ratio Lower Upper
129 100
127 78.4 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): VV008383.D (-2228) (-)
Ion 127.00 (126.70 to 127.70): VV008383.D (-2228) (-)

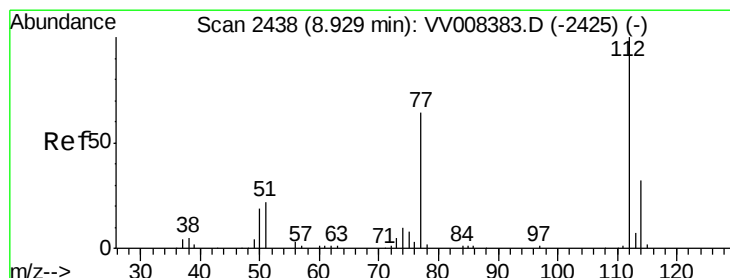
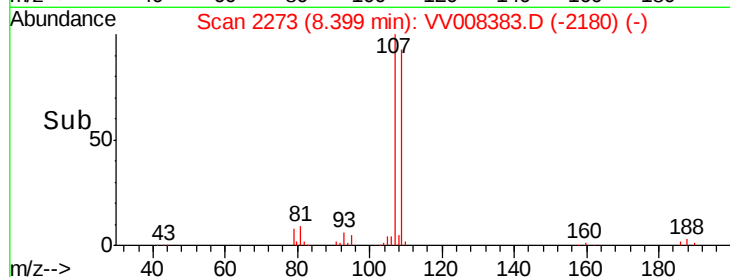
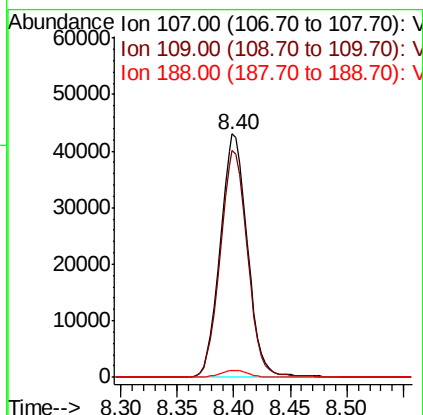
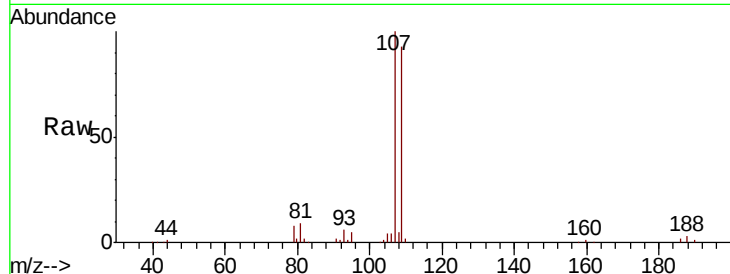




#50
 1,2-Dibromoethane
 Concen: 47.629 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VV008383.D
 Acq: 23 Oct 2018 18:47

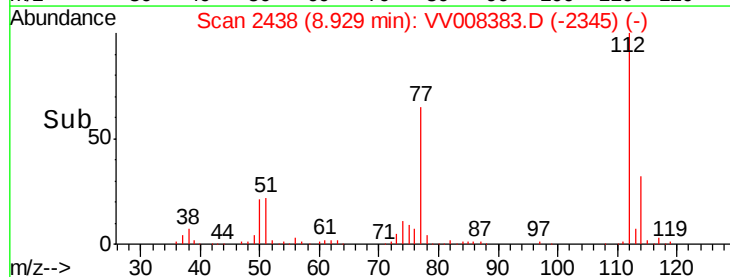
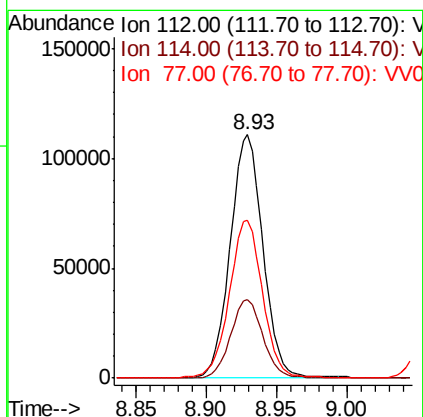
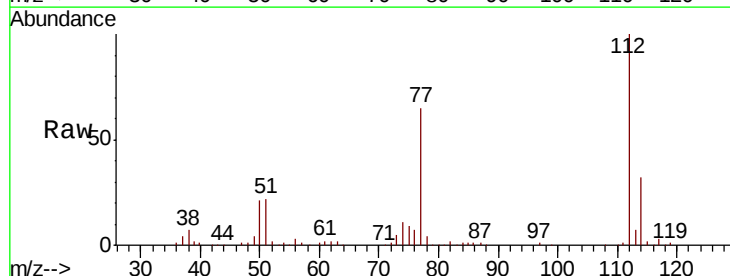
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05053

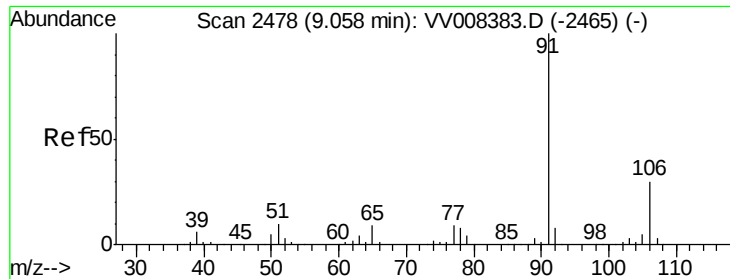
Tgt Ion:107 Resp: 72013
 Ion Ratio Lower Upper
 107 100
 109 93.2 65.2 121.2
 188 2.9 2.3 3.5



#51
 Chlorobenzene
 Concen: 47.356 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: VV008383.D
 Acq: 23 Oct 2018 18:47

Tgt Ion:112 Resp: 179878
 Ion Ratio Lower Upper
 112 100
 114 32.1 22.5 41.7
 77 65.0 52.0 78.0





#52

Ethylbenzene

Concen: 48.440 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

Instrument :

