

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112918\
 Data File : VV008765.D
 Acq On : 29 Nov 2018 15:44
 Operator : SY/MD
 Sample : VSTD01066
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

Quant Time: Nov 30 04:38:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 30 04:34:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	167629	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	155829	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	77194	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	105877	10.69	ug/L	0.00
7) Chloroethane-d5	1.59	69	76383	11.37	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	186663	9.96	ug/L	0.00
20) 2-Butanone-d5	3.98	46	264377	102.46	ug/L	0.00
24) Chloroform-d	4.41	84	223658	10.13	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	106865	9.95	ug/L	0.00
32) Benzene-d6	5.10	84	462128	10.04	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	133164	9.44	ug/L	0.00
41) Toluene-d8	7.36	98	432828	10.17	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	50471	10.26	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	221655	116.60	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	90703	9.93	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	148464	9.75	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	142195	9.831 ug/L	99
3) Chloromethane	1.25	50	105058	9.207 ug/L	100
5) Vinyl chloride	1.33	62	105453	9.216 ug/L	99
6) Bromomethane	1.54	94	65411	10.231 ug/L	99
8) Chloroethane	1.60	64	59589	10.457 ug/L	98
9) Trichlorofluoromethane	1.77	101	160139	10.079 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	88053	9.397 ug/L	98
12) 1,1-Dichloroethene	2.15	96	78502	9.406 ug/L	91
13) Acetone	2.23	43	117791	90.413 ug/L	93
14) Carbon disulfide	2.32	76	231211	9.169 ug/L	99
15) Methyl Acetate	2.48	43	30883	9.143 ug/L	98
16) Methylene chloride	2.54	84	82675	8.935 ug/L	95
17) Methyl tert-butyl Ether	2.81	73	195149	9.836 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	85264	9.517 ug/L	99
19) 1,1-Dichloroethane	3.23	63	200264	9.849 ug/L	97
21) 2-Butanone	4.06	43	263064	99.524 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	124226	9.921 ug/L	98
23) Bromochloromethane	4.30	128	52100	10.086 ug/L	97
25) Chloroform	4.43	83	206786	9.560 ug/L	97
27) 1,2-Dichloroethane	5.19	62	123123	10.030 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	179830	9.911 ug/L	99
30) Cyclohexane	4.73	56	188336	9.751 ug/L	100
31) Carbon tetrachloride	4.88	117	157117	10.262 ug/L	99
33) Benzene	5.15	78	459682	9.749 ug/L	100
34) Trichloroethene	5.96	95	127328	9.837 ug/L	96
35) Methylcyclohexane	6.18	83	207809	10.078 ug/L	99
37) 1,2-Dichloropropane	6.23	63	112488	9.642 ug/L	100
38) Bromodichloromethane	6.56	83	133367	10.019 ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	160992	10.352 ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	625656	102.147 ug/L	99

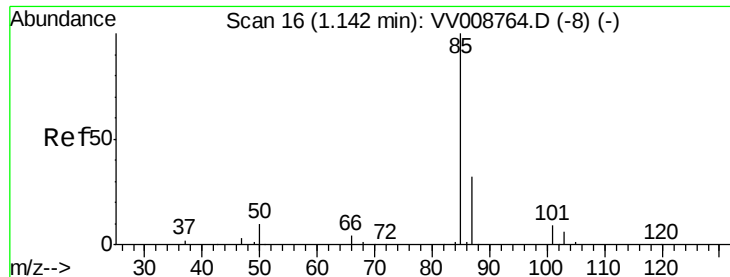
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112918\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	493497	10.122	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	126874	10.429	ug/L	95
45) 1,1,2-Trichloroethane	7.89	97	78238	10.001	ug/L	98
47) Tetrachloroethene	8.02	164	98851	10.097	ug/L	97
48) 2-Hexanone	8.19	43	439164	102.973	ug/L	98
49) Dibromochloromethane	8.29	129	89968	10.851	ug/L	97
50) 1,2-Dibromoethane	8.40	107	74594	10.619	ug/L	96
51) Chlorobenzene	8.93	112	316066	8.968	ug/L	100
52) Ethylbenzene	9.06	91	538893	10.156	ug/L	100
53) m,p-xylene	9.18	106	205582	10.331	ug/L	97
54) o-xylene	9.59	106	201035	10.439	ug/L	99
55) Styrene	9.60	104	337655	10.689	ug/L	99
56) Isopropylbenzene	9.98	105	531766	10.380	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	86732	10.394	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	66985	10.115	ug/L	96
61) Bromoform	9.78	173	43732	10.430	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	244234	9.752	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	247222	9.216	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	229067	9.178	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	12796	10.410	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	188801	10.296	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	151914	11.210	ug/L	98
69) Naphthalene	13.55	128	247413	12.561	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	140243	11.467	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 9.831 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008765.D

Acq: 29 Nov 2018 15:44

Instrument :

MSVOA_V

ClientSampleId :

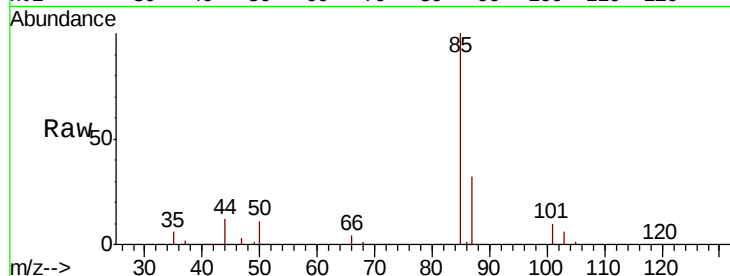
VSTD01066

Tgt Ion: 85 Resp: 142195

Ion Ratio Lower Upper

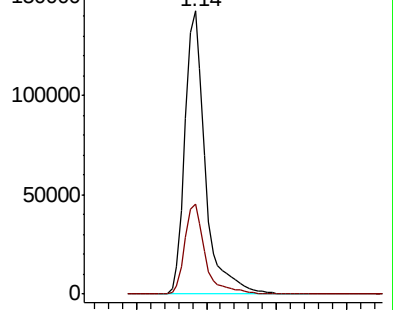
85 100

87 32.0 25.4 38.0

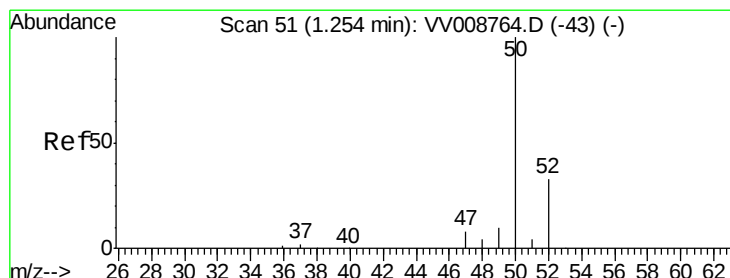
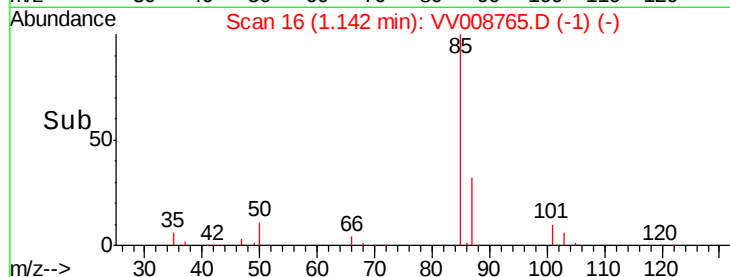


Abundance Ion 85.00 (84.70 to 85.70): VV008764.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008764.D (-8) (-)



Time-->



#3

Chloromethane

Concen: 9.207 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008765.D

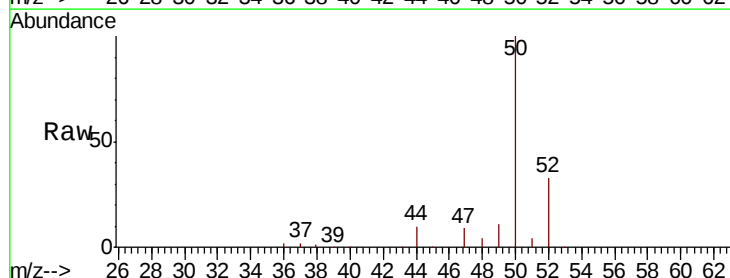
Acq: 29 Nov 2018 15:44

Tgt Ion: 50 Resp: 105058

Ion Ratio Lower Upper

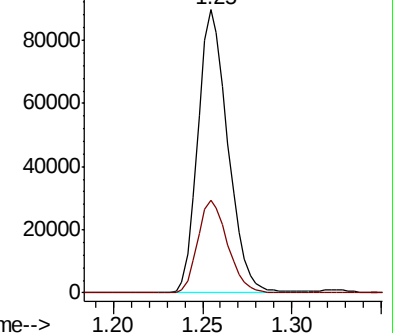
50 100

52 32.7 22.8 42.4

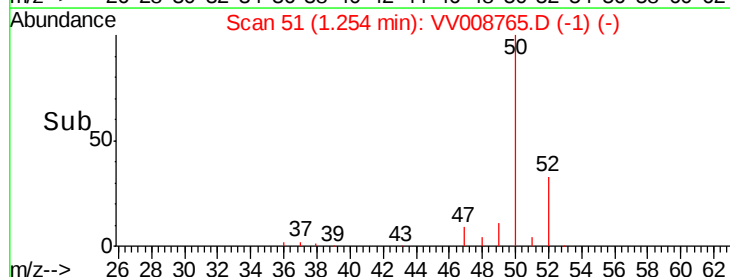


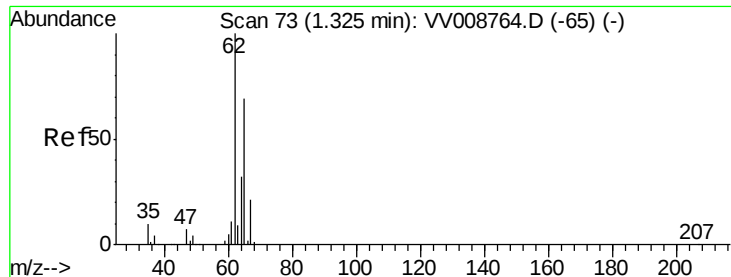
Abundance Ion 50.05 (49.75 to 50.75): VV008764.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV008764.D (-43) (-)



Time-->





#5

Vinyl chloride

Concen: 9.216 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008765.D

Acq: 29 Nov 2018 15:44

Instrument :

MSVOA_V

ClientSampleId :

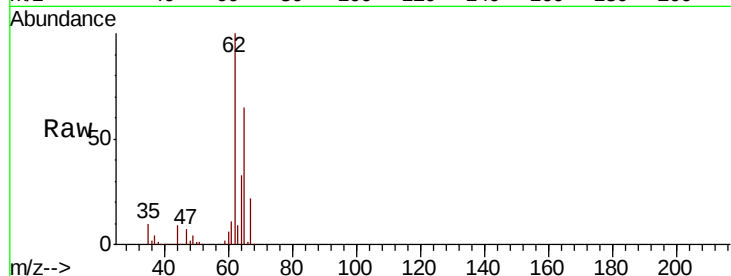
VSTD01066

Tgt Ion: 62 Resp: 105453

Ion Ratio Lower Upper

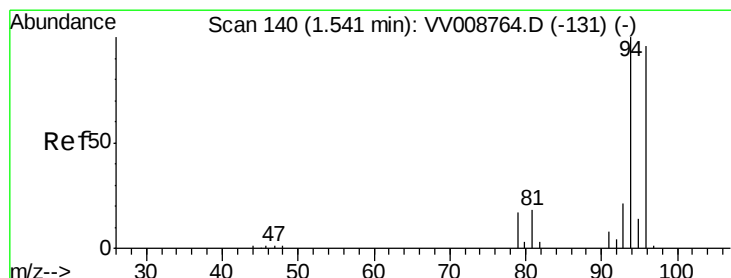
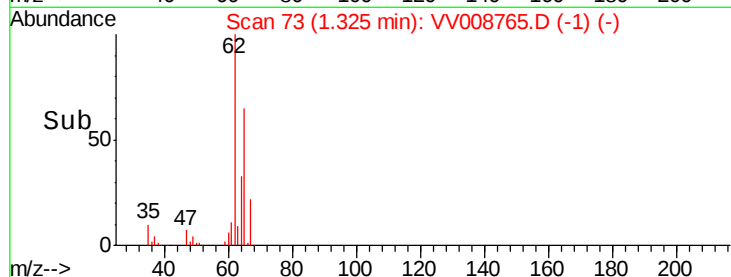
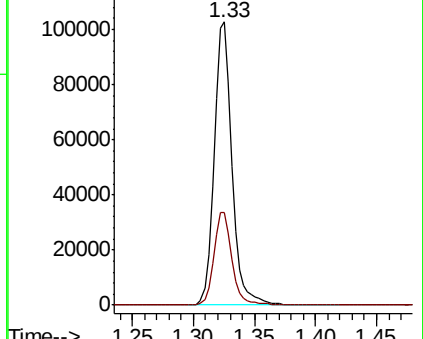
62 100

64 32.8 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 10.231 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV008765.D

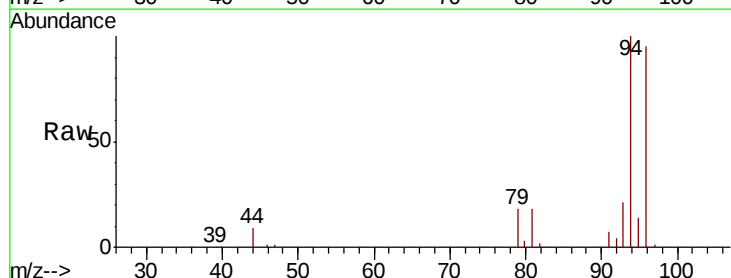
Acq: 29 Nov 2018 15:44

Tgt Ion: 94 Resp: 65411

Ion Ratio Lower Upper

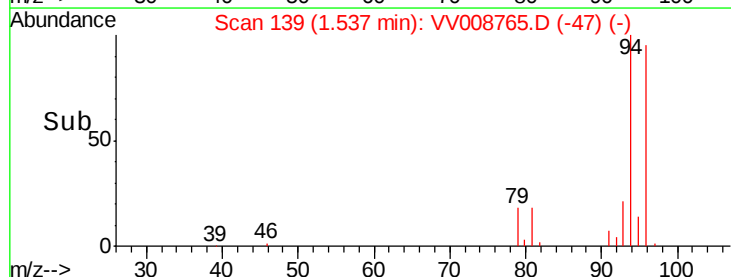
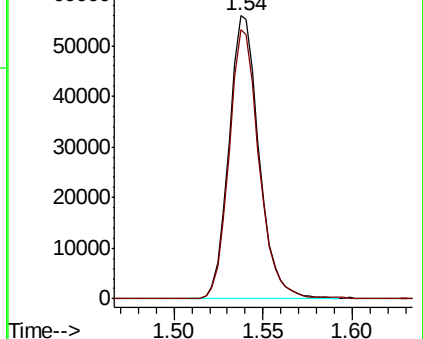
94 100

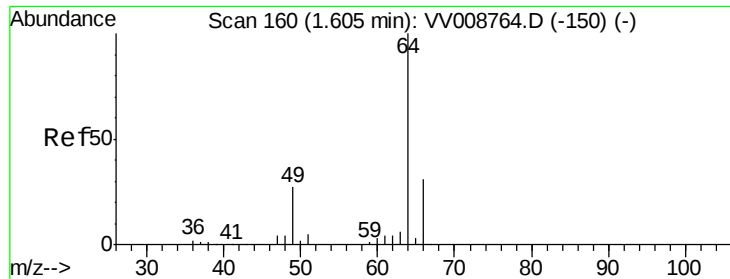
96 95.0 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 10.457 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV008765.D

Acq: 29 Nov 2018 15:44

Instrument :

MSVOA_V

ClientSampleId :

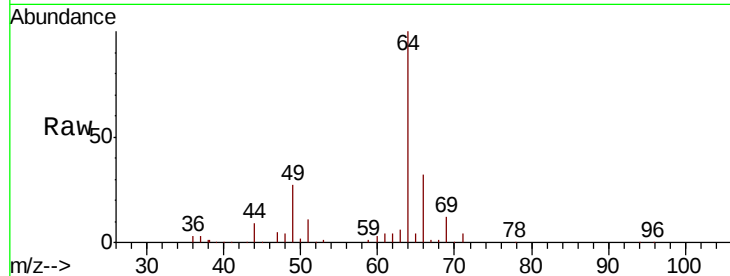
VSTD01066

Tgt Ion: 64 Resp: 59589

Ion Ratio Lower Upper

64 100

66 32.3 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV008764.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV008764.D (-150) (-)

1.60

50000

40000

30000

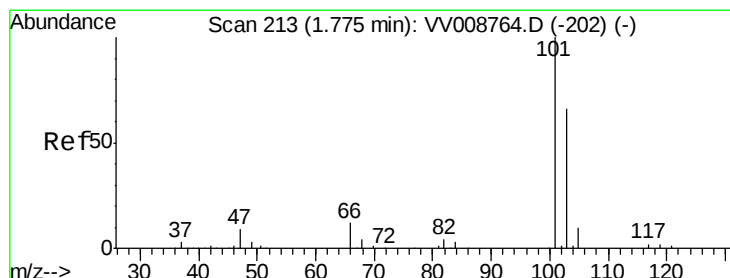
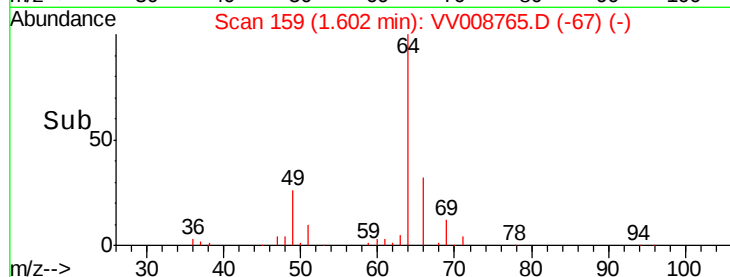
20000

10000

0

Time-->

1.55 1.60 1.65 1.70



#9

Trichlorofluoromethane

Concen: 10.079 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV008765.D

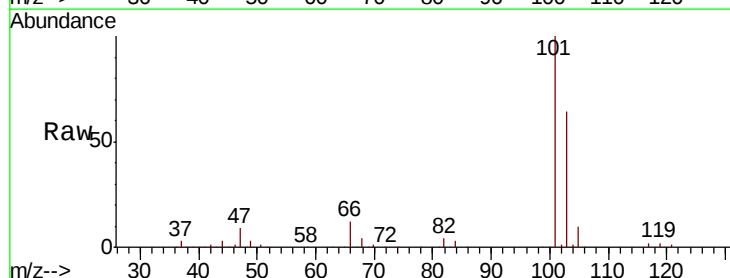
Acq: 29 Nov 2018 15:44

Tgt Ion: 101 Resp: 160139

Ion Ratio Lower Upper

101 100

103 64.3 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VV008764.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV008764.D (-202) (-)

