

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102318\
 Data File : VV008385.D
 Acq On : 23 Oct 2018 19:34
 Operator : SY/MD
 Sample : VSTD20055
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20055

Quant Time: Oct 24 02:28:56 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	180858	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	169755	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	86725	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	192783	190.42	ug/L	0.00
7) Chloroethane-d5	1.56	69	134931	215.88	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	353339	186.92	ug/L	0.00
21) 2-Butanone-d5	3.93	46	431201	408.59	ug/L	0.00
24) Chloroform-d	4.41	84	482764	200.30	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	322076	199.83	ug/L	0.00
32) Benzene-d6	5.10	84	922096	188.55	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	317042	189.73	ug/L	0.00
41) Toluene-d8	7.36	98	845102	190.60	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	165081	201.63	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	348737	473.44	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	457158	237.87	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	325085	182.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	254066	191.356	ug/L 100
3) Chloromethane	1.25	50	262391	198.381	ug/L 99
5) Vinyl chloride	1.33	62	253421	192.371	ug/L 97
6) Bromomethane	1.51	94	69622	186.177	ug/L 98
8) Chloroethane	1.58	64	135084	203.780	ug/L 96
9) Trichlorofluoromethane	1.76	101	325036	190.609	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	170081	187.770	ug/L 98
12) 1,1-Dichloroethene	2.14	96	159807	188.292	ug/L 97
13) Acetone	2.19	43	288849	380.274	ug/L 98
14) Carbon disulfide	2.32	76	729312	242.756	ug/L 100
15) Methyl Acetate	2.46	43	323114	240.312	ug/L 100
16) Methylene chloride	2.54	84	266765	249.857	ug/L 99
17) trans-1,2-Dichloroethene	2.79	96	242525	245.416	ug/L 99
18) Methyl tert-butyl Ether	2.81	73	866376	243.896	ug/L 100
19) 1,1-Dichloroethane	3.23	63	500035	192.906	ug/L 98
20) cis-1,2-Dichloroethene	3.97	96	283976	191.241	ug/L 96
22) 2-Butanone	4.02	43	470834	358.548	ug/L 99
23) Bromochloromethane	4.30	128	130674	193.139	ug/L 98
25) Chloroform	4.43	83	492030	192.810	ug/L 100
27) 1,2-Dichloroethane	5.18	62	406219	191.209	ug/L 100
29) Cyclohexane	4.73	56	475570	182.267	ug/L 99
30) 1,1,1-Trichloroethane	4.67	97	429809	186.676	ug/L 99
31) Carbon tetrachloride	4.88	117	369746	191.138	ug/L 100
33) Benzene	5.15	78	1061066	182.077	ug/L 100
34) Trichloroethene	5.96	95	276165	164.245	ug/L 98
35) Methylcyclohexane	6.18	83	472848	185.225	ug/L 100
37) 1,2-Dichloropropane	6.23	63	296704	186.152	ug/L 100
38) Bromodichloromethane	6.56	83	386092	191.228	ug/L 99
39) cis-1,3-Dichloropropene	7.07	75	484822	193.295	ug/L 98
40) 4-Methyl-2-pentanone	7.28	43	886046	379.219	ug/L 100

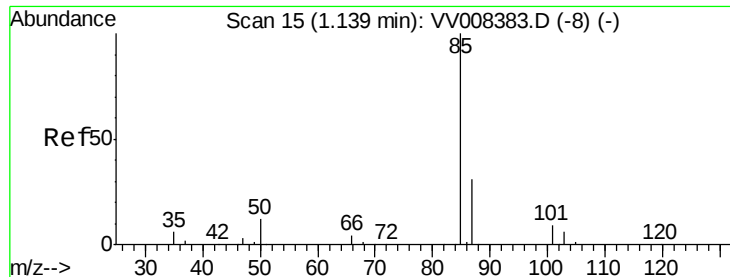
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102318\
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 Quant Title : VOC Analysis
 QLast Update : Wed Oct 24 02:24:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	1107797	183.905	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	456894	196.841	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	261035	187.446	ug/L	99
46) Tetrachloroethene	8.02	164	185130	189.797	ug/L	98
48) 2-Hexanone	8.19	43	719606	386.546	ug/L	98
49) Dibromochloromethane	8.30	129	297351	202.435	ug/L	99
50) 1,2-Dibromoethane	8.40	107	277946	188.500	ug/L	99
51) Chlorobenzene	8.93	112	698160	188.468	ug/L	100
52) Ethylbenzene	9.06	91	1274044	191.522	ug/L	100
53) m,p-Xylene	9.19	106	472123	196.314	ug/L	97
54) o-xylene	9.59	106	456289	192.563	ug/L	100
55) Styrene	9.61	104	810572	203.804	ug/L	100
56) Isopropylbenzene	9.98	105	1235555	195.738	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	474901	237.119	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	382479	198.733	ug/L	99
61) Bromoform	9.78	173	214605	198.355	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	553154	184.271	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	555125	183.692	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	547551	178.961	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	116142	199.083	ug/L	99
67) 1,3,5-Trichlorobenzene	12.70	180	380517	196.507	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	334376	213.357	ug/L	99
69) Naphthalene	13.56	128	1092060	197.585	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	326225	203.889	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 191.356 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

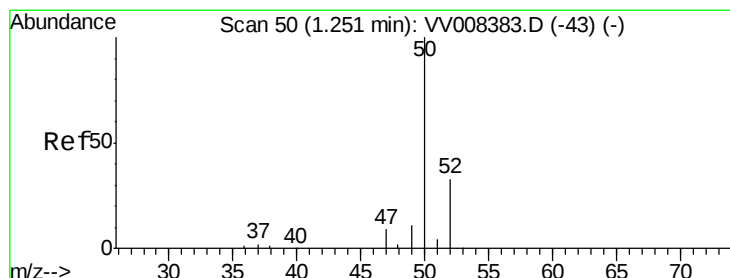
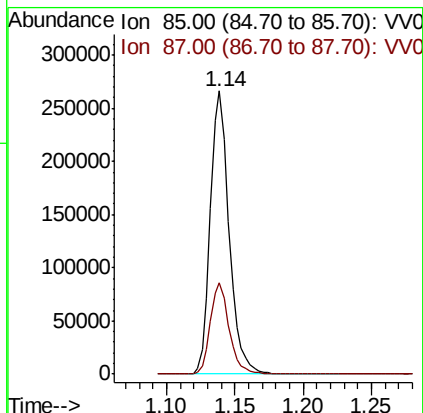
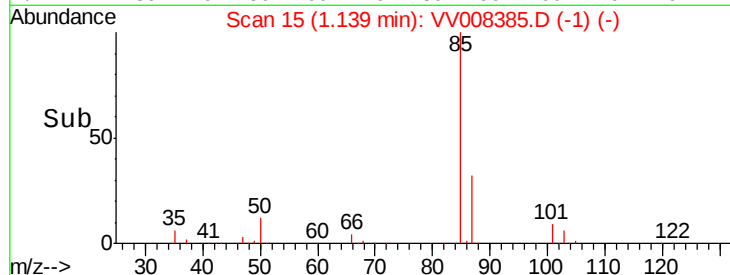
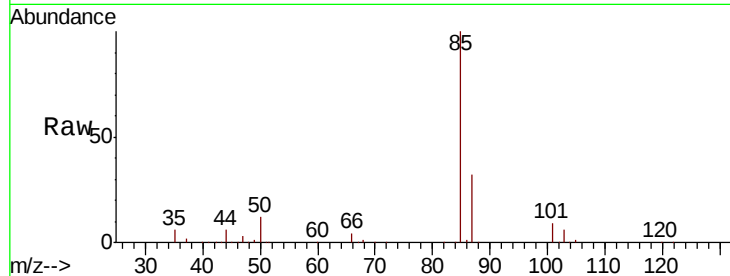
Instrument :
MSVOA_V
ClientSampleId :
VSTD20055

Tgt Ion: 85 Resp: 254066

Ion Ratio Lower Upper

85 100

87 32.0 25.4 38.2



#3

Chloromethane

Concen: 198.381 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV008385.D

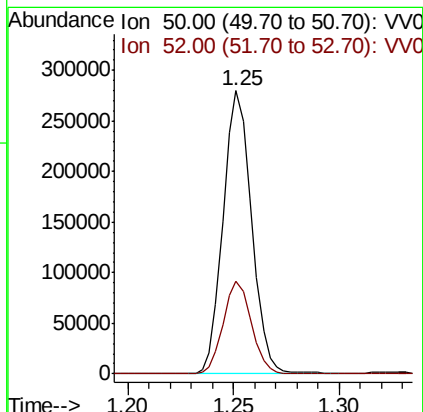
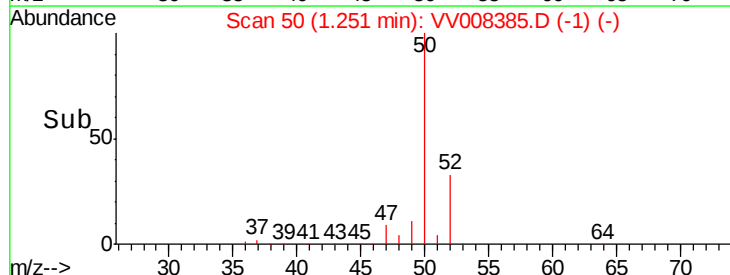
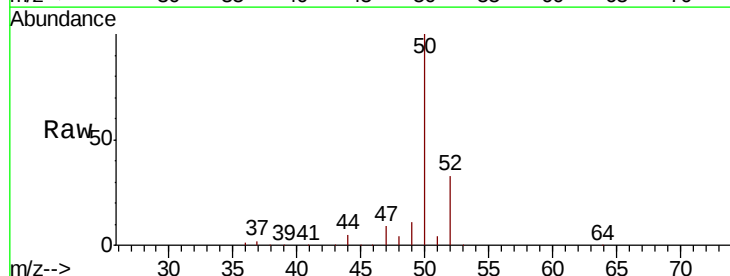
Acq: 23 Oct 2018 19:34

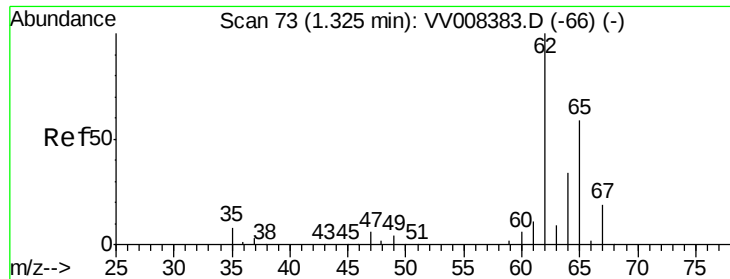
Tgt Ion: 50 Resp: 262391

Ion Ratio Lower Upper

50 100

52 32.7 23.1 42.9





#5

Vinyl chloride

Concen: 192.371 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

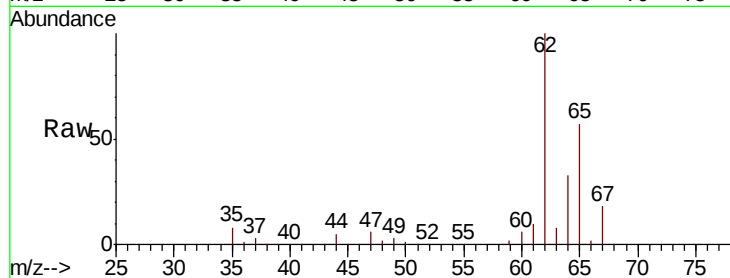
VSTD20055

Tgt Ion: 62 Resp: 253421

Ion Ratio Lower Upper

62 100

64 33.1 24.4 45.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

300000

250000

200000

150000

100000

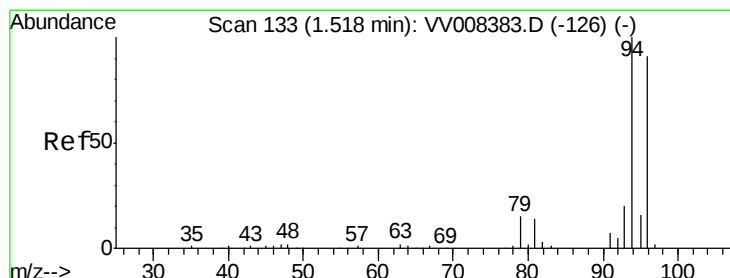
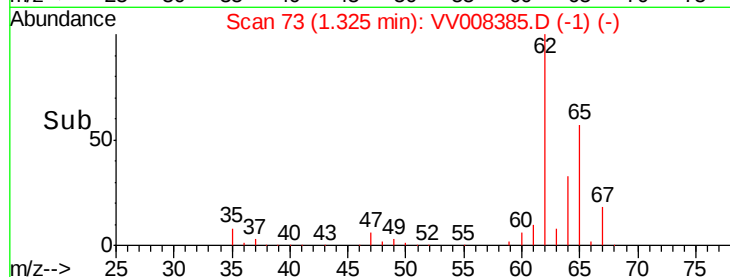
50000

0

1.33

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 186.177 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.00 min

Lab File: VV008385.D

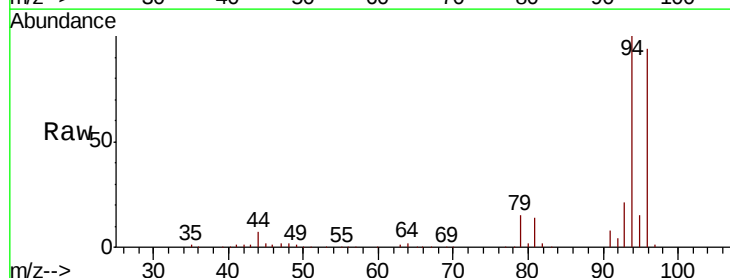
Acq: 23 Oct 2018 19:34

Tgt Ion: 94 Resp: 69622

Ion Ratio Lower Upper

94 100

96 93.6 63.8 118.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

80000

60000

40000

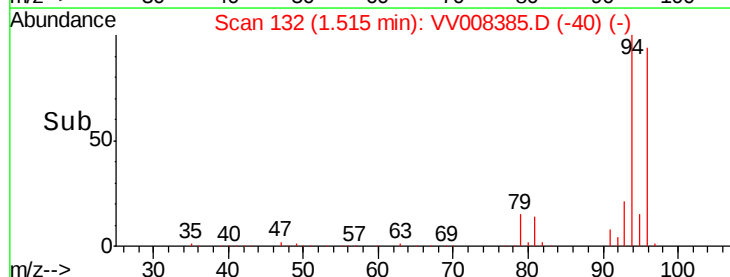
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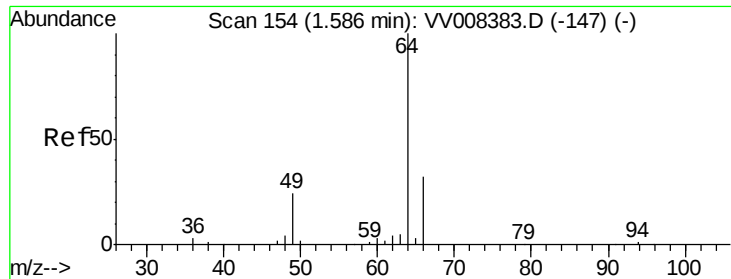
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1.51

1.50 1.55

Time-->

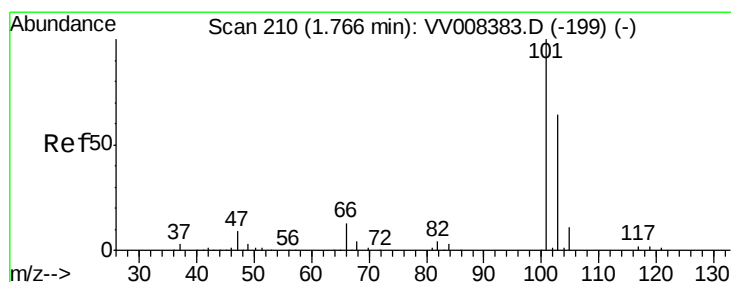
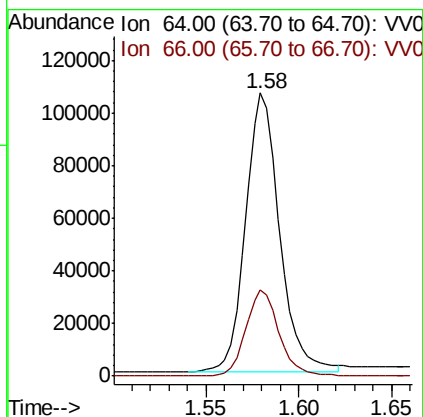
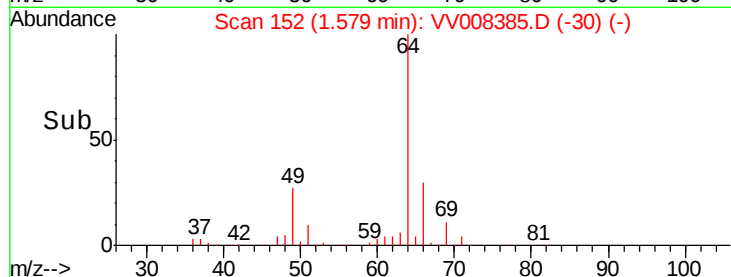
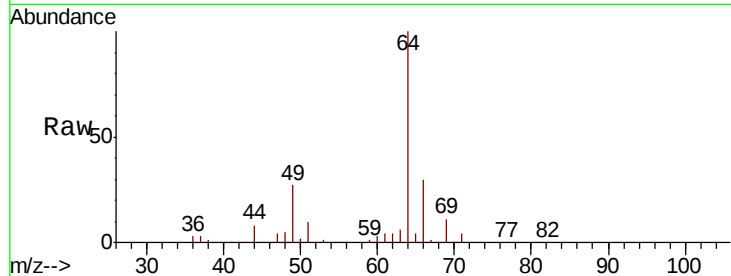




#8
Chloroethane
Concen: 203.780 ug/L
RT: 1.58 min Scan# 152
Delta R.T. -0.01 min
Lab File: VV008385.D
Acq: 23 Oct 2018 19:34