MSVOA_V

ClientSampleId :

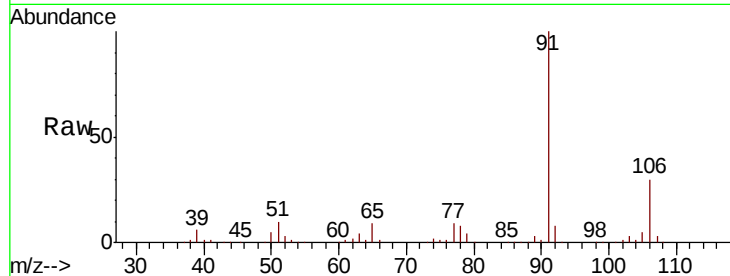
VSTD05053

Tgt Ion: 91 Resp: 330413

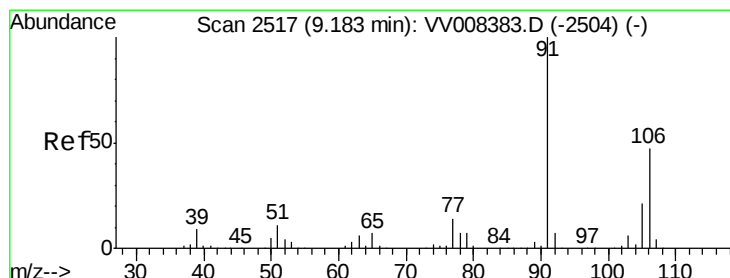
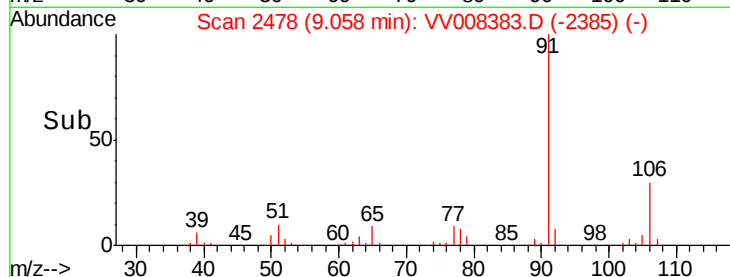
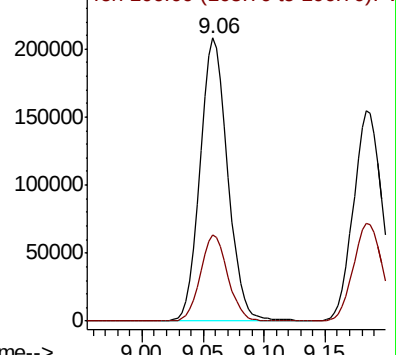
Ion Ratio Lower Upper

91 100

106 30.4 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV008383.D (-2465) (-)



#53

m,p-Xylene

Concen: 48.973 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008383.D

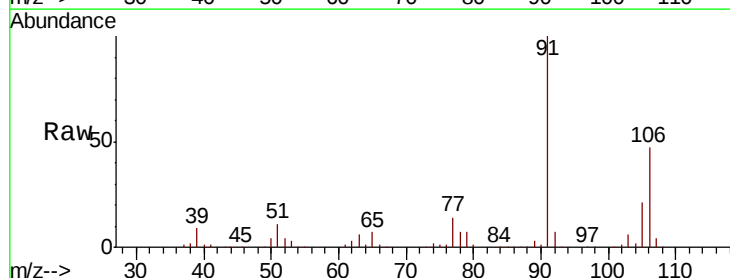
Acq: 23 Oct 2018 18:47

Tgt Ion: 106 Resp: 120767

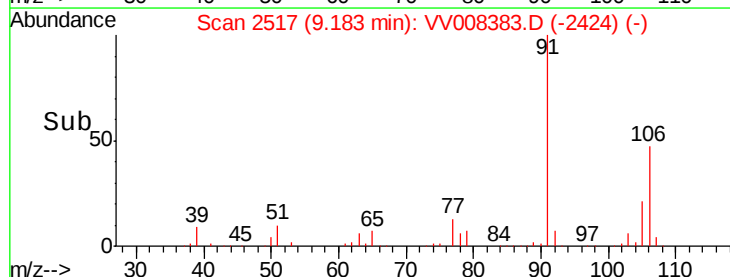
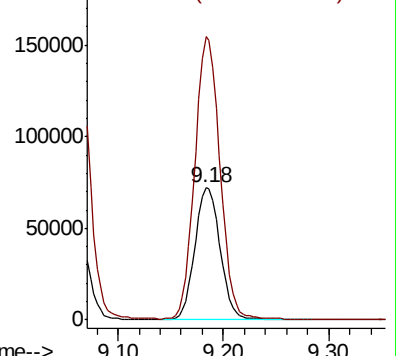
Ion Ratio Lower Upper

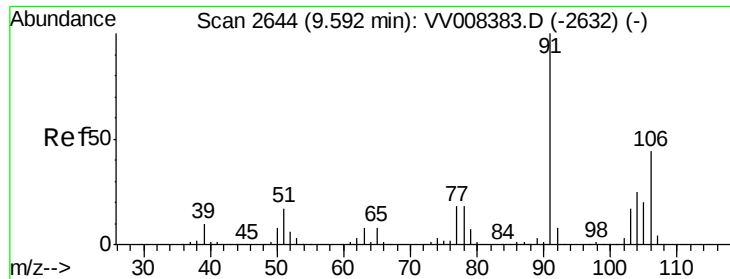
106 100

91 214.3 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): VV008383.D (-2504) (-)





#54

o-xylene

Concen: 48.801 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

Instrument :

MSVOA_V

ClientSampleId :

