

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082218\
 Data File : VV007120.D
 Acq On : 22 Aug 2018 14:33
 Operator : SY/MD
 Sample : VSTD010
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 23 07:40:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 07:39:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	531108	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	511235	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	207969	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34959	8.89	ug/L	0.00
7) Chloroethane-d5	1.56	69	26064	8.41	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	64526	8.30	ug/L	0.00
21) 2-Butanone-d5	3.96	46	55661	22.89	ug/L	0.00
24) Chloroform-d	4.41	84	73648	9.79	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	44405	8.68	ug/L	0.00
32) Benzene-d6	5.10	84	138743	9.70	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	47087	10.38	ug/L	0.00
41) Toluene-d8	7.36	98	112013	8.30	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	19881	9.11	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	23041	12.22	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	66586	10.33	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	41956	9.48	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	52015	11.140 ug/L	97
3) Chloromethane	1.25	50	69364	15.929 ug/L	99
5) Vinyl chloride	1.32	62	52665	12.020 ug/L	99
6) Bromomethane	1.51	94	12366	5.968 ug/L	100
8) Chloroethane	1.58	64	30064	11.388 ug/L	100
9) Trichlorofluoromethane	1.76	101	65748	10.203 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	38498	10.805 ug/L	98
12) 1,1-Dichloroethene	2.14	96	37004	11.173 ug/L	92
13) Acetone	2.19	43	58007	21.082 ug/L	100
14) Carbon disulfide	2.31	76	107588	13.801 ug/L	97
15) Methyl Acetate	2.46	43	42383	10.344 ug/L	98
16) Methylene chloride	2.54	84	43813	11.637 ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	38336	11.840 ug/L	93
18) Methyl tert-butyl Ether	2.81	73	119295	10.731 ug/L	98
19) 1,1-Dichloroethane	3.23	63	80707	12.139 ug/L	97
20) cis-1,2-Dichloroethene	3.96	96	41825	11.007 ug/L	90
22) 2-Butanone	4.04	43	75846	22.897 ug/L	99
23) Bromochloromethane	4.30	128	23515	12.406 ug/L	94
25) Chloroform	4.43	83	81885	11.605 ug/L	96
27) 1,2-Dichloroethane	5.19	62	60275	9.926 ug/L	97
29) Cyclohexane	4.72	56	56067	10.248 ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	62649	10.315 ug/L	99
31) Carbon tetrachloride	4.88	117	54472	10.497 ug/L	99
33) Benzene	5.15	78	167915	11.435 ug/L	100
34) Trichloroethene	5.96	95	40624	10.854 ug/L	96
35) Methylcyclohexane	6.18	83	55733	9.817 ug/L	98
37) 1,2-Dichloropropane	6.23	63	47218	11.856 ug/L	100
38) Bromodichloromethane	6.56	83	55762	11.025 ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	53875	9.549 ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	98278	17.073 ug/L	96

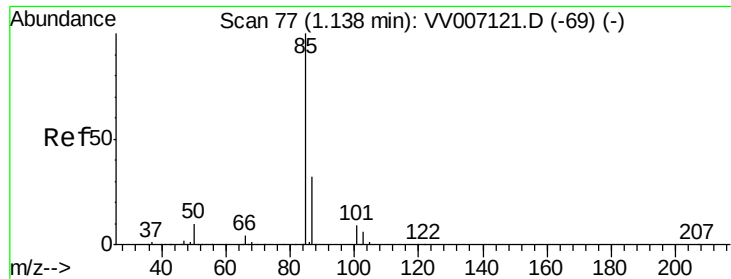
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082218\
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 07:39:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	154354	9.900	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	53454	9.816	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	43804	11.543	ug/L	97
46) Tetrachloroethene	8.02	164	33474	11.409	ug/L	98
48) 2-Hexanone	8.20	43	79115	16.631	ug/L	94
49) Dibromochloromethane	8.30	129	43325	11.137	ug/L	97
50) 1,2-Dibromoethane	8.40	107	41981	10.691	ug/L	97
51) Chlorobenzene	8.93	112	108258	10.445	ug/L	98
52) Ethylbenzene	9.06	91	148196	8.602	ug/L	100
53) m,p-Xylene	9.19	106	53490	8.434	ug/L	100
54) o-xylene	9.59	106	52383	8.230	ug/L	98
55) Styrene	9.61	104	85673	7.806	ug/L	96
56) Isopropylbenzene	9.98	105	129728	7.644	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.30	83	74954	11.489	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	58227	11.030	ug/L	96
61) Bromoform	9.78	173	31061	13.975	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	66770	10.344	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	68652	9.878	ug/L	96
65) 1,2-Dichlorobenzene	11.70	146	73096	10.438	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	10839	9.841	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	38895	8.421	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	22436	6.044	ug/L	97
69) Naphthalene	13.56	128	52497	4.612	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	24901	6.267	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 11.140 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

Instrument :

MSVOA_V

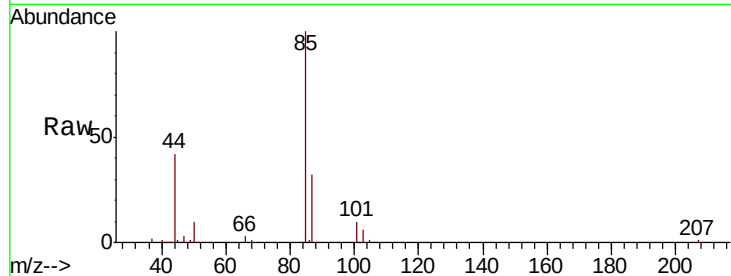
ClientSampled :

Tot Ion: 85 Resp: 52015

Ion Ratio Lower Upper

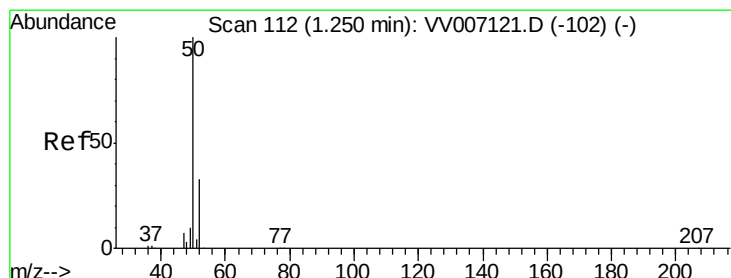
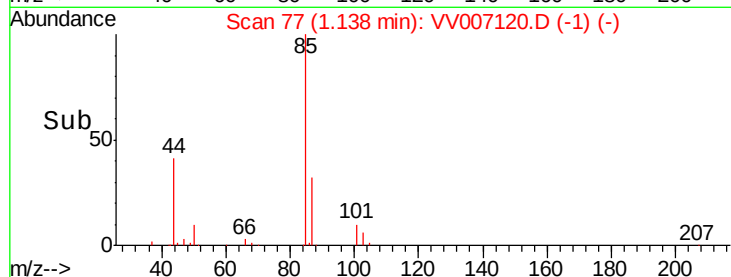
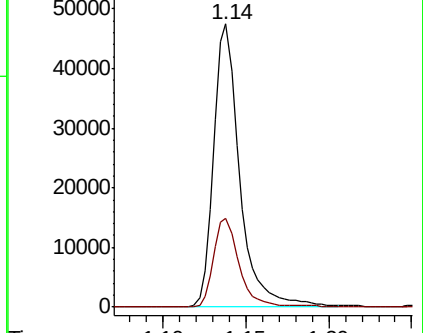
85 100

87 30.6 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 15.929 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007120.D

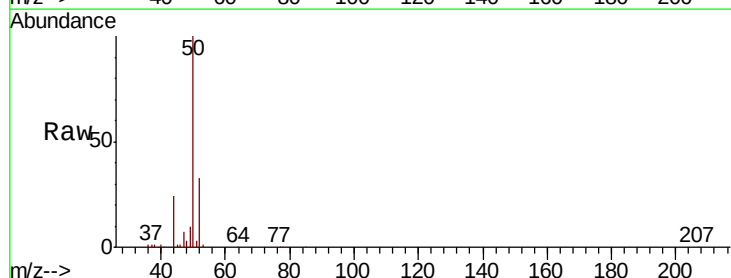
Acq: 22 Aug 2018 14:33

Tgt Ion: 50 Resp: 69364

Ion Ratio Lower Upper

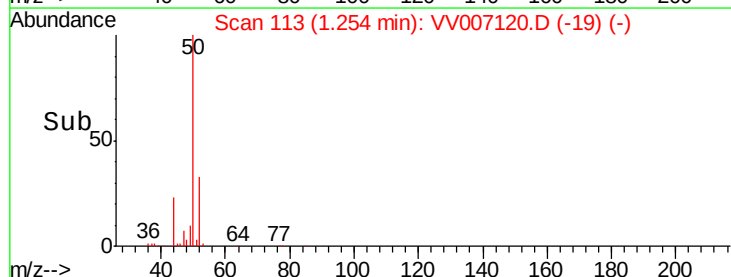
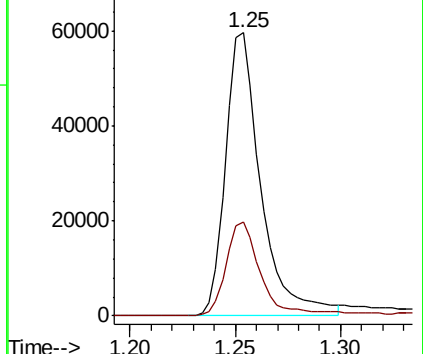
50 100

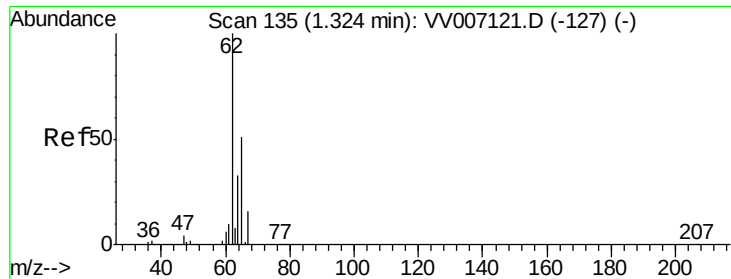
52 33.2 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 12.020 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

Instrument :

MSVOA_V

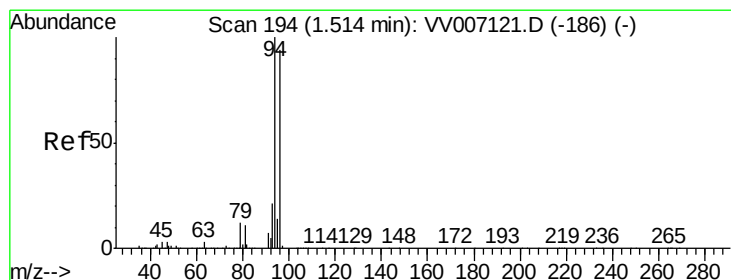
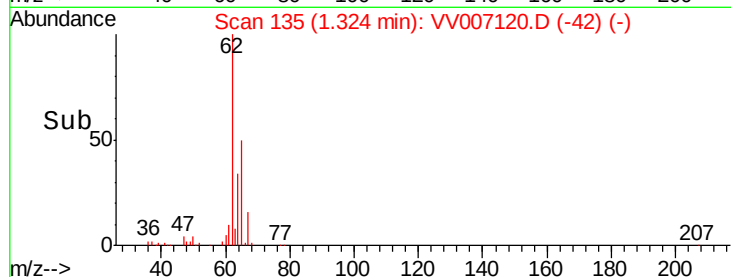
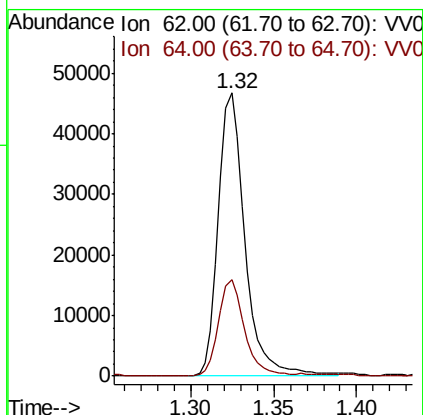
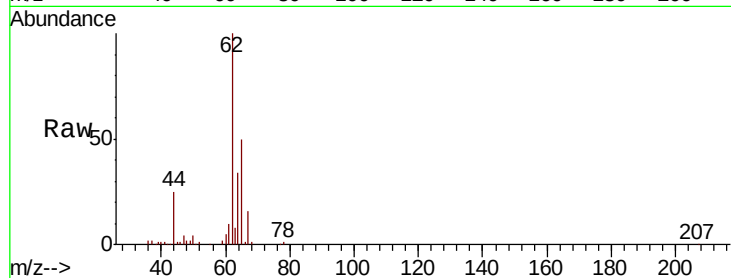
ClientSampled :

Tot Ion: 62 Resp: 52665

Ion Ratio Lower Upper

62 100

64 33.9 23.4 43.4



#6

Bromomethane

Concen: 5.968 ug/L

RT: 1.51 min Scan# 194

Delta R.T. 0.00 min

Lab File: VV007120.D

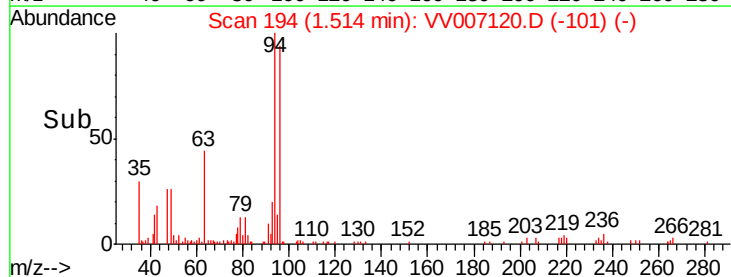
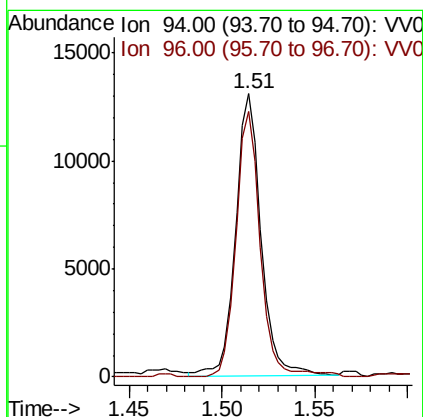
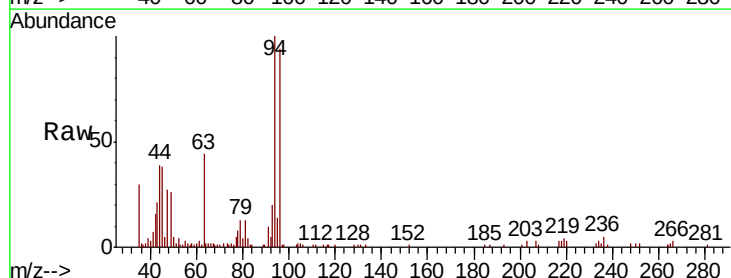
Acq: 22 Aug 2018 14:33

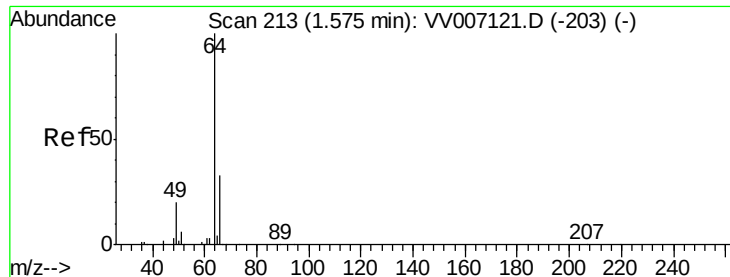
Tgt Ion: 94 Resp: 12366

Ion Ratio Lower Upper

94 100

96 93.7 65.5 121.6





#8

Chloroethane

Concen: 11.388 ug/L

RT: 1.58 min Scan# 214

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

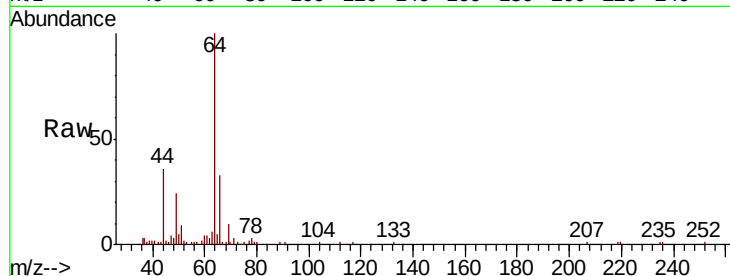
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 30064

Ion Ratio Lower Upper

64 100

66 32.8 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV007121.D (-203) (-)

Ion 66.00 (65.70 to 66.70): VV007121.D (-203) (-)

1.58

25000

20000

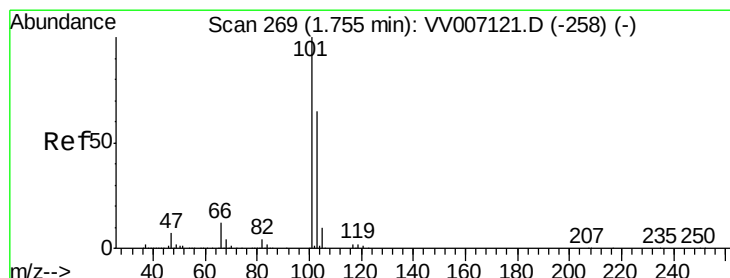
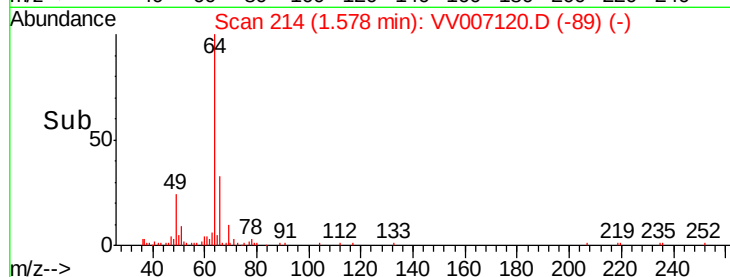
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 10.203 ug/L

RT: 1.76 min Scan# 270

Delta R.T. 0.00 min

Lab File: VV007120.D

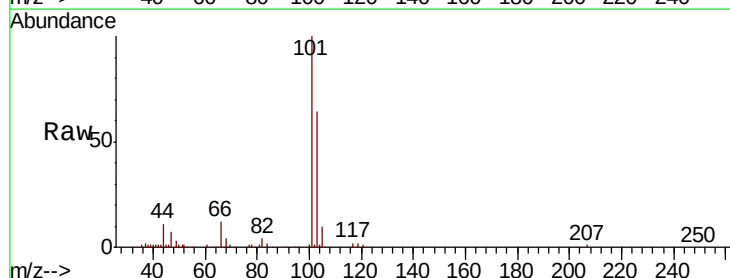
Acq: 22 Aug 2018 14:33

Tgt Ion: 101 Resp: 65748

Ion Ratio Lower Upper

101 100

103 64.2 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV007121.D (-258) (-)