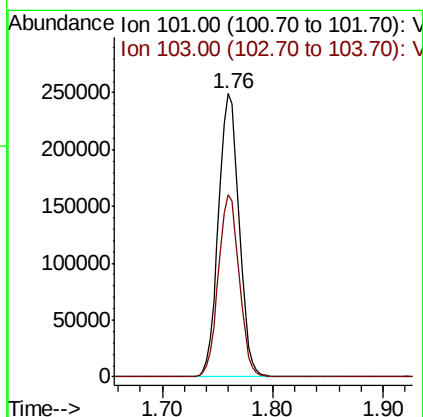
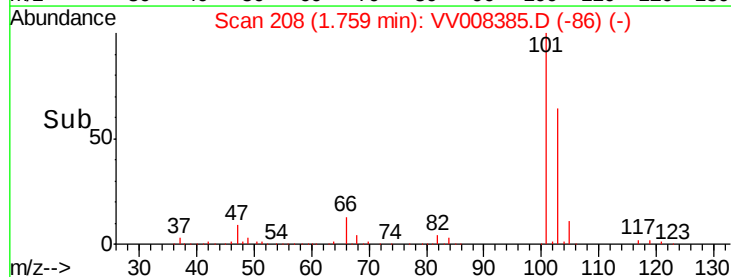
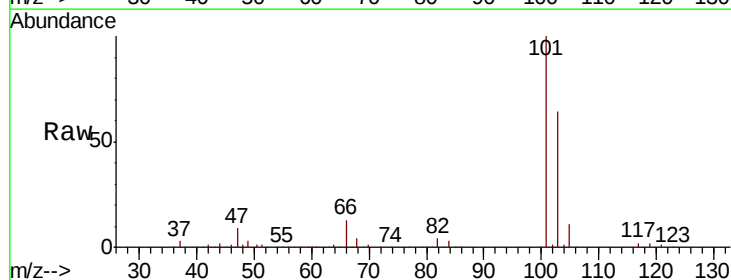
Instrument :
MSVOA_V
ClientSampleId :
VSTD20055

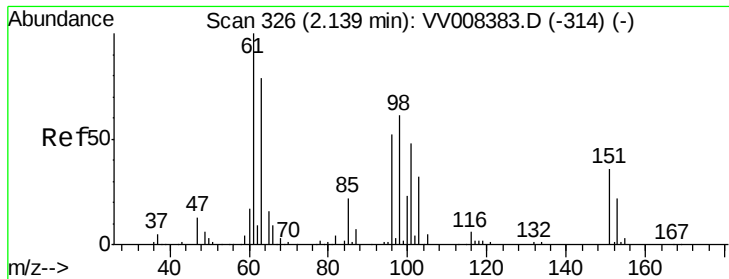
Tgt Ion: 64 Resp: 135084
Ion Ratio Lower Upper
64 100
66 30.5 19.9 36.9



#9
Trichlorofluoromethane
Concen: 190.609 ug/L
RT: 1.76 min Scan# 208
Delta R.T. -0.01 min
Lab File: VV008385.D
Acq: 23 Oct 2018 19:34

Tgt Ion: 101 Resp: 325036
Ion Ratio Lower Upper
101 100
103 64.4 51.0 76.6





#10

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

Concen: 187.770 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD20055

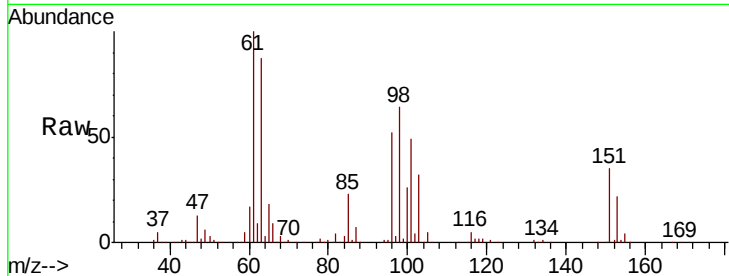
Tgt Ion: 101 Resp: 170081

Ion Ratio Lower Upper

101 100

85 45.8 35.6 53.4

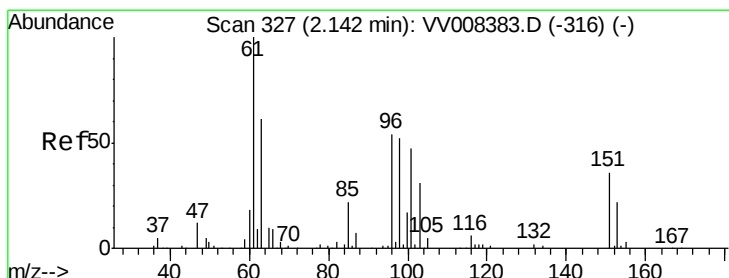
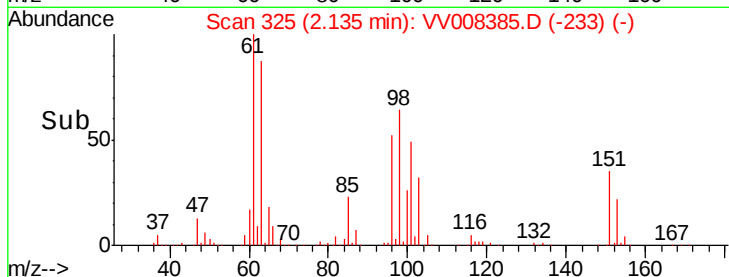
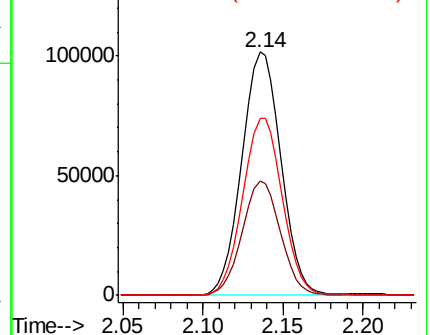
151 73.8 58.1 87.1



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: 188.292 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

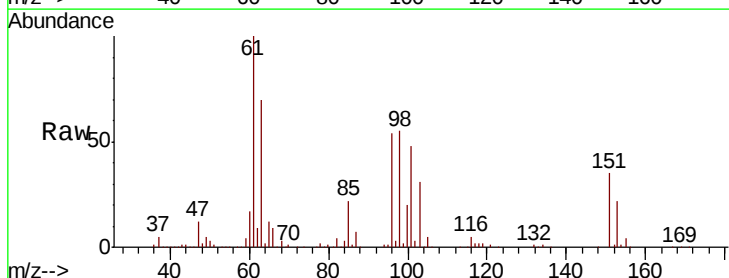
Tgt Ion: 96 Resp: 159807

Ion Ratio Lower Upper

96 100

61 185.2 130.3 242.1

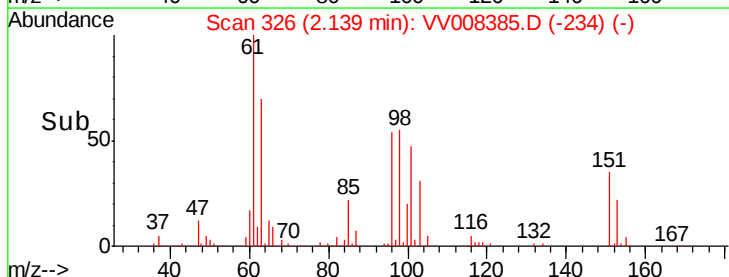
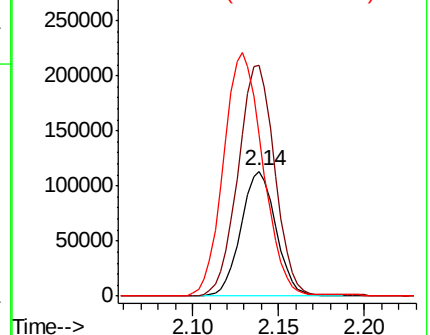
63 129.0 84.4 156.8

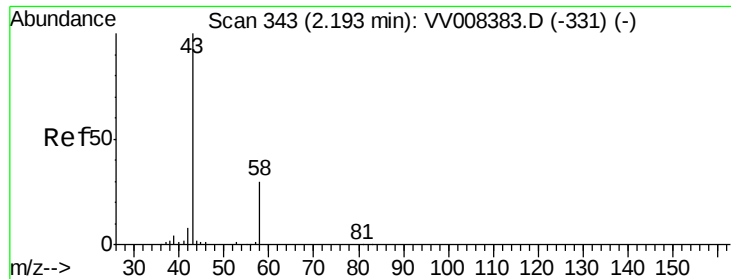


Abundance Ion 96.00 (95.70 to 96.70): VV008383.D (-316) (-)

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: 380.274 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

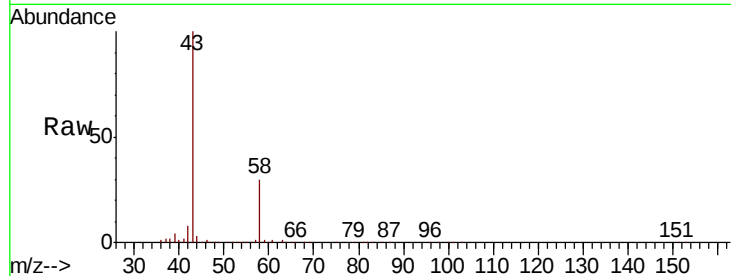
VSTD20055

Tgt Ion: 43 Resp: 288849

Ion Ratio Lower Upper

43 100

58 29.9 0.0 61.4



Abundance Ion 43.00 (42.70 to 43.70): VV008383.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV008383.D (-331) (-)

200000

150000

100000

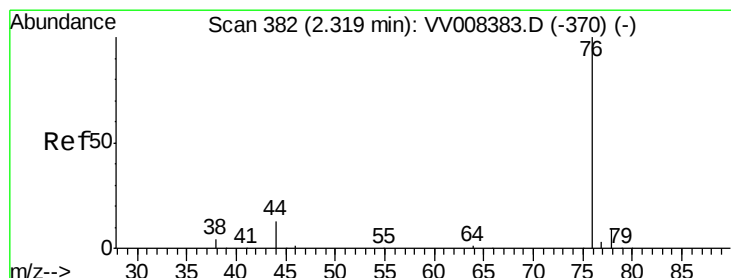
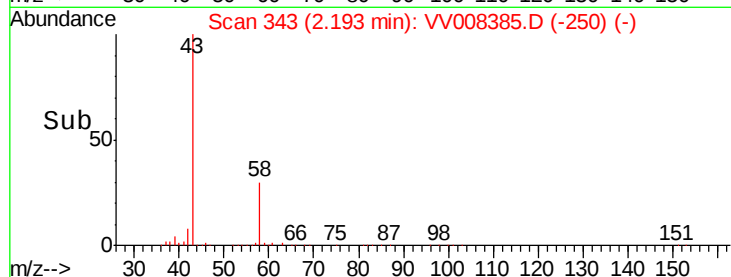
50000

0

2.19

2.15 2.20 2.25 2.30

Time-->



#14

Carbon disulfide

Concen: 242.756 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV008385.D

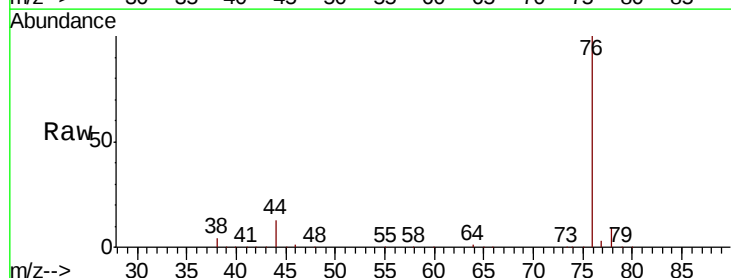
Acq: 23 Oct 2018 19:34

Tgt Ion: 76 Resp: 729312

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV008383.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV008383.D (-370) (-)

500000

400000

300000

200000

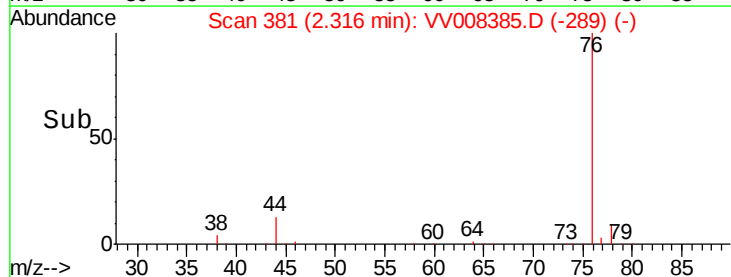
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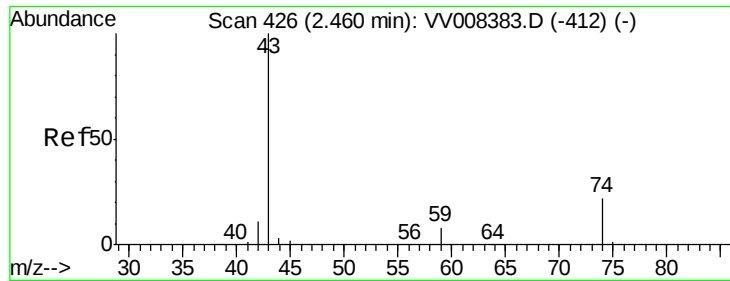
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2.32

2.30 2.40

Time-->

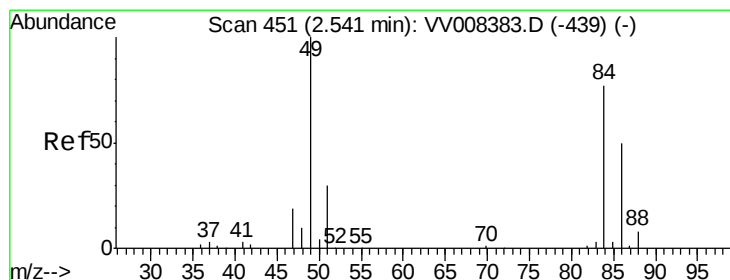
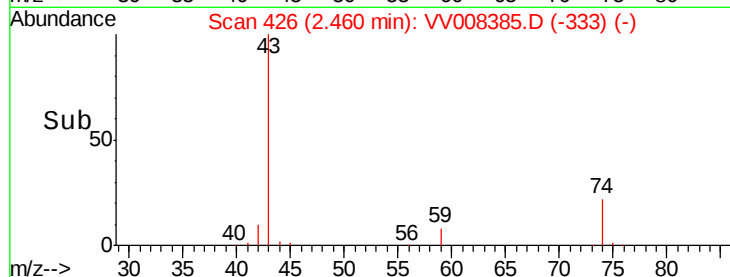
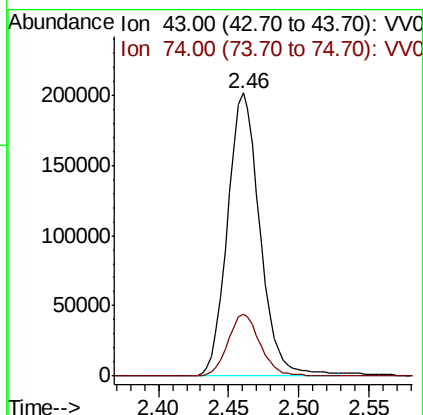
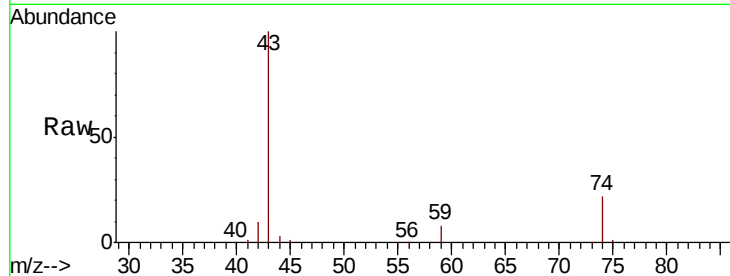




#15
Methyl Acetate
Concen: 240.312 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV008385.D
Acq: 23 Oct 2018 19:34

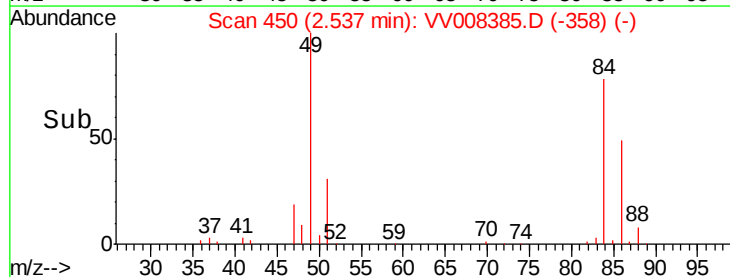
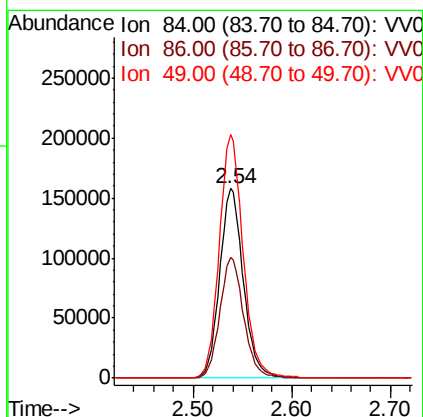
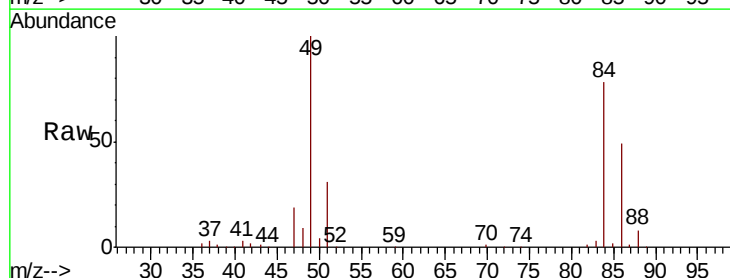
Instrument :
MSVOA_V
ClientSampleId :
VSTD20055

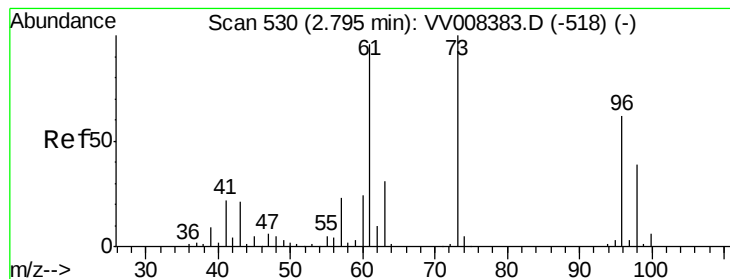
Tgt Ion: 43 Resp: 323114
Ion Ratio Lower Upper
43 100
74 22.1 17.8 26.6



#16
Methylene chloride
Concen: 249.857 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV008385.D
Acq: 23 Oct 2018 19:34

Tgt Ion: 84 Resp: 266765
Ion Ratio Lower Upper
84 100
86 63.6 45.6 84.6
49 128.7 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 245.416 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD20055