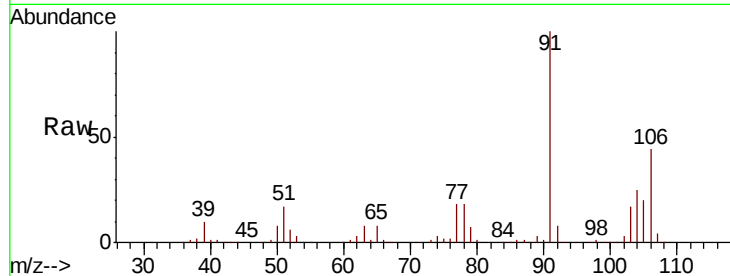
VSTD05053

Tgt Ion:106 Resp: 118573

Ion Ratio Lower Upper

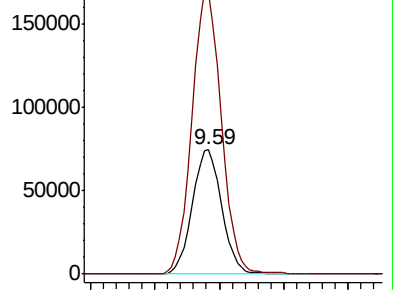
106 100

91 226.7 158.7 294.7

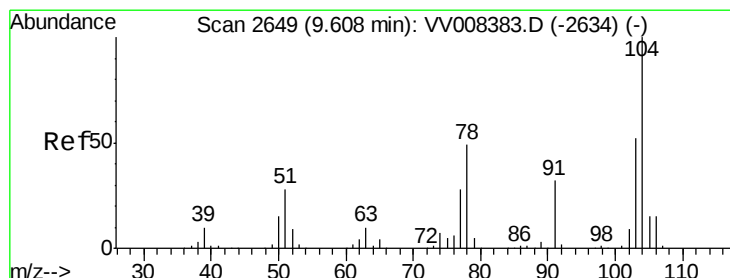
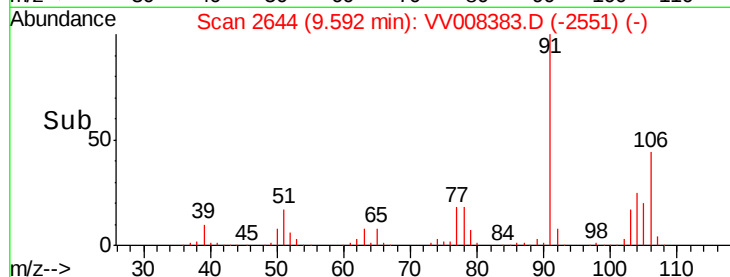


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



Time-->



#55

Styrene

Concen: 49.722 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008383.D

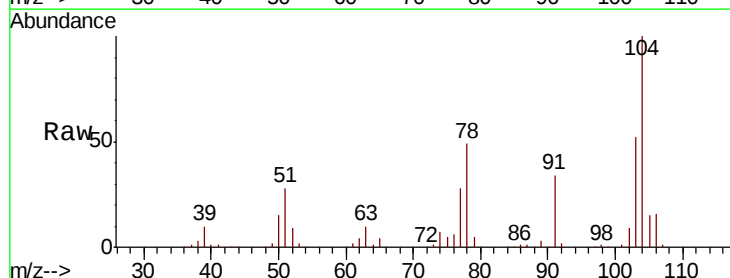
Acq: 23 Oct 2018 18:47

Tgt Ion:104 Resp: 202776

Ion Ratio Lower Upper

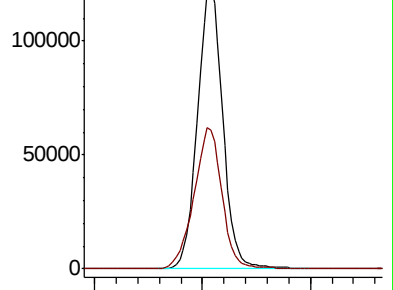
104 100

78 49.2 34.4 64.0

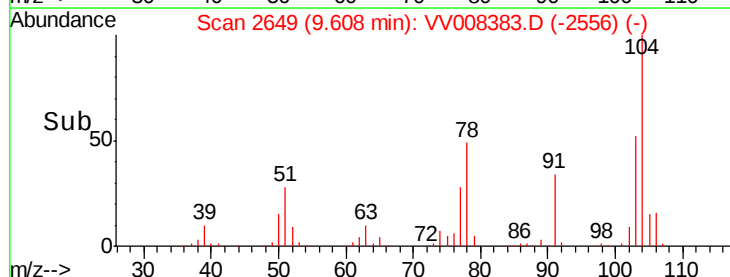


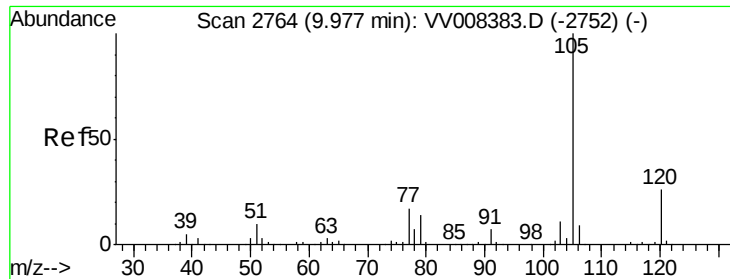
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



Time-->





#56

Isopropylbenzene

Concen: 48.622 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

Instrument :

MSVOA_V

ClientSampled :