Ion 103.00 (102.70 to 103.70): VV007121.D (-258) (-)

1.76

60000

50000

40000

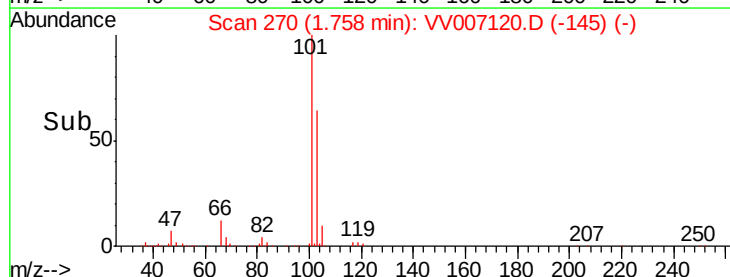
30000

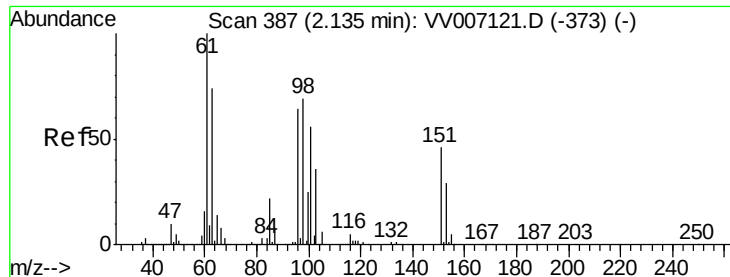
20000

10000

0

Time-->





#10

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

Concen: 10.805 ug/L

RT: 2.13 min Scan# 387

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

Instrument :

MSVOA_V

ClientSampleId :

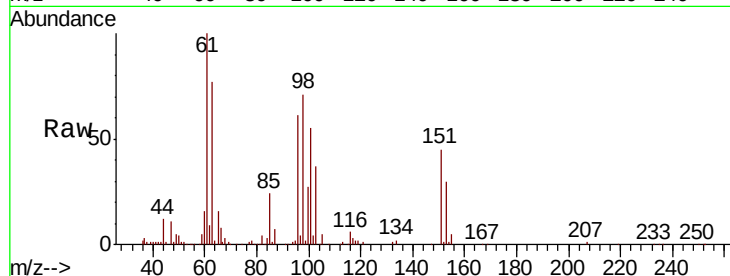
Tot Ion:101 Resp: 38498

Ion Ratio Lower Upper

101 100

85 41.2 32.5 48.7

151 79.1 65.2 97.8



Abundance Ion 101.00 (100.70 to 101.70): VV007120.D (-294) (-)

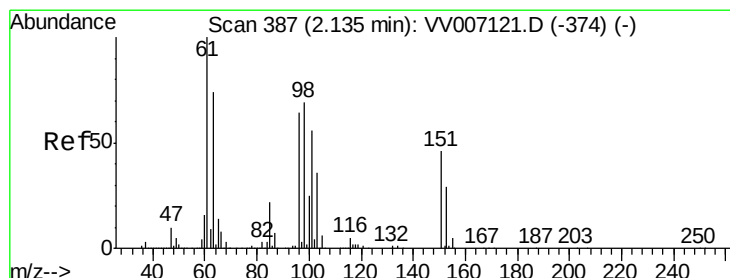
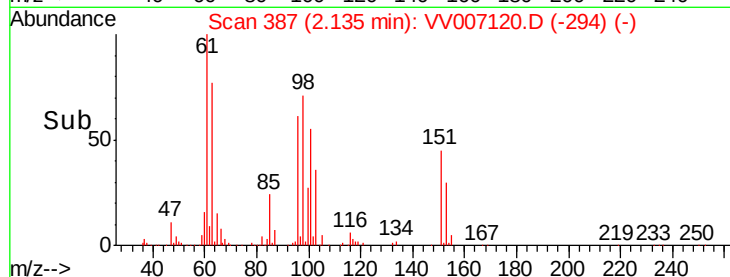
Ion 85.00 (84.70 to 85.70): VV007120.D (-294) (-)

Ion 151.00 (150.70 to 151.70): VV007120.D (-294) (-)

Time-->

2.13

2.10 2.15 2.20



#12

1,1-Dichloroethene

Concen: 11.173 ug/L

RT: 2.14 min Scan# 388

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

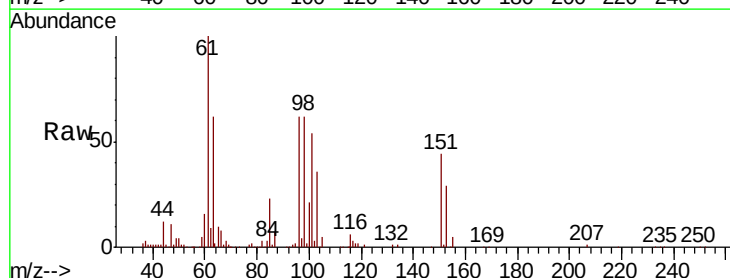
Tgt Ion: 96 Resp: 37004

Ion Ratio Lower Upper

96 100

61 160.2 110.0 204.2

63 100.1 81.8 152.0



Abundance Ion 96.00 (95.70 to 96.70): VV007120.D (-294) (-)

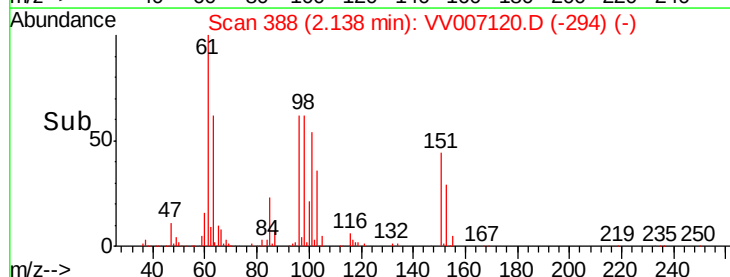
Ion 61.00 (60.70 to 61.70): VV007120.D (-294) (-)

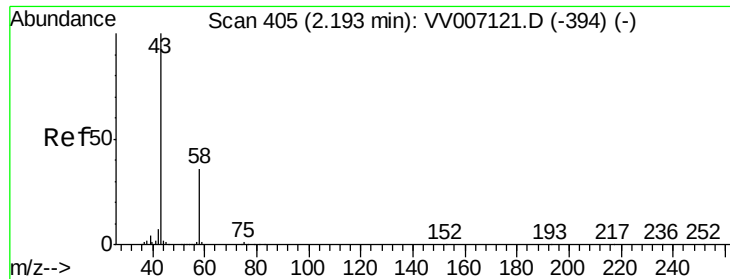
Ion 63.00 (62.70 to 63.70): VV007120.D (-294) (-)

Time-->

2.14

2.10 2.15 2.20

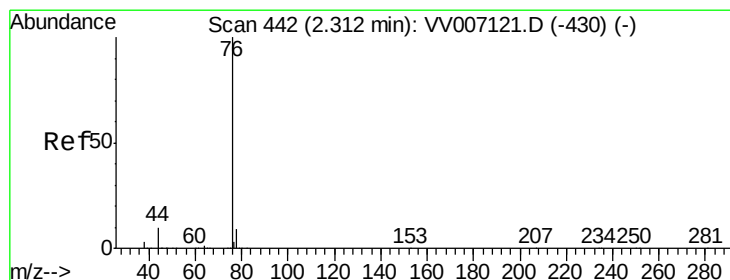
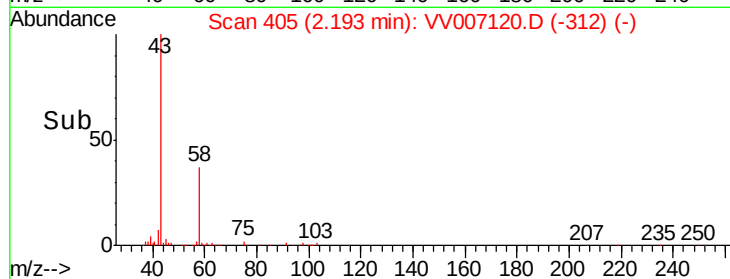
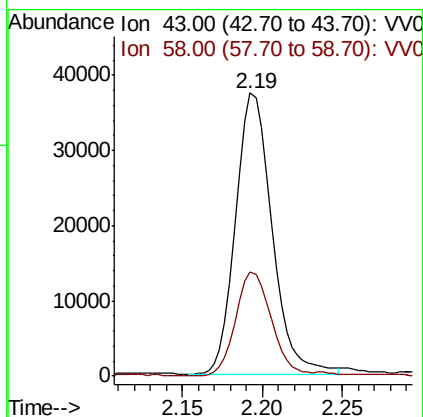
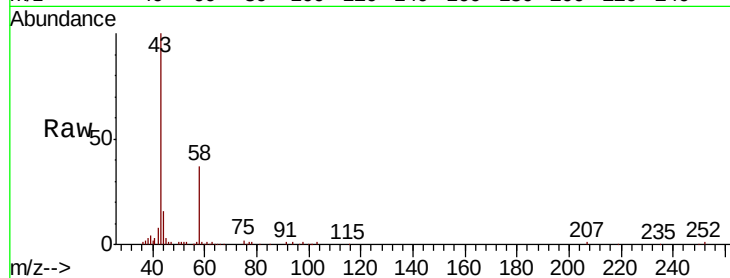




#13
Acetone
Concen: 21.082 ug/L
RT: 2.19 min Scan# 405
Delta R.T. 0.00 min
Lab File: VV007120.D
Acq: 22 Aug 2018 14:33

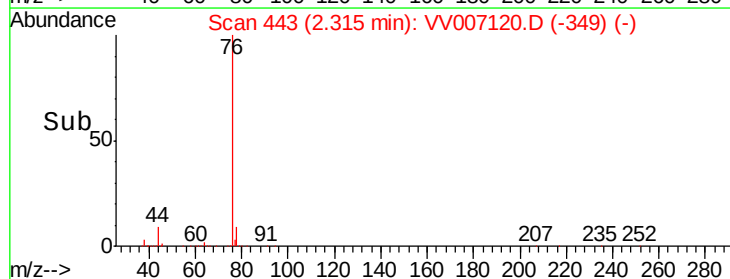
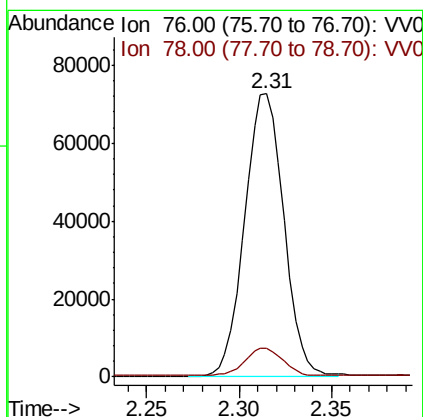
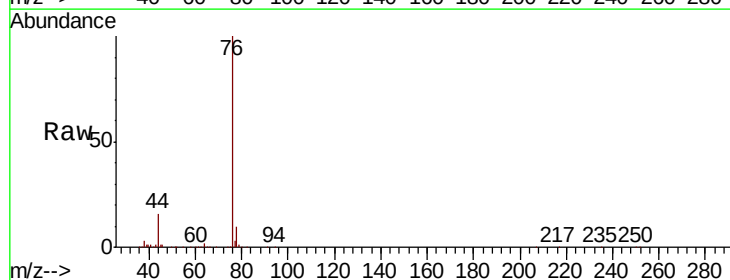
Instrument :
MSVOA_V
ClientSampleId :

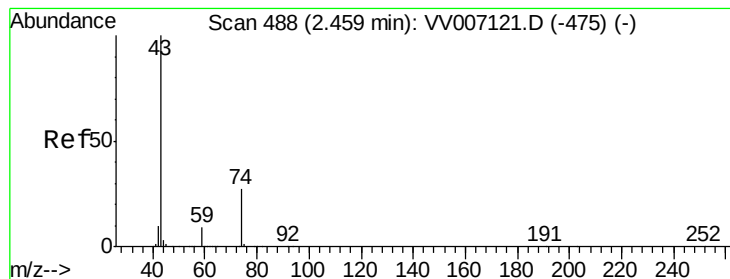
Tot Ion: 43 Resp: 58007
Ion Ratio Lower Upper
43 100
58 36.4 0.0 73.0



#14
Carbon disulfide
Concen: 13.801 ug/L
RT: 2.31 min Scan# 443
Delta R.T. 0.00 min
Lab File: VV007120.D
Acq: 22 Aug 2018 14:33

Tgt Ion: 76 Resp: 107588
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8





#15

Methvl Acetate

Concen: 10.344 ug/L

RT: 2.46 min Scan# 489

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

Instrument :

MSVOA_V

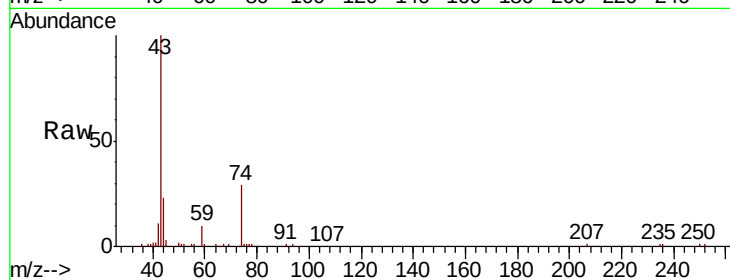
ClientSampleId :

Tot Ion: 43 Resp: 42383

Ion Ratio Lower Upper

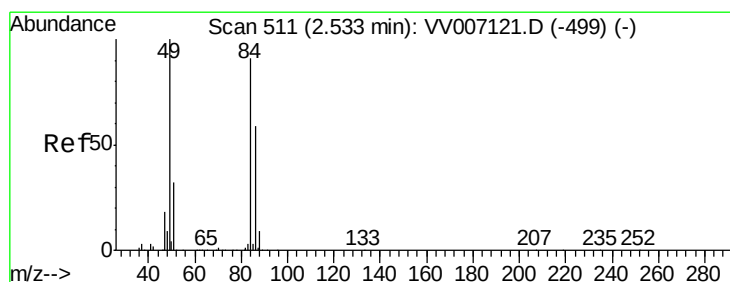
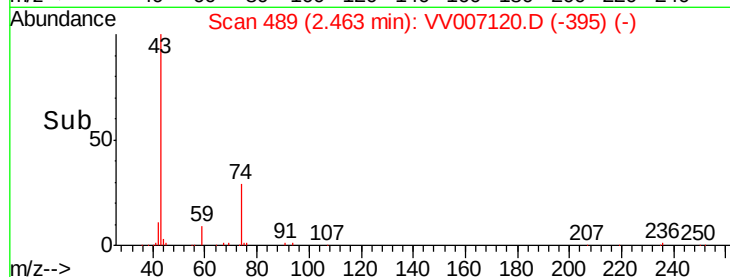
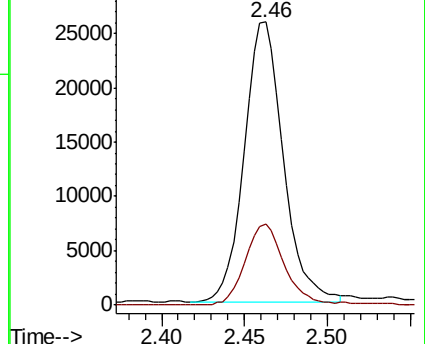
43 100

74 28.7 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 11.637 ug/L

RT: 2.54 min Scan# 512

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

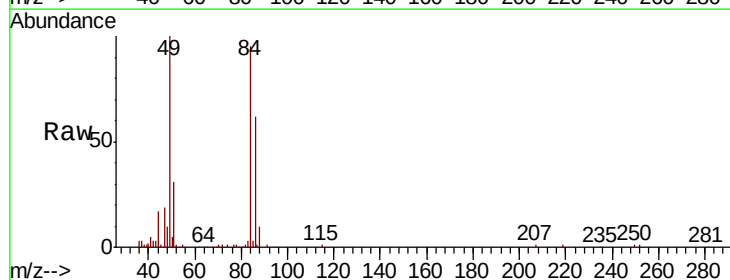
Tgt Ion: 84 Resp: 43813

Ion Ratio Lower Upper

84 100

86 65.5 45.4 84.4

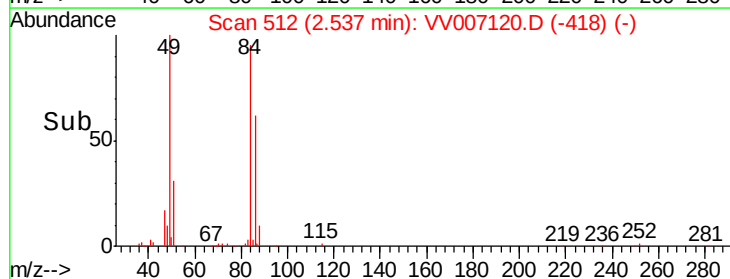
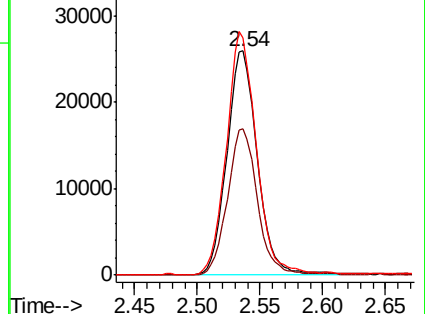
49 105.8 76.7 142.5