1.77

150000

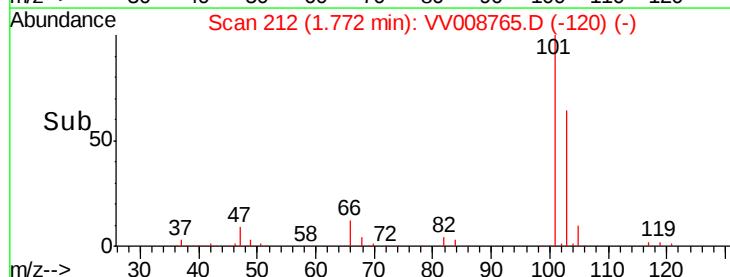
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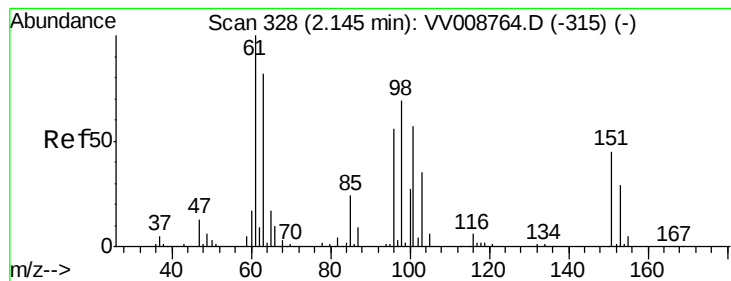
50000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 9.397 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008765.D

Acq: 29 Nov 2018 15:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

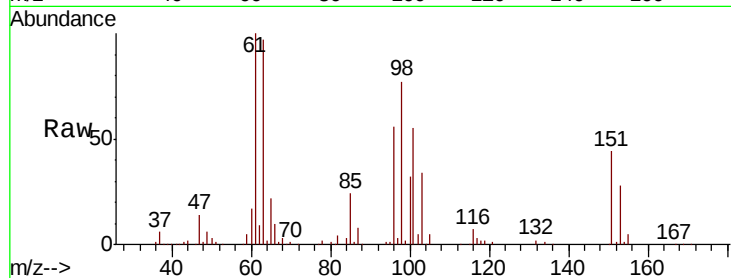
Tgt Ion: 101 Resp: 88053

Ion Ratio Lower Upper

101 100

85 43.5 33.1 49.7

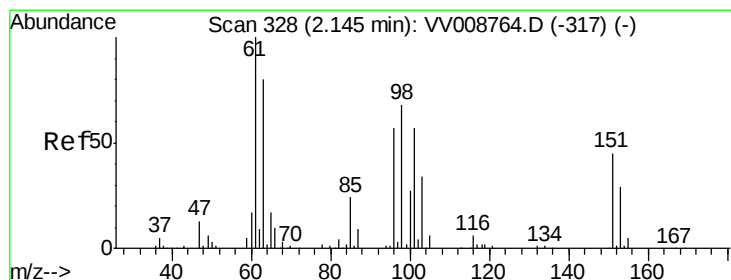
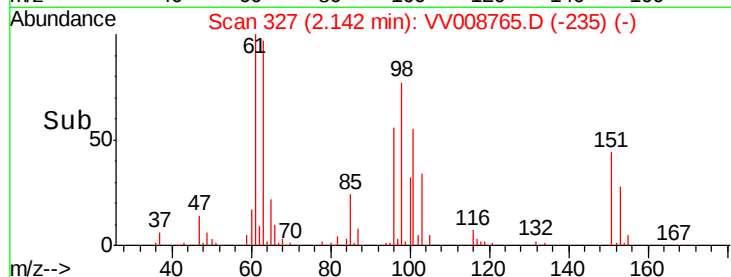
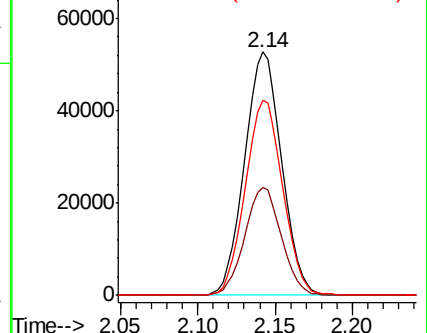
151 80.9 63.8 95.8



Abundance Ion 101.00 (100.70 to 101.70): VV008764.D (-315) (-)

Ion 85.00 (84.70 to 85.70): VV008764.D (-315) (-)

Ion 151.00 (150.70 to 151.70): VV008764.D (-315) (-)



#12

1,1-Dichloroethene

Concen: 9.406 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008765.D

Acq: 29 Nov 2018 15:44

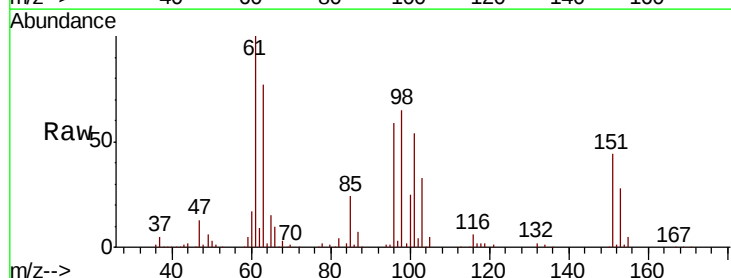
Tgt Ion: 96 Resp: 78502

Ion Ratio Lower Upper

96 100

61 170.0 124.3 230.8

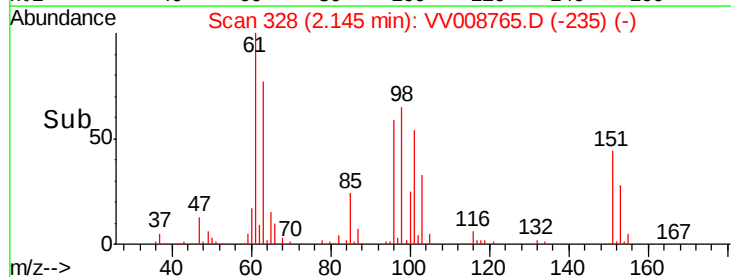
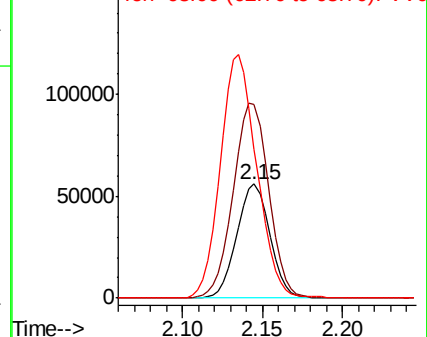
63 130.4 102.6 190.5

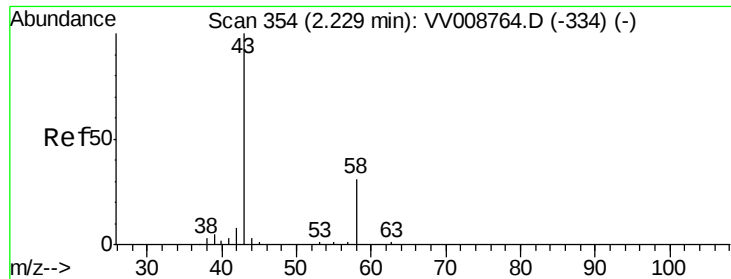


Abundance Ion 96.00 (95.70 to 96.70): VV008765.D (-235) (-)

Ion 61.05 (60.75 to 61.75): VV008765.D (-235) (-)

Ion 63.00 (62.70 to 63.70): VV008765.D (-235) (-)





#13

Acetone

Concen: 90.413 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.00 min

Lab File: VV008765.D

Acq: 29 Nov 2018 15:44

Instrument :

MSVOA_V

ClientSampleId :

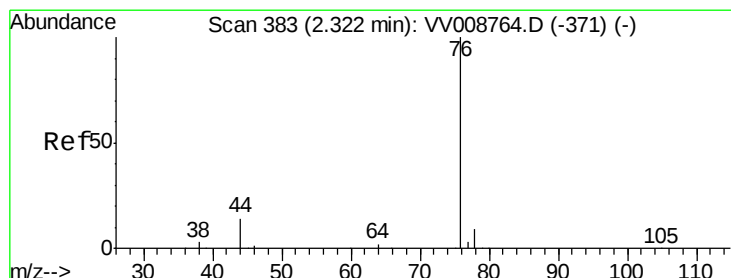
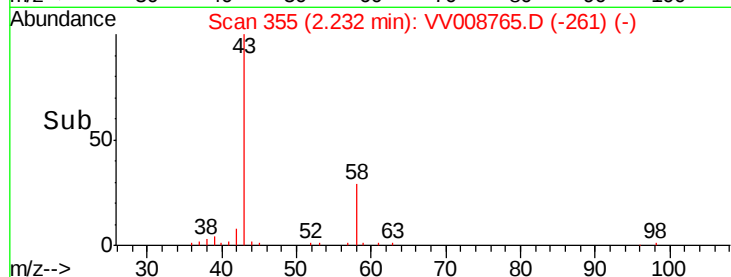
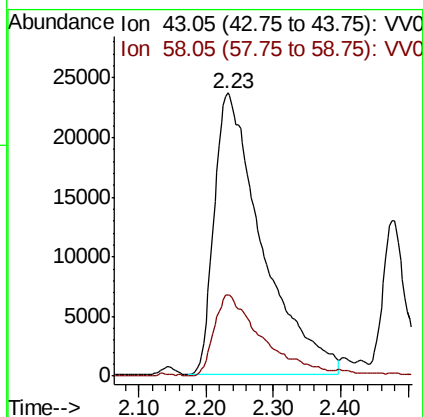
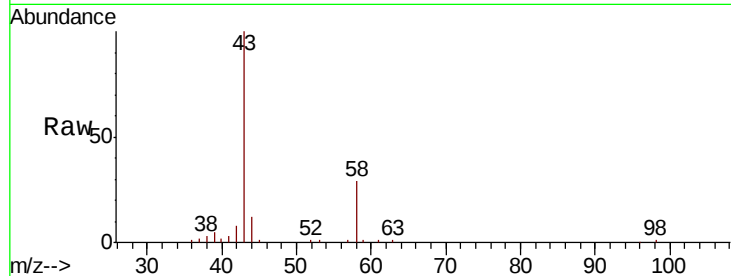
VSTD01066

Tgt Ion: 43 Resp: 117791

Ion Ratio Lower Upper

43 100

58 26.0 0.0 59.8



#14

Carbon disulfide

Concen: 9.169 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV008765.D

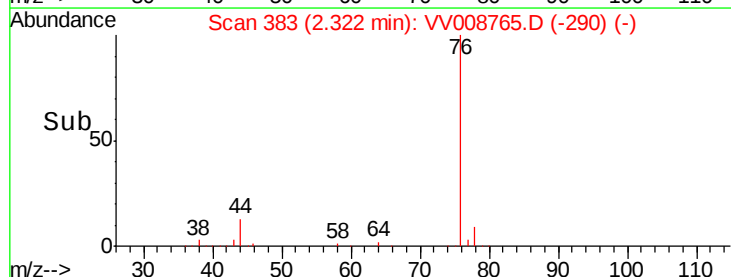
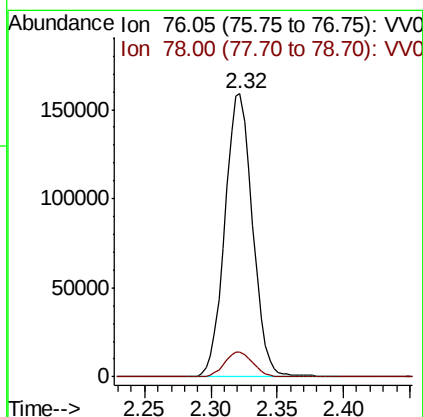
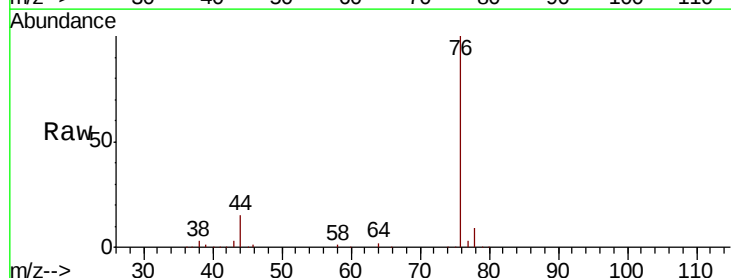
Acq: 29 Nov 2018 15:44

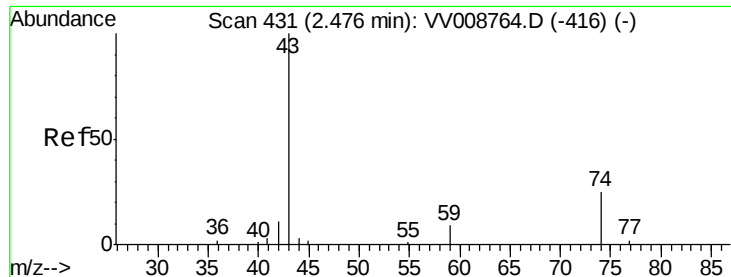
Tgt Ion: 76 Resp: 231211

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3





#15

Methyl Acetate

Concen: 9.143 ug/L

RT: 2.48 min Scan# 432

Delta R.T. 0.00 min

Lab File: VV008765.D

Acq: 29 Nov 2018 15:44

Instrument :

MSVOA_V

ClientSampleId :

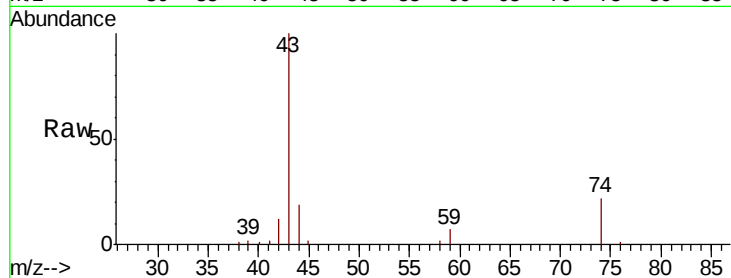
VSTD01066

Tgt Ion: 43 Resp: 30883

Ion Ratio Lower Upper

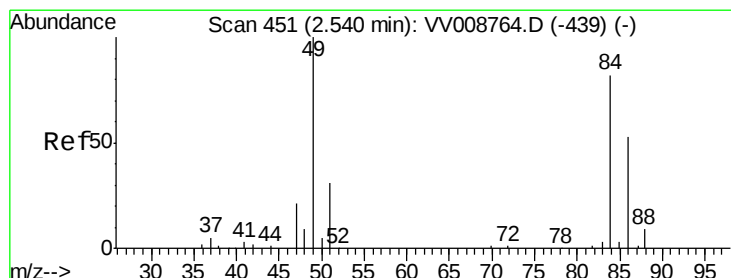
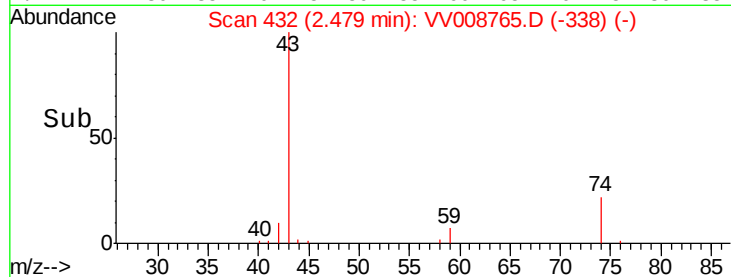
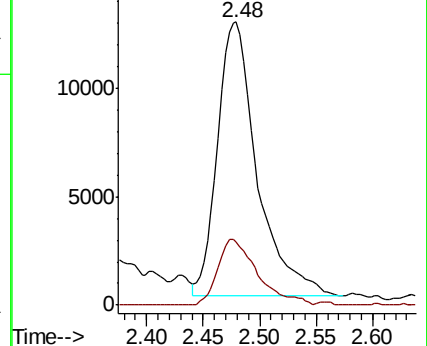
43 100

74 24.1 20.0 30.0



Abundance Ion 43.05 (42.75 to 43.75): VV008765.D (-338) (-)

Ion 74.05 (73.75 to 74.75): VV008765.D (-338) (-)



#16

Methylene chloride

Concen: 8.935 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV008765.D

Acq: 29 Nov 2018 15:44

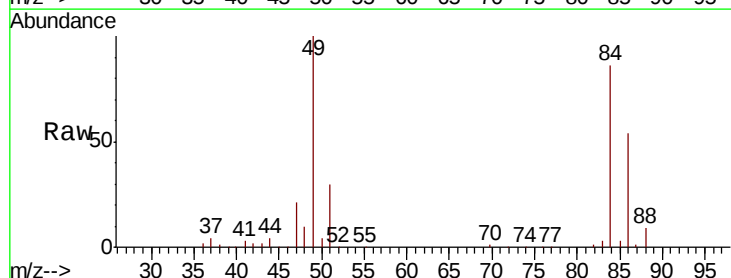
Tgt Ion: 84 Resp: 82675

Ion Ratio Lower Upper

84 100

86 62.5 45.8 85.2

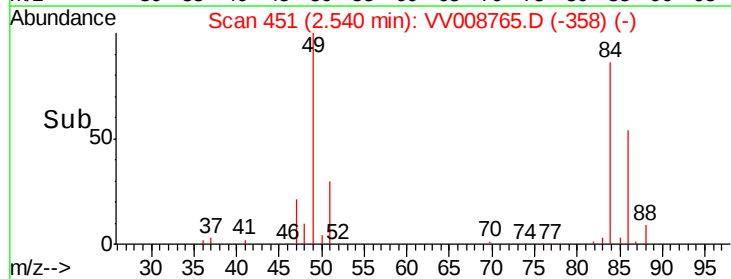
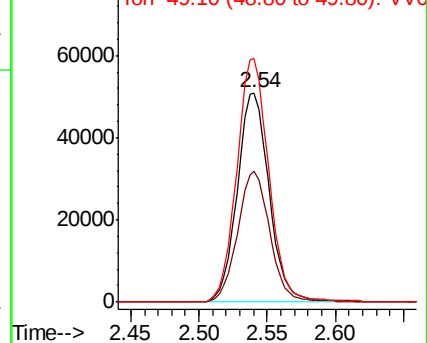
49 116.2 85.9 159.5

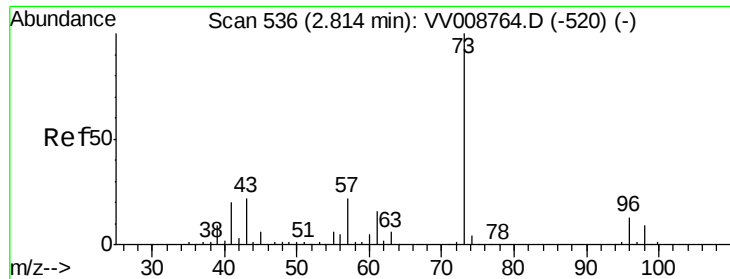


Abundance Ion 84.05 (83.75 to 84.75): VV008765.D (-358) (-)