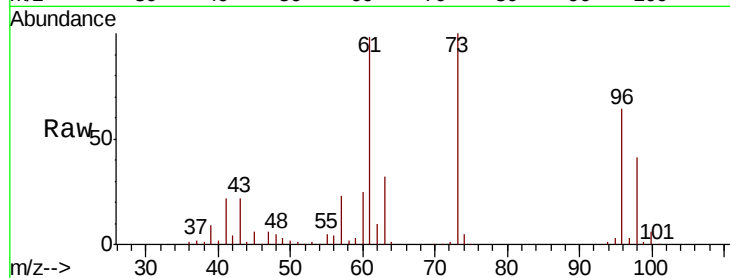
Tgt Ion: 96 Resp: 242525

Ion Ratio Lower Upper

96 100

61 152.9 108.6 201.6

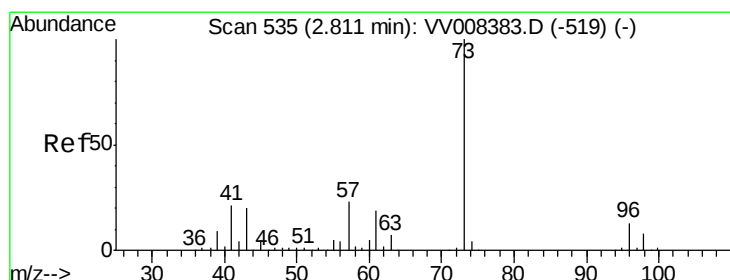
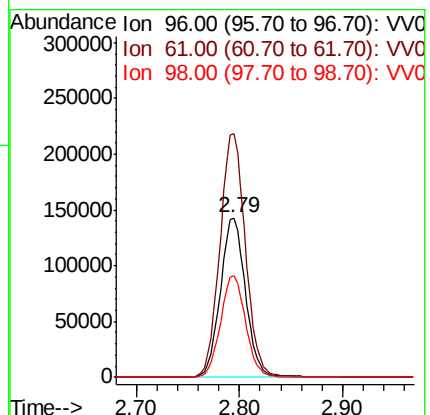
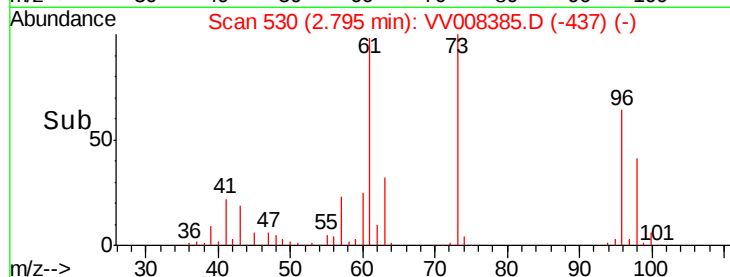
98 63.6 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VV008385.D (-437) (-)

Ion 61.00 (60.70 to 61.70): VV008385.D (-437) (-)

Ion 98.00 (97.70 to 98.70): VV008385.D (-437) (-)



#18

Methyl tert-butyl Ether

Concen: 243.896 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

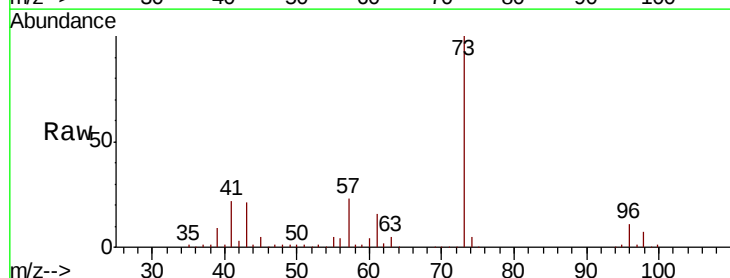
Tgt Ion: 73 Resp: 866376

Ion Ratio Lower Upper

73 100

43 20.7 16.2 24.4

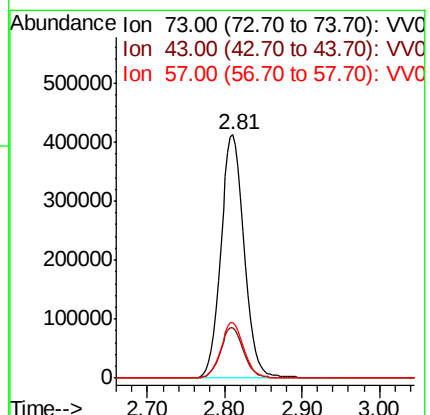
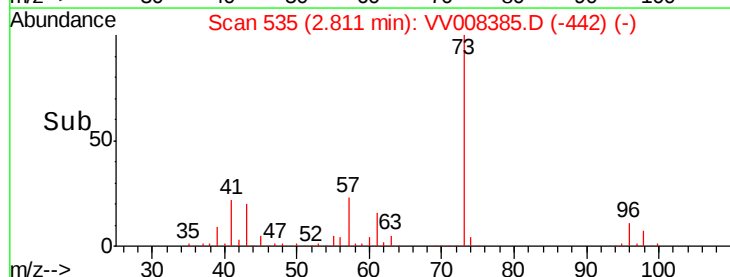
57 22.7 18.2 27.2

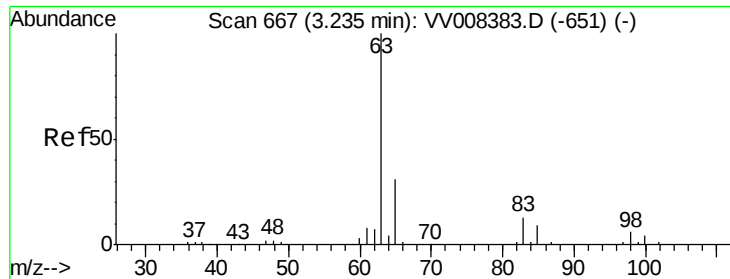


Abundance Ion 73.00 (72.70 to 73.70): VV008385.D (-442) (-)

Ion 43.00 (42.70 to 43.70): VV008385.D (-442) (-)

Ion 57.00 (56.70 to 57.70): VV008385.D (-442) (-)

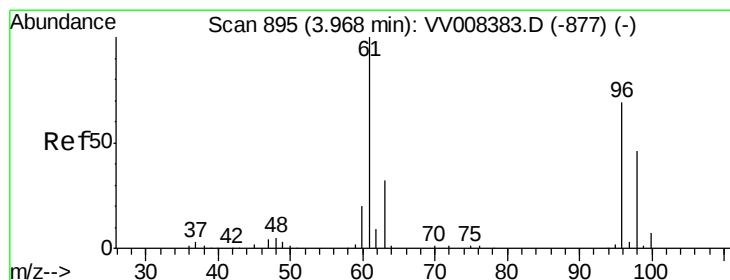
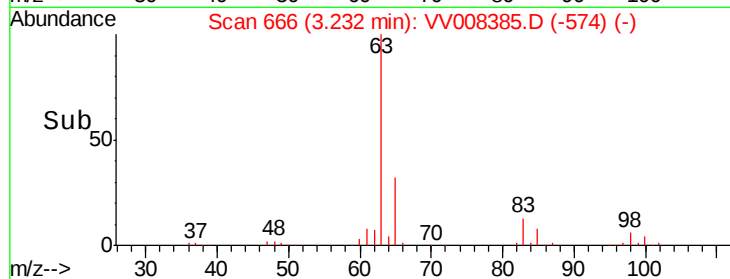
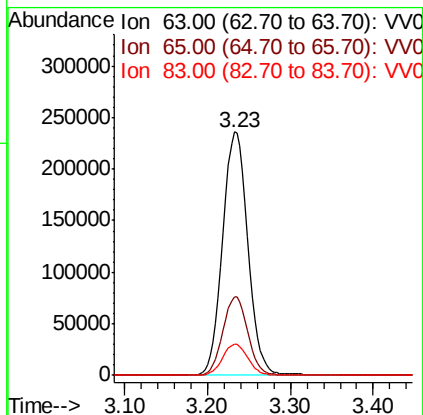
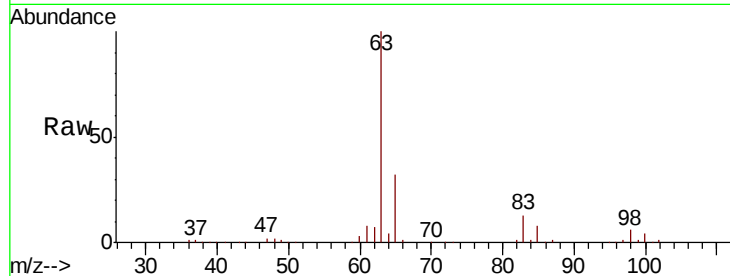




#19
 1,1-Dichloroethane
 Concen: 192.906 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV008385.D
 Acq: 23 Oct 2018 19:34

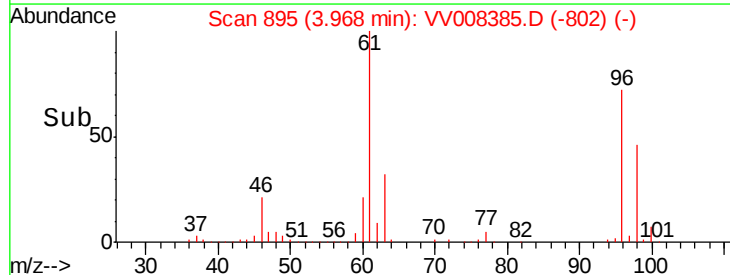
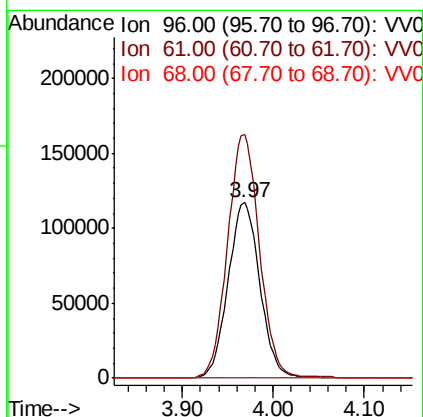
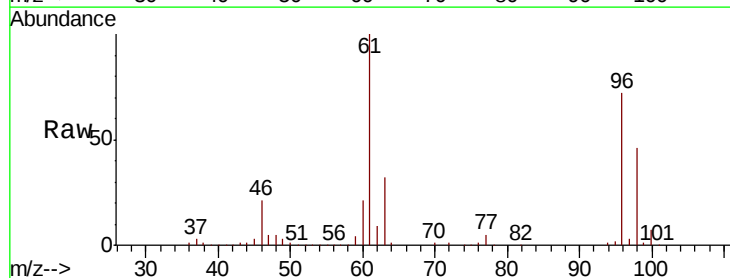
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20055

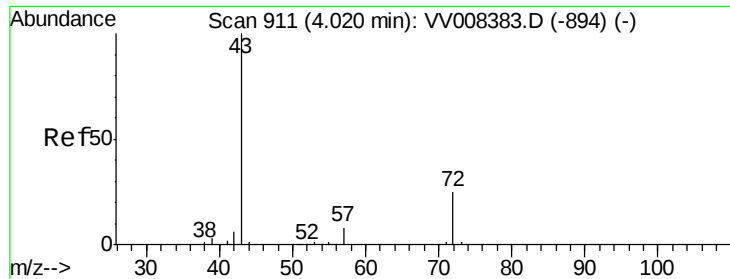
Tgt Ion: 63 Resp: 500035
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.0 40.8
 83 12.9 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 191.241 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV008385.D
 Acq: 23 Oct 2018 19:34

Tgt Ion: 96 Resp: 283976
 Ion Ratio Lower Upper
 96 100
 61 139.0 100.9 187.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 358.548 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

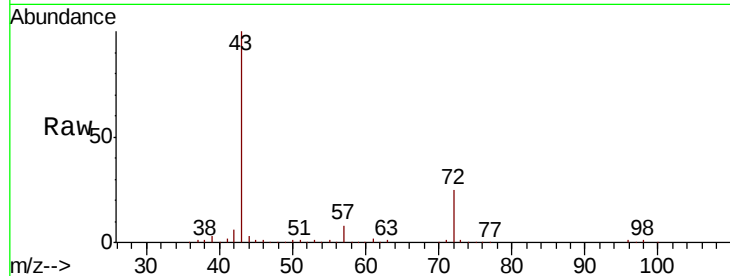
Instrument :
MSVOA_V
ClientSampleId :
VSTD20055

Tgt Ion: 43 Resp: 470834

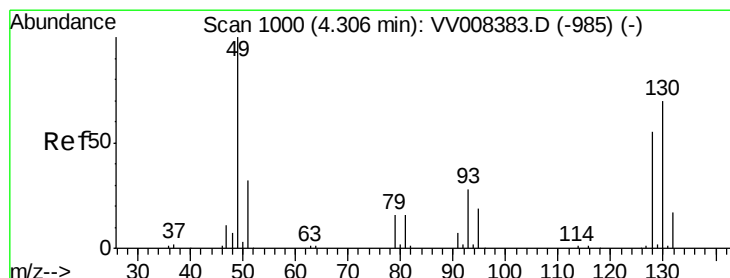
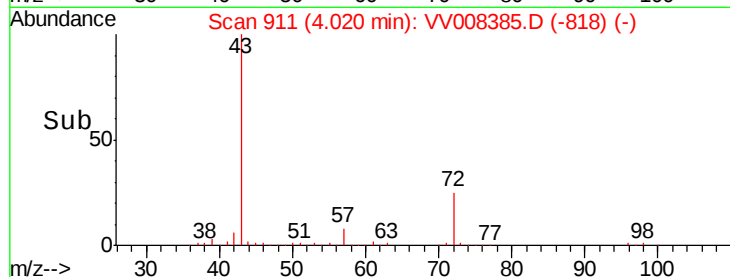
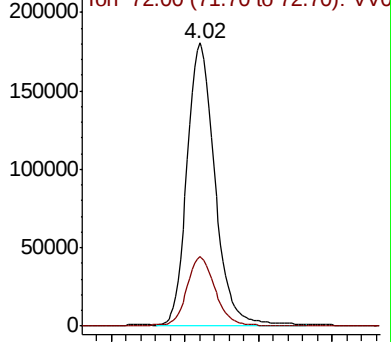
Ion Ratio Lower Upper

43 100

72 25.5 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV008385.D (-894) (-)



#23

Bromochloromethane

Concen: 193.139 ug/L

RT: 4.30 min Scan# 999

Delta R.T. -0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

Tgt Ion: 128 Resp: 130674

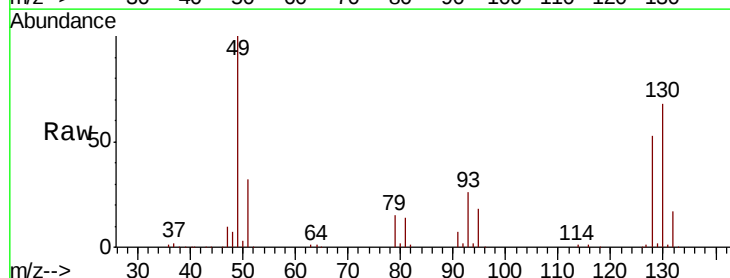
Ion Ratio Lower Upper

128 100

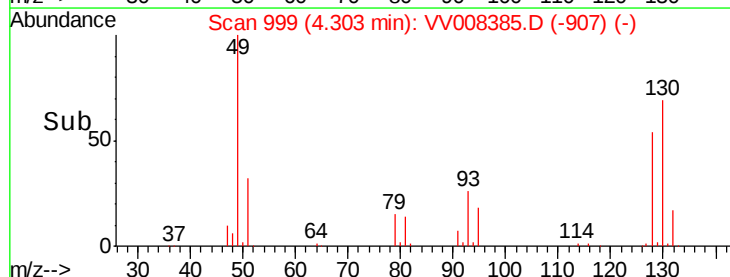
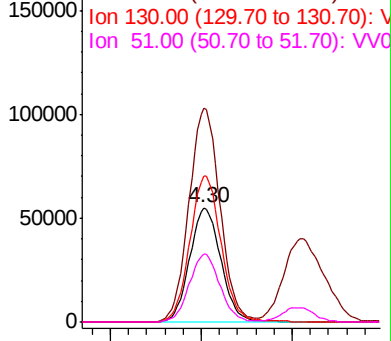
49 187.4 128.0 237.8

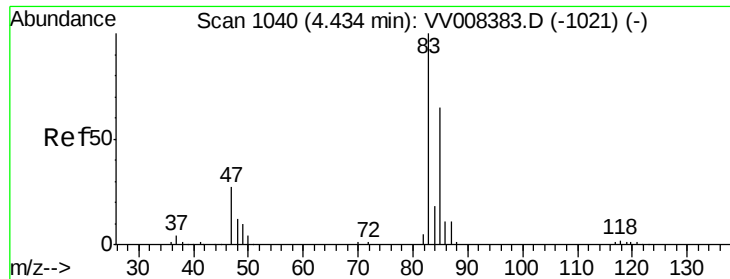
130 128.0 89.2 165.8

51 60.1 46.8 70.2



Abundance Ion 128.00 (127.70 to 128.70): VV008385.D (-985) (-)

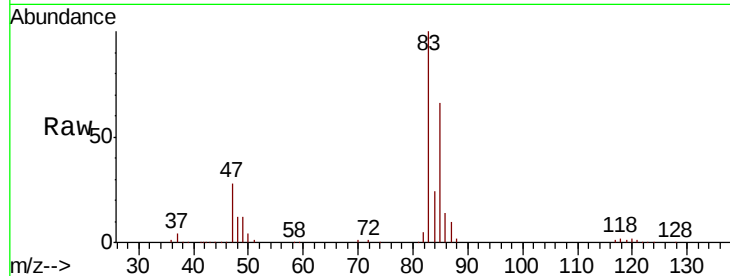




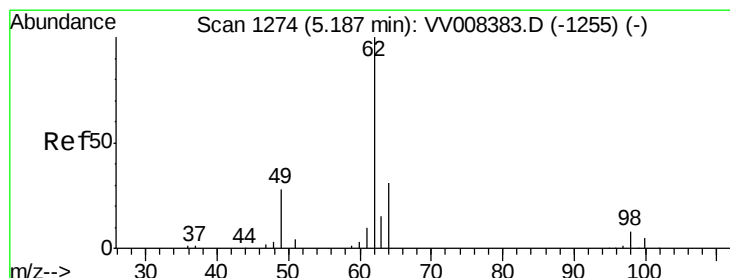
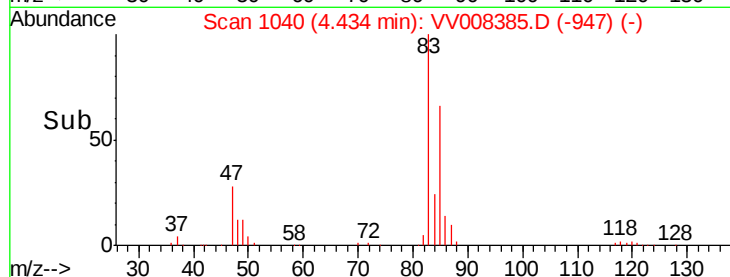
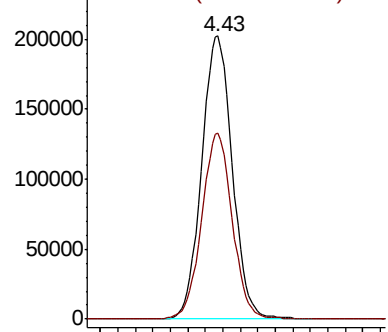
#25
Chloroform
Concen: 192.810 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008385.D
Acq: 23 Oct 2018 19:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD20055

