

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV083018\
 Data File : VV007266.D
 Acq On : 30 Aug 2018 16:32
 Operator : SY/MD
 Sample : VSTD01066
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 31 01:34:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR083018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 31 01:32:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	320488	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	315070	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	158590	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	278907	11.60	ug/L	0.00
7) Chloroethane-d5	1.58	69	208969	10.99	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	458605	11.22	ug/L	0.00
20) 2-Butanone-d5	3.96	46	559462	100.13	ug/L	0.00
24) Chloroform-d	4.41	84	487327	10.37	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	225282	9.75	ug/L	0.00
32) Benzene-d6	5.10	84	1019603	11.10	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	305390	10.30	ug/L	0.00
41) Toluene-d8	7.36	98	945372	11.76	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	111286	10.59	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	427546	143.81	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	217843	9.69	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	308045	10.02	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	246429	9.944 ug/L	# 86
3) Chloromethane	1.25	50	311128	11.606 ug/L	99
5) Vinyl chloride	1.32	62	298435	11.594 ug/L	99
6) Bromomethane	1.54	94	144305	14.517 ug/L	100
8) Chloroethane	1.60	64	168732	10.922 ug/L	99
9) Trichlorofluoromethane	1.77	101	380570	10.830 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	230941	10.564 ug/L	99
12) 1,1-Dichloroethene	2.14	96	219709	11.115 ug/L	99
13) Acetone	2.21	43	276319	97.805 ug/L	100
14) Carbon disulfide	2.32	76	721961	12.012 ug/L	100
15) Methyl Acetate	2.47	43	74438	9.924 ug/L	100
16) Methylene chloride	2.54	84	233400	9.829 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	498767	10.074 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	240690	10.936 ug/L	97
19) 1,1-Dichloroethane	3.23	63	469238	10.857 ug/L	99
21) 2-Butanone	4.05	43	572709	99.603 ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	270769	10.818 ug/L	99
23) Bromochloromethane	4.31	128	116249	10.371 ug/L	95
25) Chloroform	4.43	83	459009	10.395 ug/L	100
27) 1,2-Dichloroethane	5.19	62	265910	10.336 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	392921	10.667 ug/L	100
30) Cyclohexane	4.73	56	411419	12.356 ug/L	97
31) Carbon tetrachloride	4.88	117	346178	11.021 ug/L	100
33) Benzene	5.15	78	1084055	11.466 ug/L	100
34) Trichloroethene	5.96	95	255066	10.750 ug/L	99
35) Methylcyclohexane	6.18	83	443464	12.535 ug/L	98
37) 1,2-Dichloropropane	6.23	63	271804	10.913 ug/L	100
38) Bromodichloromethane	6.56	83	314567	10.574 ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	355337	11.504 ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	1354659	106.982 ug/L	99

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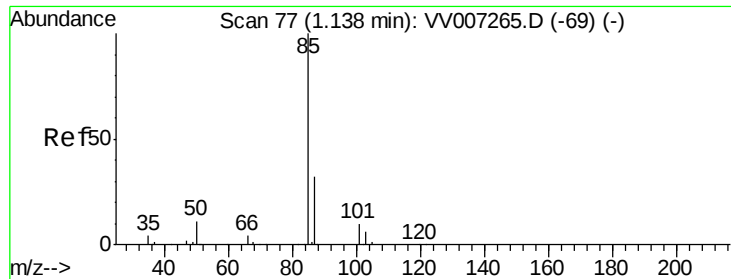
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 31 01:34:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR083018WMA.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.44	91	1112565	11.914	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	294509	11.395	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	176214	10.043	ug/L	99
47) Tetrachloroethene	8.02	164	219433	11.147	ug/L	99
48) 2-Hexanone	8.19	43	974801	103.712	ug/L	97
49) Dibromochloromethane	8.30	129	207921	10.403	ug/L	99
50) 1,2-Dibromoethane	8.40	107	157053	10.381	ug/L	99
51) Chlorobenzene	8.93	112	694398	11.080	ug/L	99
52) Ethylbenzene	9.06	91	1152081	12.274	ug/L	99
53) m,p-xylene	9.19	106	455508	12.614	ug/L	97
54) o-xylene	9.59	106	423969	12.670	ug/L	99
55) Styrene	9.61	104	771630	13.103	ug/L	97
56) Isopropylbenzene	9.98	105	1109487	12.582	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	210322	10.206	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	148951	10.078	ug/L	98
61) Bromoform	9.78	173	112568	9.604	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	497069	10.470	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	531863	10.553	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	497144	10.426	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	29598	10.367	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	396102	11.147	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	309250	12.633	ug/L	98
69) Naphthalene	13.56	128	470415	14.602	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	298136	12.460	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 9.944 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

Instrument :

MSVOA_V

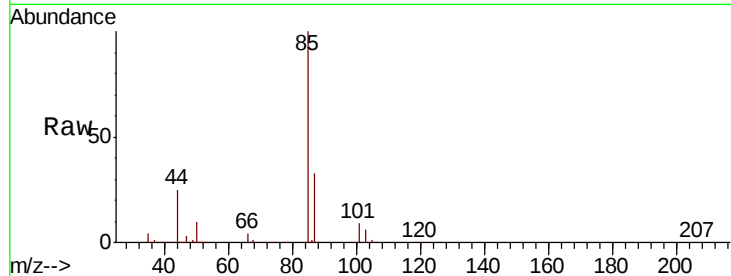
ClientSampleId :

Tot Ion: 85 Resp: 246429

Ion Ratio Lower Upper

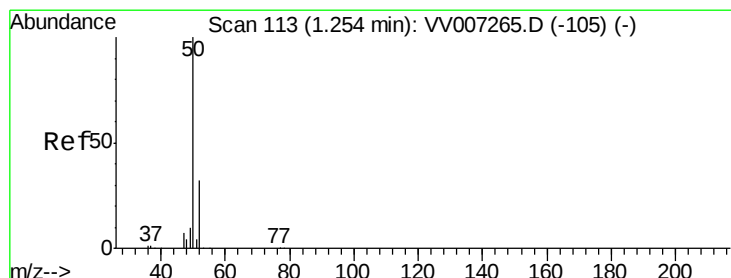
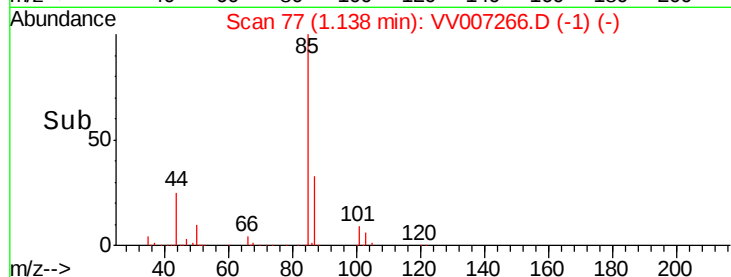
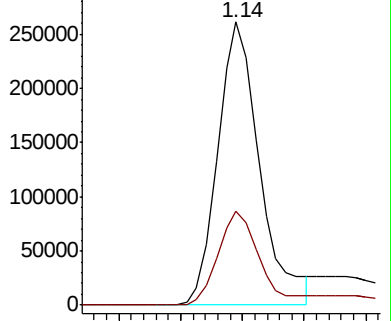
85 100

87 33.7 21.4 32.0#



Abundance Ion 85.00 (84.70 to 85.70): VV007265.D (-69) (-)

Ion 87.00 (86.70 to 87.70): VV007265.D (-69) (-)



#3

Chloromethane

Concen: 11.606 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007266.D

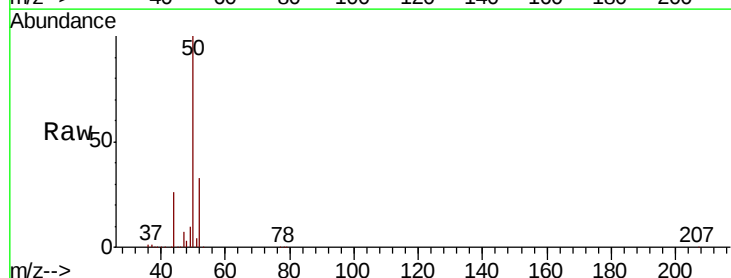
Acq: 30 Aug 2018 16:32

Tgt Ion: 50 Resp: 311128

Ion Ratio Lower Upper

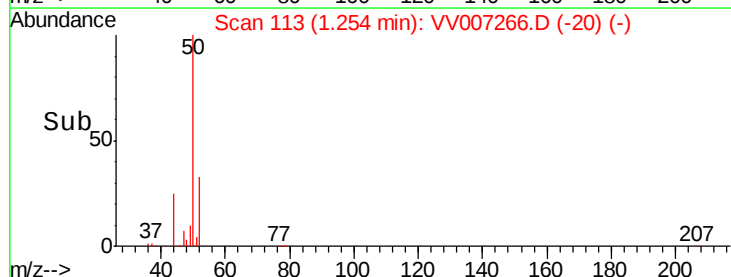
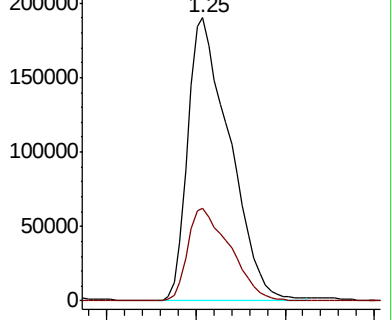
50 100

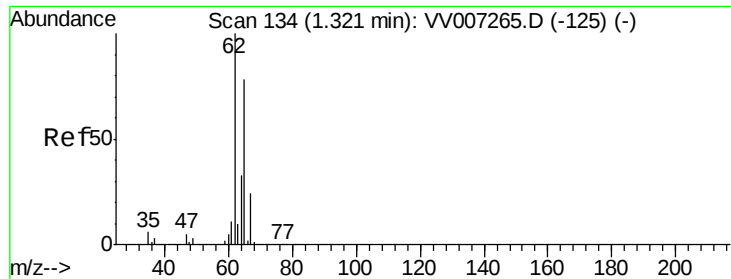
52 32.8 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VV007265.D (-105) (-)

Ion 52.05 (51.75 to 52.75): VV007265.D (-105) (-)





#5

Vinyl chloride

Concen: 11.594 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

Instrument :

MSVOA_V

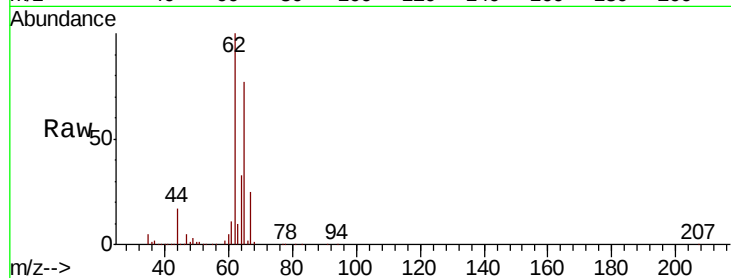
ClientSampled :

Tot Ion: 62 Resp: 298435

Ion Ratio Lower Upper

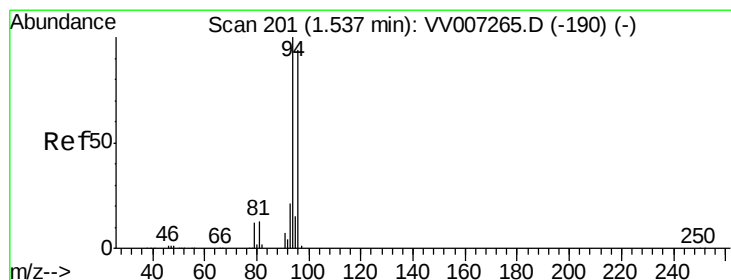
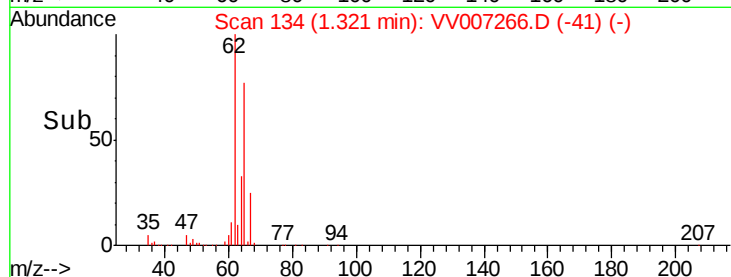
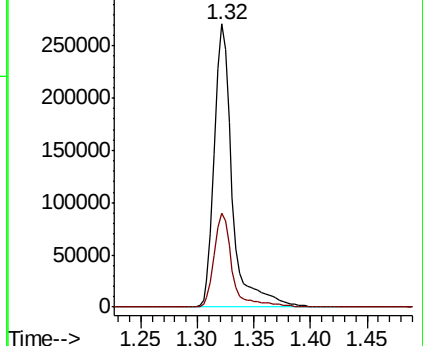
62 100

64 33.3 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 14.517 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV007266.D

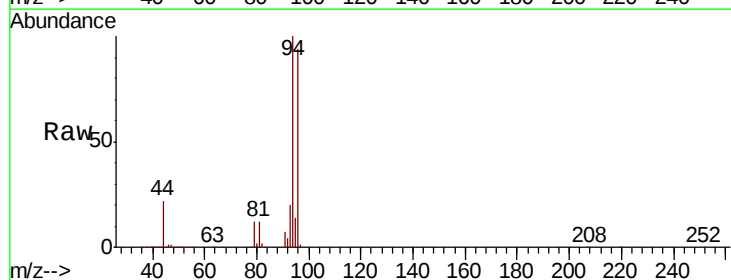
Acq: 30 Aug 2018 16:32

Tgt Ion: 94 Resp: 144305

Ion Ratio Lower Upper

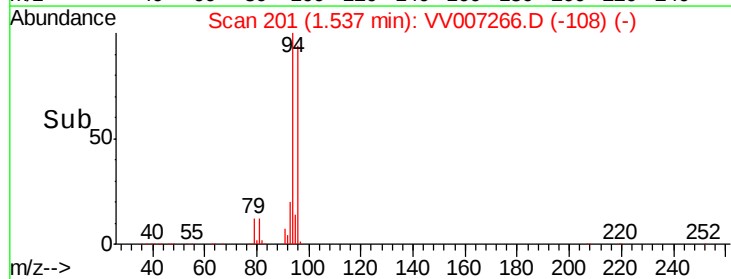
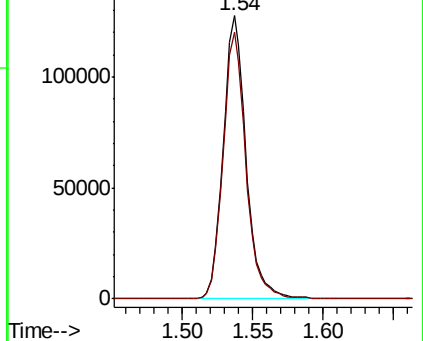
94 100

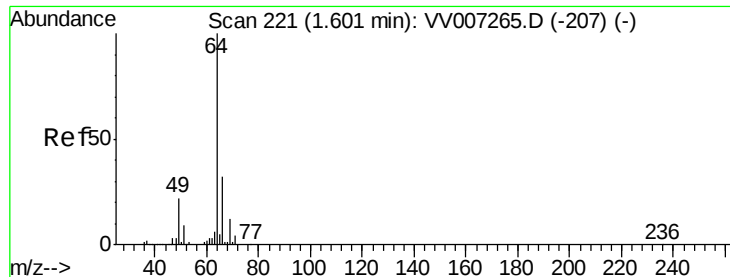
96 94.1 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 10.922 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

Instrument :

MSVOA_V

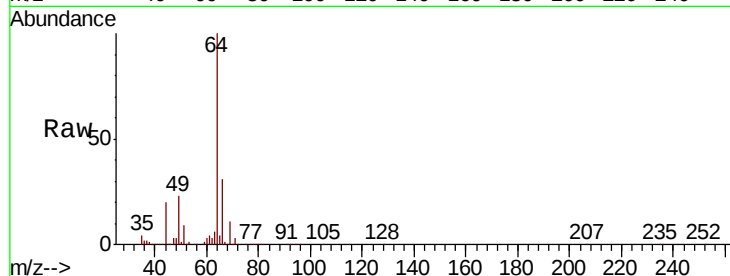
ClientSampled :

Tot Ion: 64 Resp: 168732

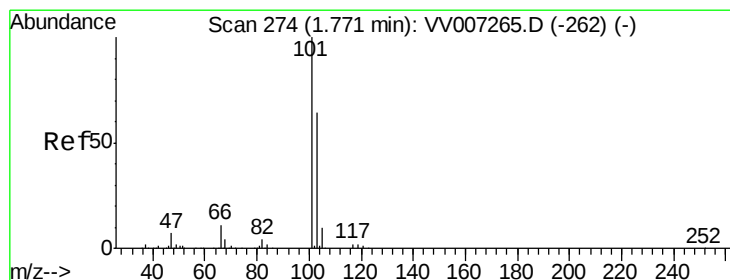
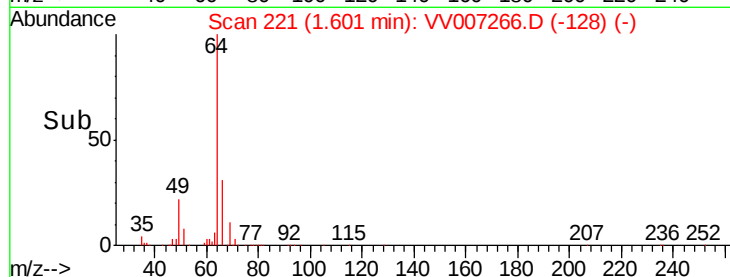
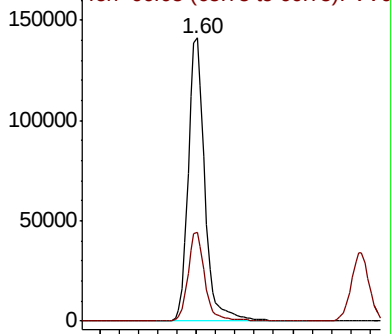
Ion Ratio Lower Upper

64 100

66 31.4 22.3 41.3



Abundance Ion 64.10 (63.80 to 64.80): VV007266.D (-128) (-)