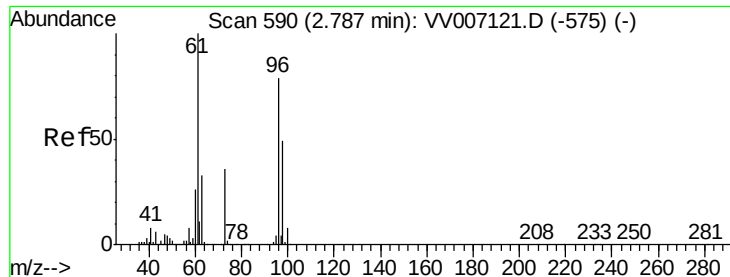


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 11.840 ug/L

RT: 2.79 min Scan# 590

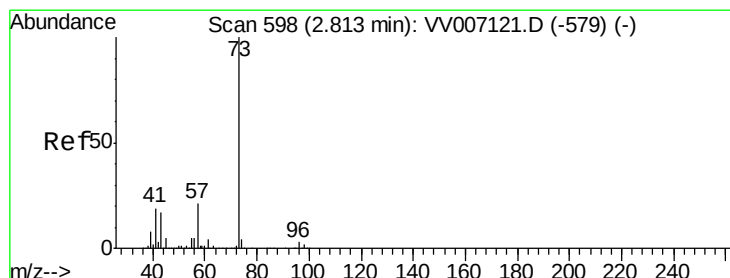
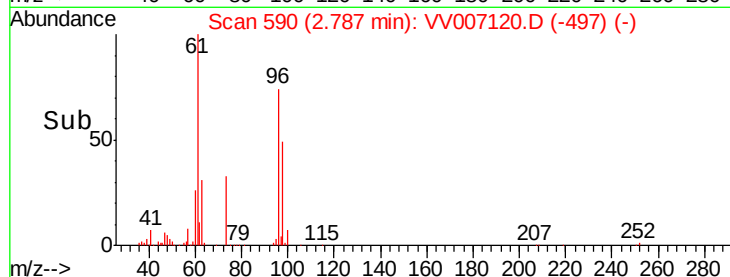
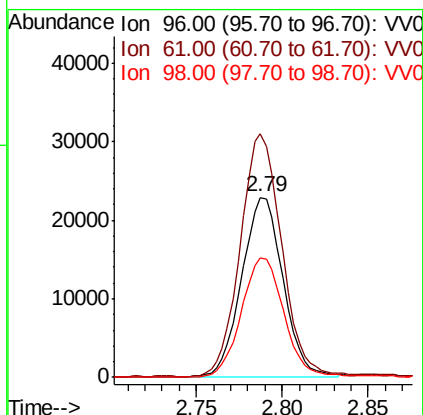
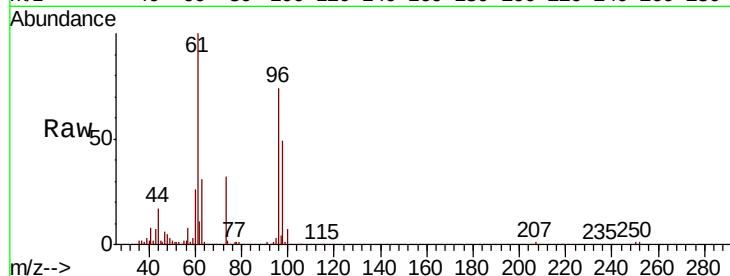
Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	96	Resp:	38336
Ion	Ratio	Lower	Upper
96	100		
61	135.3	89.1	165.5
98	66.6	43.6	81.0



#18

Methyl tert-butyl Ether

Concen: 10.731 ug/L

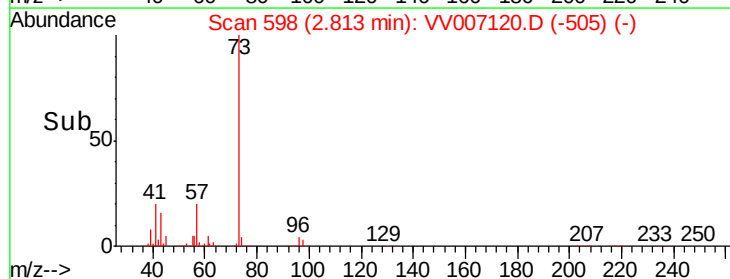
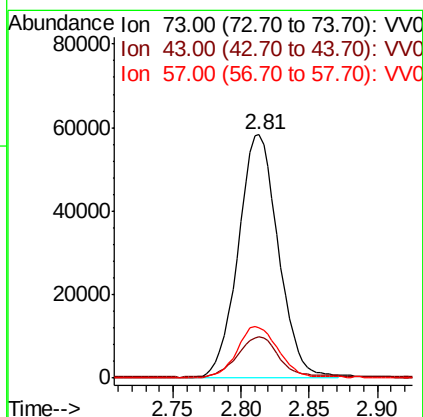
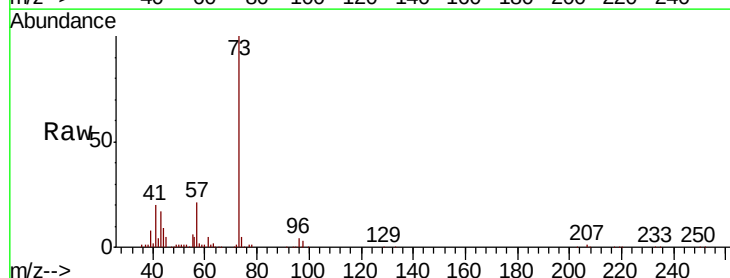
RT: 2.81 min Scan# 598

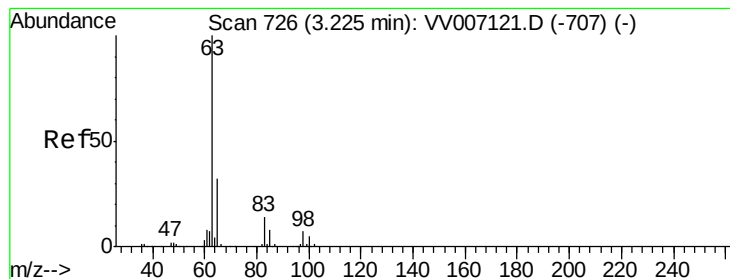
Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

Tgt Ion:	73	Resp:	119295
Ion	Ratio	Lower	Upper
73	100		
43	16.5	13.6	20.4
57	21.8	16.6	25.0





#19

1,1-Dichloroethane

Concen: 12.139 ug/L

RT: 3.23 min Scan# 727

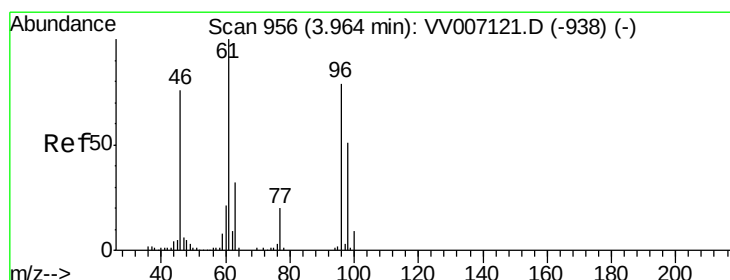
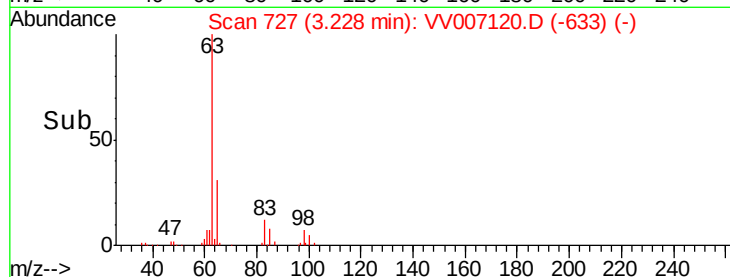
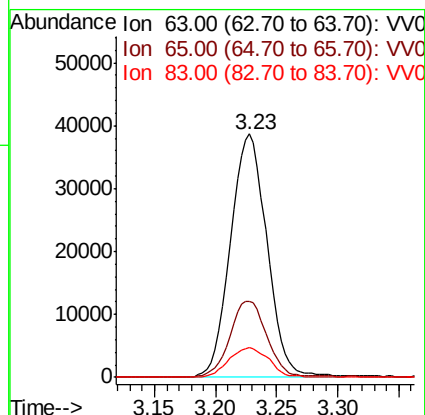
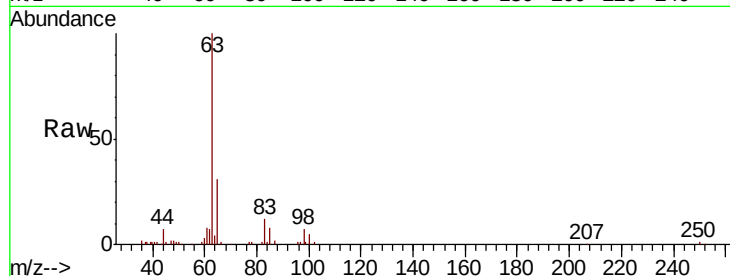
Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	63	Resp:	80707
Ion	Ratio	Lower	Upper
63	100		
65	31.1	22.7	42.3
83	12.1	9.4	17.6



#20

cis-1,2-Dichloroethene

Concen: 11.007 ug/L

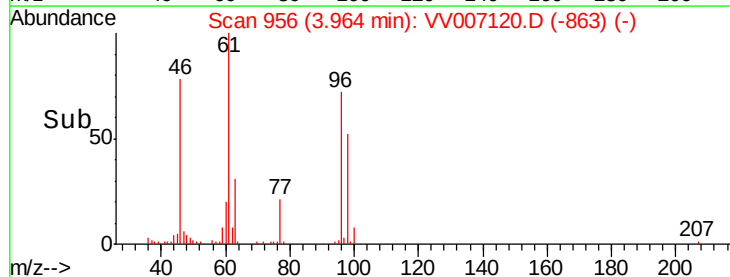
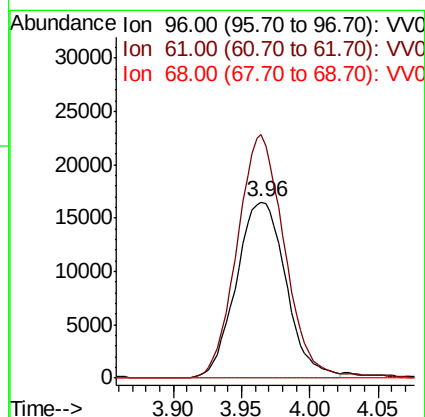
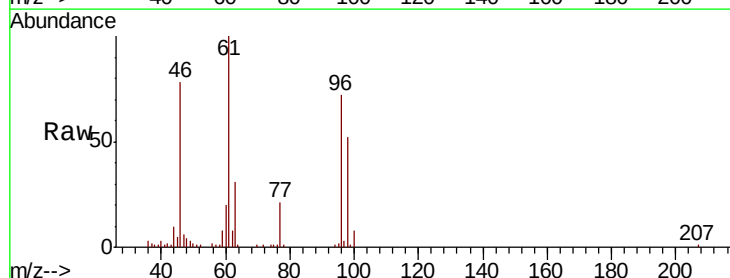
RT: 3.96 min Scan# 956

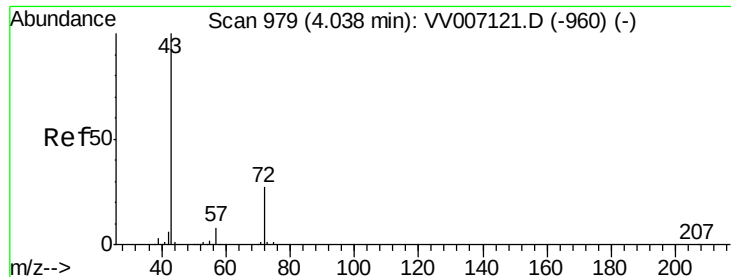
Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

Tgt Ion:	96	Resp:	41825
Ion	Ratio	Lower	Upper
96	100		
61	138.1	89.0	165.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 22.897 ug/L

RT: 4.04 min Scan# 980

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

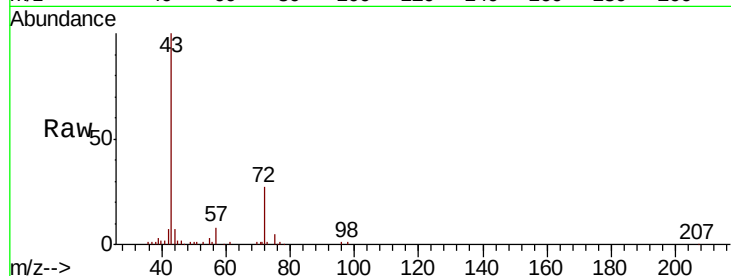
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 75846

Ion Ratio Lower Upper

43 100

72 26.9 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VV007120.D (-980) (-)

Ion 72.00 (71.70 to 72.70): VV007120.D (-980) (-)

4.04

30000

25000

20000

15000

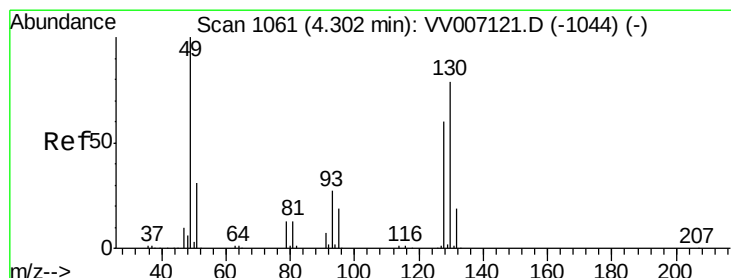
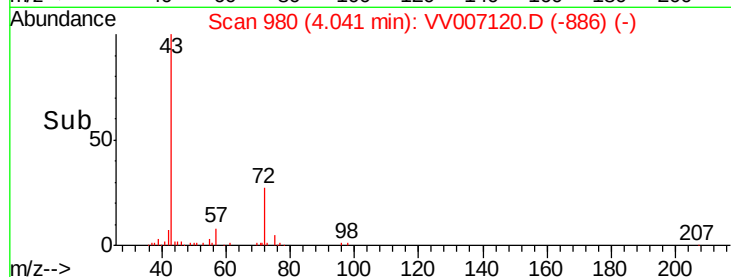
10000

5000

0

3.95 4.00 4.05 4.10 4.15

Time-->



#23

Bromochloromethane

Concen: 12.406 ug/L

RT: 4.30 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

Tgt Ion:128 Resp: 23515

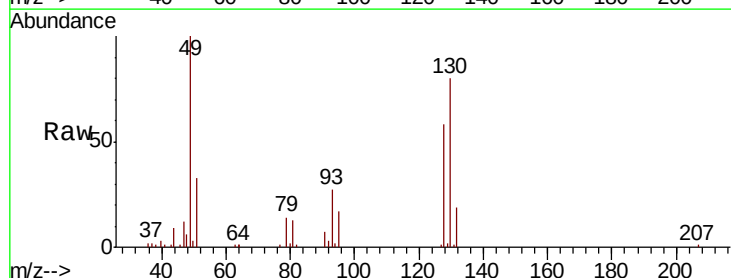
Ion Ratio Lower Upper

128 100

49 172.3 116.4 216.2

130 138.7 91.6 170.2

51 57.7 41.4 62.2



Abundance Ion 128.00 (127.70 to 128.70): VV007120.D (-968) (-)

Ion 49.00 (48.70 to 49.70): VV007120.D (-968) (-)

Ion 130.00 (129.70 to 130.70): VV007120.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VV007120.D (-968) (-)

25000

20000

15000

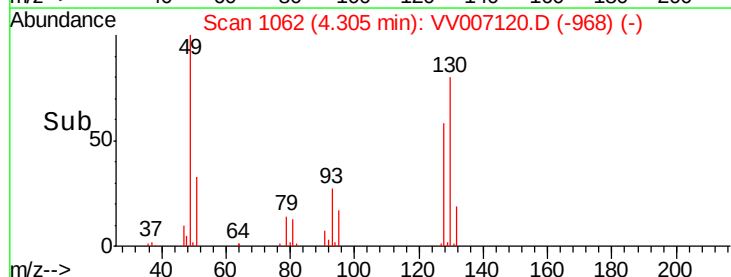
10000

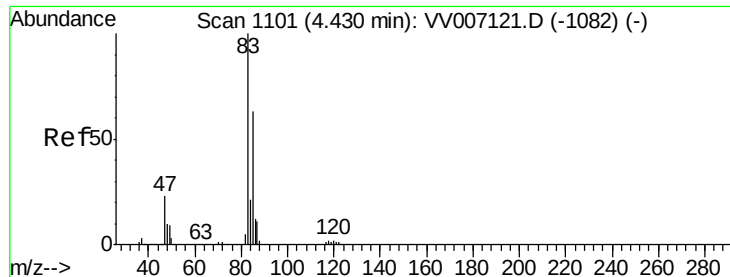
5000

0

4.25 4.30 4.35

Time-->

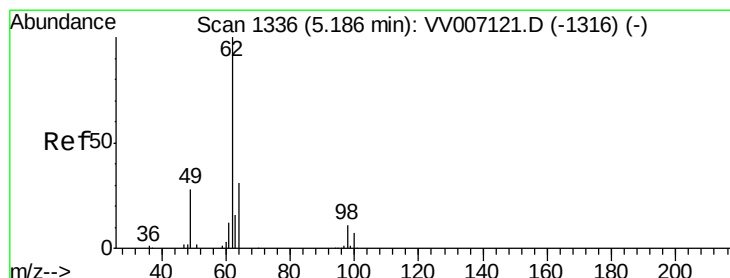
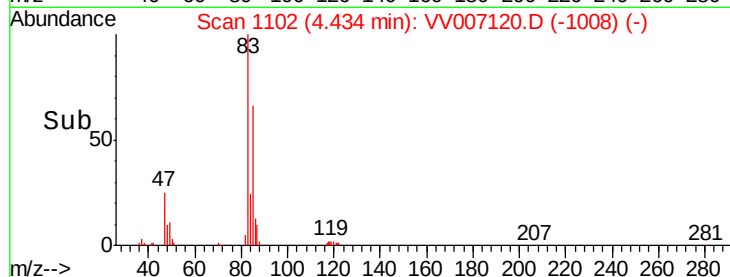
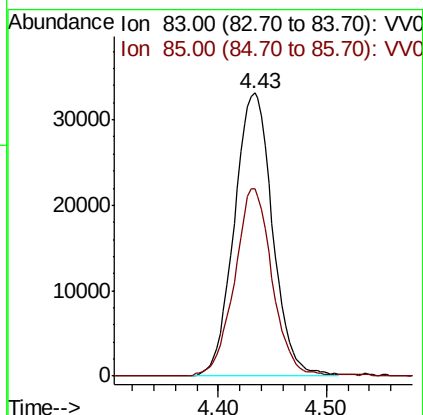
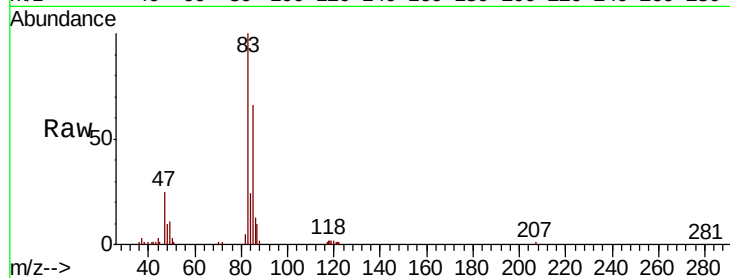




#25
Chloroform
Concen: 11.605 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV007120.D
Acq: 22 Aug 2018 14:33