Tgt Ion: 83 Resp: 492030
Ion Ratio Lower Upper
83 100
85 65.7 45.8 85.2

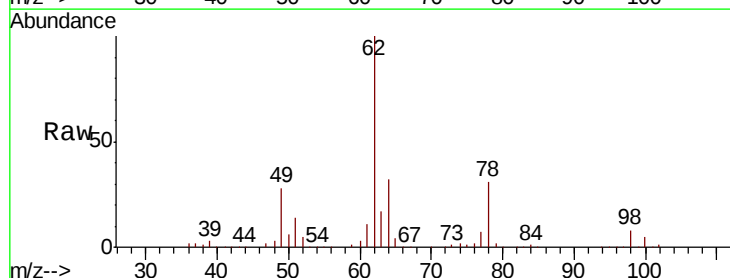


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0

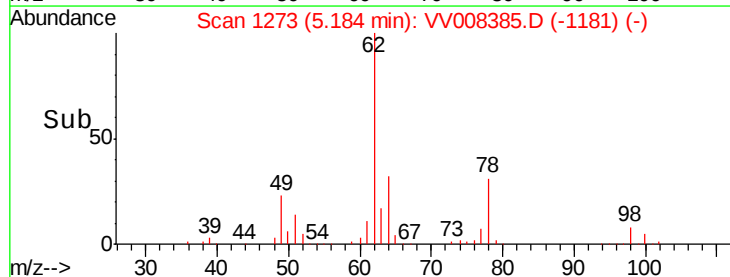
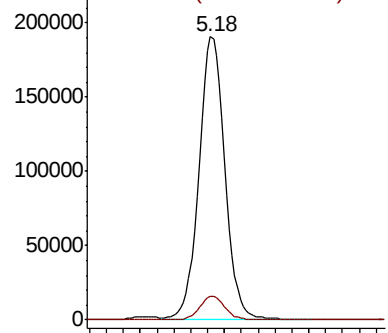


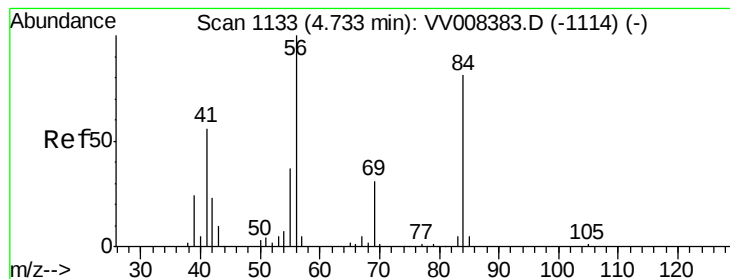
#27
1,2-Dichloroethane
Concen: 191.209 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VV008385.D
Acq: 23 Oct 2018 19:34

Tgt Ion: 62 Resp: 406219
Ion Ratio Lower Upper
62 100
98 8.2 6.6 9.8



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.00 (97.70 to 98.70): VV0





#29

Cyclohexane

Concen: 182.267 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD20055

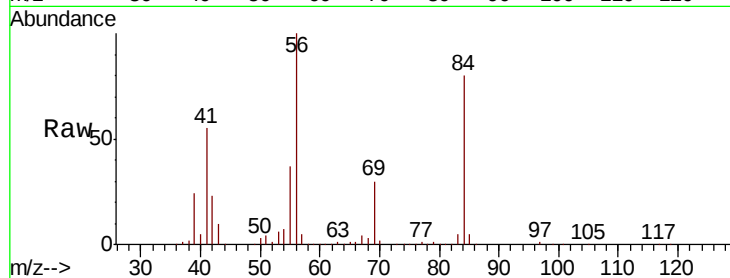
Tgt Ion: 56 Resp: 475570

Ion Ratio Lower Upper

56 100

69 30.3 24.6 37.0

84 80.4 65.0 97.4

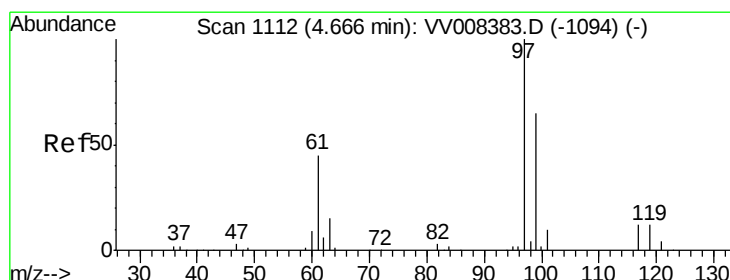
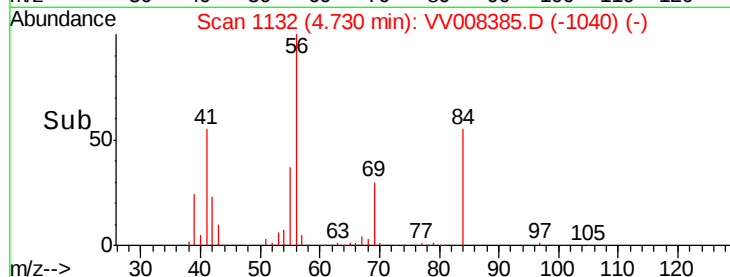
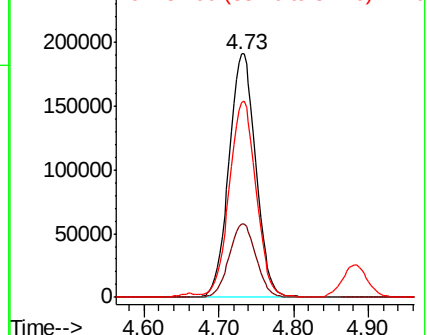


Abundance

Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 186.676 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

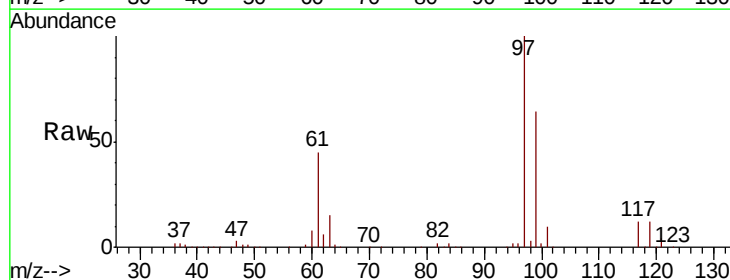
Tgt Ion: 97 Resp: 429809

Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

61 45.2 36.5 54.7

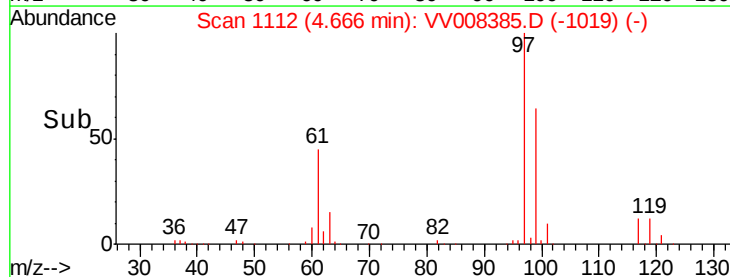
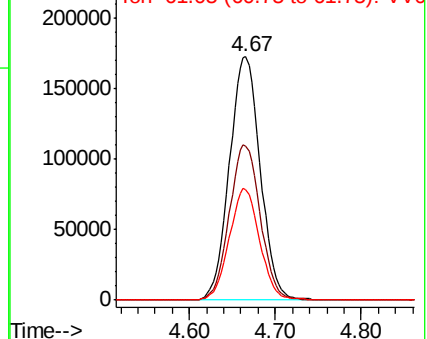


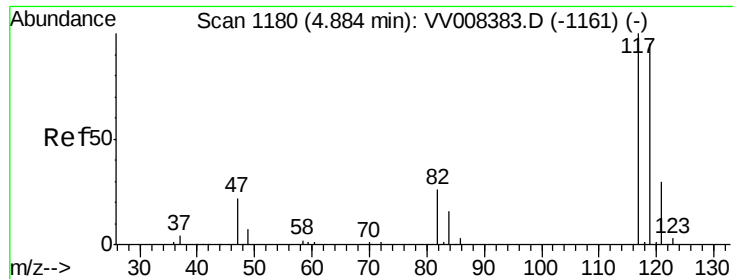
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

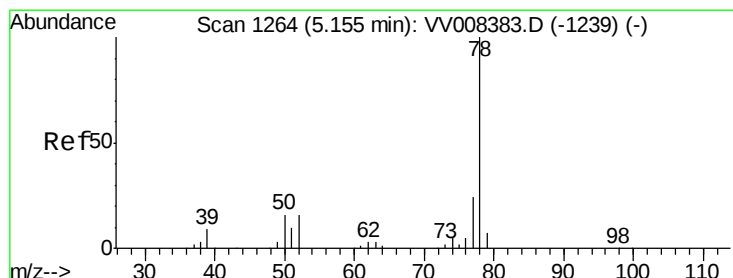
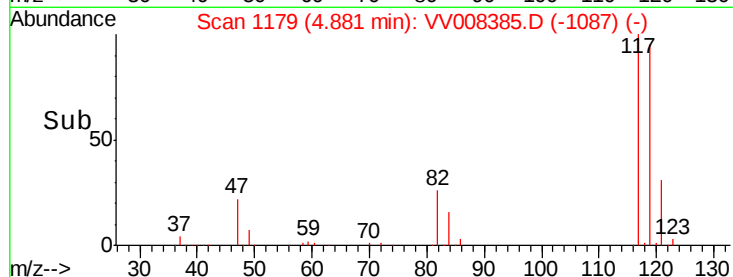
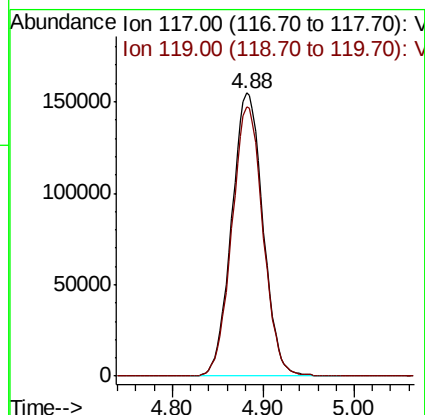
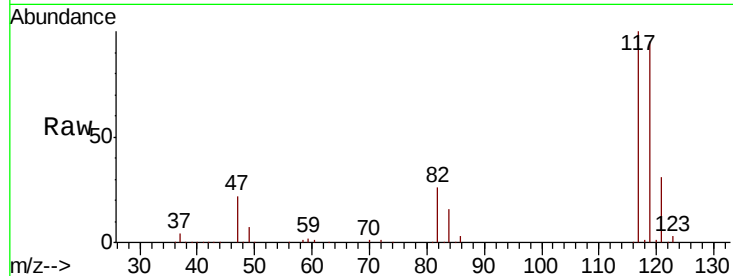




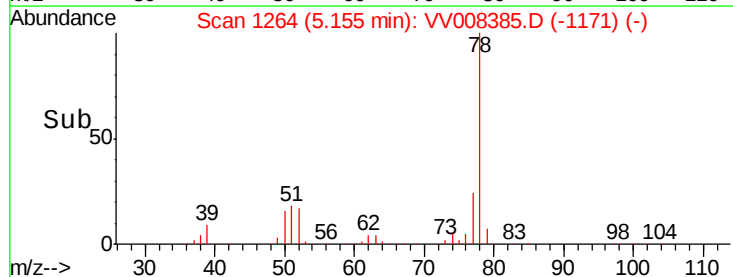
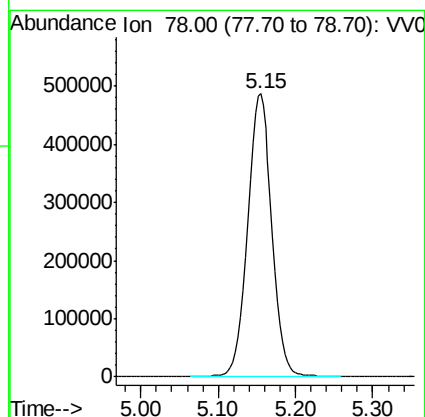
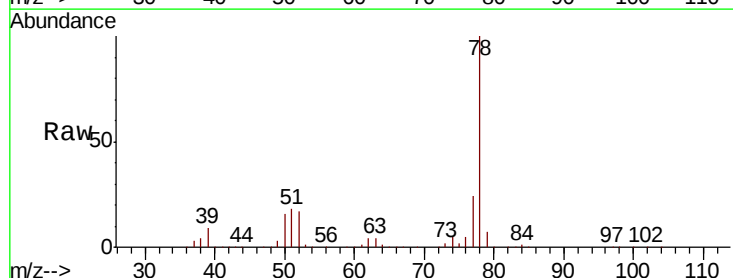
#31
Carbon tetrachloride
Concen: 191.138 ug/L
RT: 4.88 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VV008385.D
Acq: 23 Oct 2018 19:34

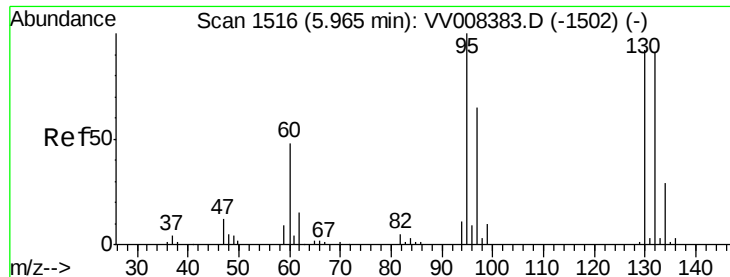
Instrument :
MSVOA_V
ClientSampleId :
VSTD20055

Tgt Ion:117 Resp: 369746
Ion Ratio Lower Upper
117 100
119 94.8 75.8 113.8



#33
Benzene
Concen: 182.077 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV008385.D
Acq: 23 Oct 2018 19:34
Tgt Ion: 78 Resp: 1061066





#34

Trichloroethene

Concen: 164.245 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD20055

Tgt Ion: 95 Resp: 276165

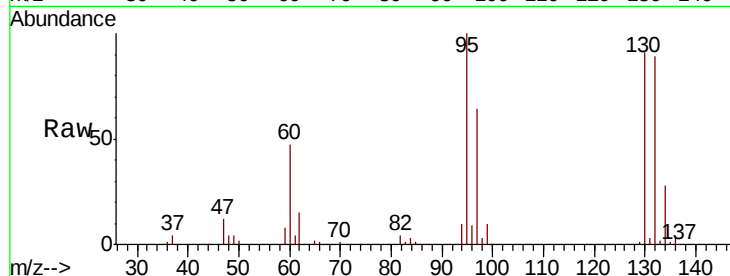
Ion Ratio Lower Upper

95 100

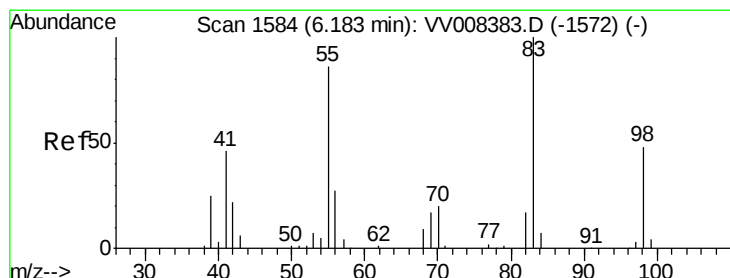
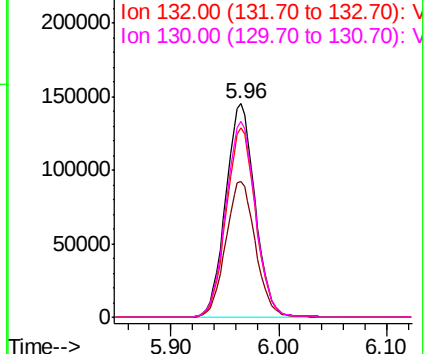
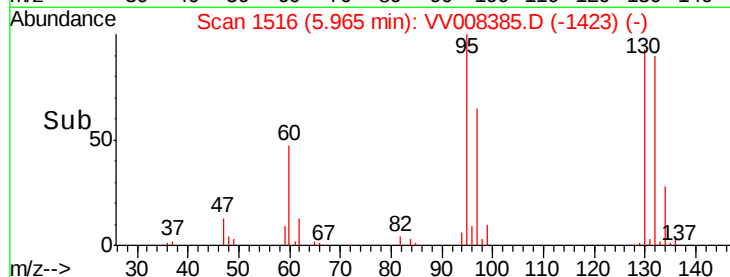
97 63.8 45.2 84.0

132 88.5 63.8 118.6

130 91.5 64.7 120.1



Abundance Ion 95.00 (94.70 to 95.70): VV008385.D (-1423) (-)