#9

Trichlorofluoromethane

Concen: 10.830 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV007266.D

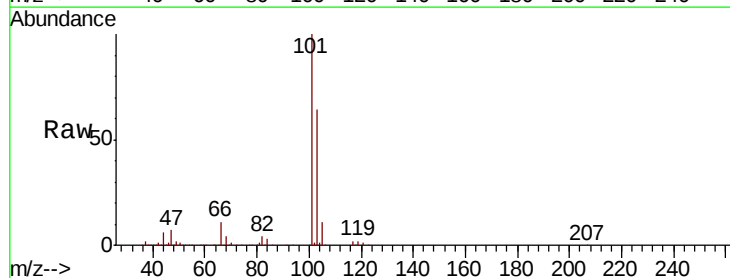
Acq: 30 Aug 2018 16:32

Tgt Ion:101 Resp: 380570

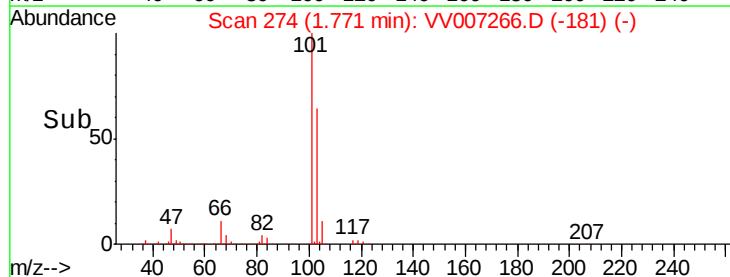
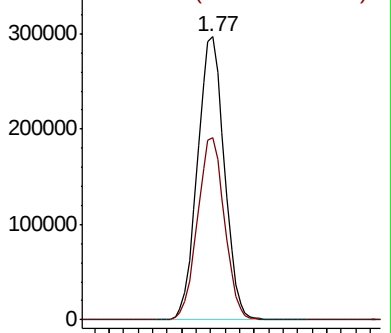
Ion Ratio Lower Upper

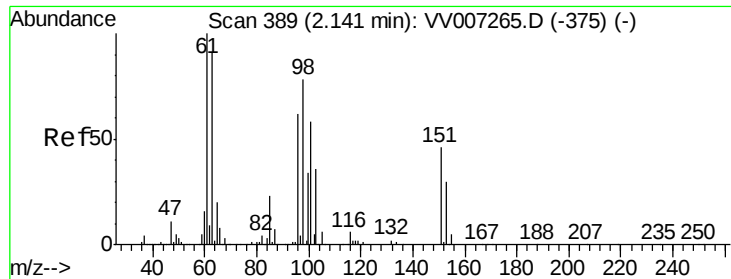
101 100

103 64.8 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VV007266.D (-181) (-)





#10

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

Concen: 10.564 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

Instrument :

MSVOA_V

ClientSampleId :

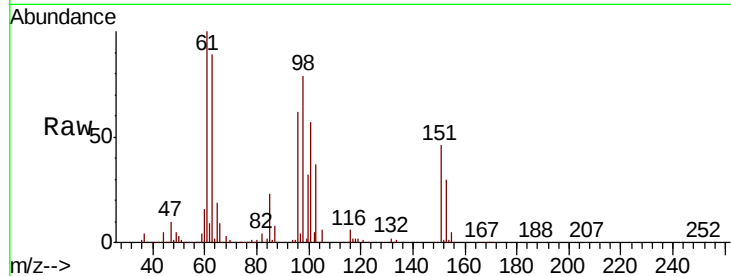
Tot Ion:101 Resp: 230941

Ion Ratio Lower Upper

101 100

85 40.4 32.4 48.6

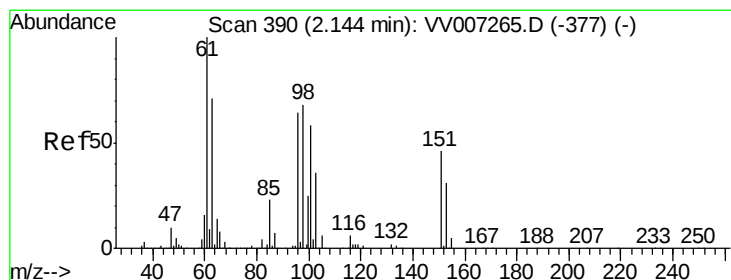
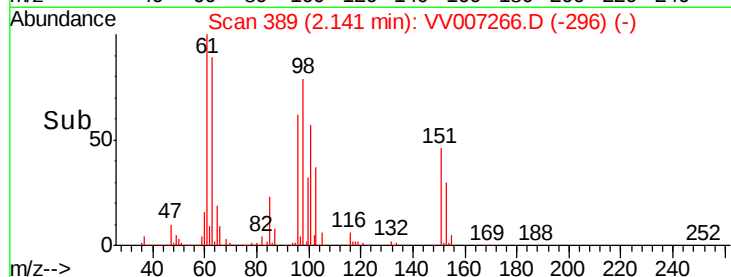
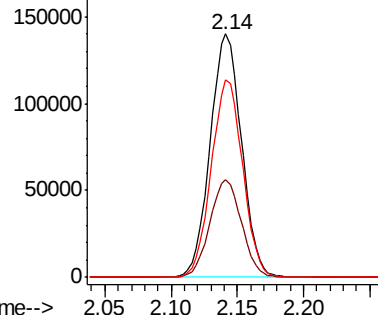
151 81.2 64.2 96.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 11.115 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

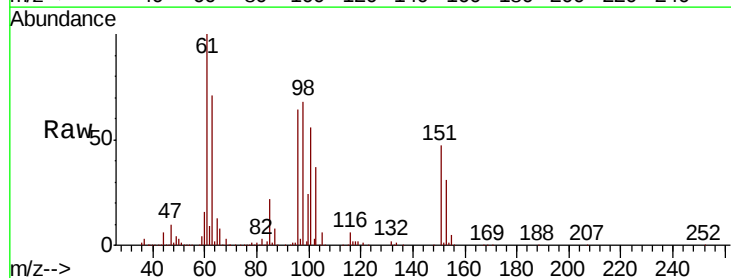
Tgt Ion: 96 Resp: 219709

Ion Ratio Lower Upper

96 100

61 155.4 108.8 202.0

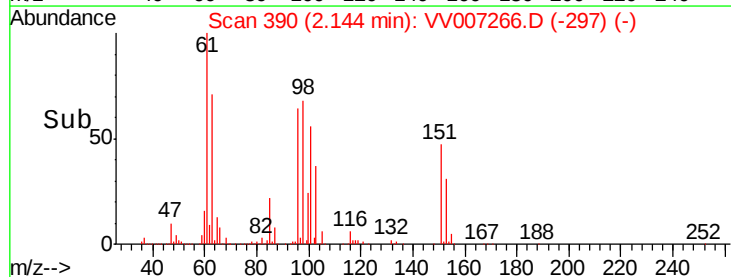
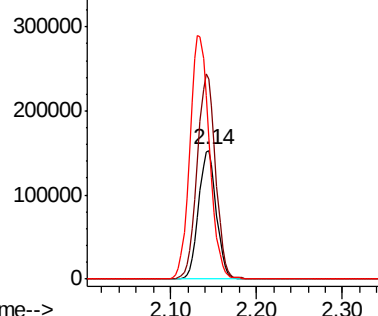
63 109.9 78.0 144.9

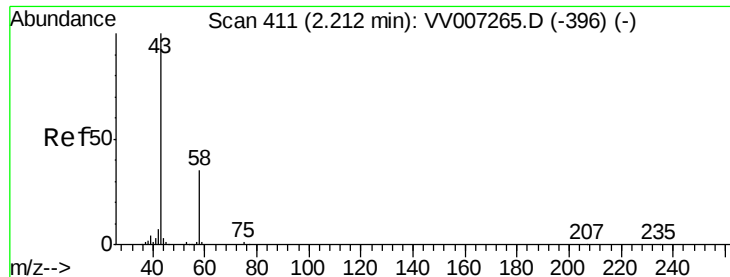


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 97.805 ug/L

RT: 2.21 min Scan# 409

Delta R.T. -0.01 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

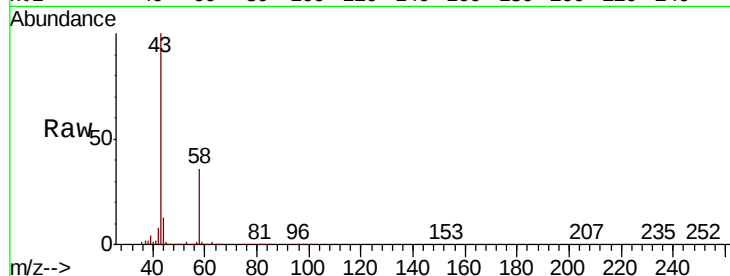
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 276319

Ion Ratio Lower Upper

43 100

58 36.1 0.0 71.8



Abundance Ion 43.05 (42.75 to 43.75): VV007265.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VV007265.D (-396) (-)

2.21

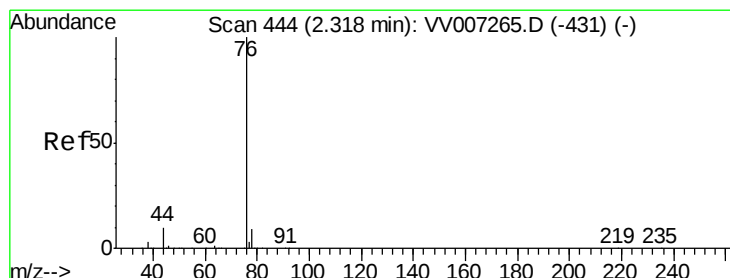
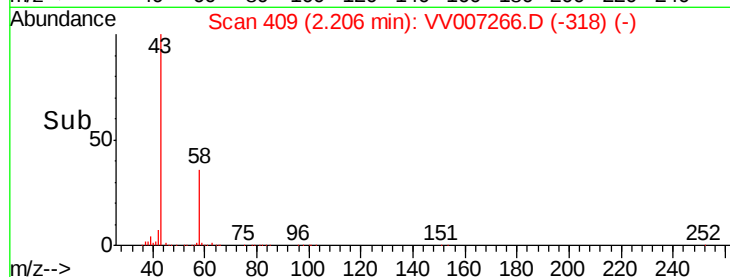
150000

100000

50000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 12.012 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV007266.D

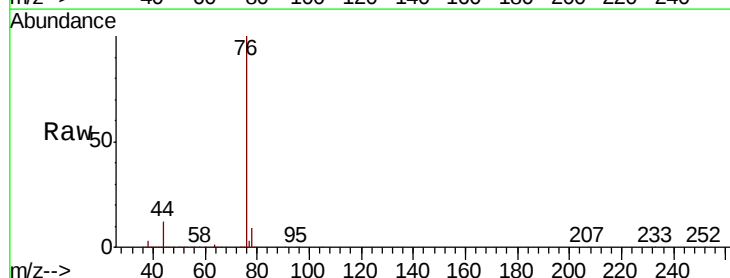
Acq: 30 Aug 2018 16:32

Tgt Ion: 76 Resp: 721961

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV007265.D (-431) (-)

Ion 78.00 (77.70 to 78.70): VV007265.D (-431) (-)

2.32

500000

400000

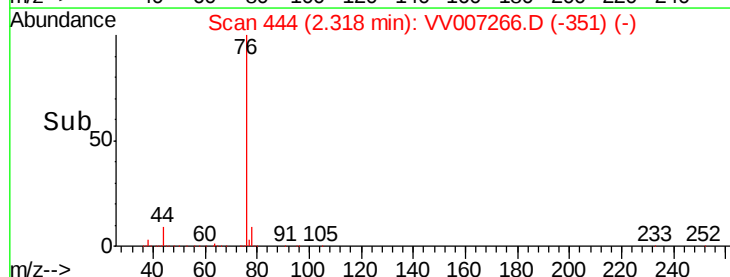
300000

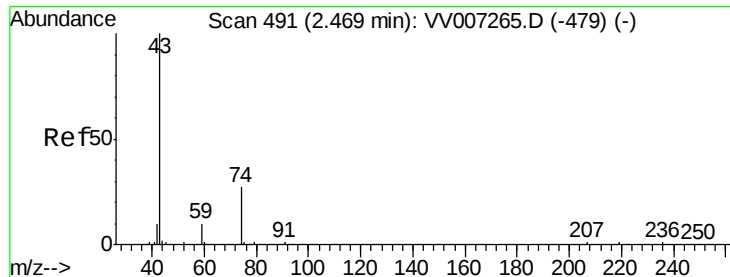
200000

100000

0

Time--> 2.25 2.30 2.35 2.40

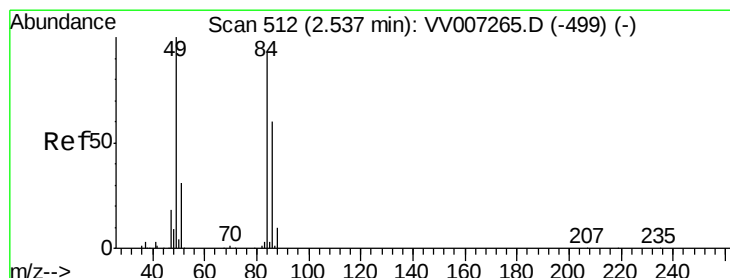
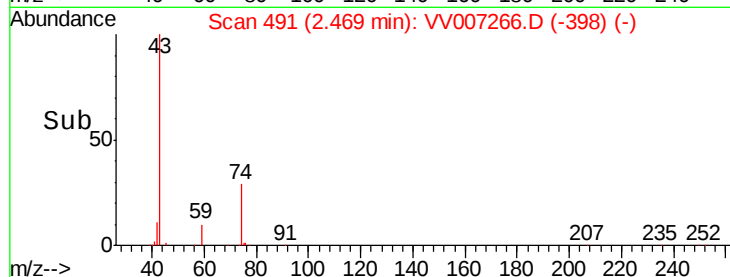
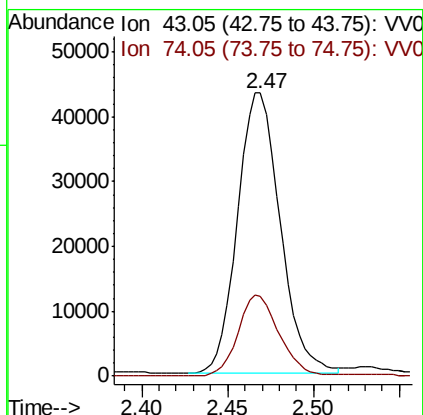
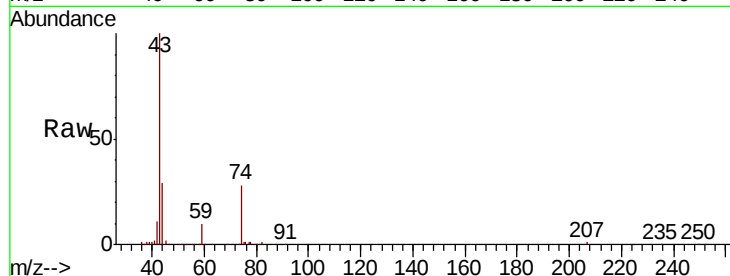




#15
Methvl Acetate
Concen: 9.924 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV007266.D
Acq: 30 Aug 2018 16:32

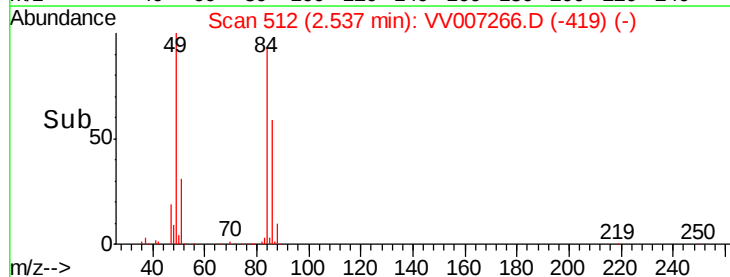
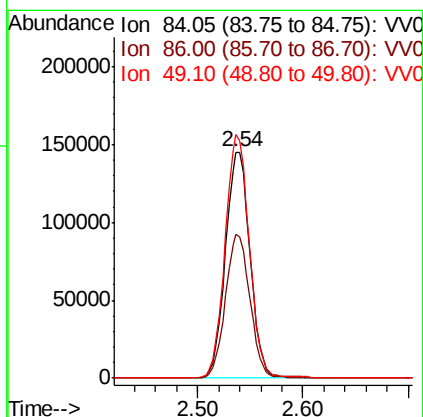
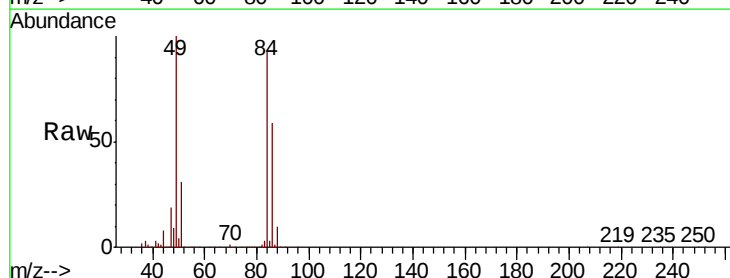
Instrument :
MSVOA_V
ClientSampleId :

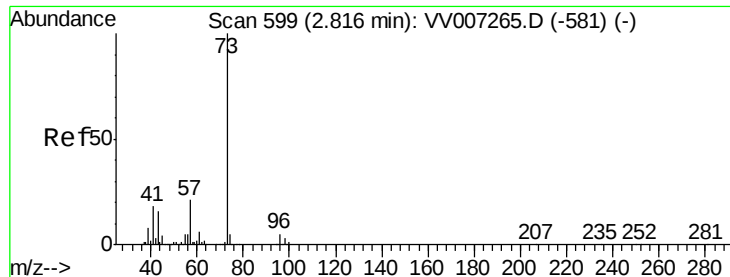
Tot Ion: 43 Resp: 74438
Ion Ratio Lower Upper
43 100
74 27.9 22.5 33.7



#16
Methylene chloride
Concen: 9.829 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV007266.D
Acq: 30 Aug 2018 16:32

Tgt Ion: 84 Resp: 233400
Ion Ratio Lower Upper
84 100
86 63.7 44.8 83.2
49 107.8 75.2 139.6