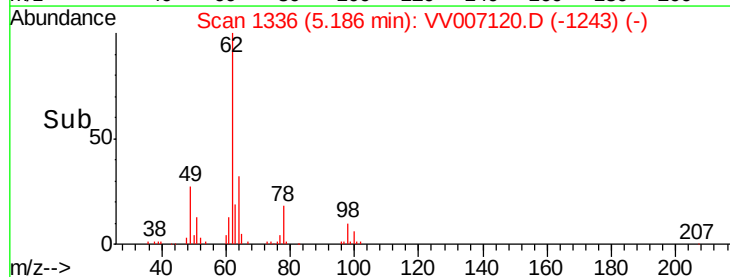
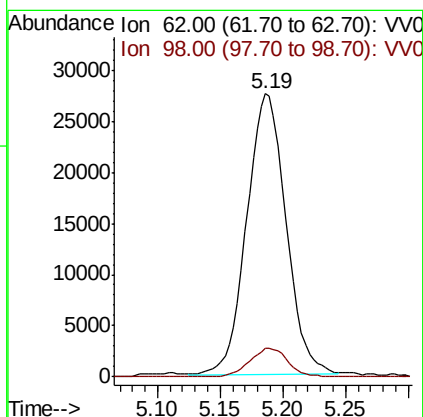
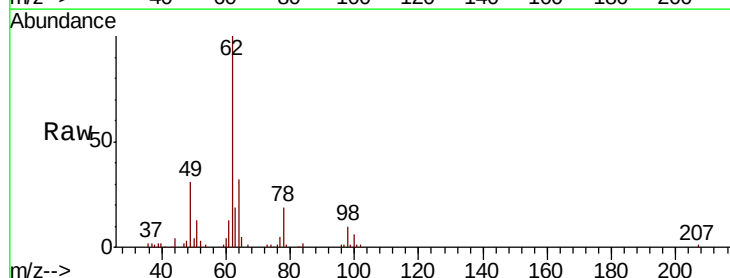
Instrument :
MSVOA_V
ClientSampleId :

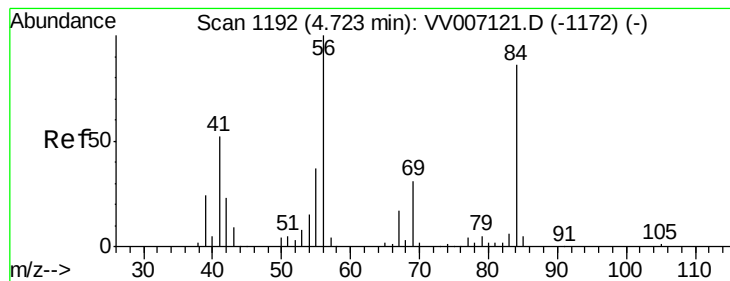
Tot Ion: 83 Resp: 81885
Ion Ratio Lower Upper
83 100
85 66.3 44.4 82.5



#27
1,2-Dichloroethane
Concen: 9.926 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VV007120.D
Acq: 22 Aug 2018 14:33

Tgt Ion: 62 Resp: 60275
Ion Ratio Lower Upper
62 100
98 9.9 8.7 13.1





#29

Cyclohexane

Concen: 10.248 ug/L

RT: 4.72 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

Instrument :
MSVOA_V
ClientSampleId :

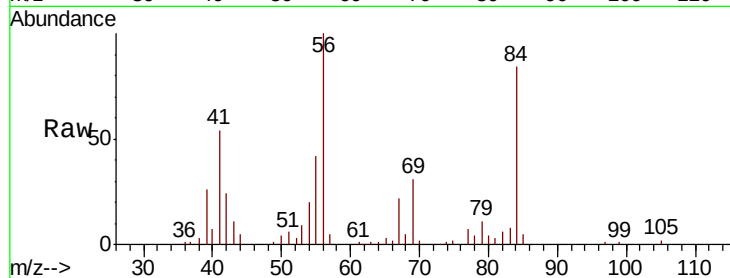
Tot Ion: 56 Resp: 56067

Ion Ratio Lower Upper

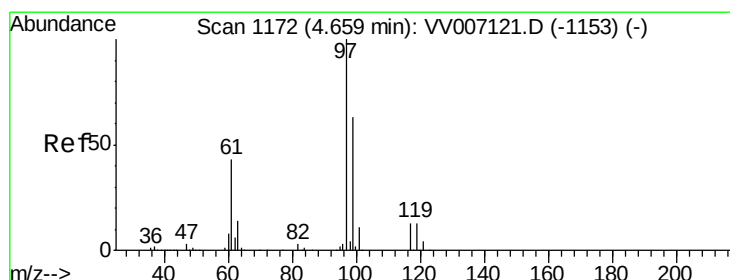
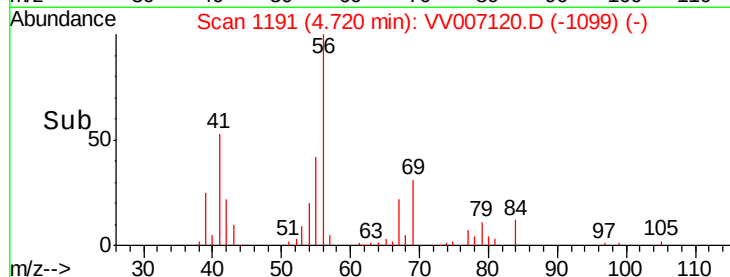
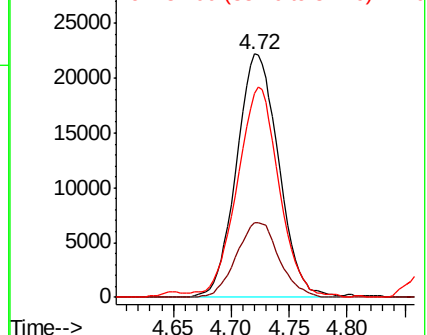
56 100

69 31.3 24.5 36.7

84 86.1 69.0 103.6



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: 10.315 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

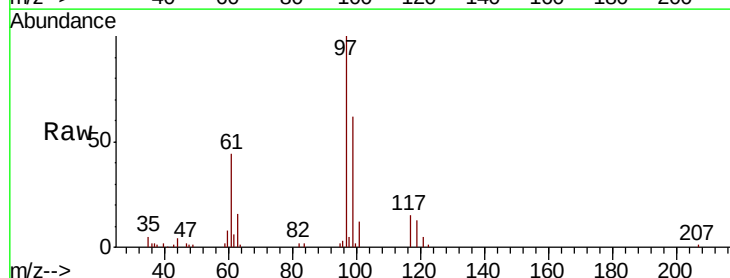
Tgt Ion: 97 Resp: 62649

Ion Ratio Lower Upper

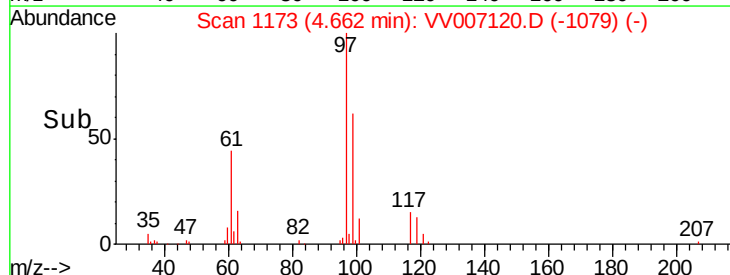
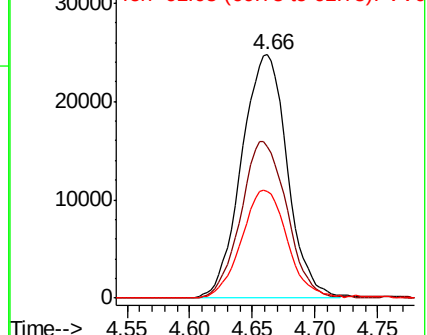
97 100

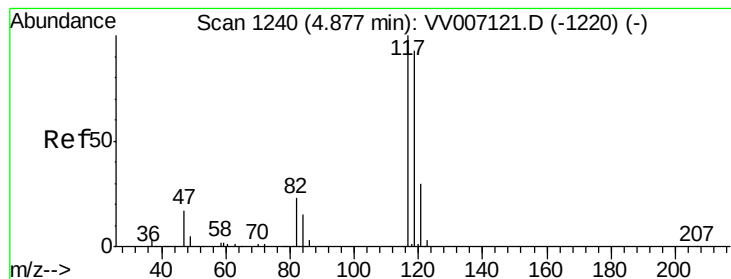
99 64.7 51.3 76.9

61 44.5 34.8 52.2



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: 10.497 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

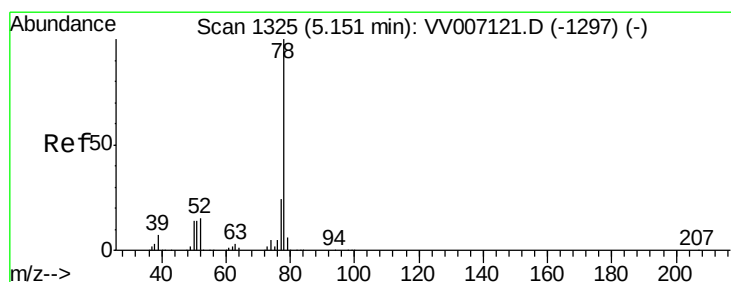
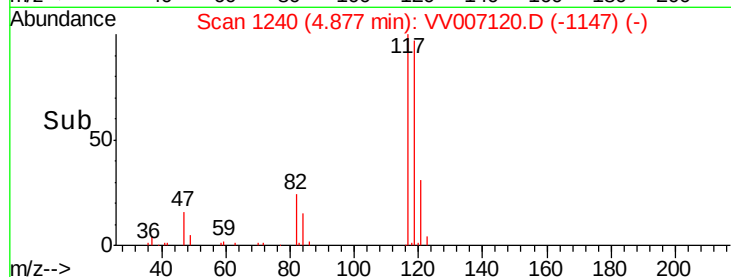
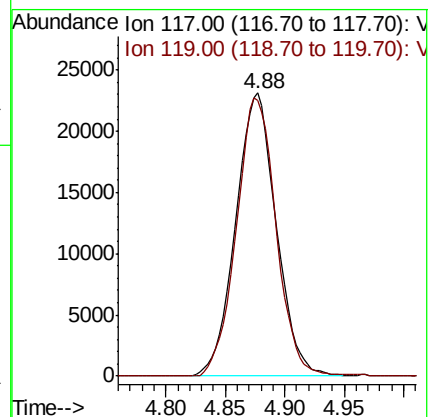
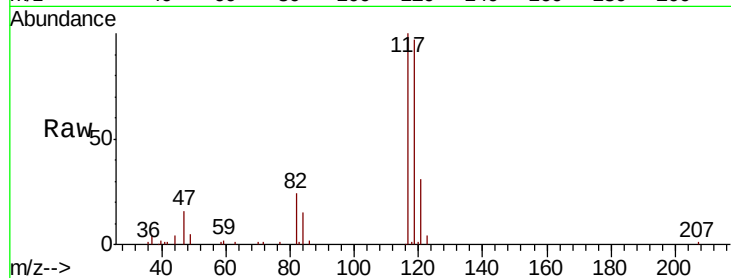
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:117 Resp: 54472

Ion Ratio Lower Upper

117 100

119 96.1 77.4 116.2



#33

Benzene

Concen: 11.435 ug/L

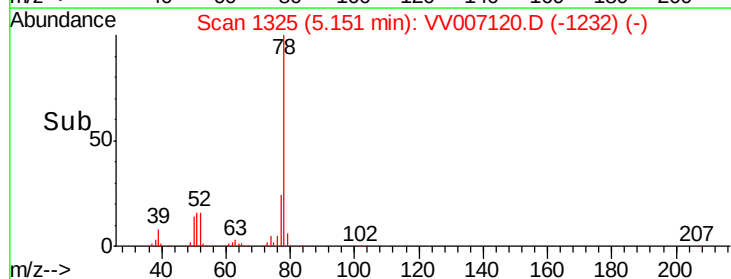
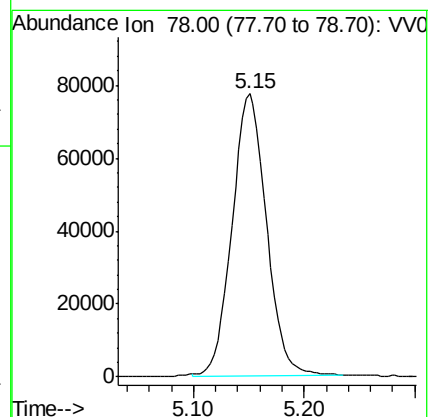
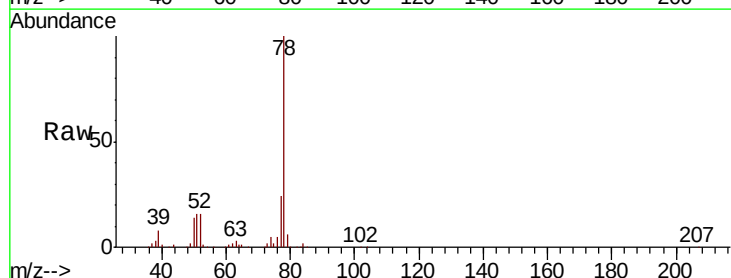
RT: 5.15 min Scan# 1325

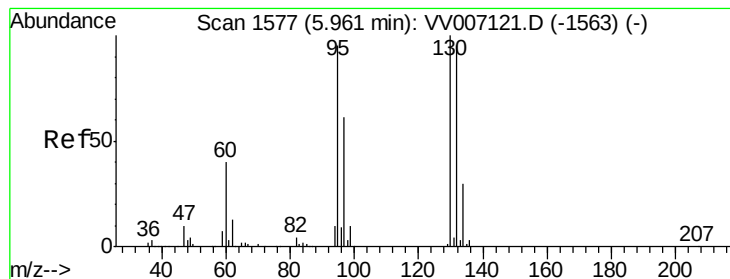
Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

Tgt Ion: 78 Resp: 167915





#34

Trichloroethene

Concen: 10.854 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 40624

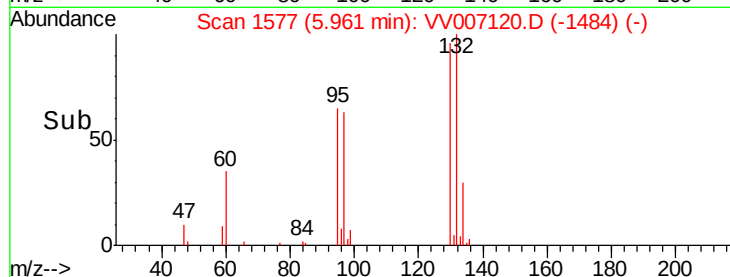
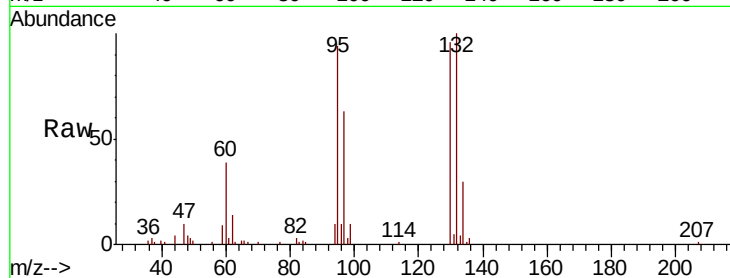
Ion Ratio Lower Upper

95 100

97 66.6 45.1 83.9

132 106.1 69.7 129.4

130 101.7 73.6 136.6

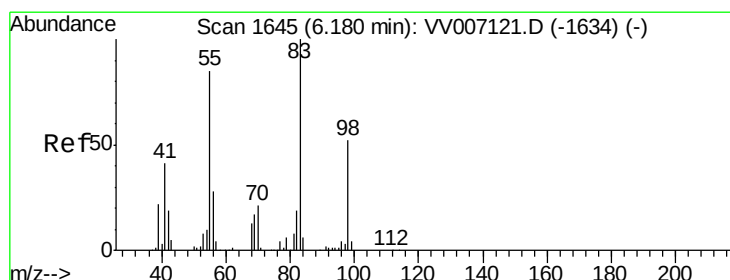
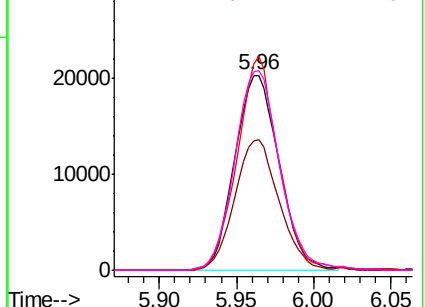


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 9.817 ug/L

RT: 6.18 min Scan# 1644

Delta R.T. -0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

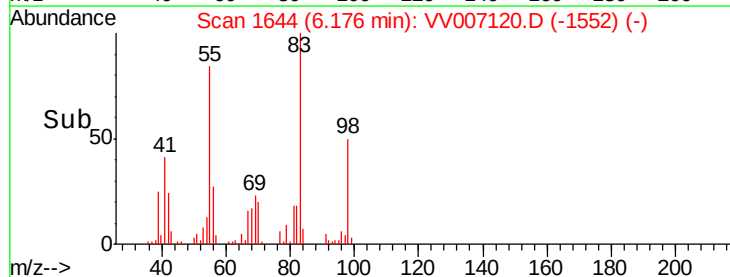
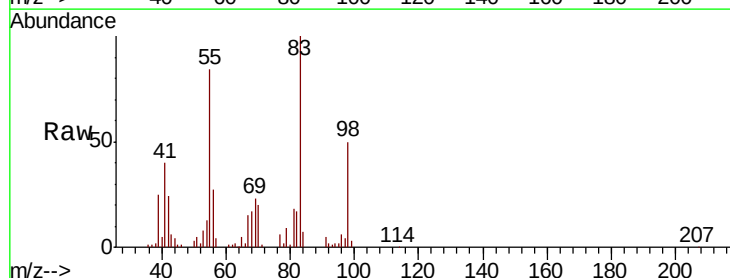
Tgt Ion: 83 Resp: 55733