#35

Methylcyclohexane

Concen: 185.225 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

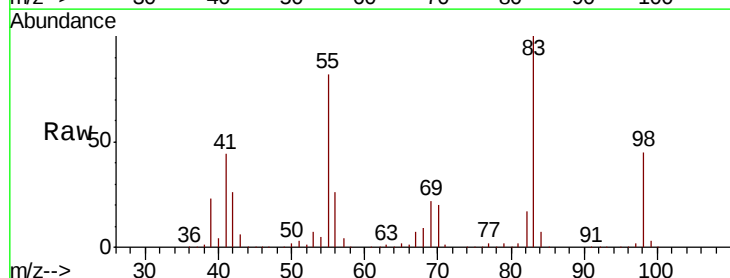
Tgt Ion: 83 Resp: 472848

Ion Ratio Lower Upper

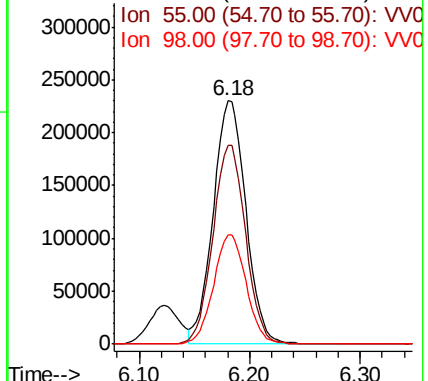
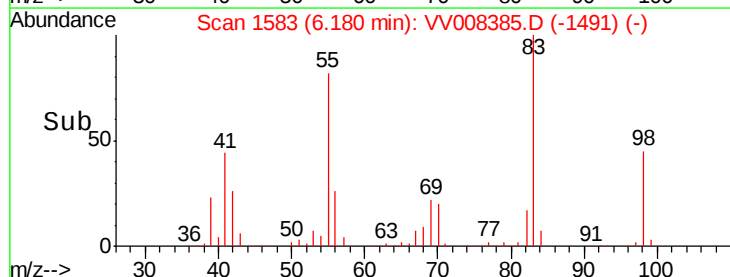
83 100

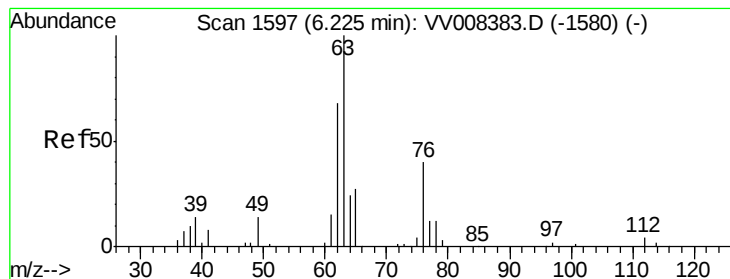
55 81.6 65.0 97.4

98 45.0 36.0 54.0



Abundance Ion 83.00 (82.70 to 83.70): VV008385.D (-1491) (-)





#37

1,2-Dichloropropane

Concen: 186.152 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

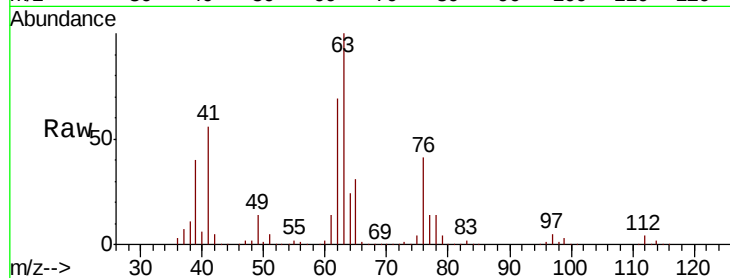
VSTD20055

Tgt Ion: 63 Resp: 296704

Ion Ratio Lower Upper

63 100

112 3.6 2.9 4.3



Abundance Ion 63.00 (62.70 to 63.70): VV008385.D (-1580) (-)

Ion 112.00 (111.70 to 112.70): VV008385.D (-1580) (-)

6.23

150000

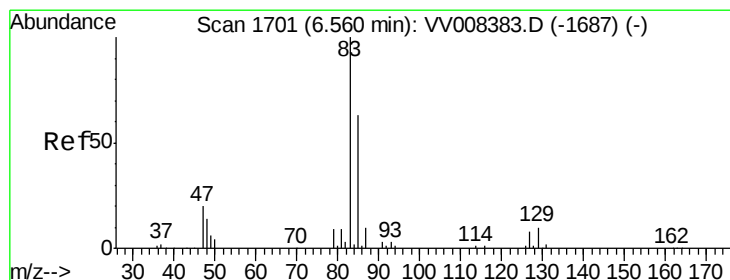
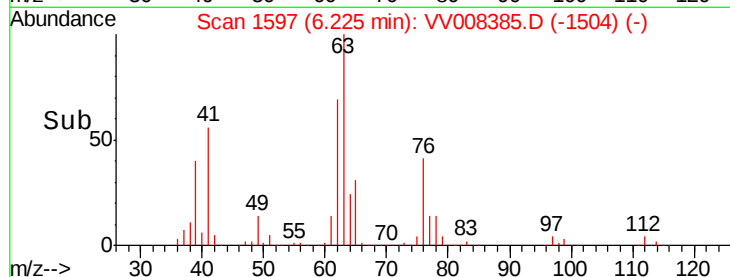
100000

50000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 191.228 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

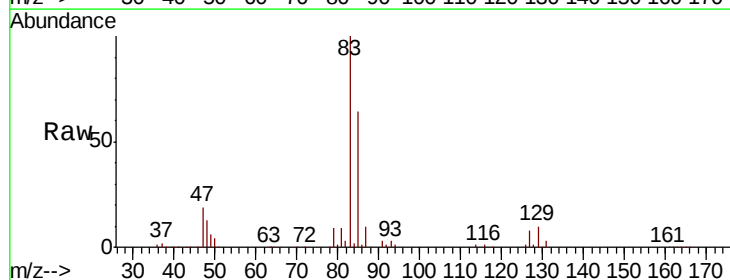
Tgt Ion: 83 Resp: 386092

Ion Ratio Lower Upper

83 100

85 63.9 44.3 82.3

127 7.7 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VV008385.D (-1687) (-)

Ion 85.00 (84.70 to 85.70): VV008385.D (-1687) (-)

Ion 127.00 (126.70 to 127.70): VV008385.D (-1687) (-)

6.56

250000

200000

150000

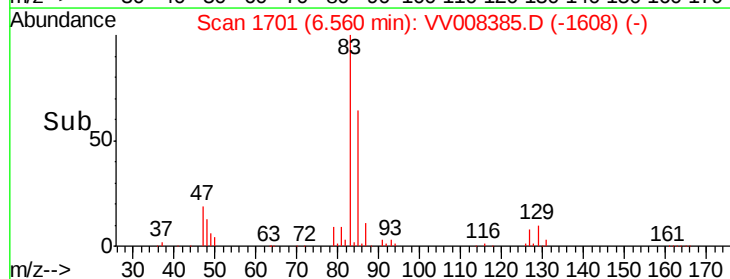
100000

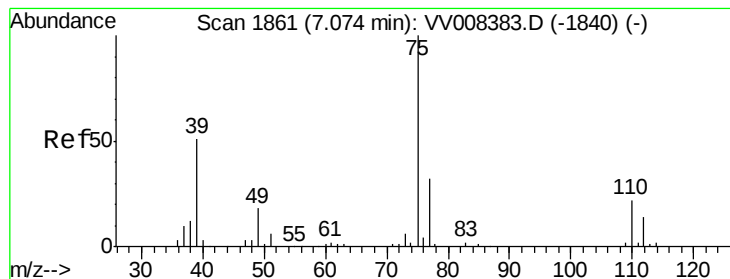
50000

0

6.45 6.50 6.55 6.60 6.65

Time-->



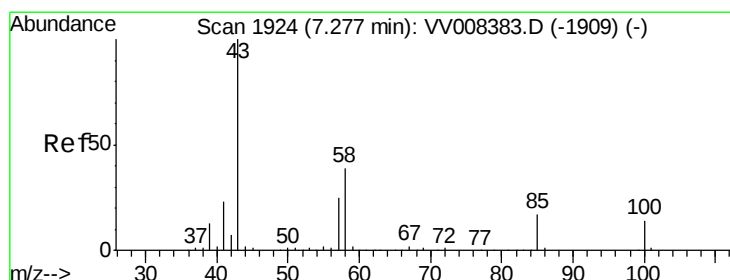
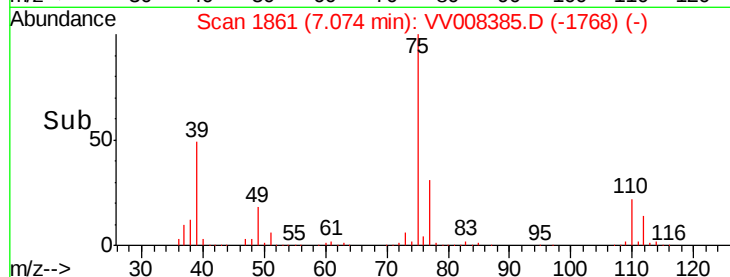
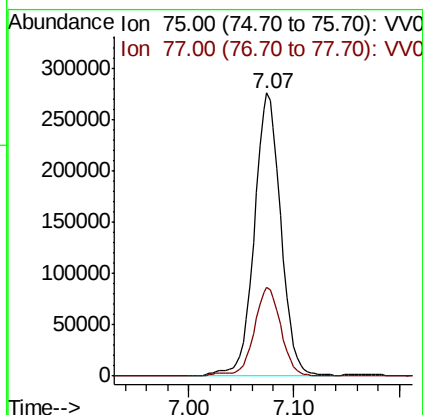
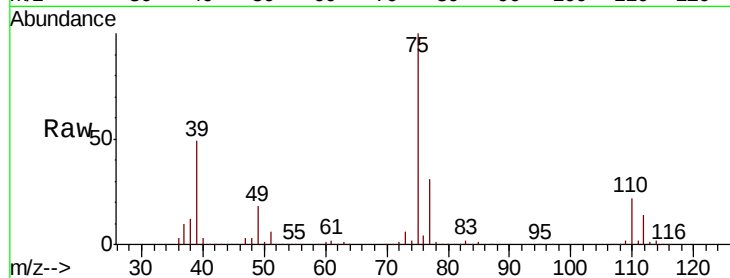


#39

cis-1,3-Dichloropropene
 Concen: 193.295 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008385.D
 Acq: 23 Oct 2018 19:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20055

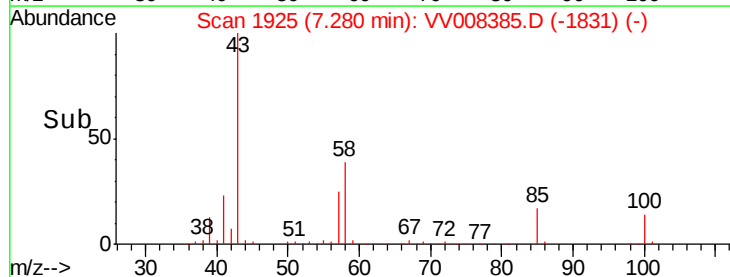
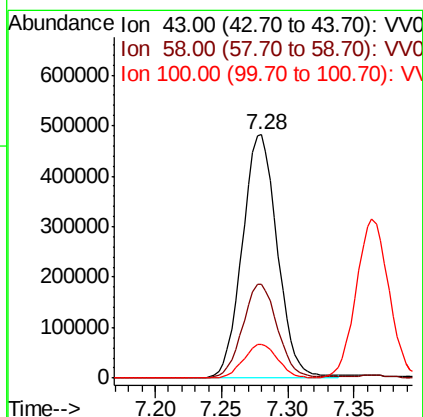
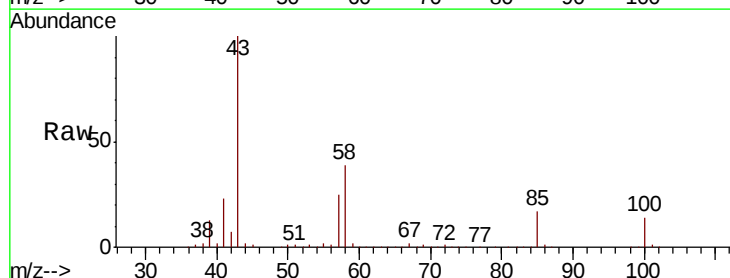
Tgt Ion: 75 Resp: 484822
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.6 42.0

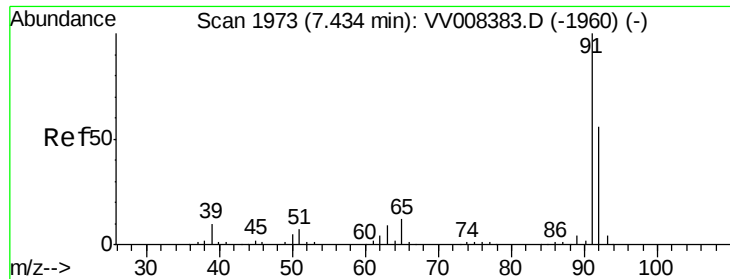


#40

4-Methyl-2-pentanone
 Concen: 379.219 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV008385.D
 Acq: 23 Oct 2018 19:34

Tgt Ion: 43 Resp: 886046
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.9 46.3
 100 13.7 10.9 16.3





#42

Toluene

Concen: 183.905 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

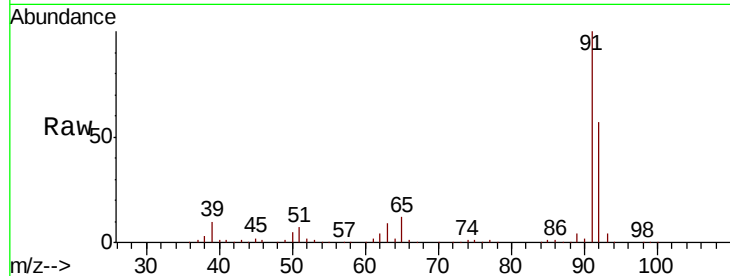
VSTD20055

Tgt Ion: 91 Resp: 1107797

Ion Ratio Lower Upper

91 100

92 57.4 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) (-)

7.44

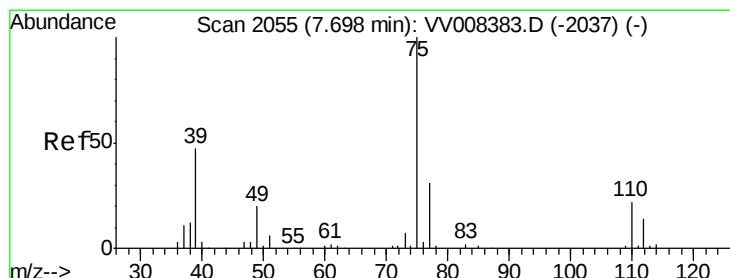
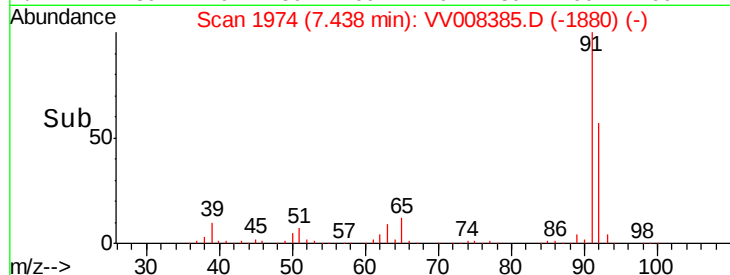
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 196.841 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008385.D

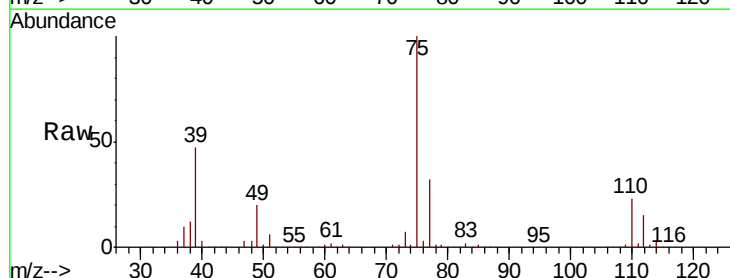
Acq: 23 Oct 2018 19:34

Tgt Ion: 75 Resp: 456894

Ion Ratio Lower Upper

75 100

77 31.6 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

300000

250000

200000

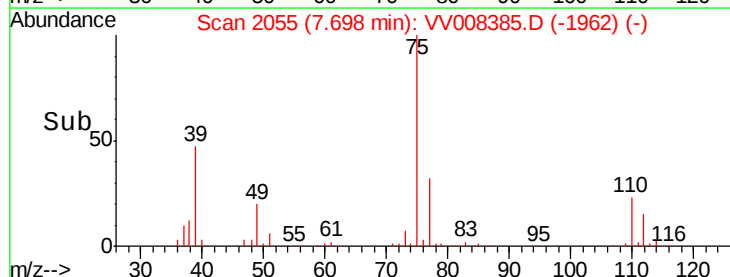
150000

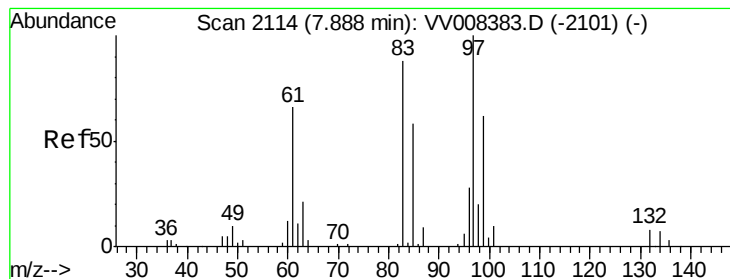
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 187.446 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD20055

Tgt Ion: 97 Resp: 261035

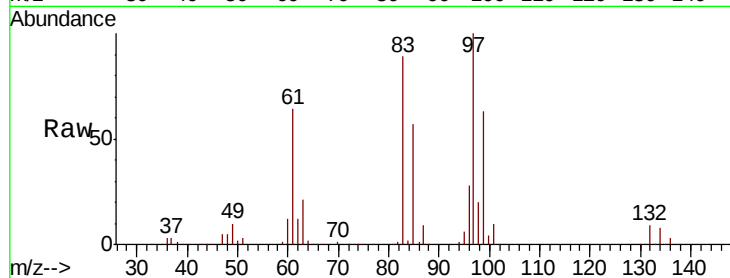
Ion Ratio Lower Upper

97 100

99 62.5 43.3 80.3

83 88.5 61.9 114.9

85 57.2 40.9 75.9

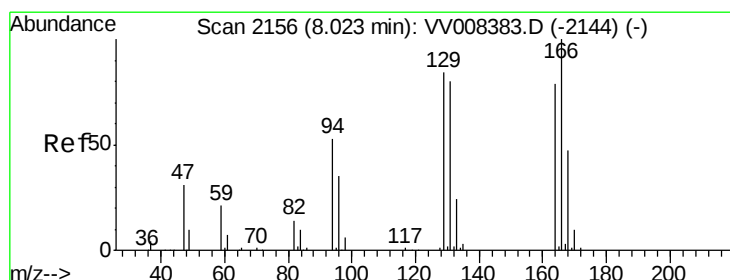
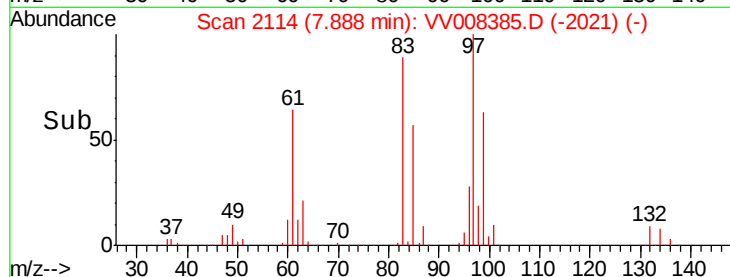
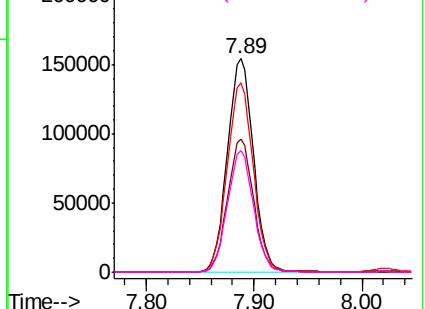