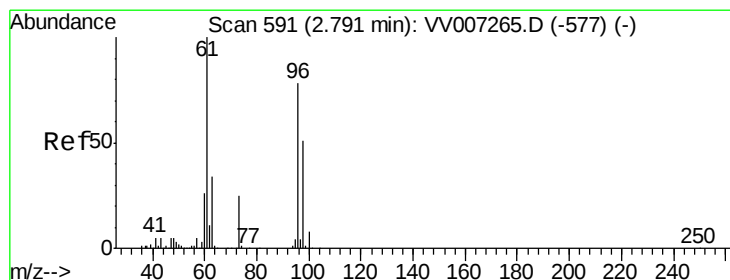
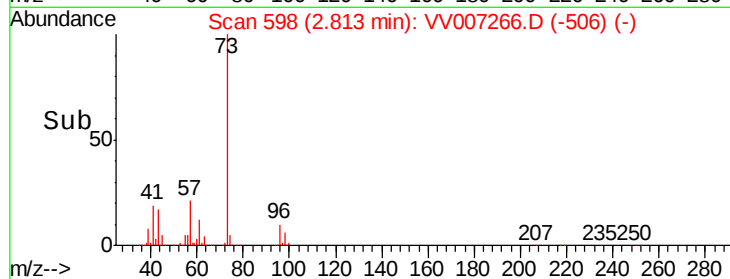
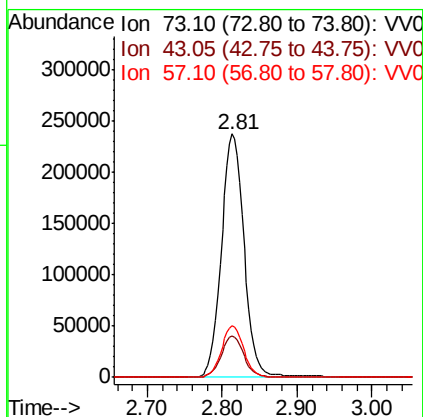
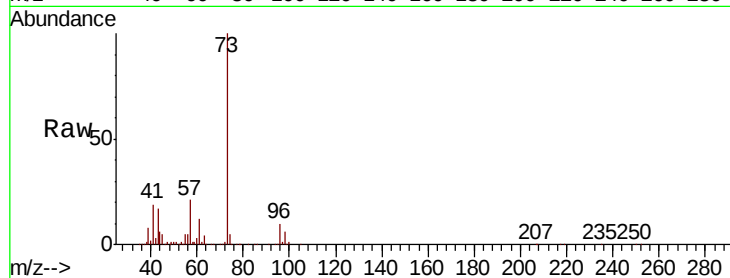


#17

Methvl tert-butvl Ether
 Concen: 10.074 ug/L
 RT: 2.81 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VV007266.D
 Acq: 30 Aug 2018 16:32

Instrument :
 MSVOA_V
 ClientSampleId :

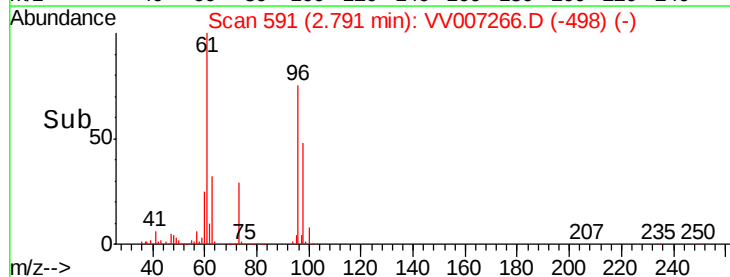
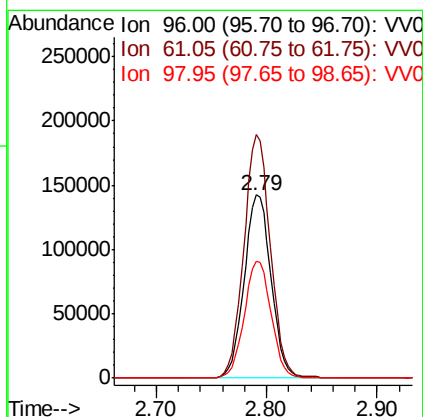
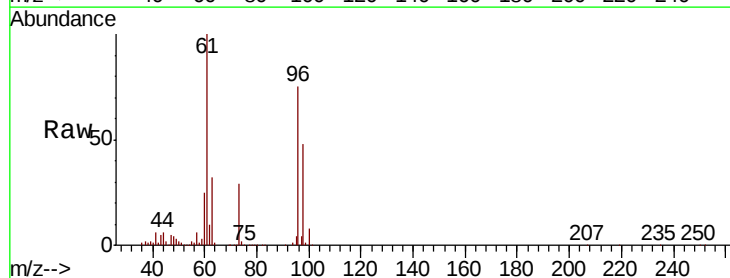
Tot Ion	Ratio	Lower	Upper
73	100		
43	16.8	13.2	19.8
57	20.8	17.3	25.9

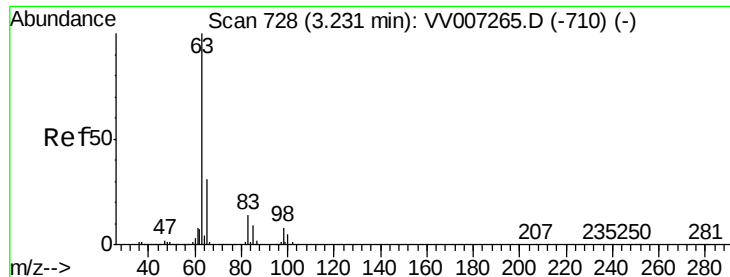


#18

trans-1,2-Dichloroethene
 Concen: 10.936 ug/L
 RT: 2.79 min Scan# 591
 Delta R.T. 0.00 min
 Lab File: VV007266.D
 Acq: 30 Aug 2018 16:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.9	89.5	166.3
98	64.1	45.3	84.1





#19

1,1-Dichloroethane

Concen: 10.857 ug/L

RT: 3.23 min Scan# 727

Delta R.T. -0.00 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

Instrument :

MSVOA_V

ClientSampleId :

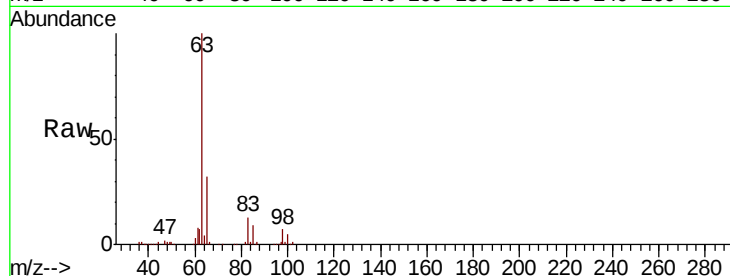
Tot Ion: 63 Resp: 469238

Ion Ratio Lower Upper

63 100

65 31.6 22.1 41.1

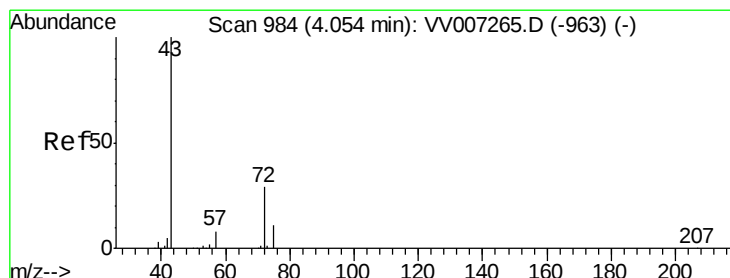
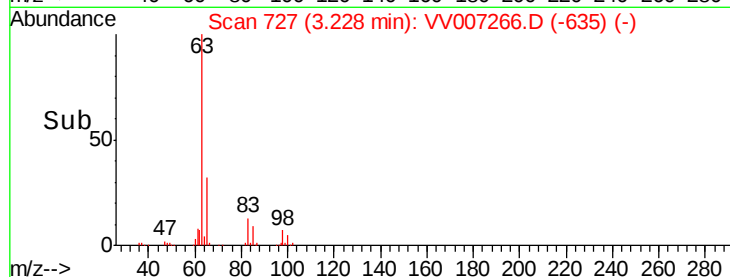
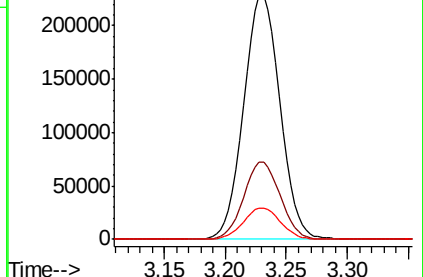
83 12.7 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VV007265.D (-710) (-)

Ion 65.10 (64.80 to 65.80): VV007265.D (-710) (-)

Ion 83.05 (82.75 to 83.75): VV007265.D (-710) (-)



#21

2-Butanone

Concen: 99.603 ug/L

RT: 4.05 min Scan# 982

Delta R.T. -0.01 min

Lab File: VV007266.D

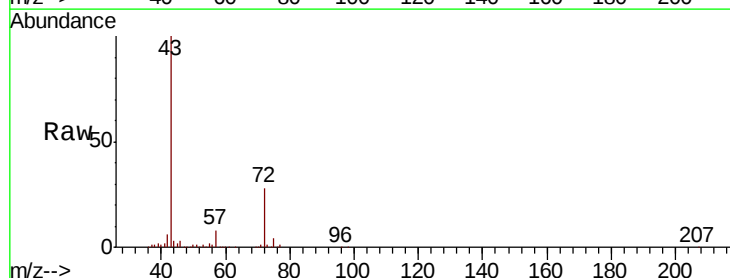
Acq: 30 Aug 2018 16:32

Tgt Ion: 43 Resp: 572709

Ion Ratio Lower Upper

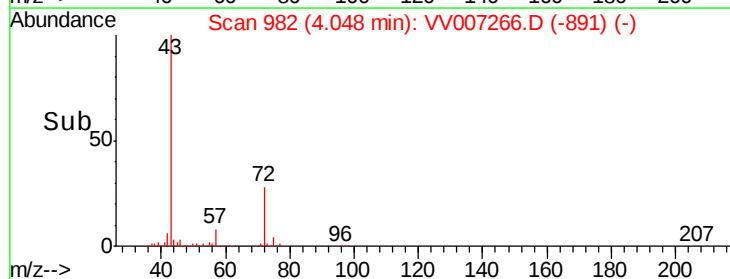
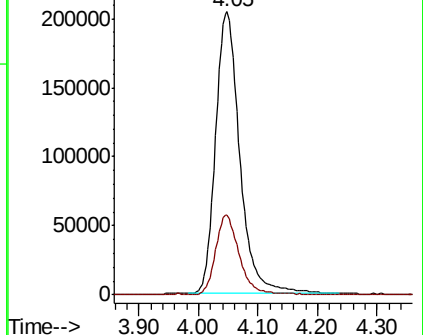
43 100

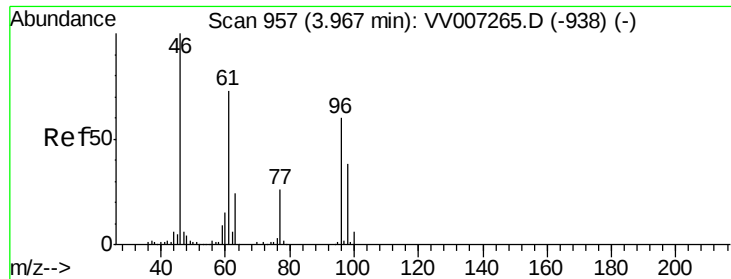
72 27.5 14.1 42.3



Abundance Ion 43.05 (42.75 to 43.75): VV007265.D (-963) (-)

Ion 72.10 (71.80 to 72.80): VV007265.D (-963) (-)



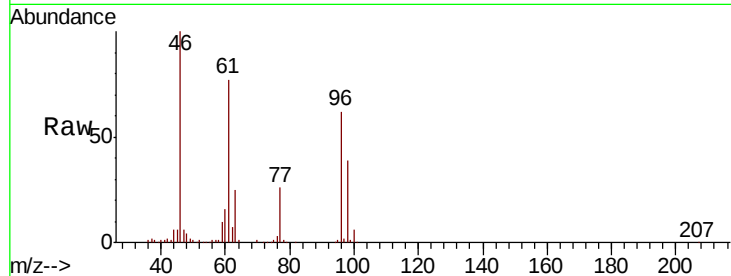


#22

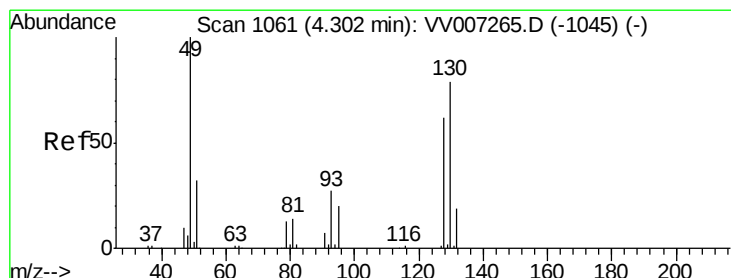
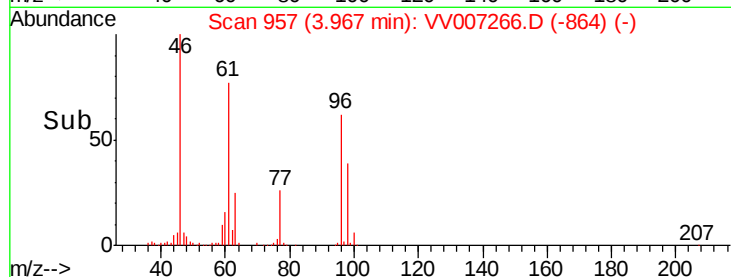
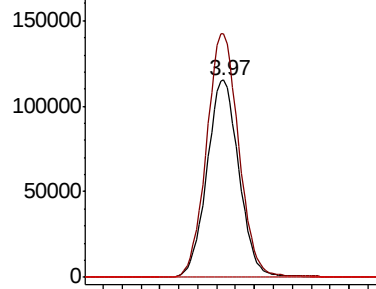
cis-1,2-Dichloroethene
 Concen: 10.818 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV007266.D
 Acq: 30 Aug 2018 16:32

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 270769
 Ion Ratio Lower Upper
 96 100
 61 123.5 85.4 158.6
 68 0.0 0.0 0.0



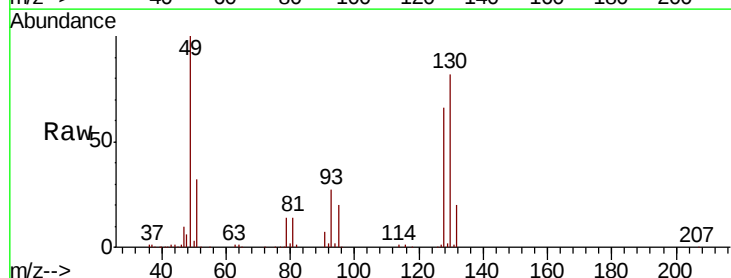
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



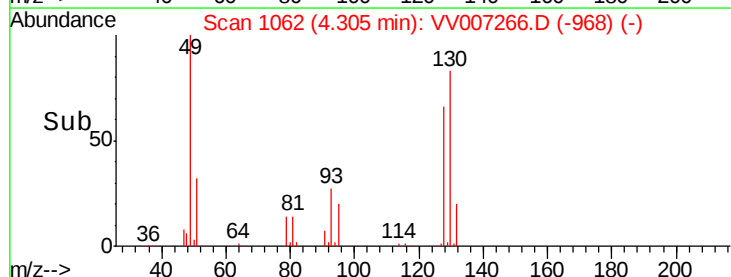
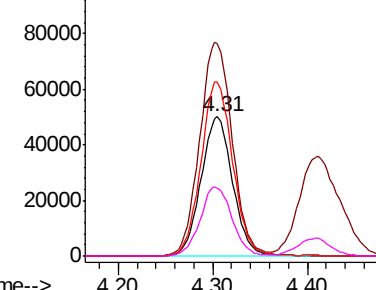
#23

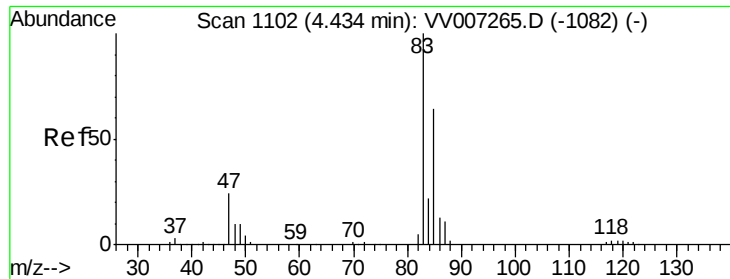
Bromochloromethane
 Concen: 10.371 ug/L
 RT: 4.31 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: VV007266.D
 Acq: 30 Aug 2018 16:32

Tgt Ion: 128 Resp: 116249
 Ion Ratio Lower Upper
 128 100
 49 152.3 113.1 210.1
 130 125.2 88.8 165.0
 51 48.9 41.9 62.9



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

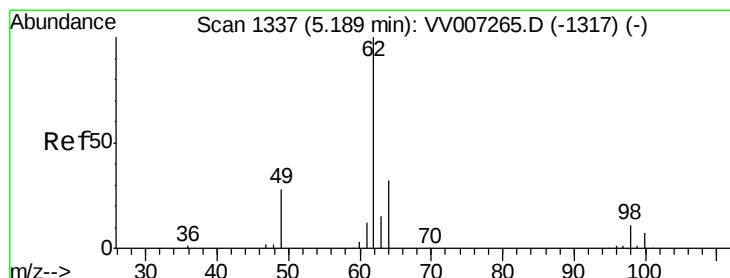
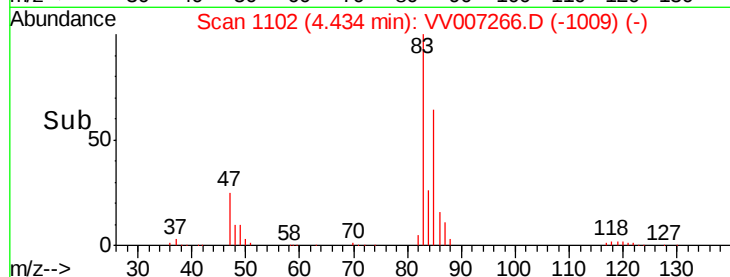
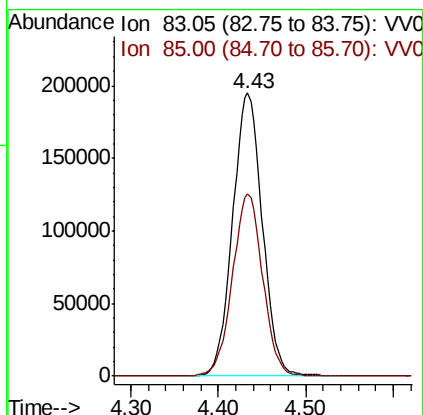
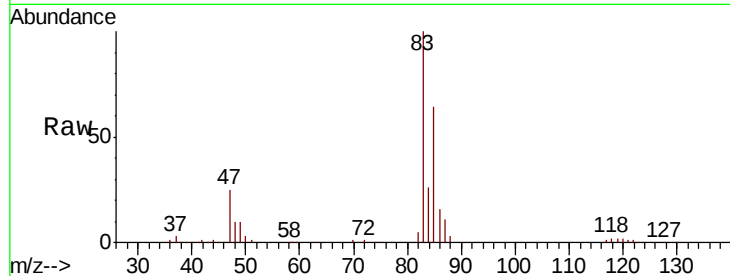