Ion 86.00 (85.70 to 86.70): VV008765.D (-358) (-)

Ion 49.10 (48.80 to 49.80): VV008765.D (-358) (-)





#17

Methyl tert-butyl Ether

Concen: 9.836 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.00 min

Lab File: VV008765.D

Acq: 29 Nov 2018 15:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

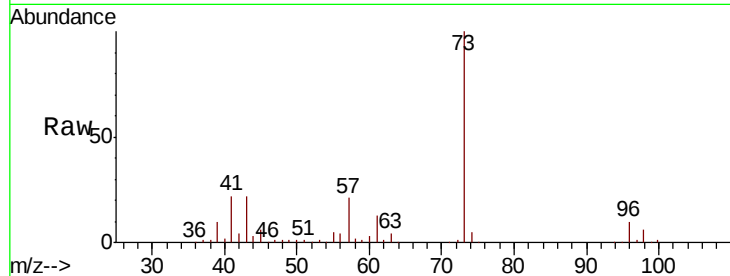
Tgt Ion: 73 Resp: 195149

Ion Ratio Lower Upper

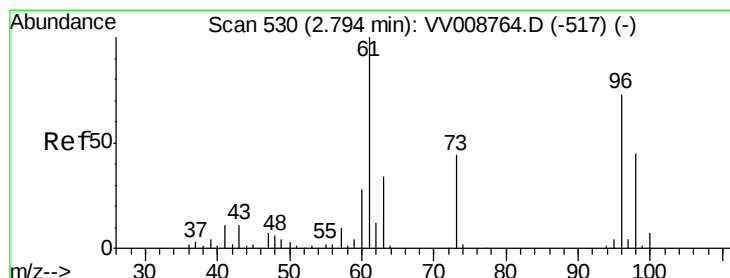
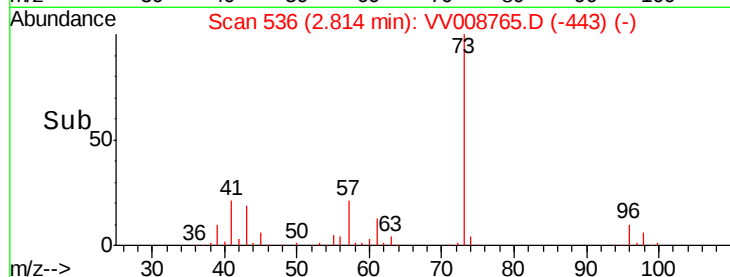
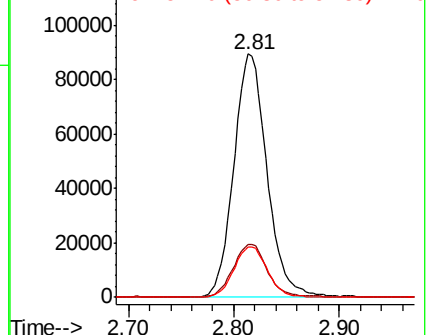
73 100

43 21.9 18.0 27.0

57 21.1 17.2 25.8



Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 9.517 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008765.D

Acq: 29 Nov 2018 15:44

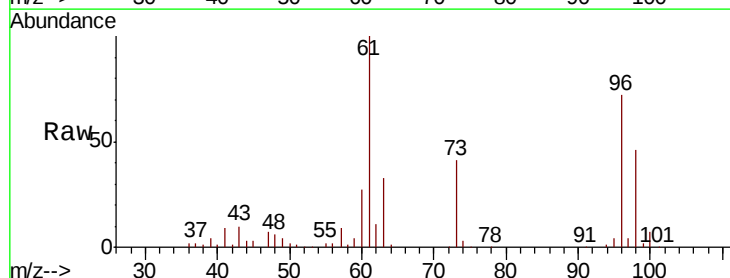
Tgt Ion: 96 Resp: 85264

Ion Ratio Lower Upper

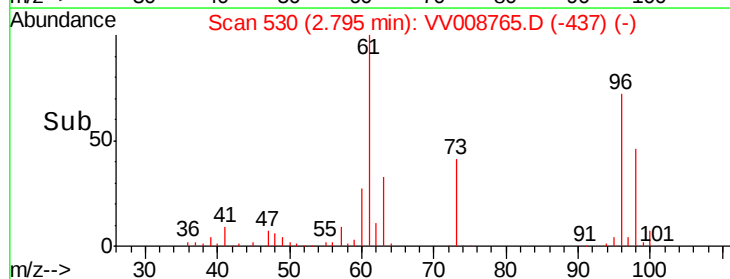
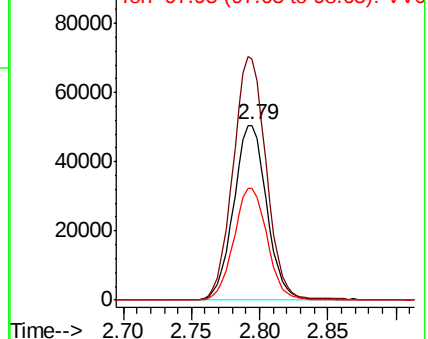
96 100

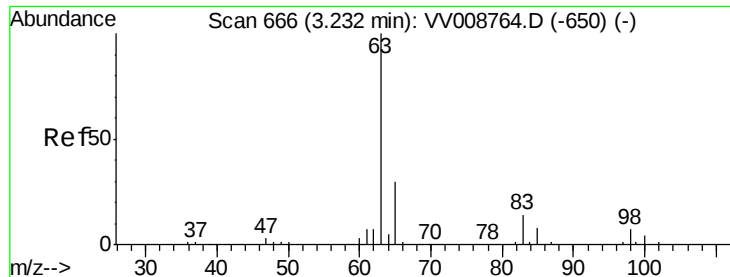
61 138.0 95.8 177.8

98 63.8 43.3 80.3



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

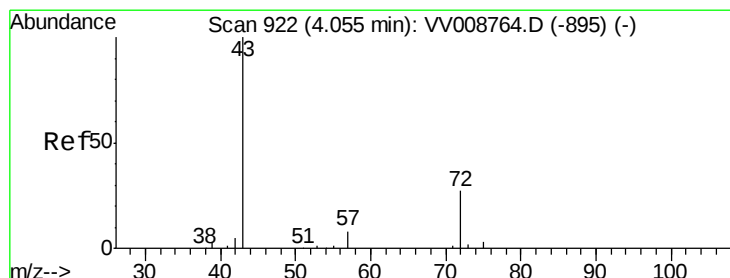
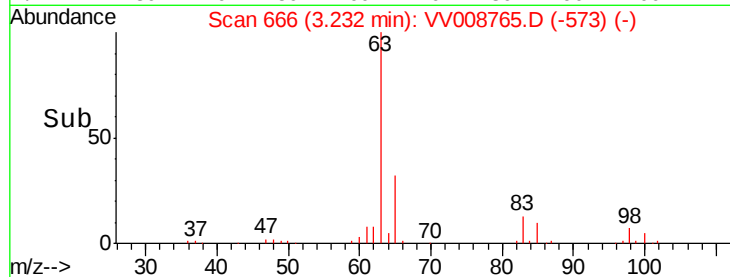
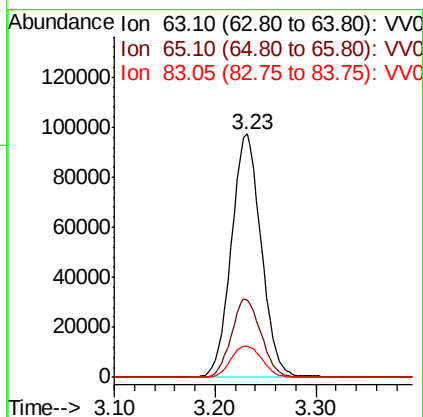
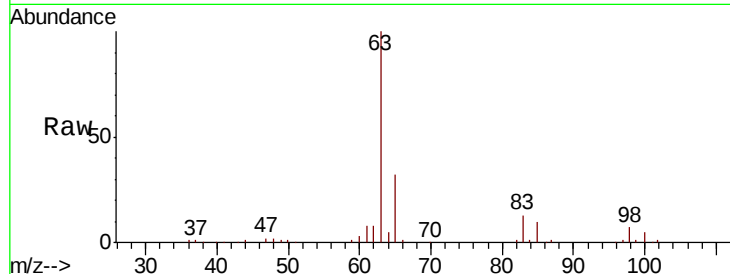




#19
 1,1-Dichloroethane
 Concen: 9.849 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008765.D
 Acq: 29 Nov 2018 15:44

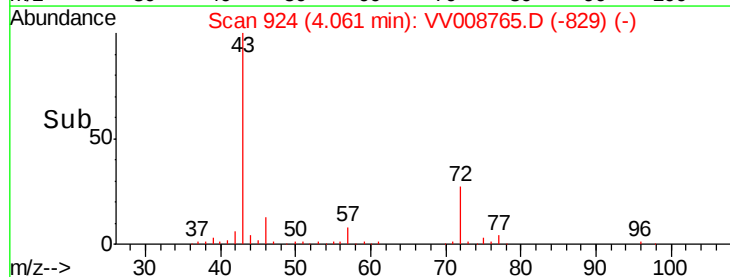
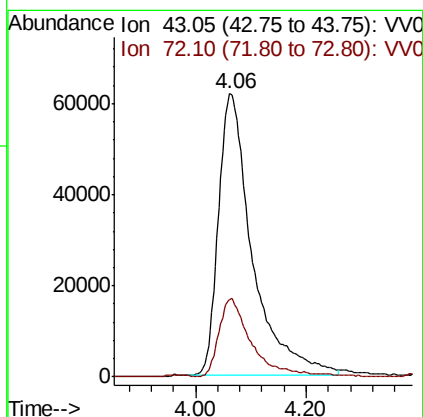
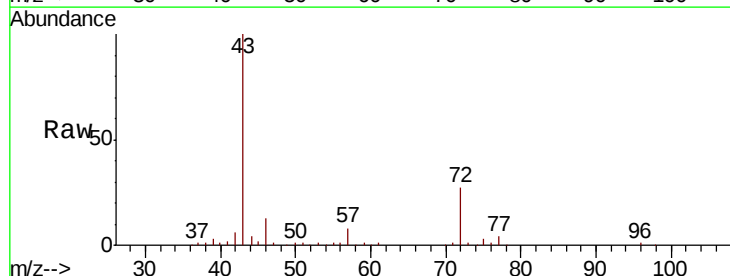
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

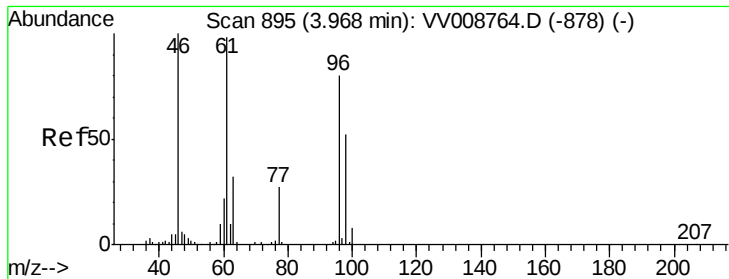
Tgt Ion: 63 Resp: 200264
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.3 39.6
 83 12.7 9.9 18.5



#21
 2-Butanone
 Concen: 99.524 ug/L
 RT: 4.06 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VV008765.D
 Acq: 29 Nov 2018 15:44

Tgt Ion: 43 Resp: 263064
 Ion Ratio Lower Upper
 43 100
 72 25.6 13.6 40.8



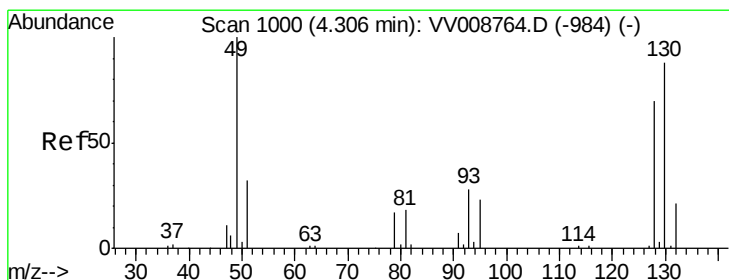
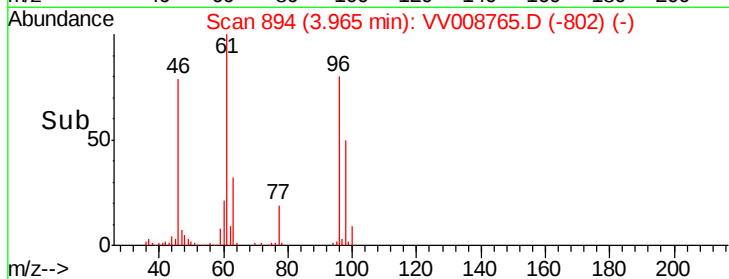
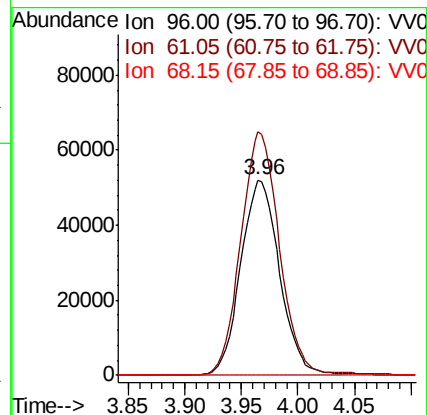
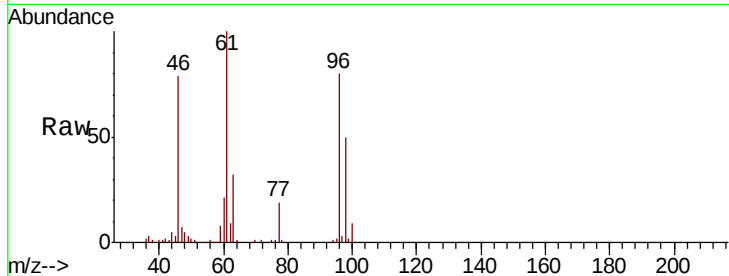


#22

cis-1,2-Dichloroethene
 Concen: 9.921 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VV008765.D
 Acq: 29 Nov 2018 15:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

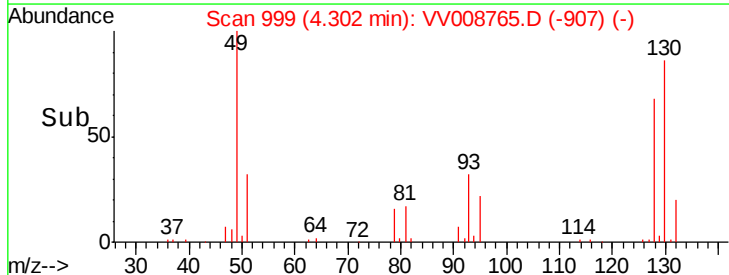
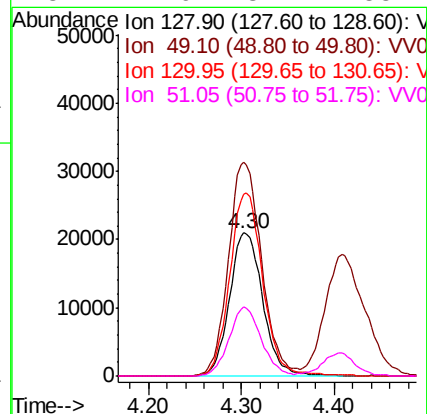
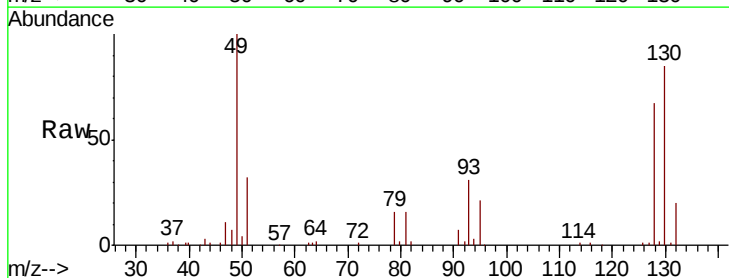
Tgt Ion: 96 Resp: 124226
 Ion Ratio Lower Upper
 96 100
 61 124.6 85.9 159.5
 68 0.0 0.0 0.0

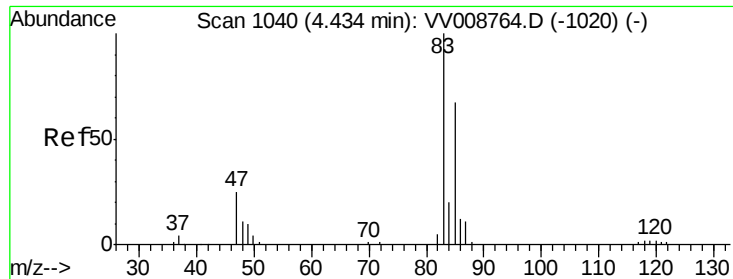


#23

Bromochloromethane
 Concen: 10.086 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VV008765.D
 Acq: 29 Nov 2018 15:44

Tgt Ion: 128 Resp: 52100
 Ion Ratio Lower Upper
 128 100
 49 149.2 100.4 186.4
 130 127.3 88.5 164.4
 51 47.9 37.1 55.7

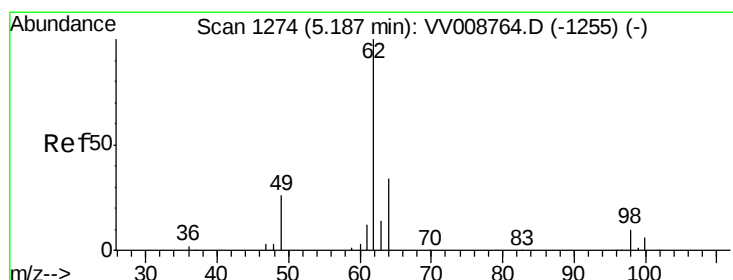
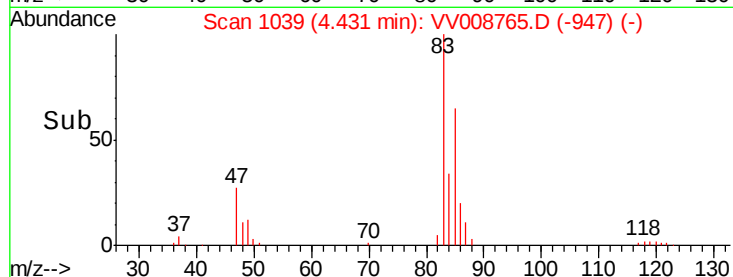
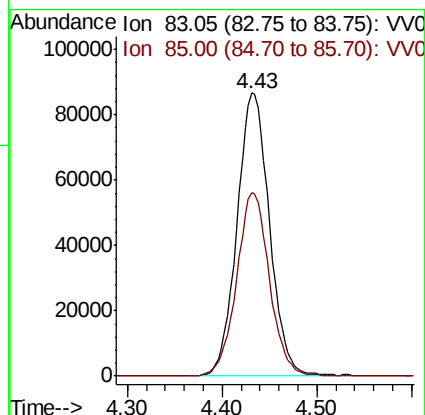
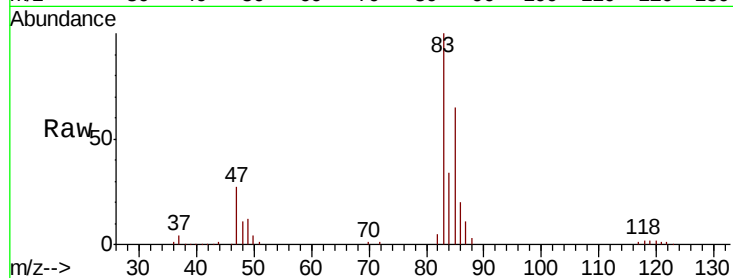