VSTD05053

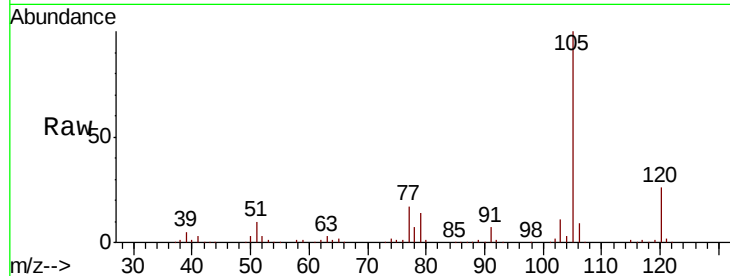
Tgt Ion:105 Resp: 314707

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

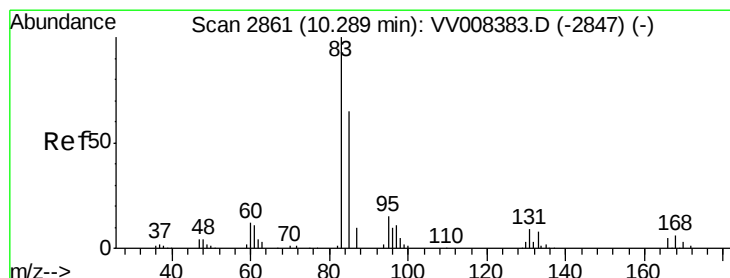
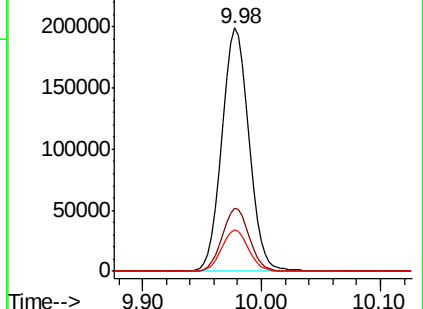
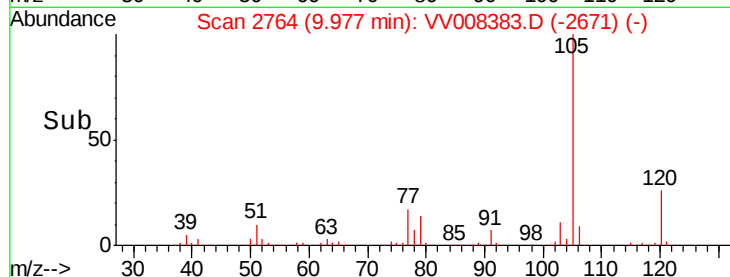
77 16.9 13.5 20.3



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: 58.255 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

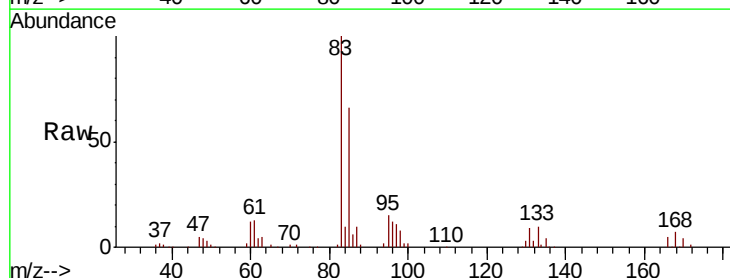
Tgt Ion: 83 Resp: 119636

Ion Ratio Lower Upper

83 100

85 65.5 45.8 85.2

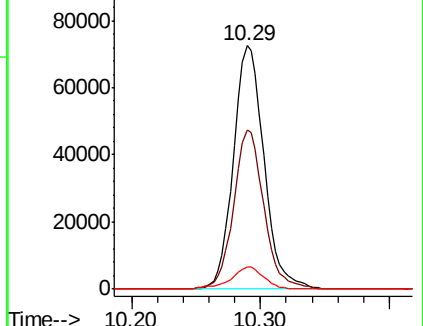
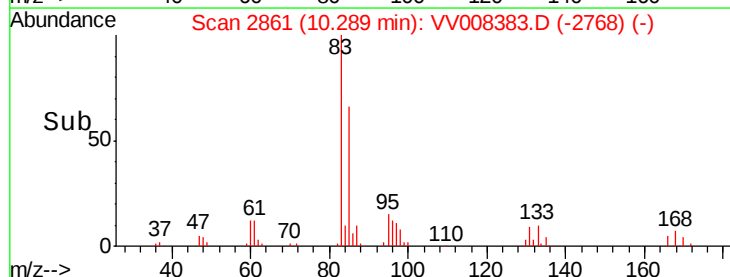
131 9.1 7.3 10.9

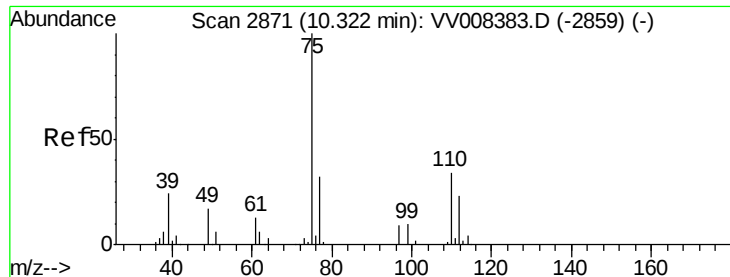


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.063 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

Instrument :

MSVOA_V

ClientSampleId :

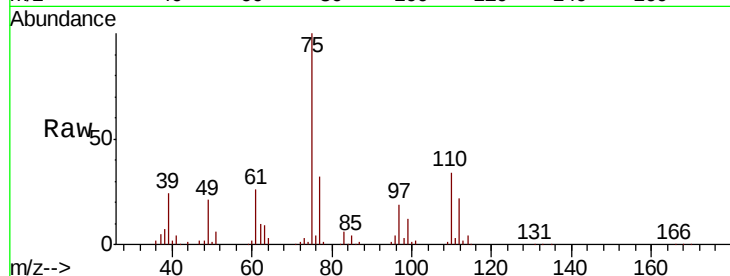
VSTD05053

Tgt Ion: 75 Resp: 96824

Ion Ratio Lower Upper

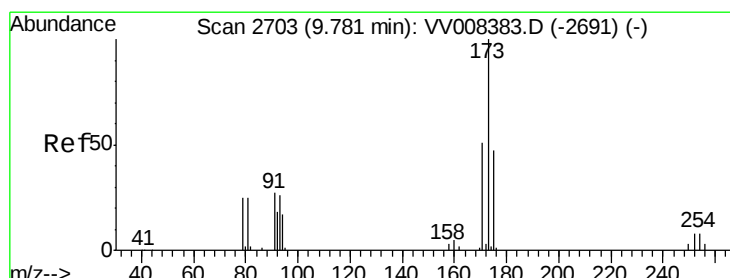
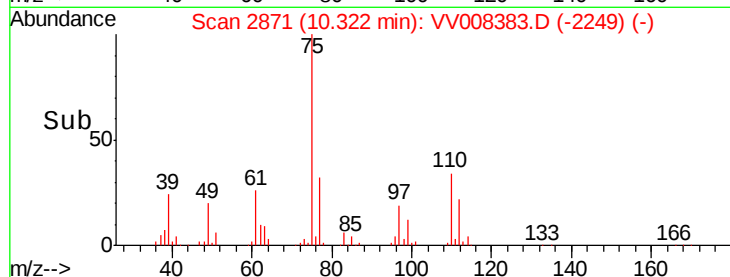
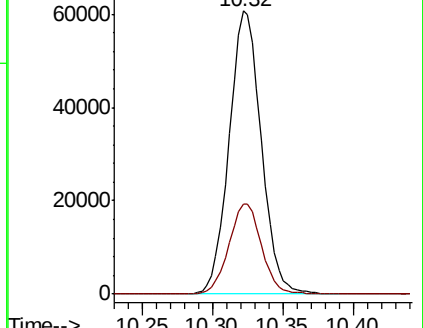
75 100