#25
Chloroform
Concen: 10.395 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV007266.D
Acq: 30 Aug 2018 16:32

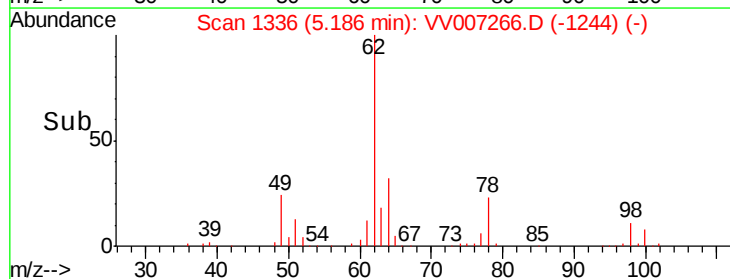
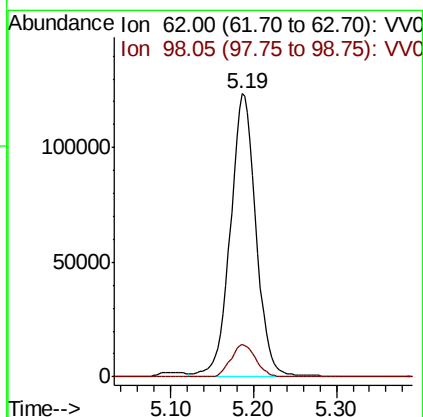
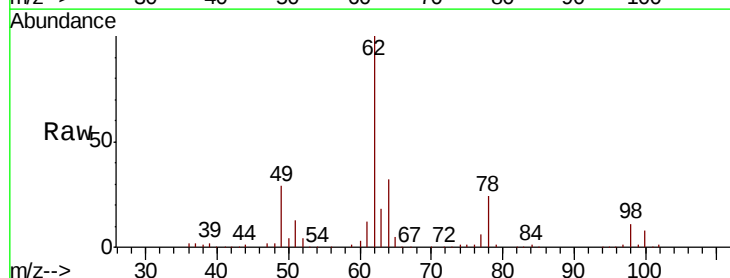
Instrument :
MSVOA_V
ClientSampleId :

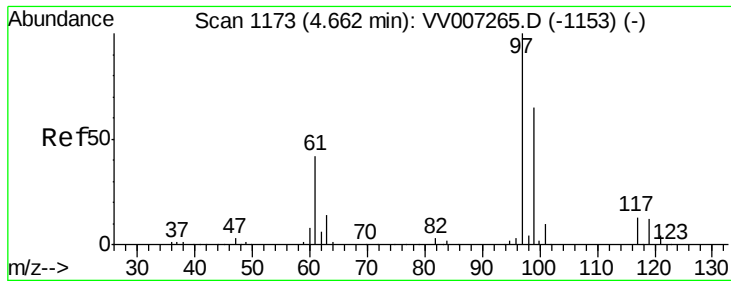
Tot Ion: 83 Resp: 459009
Ion Ratio Lower Upper
83 100
85 64.4 44.9 83.5



#27
1,2-Dichloroethane
Concen: 10.336 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV007266.D
Acq: 30 Aug 2018 16:32

Tgt Ion: 62 Resp: 265910
Ion Ratio Lower Upper
62 100
98 11.4 8.6 12.8

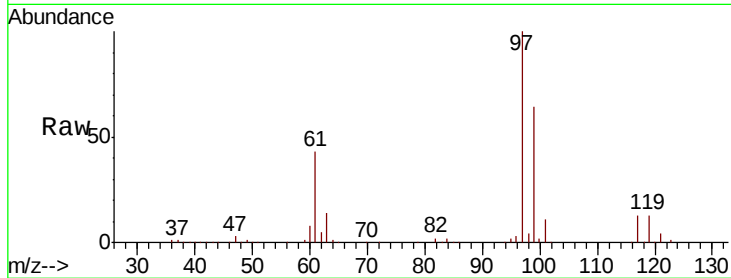




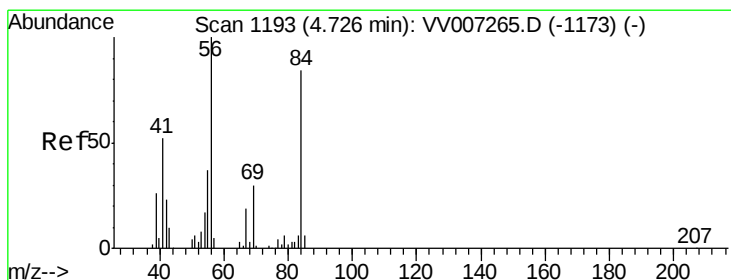
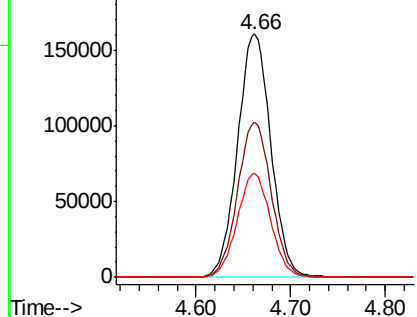
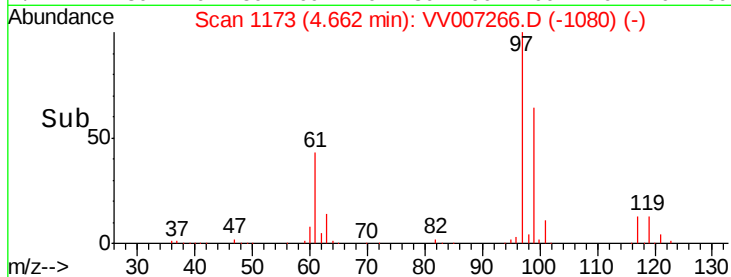
#29
 1,1,1-Trichloroethane
 Concen: 10.667 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV007266.D
 Acq: 30 Aug 2018 16:32

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 392921
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.5 77.3
 61 42.9 33.9 50.9

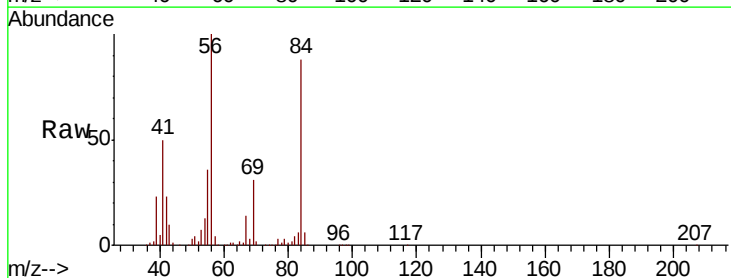


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

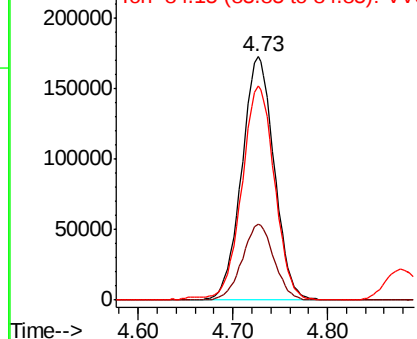
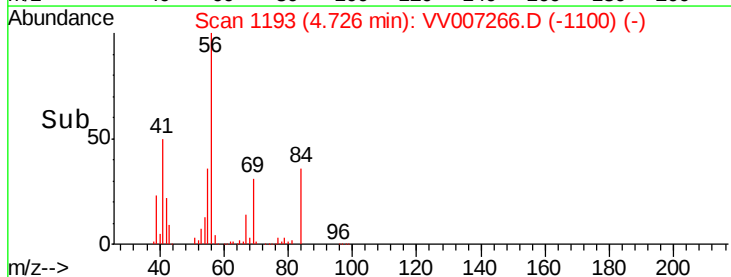


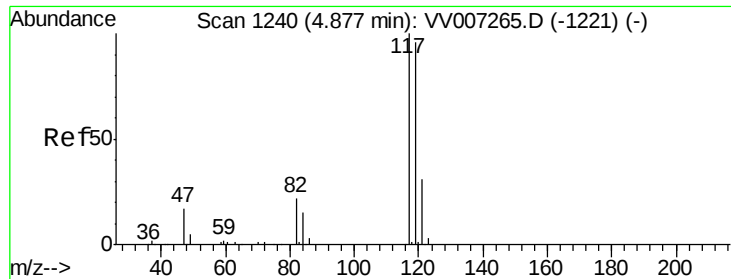
#30
 Cyclohexane
 Concen: 12.356 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VV007266.D
 Acq: 30 Aug 2018 16:32

Tgt Ion: 56 Resp: 411419
 Ion Ratio Lower Upper
 56 100
 69 30.5 24.7 37.1
 84 89.5 68.7 103.1



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0

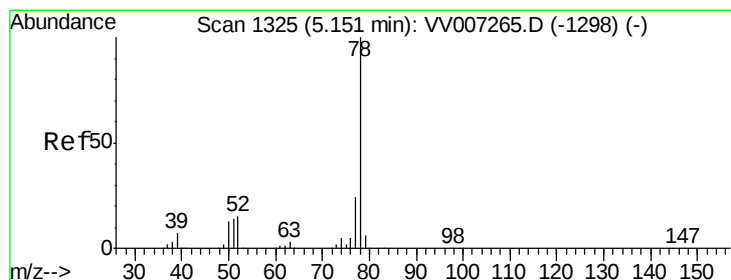
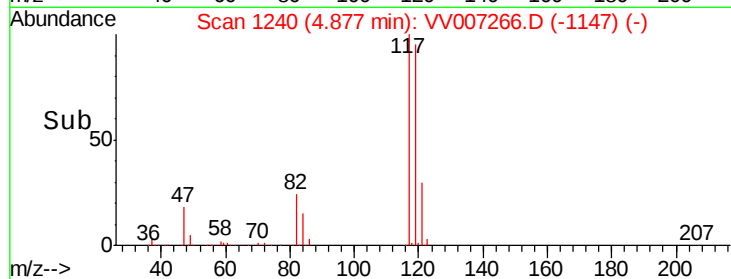
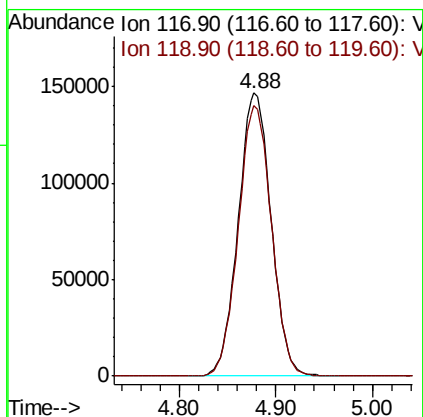
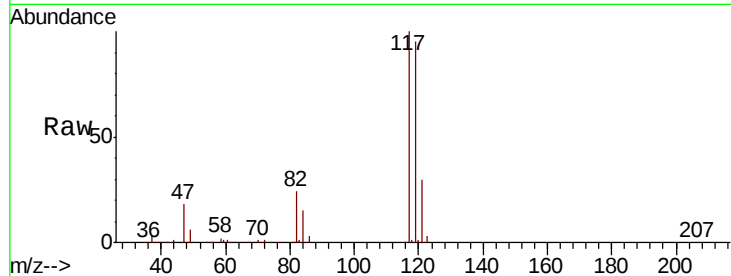




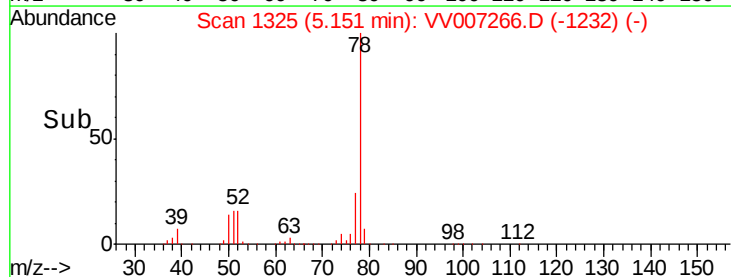
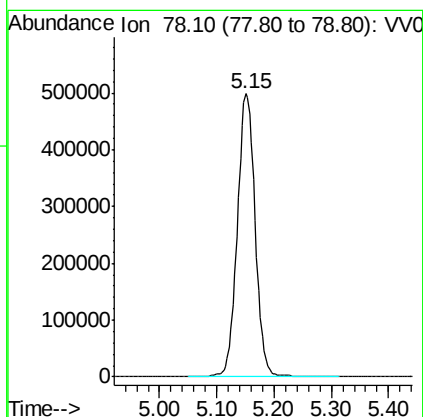
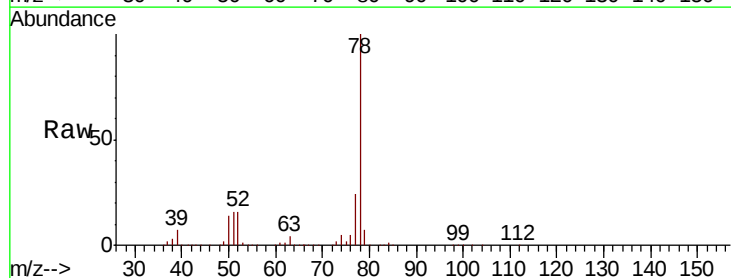
#31
Carbon tetrachloride
Concen: 11.021 ug/L
RT: 4.88 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VV007266.D
Acq: 30 Aug 2018 16:32

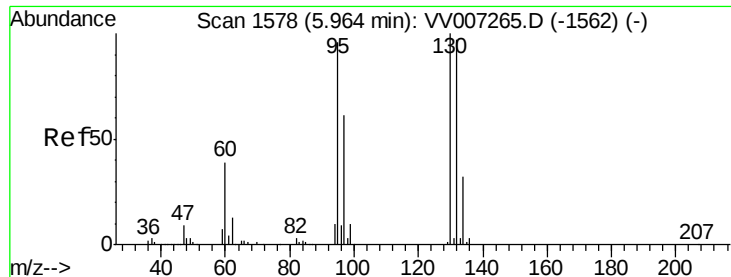
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 346178
Ion Ratio Lower Upper
117 100
119 96.2 77.0 115.6



#33
Benzene
Concen: 11.466 ug/L
RT: 5.15 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VV007266.D
Acq: 30 Aug 2018 16:32
Tgt Ion: 78 Resp: 1084055

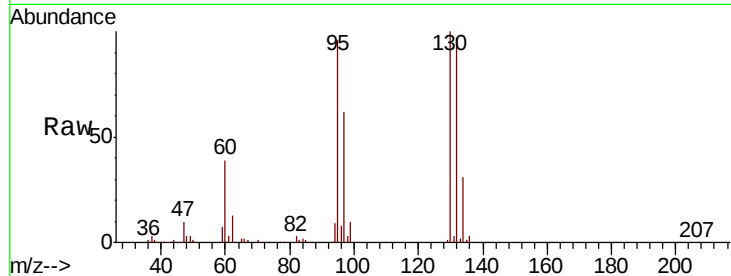




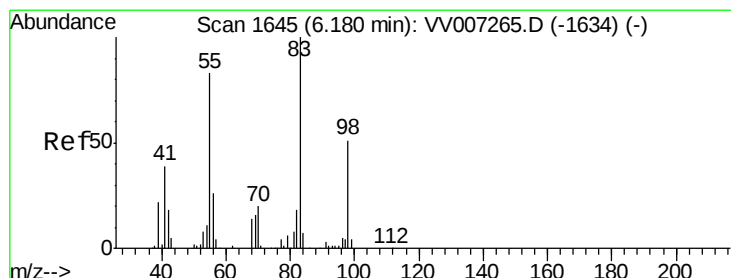
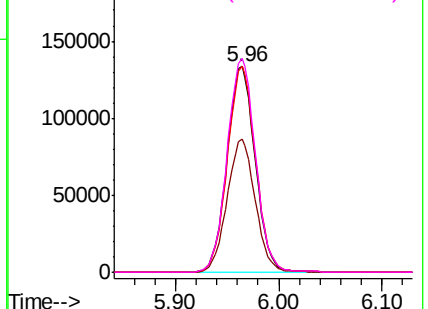
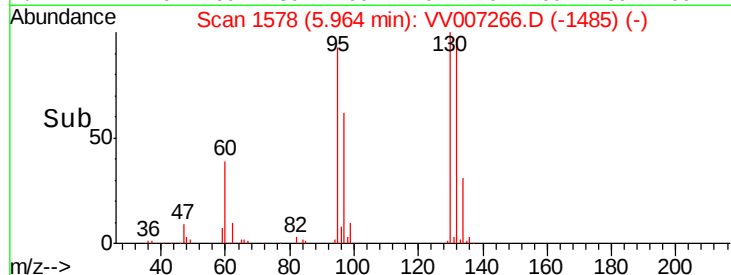
#34
 Trichloroethene
 Concen: 10.750 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV007266.D
 Acq: 30 Aug 2018 16:32

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	255066
Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.2	82.2
132	100.6	70.9	131.7
130	103.9	72.7	135.1

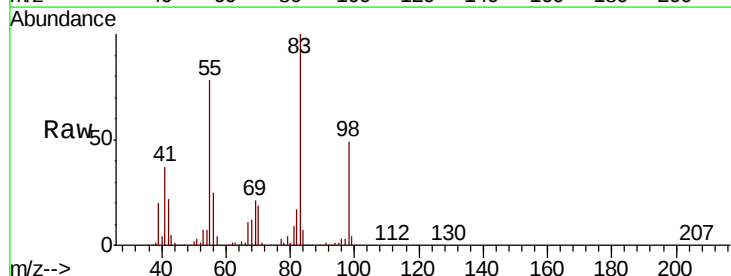


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

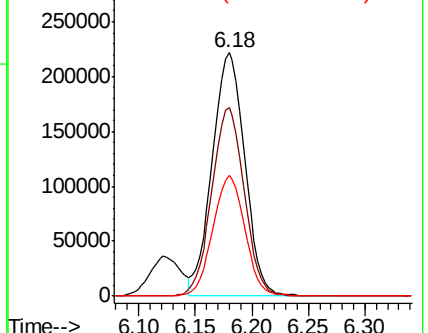
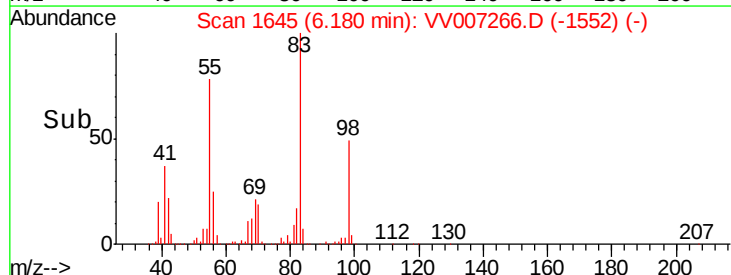