#25
Chloroform
Concen: 9.560 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV008765.D
Acq: 29 Nov 2018 15:44

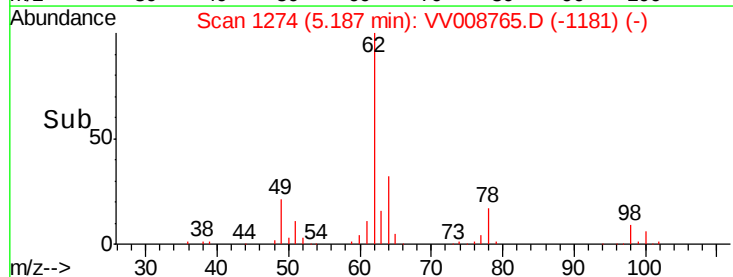
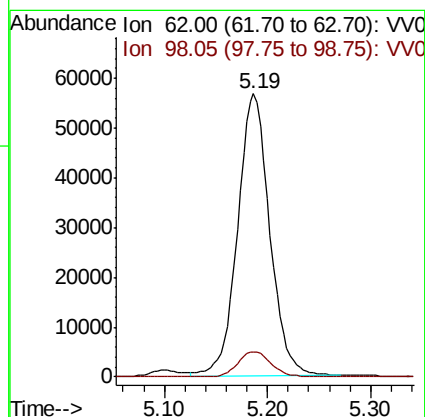
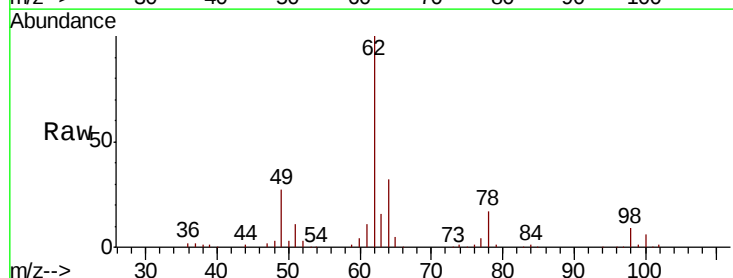
Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

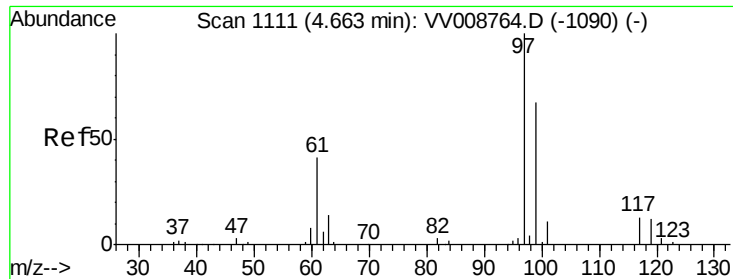
Tgt Ion: 83 Resp: 206786
Ion Ratio Lower Upper
83 100
85 65.0 47.0 87.4



#27
1,2-Dichloroethane
Concen: 10.030 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008765.D
Acq: 29 Nov 2018 15:44

Tgt Ion: 62 Resp: 123123
Ion Ratio Lower Upper
62 100
98 8.9 7.7 11.5

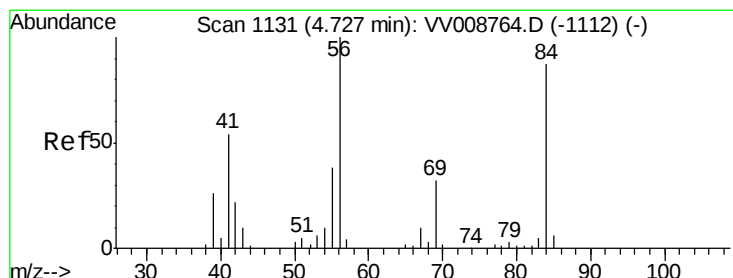
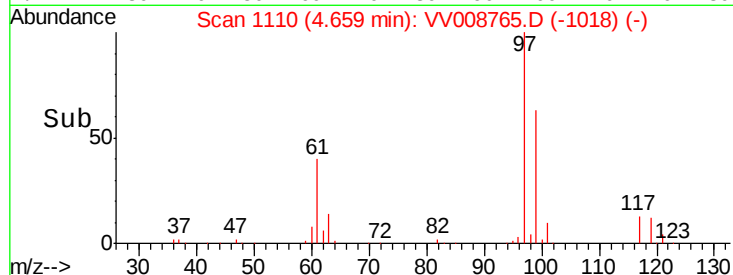
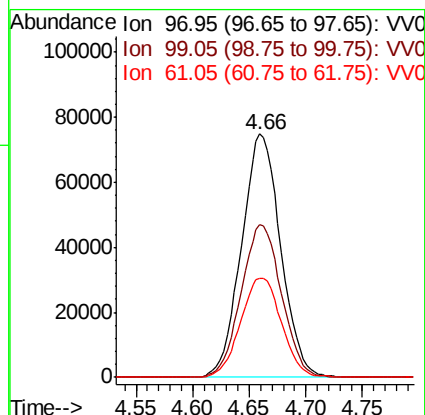
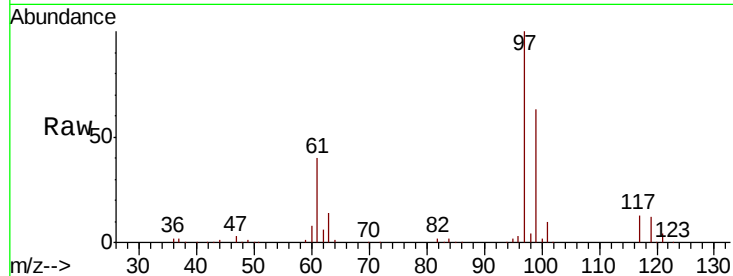




#29
 1,1,1-Trichloroethane
 Concen: 9.911 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV008765.D
 Acq: 29 Nov 2018 15:44

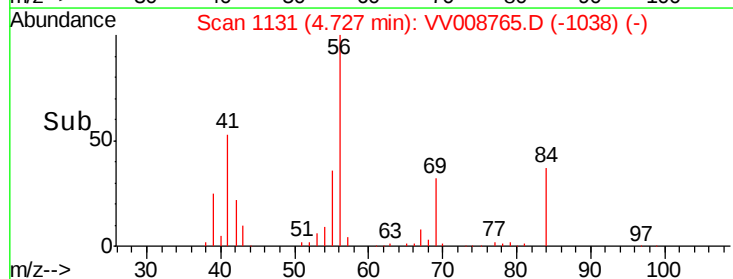
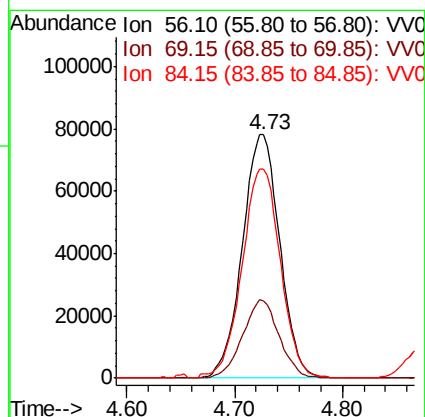
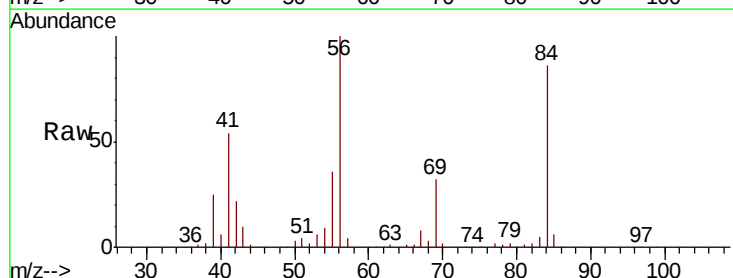
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

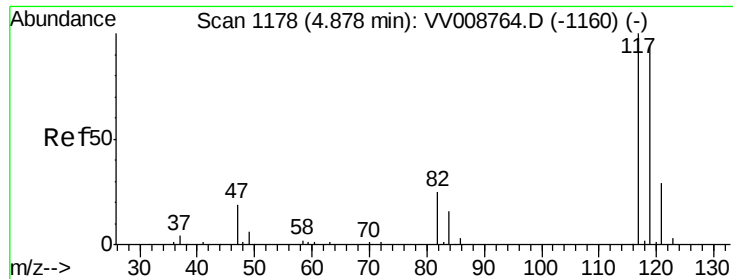
Tgt Ion: 97 Resp: 179830
 Ion Ratio Lower Upper
 97 100
 99 64.7 52.1 78.1
 61 42.8 33.9 50.9



#30
 Cyclohexane
 Concen: 9.751 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV008765.D
 Acq: 29 Nov 2018 15:44

Tgt Ion: 56 Resp: 188336
 Ion Ratio Lower Upper
 56 100
 69 31.3 25.1 37.7
 84 88.4 70.8 106.2

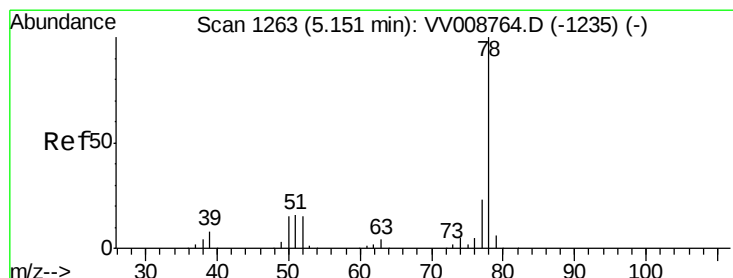
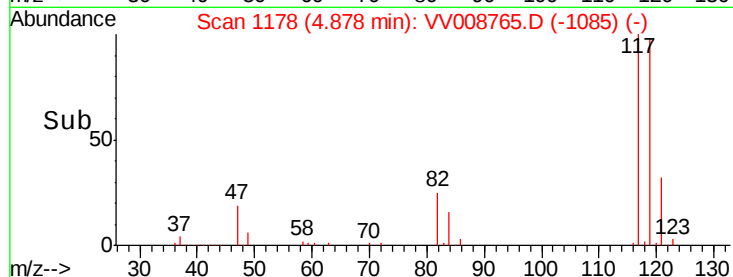
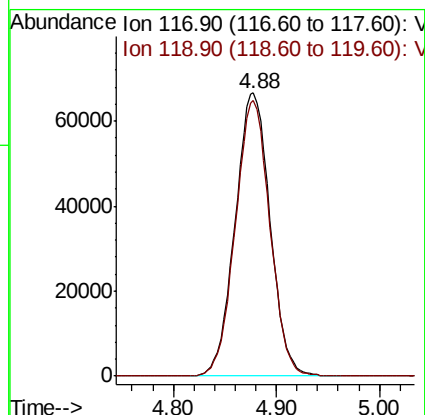
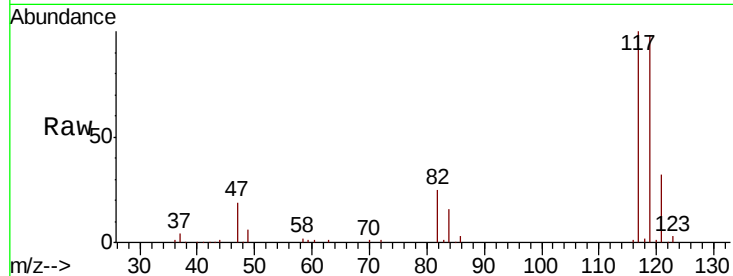




#31
Carbon tetrachloride
Concen: 10.262 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VV008765.D
Acq: 29 Nov 2018 15:44

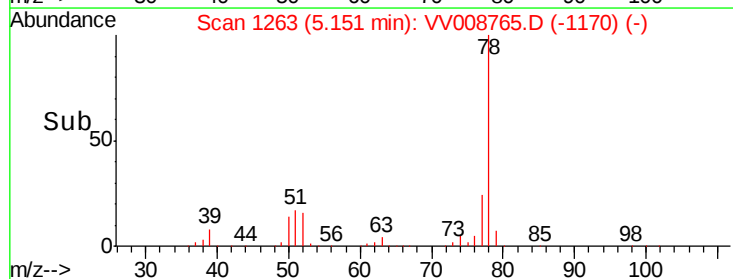
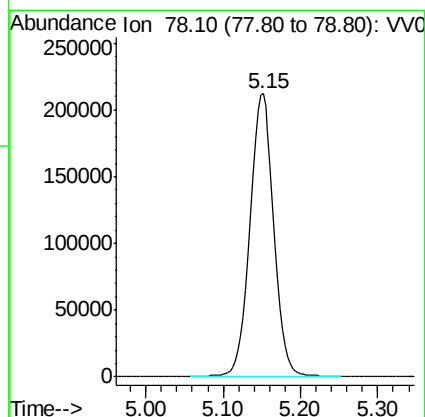
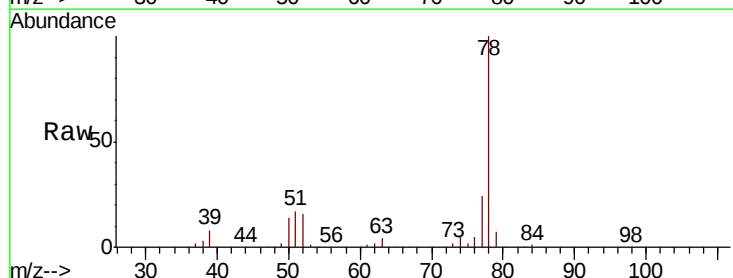
Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

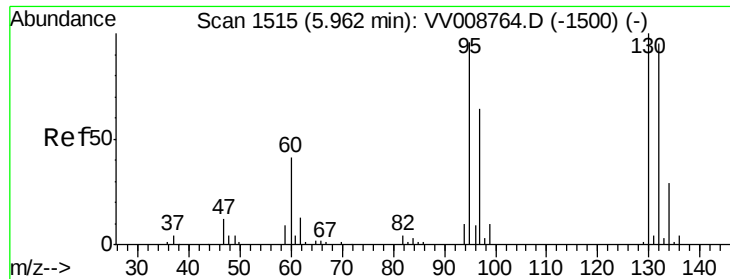
Tgt Ion:117 Resp: 157117
Ion Ratio Lower Upper
117 100
119 96.2 77.7 116.5



#33
Benzene
Concen: 9.749 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV008765.D
Acq: 29 Nov 2018 15:44

Tgt Ion: 78 Resp: 459682





#34

Trichloroethene

Concen: 9.837 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008765.D

Acq: 29 Nov 2018 15:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

Tgt Ion: 95 Resp: 127328

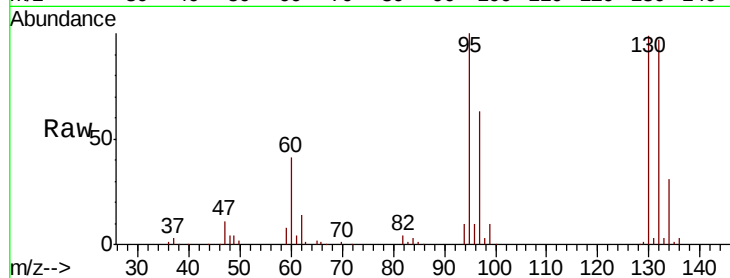
Ion Ratio Lower Upper

95 100

97 63.2 46.5 86.3

132 97.4 69.4 128.8

130 99.0 73.1 135.8

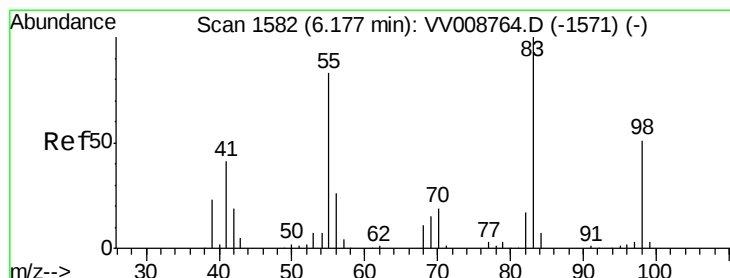
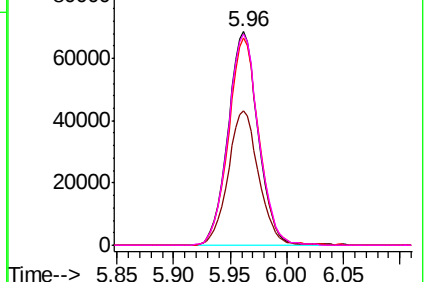
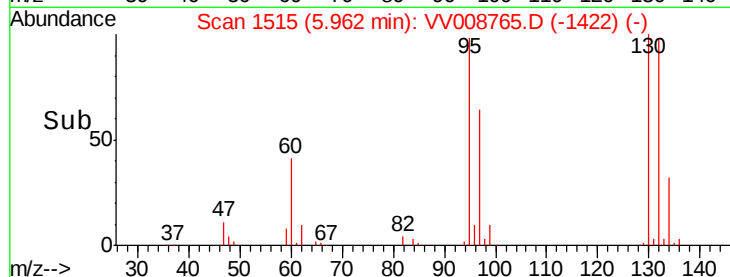


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 10.078 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV008765.D

Acq: 29 Nov 2018 15:44

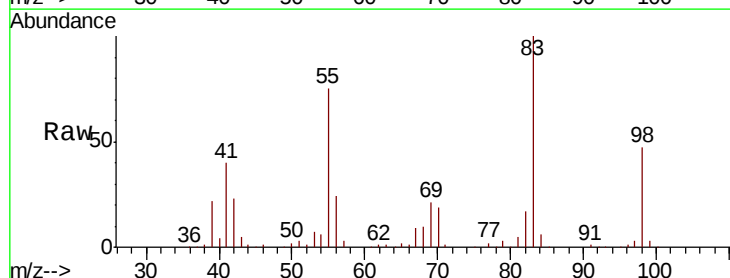
Tgt Ion: 83 Resp: 207809

Ion Ratio Lower Upper

83 100

55 74.6 60.1 90.1

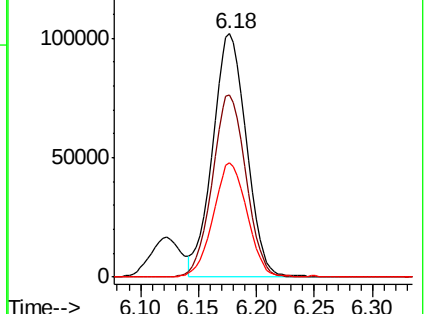
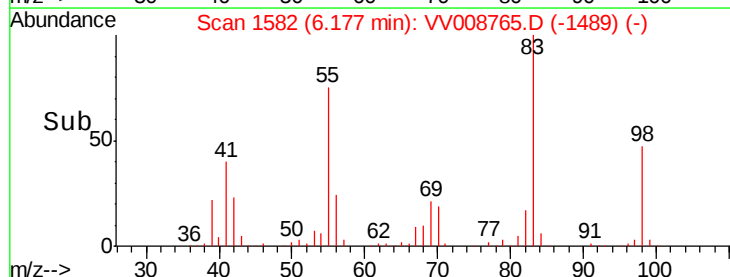
98 46.4 37.4 56.2

