

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV083018\
 Data File : VV007267.D
 Acq On : 30 Aug 2018 16:59
 Operator : SY/MD
 Sample : VSTD02067
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 31 01:34:52 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	327527	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	325622	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	168092	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	551309	22.43	ug/L	0.00
7) Chloroethane-d5	1.58	69	419826	21.61	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	911717	21.83	ug/L	0.00
20) 2-Butanone-d5	3.97	46	1170176	204.93	ug/L	0.00
24) Chloroform-d	4.41	84	970784	20.20	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	447561	18.95	ug/L	0.00
32) Benzene-d6	5.10	84	2062170	21.72	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	624282	20.37	ug/L	0.00
41) Toluene-d8	7.36	98	1894671	22.81	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	234877	21.62	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	955837	311.09	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	435620	18.75	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	653716	20.06	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	492533	19.447 ug/L	# 76
3) Chloromethane	1.25	50	618179	22.565 ug/L	98
5) Vinyl chloride	1.32	62	598531	22.754 ug/L	99
6) Bromomethane	1.54	94	295463	29.084 ug/L	100
8) Chloroethane	1.60	64	339634	21.513 ug/L	100
9) Trichlorofluoromethane	1.77	101	757434	21.091 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	455283	20.379 ug/L	99
12) 1,1-Dichloroethene	2.14	96	439025	21.733 ug/L	92
13) Acetone	2.21	43	559567	193.806 ug/L	99
14) Carbon disulfide	2.32	76	1443754	23.505 ug/L	99
15) Methyl Acetate	2.47	43	153269	19.995 ug/L	97
16) Methylene chloride	2.54	84	462074	19.042 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	1023147	20.221 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	483974	21.518 ug/L	98
19) 1,1-Dichloroethane	3.23	63	882256	19.974 ug/L	100
21) 2-Butanone	4.05	43	1199955	204.206 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	562127	21.975 ug/L	99
23) Bromochloromethane	4.30	128	234018	20.429 ug/L	97
25) Chloroform	4.43	83	922564	20.445 ug/L	99
27) 1,2-Dichloroethane	5.19	62	539566	20.522 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	792501	20.818 ug/L	100
30) Cyclohexane	4.73	56	890386	25.873 ug/L	98
31) Carbon tetrachloride	4.88	117	696109	21.443 ug/L	100
33) Benzene	5.15	78	2197540	22.490 ug/L	100
34) Trichloroethene	5.96	95	526513	21.471 ug/L	99
35) Methylcyclohexane	6.18	83	964752	26.386 ug/L	97
37) 1,2-Dichloropropane	6.23	63	551842	21.438 ug/L	99
38) Bromodichloromethane	6.56	83	640081	20.818 ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	778135	24.375 ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	2830827	216.315 ug/L	97

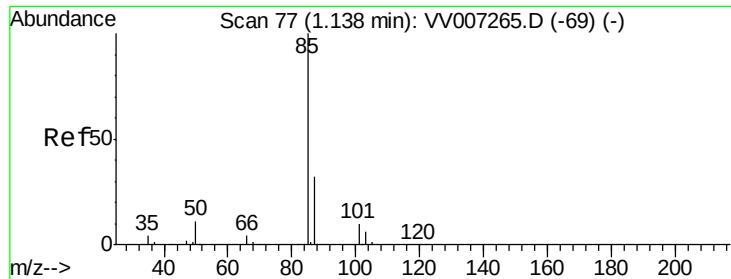
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV083018\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 31 01:32:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	2273622	23.559	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	621815	23.280	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	357345	19.706	ug/L	97
47) Tetrachloroethene	8.02	164	449658	22.103	ug/L	99
48) 2-Hexanone	8.19	43	2023179	208.276	ug/L	96
49) Dibromochloromethane	8.30	129	425168	20.582	ug/L	96
50) 1,2-Dibromoethane	8.40	107	325014	20.787	ug/L	99
51) Chlorobenzene	8.93	112	1424774	21.997	ug/L	99
52) Ethylbenzene	9.06	91	2479048	25.556	ug/L	99
53) m,p-xylene	9.19	106	960694	25.742	ug/L	98
54) o-xylene	9.59	106	911527	26.358	ug/L	99
55) Styrene	9.61	104	1605700	26.383	ug/L	97
56) Isopropylbenzene	9.98	105	2397418	26.307	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	429185	20.152	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	300670	19.685	ug/L	99
61) Bromoform	9.78	173	237540	19.121	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	1079120	21.445	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	1127993	21.115	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	1038062	20.539	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	61486	20.320	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	864212	22.946	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	716338	27.609	ug/L	99
69) Naphthalene	13.56	128	1176928	34.468	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	670326	26.432	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 19.447 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV007267.D

Acq: 30 Aug 2018 16:59

Instrument :

MSVOA_V

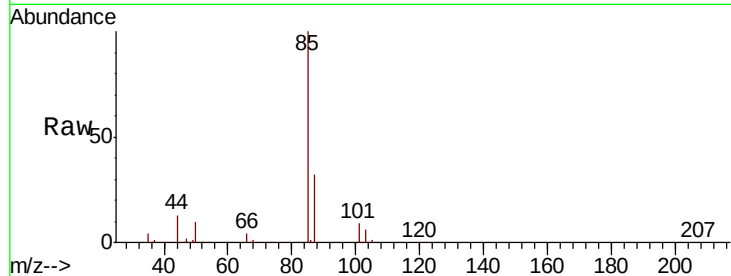
ClientSampleId :

Tot Ion: 85 Resp: 492533

Ion Ratio Lower Upper

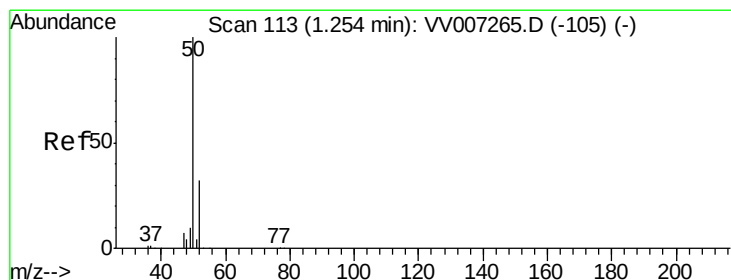
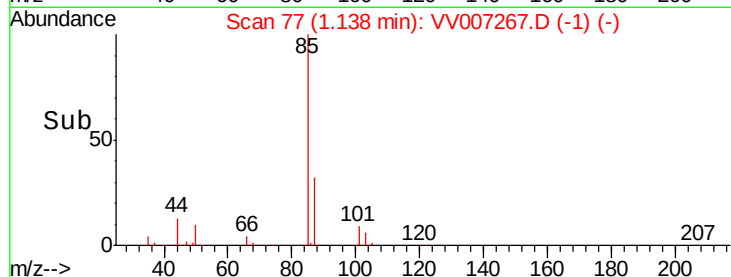
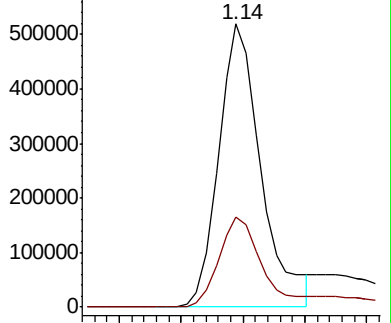
85 100

87 39.0 21.4 32.0#



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 22.565 ug/L

RT: 1.25 min Scan# 113

Delta R.T. -0.00 min

Lab File: VV007267.D

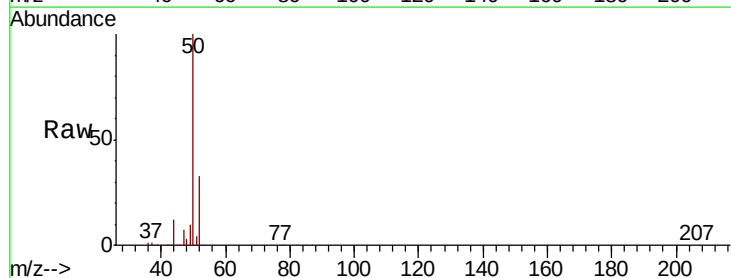
Acq: 30 Aug 2018 16:59

Tgt Ion: 50 Resp: 618179

Ion Ratio Lower Upper

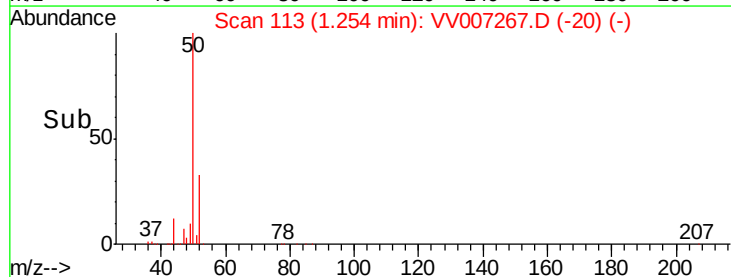
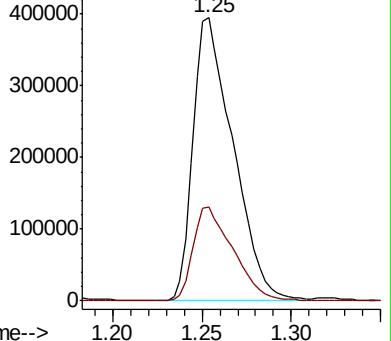
50 100

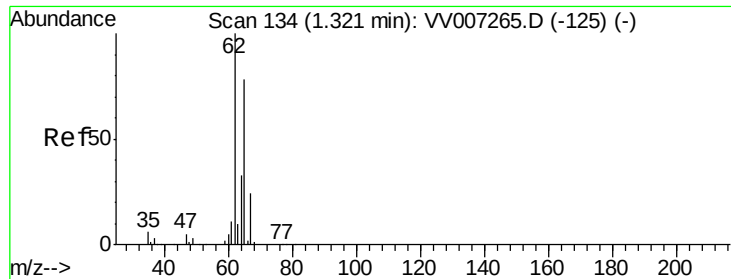
52 33.1 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 22.754 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV007267.D

Acq: 30 Aug 2018 16:59

Instrument :

MSVOA_V

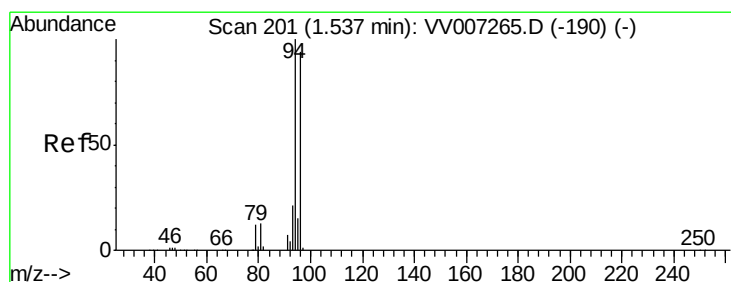
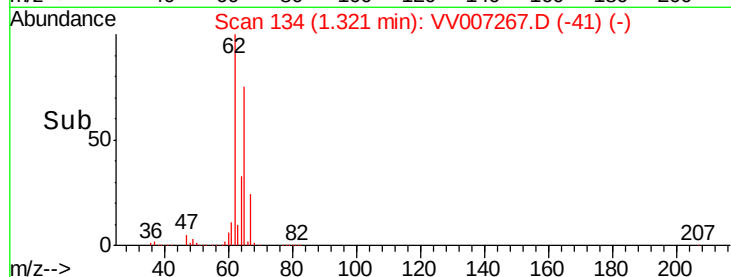
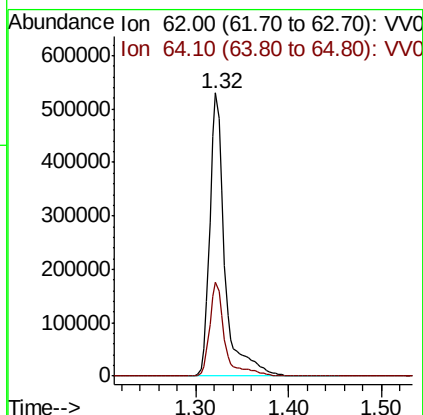
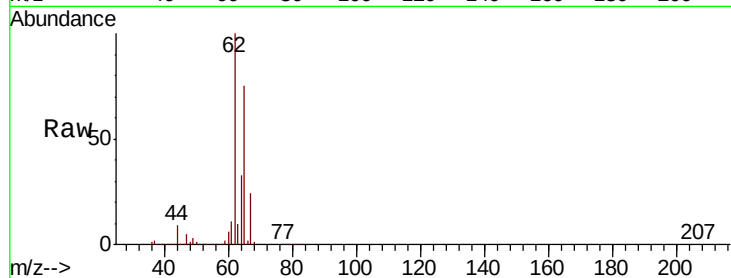
ClientSampled :

Tot Ion: 62 Resp: 598531

Ion Ratio Lower Upper

62 100

64 33.3 22.8 42.4



#6

Bromomethane

Concen: 29.084 ug/L

RT: 1.54 min Scan# 201

Delta R.T. -0.00 min

Lab File: VV007267.D

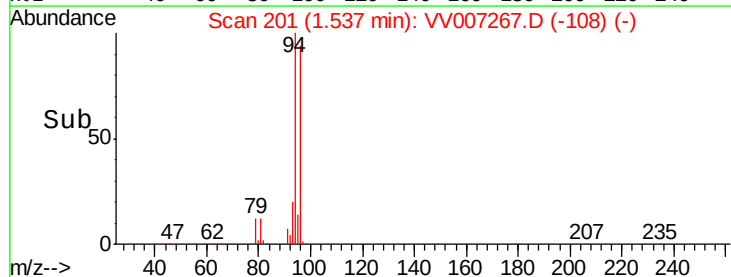
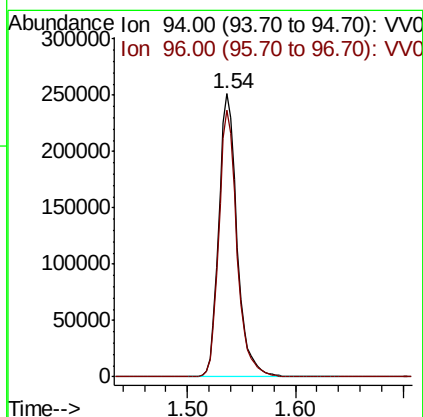
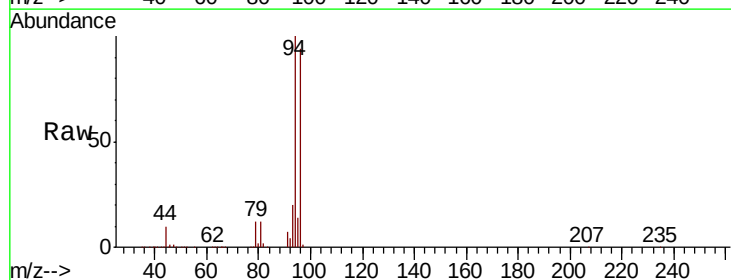
Acq: 30 Aug 2018 16:59

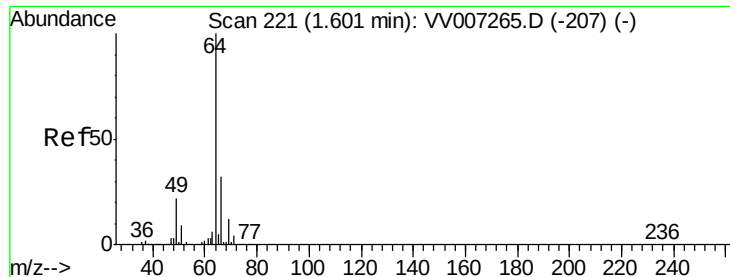
Tgt Ion: 94 Resp: 295463

Ion Ratio Lower Upper

94 100

96 94.2 65.8 122.2





#8

Chloroethane

Concen: 21.513 ug/L

RT: 1.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VV007267.D

Acq: 30 Aug 2018 16:59

Instrument :