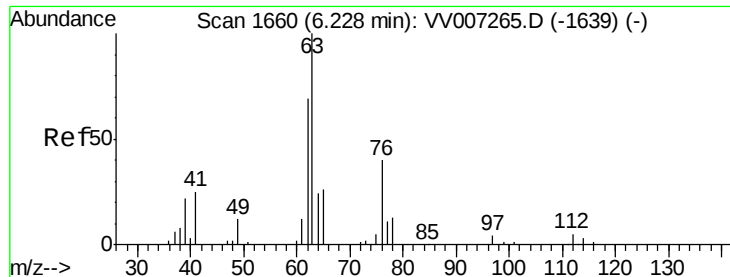
#35
 Methylcyclohexane
 Concen: 12.535 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: VV007266.D
 Acq: 30 Aug 2018 16:32

Tgt Ion:	83	Resp:	443464
Ion	Ratio	Lower	Upper
83	100		
55	77.3	63.5	95.3
98	49.1	38.9	58.3



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: 10.913 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

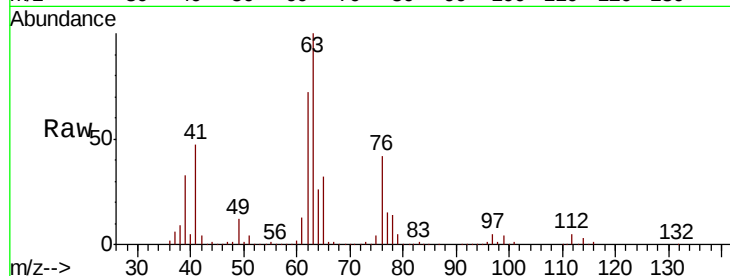
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 271804

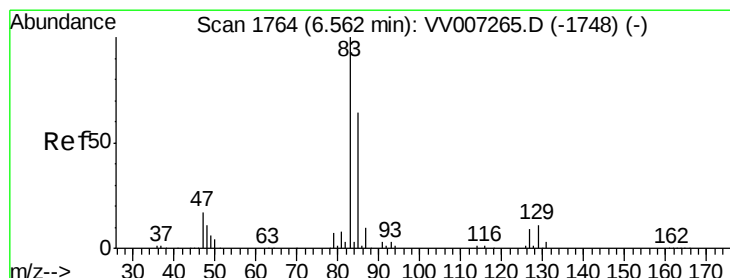
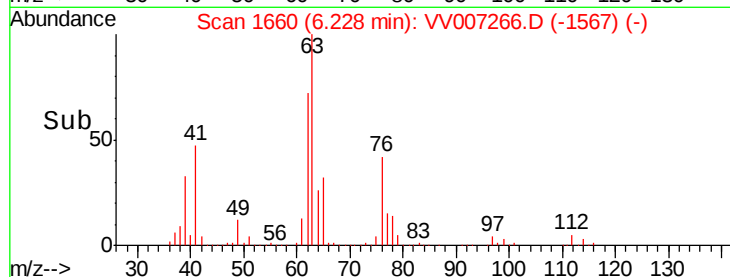
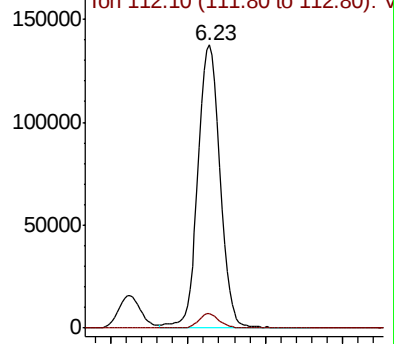
Ion Ratio Lower Upper

63 100

112 4.8 3.9 5.9



Abundance Ion 63.10 (62.80 to 63.80): VV007265.D (-1639) (-)



#38

Bromodichloromethane

Concen: 10.574 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

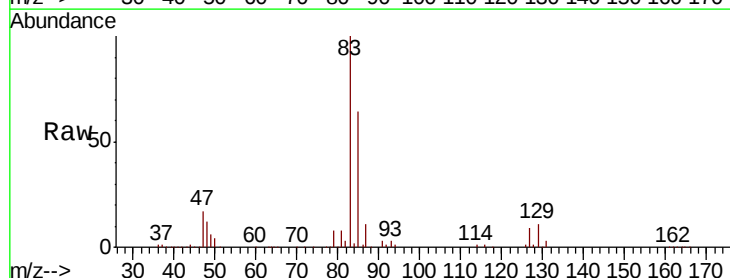
Tgt Ion: 83 Resp: 314567

Ion Ratio Lower Upper

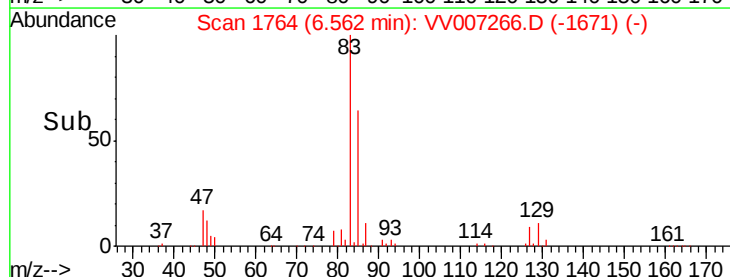
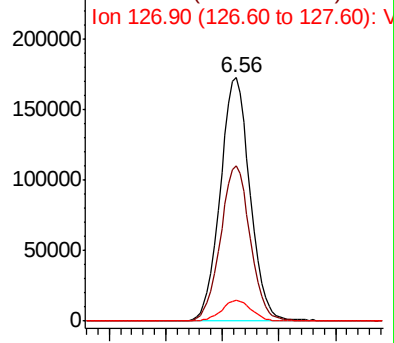
83 100

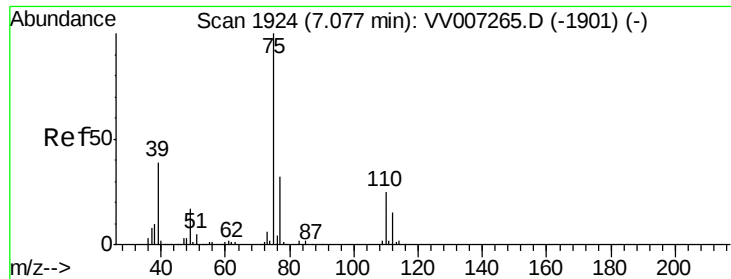
85 63.7 44.7 83.1

127 8.5 6.9 10.3



Abundance Ion 82.95 (82.65 to 83.65): VV007265.D (-1748) (-)



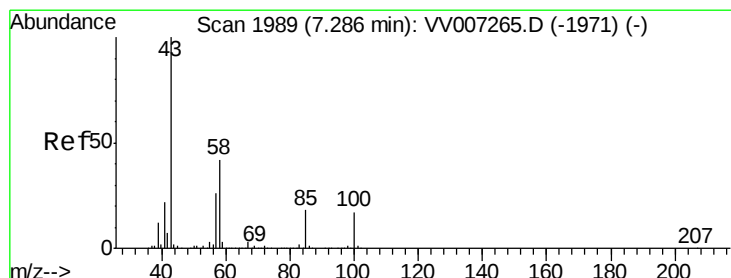
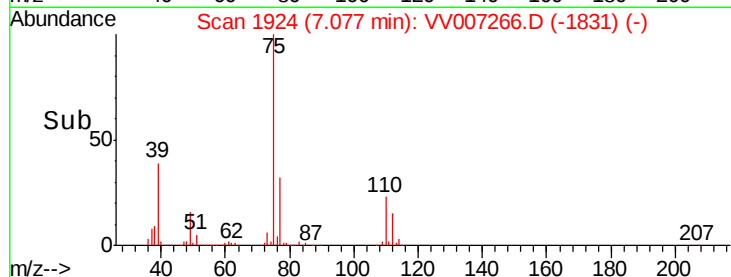
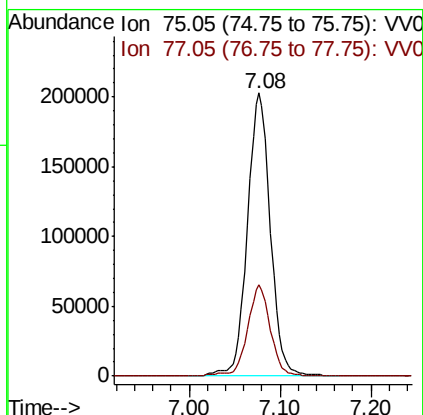
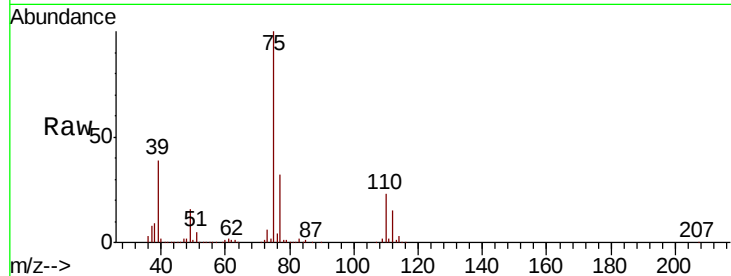


#39

cis-1,3-Dichloropropene
 Concen: 11.504 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007266.D
 Acq: 30 Aug 2018 16:32

Instrument :
 MSVOA_V
 ClientSampleId :

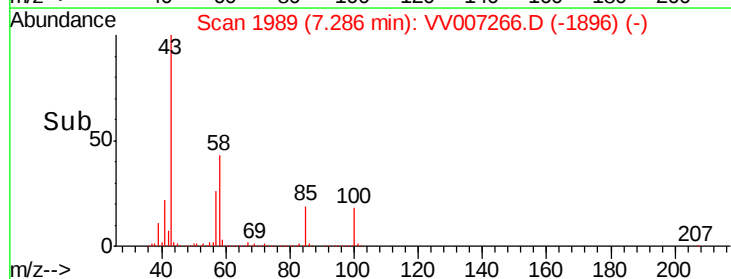
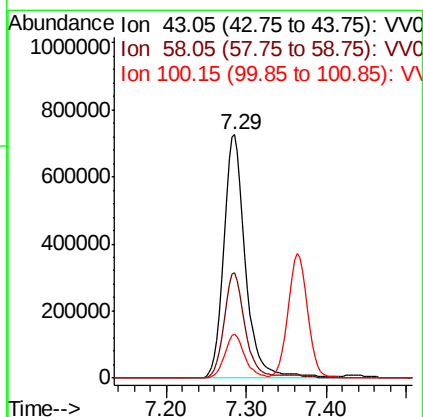
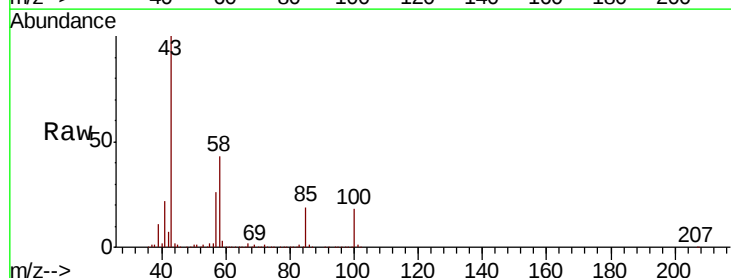
Tot Ion: 75 Resp: 355337
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.7 42.3

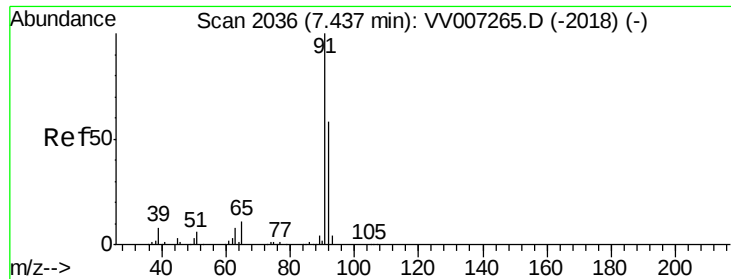


#40

4-Methyl-2-pentanone
 Concen: 106.982 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV007266.D
 Acq: 30 Aug 2018 16:32

Tgt Ion: 43 Resp: 1354659
 Ion Ratio Lower Upper
 43 100
 58 41.7 32.7 49.1
 100 16.8 13.1 19.7





#42

Toluene

Concen: 11.914 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

Instrument :

MSVOA_V

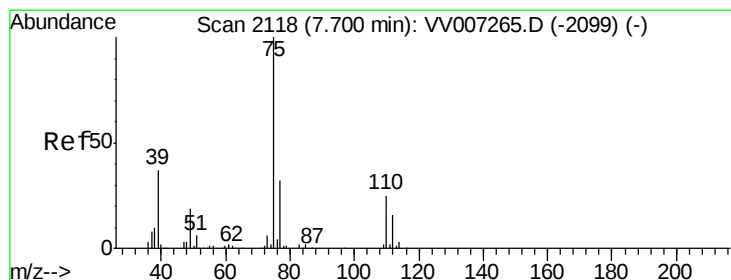
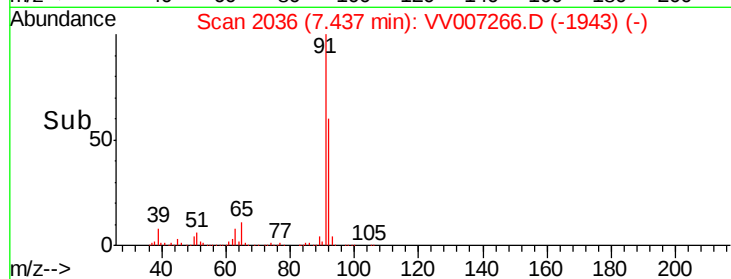
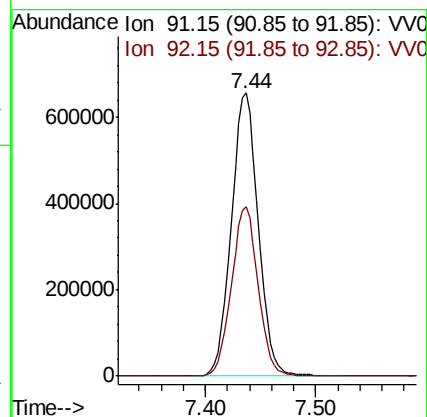
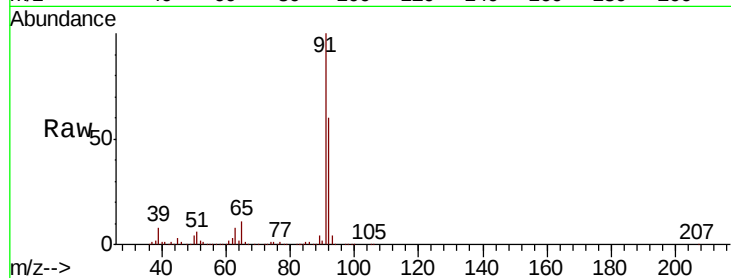
ClientSampleId :

Tot Ion: 91 Resp: 1112565

Ion Ratio Lower Upper

91 100

92 59.7 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 11.395 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007266.D

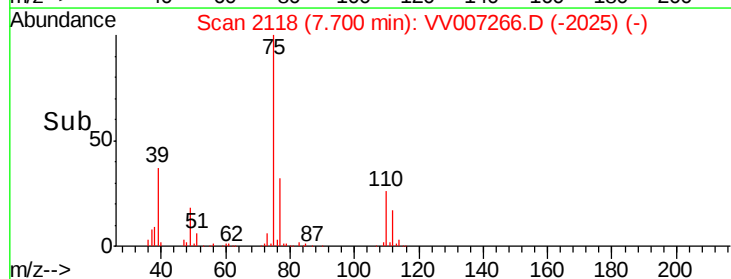
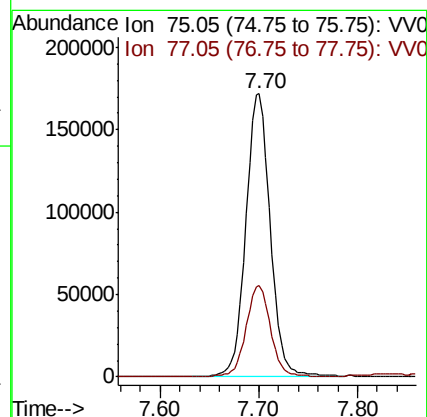
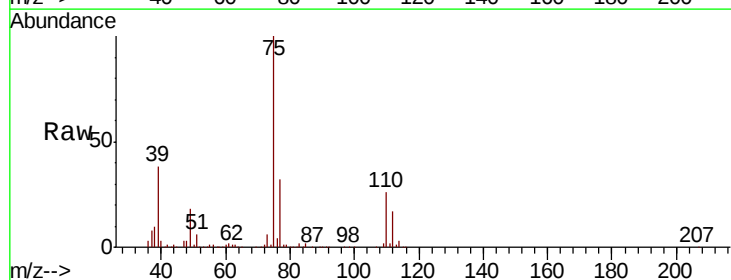
Acq: 30 Aug 2018 16:32