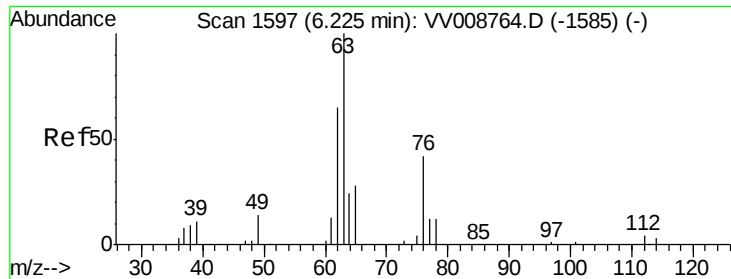


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

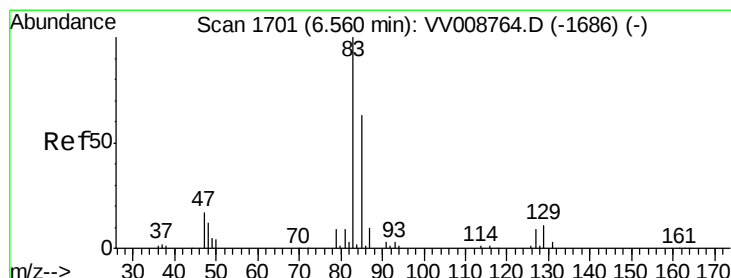
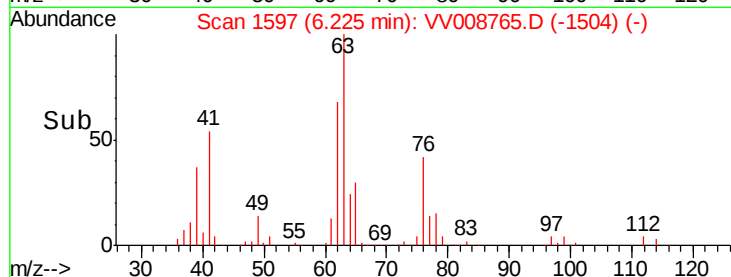
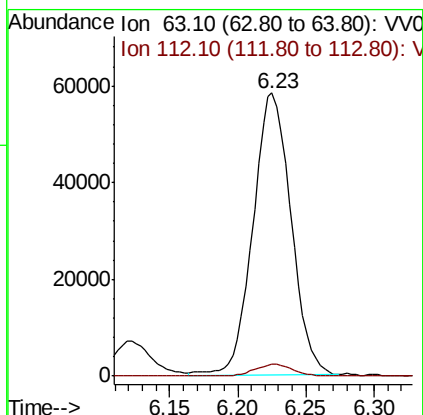
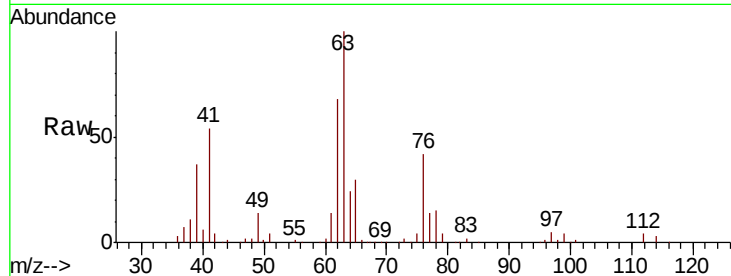




#37
 1,2-Dichloropropane
 Concen: 9.642 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV008765.D
 Acq: 29 Nov 2018 15:44

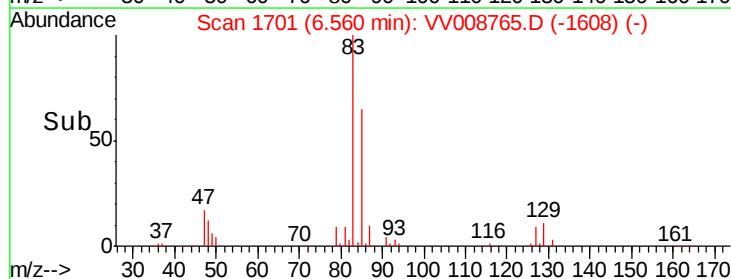
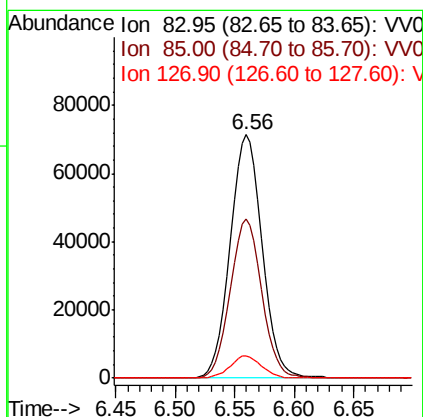
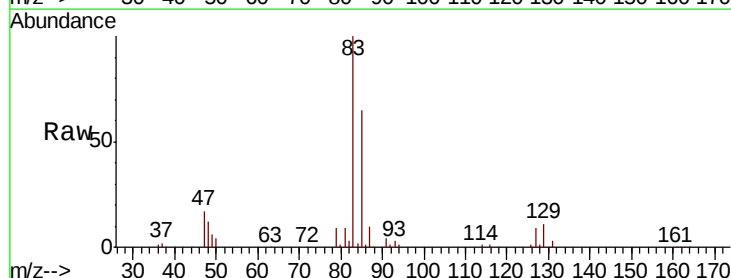
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

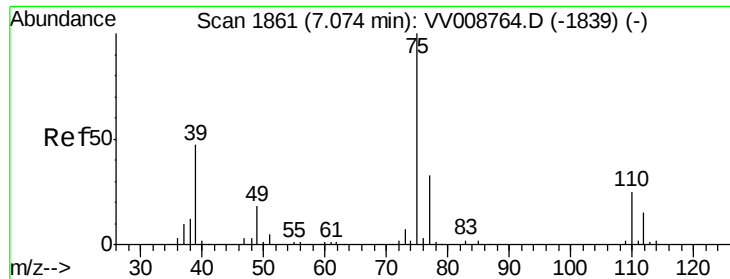
Tgt Ion: 63 Resp: 112488
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#38
 Bromodichloromethane
 Concen: 10.019 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008765.D
 Acq: 29 Nov 2018 15:44

Tgt Ion: 83 Resp: 133367
 Ion Ratio Lower Upper
 83 100
 85 65.2 44.4 82.4
 127 9.1 6.9 10.3

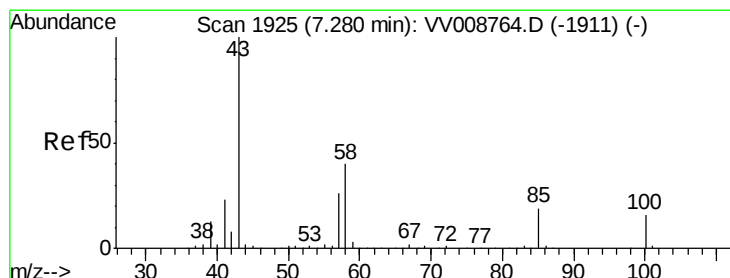
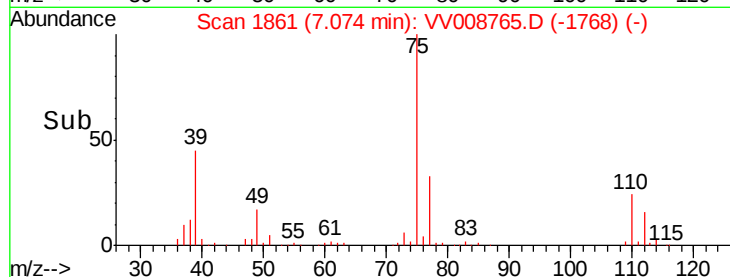
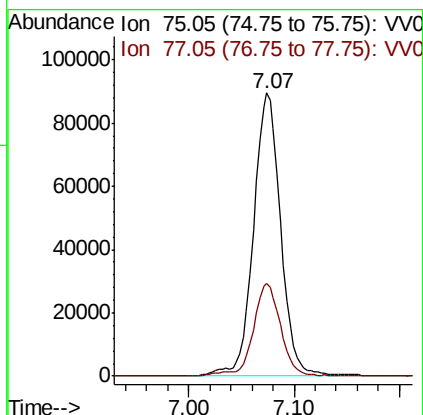
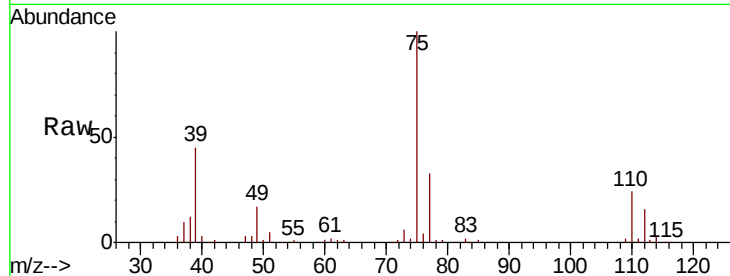




#39
 cis-1,3-Dichloropropene
 Concen: 10.352 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008765.D
 Acq: 29 Nov 2018 15:44

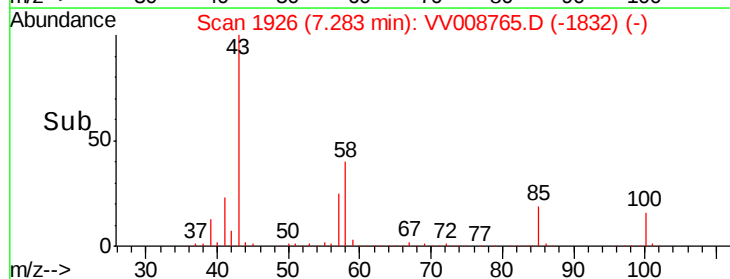
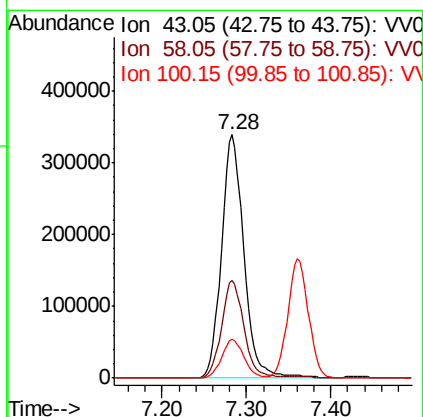
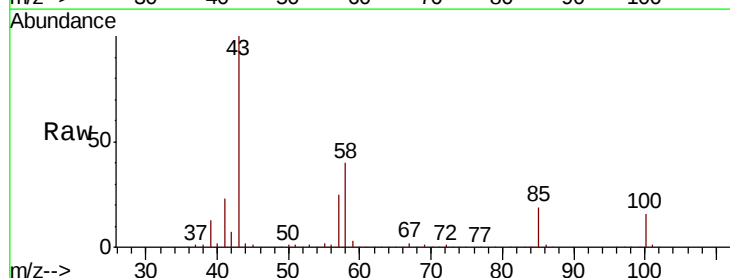
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

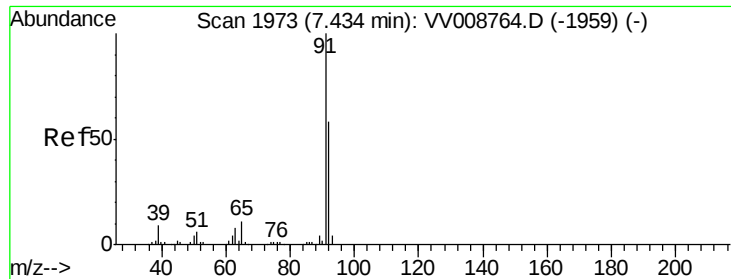
Tgt Ion: 75 Resp: 160992
 Ion Ratio Lower Upper
 75 100
 77 32.9 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 102.147 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV008765.D
 Acq: 29 Nov 2018 15:44

Tgt Ion: 43 Resp: 625656
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.3 46.9
 100 15.9 12.6 19.0





#42

Toluene

Concen: 10.122 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008765.D

Acq: 29 Nov 2018 15:44

Instrument :

MSVOA_V

ClientSampleId :

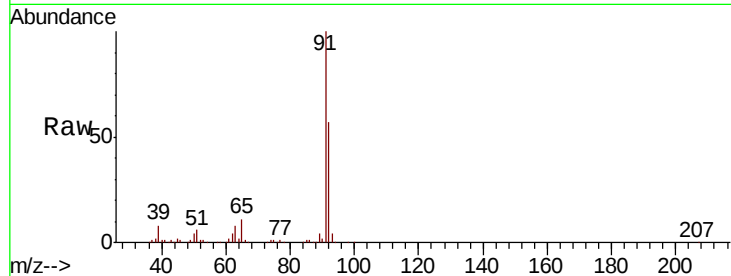
VSTD01066

Tgt Ion: 91 Resp: 493497

Ion Ratio Lower Upper

91 100

92 57.4 40.5 75.3



Abundance Ion 91.15 (90.85 to 91.85): VV008764.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV008765.D (-1880) (-)

7.43

300000

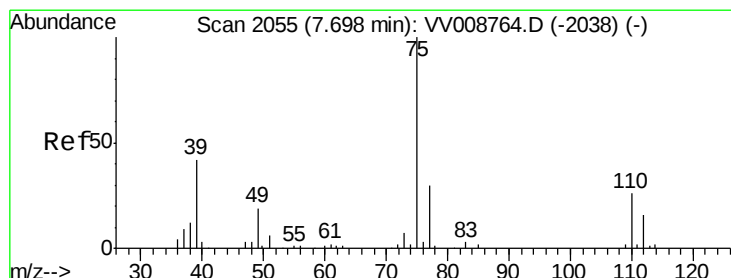
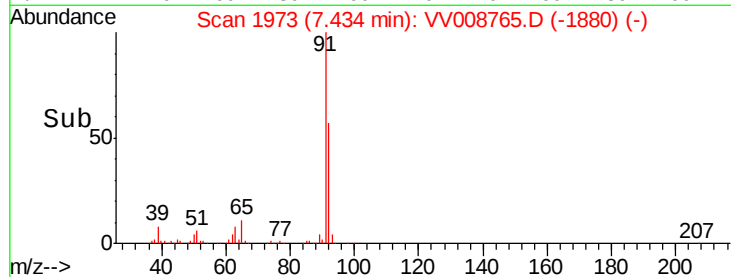
200000

100000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.429 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008765.D

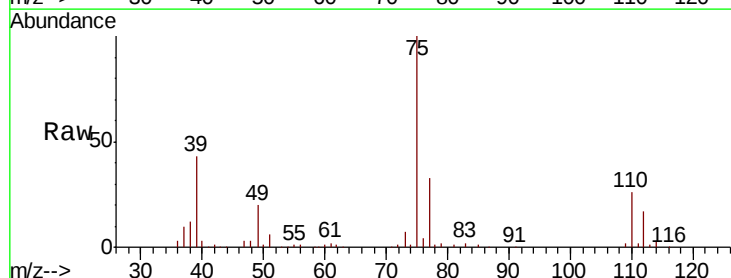
Acq: 29 Nov 2018 15:44

Tgt Ion: 75 Resp: 126874

Ion Ratio Lower Upper

75 100

77 33.2 21.3 39.5



Abundance Ion 75.05 (74.75 to 75.75): VV008764.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV008765.D (-1962) (-)

7.70

80000

60000

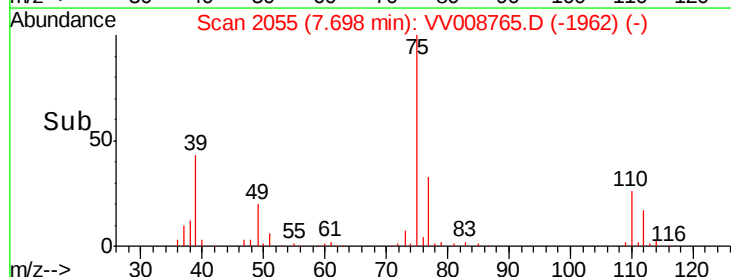
40000

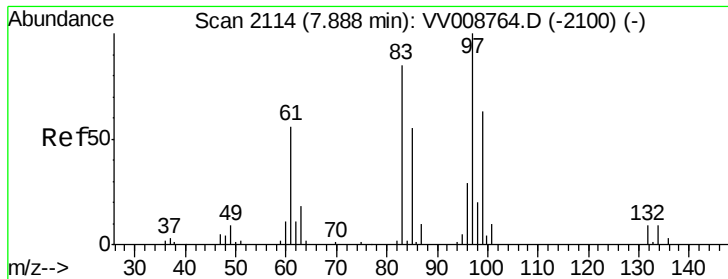
20000

0

7.60 7.65 7.70 7.75 7.80

Time-->

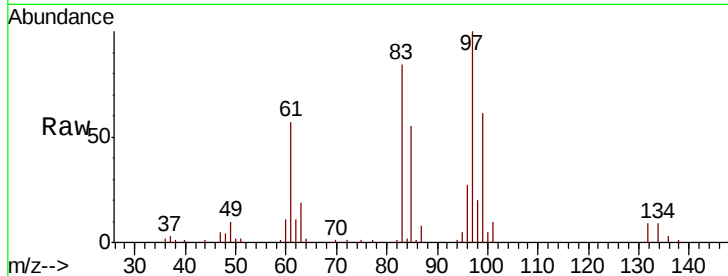




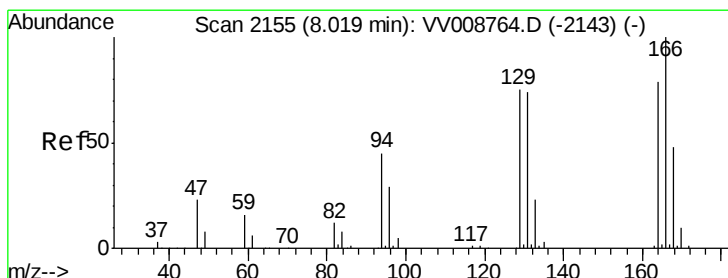
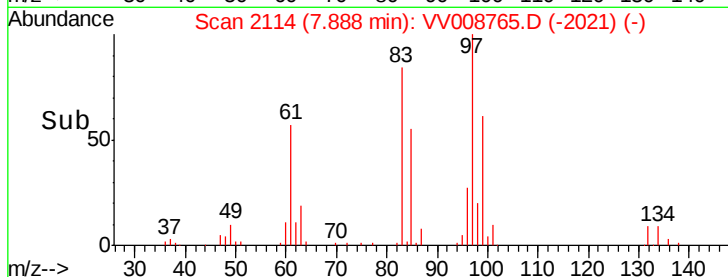
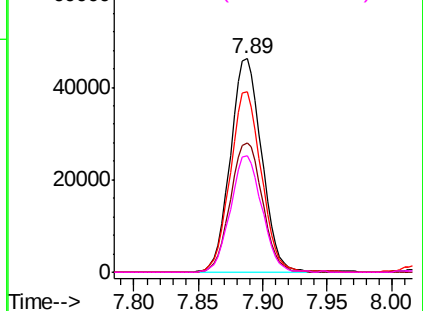
#45
 1,1,2-Trichloroethane
 Concen: 10.001 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008765.D
 Acq: 29 Nov 2018 15:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