MSVOA_V

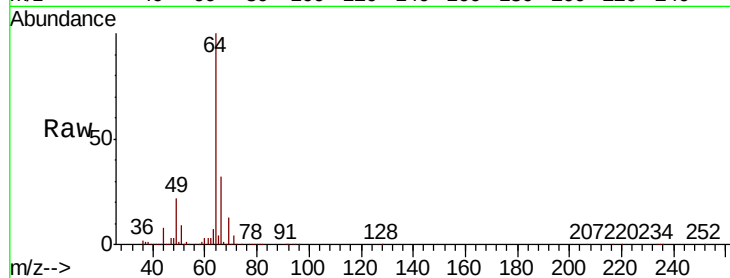
ClientSampleId :

Tot Ion: 64 Resp: 339634

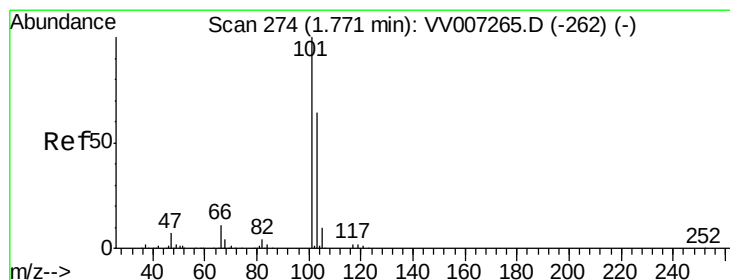
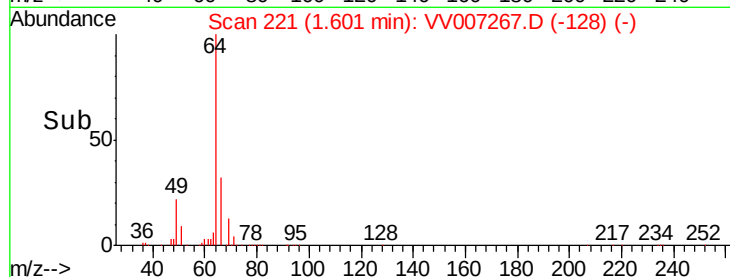
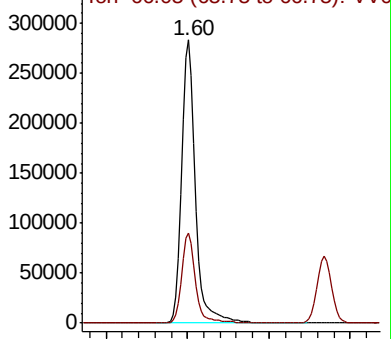
Ion Ratio Lower Upper

64 100

66 31.9 22.3 41.3



Abundance Ion 64.10 (63.80 to 64.80): VV007265.D (-207) (-)



#9

Trichlorofluoromethane

Concen: 21.091 ug/L

RT: 1.77 min Scan# 273

Delta R.T. -0.00 min

Lab File: VV007267.D

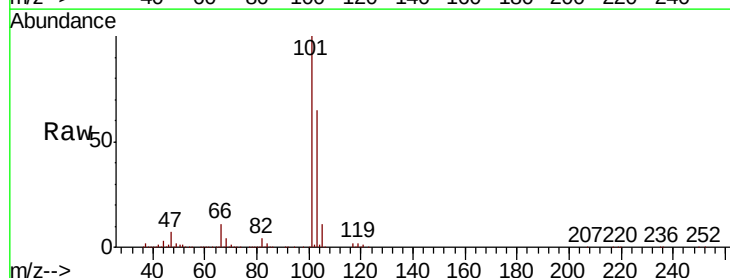
Acq: 30 Aug 2018 16:59

Tgt Ion:101 Resp: 757434

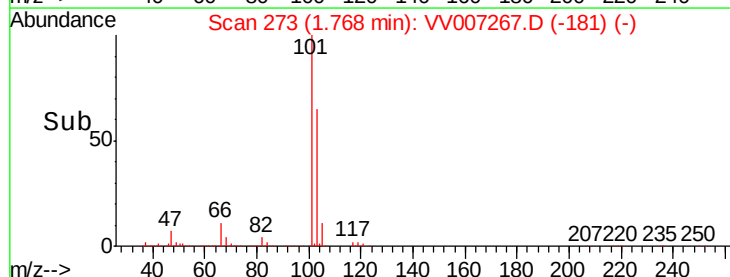
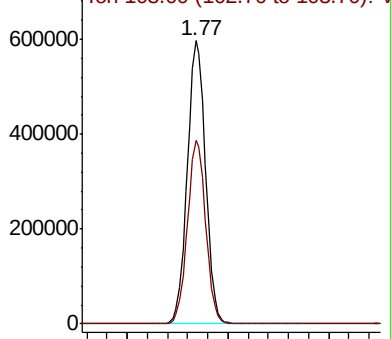
Ion Ratio Lower Upper

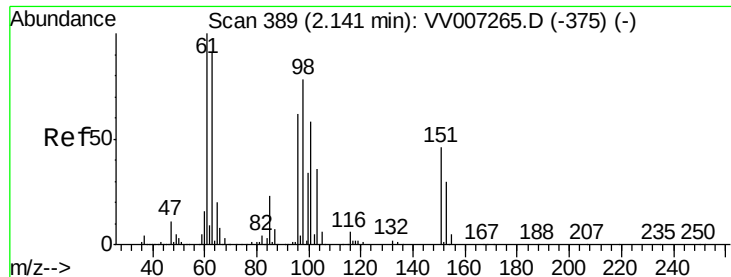
101 100

103 64.9 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VV007265.D (-262) (-)





#10

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

Concen: 20.379 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007267.D

Acq: 30 Aug 2018 16:59

Instrument :

MSVOA_V

ClientSampleId :

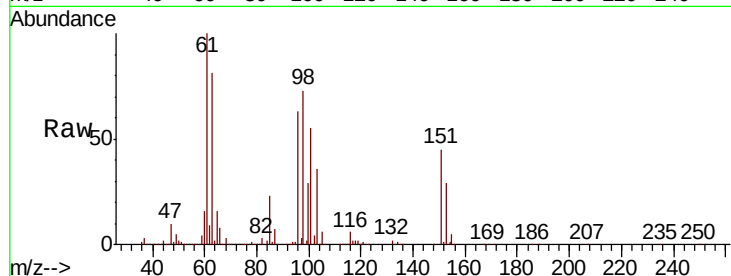
Tot Ion:101 Resp: 455283

Ion Ratio Lower Upper

101 100

85 40.9 32.4 48.6

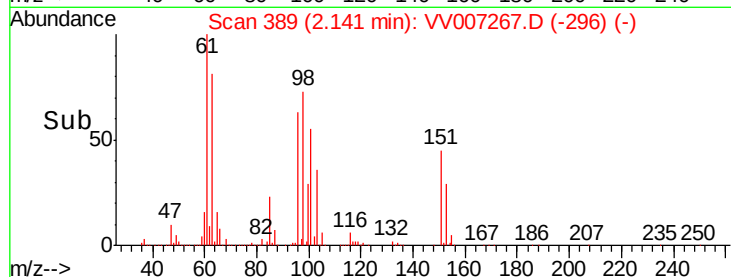
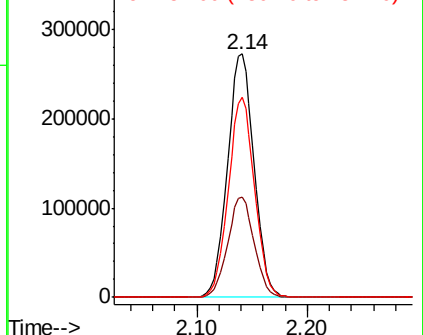
151 80.9 64.2 96.2



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: 21.733 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007267.D

Acq: 30 Aug 2018 16:59

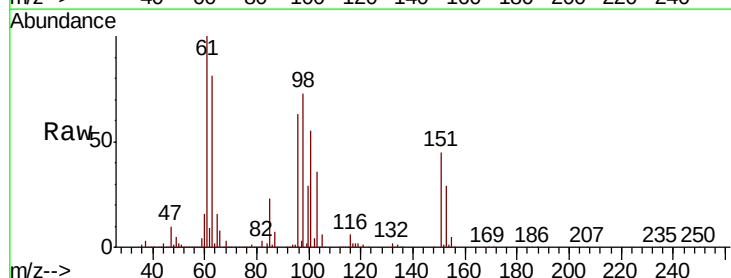
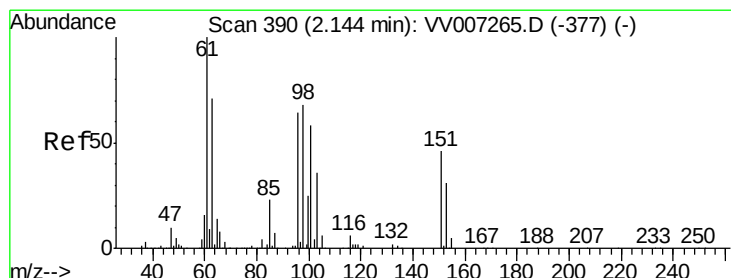
Tgt Ion: 96 Resp: 439025

Ion Ratio Lower Upper

96 100

61 157.9 108.8 202.0

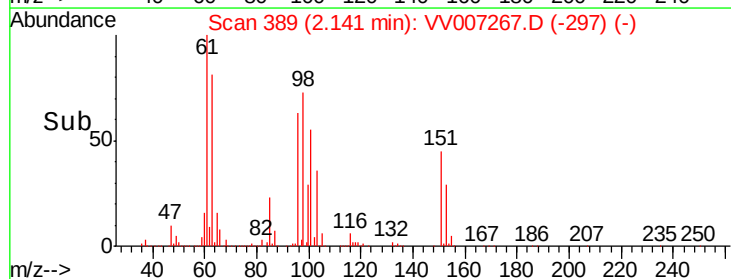
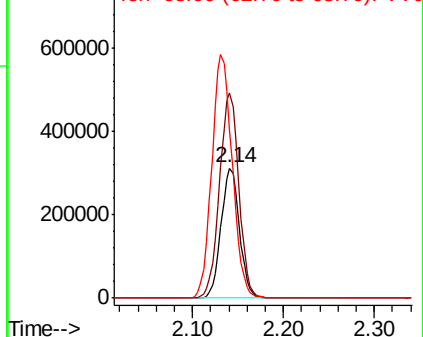
63 128.7 78.0 144.9

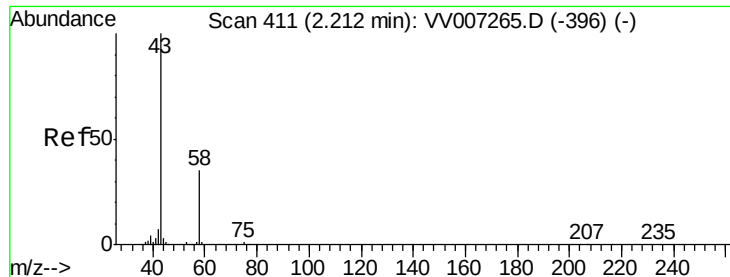


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 193.806 ug/L

RT: 2.21 min Scan# 412

Delta R.T. 0.00 min

Lab File: VV007267.D

Acq: 30 Aug 2018 16:59

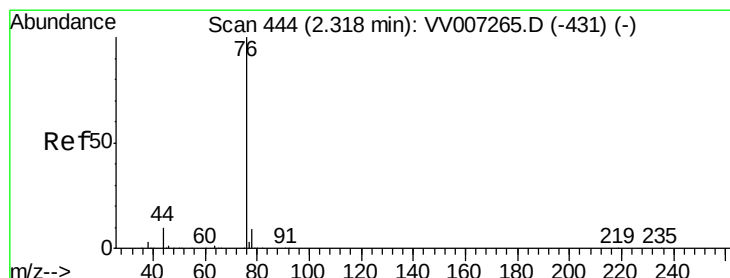
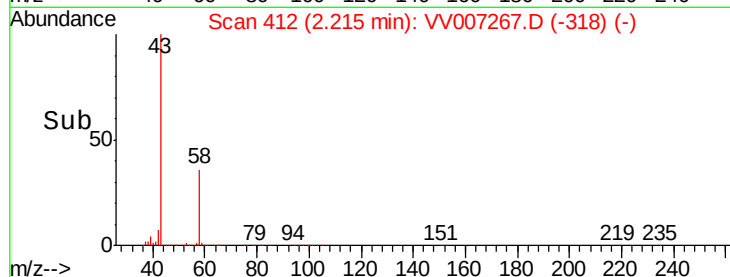
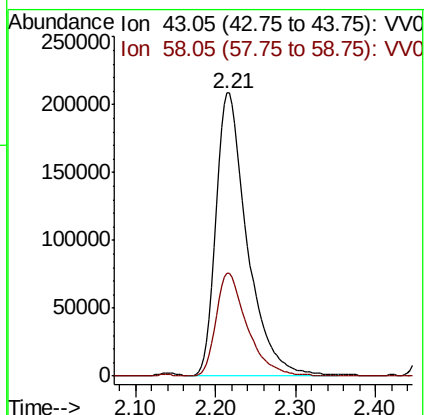
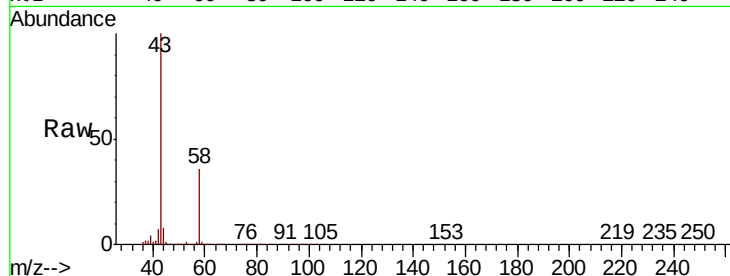
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 559567

Ion Ratio Lower Upper

43 100

58 36.7 0.0 71.8



#14

Carbon disulfide

Concen: 23.505 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV007267.D

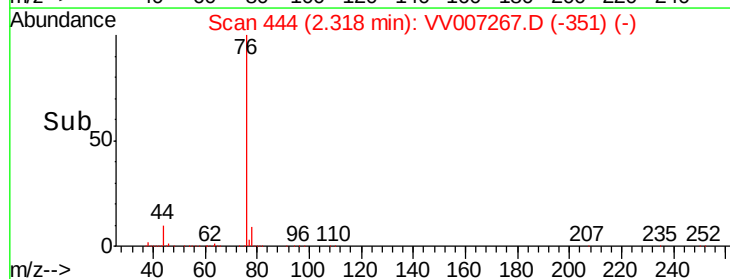
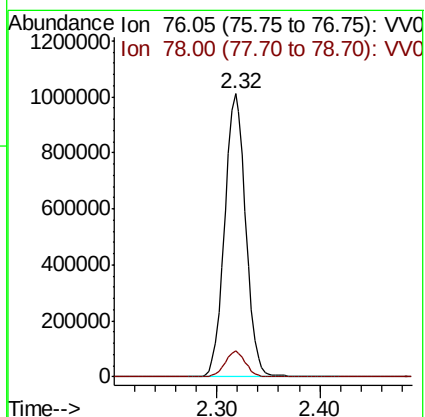
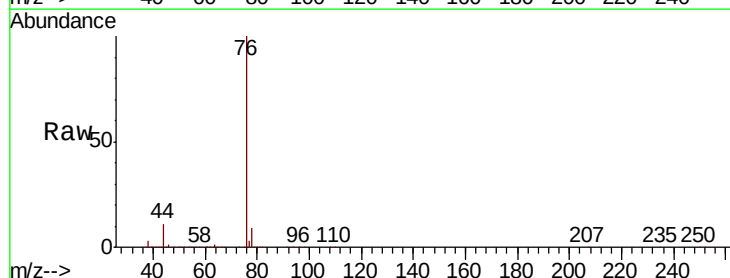
Acq: 30 Aug 2018 16:59