77 32.3 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV008383.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV008383.D (-2859) (-)



#61

Bromoform

Concen: 49.934 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

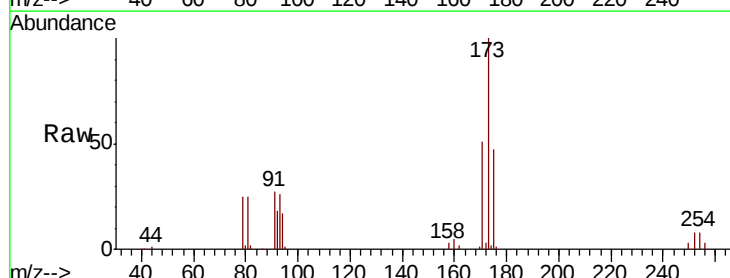
Tgt Ion: 173 Resp: 49305

Ion Ratio Lower Upper

173 100

175 48.2 38.6 57.8

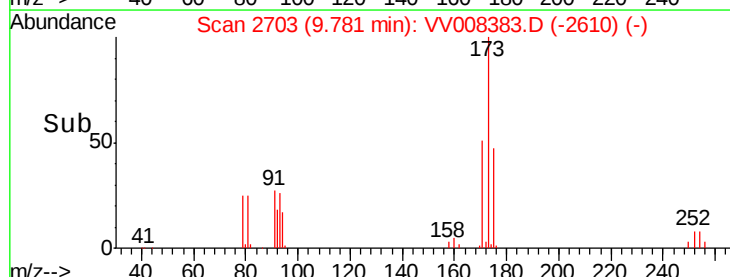
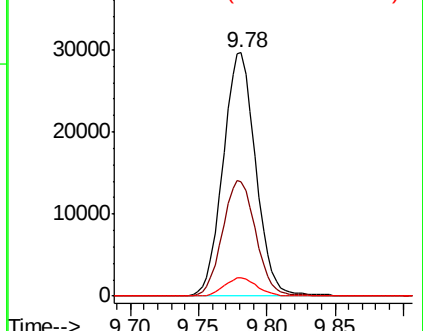
254 7.4 5.9 8.9

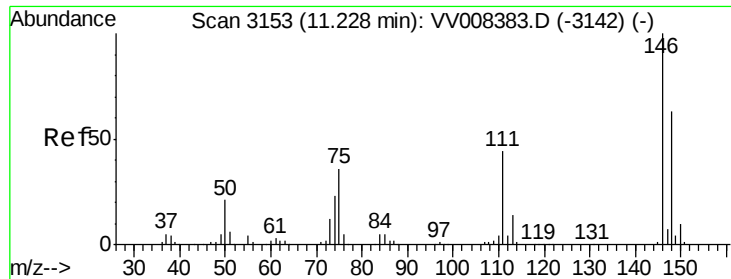


Abundance Ion 173.00 (172.70 to 173.70): VV008383.D (-2691) (-)

Ion 175.00 (174.70 to 175.70): VV008383.D (-2691) (-)

Ion 254.00 (253.70 to 254.70): VV008383.D (-2691) (-)





#62

1,3-Dichlorobenzene

Concen: 47.257 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD05053

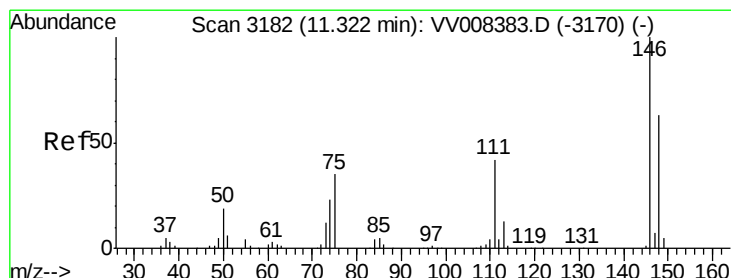
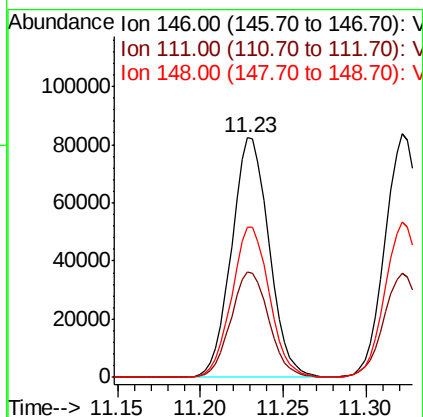
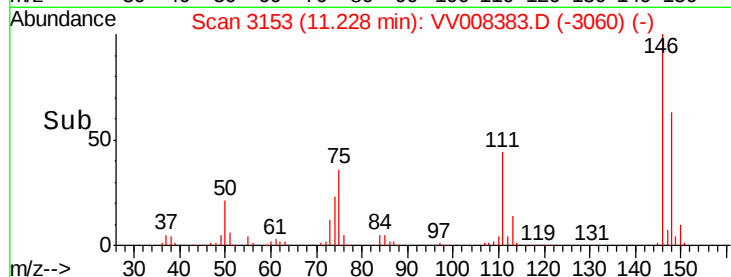
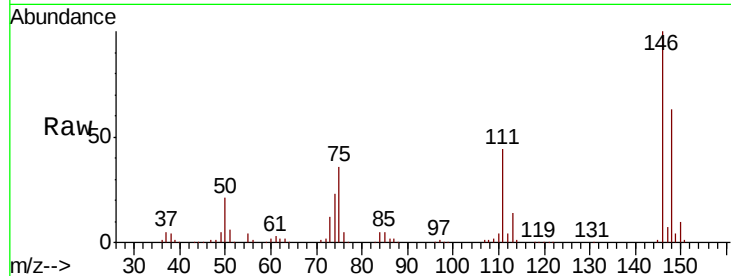
Tgt Ion:146 Resp: 129463