Ion Ratio Lower Upper

83 100

55 83.9 65.5 98.3

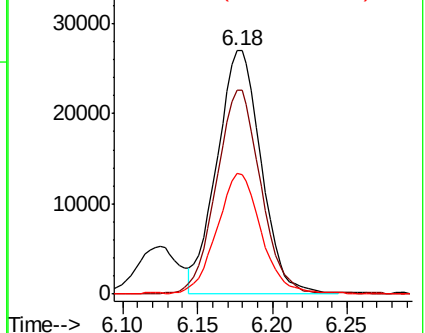
98 49.7 39.2 58.8

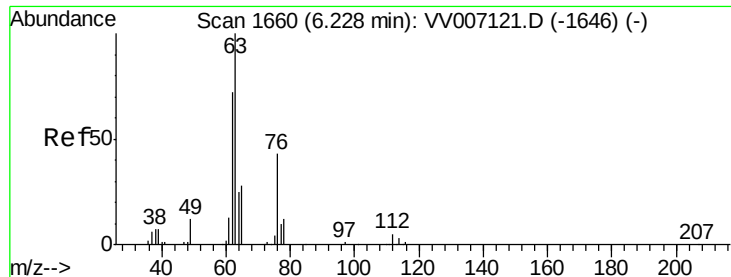


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

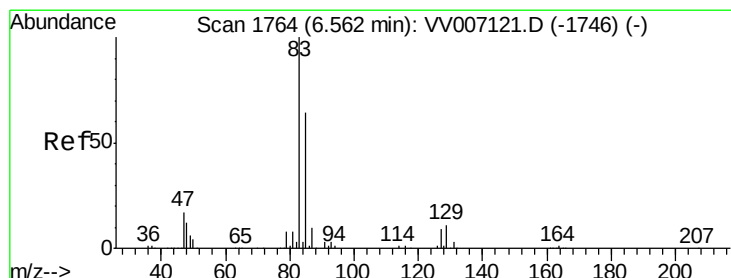
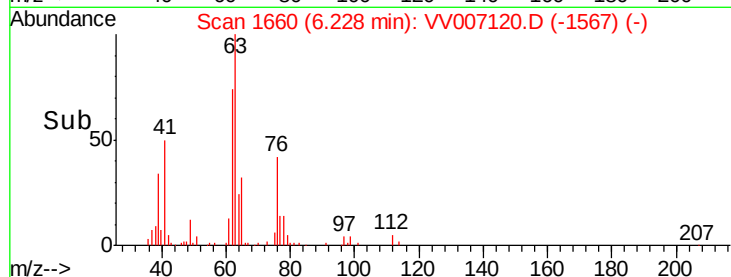
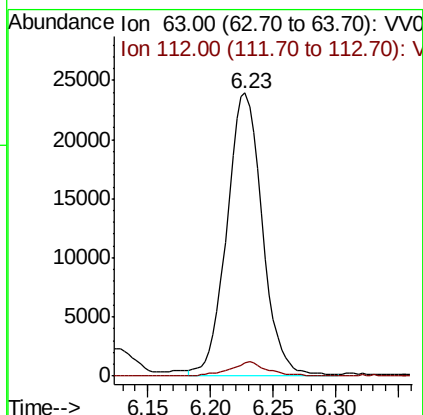
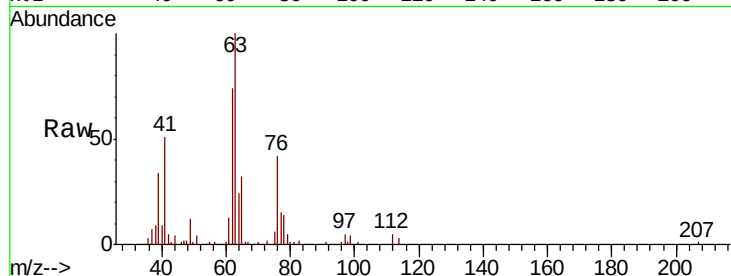




#37
 1,2-Dichloropropane
 Concen: 11.856 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV007120.D
 Acq: 22 Aug 2018 14:33

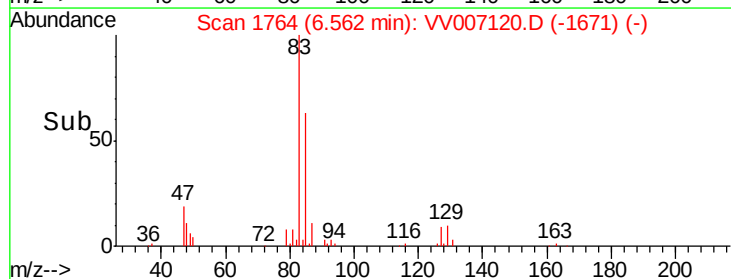
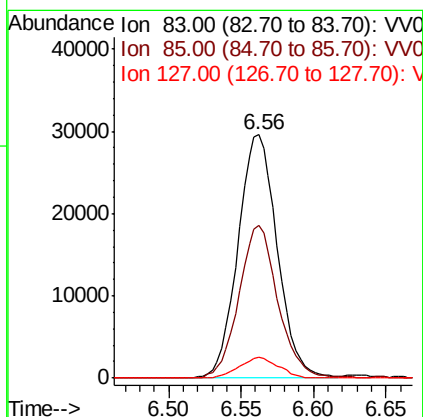
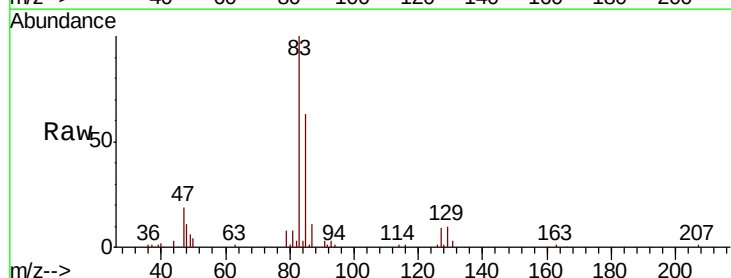
Instrument :
 MSVOA_V
 ClientSampled :

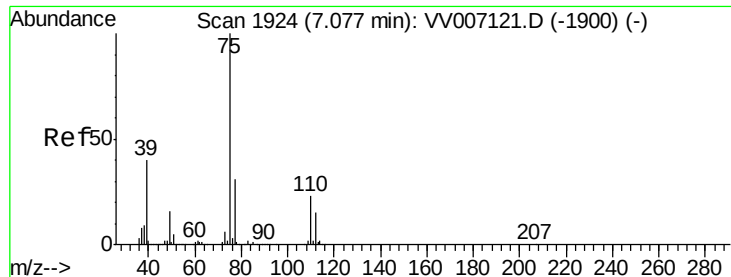
Tot Ion: 63 Resp: 47218
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.0 6.0



#38
 Bromodichloromethane
 Concen: 11.025 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV007120.D
 Acq: 22 Aug 2018 14:33

Tgt Ion: 83 Resp: 55762
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.9 83.3
 127 8.6 7.0 10.4

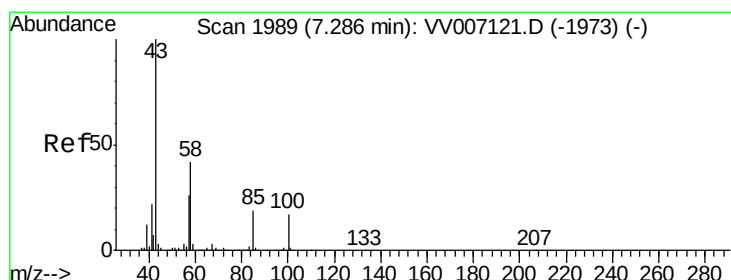
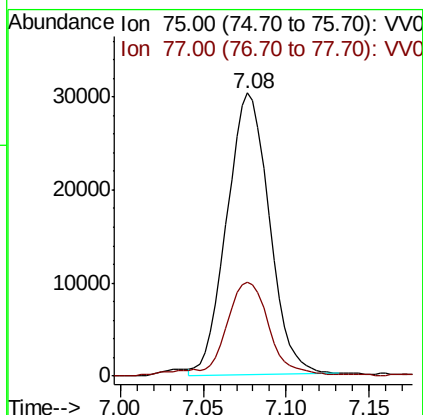
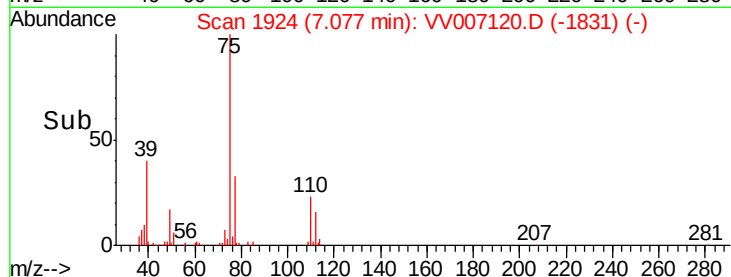
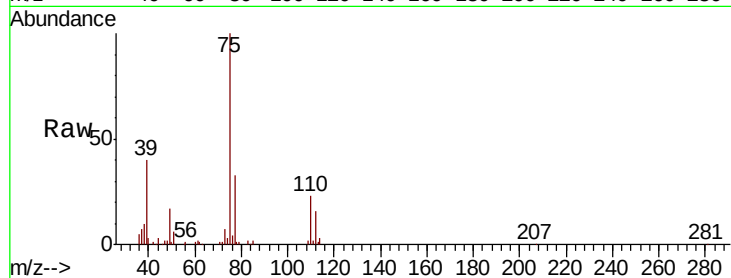




#39
 cis-1,3-Dichloropropene
 Concen: 9.549 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007120.D
 Acq: 22 Aug 2018 14:33

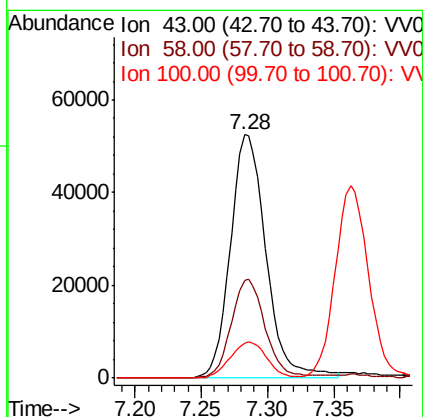
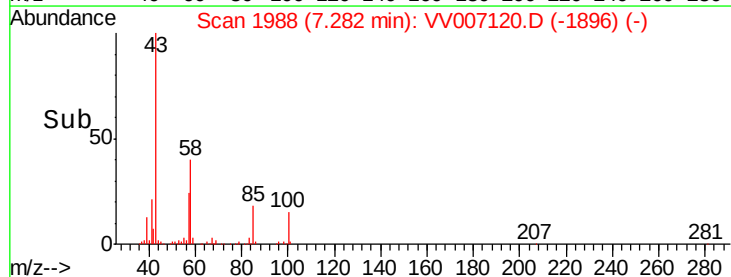
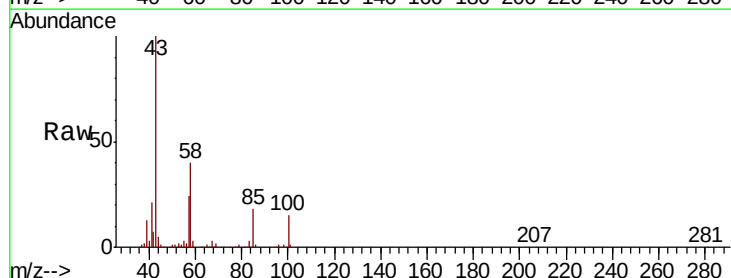
Instrument :
 MSVOA_V
 ClientSampleId :

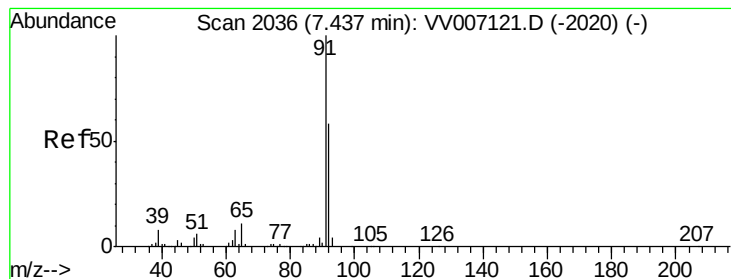
Tot Ion: 75 Resp: 53875
 Ion Ratio Lower Upper
 75 100
 77 33.0 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 17.073 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VV007120.D
 Acq: 22 Aug 2018 14:33

Tgt Ion: 43 Resp: 98278
 Ion Ratio Lower Upper
 43 100
 58 38.9 33.4 50.0
 100 15.3 13.1 19.7





#42

Toluene

Concen: 9.900 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

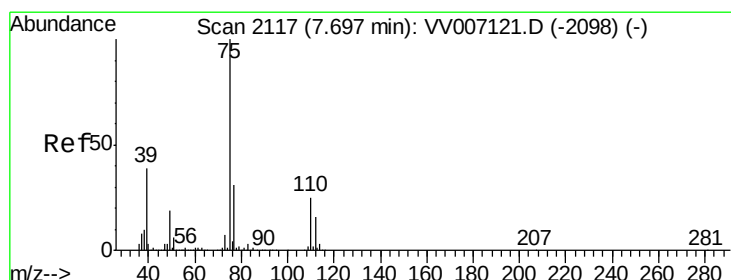
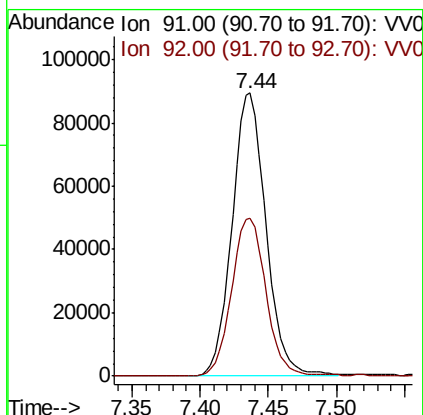
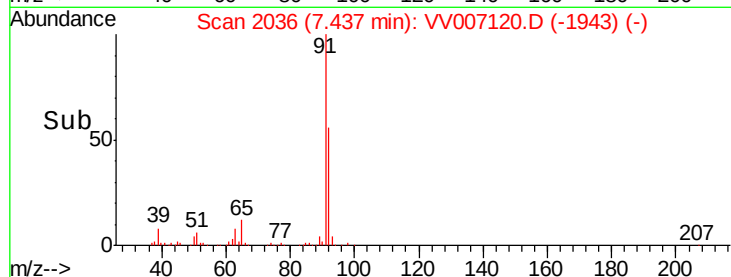
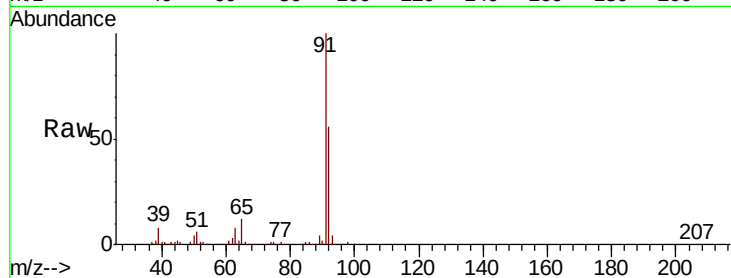
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 154354

Ion Ratio Lower Upper

91 100

92 55.9 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 9.816 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007120.D

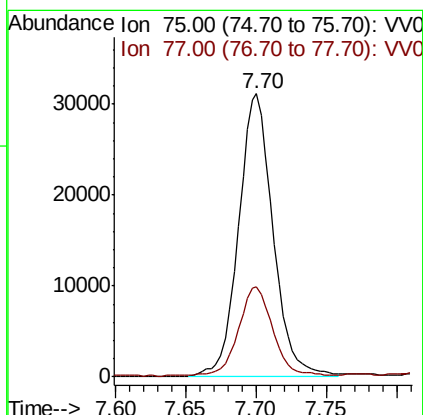
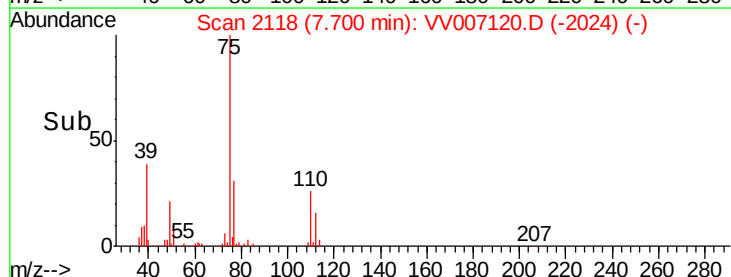
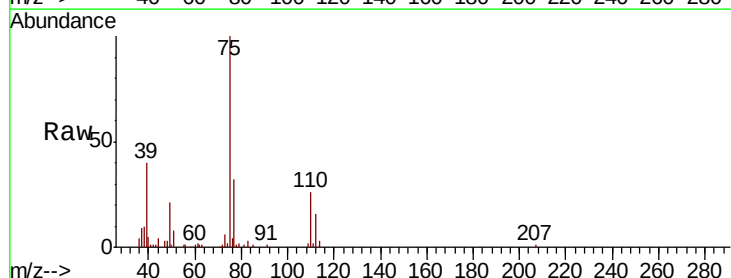
Acq: 22 Aug 2018 14:33

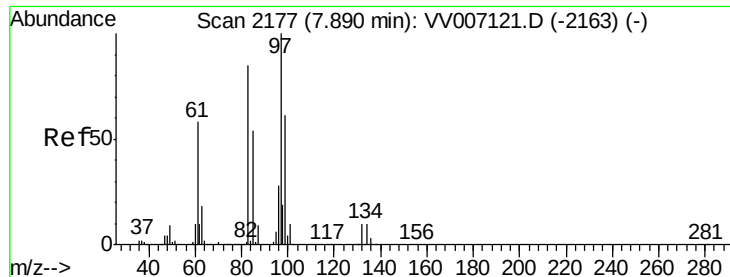
Tgt Ion: 75 Resp: 53454

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0

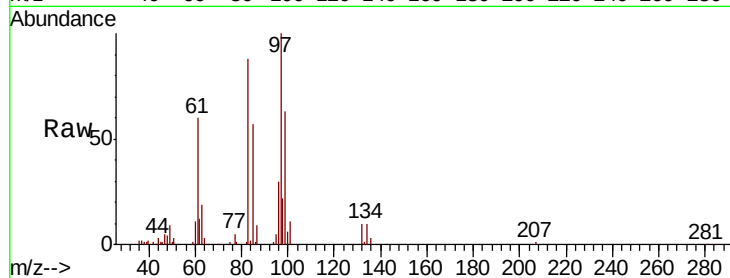




#45
 1,1,2-Trichloroethane
 Concen: 11.543 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV007120.D
 Acq: 22 Aug 2018 14:33

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	43804
Ion	Ratio	Lower	Upper
97	100		
99	62.6	42.8	79.4
83	87.5	59.6	110.8
85	56.8	37.6	69.8



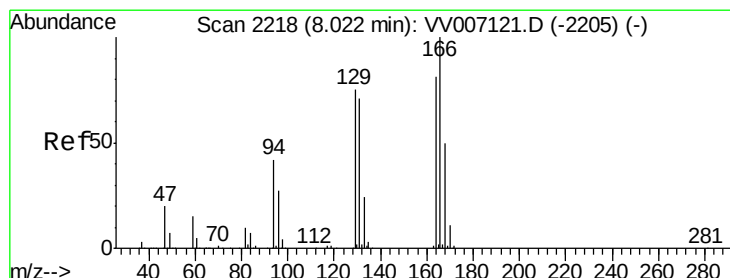
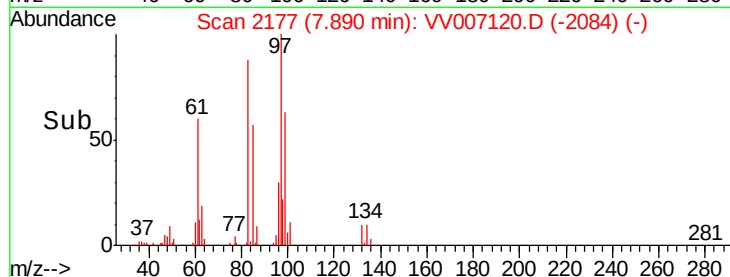
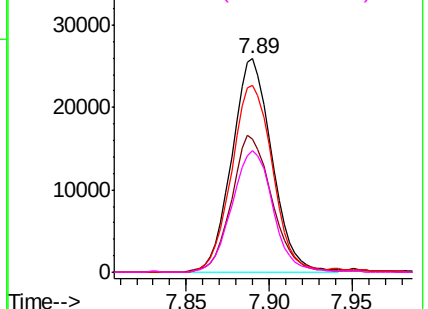
Abundance