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 189.797 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

Tgt Ion:164 Resp: 185130

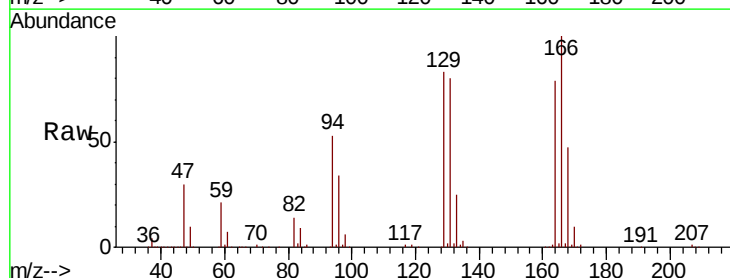
Ion Ratio Lower Upper

164 100

129 104.4 75.0 139.2

131 100.8 71.3 132.3

166 126.1 89.2 165.6

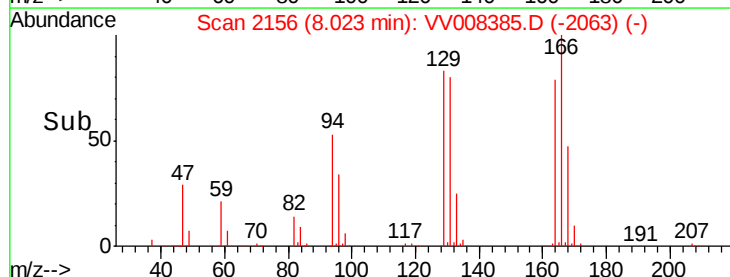
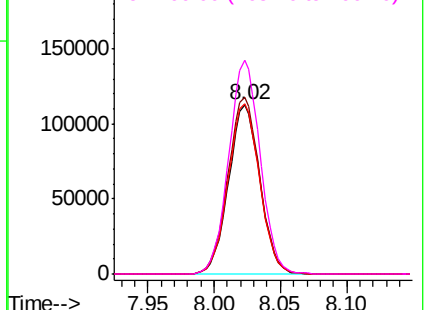


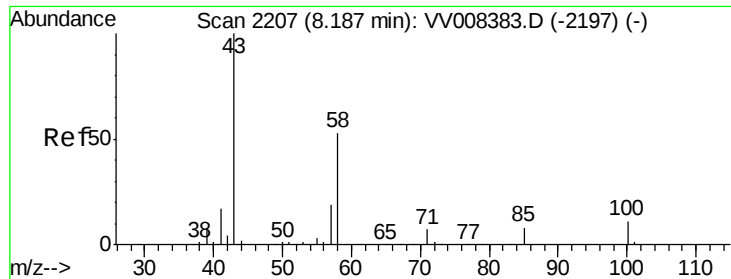
Abundance Ion 164.00 (163.70 to 164.70): V

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

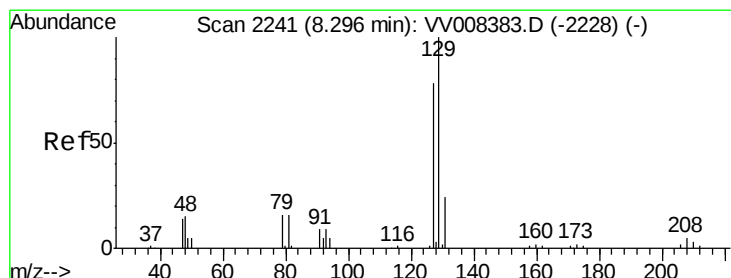
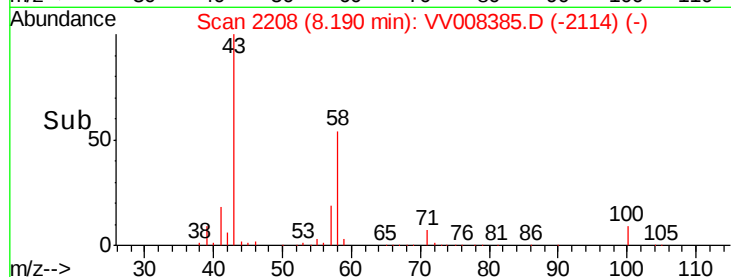
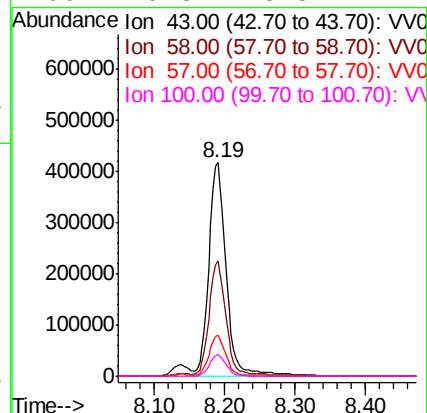
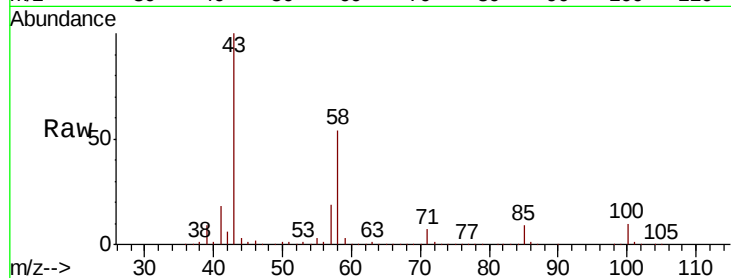




#48
2-Hexanone
Concen: 386.546 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV008385.D
Acq: 23 Oct 2018 19:34

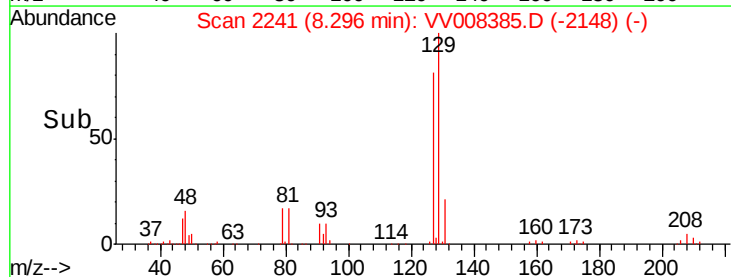
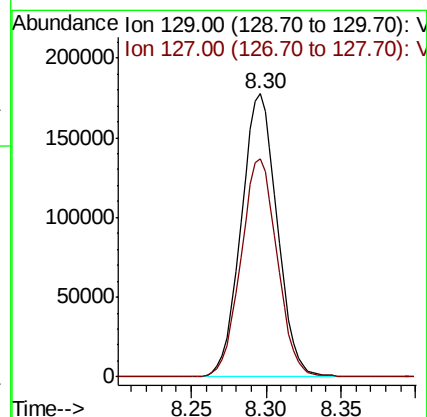
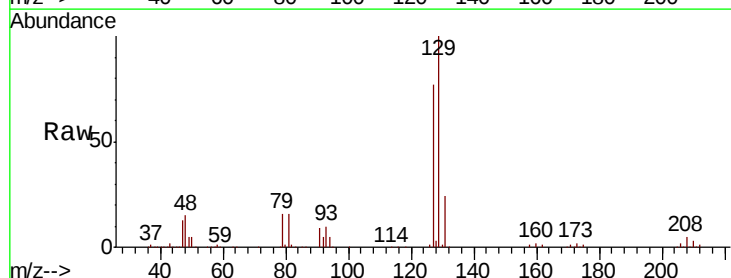
Instrument :
MSVOA_V
ClientSampleId :
VSTD20055

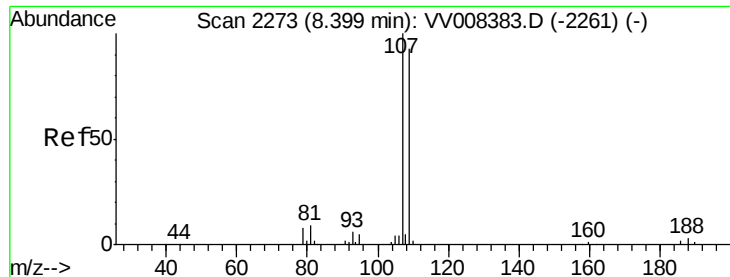
Tgt Ion: 43 Resp: 719606
Ion Ratio Lower Upper
43 100
58 51.9 42.6 63.8
57 19.3 14.8 22.2
100 9.8 8.5 12.7



#49
Dibromochloromethane
Concen: 202.435 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV008385.D
Acq: 23 Oct 2018 19:34

Tgt Ion: 129 Resp: 297351
Ion Ratio Lower Upper
129 100
127 77.1 54.9 101.9

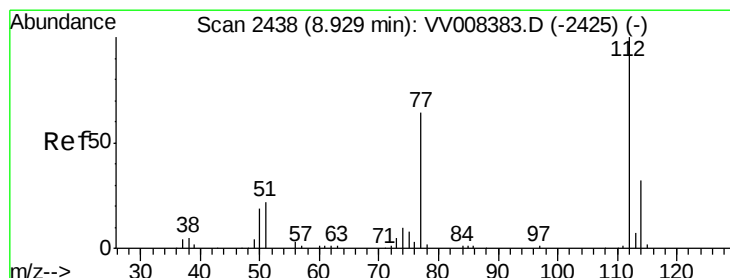
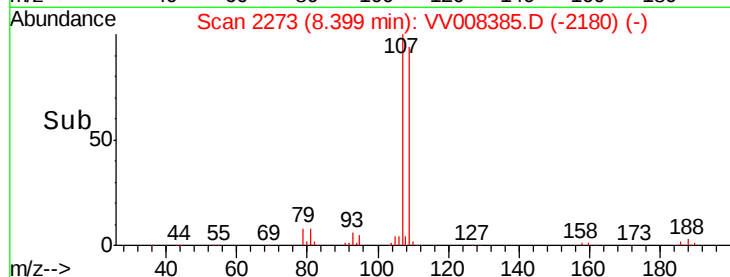
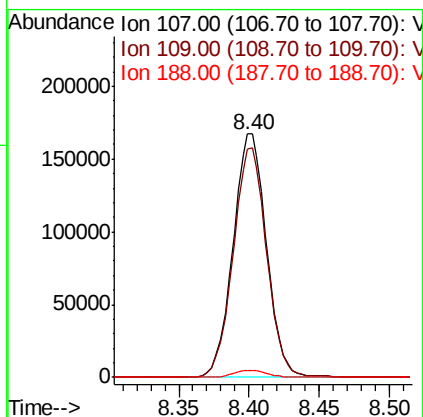
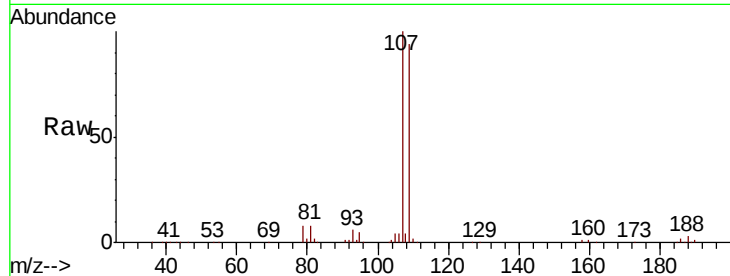




#50
 1,2-Dibromoethane
 Concen: 188.500 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VV008385.D
 Acq: 23 Oct 2018 19:34

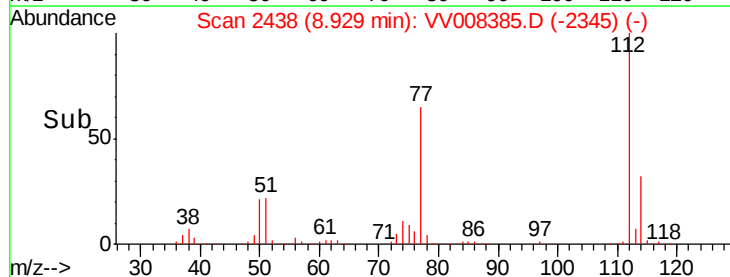
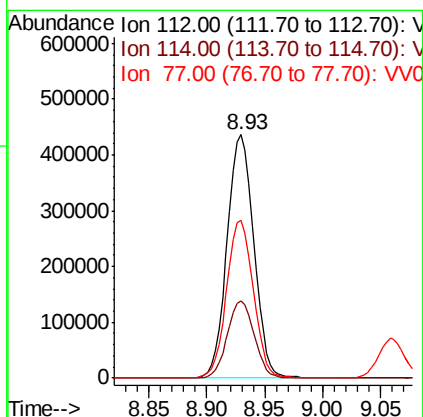
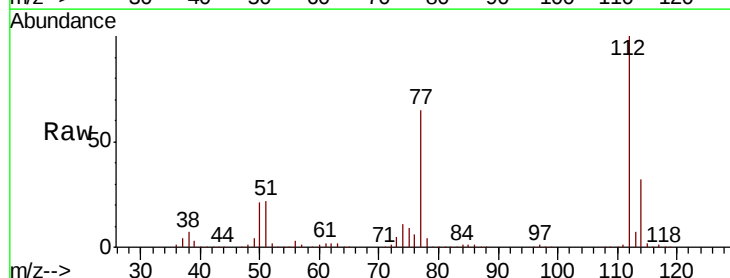
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20055

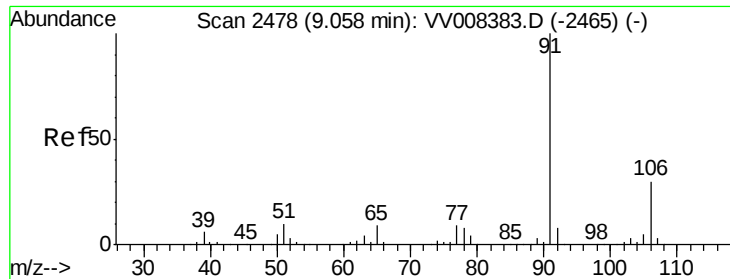
Tgt Ion:107 Resp: 277946
 Ion Ratio Lower Upper
 107 100
 109 93.8 65.2 121.2
 188 2.9 2.3 3.5



#51
 Chlorobenzene
 Concen: 188.468 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: VV008385.D
 Acq: 23 Oct 2018 19:34

Tgt Ion:112 Resp: 698160
 Ion Ratio Lower Upper
 112 100
 114 31.9 22.5 41.7
 77 64.6 52.0 78.0





#52

Ethylbenzene

Concen: 191.522 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

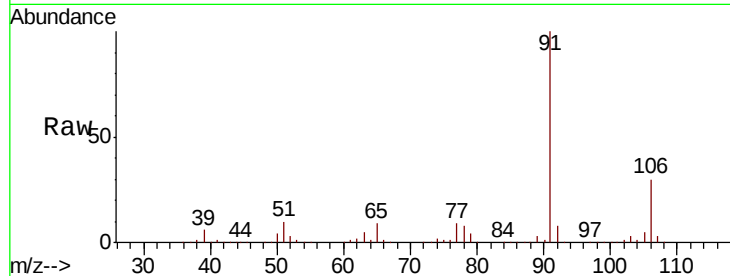
VSTD20055

Tgt Ion: 91 Resp: 1274044

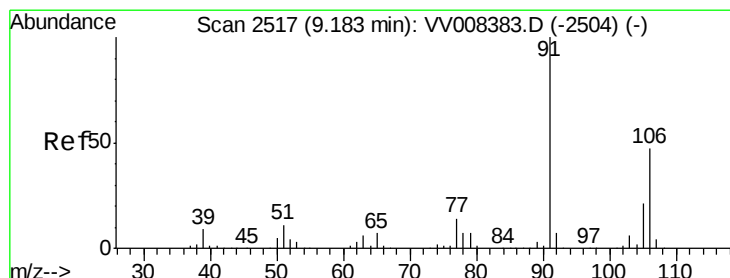
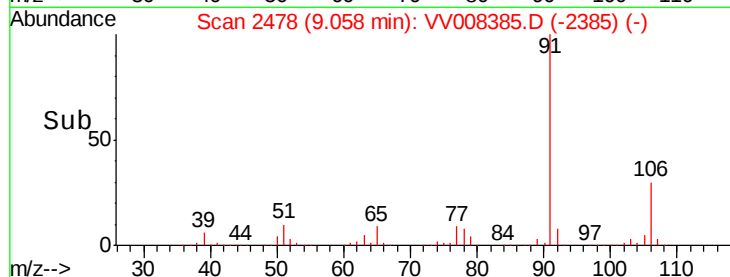
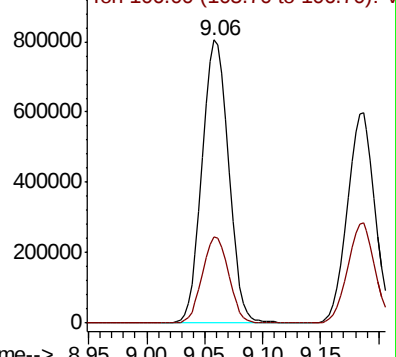
Ion Ratio Lower Upper

91 100

106 30.3 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV008385.D (-2465) (-)