Ion Ratio Lower Upper

146 100

111 44.1 30.9 57.3

148 63.0 44.1 81.9



#63

1,4-Dichlorobenzene

Concen: 47.123 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

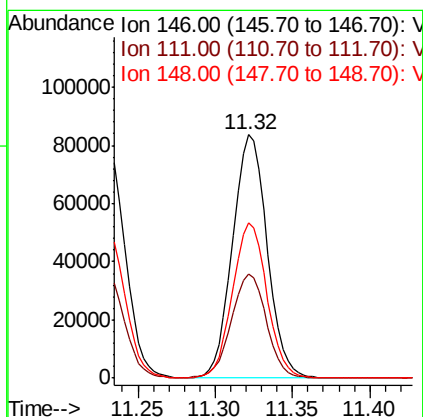
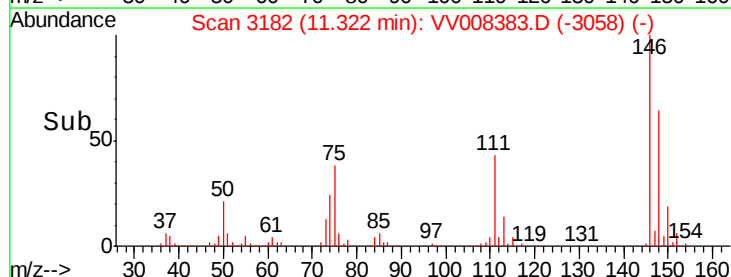
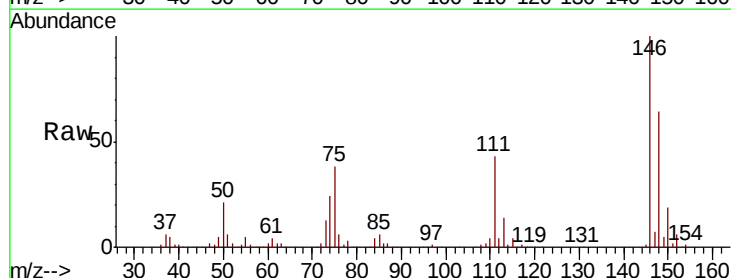
Tgt Ion:146 Resp: 129967

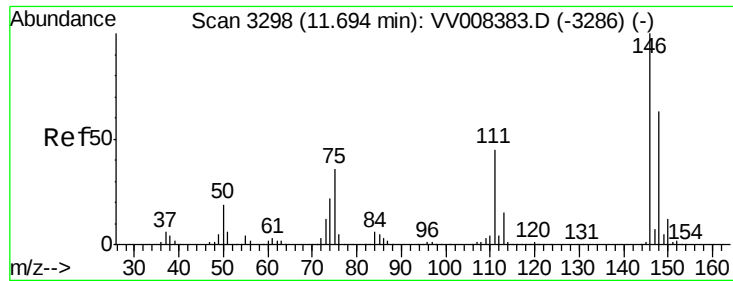
Ion Ratio Lower Upper

146 100

111 42.6 29.8 55.4

148 63.5 44.4 82.5

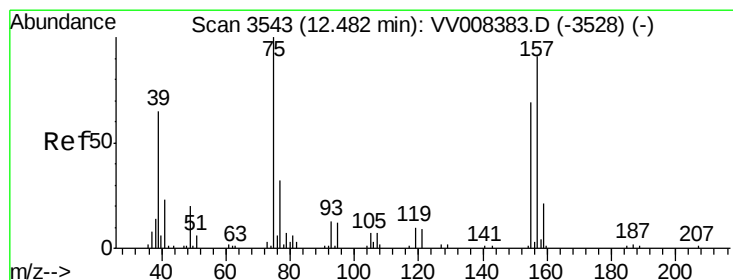
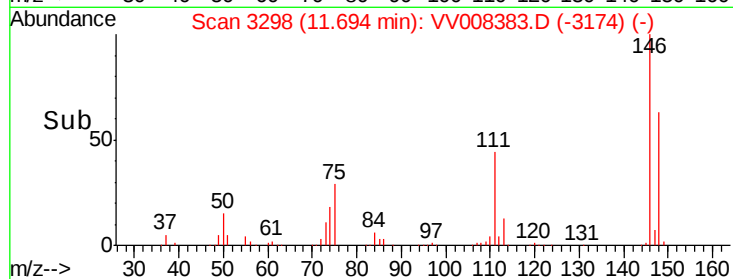
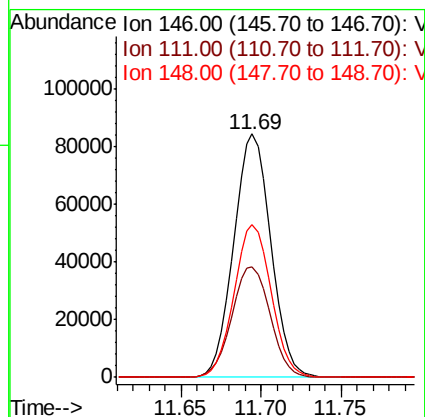
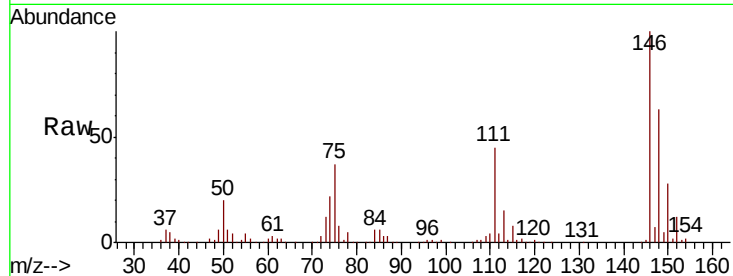