Ion 97.00 (96.70 to 97.70): VV007121.D (-2163) (-)

Ion 99.00 (98.70 to 99.70): VV007121.D (-2163) (-)

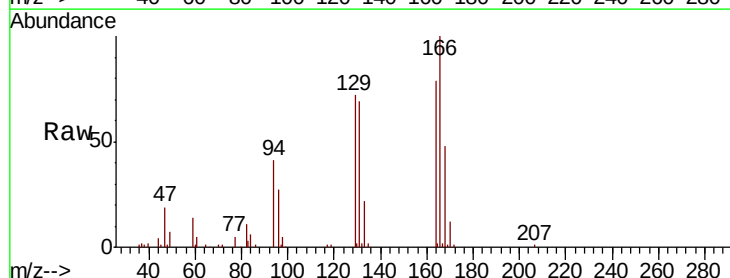
Ion 83.00 (82.70 to 83.70): VV007121.D (-2163) (-)

Ion 85.00 (84.70 to 85.70): VV007121.D (-2163) (-)



#46
 Tetrachloroethene
 Concen: 11.409 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007120.D
 Acq: 22 Aug 2018 14:33

Tgt Ion:	164	Resp:	33474
Ion	Ratio	Lower	Upper
164	100		
129	91.0	64.5	119.9
131	87.4	61.7	114.7
166	126.3	86.5	160.6



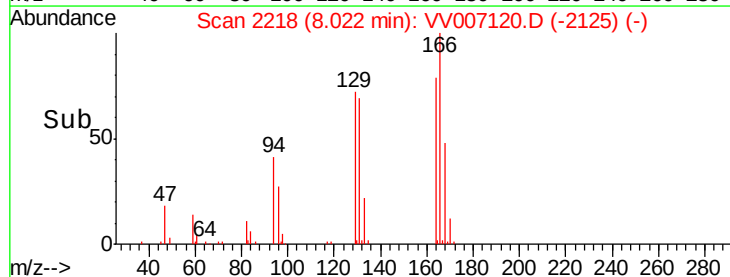
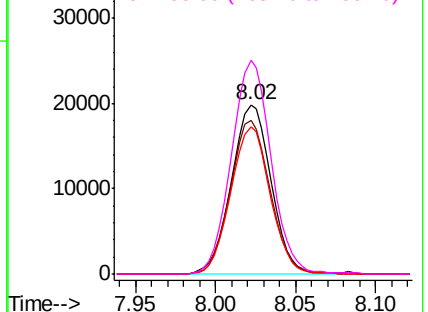
Abundance

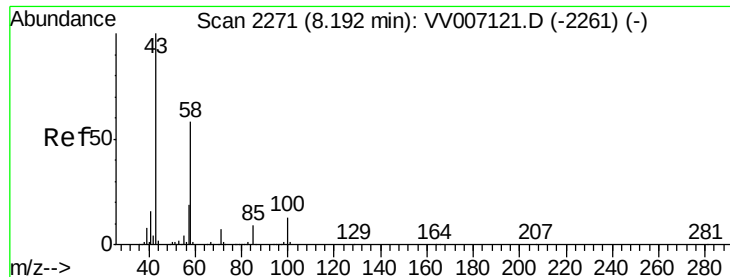
Ion 164.00 (163.70 to 164.70): VV007121.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VV007121.D (-2205) (-)

Ion 131.00 (130.70 to 131.70): VV007121.D (-2205) (-)

Ion 166.00 (165.70 to 166.70): VV007121.D (-2205) (-)

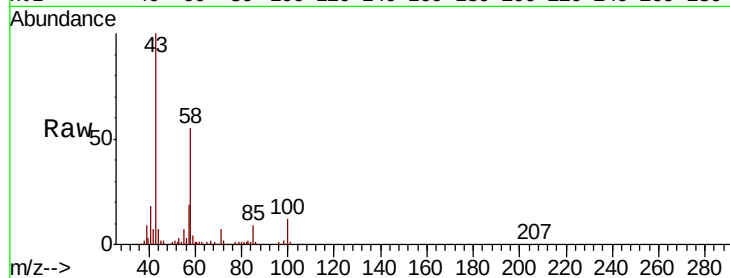




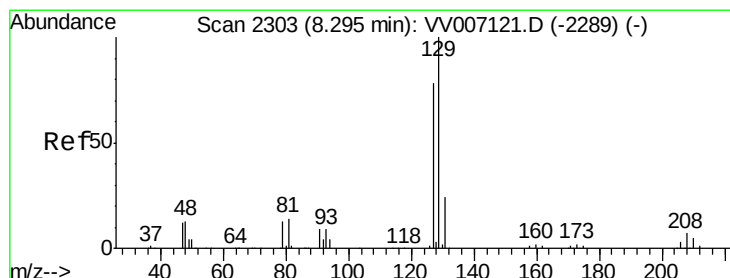
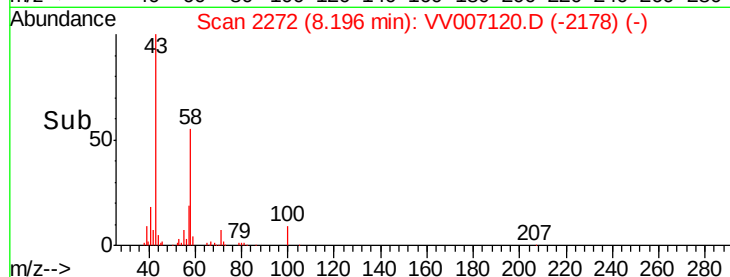
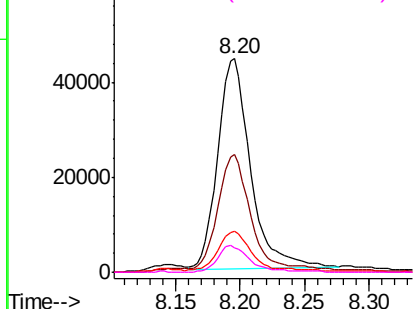
#48
2-Hexanone
Concen: 16.631 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007120.D
Acq: 22 Aug 2018 14:33

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 79115
Ion Ratio Lower Upper
43 100
58 53.7 47.9 71.9
57 18.8 15.8 23.8
100 11.9 10.6 16.0

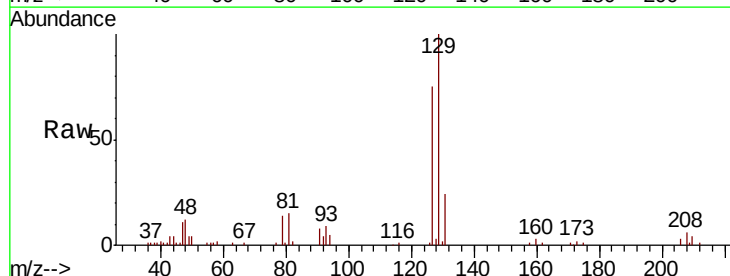


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

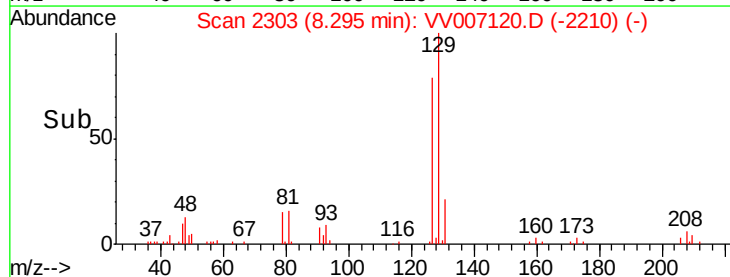
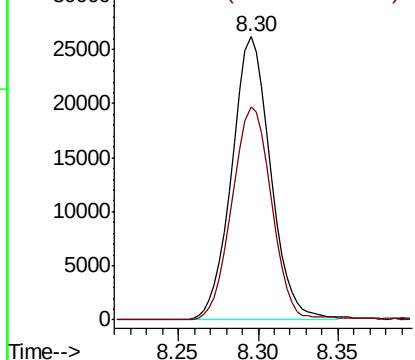


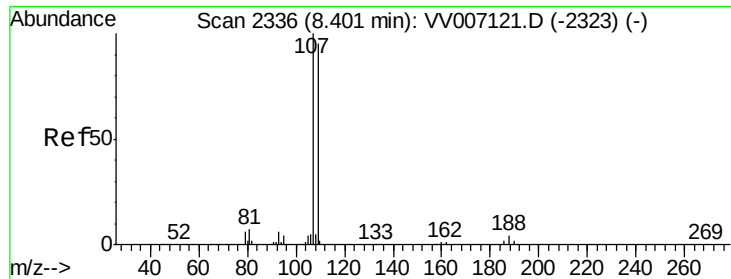
#49
Dibromochloromethane
Concen: 11.137 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007120.D
Acq: 22 Aug 2018 14:33

Tgt Ion: 129 Resp: 43325
Ion Ratio Lower Upper
129 100
127 75.2 54.3 100.8



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

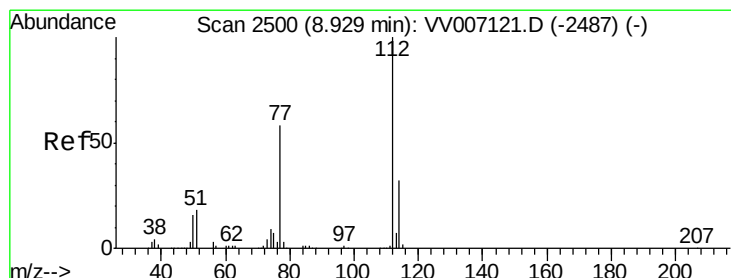
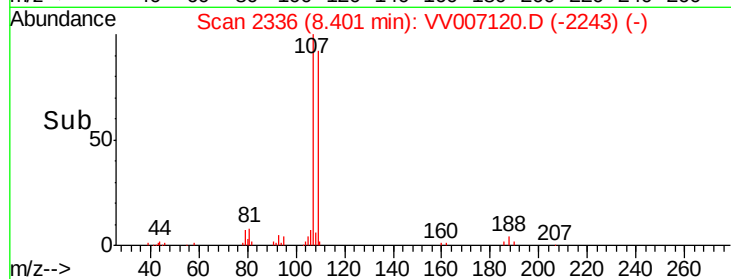
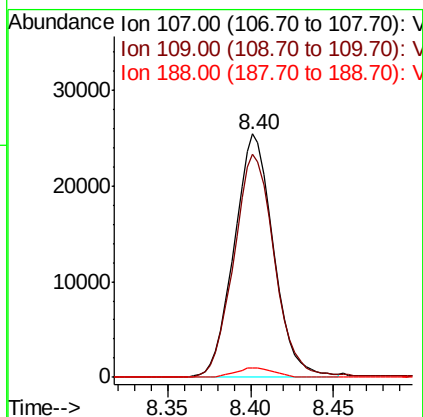
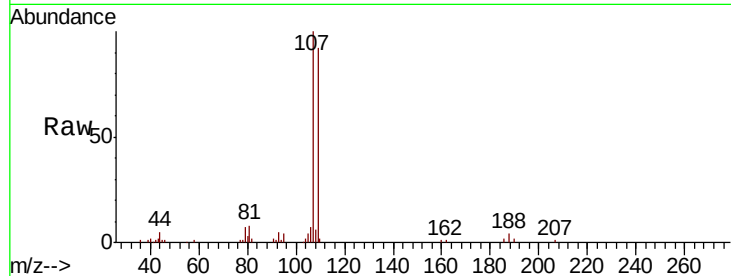




#50
 1,2-Dibromoethane
 Concen: 10.691 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. 0.00 min
 Lab File: VV007120.D
 Acq: 22 Aug 2018 14:33

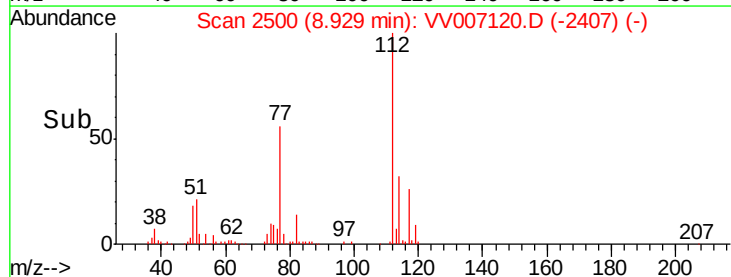
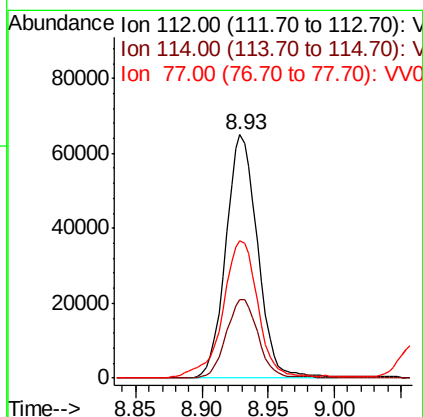
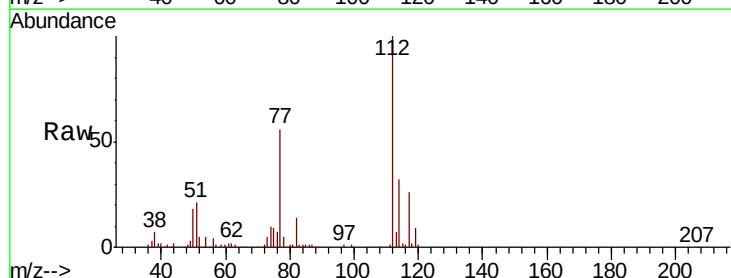
Instrument :
 MSVOA_V
 ClientSampleId :

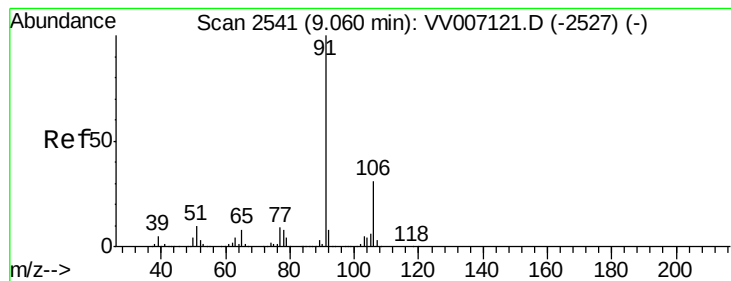
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.8	66.5	123.5
188	3.9	3.3	4.9



#51
 Chlorobenzene
 Concen: 10.445 ug/L
 RT: 8.93 min Scan# 2500
 Delta R.T. 0.00 min
 Lab File: VV007120.D
 Acq: 22 Aug 2018 14:33

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.3	41.3
77	56.2	46.6	70.0





#52

Ethylbenzene

Concen: 8.602 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

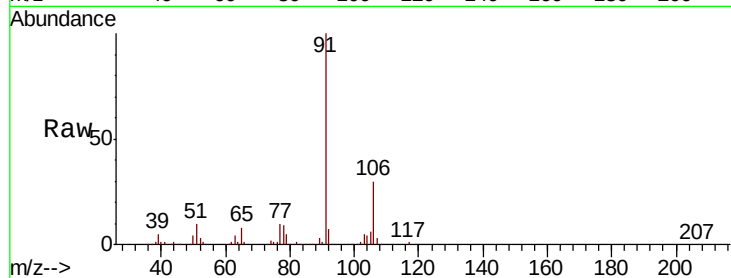
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 148196

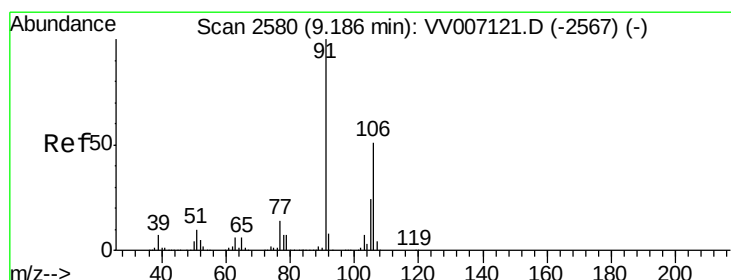
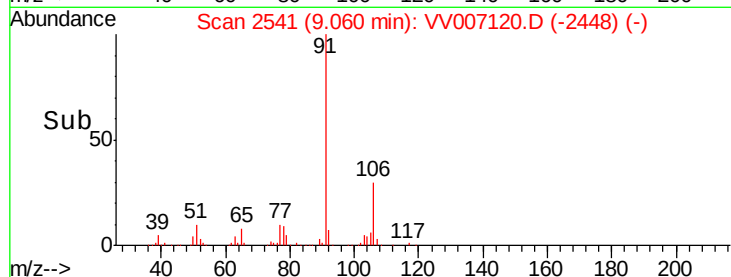
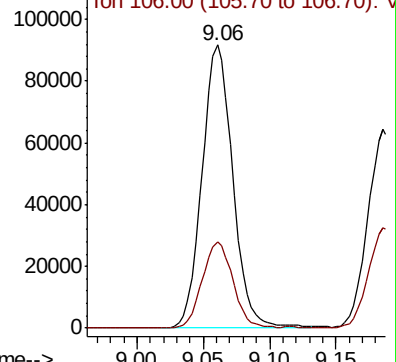
Ion Ratio Lower Upper

91 100

106 30.4 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VV007120.D (-2448) (-)



#53

m,p-Xylene

Concen: 8.434 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007120.D

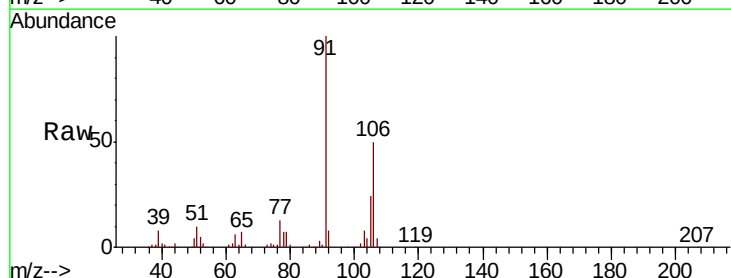
Acq: 22 Aug 2018 14:33

Tgt Ion: 106 Resp: 53490

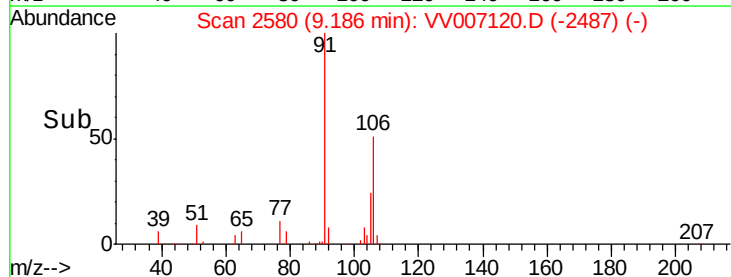
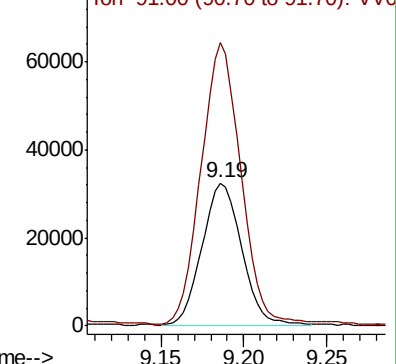
Ion Ratio Lower Upper