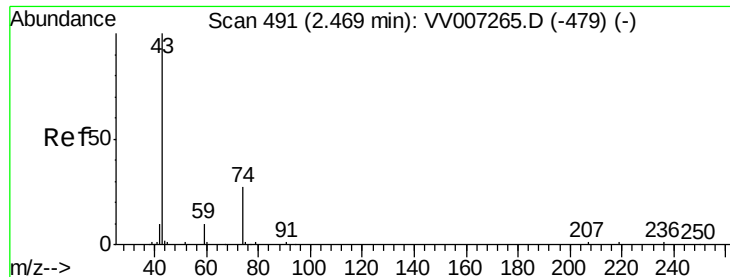
Tgt Ion: 76 Resp: 1443754

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

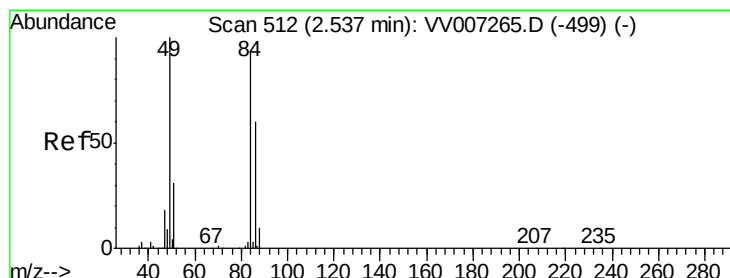
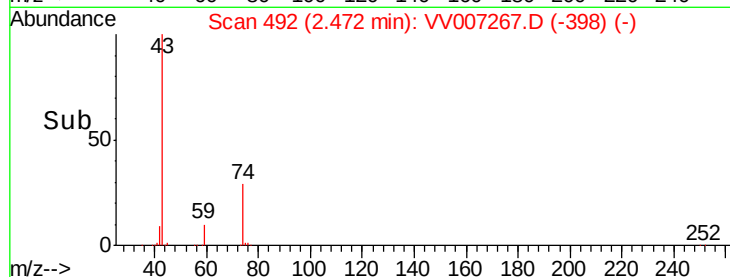
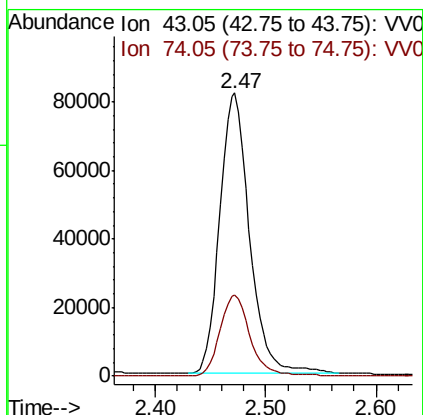
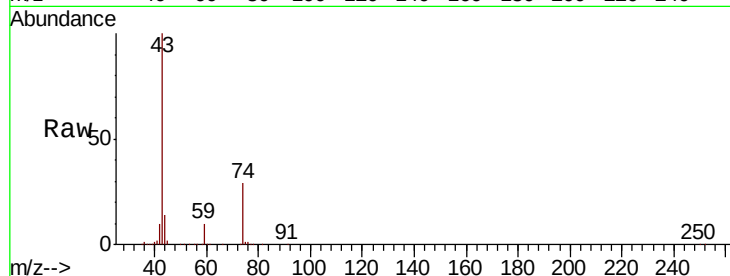




#15
Methvl Acetate
Concen: 19.995 ug/L
RT: 2.47 min Scan# 492
Delta R.T. 0.00 min
Lab File: VV007267.D
Acq: 30 Aug 2018 16:59

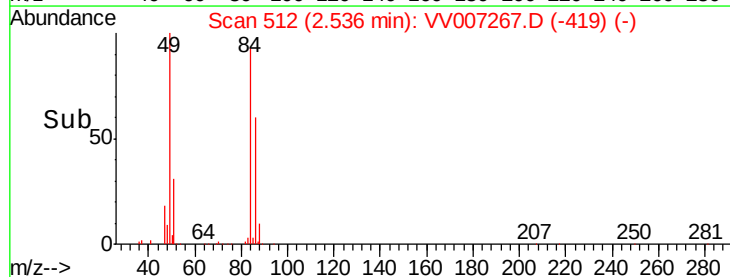
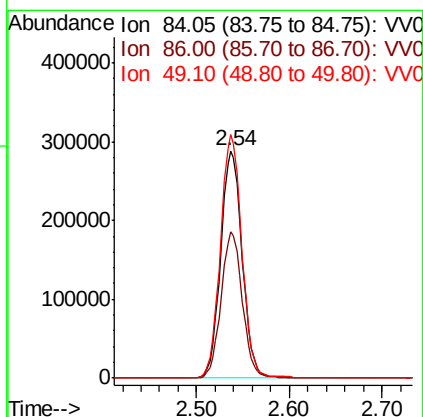
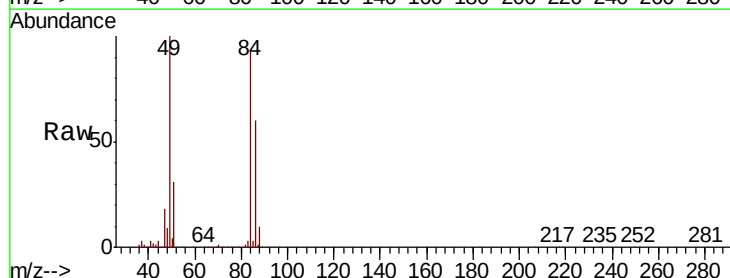
Instrument :
MSVOA_V
ClientSampleId :

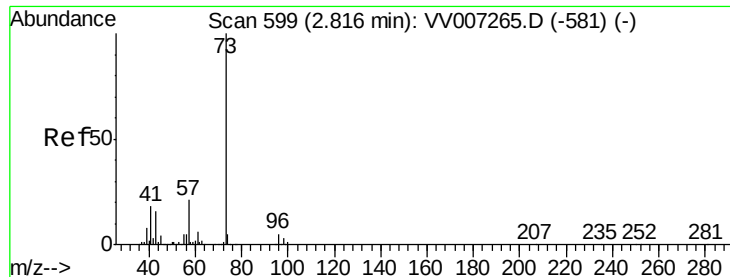
Tot Ion: 43 Resp: 153269
Ion Ratio Lower Upper
43 100
74 29.7 22.5 33.7



#16
Methylene chloride
Concen: 19.042 ug/L
RT: 2.54 min Scan# 512
Delta R.T. -0.00 min
Lab File: VV007267.D
Acq: 30 Aug 2018 16:59

Tgt Ion: 84 Resp: 462074
Ion Ratio Lower Upper
84 100
86 64.1 44.8 83.2
49 107.0 75.2 139.6

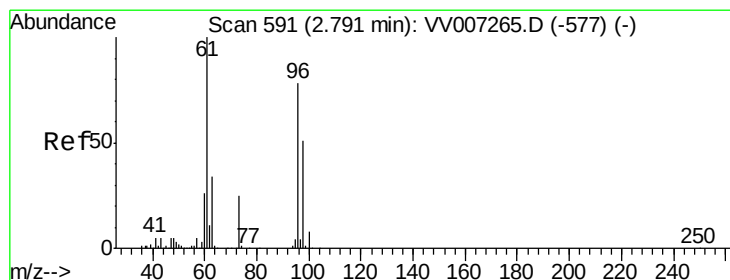
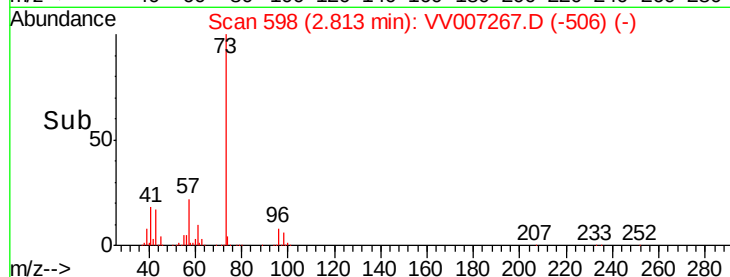
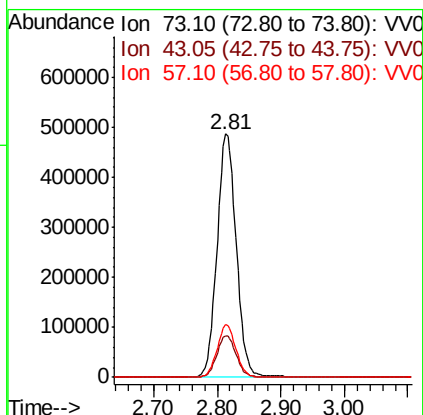
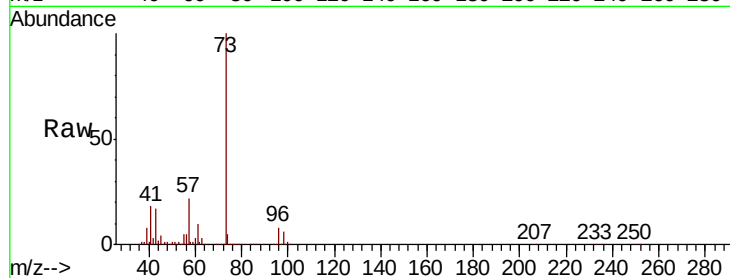




#17
Methyl tert-butyl Ether
Concen: 20.221 ug/L
RT: 2.81 min Scan# 598
Delta R.T. -0.00 min
Lab File: VV007267.D
Acq: 30 Aug 2018 16:59

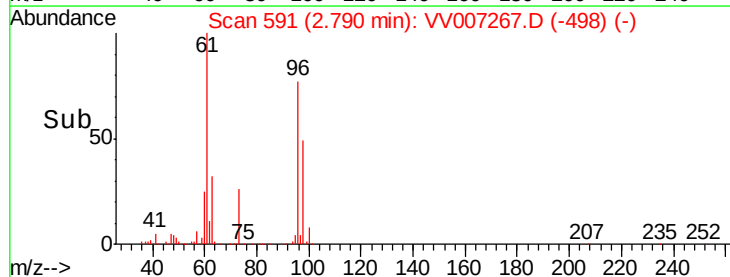
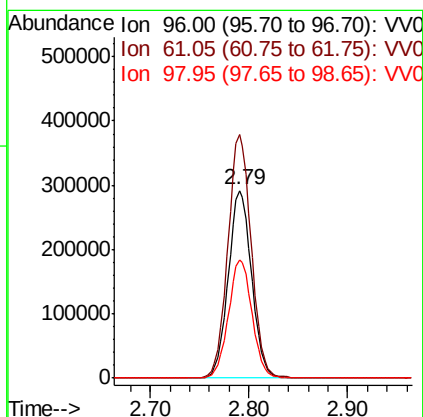
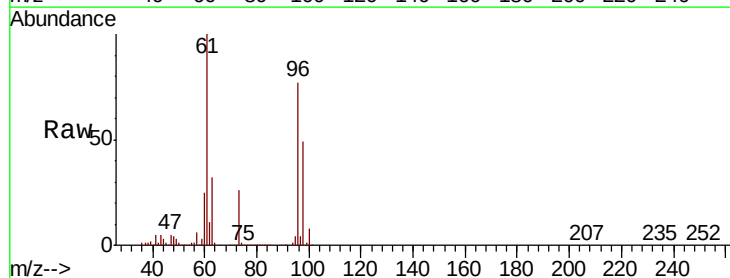
Instrument :
MSVOA_V
ClientSampleId :

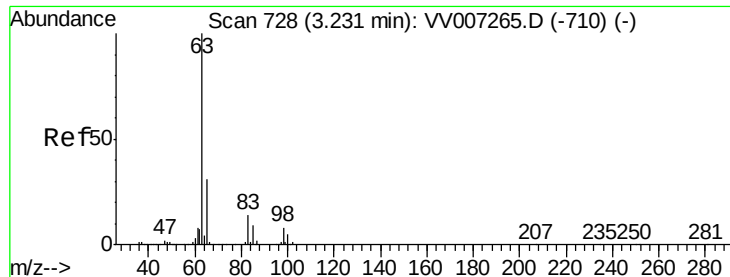
Tot Ion: 73 Resp: 1023147
Ion Ratio Lower Upper
73 100
43 17.1 13.2 19.8
57 21.1 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 21.518 ug/L
RT: 2.79 min Scan# 591
Delta R.T. -0.00 min
Lab File: VV007267.D
Acq: 30 Aug 2018 16:59

Tgt Ion: 96 Resp: 483974
Ion Ratio Lower Upper
96 100
61 129.9 89.5 166.3
98 63.4 45.3 84.1





#19

1,1-Dichloroethane

Concen: 19.974 ug/L

RT: 3.23 min Scan# 728

Delta R.T. -0.00 min

Lab File: VV007267.D

Acq: 30 Aug 2018 16:59

Instrument :

MSVOA_V

ClientSampled :

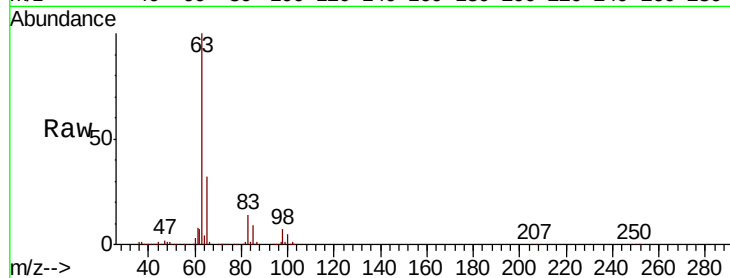
Tot Ion: 63 Resp: 882256

Ion Ratio Lower Upper

63 100

65 31.9 22.1 41.1

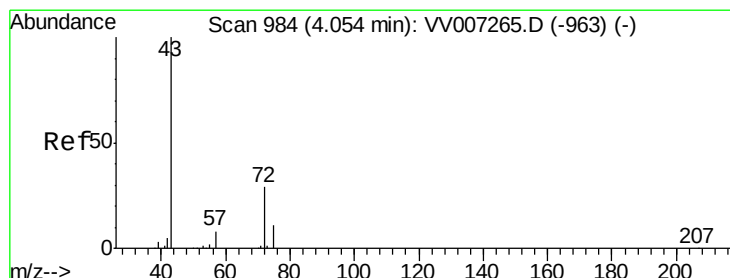
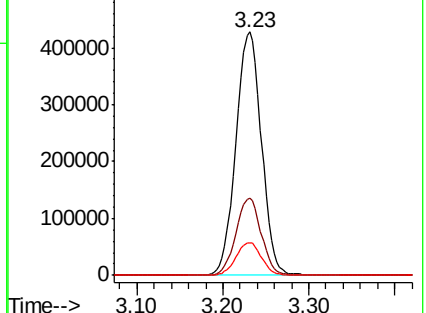
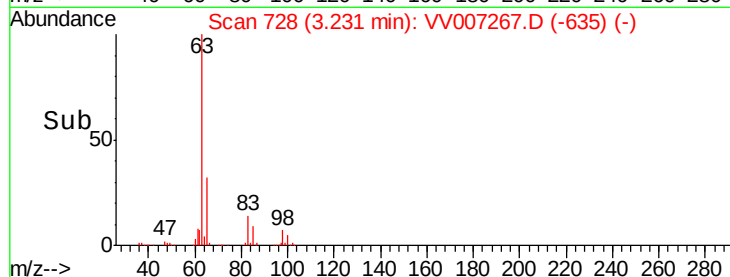
83 13.6 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VV007267.D (-635) (-)

Ion 65.10 (64.80 to 65.80): VV007267.D (-635) (-)

Ion 83.05 (82.75 to 83.75): VV007267.D (-635) (-)