Tgt Ion:	97	Resp:	78238
Ion	Ratio	Lower	Upper
97	100		
99	60.6	44.2	82.2
83	84.3	59.6	110.6
85	54.7	38.8	72.0

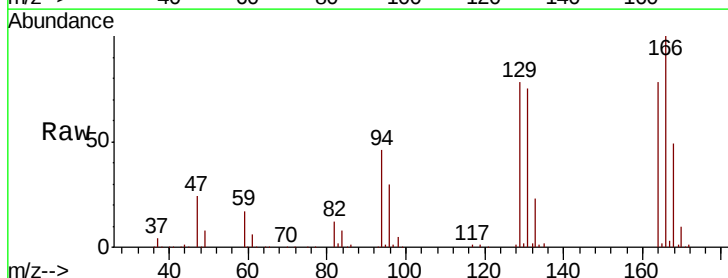


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

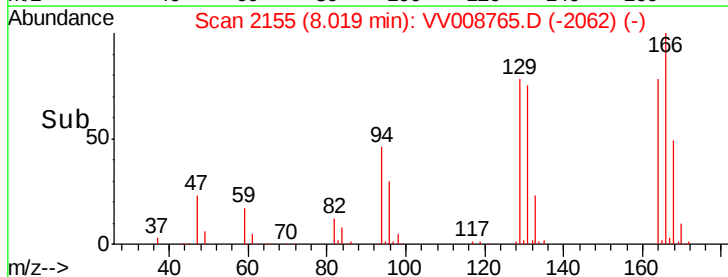
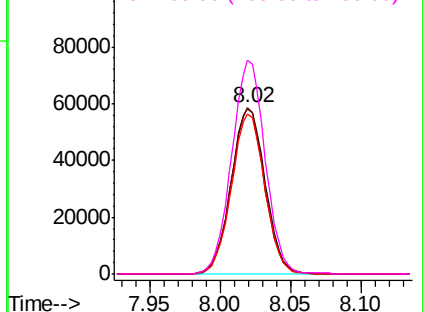


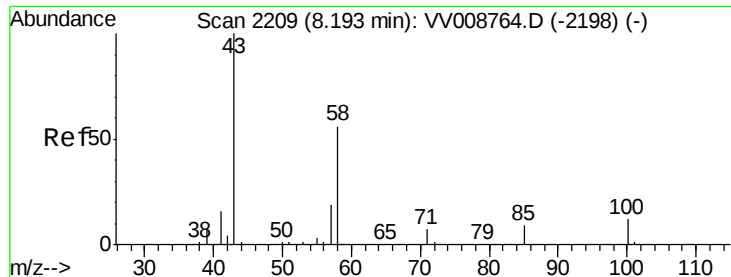
#47
 Tetrachloroethene
 Concen: 10.097 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV008765.D
 Acq: 29 Nov 2018 15:44

Tgt Ion:	164	Resp:	98851
Ion	Ratio	Lower	Upper
164	100		
129	100.7	67.5	125.3
131	96.9	65.9	122.5
166	128.9	89.2	165.6



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

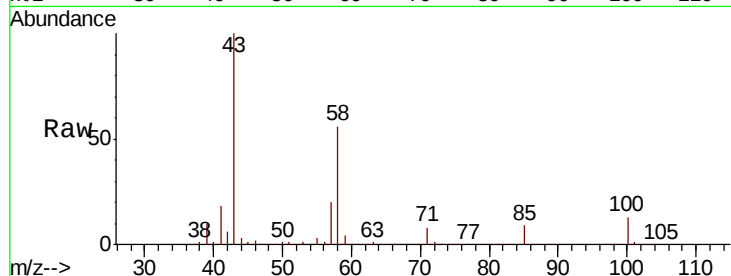




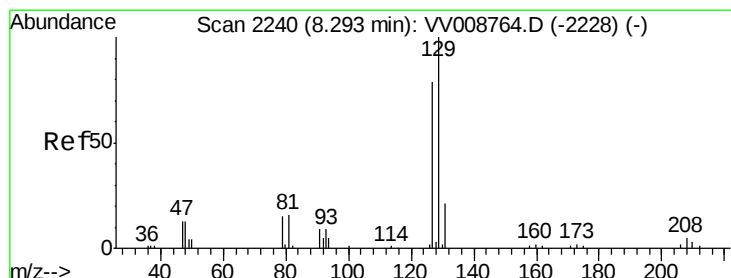
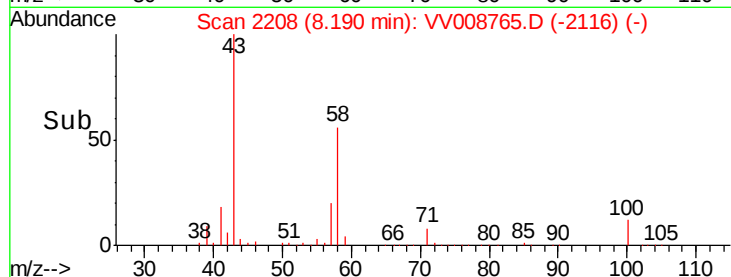
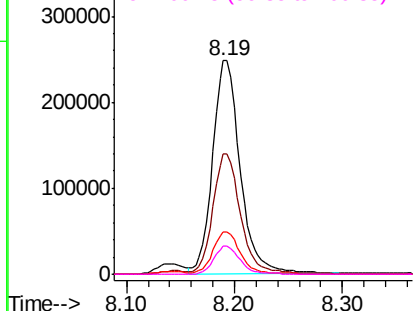
#48
2-Hexanone
Concen: 102.973 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV008765.D
Acq: 29 Nov 2018 15:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

Tgt Ion: 43 Resp: 439164
Ion Ratio Lower Upper
43 100
58 56.8 44.5 66.7
57 19.9 15.2 22.8
100 12.8 9.6 14.4

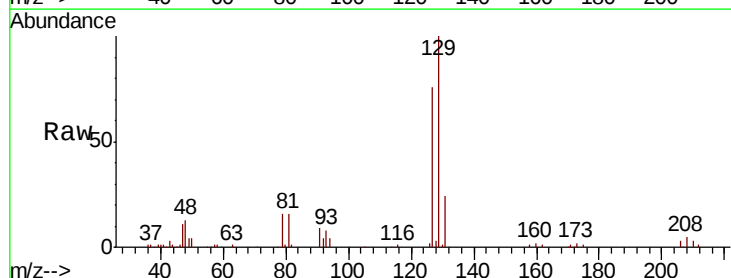


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

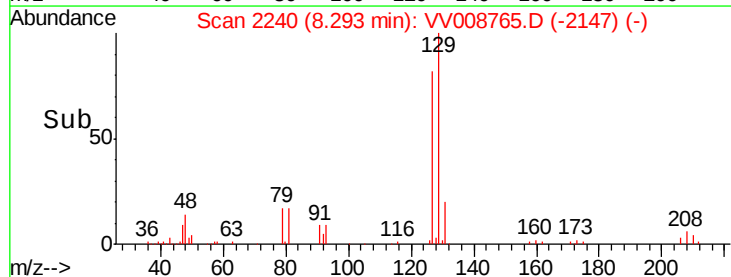
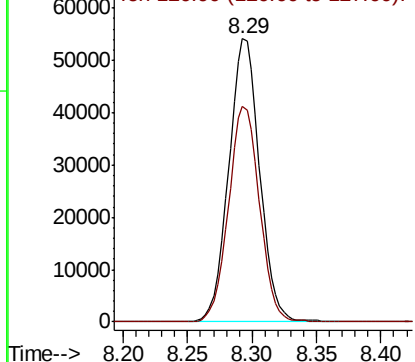


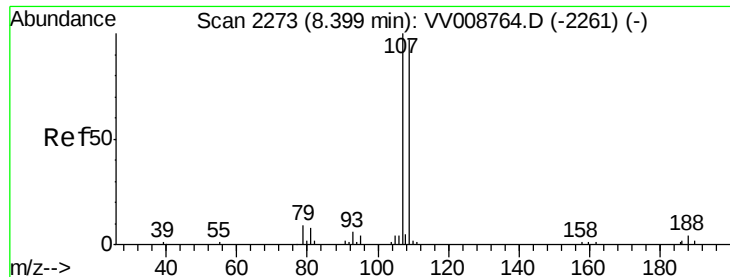
#49
Dibromochloromethane
Concen: 10.851 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008765.D
Acq: 29 Nov 2018 15:44

Tgt Ion: 129 Resp: 89968
Ion Ratio Lower Upper
129 100
127 76.3 55.3 102.7



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

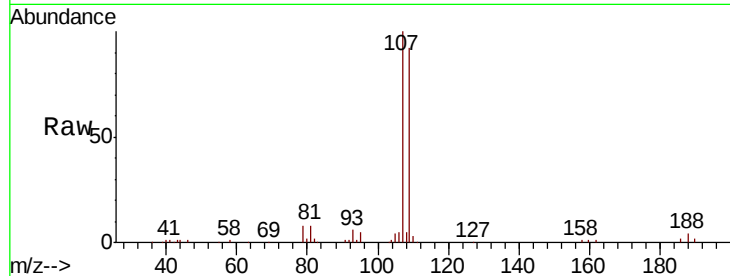




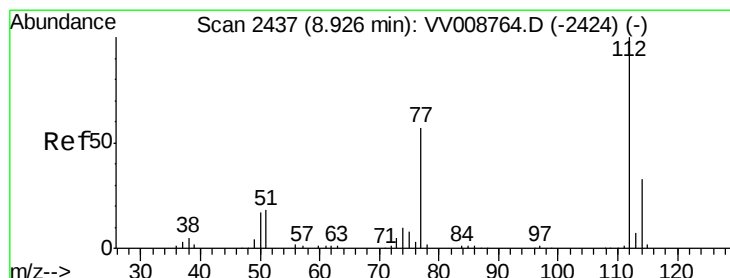
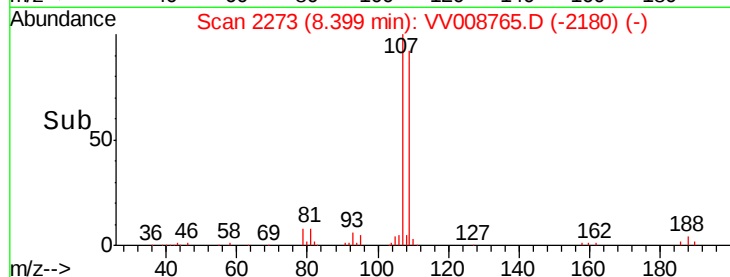
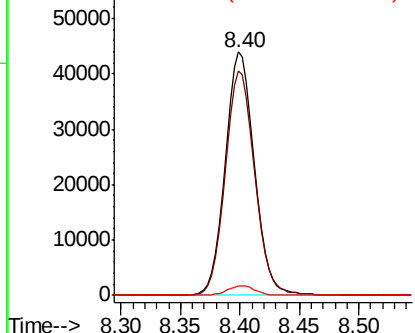
#50
1,2-Dibromoethane
Concen: 10.619 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008765.D
Acq: 29 Nov 2018 15:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

Tgt Ion:107 Resp: 74594
Ion Ratio Lower Upper
107 100
109 92.4 67.8 126.0
188 3.6 3.1 4.7

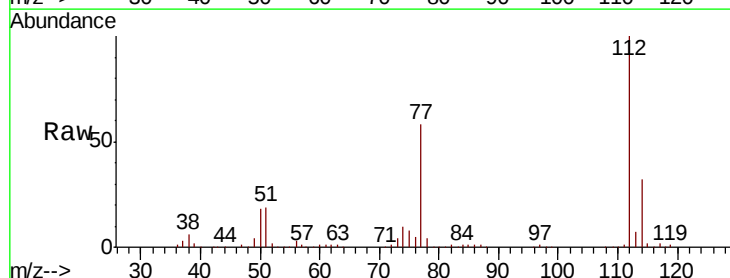


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

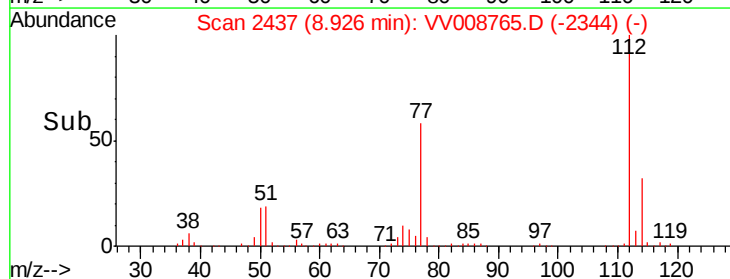
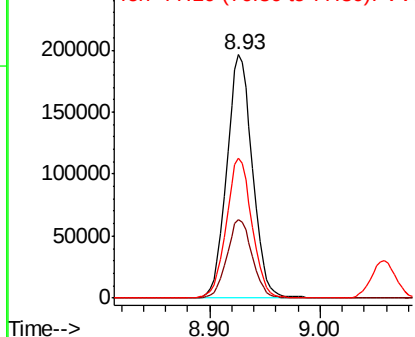


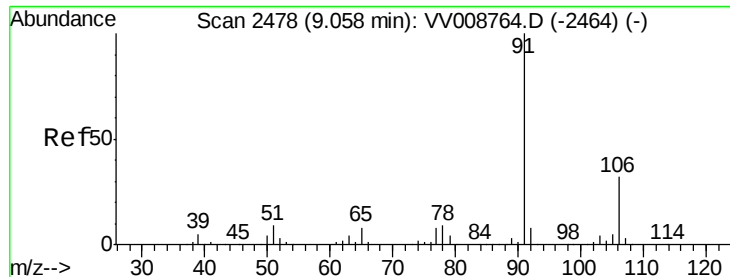
#51
Chlorobenzene
Concen: 8.968 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008765.D
Acq: 29 Nov 2018 15:44

Tgt Ion:112 Resp: 316066
Ion Ratio Lower Upper
112 100
114 32.5 22.8 42.4
77 57.7 46.2 69.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 10.156 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008765.D

Acq: 29 Nov 2018 15:44

Instrument :

MSVOA_V

ClientSampleId :

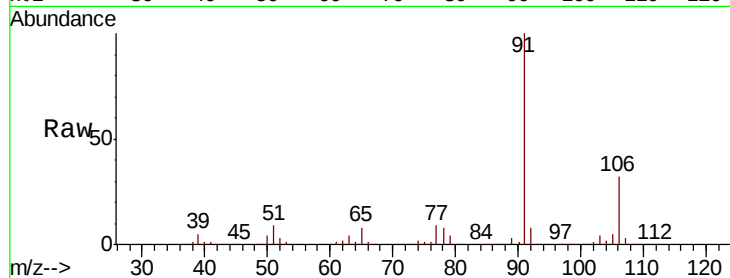
VSTD01066

Tgt Ion: 91 Resp: 538893

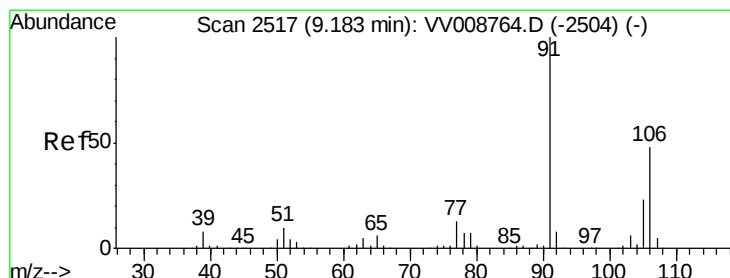
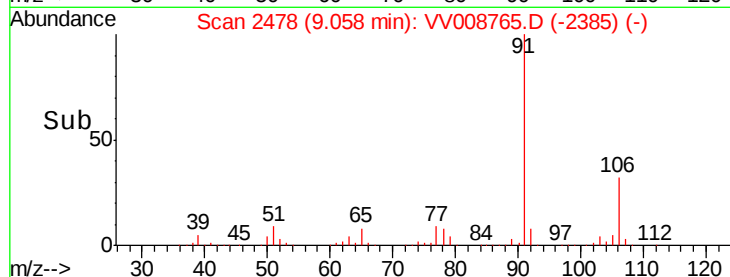
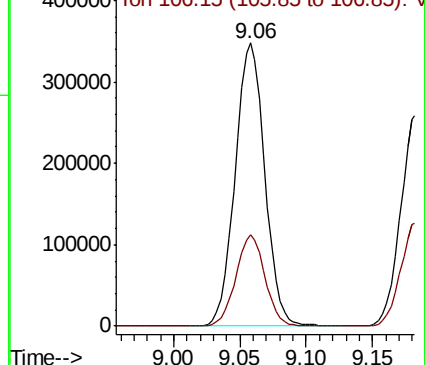
Ion Ratio Lower Upper

91 100

106 32.1 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VV008765.D (-2464) (-)



#53

m,p-xylene

Concen: 10.331 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008765.D

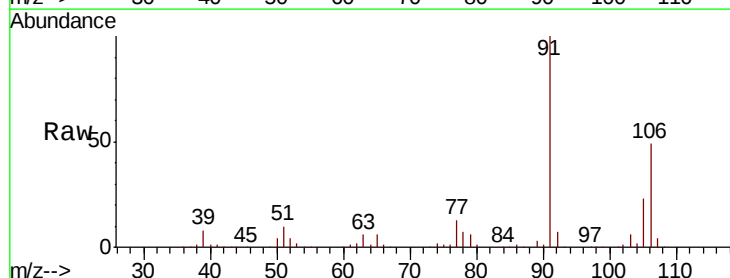
Acq: 29 Nov 2018 15:44

Tgt Ion: 106 Resp: 205582

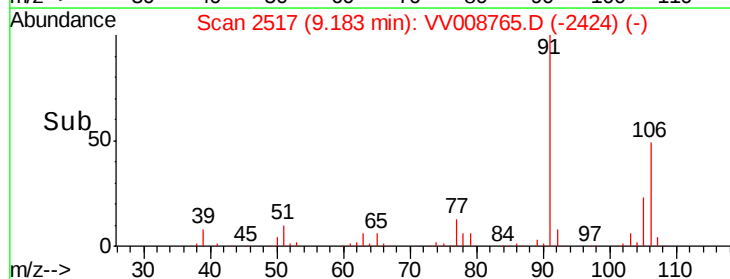
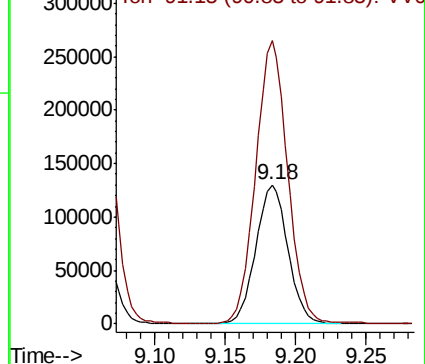
Ion Ratio Lower Upper