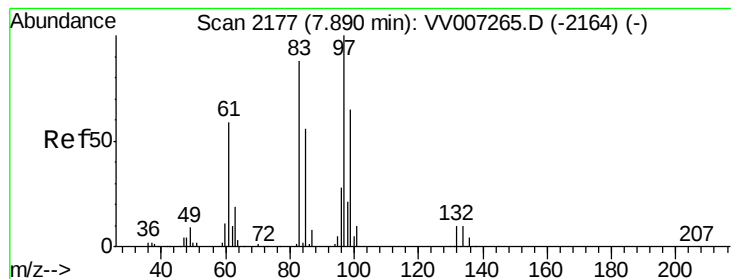
Tgt Ion: 75 Resp: 294509

Ion Ratio Lower Upper

75 100

77 32.3 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 10.043 ug/L

RT: 7.89 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 176214

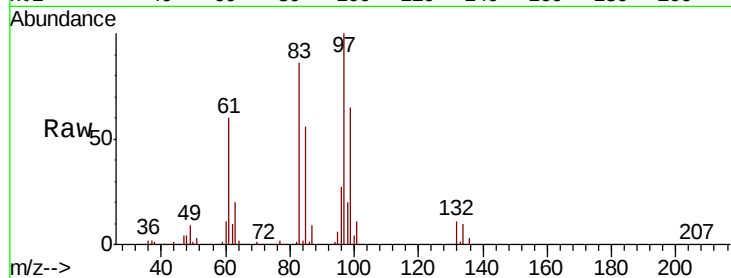
Ion Ratio Lower Upper

97 100

99 65.0 45.6 84.6

83 86.0 61.4 114.0

85 56.3 39.4 73.2

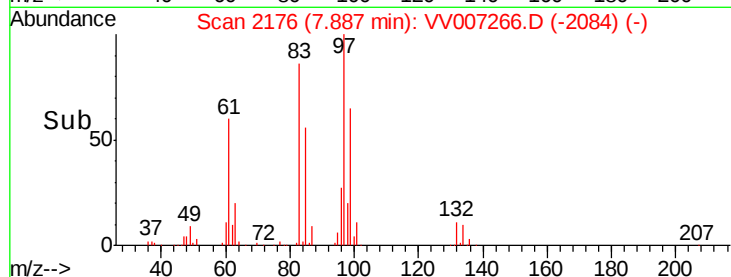


Abundance Ion 96.95 (96.65 to 97.65): VV0

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



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

Time-->

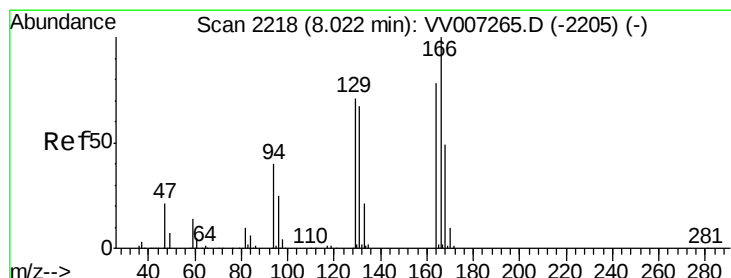
7.89

100000

50000

0

7.80 7.85 7.90 7.95 8.00



#47

Tetrachloroethene

Concen: 11.147 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

Tgt Ion:164 Resp: 219433

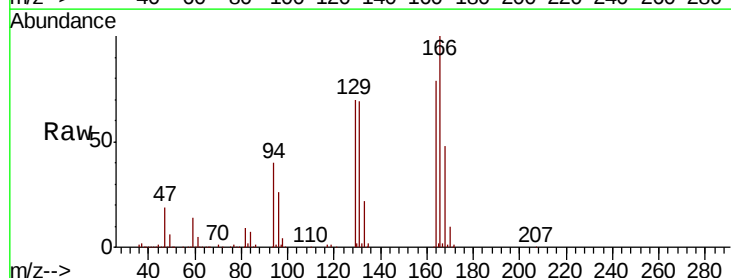
Ion Ratio Lower Upper

164 100

129 89.5 63.8 118.4

131 88.5 60.3 112.1

166 127.3 89.5 166.1

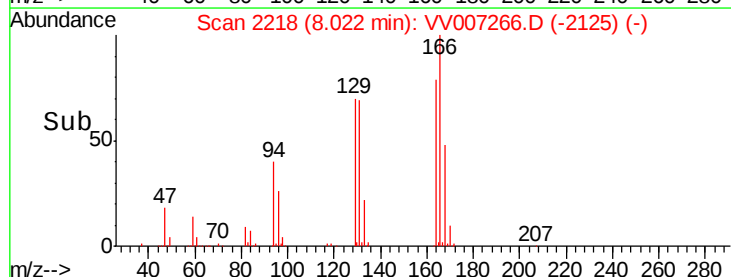


Abundance Ion 163.90 (163.60 to 164.60): V

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



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

Time-->

8.02

250000

200000

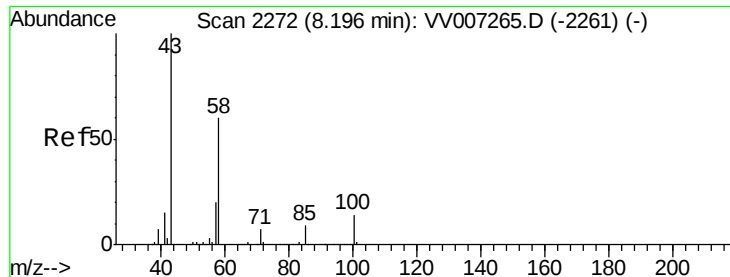
150000

100000

50000

0

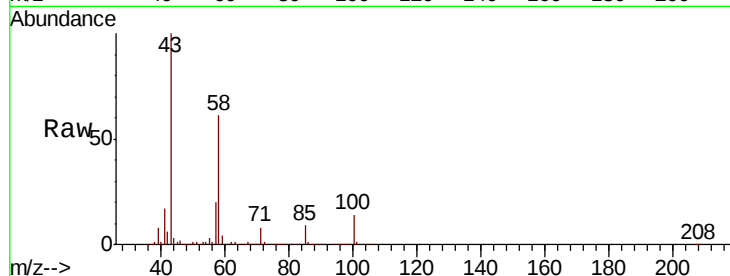
7.95 8.00 8.05 8.10



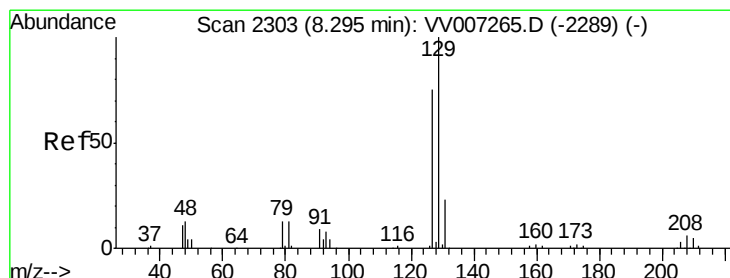
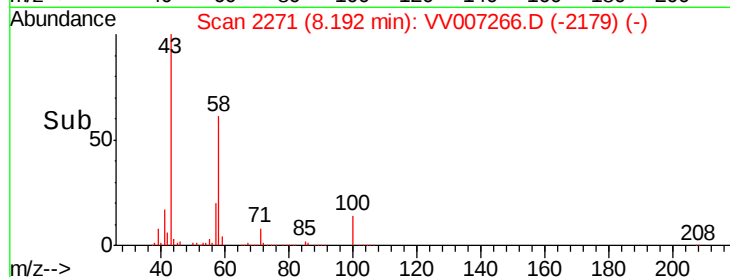
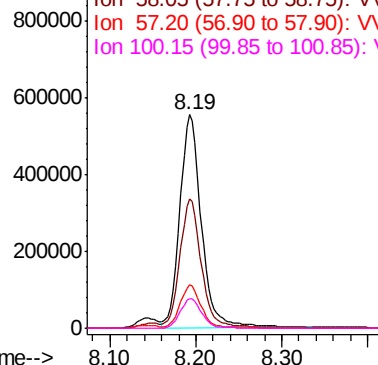
#48
2-Hexanone
Concen: 103.712 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV007266.D
Acq: 30 Aug 2018 16:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 974801
Ion Ratio Lower Upper
43 100
58 61.2 46.6 69.8
57 20.4 15.4 23.0
100 13.7 10.4 15.6

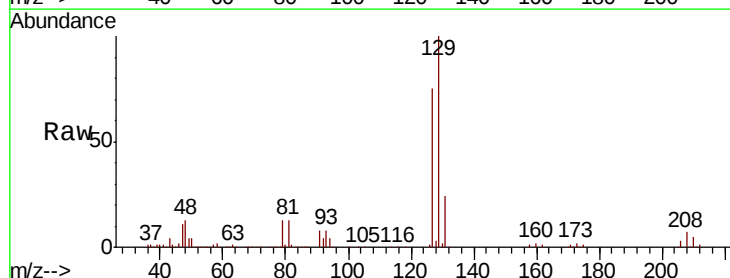


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

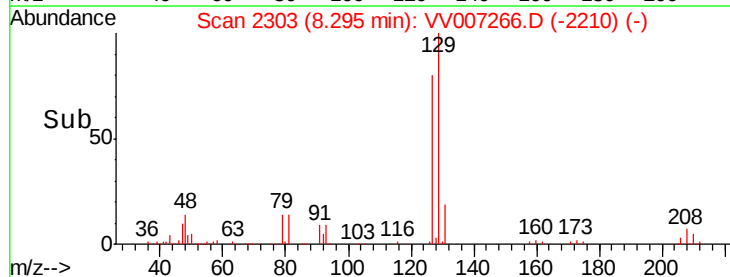
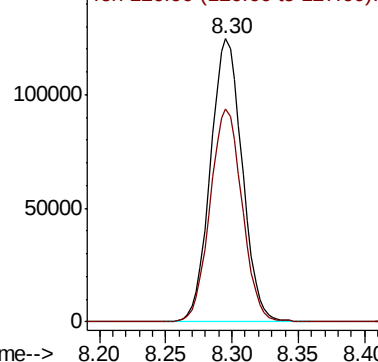


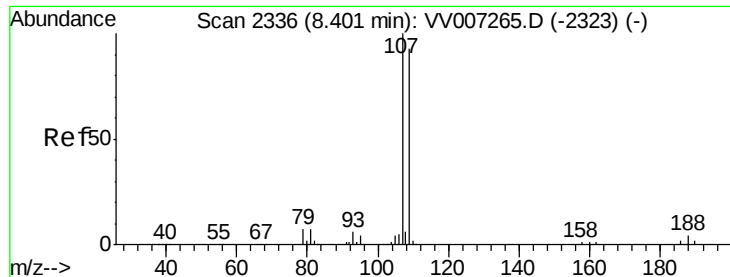
#49
Dibromochloromethane
Concen: 10.403 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007266.D
Acq: 30 Aug 2018 16:32

Tgt Ion: 129 Resp: 207921
Ion Ratio Lower Upper
129 100
127 75.2 52.1 96.9



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

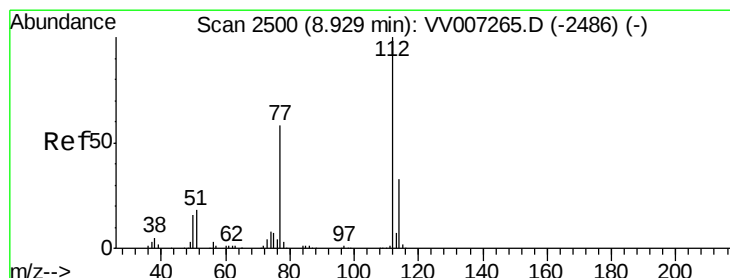
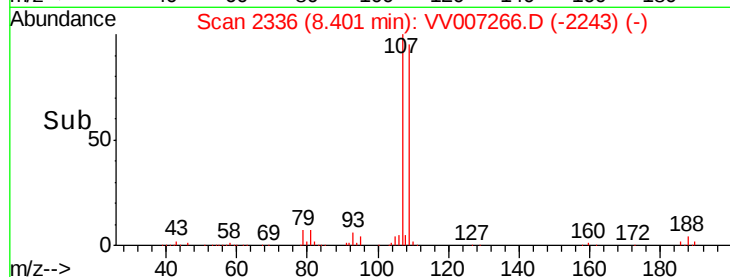
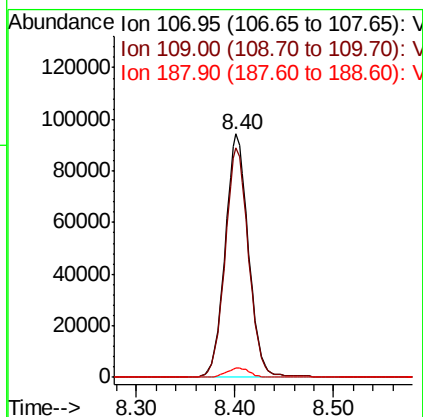
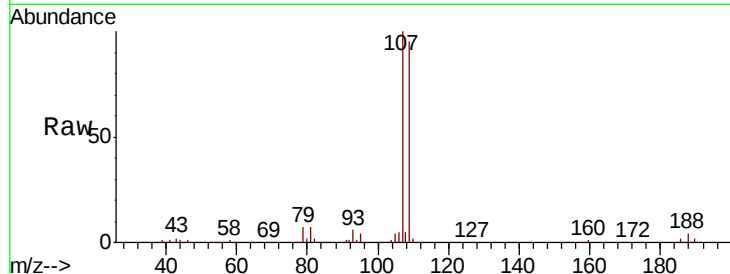




#50
1,2-Dibromoethane
Concen: 10.381 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV007266.D
Acq: 30 Aug 2018 16:32

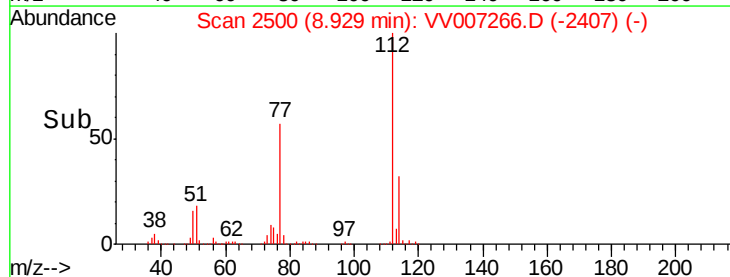
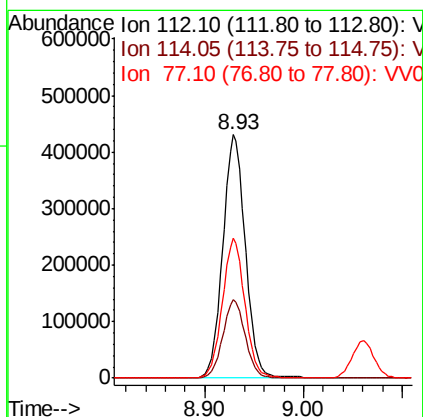
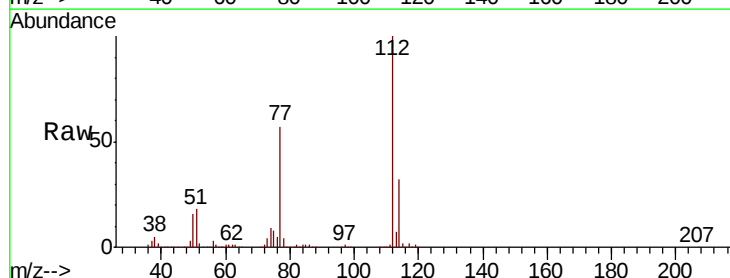
Instrument :
MSVOA_V
ClientSampleId :

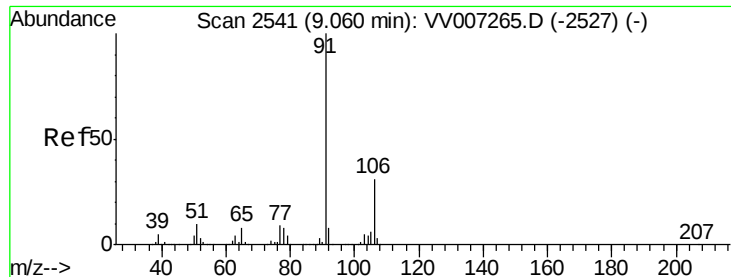
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	65.5	121.6
188	3.8	3.0	4.6



#51
Chlorobenzene
Concen: 11.080 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007266.D
Acq: 30 Aug 2018 16:32

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.7	42.3
77	57.3	46.7	70.1





#52

Ethylbenzene

Concen: 12.274 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

Instrument :

MSVOA_V

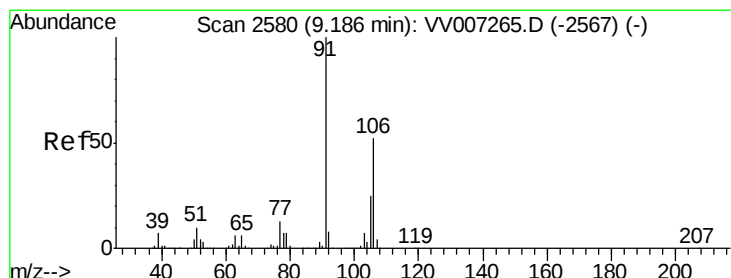
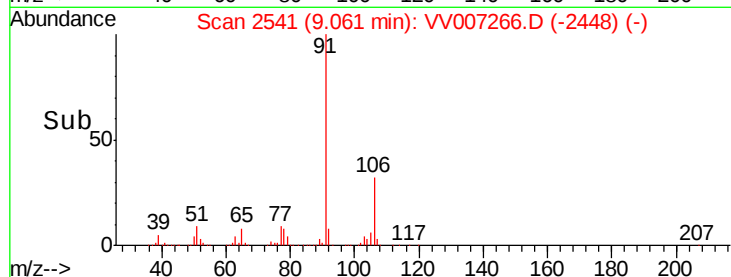
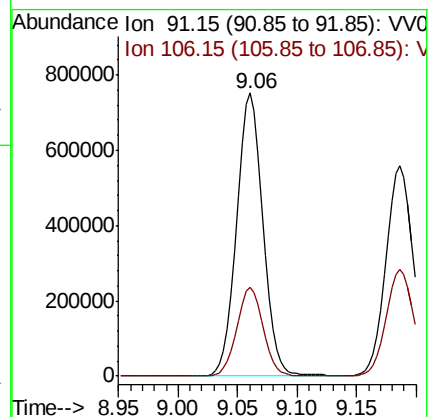
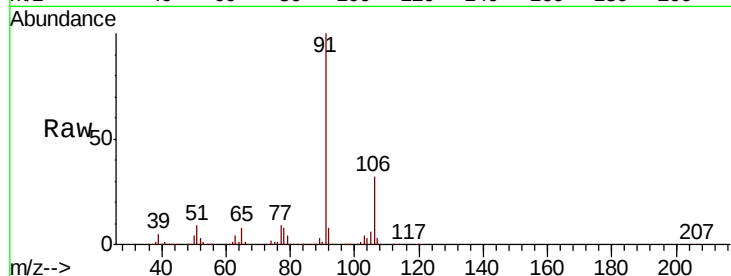
ClientSampled :

Tot Ion: 91 Resp: 1152081

Ion Ratio Lower Upper

91 100

106 31.5 21.6 40.2



#53

m,p-xylene

Concen: 12.614 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007266.D

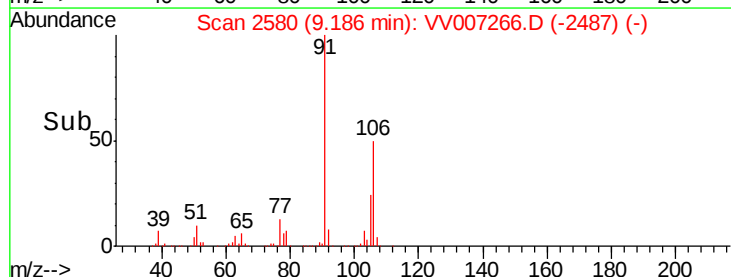
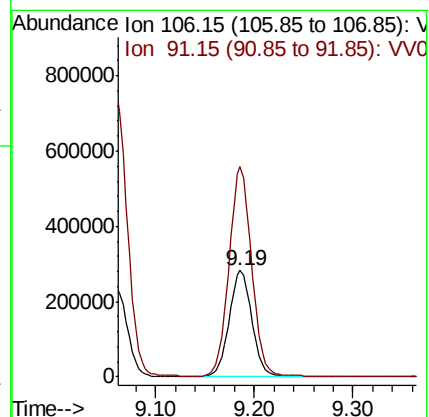
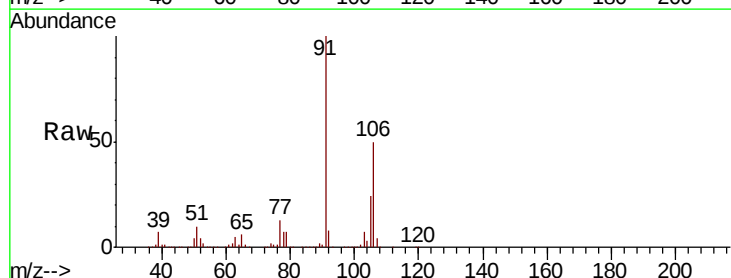
Acq: 30 Aug 2018 16:32