#21

2-Butanone

Concen: 204.206 ug/L

RT: 4.05 min Scan# 984

Delta R.T. -0.00 min

Lab File: VV007267.D

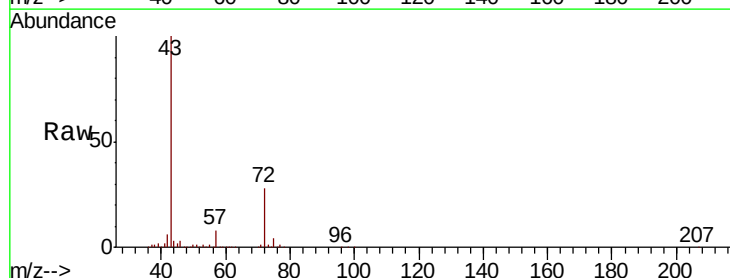
Acq: 30 Aug 2018 16:59

Tgt Ion: 43 Resp: 1199955

Ion Ratio Lower Upper

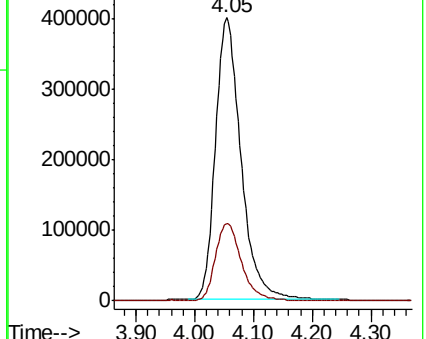
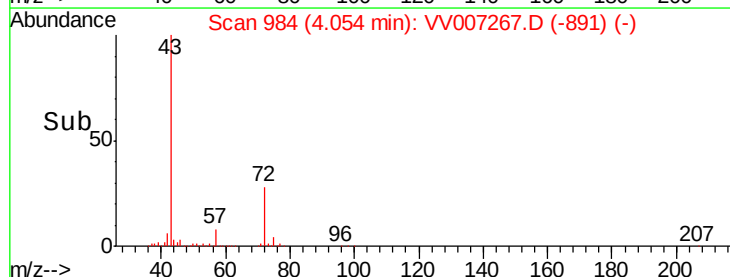
43 100

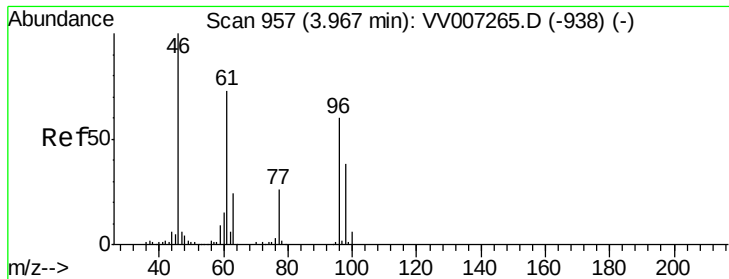
72 27.9 14.1 42.3



Abundance Ion 43.05 (42.75 to 43.75): VV007267.D (-891) (-)

Ion 72.10 (71.80 to 72.80): VV007267.D (-891) (-)



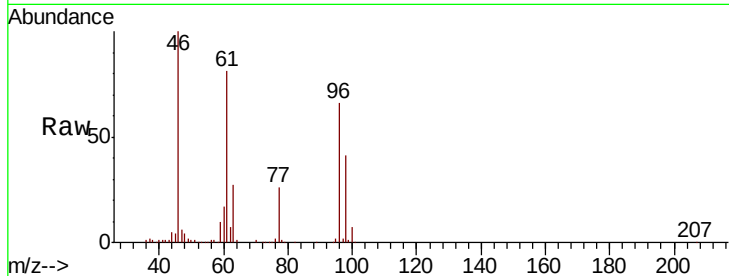


#22

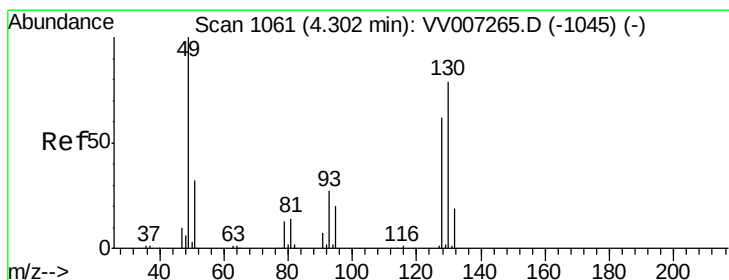
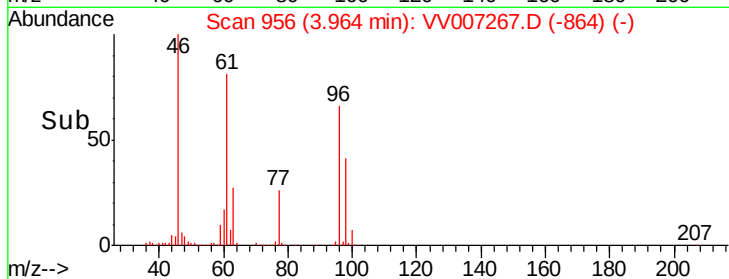
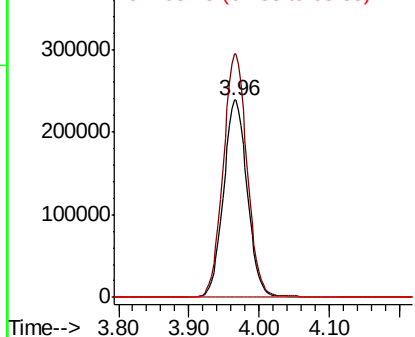
cis-1,2-Dichloroethene
 Concen: 21.975 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VV007267.D
 Acq: 30 Aug 2018 16:59

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.2	85.4	158.6
68	0.0	0.0	0.0



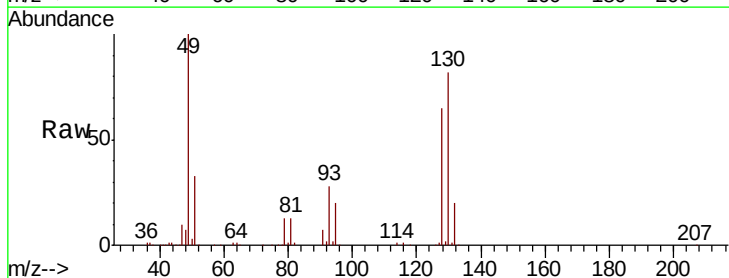
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



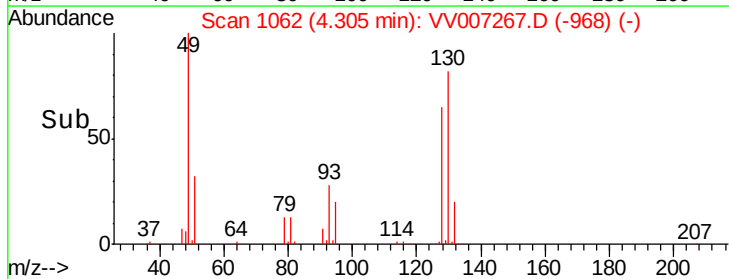
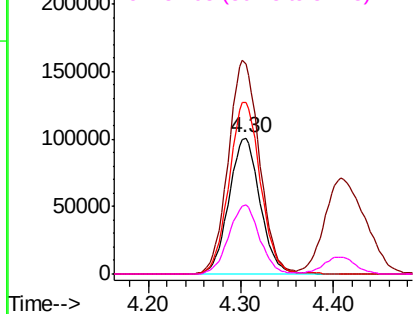
#23

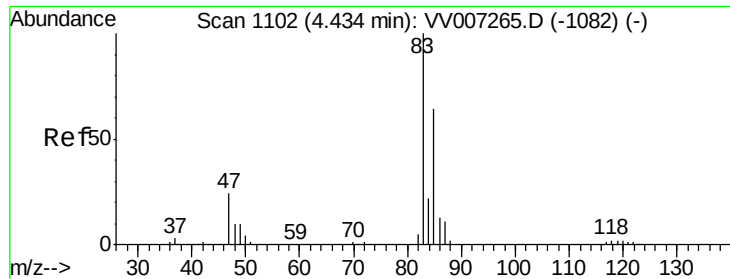
Bromochloromethane
 Concen: 20.429 ug/L
 RT: 4.30 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: VV007267.D
 Acq: 30 Aug 2018 16:59

Tgt Ion	Ratio	Lower	Upper
128	100		
49	154.2	113.1	210.1
130	126.2	88.8	165.0
51	50.5	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

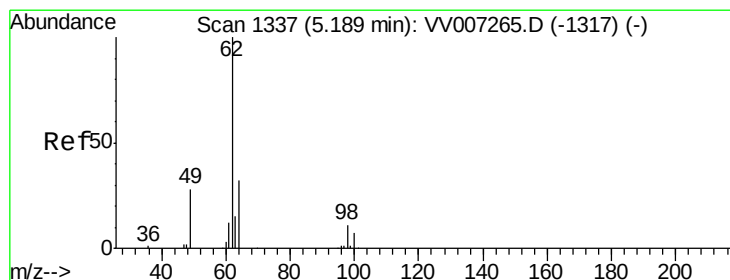
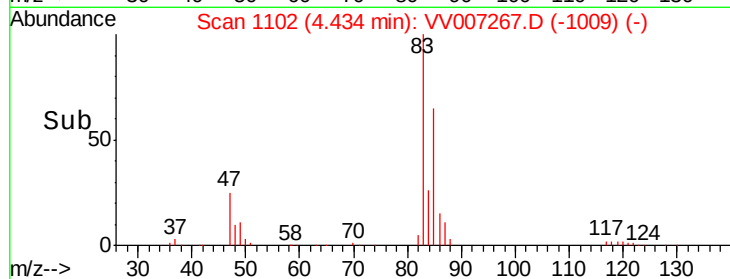
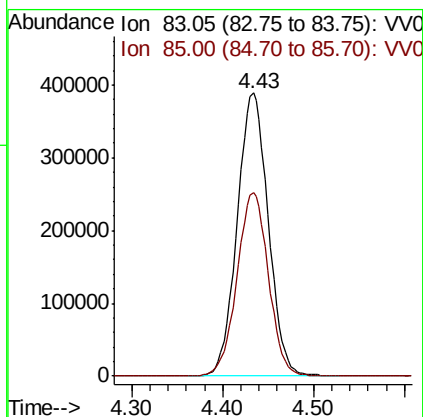
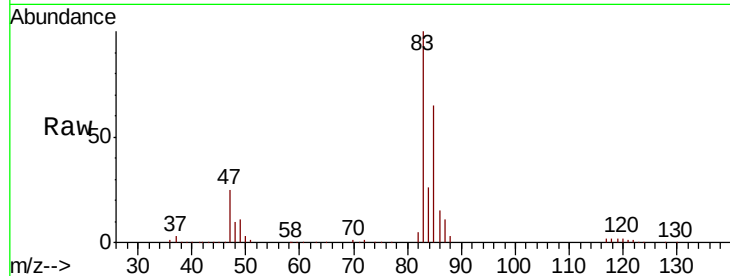




#25
Chloroform
Concen: 20.445 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV007267.D
Acq: 30 Aug 2018 16:59

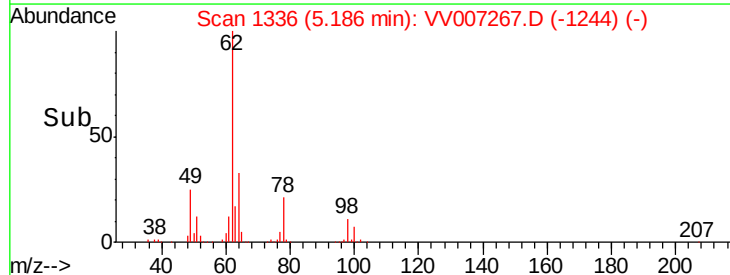
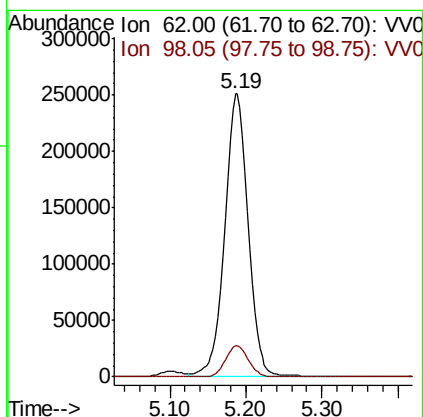
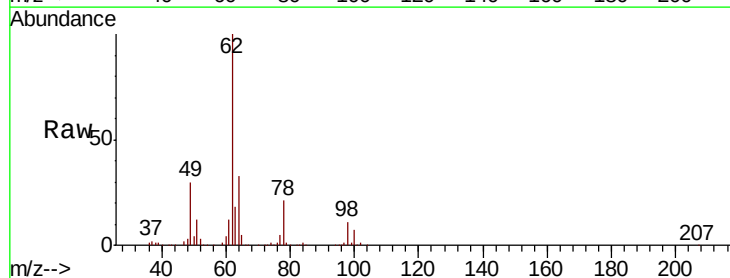
Instrument :
MSVOA_V
ClientSampled :

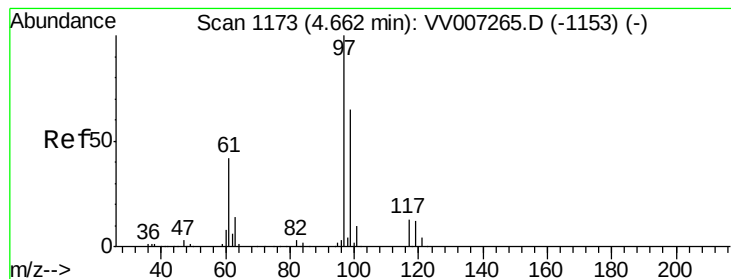
Tot Ion: 83 Resp: 922564
Ion Ratio Lower Upper
83 100
85 65.0 44.9 83.5



#27
1,2-Dichloroethane
Concen: 20.522 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV007267.D
Acq: 30 Aug 2018 16:59

Tgt Ion: 62 Resp: 539566
Ion Ratio Lower Upper
62 100
98 11.2 8.6 12.8





#29

1,1,1-Trichloroethane

Concen: 20.818 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VV007267.D

Acq: 30 Aug 2018 16:59

Instrument :

MSVOA_V

ClientSampleId :

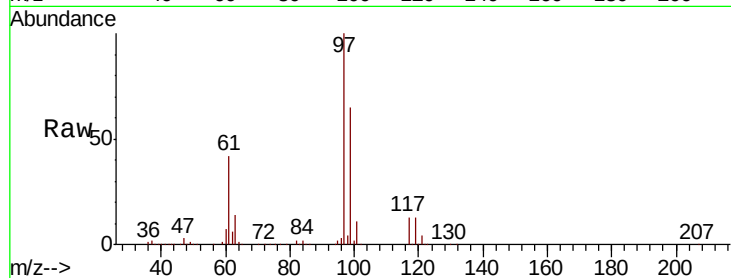
Tot Ion: 97 Resp: 792501

Ion Ratio Lower Upper

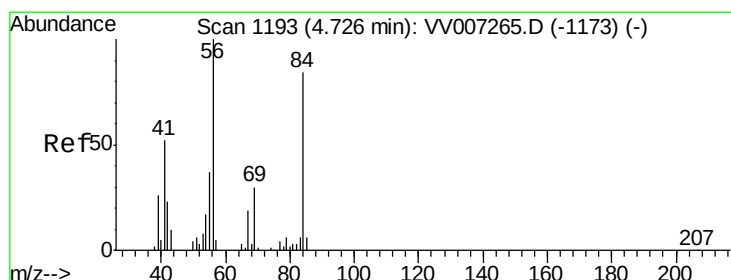
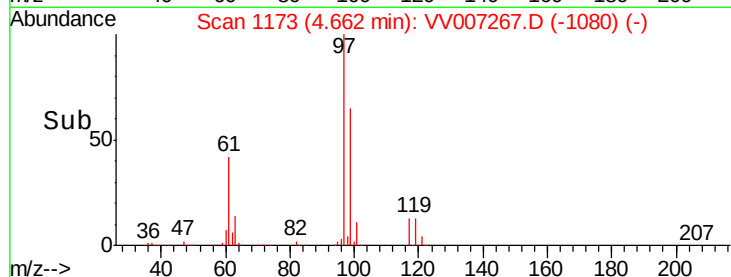
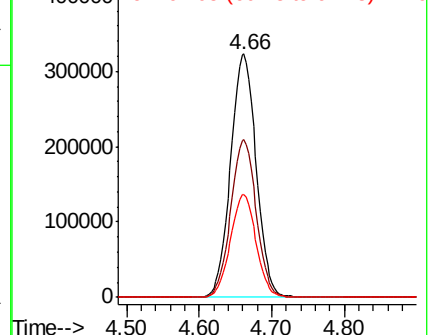
97 100