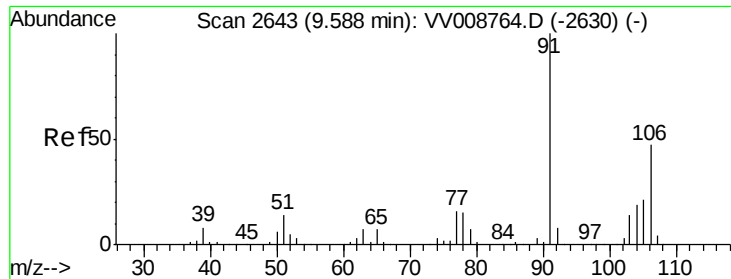
106 100

91 203.6 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV008765.D (-2504) (-)

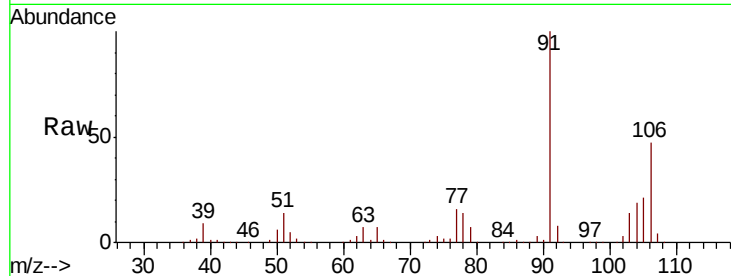




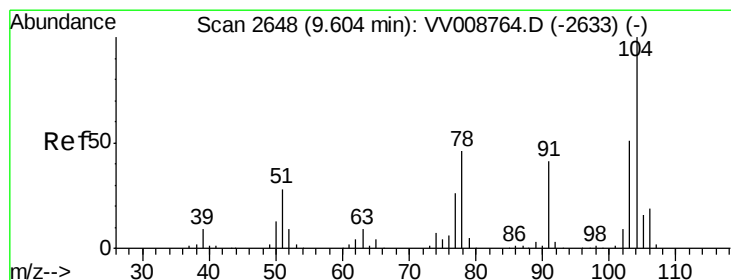
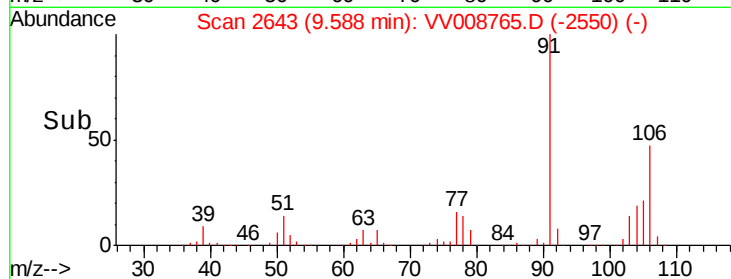
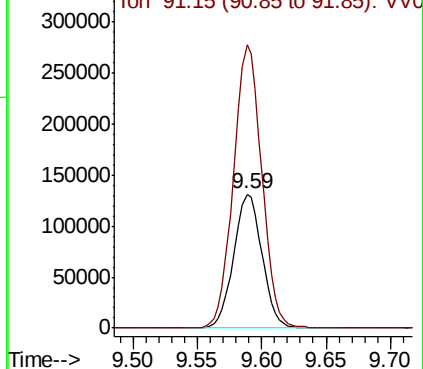
#54
o-xylene
Concen: 10.439 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV008765.D
Acq: 29 Nov 2018 15:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

Tgt Ion:106 Resp: 201035
Ion Ratio Lower Upper
106 100
91 211.4 148.7 276.1

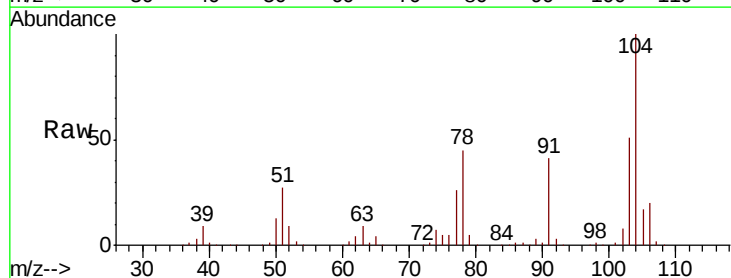


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

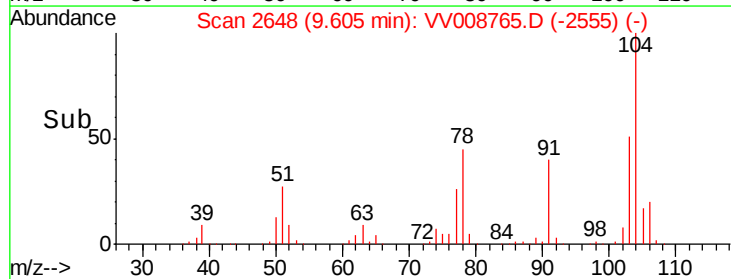
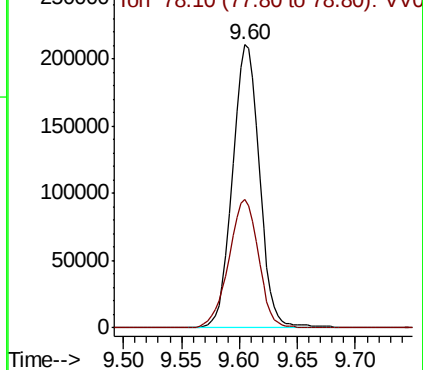


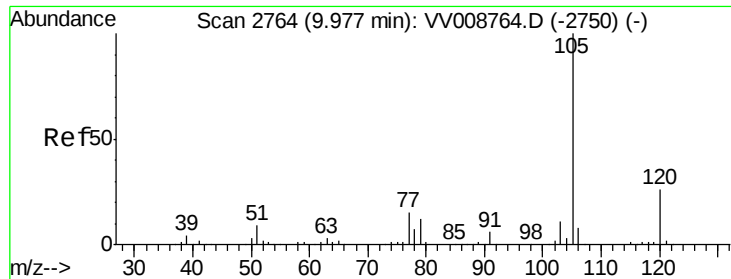
#55
Styrene
Concen: 10.689 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV008765.D
Acq: 29 Nov 2018 15:44

Tgt Ion:104 Resp: 337655
Ion Ratio Lower Upper
104 100
78 45.3 32.2 59.8



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 10.380 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008765.D

Acq: 29 Nov 2018 15:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

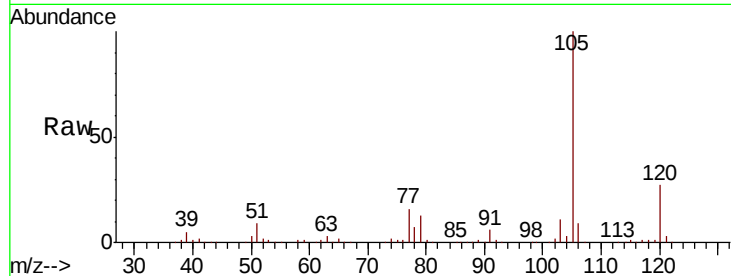
Tgt Ion: 105 Resp: 531766

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

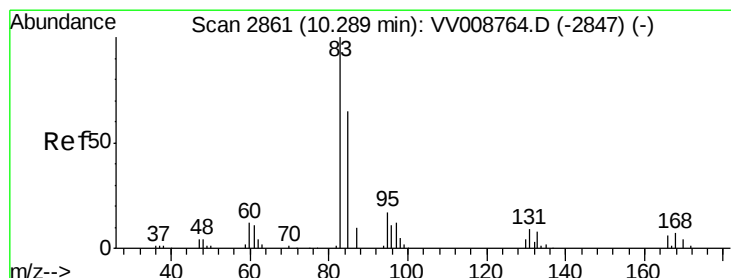
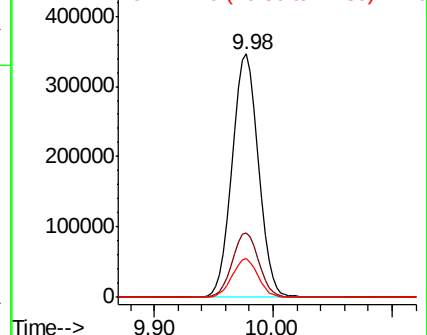
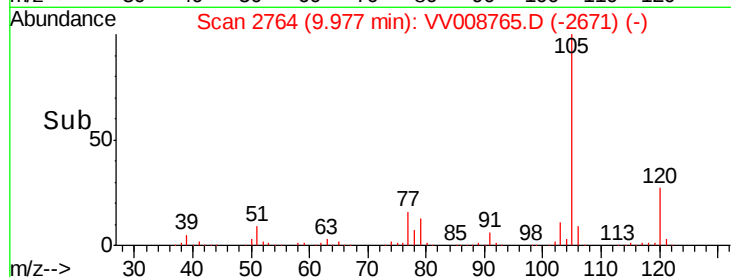
77 15.6 12.2 18.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 10.394 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008765.D

Acq: 29 Nov 2018 15:44

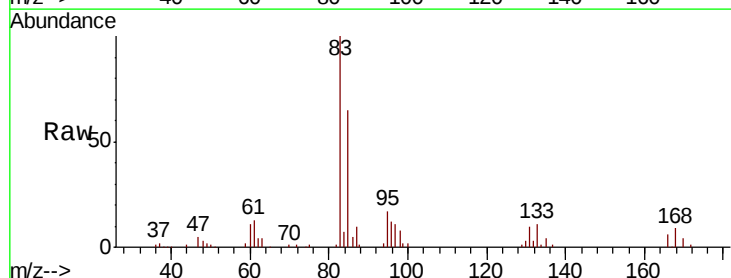
Tgt Ion: 83 Resp: 86732

Ion Ratio Lower Upper

83 100

85 64.6 45.6 84.8

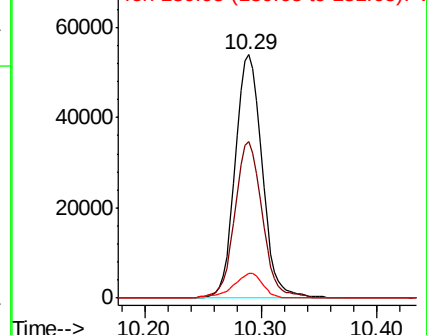
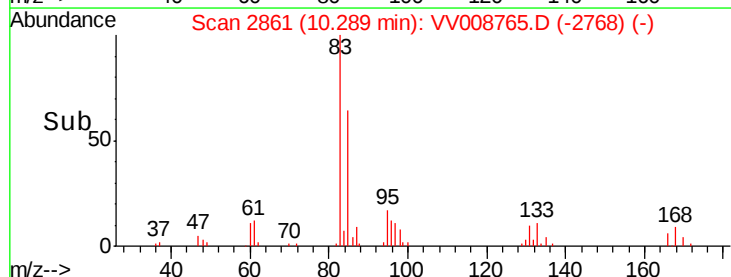
131 10.0 7.3 10.9

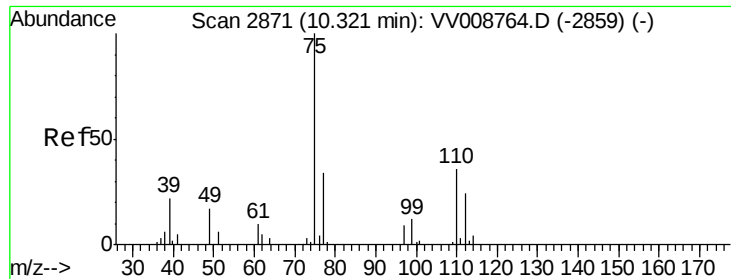


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 10.115 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV008765.D

Acq: 29 Nov 2018 15:44

Instrument :

MSVOA_V

ClientSampleId :

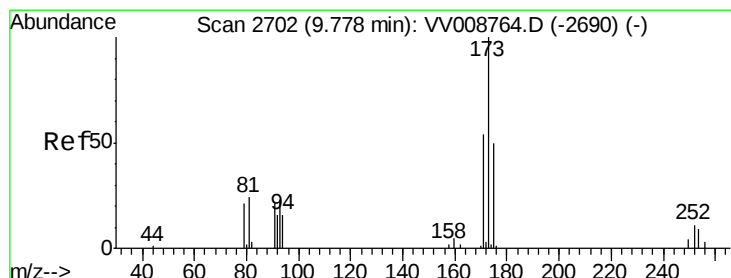
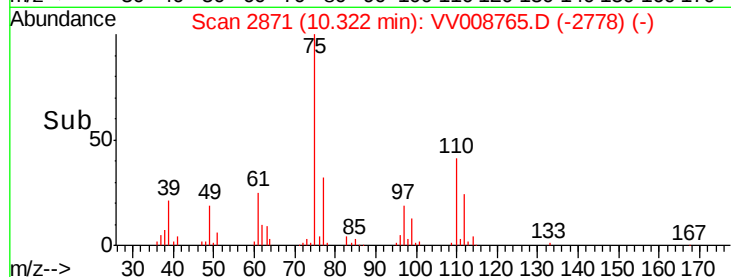
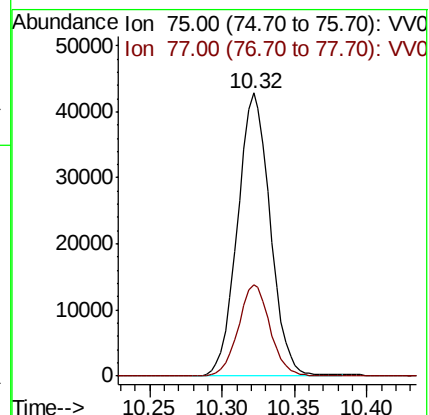
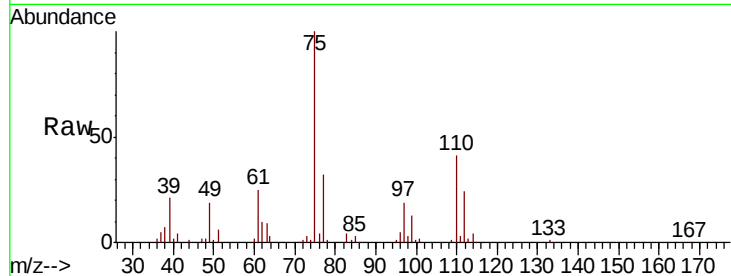
VSTD01066

Tgt Ion: 75 Resp: 66985

Ion Ratio Lower Upper

75 100

77 31.3 26.9 40.3



#61

Bromoform

Concen: 10.430 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV008765.D

Acq: 29 Nov 2018 15:44

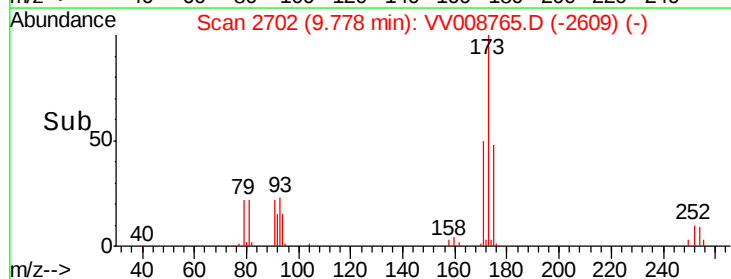
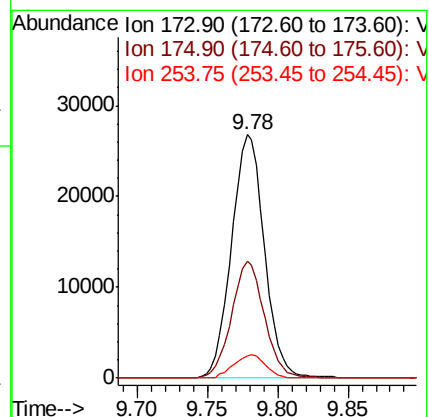
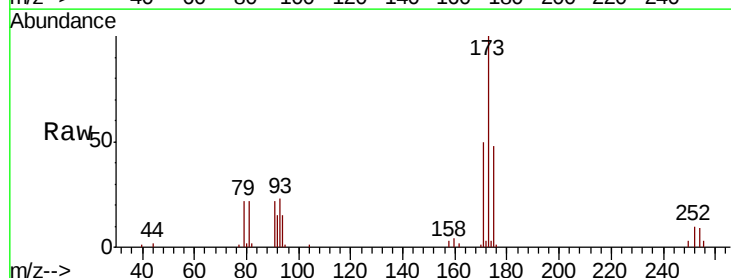
Tgt Ion: 173 Resp: 43732