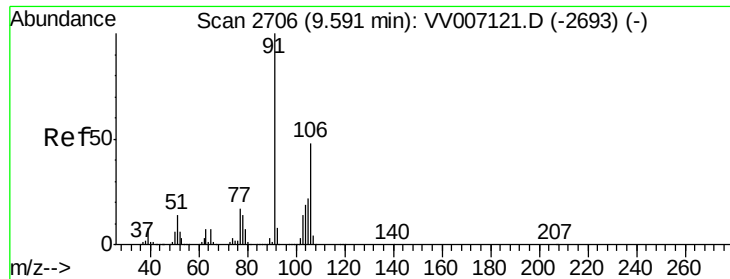
106 100

91 198.1 138.7 257.5



Abundance Ion 106.00 (105.70 to 106.70): VV007120.D (-2487) (-)





#54

o-xylene

Concen: 8.230 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

Instrument :

MSVOA_V

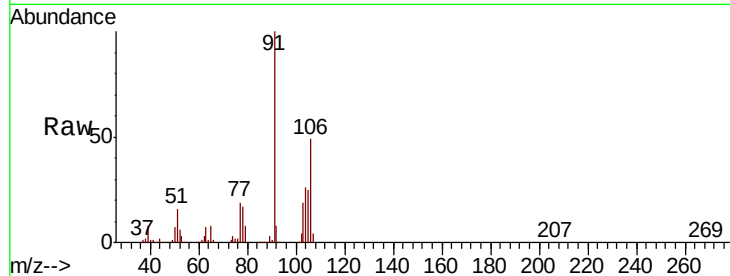
ClientSampleId :

Tot Ion:106 Resp: 52383

Ion Ratio Lower Upper

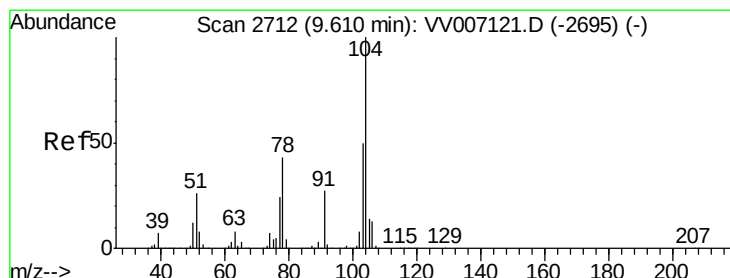
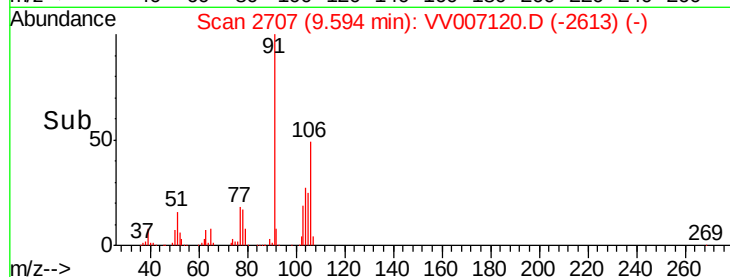
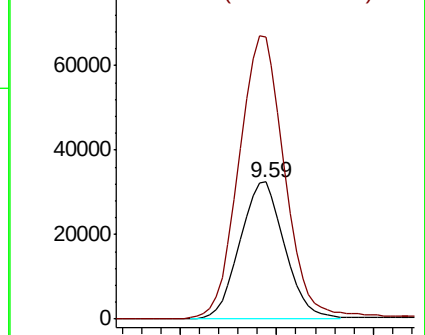
106 100

91 205.7 146.3 271.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 7.806 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007120.D

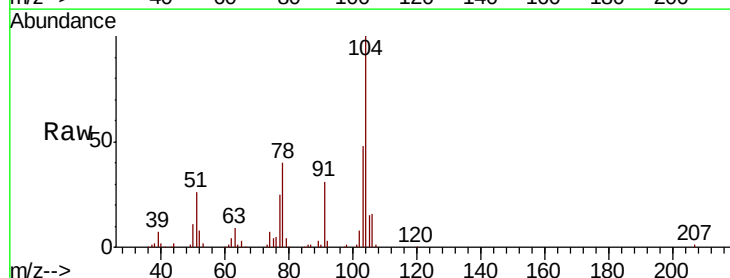
Acq: 22 Aug 2018 14:33

Tgt Ion:104 Resp: 85673

Ion Ratio Lower Upper

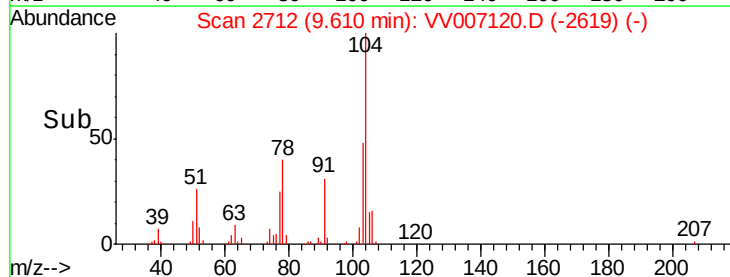
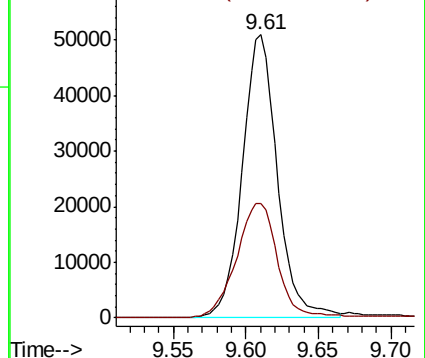
104 100

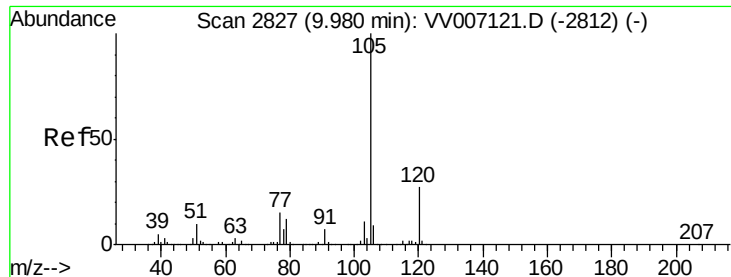
78 40.4 30.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 7.644 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

Instrument :

MSVOA_V

ClientSampleId :

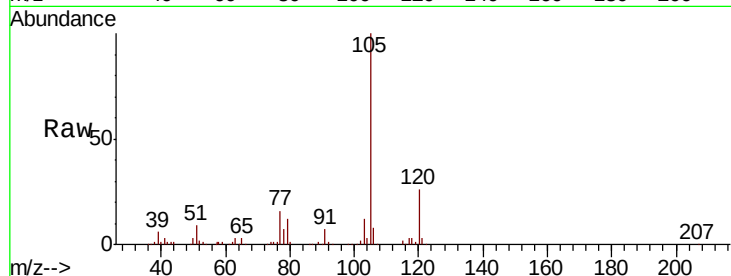
Tot Ion:105 Resp: 129728

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

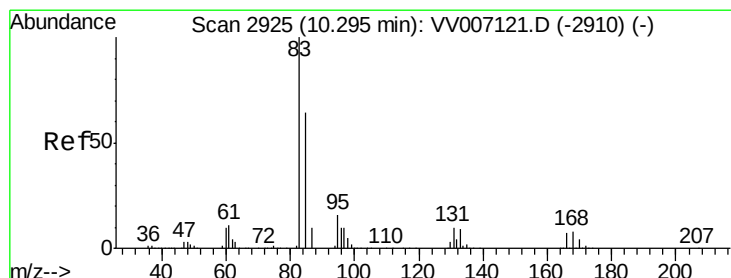
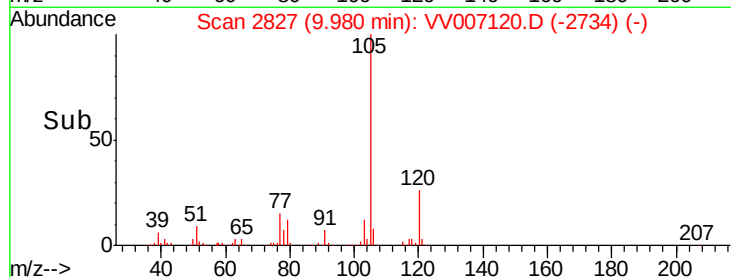
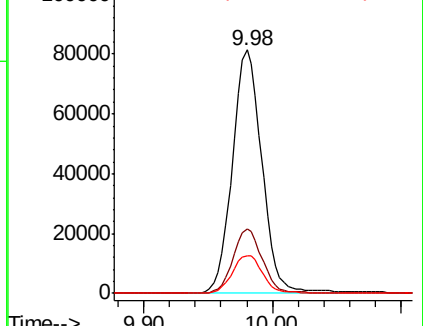
77 16.1 12.4 18.6



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: 11.489 ug/L

RT: 10.30 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

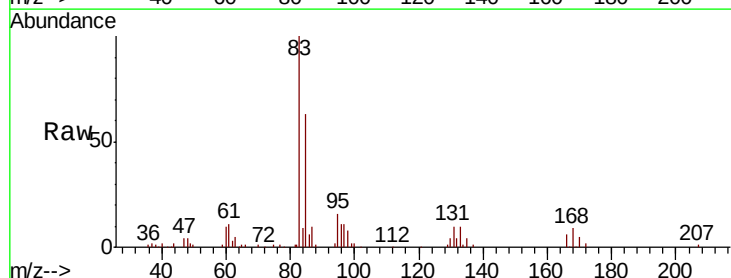
Tgt Ion: 83 Resp: 74954

Ion Ratio Lower Upper

83 100

85 62.6 45.2 84.0

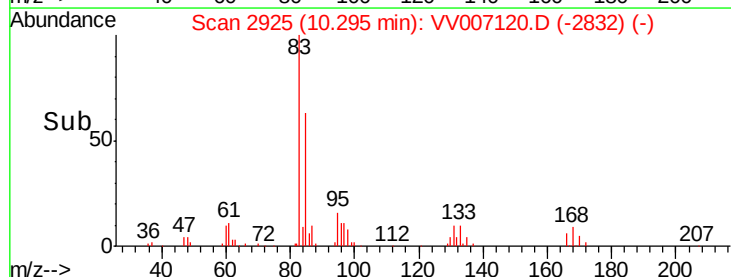
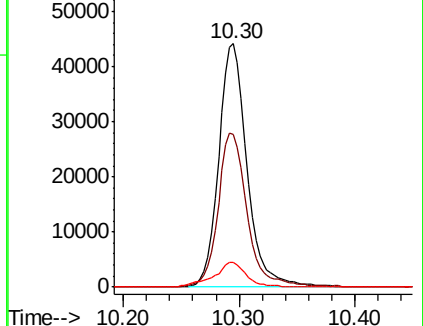
131 10.0 7.8 11.8

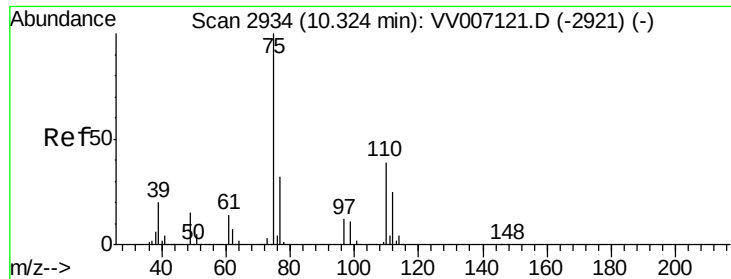


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 11.030 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

Instrument :

MSVOA_V

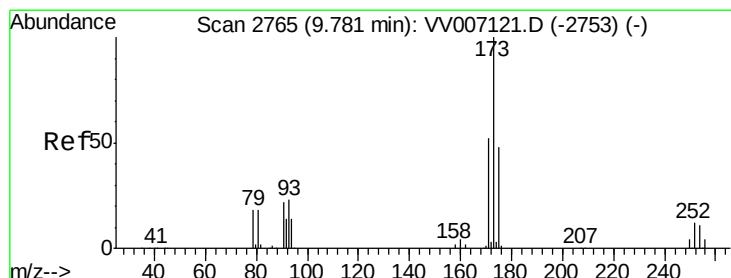
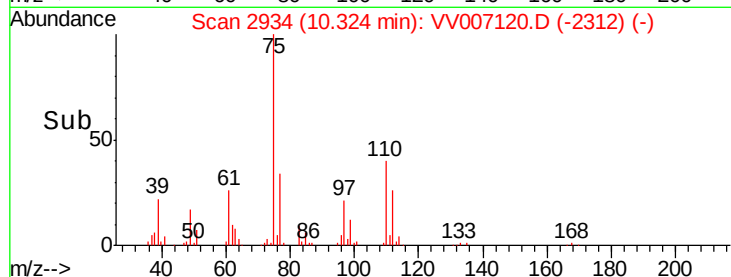
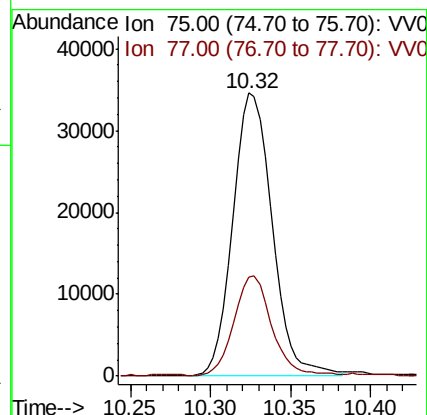
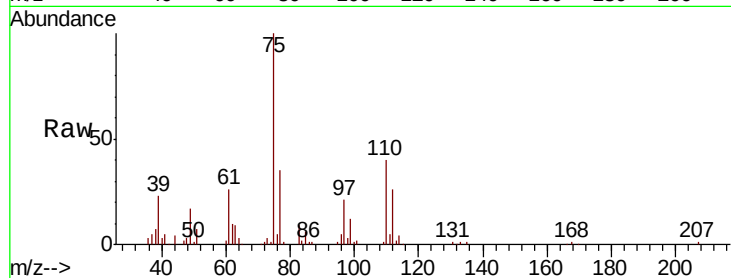
ClientSampleId :

Tot Ion: 75 Resp: 58227

Ion Ratio Lower Upper

75 100

77 34.4 25.8 38.8



#61

Bromoform

Concen: 13.975 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

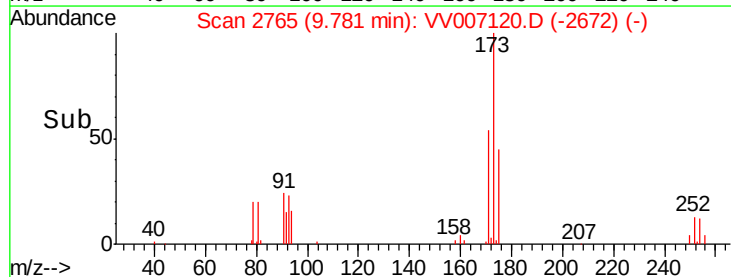
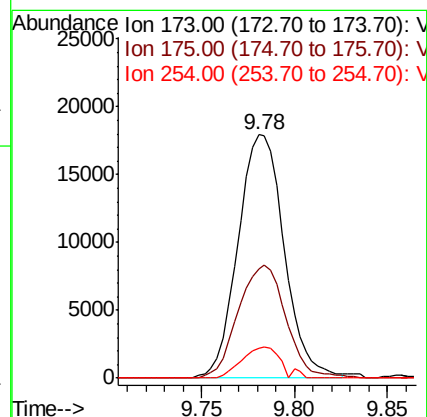
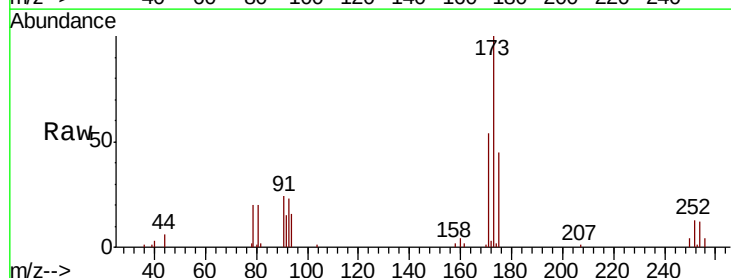
Tgt Ion: 173 Resp: 31061

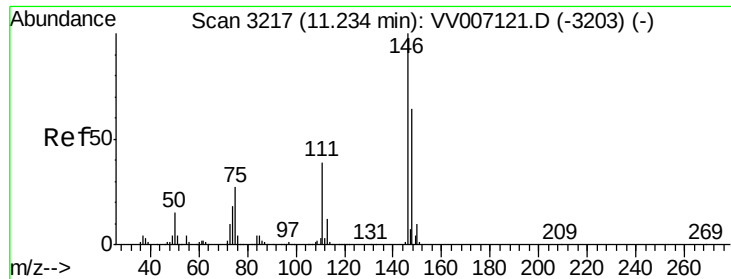
Ion Ratio Lower Upper

173 100

175 47.9 37.9 56.9

254 10.1 9.2 13.8





#62

1,3-Dichlorobenzene

Concen: 10.344 ug/L

RT: 11.23 min Scan# 3217

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

Instrument :

MSVOA_V

ClientSampled :