#65
 1,2-Dichlorobenzene
 Concen: 47.623 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV008383.D
 Acq: 23 Oct 2018 18:47

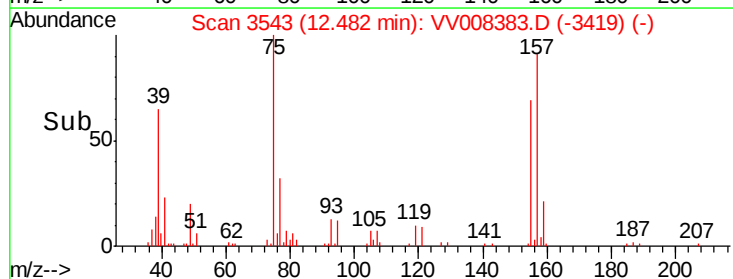
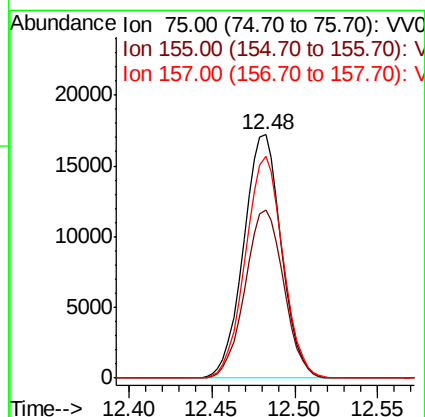
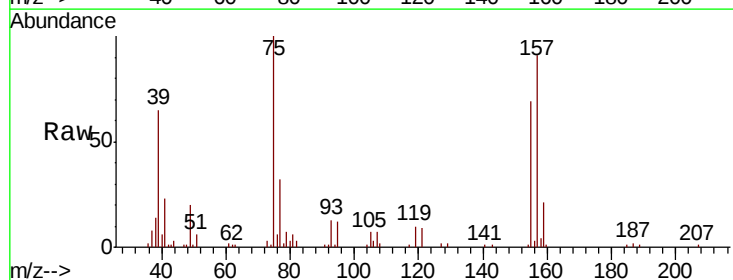
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05053

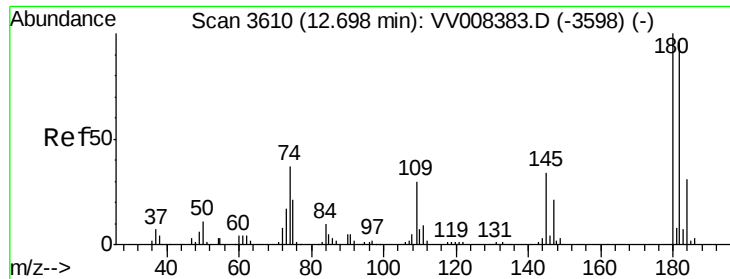
Tgt Ion: 146 Resp: 132978
 Ion Ratio Lower Upper
 146 100
 111 45.2 36.2 54.2
 148 62.9 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.133 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV008383.D
 Acq: 23 Oct 2018 18:47

Tgt Ion: 75 Resp: 27224
 Ion Ratio Lower Upper
 75 100
 155 69.2 55.4 83.0
 157 91.0 72.8 109.2

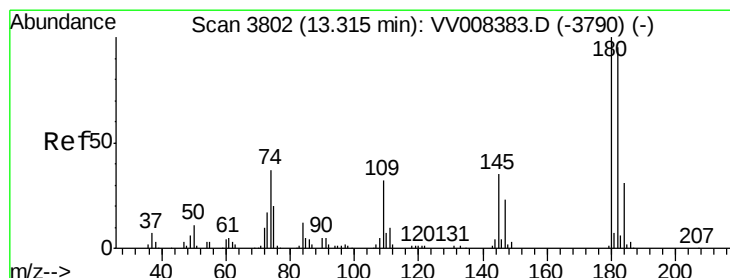
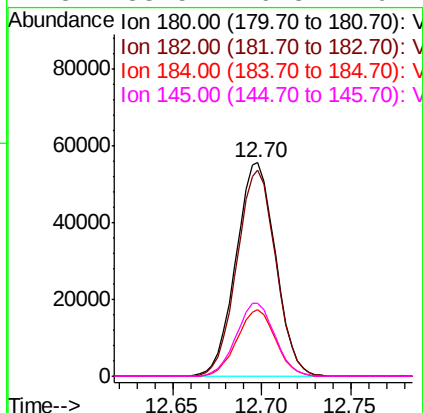
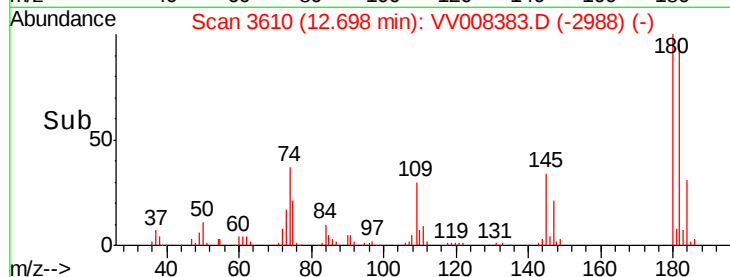
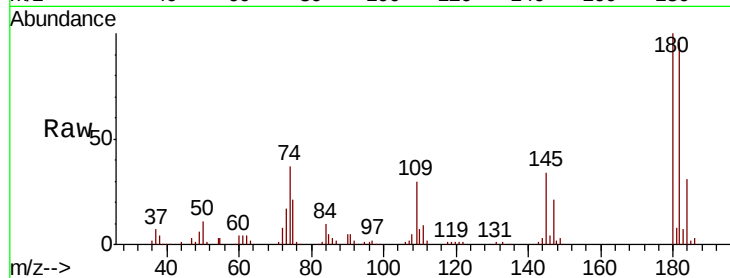




#67
 1,3,5-Trichlorobenzene
 Concen: 48.595 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008383.D
 Acq: 23 Oct 2018 18:47