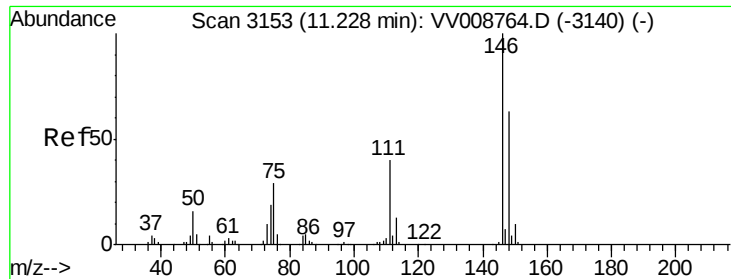
Ion Ratio Lower Upper

173 100

175 47.9 39.6 59.4

254 9.4 6.9 10.3

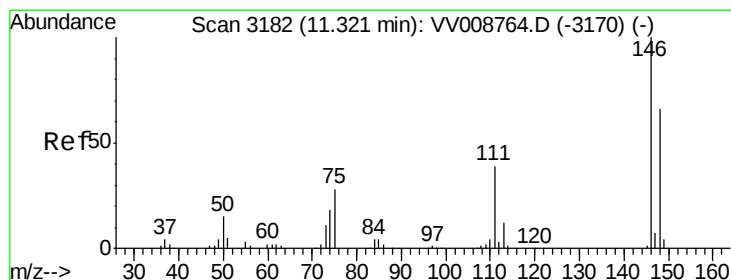
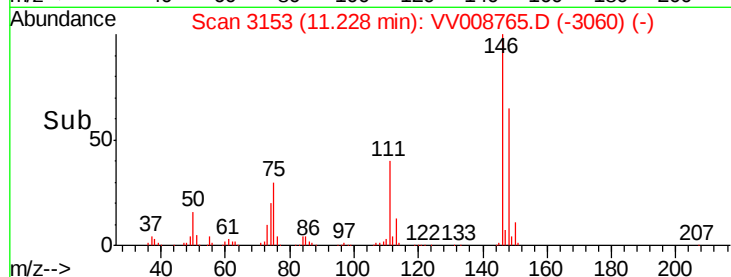
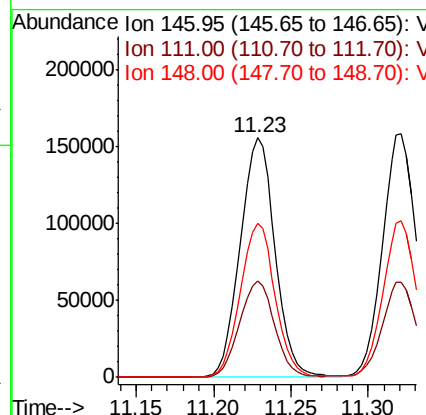
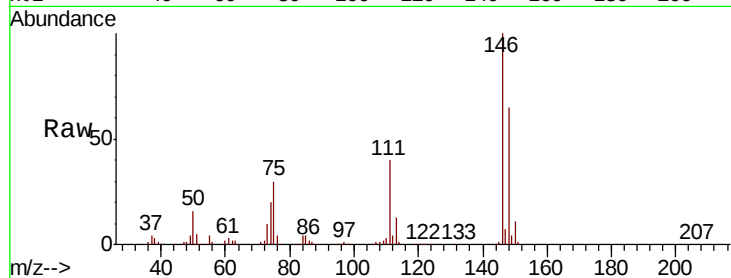




#62
 1,3-Dichlorobenzene
 Concen: 9.752 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV008765.D
 Acq: 29 Nov 2018 15:44

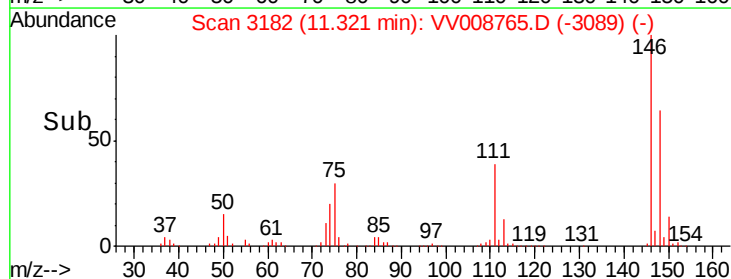
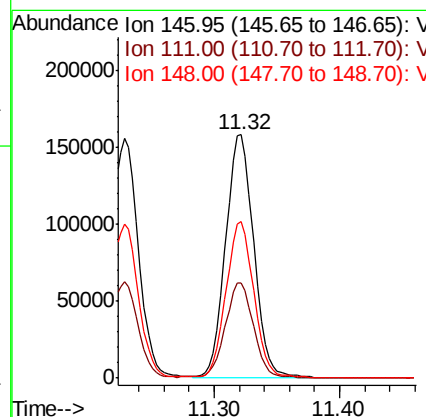
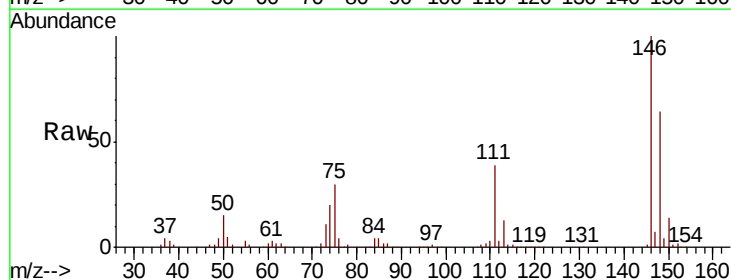
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

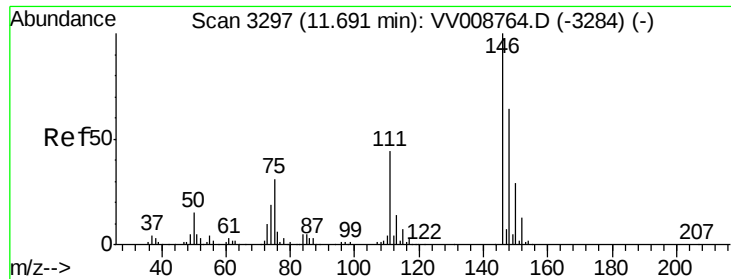
Tgt Ion:146 Resp: 244234
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.1 52.1
 148 64.6 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 9.216 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008765.D
 Acq: 29 Nov 2018 15:44

Tgt Ion:146 Resp: 247222
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.6 51.4
 148 64.5 46.5 86.3

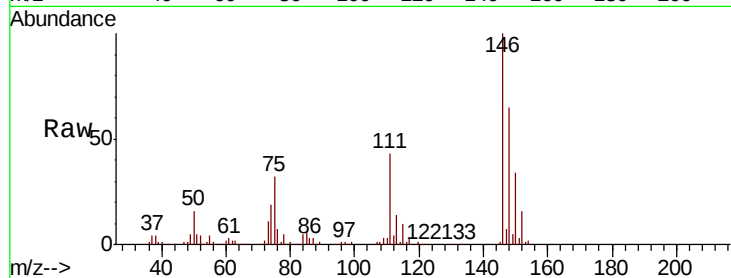




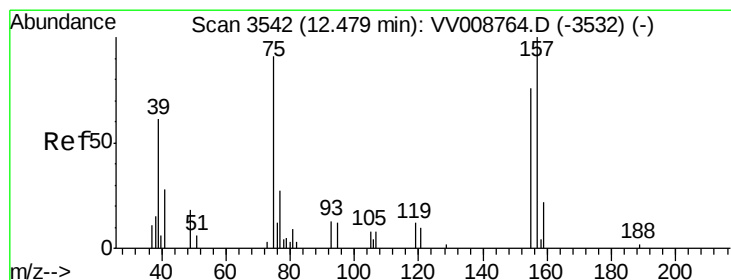
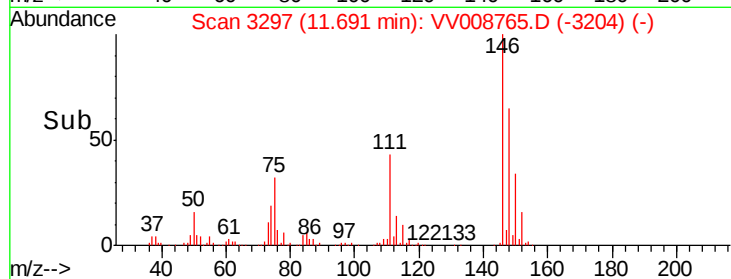
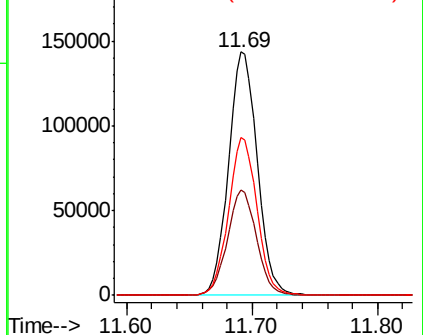
#65
 1,2-Dichlorobenzene
 Concen: 9.178 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV008765.D
 Acq: 29 Nov 2018 15:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	34.8	52.2
148	64.8	51.1	76.7

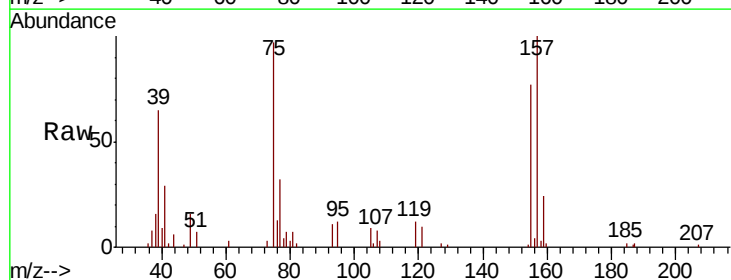


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

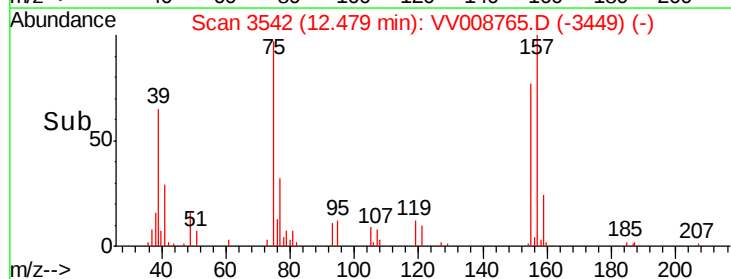
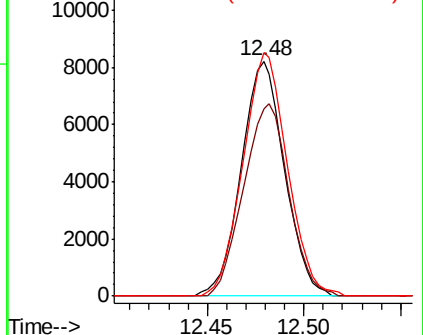


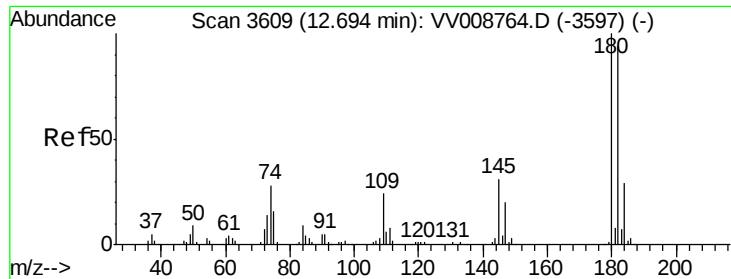
#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.410 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV008765.D
 Acq: 29 Nov 2018 15:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.8	66.7	100.1
157	103.5	88.0	132.0



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

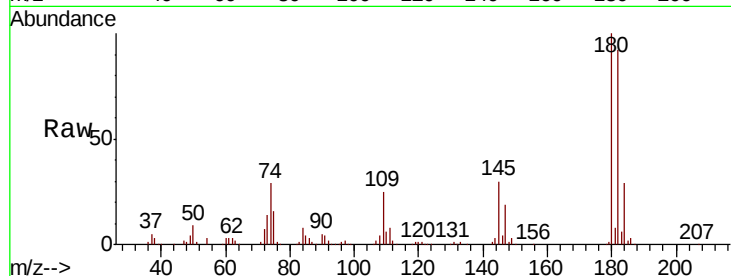




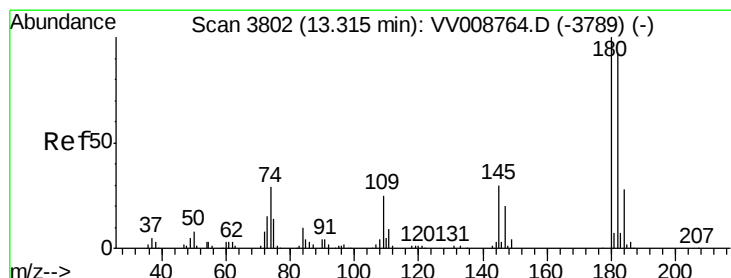
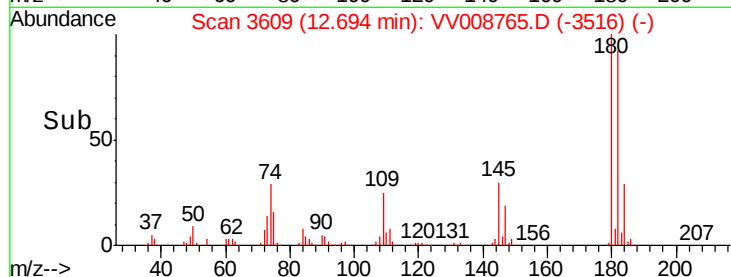
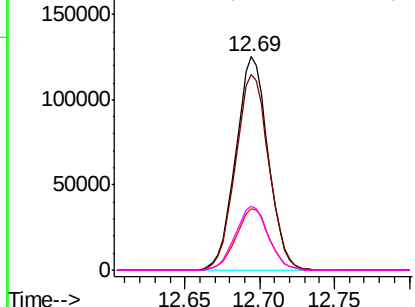
#67
 1,3,5-Trichlorobenzene
 Concen: 10.296 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV008765.D
 Acq: 29 Nov 2018 15:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

Tgt Ion:180 Resp: 188801
 Ion Ratio Lower Upper
 180 100
 182 94.2 74.7 112.1
 184 29.3 23.3 34.9
 145 30.6 24.2 36.4

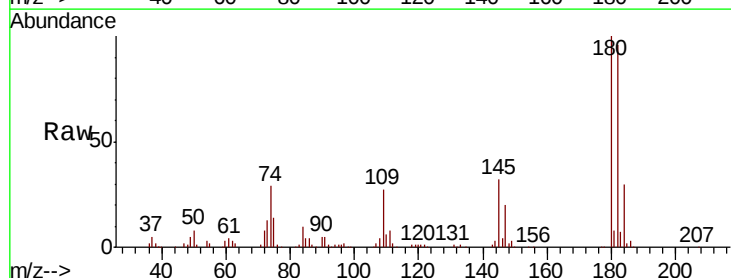


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

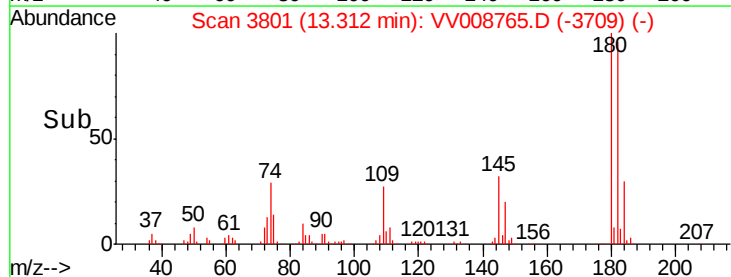
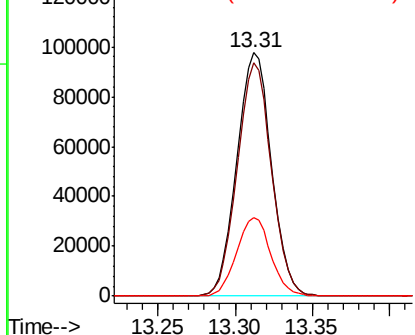


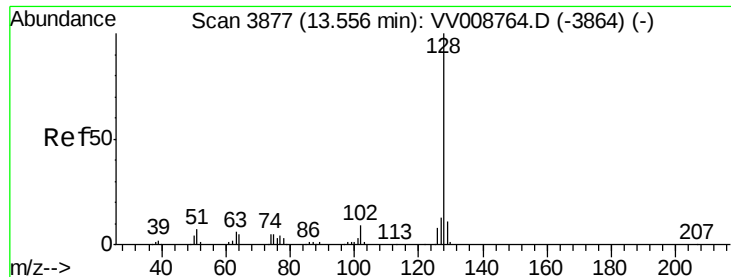
#68
 1,2,4-trichlorobenzene
 Concen: 11.210 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV008765.D
 Acq: 29 Nov 2018 15:44

Tgt Ion:180 Resp: 151914
 Ion Ratio Lower Upper
 180 100
 182 94.7 74.2 111.4
 145 31.8 24.1 36.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 12.561 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV008765.D

Acq: 29 Nov 2018 15:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

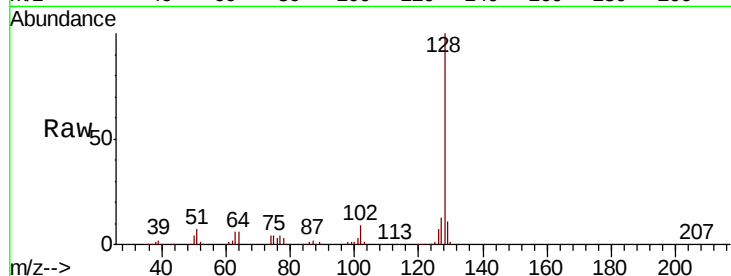
Tgt Ion:128 Resp: 247413

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

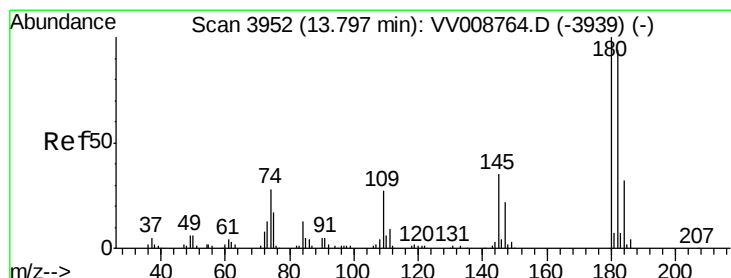
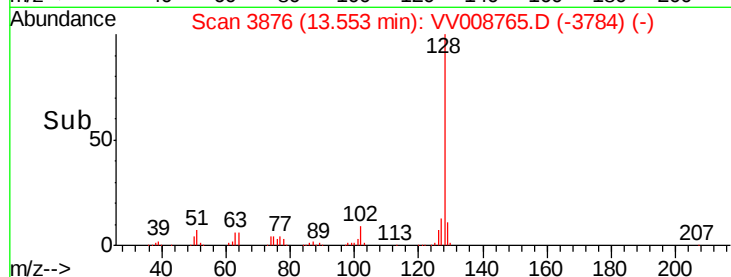
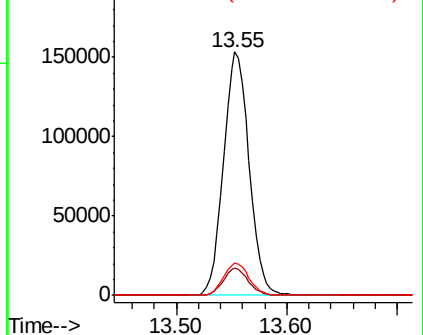
127 13.1 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 11.467 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008765.D

Acq: 29 Nov 2018 15:44

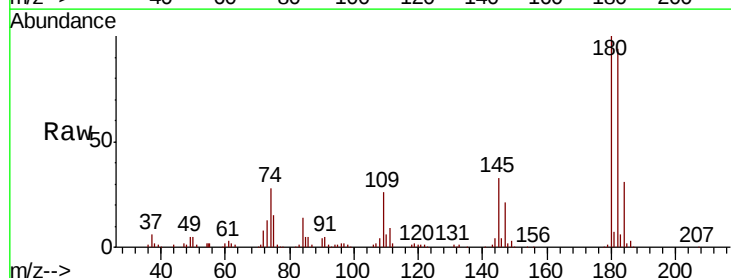
Tgt Ion:180 Resp: 140243

Ion Ratio Lower Upper

180 100

182 95.7 76.2 114.4

145 34.0 27.6 41.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