99 64.5 51.5 77.3

61 42.4 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: 25.873 ug/L

RT: 4.73 min Scan# 1193

Delta R.T. -0.00 min

Lab File: VV007267.D

Acq: 30 Aug 2018 16:59

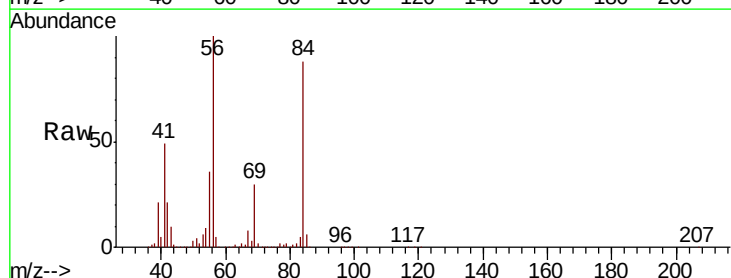
Tgt Ion: 56 Resp: 890386

Ion Ratio Lower Upper

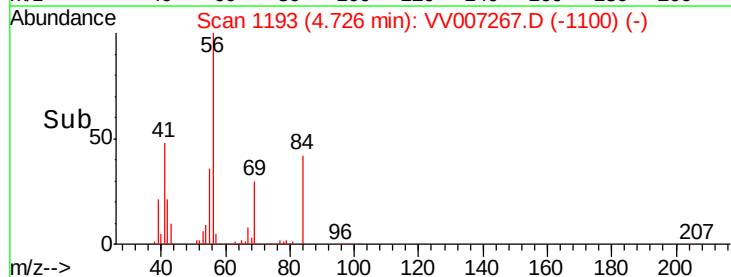
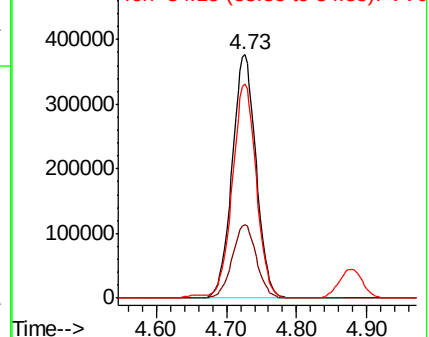
56 100

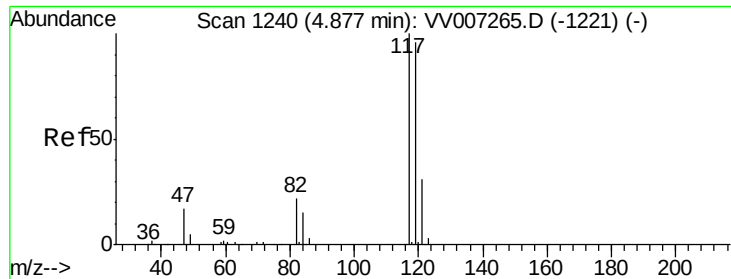
69 30.6 24.7 37.1

84 88.1 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

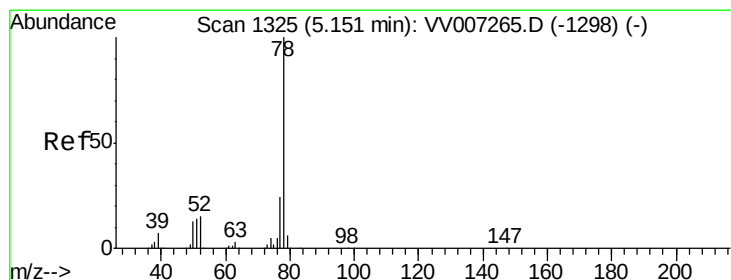
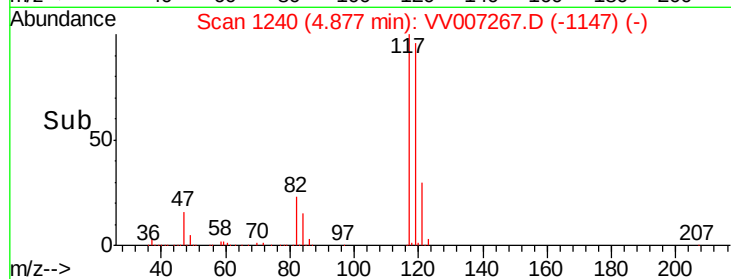
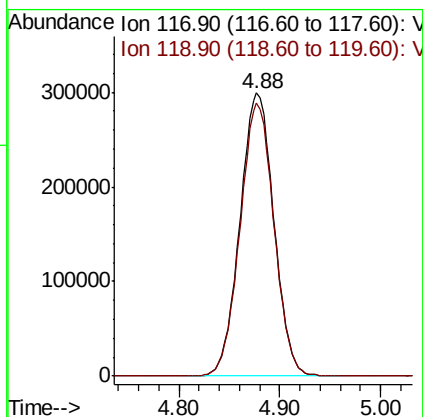
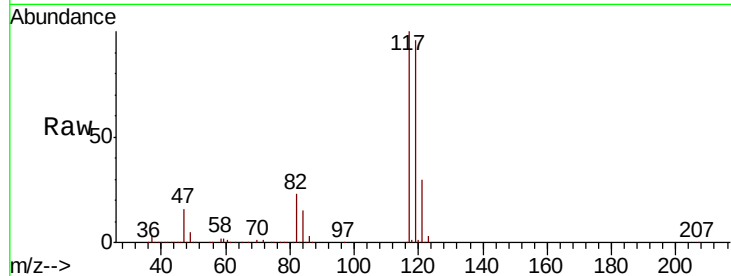




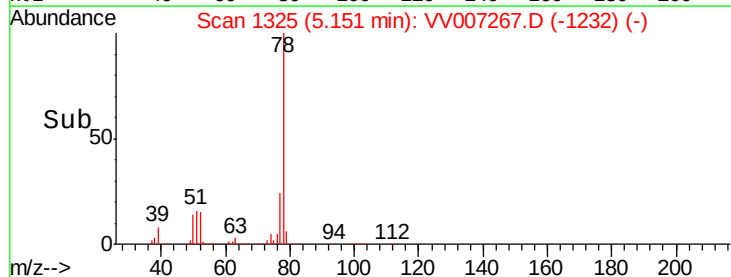
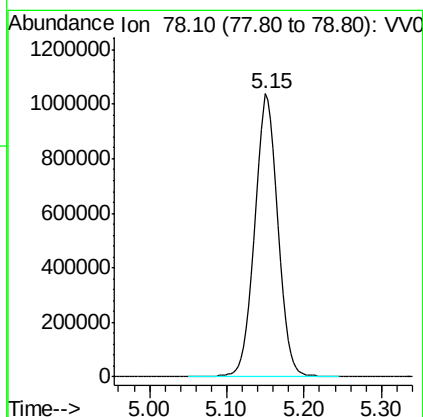
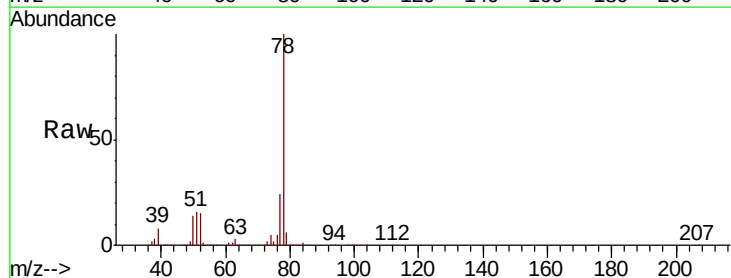
#31
Carbon tetrachloride
Concen: 21.443 ug/L
RT: 4.88 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VV007267.D
Acq: 30 Aug 2018 16:59

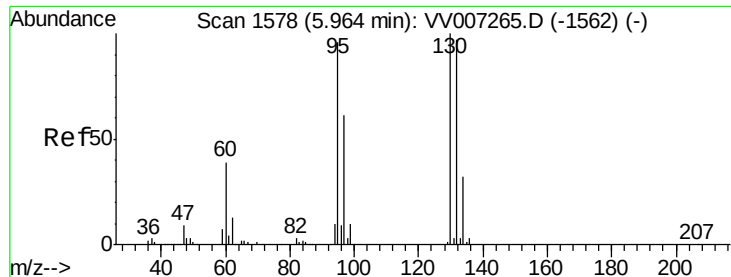
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 696109
Ion Ratio Lower Upper
117 100
119 96.3 77.0 115.6



#33
Benzene
Concen: 22.490 ug/L
RT: 5.15 min Scan# 1325
Delta R.T. -0.00 min
Lab File: VV007267.D
Acq: 30 Aug 2018 16:59
Tgt Ion: 78 Resp: 2197540

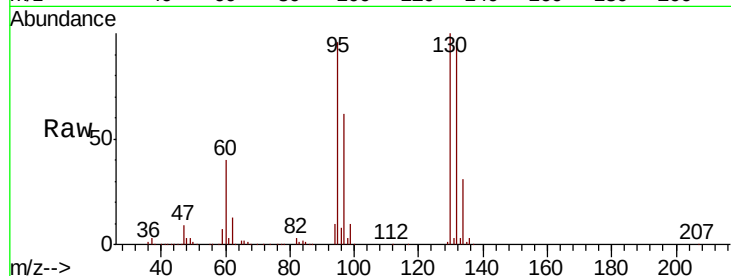




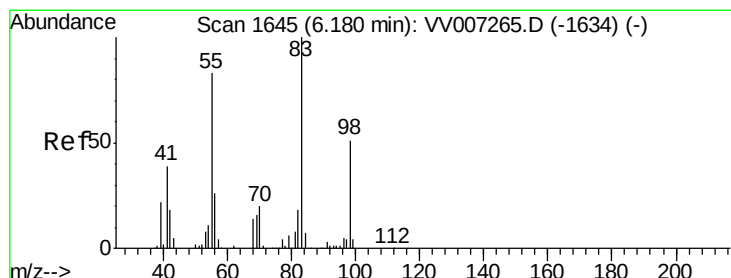
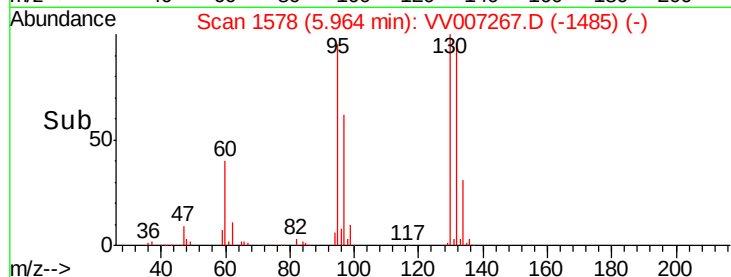
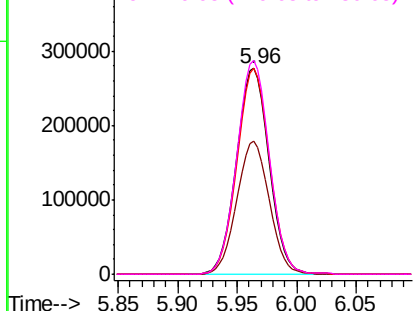
#34
 Trichloroethene
 Concen: 21.471 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VV007267.D
 Acq: 30 Aug 2018 16:59

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	95	Resp:	526513
Ion	Ratio	Lower	Upper
95	100		
97	64.5	44.2	82.2
132	99.9	70.9	131.7
130	103.7	72.7	135.1

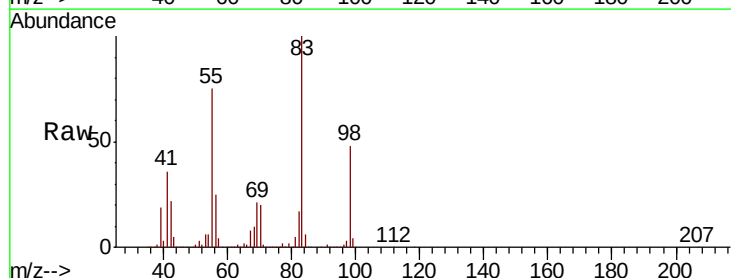


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

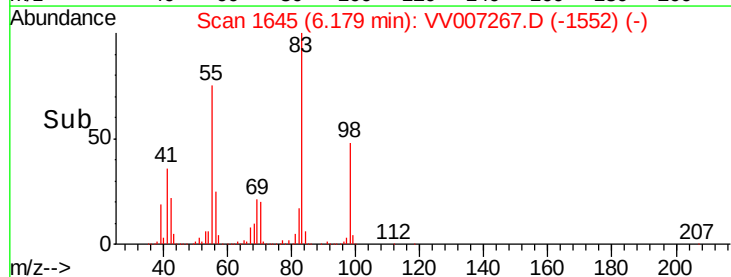
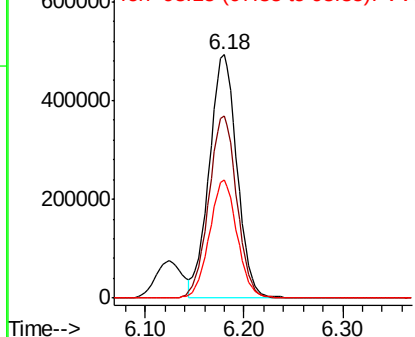


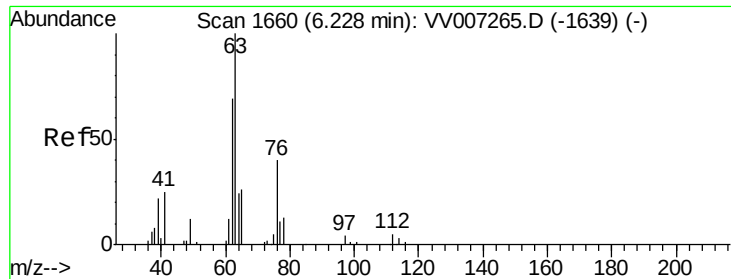
#35
 Methylcyclohexane
 Concen: 26.386 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. -0.00 min
 Lab File: VV007267.D
 Acq: 30 Aug 2018 16:59

Tgt Ion:	83	Resp:	964752
Ion	Ratio	Lower	Upper
83	100		
55	75.8	63.5	95.3
98	48.7	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

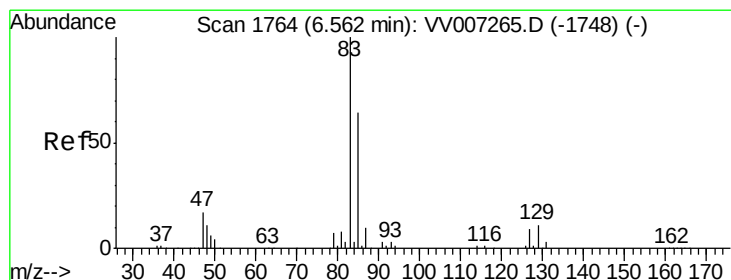
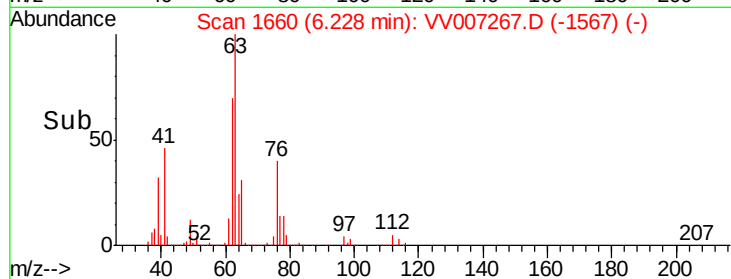
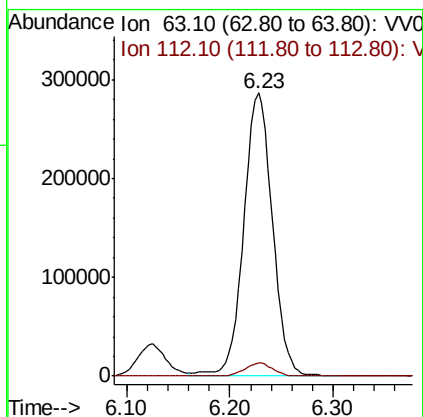
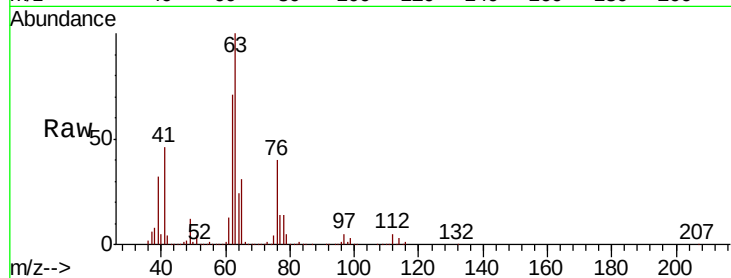