#53

m,p-Xylene

Concen: 196.314 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV008385.D

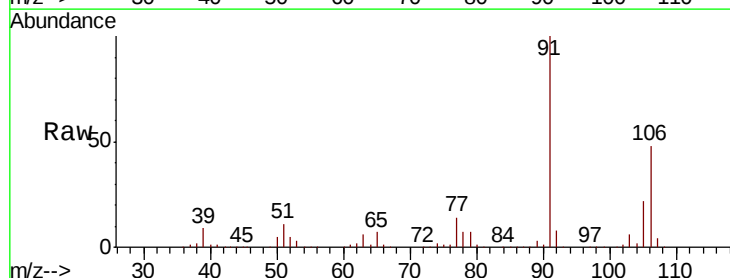
Acq: 23 Oct 2018 19:34

Tgt Ion: 106 Resp: 472123

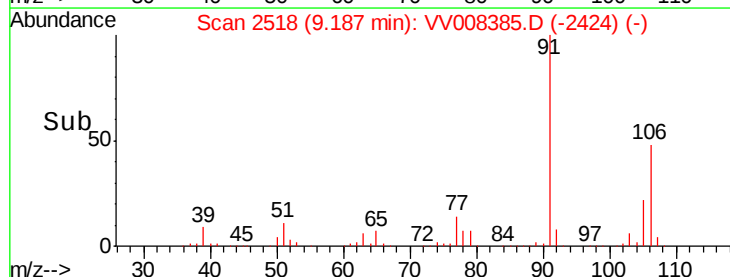
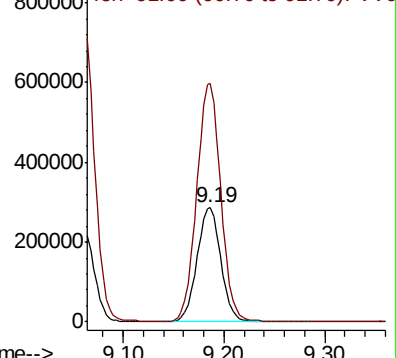
Ion Ratio Lower Upper

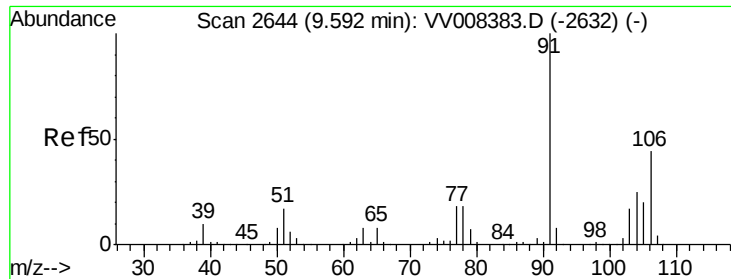
106 100

91 209.2 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): VV008385.D (-2504) (-)





#54

o-xylene

Concen: 192.563 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

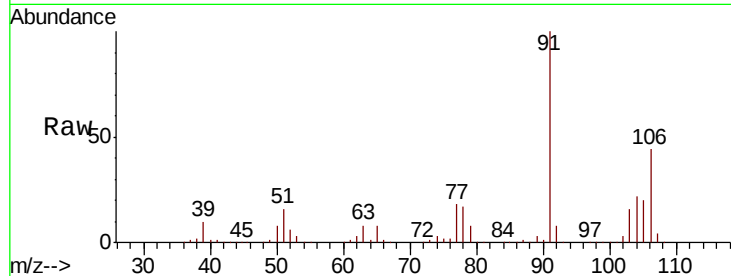
VSTD20055

Tgt Ion:106 Resp: 456289

Ion Ratio Lower Upper

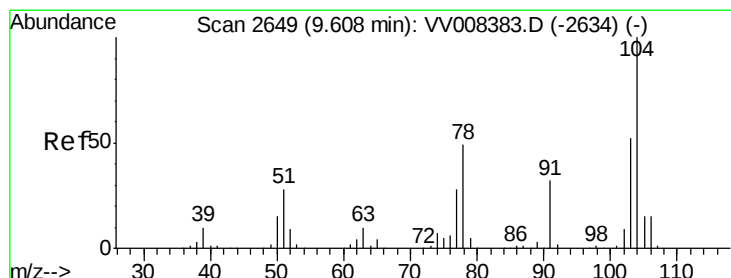
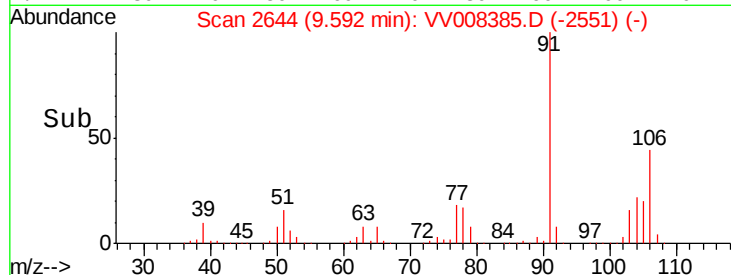
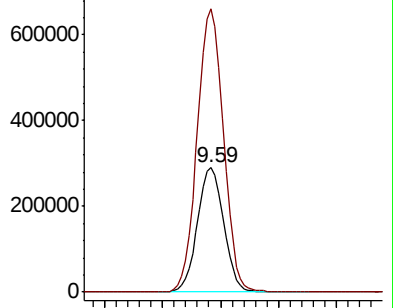
106 100

91 227.4 158.7 294.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 203.804 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008385.D

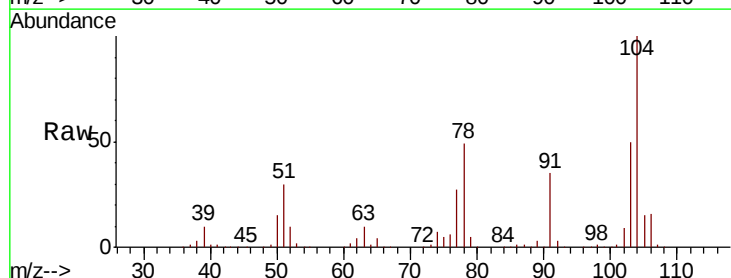
Acq: 23 Oct 2018 19:34

Tgt Ion:104 Resp: 810572

Ion Ratio Lower Upper

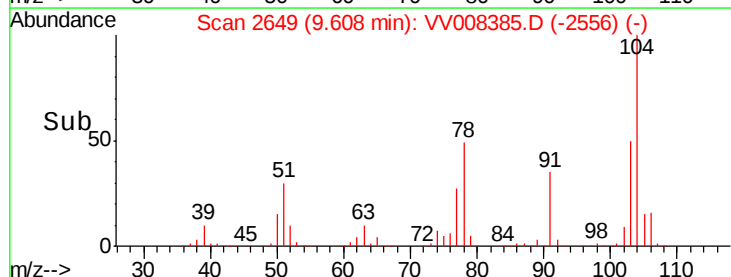
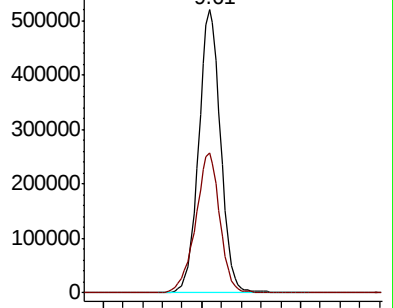
104 100

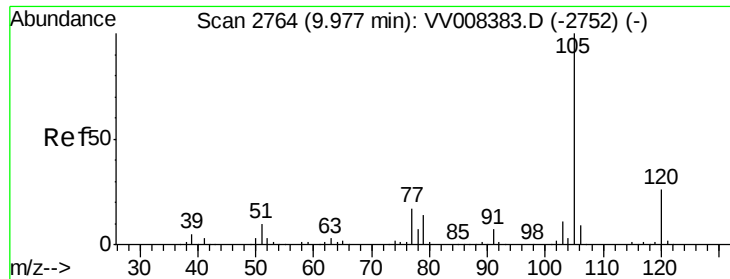
78 49.3 34.4 64.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 195.738 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD20055

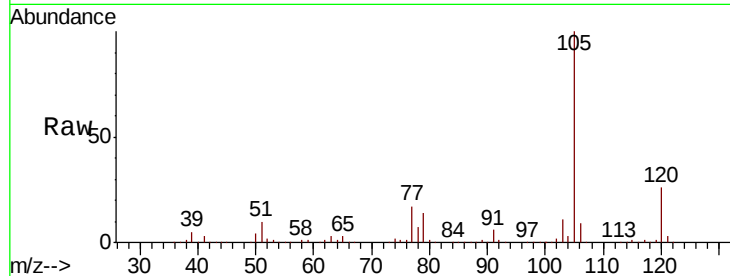
Tgt Ion:105 Resp: 1235555

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

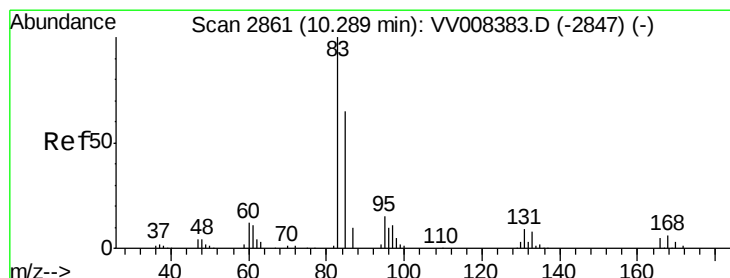
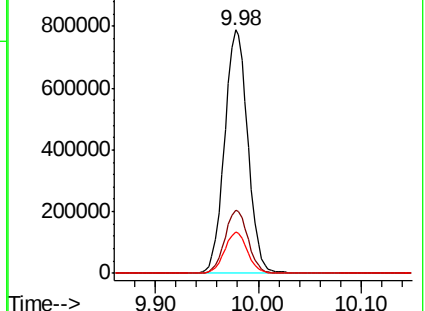
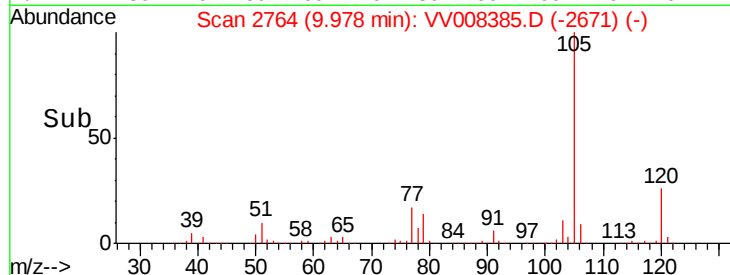
77 16.7 13.5 20.3



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: 237.119 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

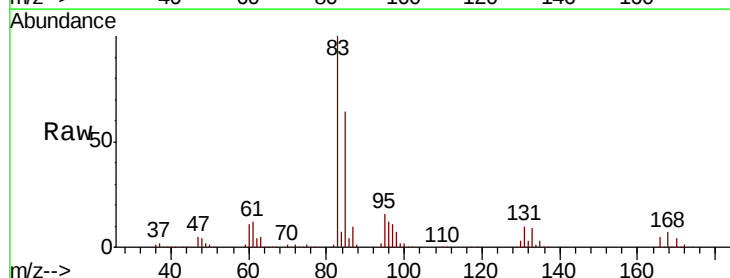
Tgt Ion: 83 Resp: 474901

Ion Ratio Lower Upper

83 100

85 63.7 45.8 85.2

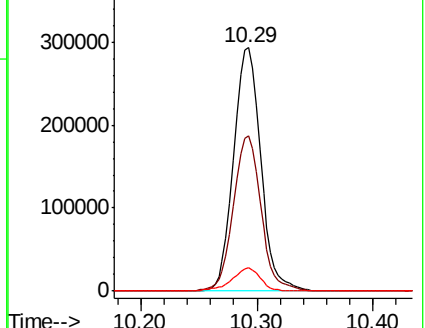
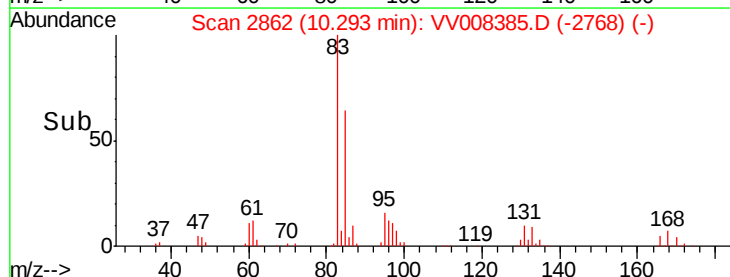
131 9.5 7.3 10.9

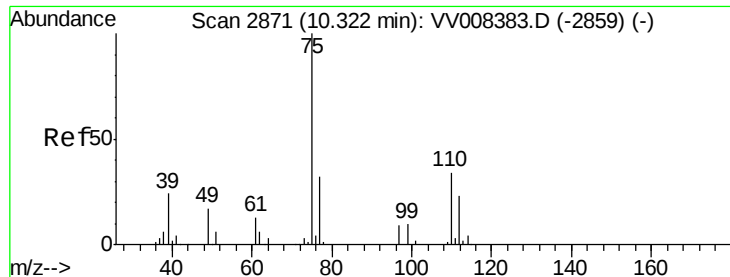


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 198.733 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

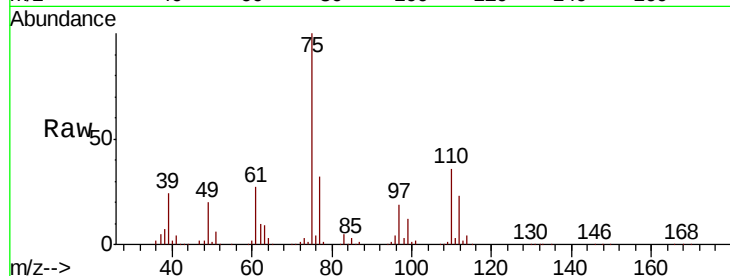
VSTD20055

Tgt Ion: 75 Resp: 382479

Ion Ratio Lower Upper

75 100

77 31.9 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) (-)

10.32

250000

200000

150000

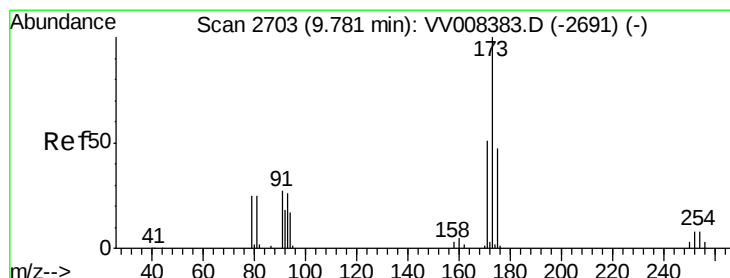
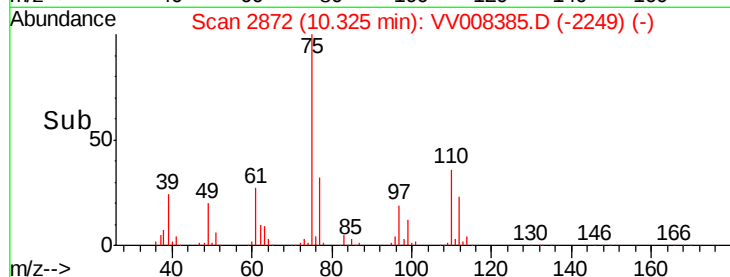
100000

50000

0

10.30 10.40

Time-->



#61

Bromoform

Concen: 198.355 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

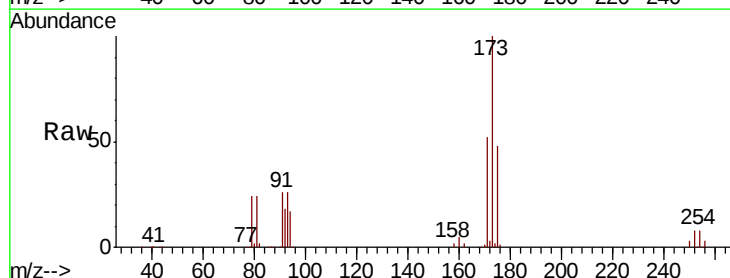
Tgt Ion: 173 Resp: 214605

Ion Ratio Lower Upper

173 100

175 47.9 38.6 57.8

254 8.2 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) (-)

9.78

150000

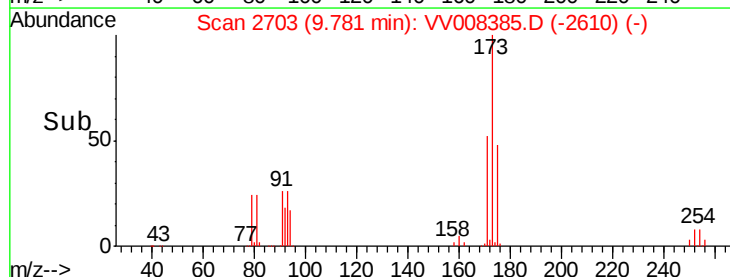
100000

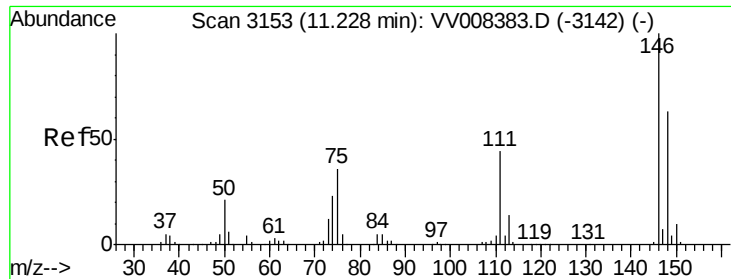
50000

0

9.70 9.75 9.80 9.85 9.90

Time-->





#62

1,3-Dichlorobenzene

Concen: 184.271 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD20055

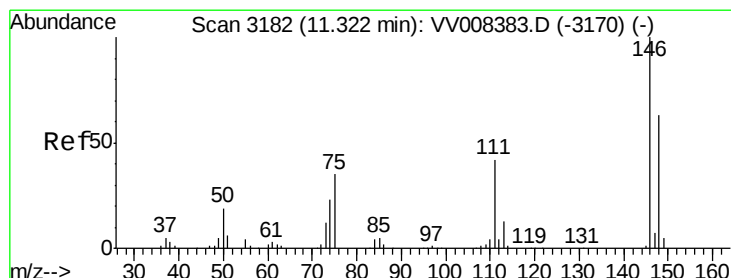
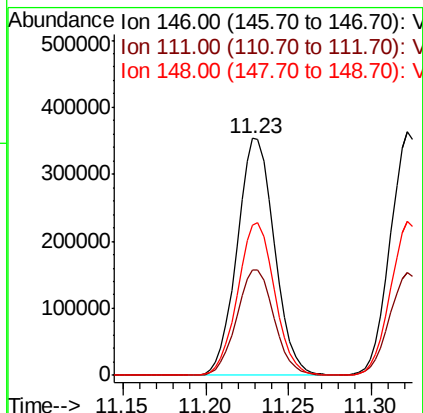
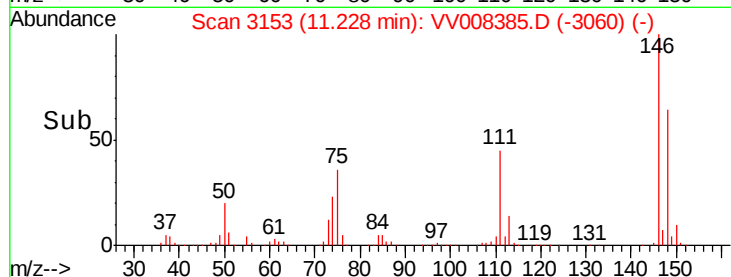
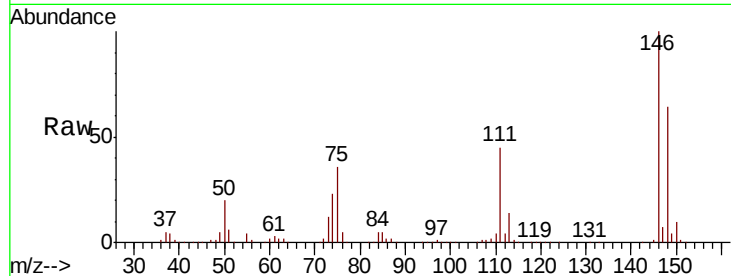
Tgt Ion:146 Resp: 553154