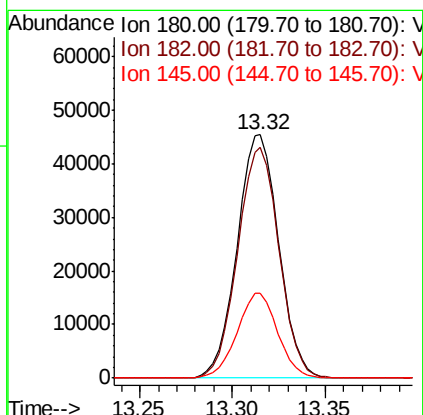
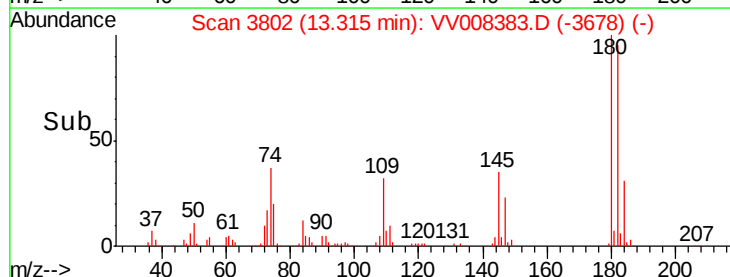
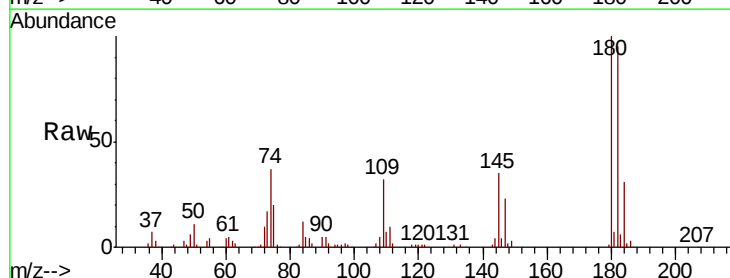
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05053

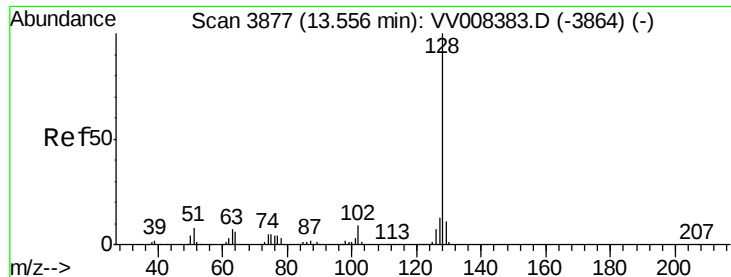
Tgt Ion:180 Resp: 85878
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.9 113.9
 184 30.1 24.1 36.1
 145 33.5 26.8 40.2



#68
 1,2,4-trichlorobenzene
 Concen: 49.467 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008383.D
 Acq: 23 Oct 2018 18:47

Tgt Ion:180 Resp: 70752
 Ion Ratio Lower Upper
 180 100
 182 94.3 75.4 113.2
 145 33.8 27.0 40.6





#69

Naphthalene

Concen: 44.746 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD05053

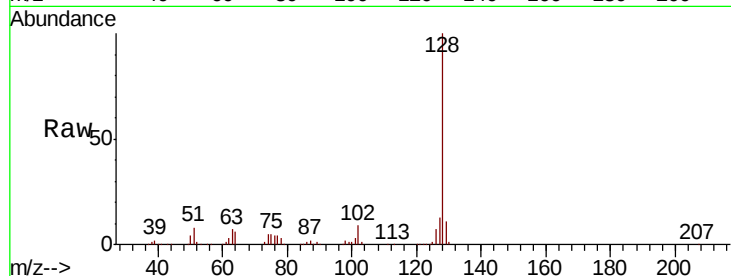
Tgt Ion:128 Resp: 225703

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 11.1 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

150000

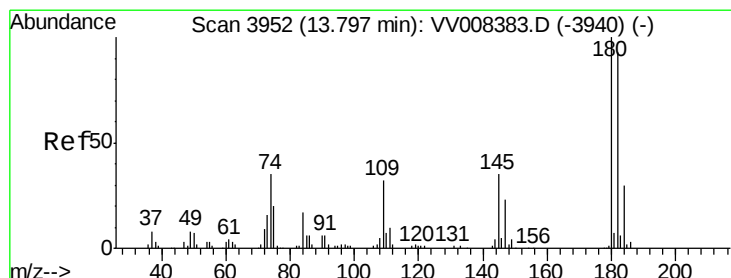
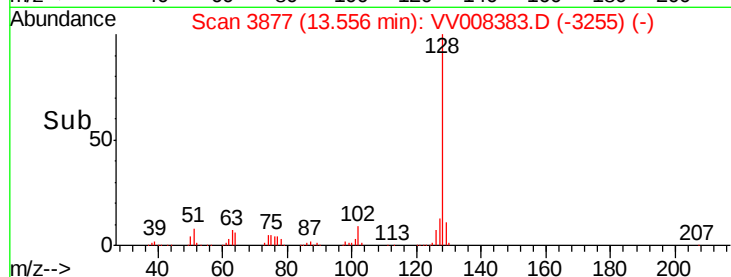
13.56

100000

50000

0

Time-->



#70

1,2,3-Trichlorobenzene

Concen: 48.179 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008383.D

Acq: 23 Oct 2018 18:47

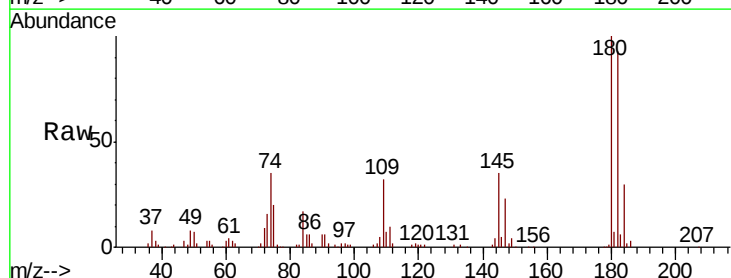
Tgt Ion:180 Resp: 70352

Ion Ratio Lower Upper

180 100

182 94.6 75.7 113.5

145 35.8 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

60000

13.80

50000

40000

30000

20000

10000

0

Time-->