#37
 1,2-Dichloropropane
 Concen: 21.438 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV007267.D
 Acq: 30 Aug 2018 16:59

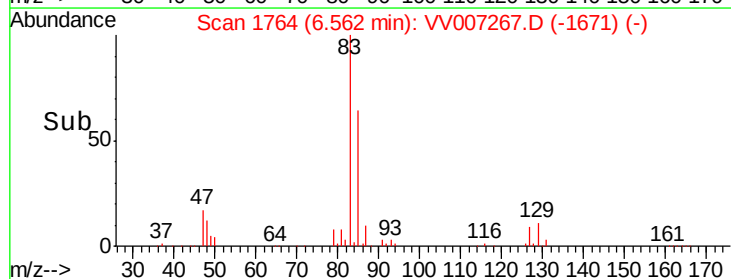
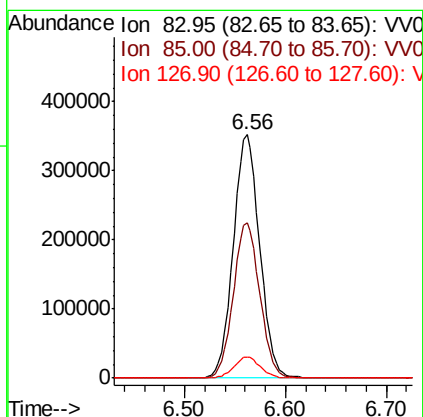
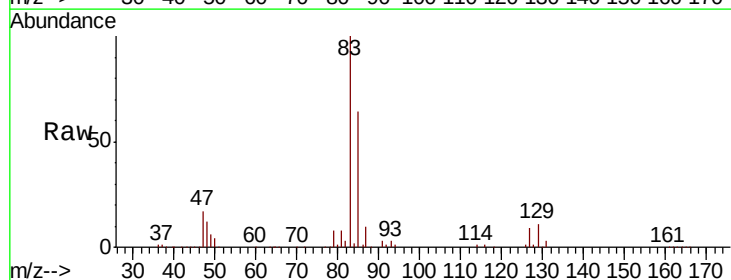
Instrument :
 MSVOA_V
 ClientSampleId :

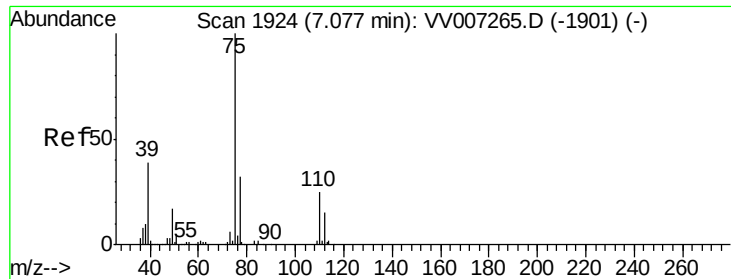
Tot Ion: 63 Resp: 551842
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.9 5.9



#38
 Bromodichloromethane
 Concen: 20.818 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV007267.D
 Acq: 30 Aug 2018 16:59

Tgt Ion: 83 Resp: 640081
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.7 83.1
 127 8.8 6.9 10.3

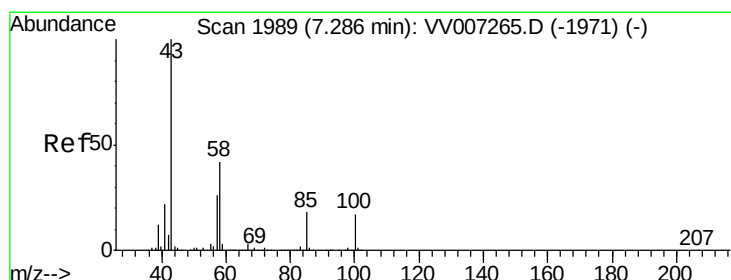
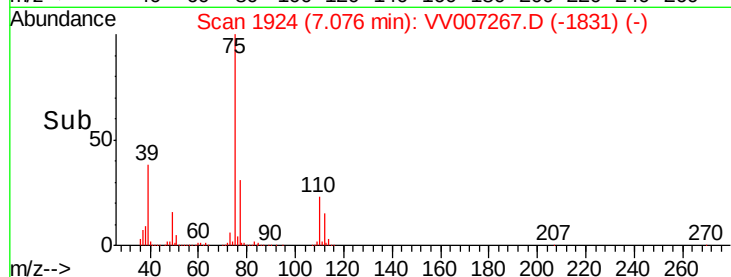
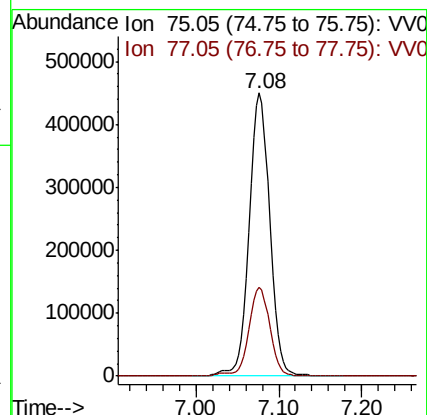
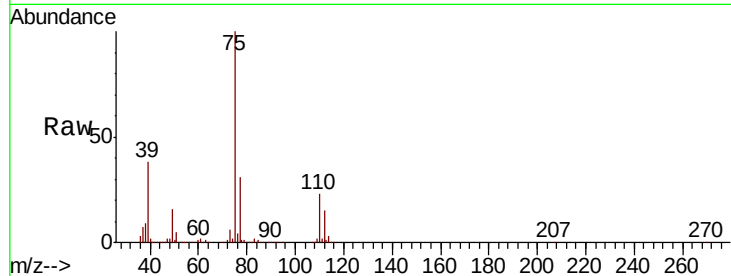




#39
 cis-1,3-Dichloropropene
 Concen: 24.375 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV007267.D
 Acq: 30 Aug 2018 16:59

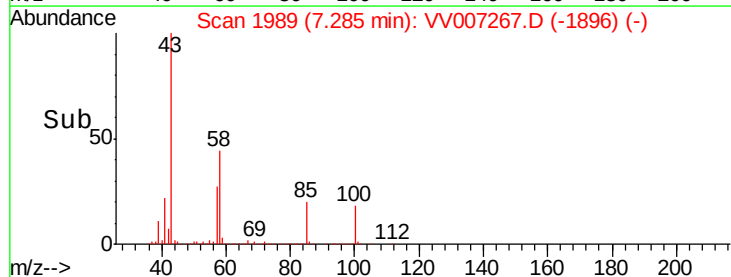
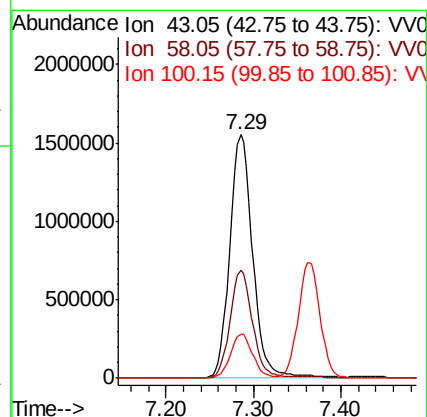
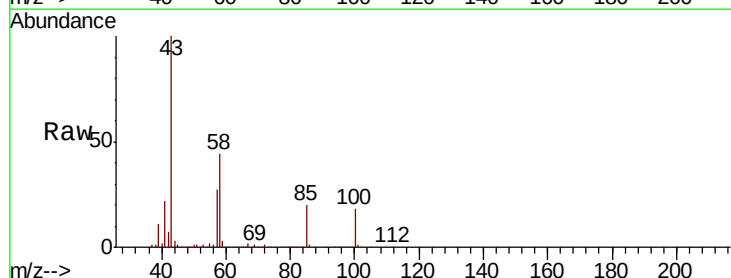
Instrument :
 MSVOA_V
 ClientSampleId :

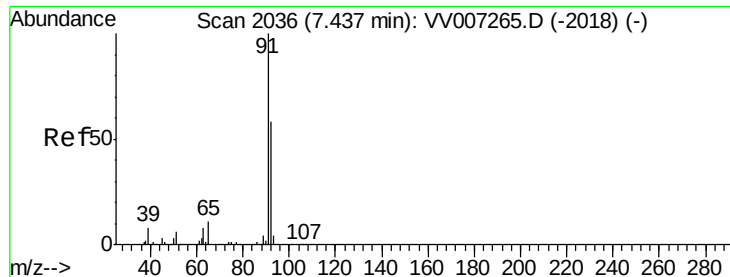
Tot Ion: 75 Resp: 778135
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 216.315 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VV007267.D
 Acq: 30 Aug 2018 16:59

Tgt Ion: 43 Resp: 2830827
 Ion Ratio Lower Upper
 43 100
 58 43.0 32.7 49.1
 100 17.4 13.1 19.7





#42

Toluene

Concen: 23.559 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV007267.D

Acq: 30 Aug 2018 16:59

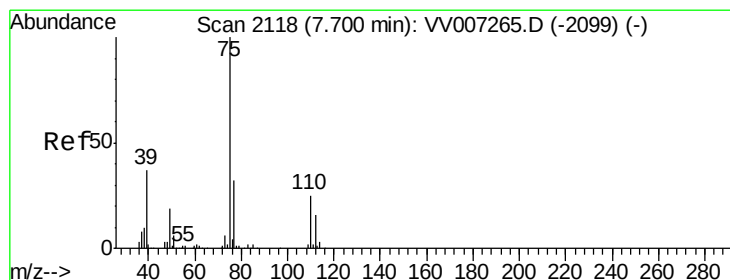
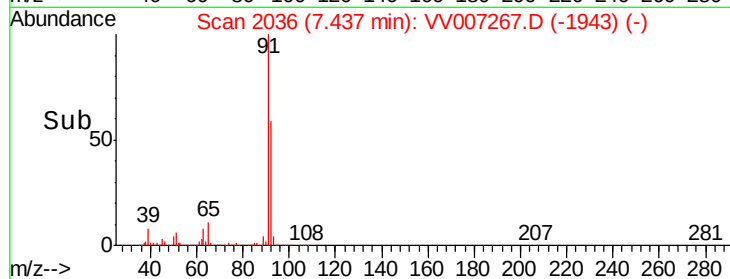
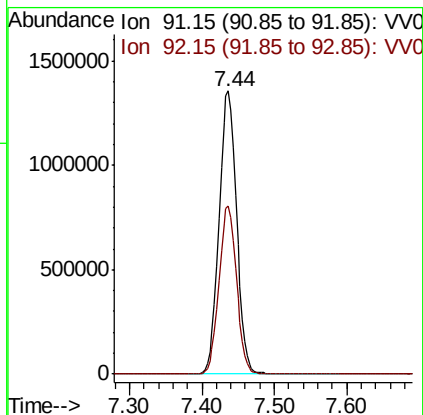
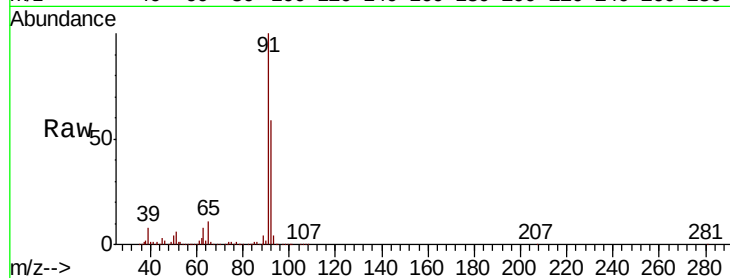
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 2273622

Ion Ratio Lower Upper

91 100

92 59.5 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 23.280 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV007267.D

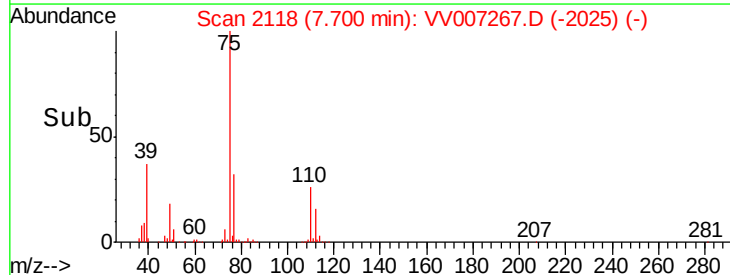
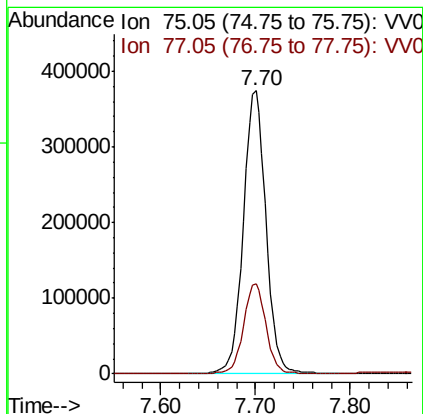
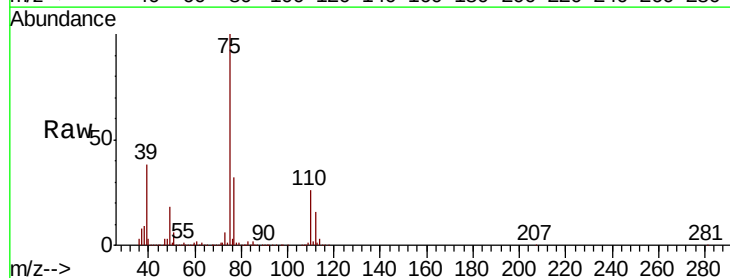
Acq: 30 Aug 2018 16:59

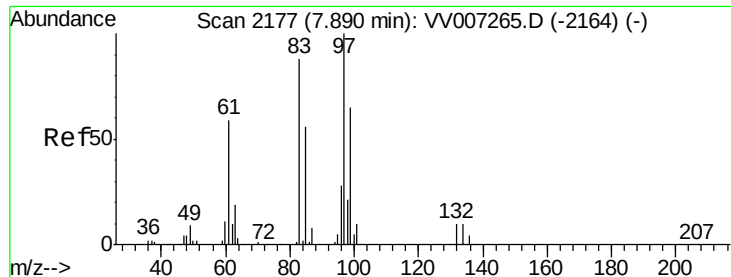
Tgt Ion: 75 Resp: 621815

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.5

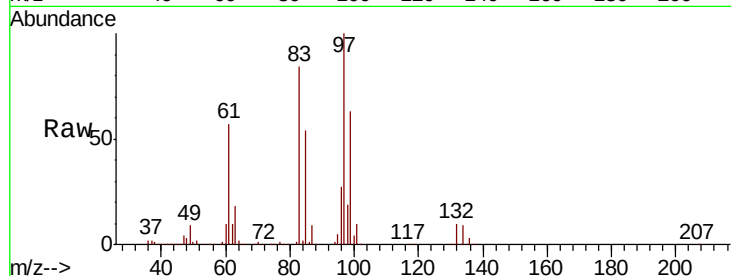




#45
 1,1,2-Trichloroethane
 Concen: 19.706 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV007267.D
 Acq: 30 Aug 2018 16:59

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	357345
Ion	Ratio	Lower	Upper
97	100		
99	63.3	45.6	84.6
83	84.1	61.4	114.0
85	54.4	39.4	73.2