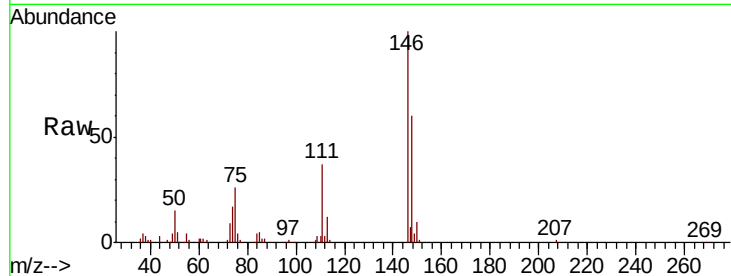
Tot Ion:146 Resp: 66770

Ion Ratio Lower Upper

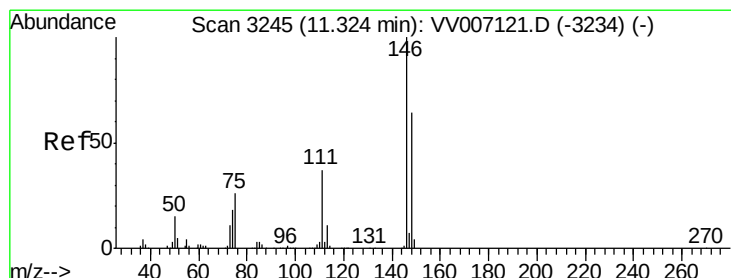
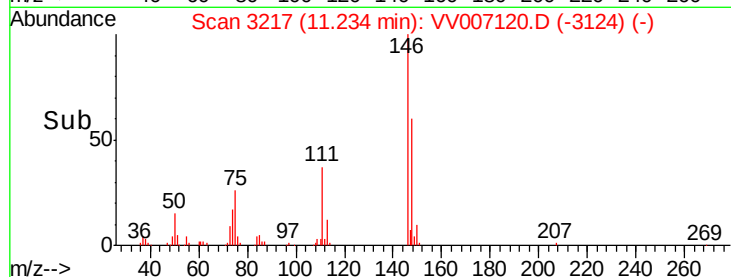
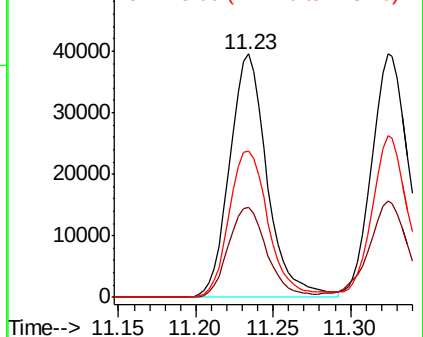
146 100

111 37.1 27.1 50.3

148 60.3 44.5 82.7



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



#63

1,4-Dichlorobenzene

Concen: 9.878 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

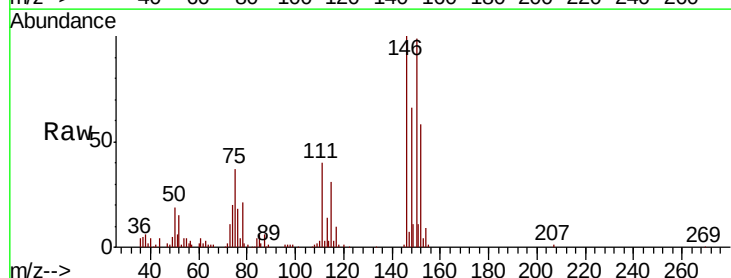
Tgt Ion:146 Resp: 68652

Ion Ratio Lower Upper

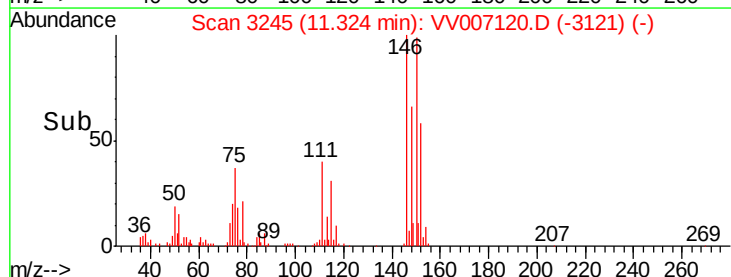
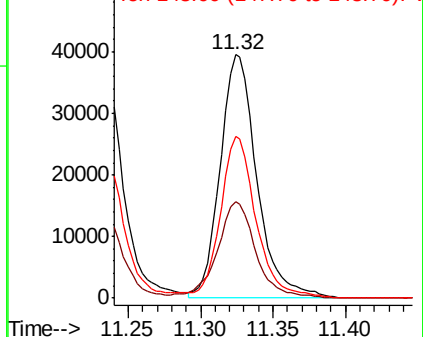
146 100

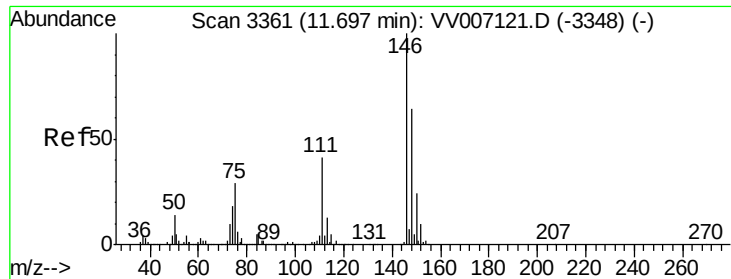
111 39.8 26.2 48.6

148 66.4 44.7 82.9



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





#65

1,2-Dichlorobenzene

Concen: 10.438 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

Instrument :

MSVOA_V

ClientSampled :

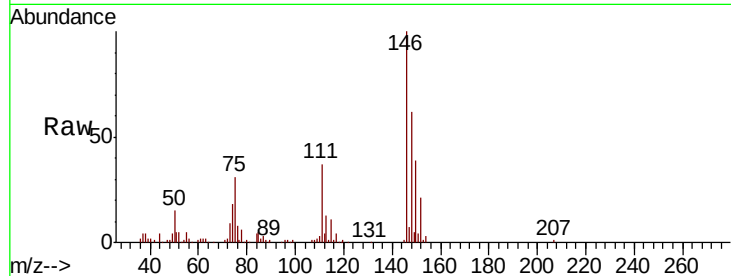
Tot Ion:146 Resp: 73096

Ion Ratio Lower Upper

146 100

111 37.2 32.5 48.7

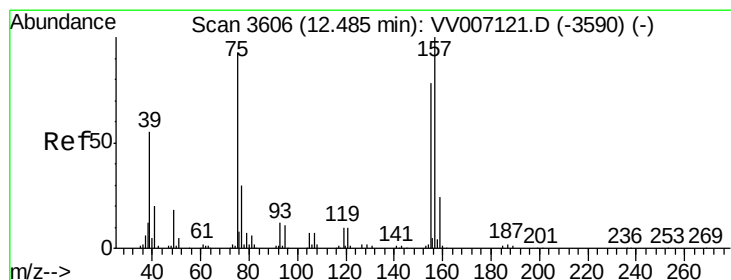
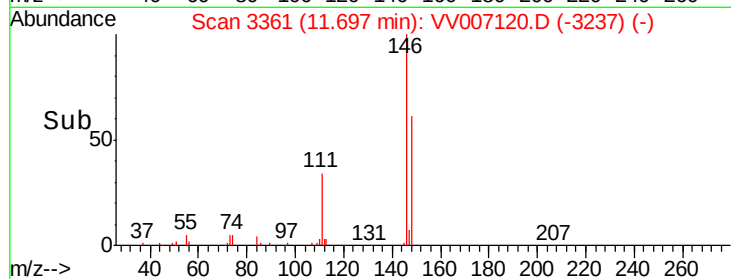
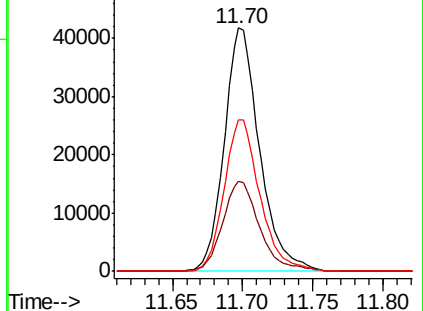
148 62.1 50.8 76.2



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: 9.841 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

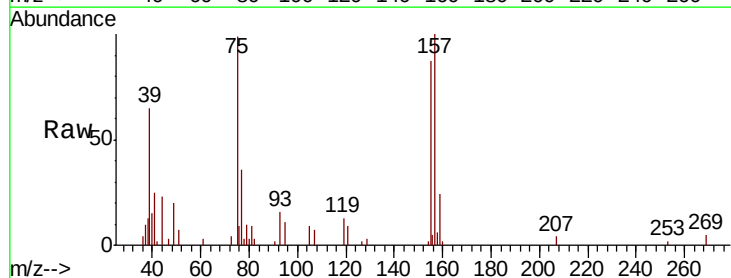
Tgt Ion: 75 Resp: 10839

Ion Ratio Lower Upper

75 100

155 88.0 66.8 100.2

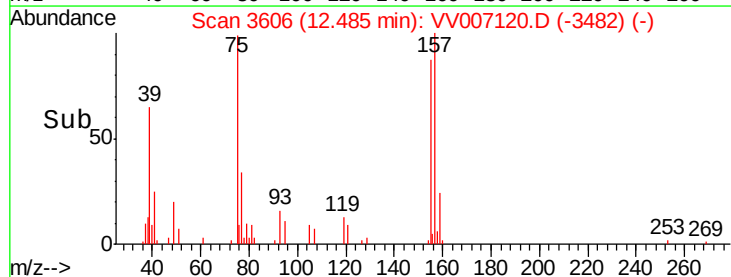
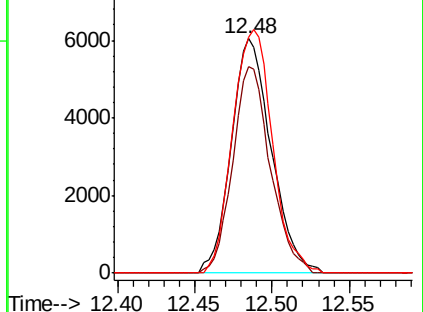
157 101.0 85.8 128.8

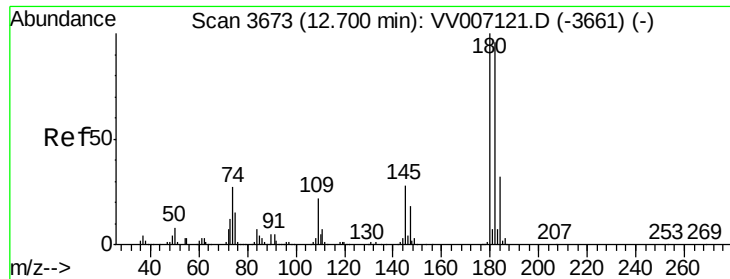


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

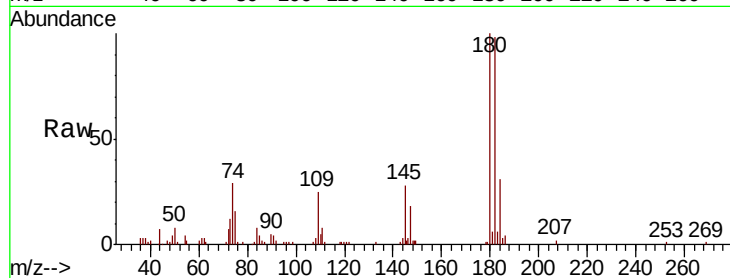




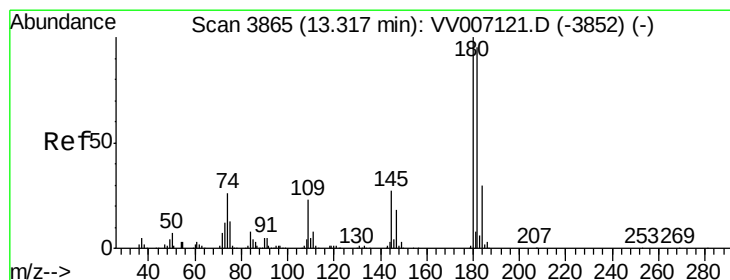
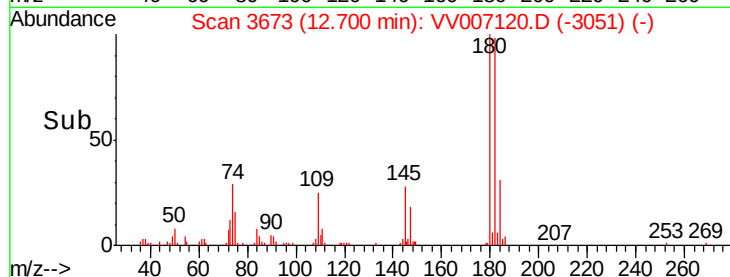
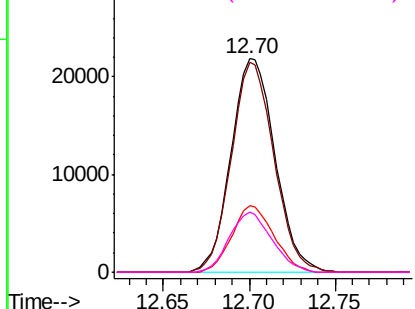
#67
 1,3,5-Trichlorobenzene
 Concen: 8.421 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007120.D
 Acq: 22 Aug 2018 14:33

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	38895
Ion	Ratio	Lower Upper
180	100	
182	95.2	76.4 114.6
184	29.7	24.6 37.0
145	27.0	22.6 33.8

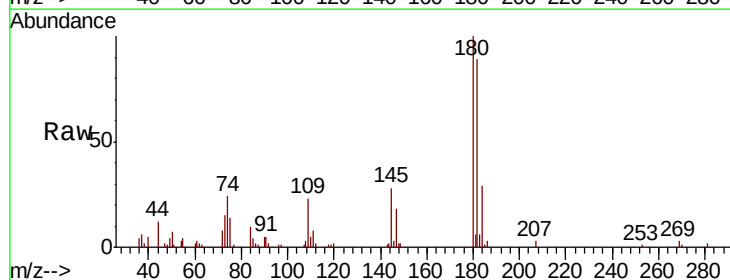


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

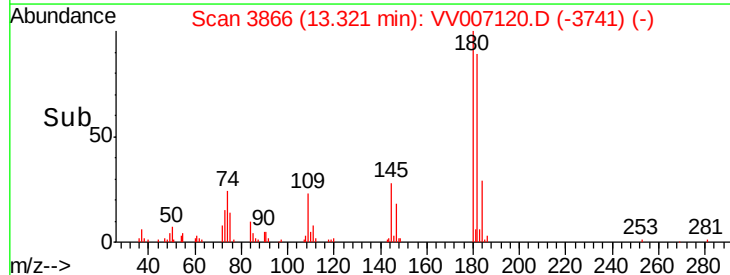
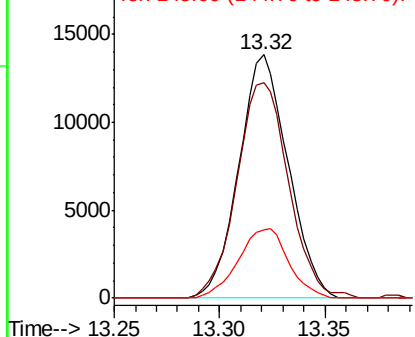


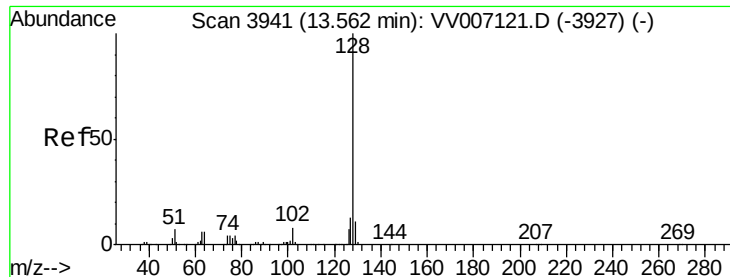
#68
 1,2,4-trichlorobenzene
 Concen: 6.044 ug/L
 RT: 13.32 min Scan# 3866
 Delta R.T. 0.00 min
 Lab File: VV007120.D
 Acq: 22 Aug 2018 14:33

Tgt Ion:180	Resp:	22436
Ion	Ratio	Lower Upper
180	100	
182	92.8	77.0 115.6
145	29.1	22.7 34.1



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: 4.612 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

Instrument :

MSVOA_V

ClientSampleId :

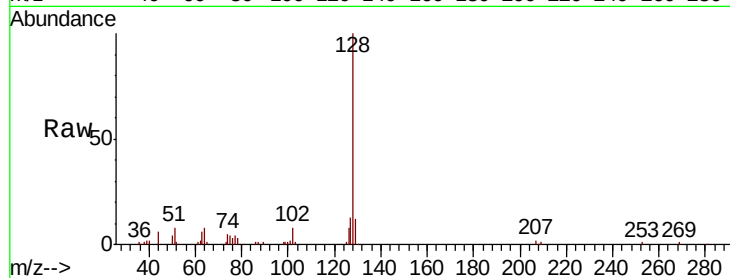
Tot Ion:128 Resp: 52497

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 10.8 8.7 13.1

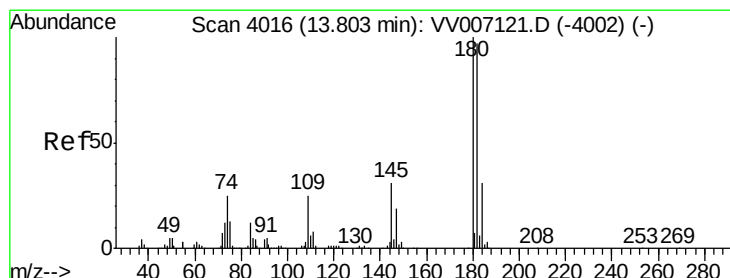
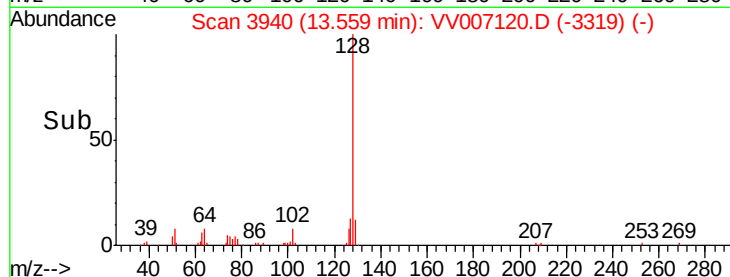
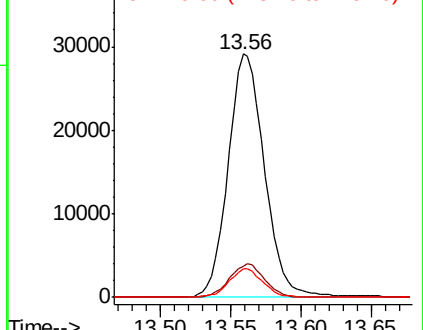


Abundance

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: 6.267 ug/L

RT: 13.80 min Scan# 4016

Delta R.T. 0.00 min

Lab File: VV007120.D

Acq: 22 Aug 2018 14:33

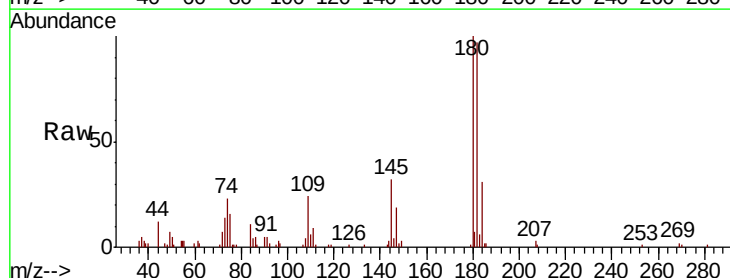
Tgt Ion:180 Resp: 24901

Ion Ratio Lower Upper

180 100

182 94.0 76.2 114.2

145 31.0 24.2 36.4



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