Ion Ratio Lower Upper

146 100

111 44.6 30.9 57.3

148 63.6 44.1 81.9



#63

1,4-Dichlorobenzene

Concen: 183.692 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

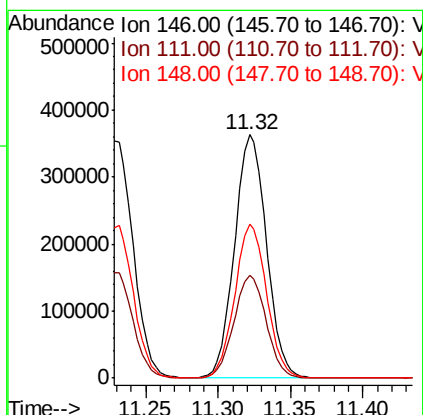
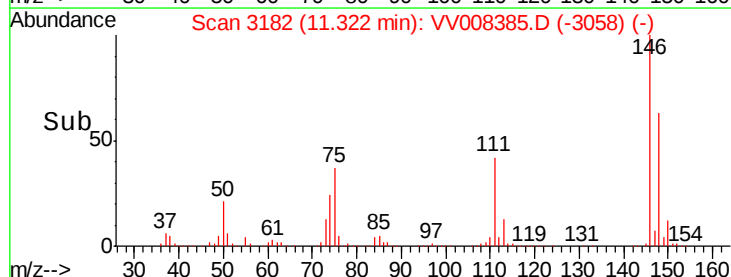
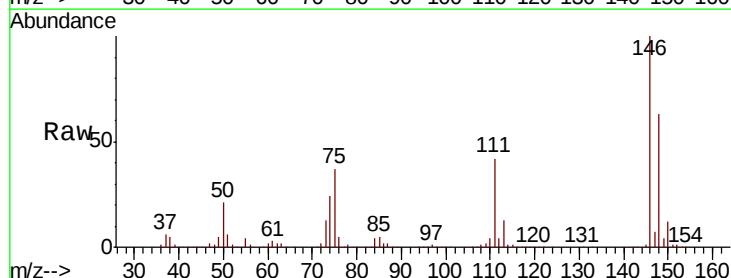
Tgt Ion:146 Resp: 555125

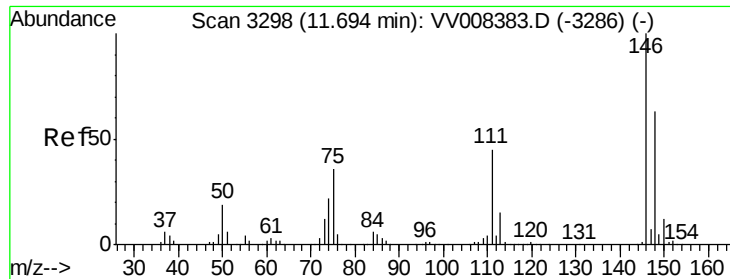
Ion Ratio Lower Upper

146 100

111 42.4 29.8 55.4

148 63.1 44.4 82.5





#65

1,2-Dichlorobenzene

Concen: 178.961 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD20055

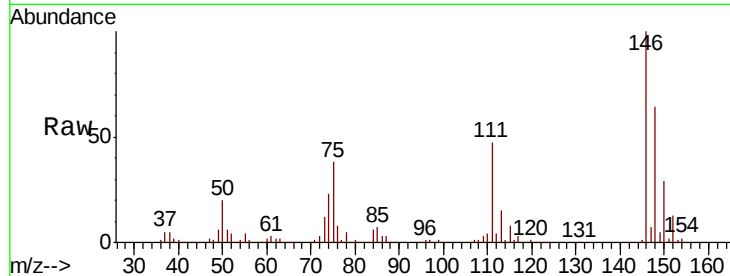
Tgt Ion: 146 Resp: 547551

Ion Ratio Lower Upper

146 100

111 46.6 36.2 54.2

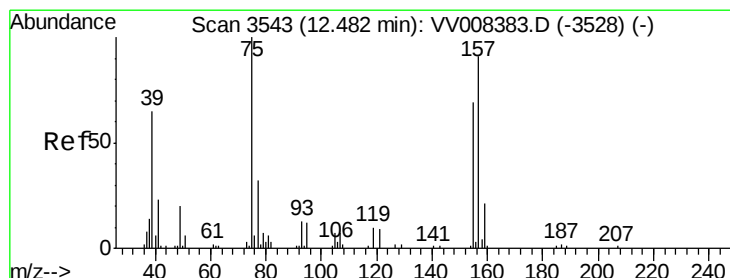
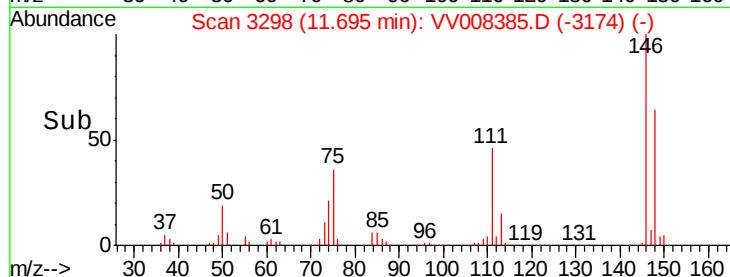
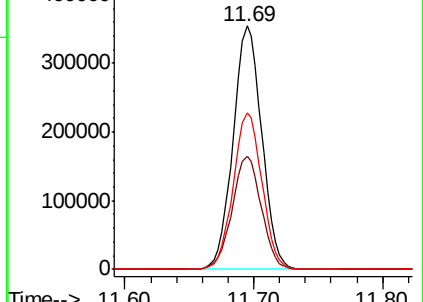
148 64.2 50.3 75.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 199.083 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

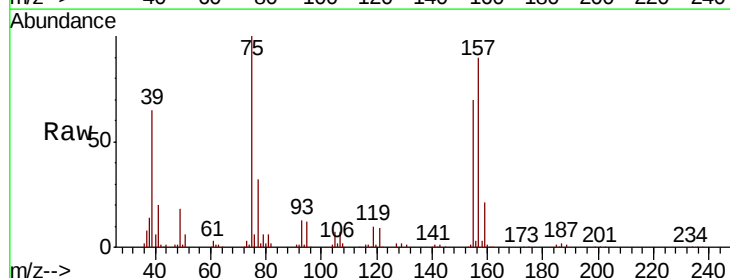
Tgt Ion: 75 Resp: 116142

Ion Ratio Lower Upper

75 100

155 70.2 55.4 83.0

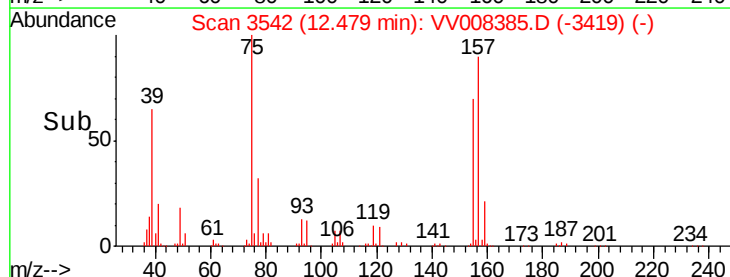
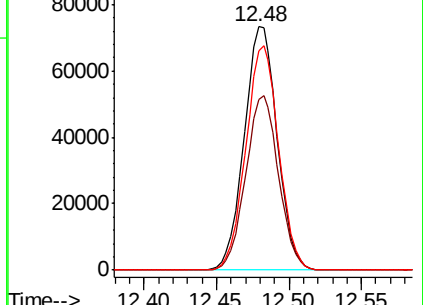
157 89.9 72.8 109.2

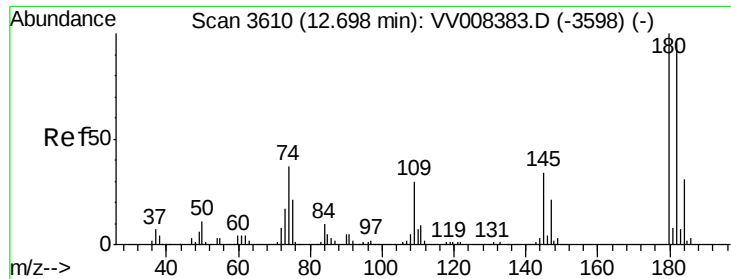


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

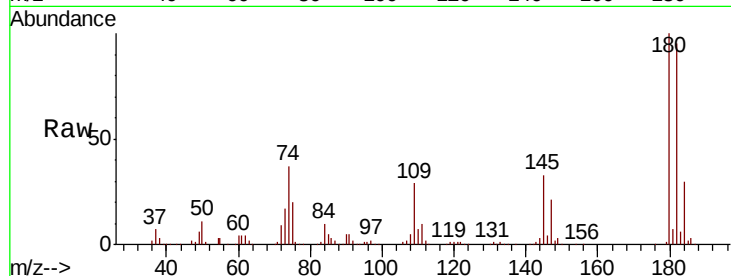




#67
 1,3,5-Trichlorobenzene
 Concen: 196.507 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008385.D
 Acq: 23 Oct 2018 19:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20055

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.9	113.9
184	30.2	24.1	36.1
145	33.4	26.8	40.2



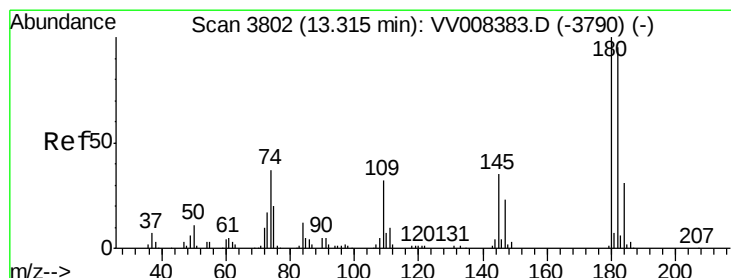
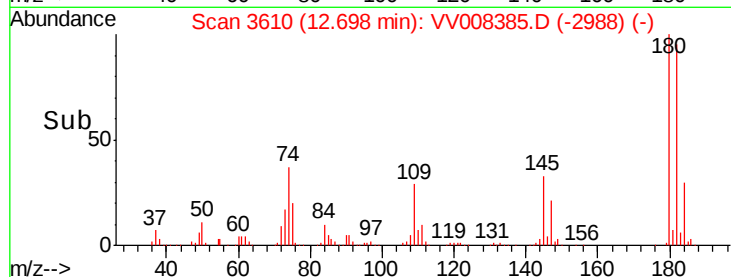
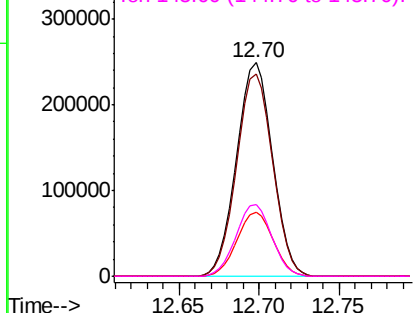
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

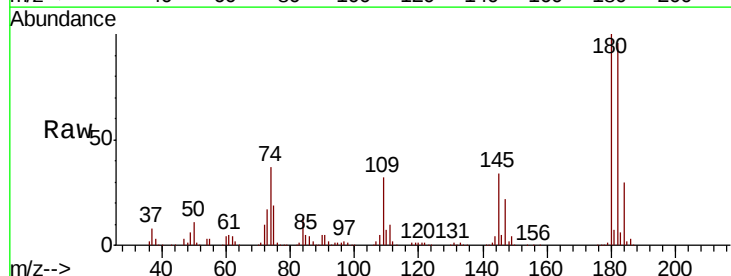
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 213.357 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008385.D
 Acq: 23 Oct 2018 19:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.4	113.2
145	34.1	27.0	40.6

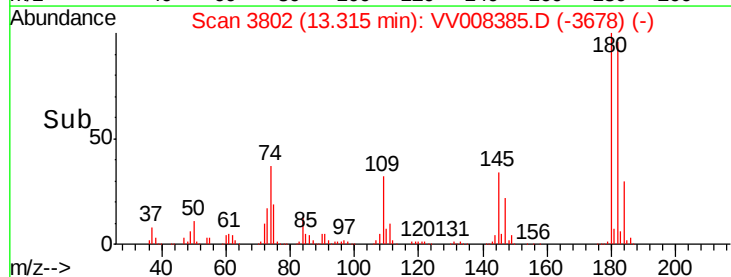
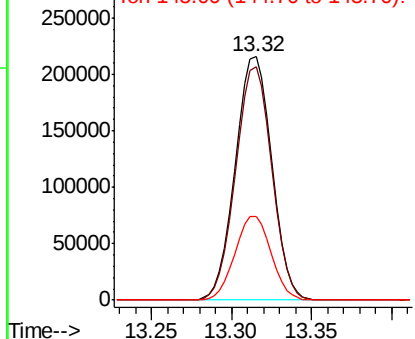


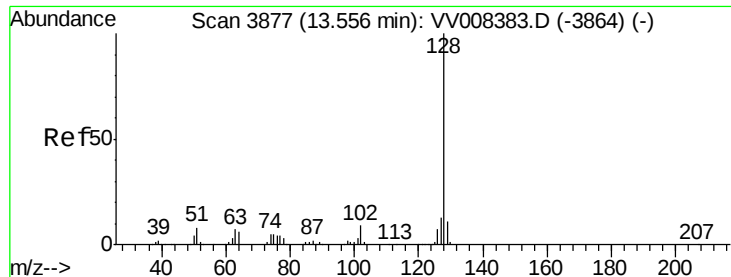
Abundance

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: 197.585 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD20055

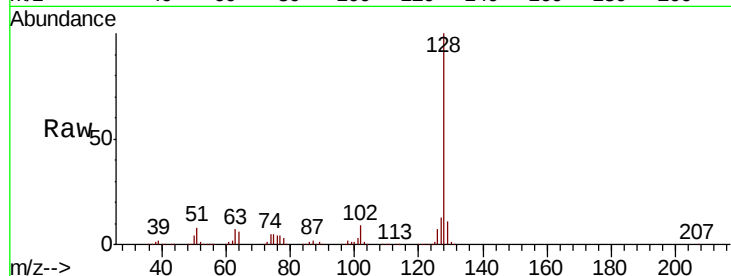
Tgt Ion:128 Resp: 1092060

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

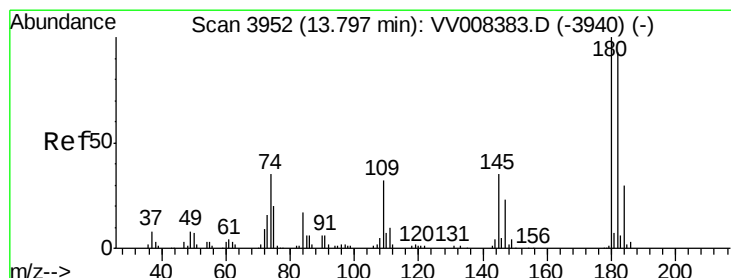
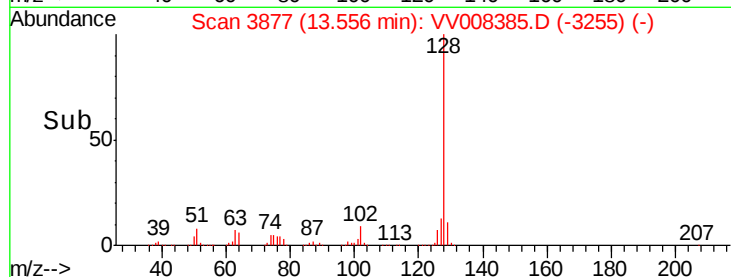
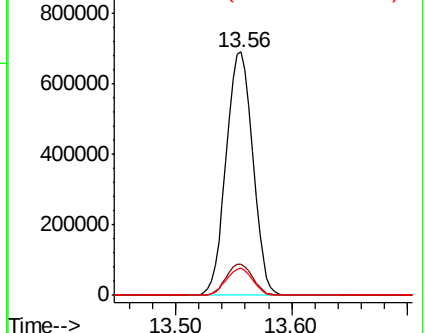
129 11.0 8.9 13.3



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: 203.889 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008385.D

Acq: 23 Oct 2018 19:34

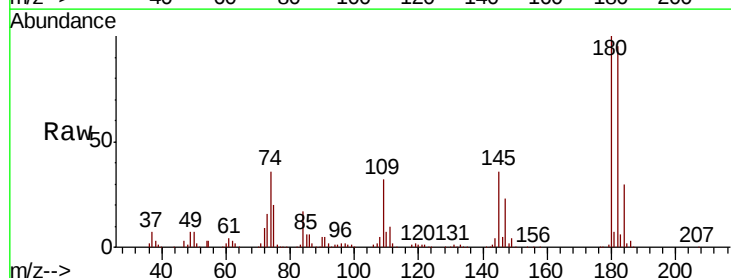
Tgt Ion:180 Resp: 326225

Ion Ratio Lower Upper

180 100

182 94.7 75.7 113.5

145 35.4 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