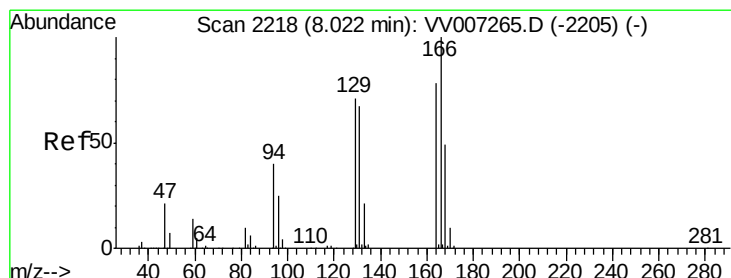
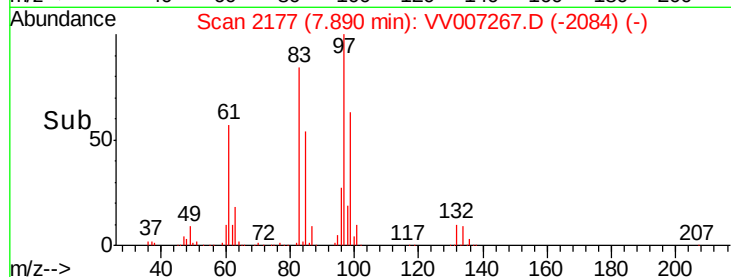
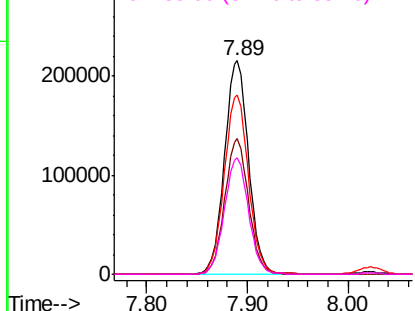
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

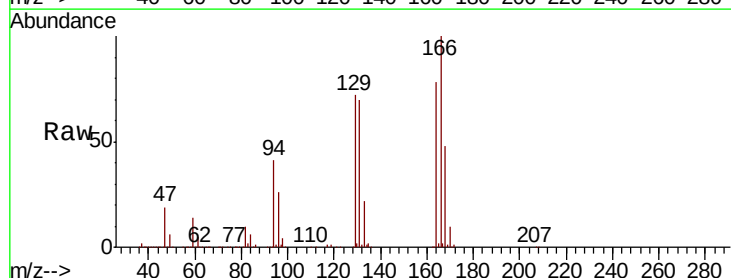
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 22.103 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV007267.D
 Acq: 30 Aug 2018 16:59

Tgt Ion:	164	Resp:	449658
Ion	Ratio	Lower	Upper
164	100		
129	91.4	63.8	118.4
131	88.7	60.3	112.1
166	127.6	89.5	166.1



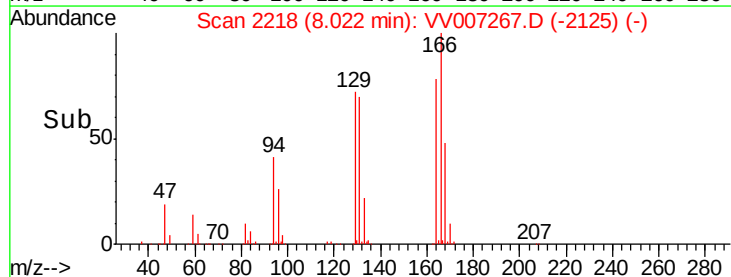
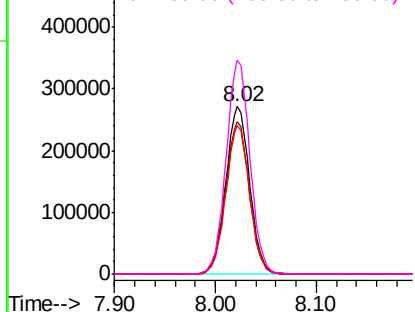
Abundance

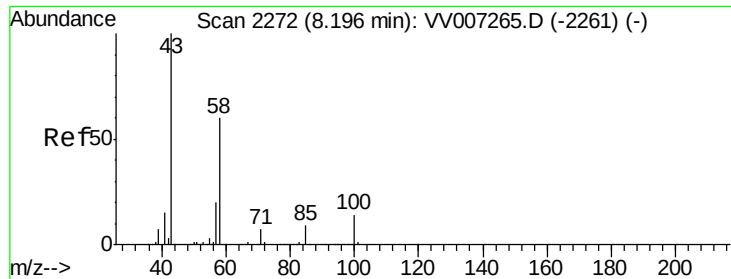
Ion 163.90 (163.60 to 164.60): V

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

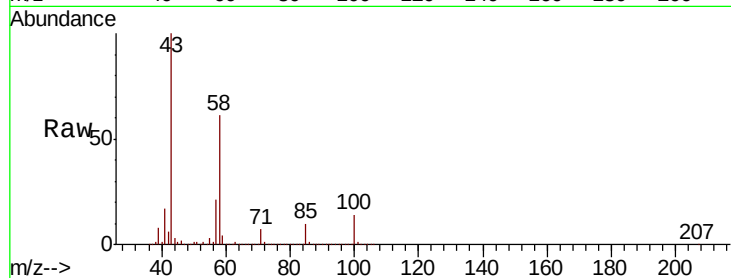




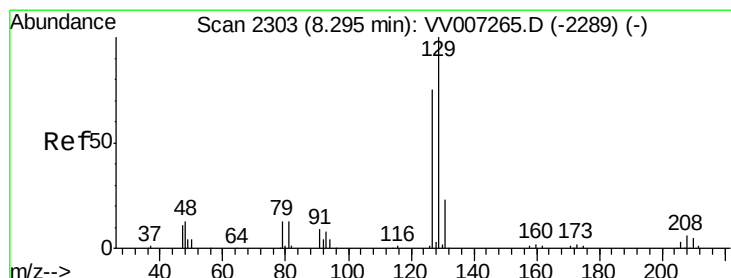
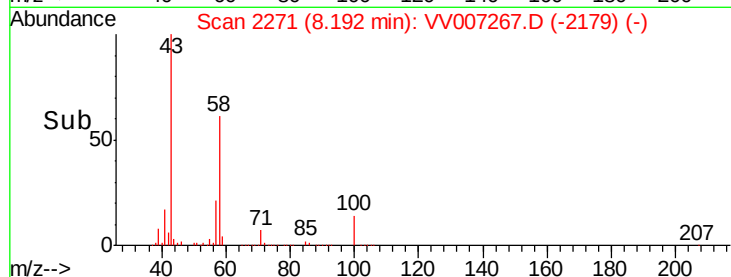
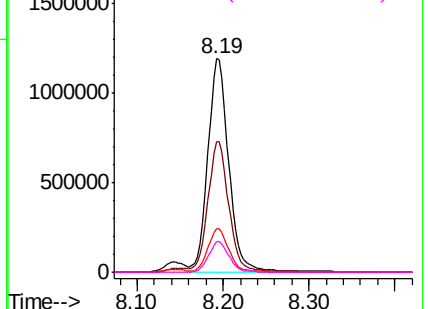
#48
2-Hexanone
Concen: 208.276 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV007267.D
Acq: 30 Aug 2018 16:59

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 2023179
Ion Ratio Lower Upper
43 100
58 61.8 46.6 69.8
57 20.7 15.4 23.0
100 14.1 10.4 15.6

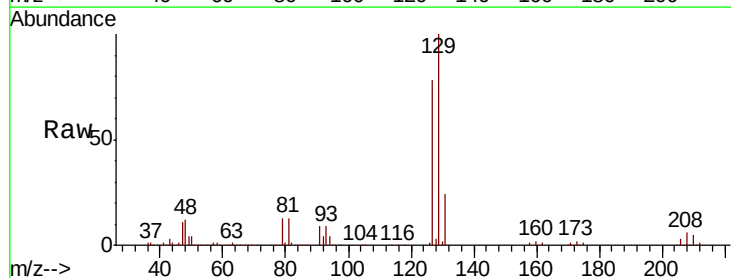


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

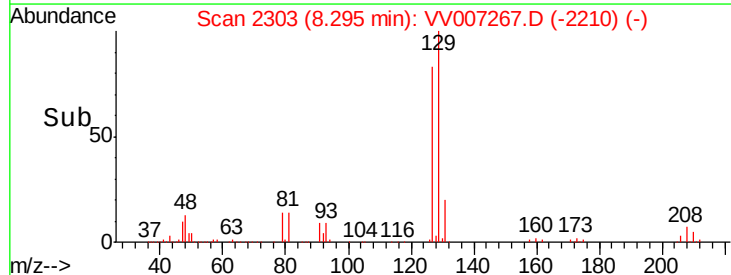
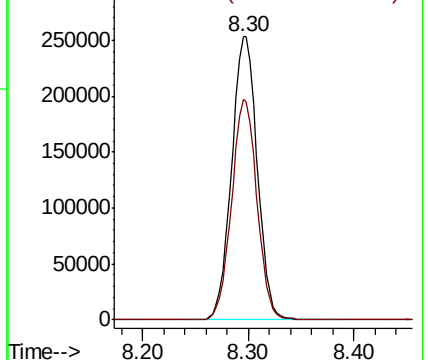


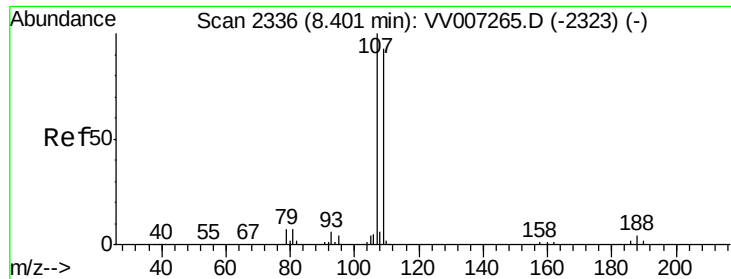
#49
Dibromochloromethane
Concen: 20.582 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV007267.D
Acq: 30 Aug 2018 16:59

Tgt Ion: 129 Resp: 425168
Ion Ratio Lower Upper
129 100
127 77.8 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: 20.787 ug/L

RT: 8.40 min Scan# 2336

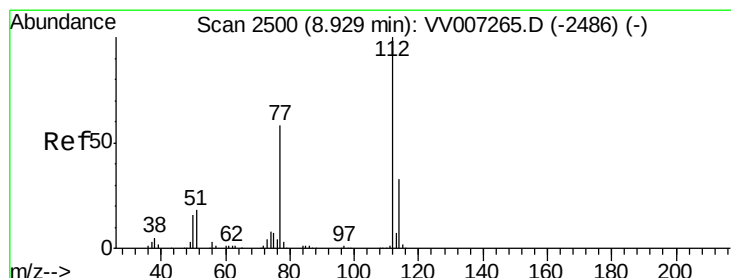
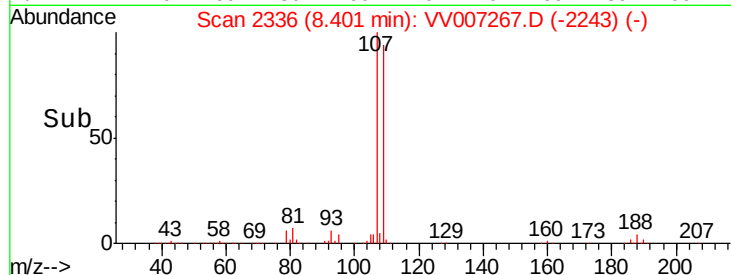
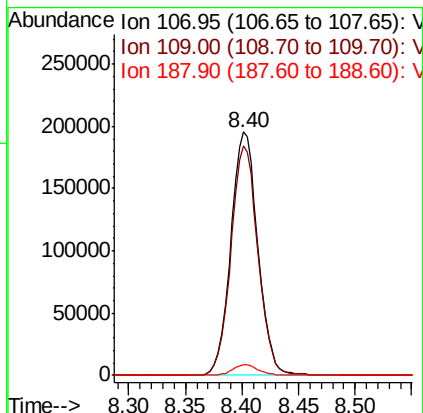
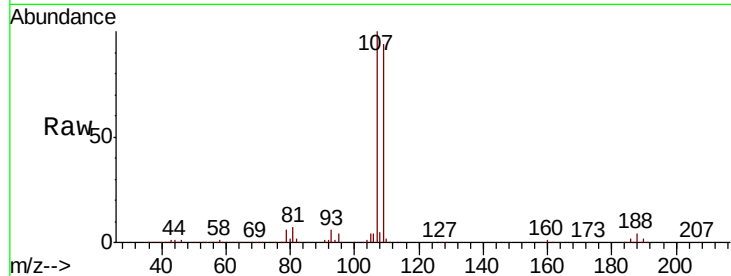
Delta R.T. -0.00 min

Lab File: VV007267.D

Acq: 30 Aug 2018 16:59

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	107	Resp:	325014
Ion	Ratio	Lower	Upper
107	100		
109	94.3	65.5	121.6
188	4.1	3.0	4.6



#51

Chlorobenzene

Concen: 21.997 ug/L

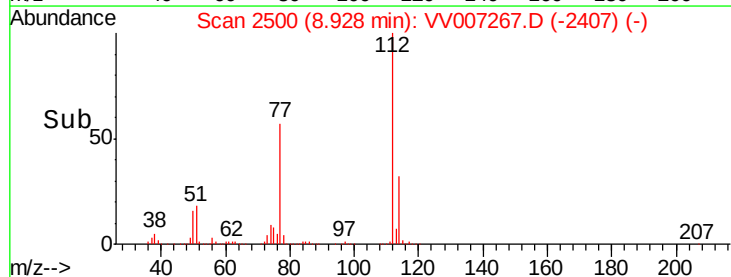
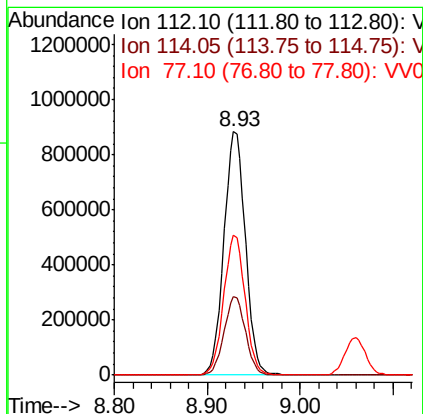
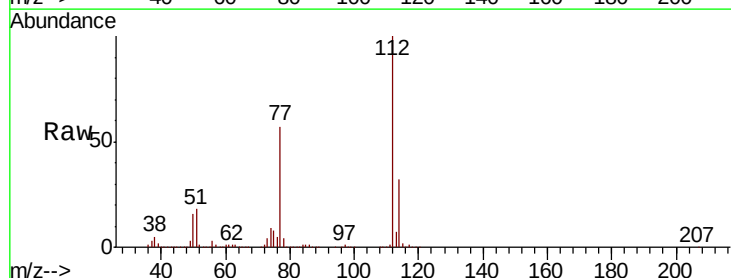
RT: 8.93 min Scan# 2500

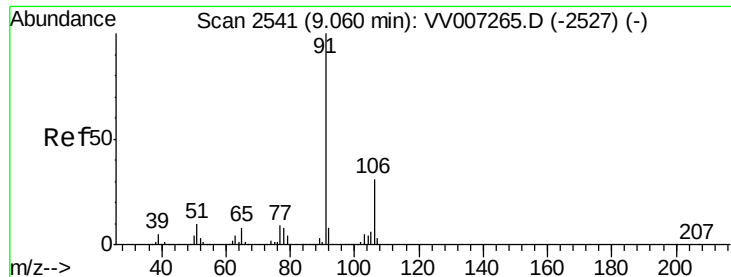
Delta R.T. -0.00 min

Lab File: VV007267.D

Acq: 30 Aug 2018 16:59

Tgt Ion:	112	Resp:	1424774
Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.7	42.3
77	57.4	46.7	70.1





#52

Ethylbenzene

Concen: 25.556 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV007267.D

Acq: 30 Aug 2018 16:59

Instrument :