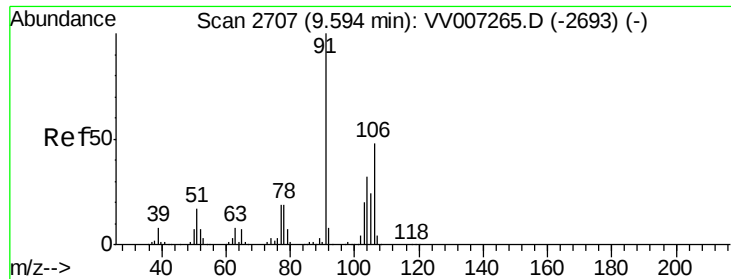
Tgt Ion:106 Resp: 455508

Ion Ratio Lower Upper

106 100

91 198.6 135.9 252.3





#54

o-xylene

Concen: 12.670 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

Instrument :

MSVOA_V

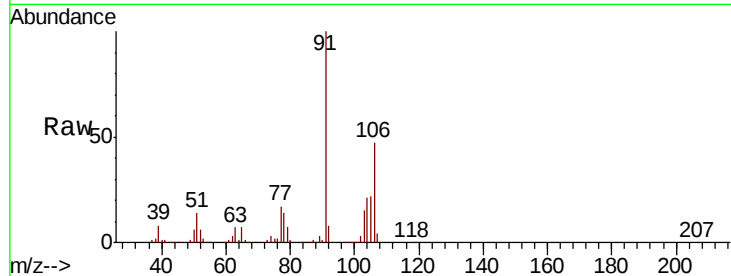
ClientSampled :

Tot Ion:106 Resp: 423969

Ion Ratio Lower Upper

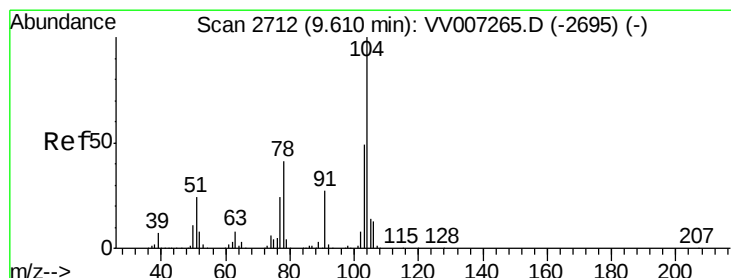
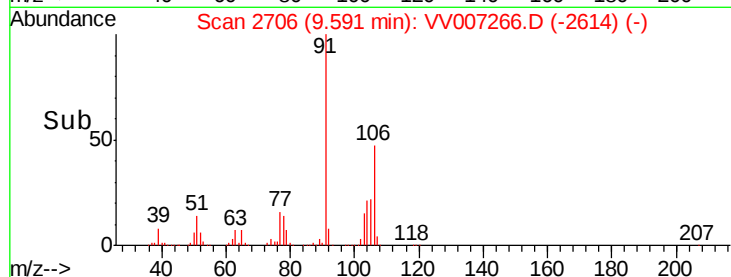
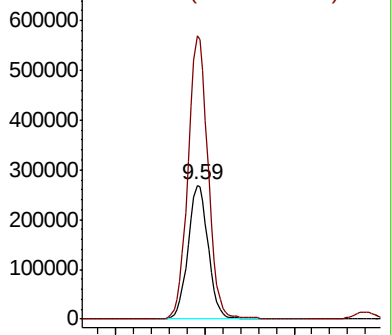
106 100

91 210.9 146.2 271.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 13.103 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV007266.D

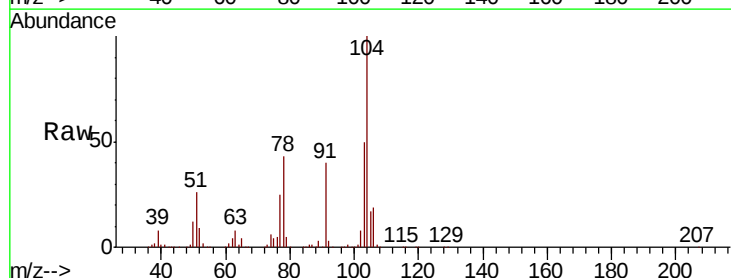
Acq: 30 Aug 2018 16:32

Tgt Ion:104 Resp: 771630

Ion Ratio Lower Upper

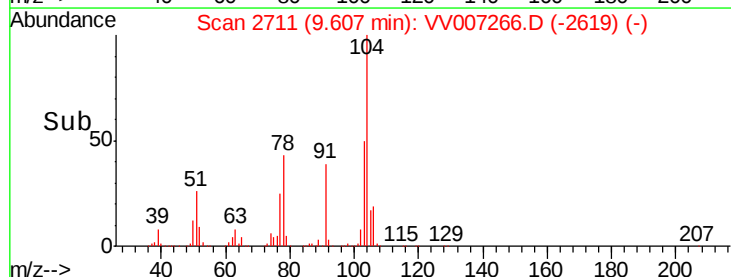
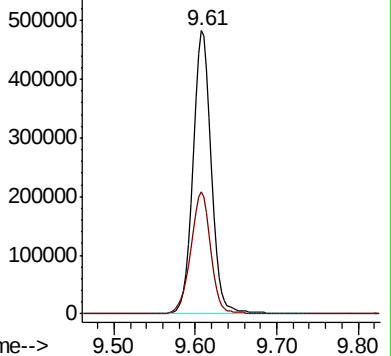
104 100

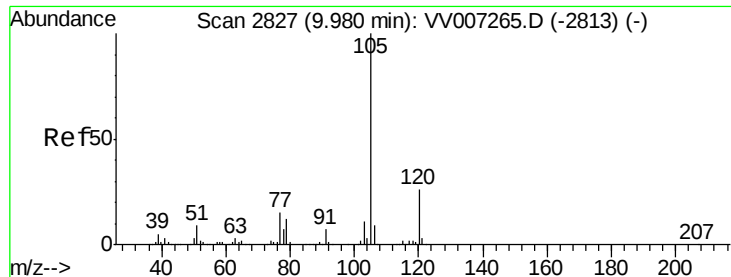
78 43.2 28.8 53.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 12.582 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

Instrument :
MSVOA_V
ClientSampleId :

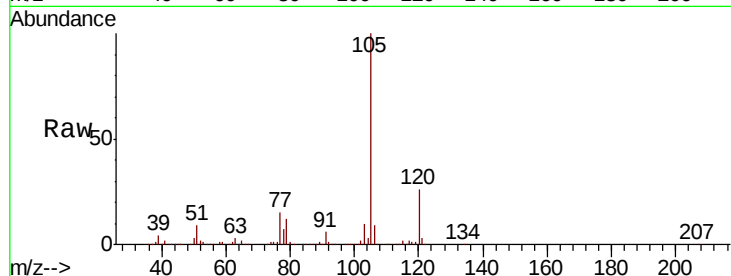
Tot Ion:105 Resp: 1109487

Ion Ratio Lower Upper

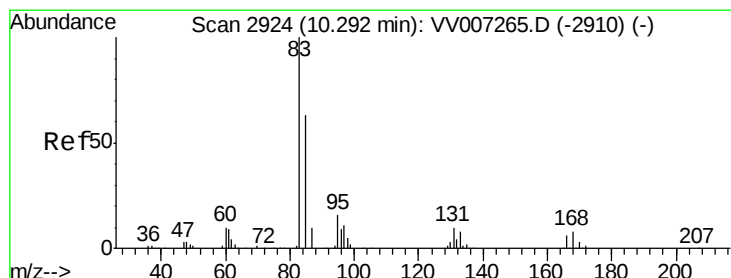
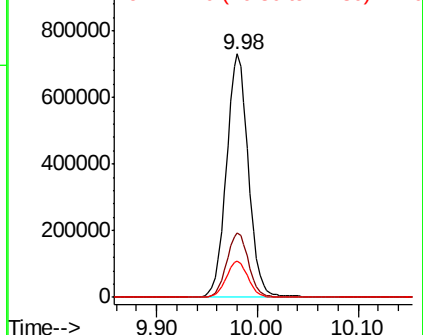
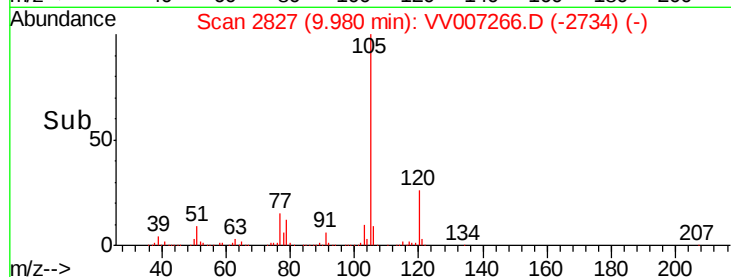
105 100

120 26.4 21.2 31.8

77 15.1 12.2 18.2



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: 10.206 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

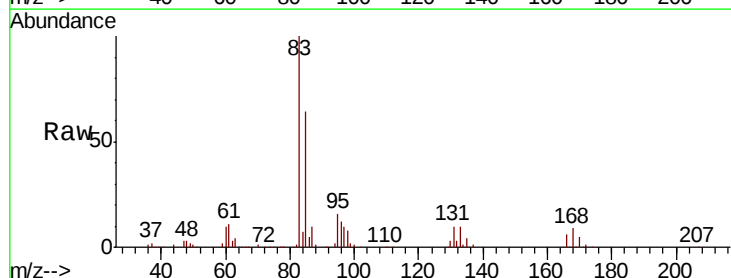
Tgt Ion: 83 Resp: 210322

Ion Ratio Lower Upper

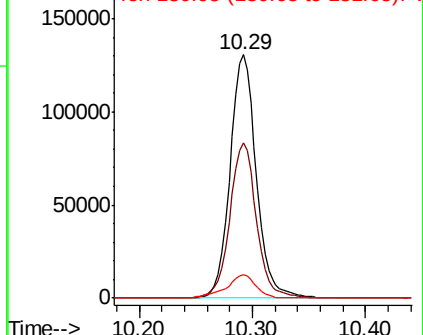
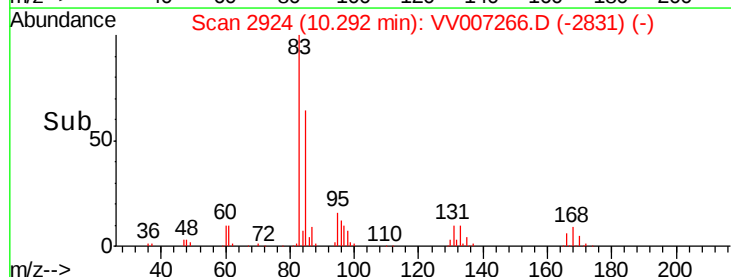
83 100

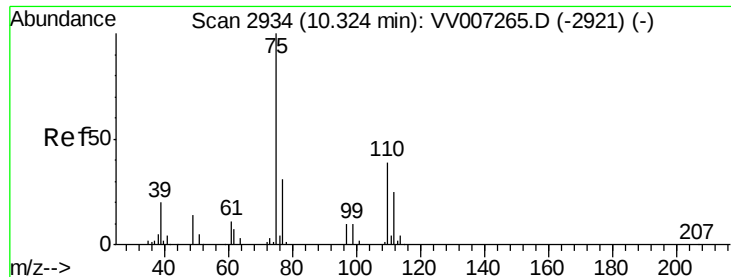
85 63.7 44.1 81.9

131 9.7 7.8 11.8



Abundance Ion 82.95 (82.65 to 83.65): V
Ion 85.00 (84.70 to 85.70): V
Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 10.078 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

Instrument :

MSVOA_V

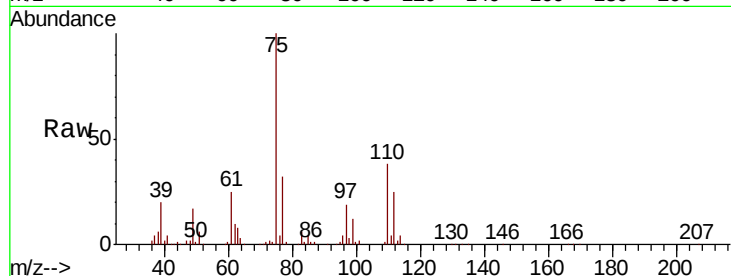
ClientSampled :

Tot Ion: 75 Resp: 148951

Ion Ratio Lower Upper

75 100

77 31.8 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV007265.D (-2921) (-)

Ion 77.00 (76.70 to 77.70): VV007265.D (-2921) (-)

10.32

80000

60000

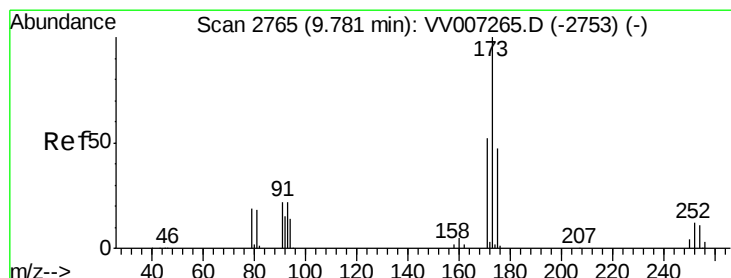
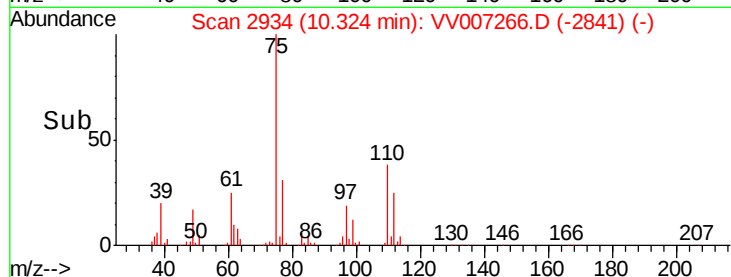
40000

20000

0

10.30 10.40

Time-->



#61

Bromoform

Concen: 9.604 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

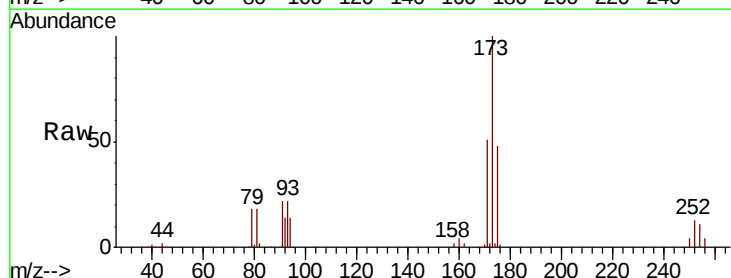
Tgt Ion: 173 Resp: 112568

Ion Ratio Lower Upper

173 100

175 48.4 38.8 58.2

254 11.5 9.0 13.6



Abundance Ion 172.90 (172.60 to 173.60): VV007265.D (-2753) (-)

Ion 174.90 (174.60 to 175.60): VV007265.D (-2753) (-)

Ion 253.75 (253.45 to 254.45): VV007265.D (-2753) (-)

9.78

80000

60000

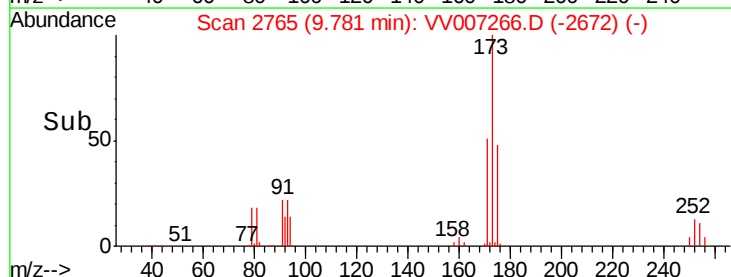
40000

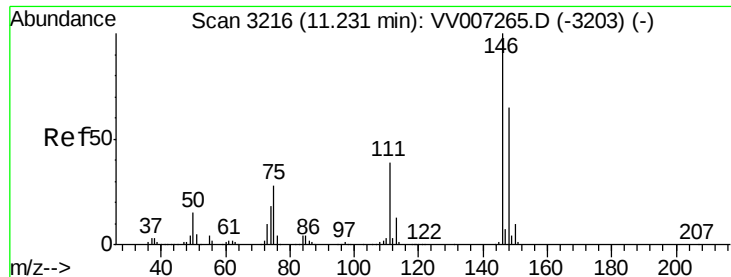
20000

0

9.70 9.75 9.80 9.85

Time-->





#62

1,3-Dichlorobenzene

Concen: 10.470 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

Instrument :

MSVOA_V

ClientSampled :

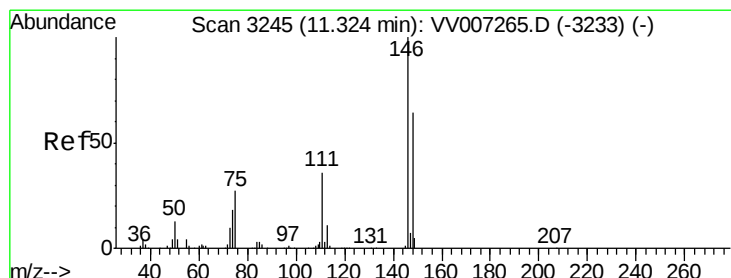
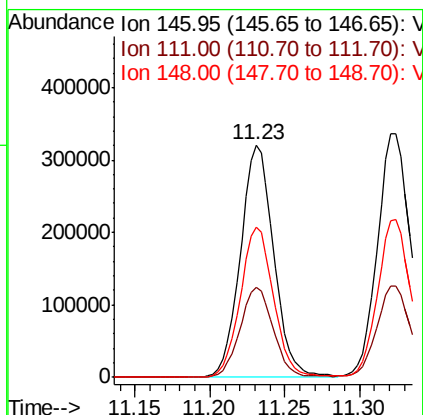
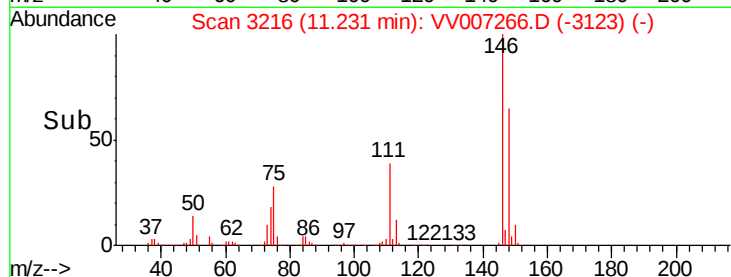
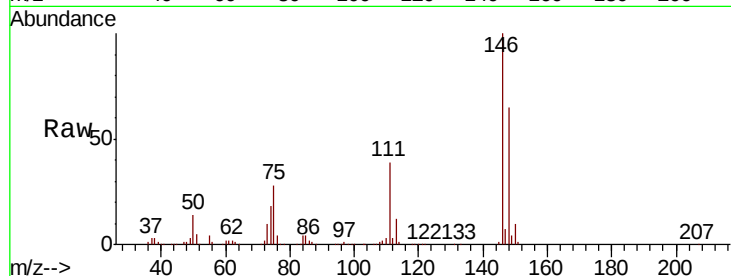
Tot Ion:146 Resp: 497069

Ion Ratio Lower Upper

146 100

111 38.8 27.6 51.2

148 64.9 45.3 84.1



#63

1,4-Dichlorobenzene

Concen: 10.553 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

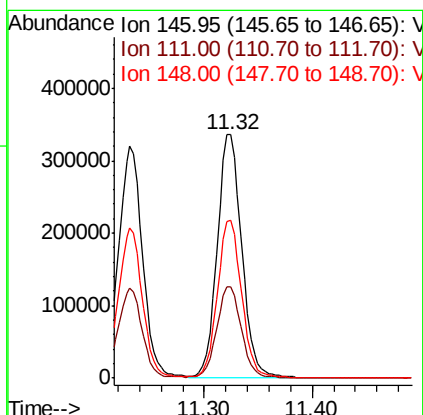
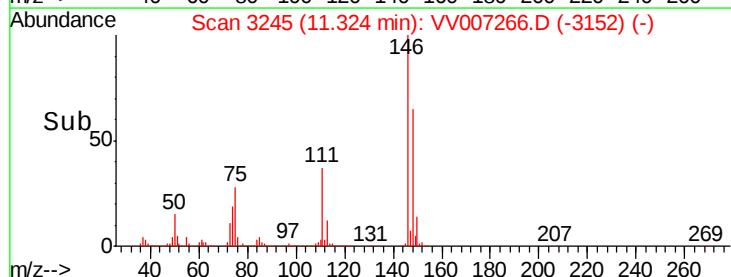
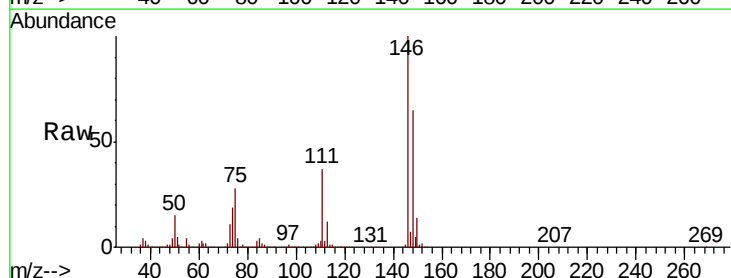
Tgt Ion:146 Resp: 531863

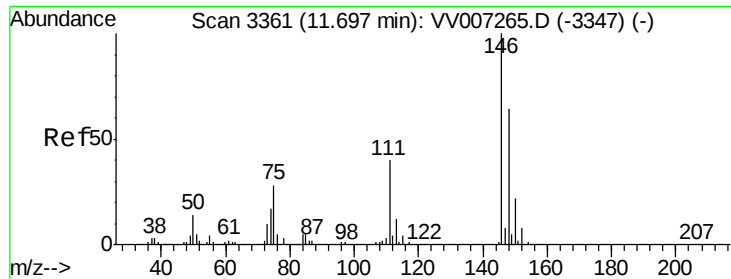
Ion Ratio Lower Upper

146 100

111 37.3 25.6 47.6

148 64.7 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 10.426 ug/L

RT: 11.69 min Scan# 3360

Delta R.T. -0.00 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

Instrument :

MSVOA_V

ClientSampleId :

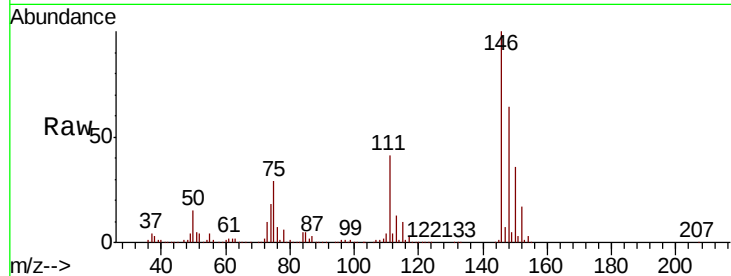
Tot Ion:146 Resp: 497144

Ion Ratio Lower Upper

146 100

111 41.1 32.1 48.1

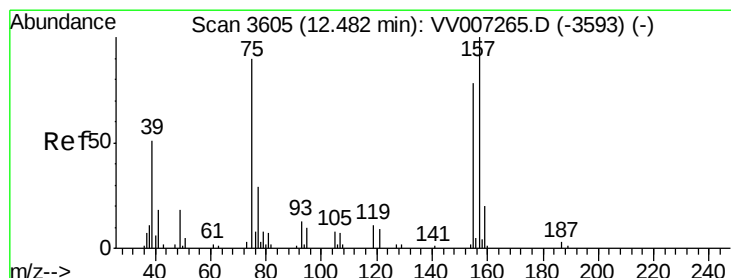
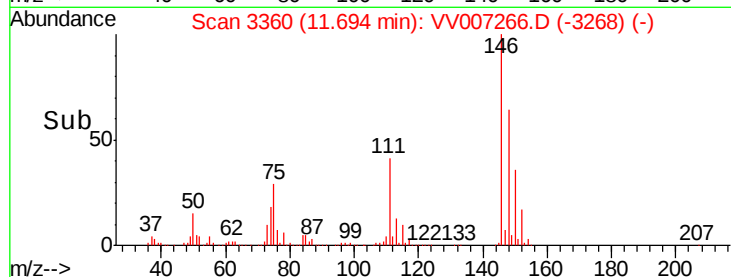
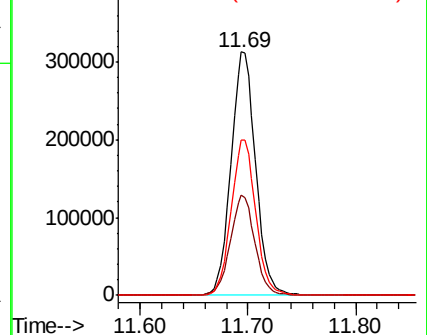
148 63.7 50.8 76.2



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: 10.367 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

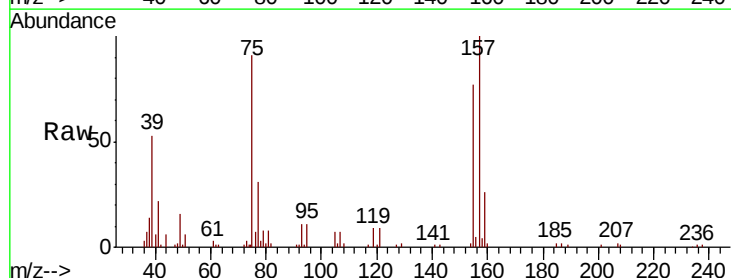
Tgt Ion: 75 Resp: 29598

Ion Ratio Lower Upper

75 100

155 84.2 69.5 104.3

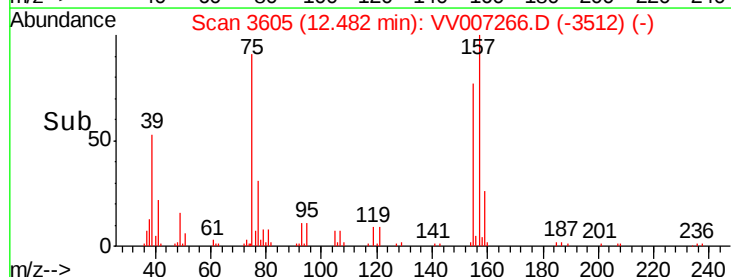
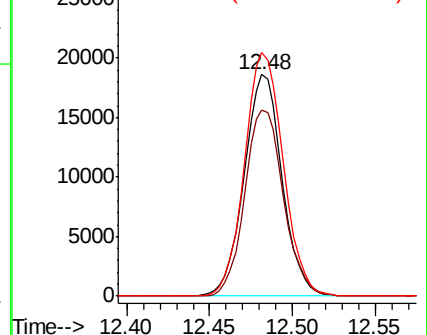
157 110.0 89.1 133.7

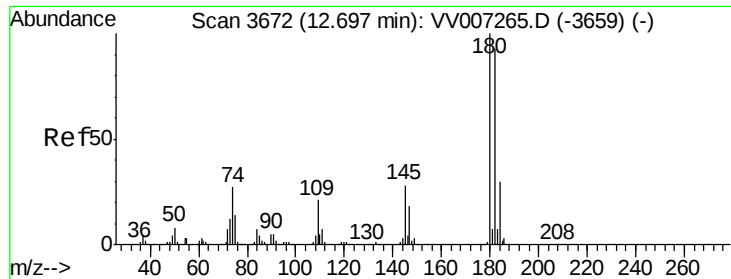


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

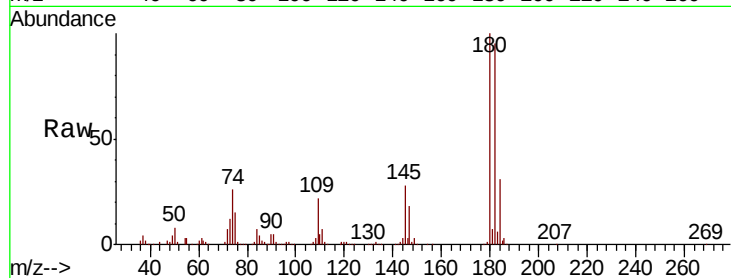




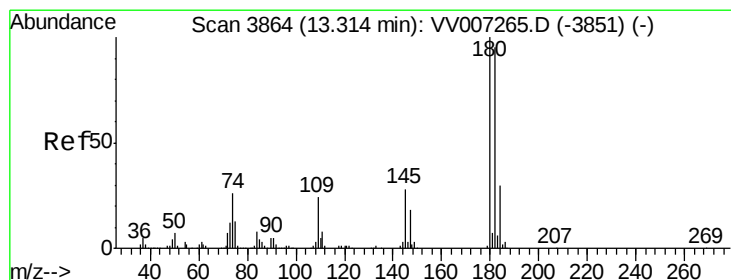
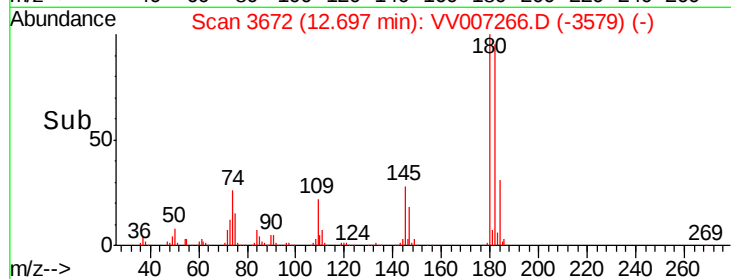
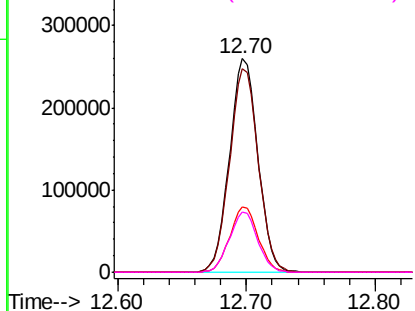
#67
 1,3,5-Trichlorobenzene
 Concen: 11.147 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. 0.00 min
 Lab File: VV007266.D
 Acq: 30 Aug 2018 16:32

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	396102
Ion Ratio	Lower	Upper
180	100	
182	96.5	75.2 112.8
184	30.7	23.8 35.6
145	28.0	22.2 33.4

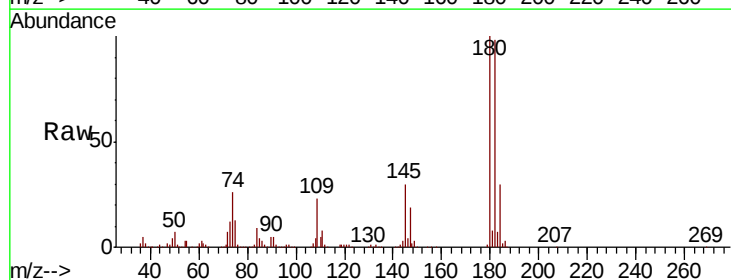


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

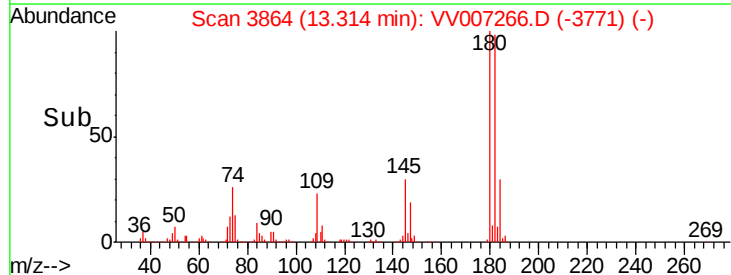
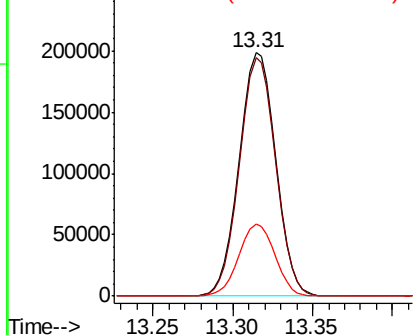


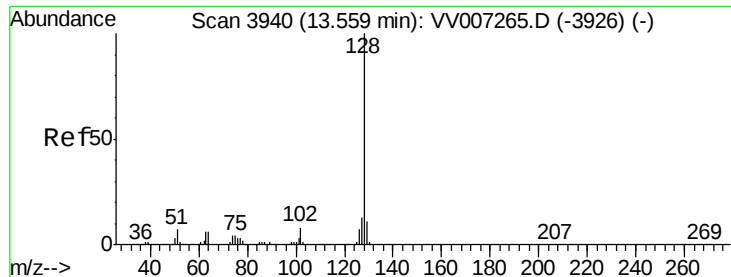
#68
 1,2,4-trichlorobenzene
 Concen: 12.633 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. 0.00 min
 Lab File: VV007266.D
 Acq: 30 Aug 2018 16:32

Tgt Ion:180	Resp:	309250
Ion Ratio	Lower	Upper
180	100	
182	96.7	76.3 114.5
145	29.2	22.4 33.6



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: 14.602 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

Instrument :

MSVOA_V

ClientSampleId :

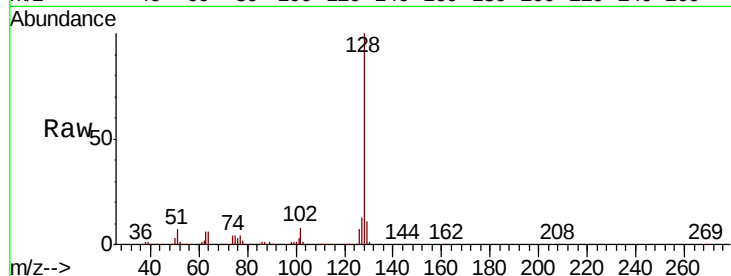
Tot Ion:128 Resp: 470415

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

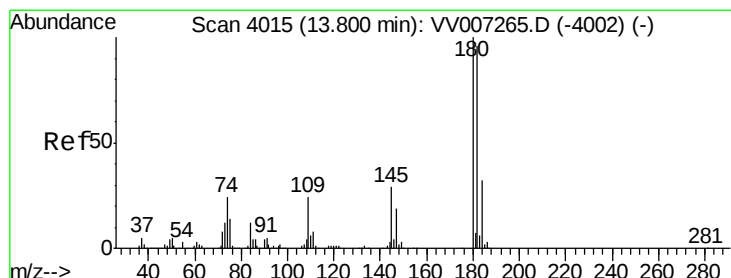
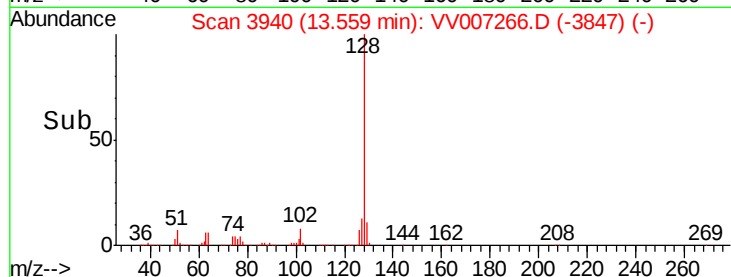
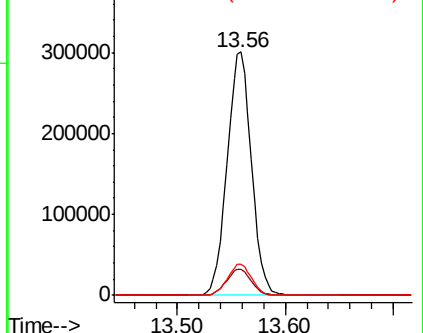
127 12.9 10.6 16.0



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: 12.460 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007266.D

Acq: 30 Aug 2018 16:32

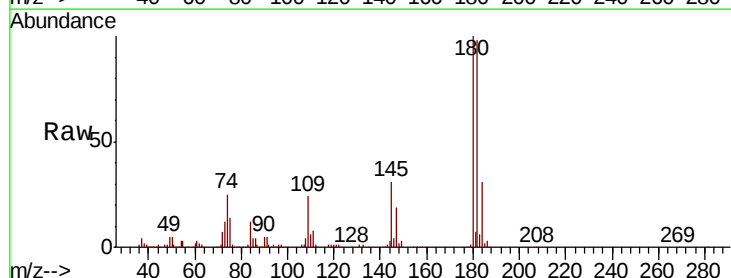
Tgt Ion:180 Resp: 298136

Ion Ratio Lower Upper

180 100

182 96.5 76.6 114.8

145 31.1 24.8 37.2



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