MSVOA_V

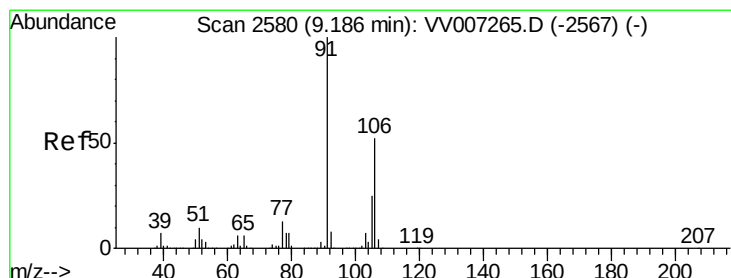
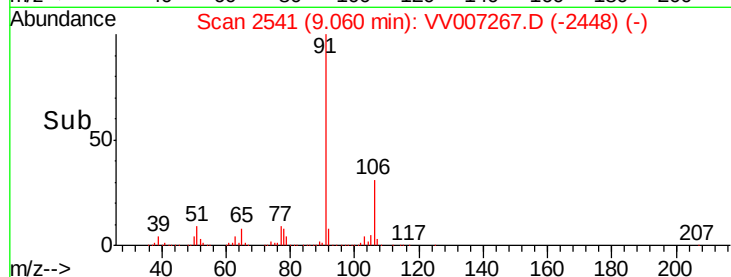
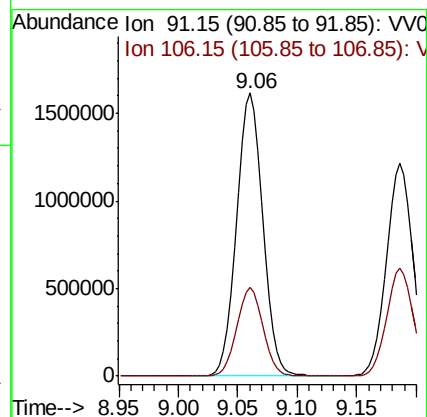
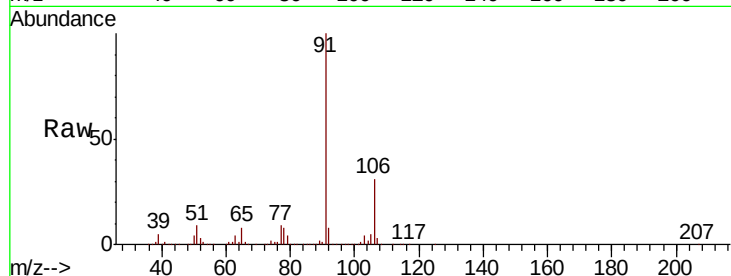
ClientSampled :

Tot Ion: 91 Resp: 2479048

Ion Ratio Lower Upper

91 100

106 31.3 21.6 40.2



#53

m,p-xylene

Concen: 25.742 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV007267.D

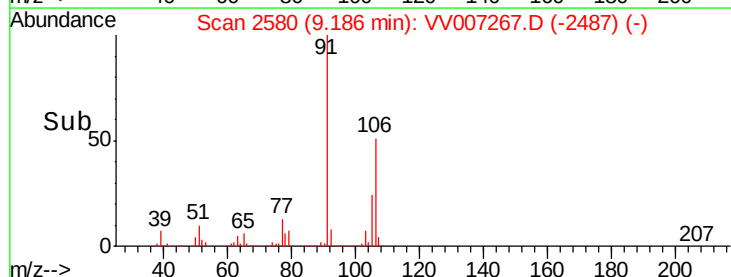
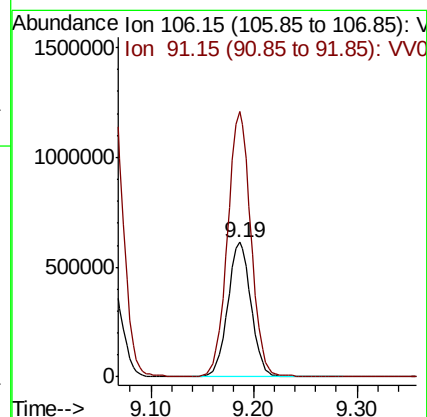
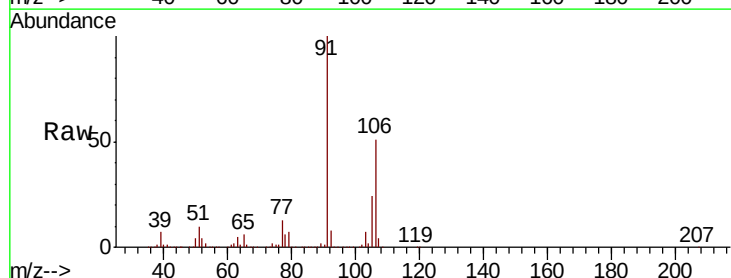
Acq: 30 Aug 2018 16:59

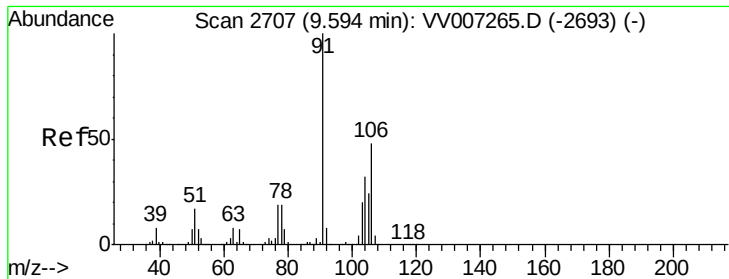
Tgt Ion: 106 Resp: 960694

Ion Ratio Lower Upper

106 100

91 197.3 135.9 252.3





#54

o-xylene

Concen: 26.358 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007267.D

Acq: 30 Aug 2018 16:59

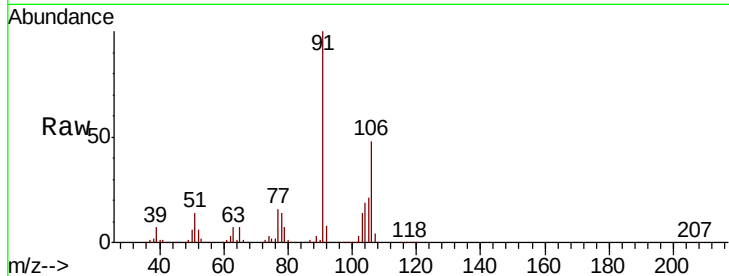
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 911527

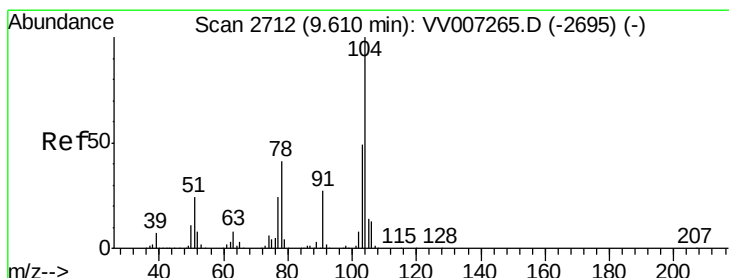
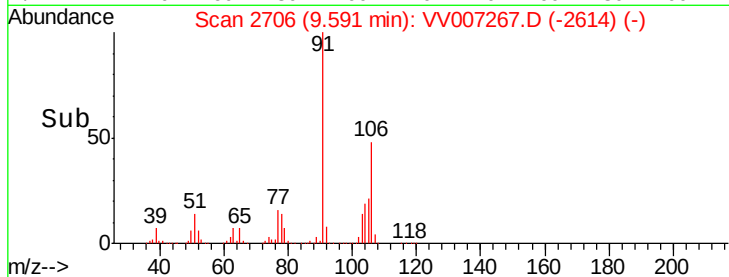
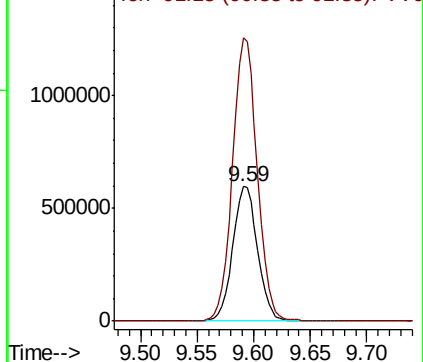
Ion Ratio Lower Upper

106 100

91 210.3 146.2 271.4



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



#55

Styrene

Concen: 26.383 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV007267.D

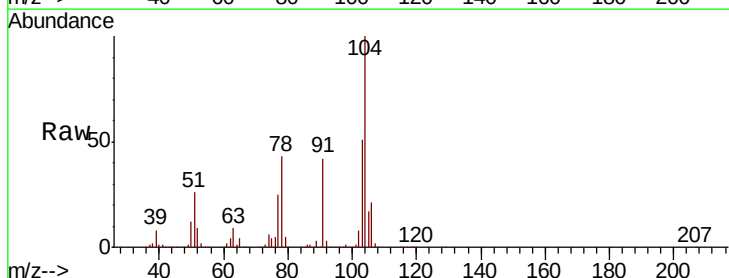
Acq: 30 Aug 2018 16:59

Tgt Ion:104 Resp: 1605700

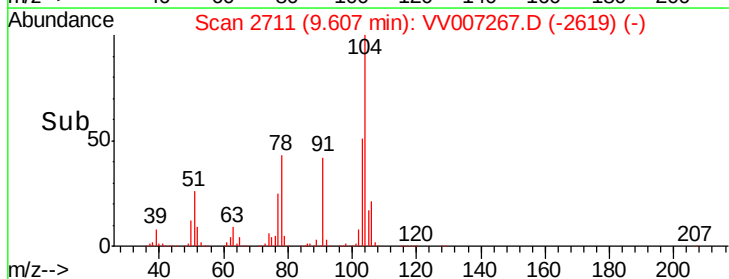
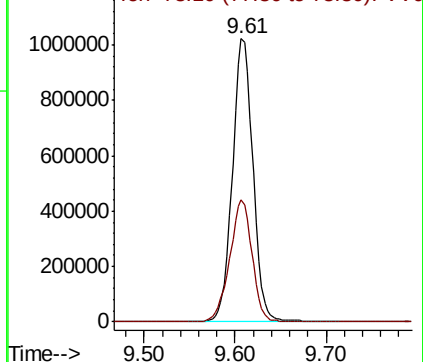
Ion Ratio Lower Upper

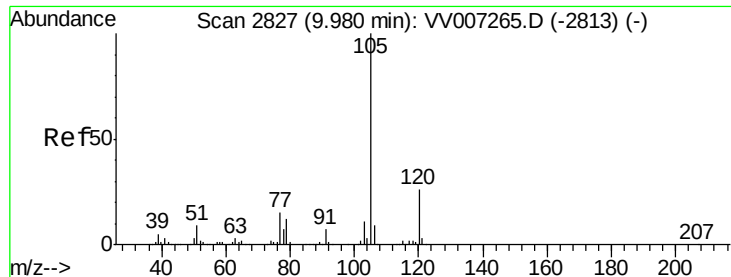
104 100

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: 26.307 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV007267.D

Acq: 30 Aug 2018 16:59

Instrument :

MSVOA_V

ClientSampleId :

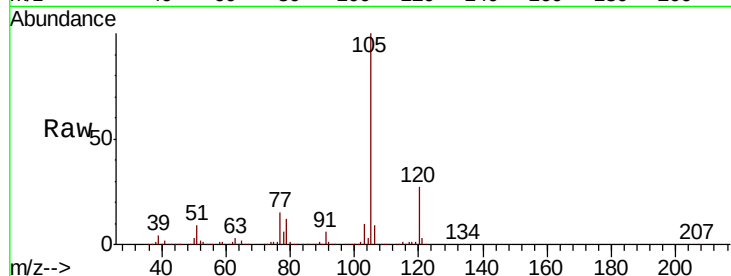
Tot Ion:105 Resp: 2397418

Ion Ratio Lower Upper

105 100

120 26.9 21.2 31.8

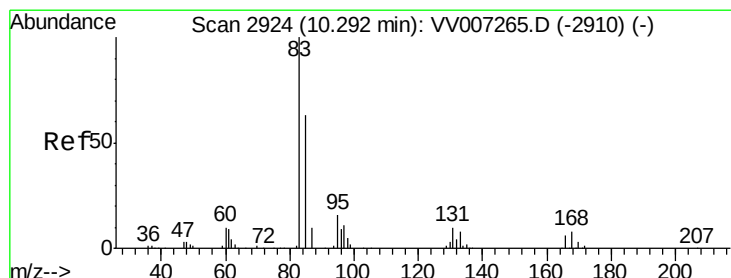
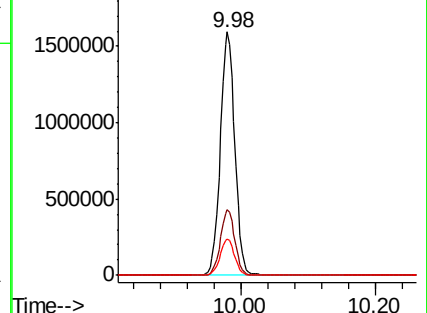
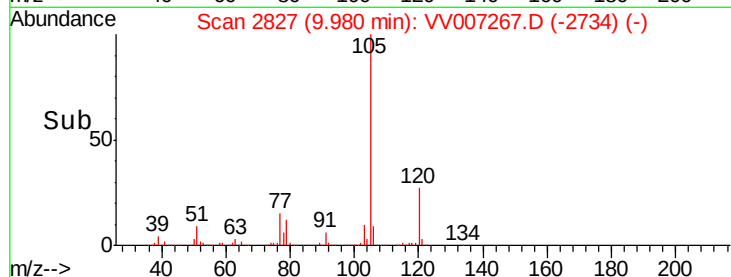
77 14.9 12.2 18.2



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: 20.152 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV007267.D

Acq: 30 Aug 2018 16:59

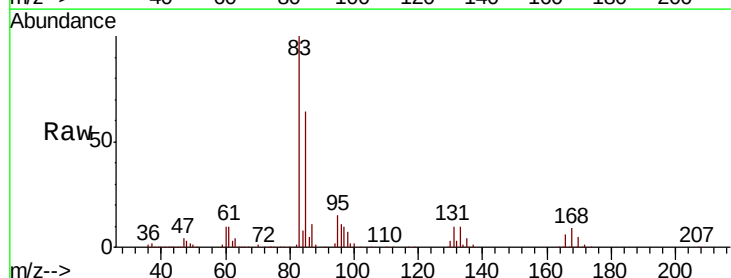
Tgt Ion: 83 Resp: 429185

Ion Ratio Lower Upper

83 100

85 63.8 44.1 81.9

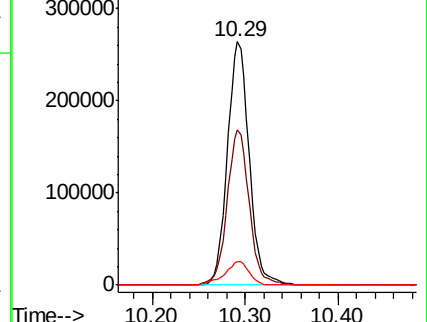
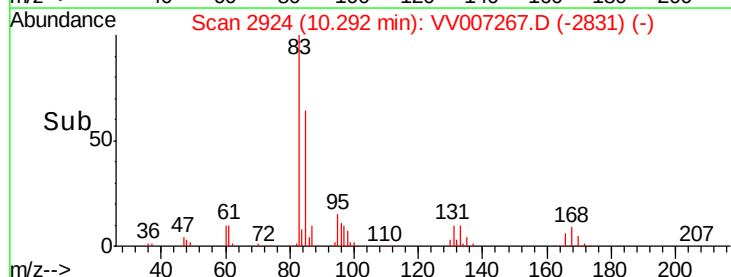
131 9.8 7.8 11.8

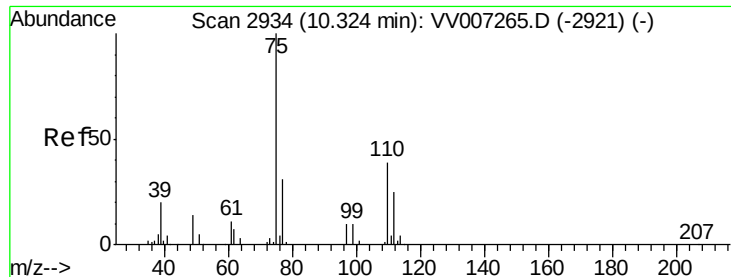


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

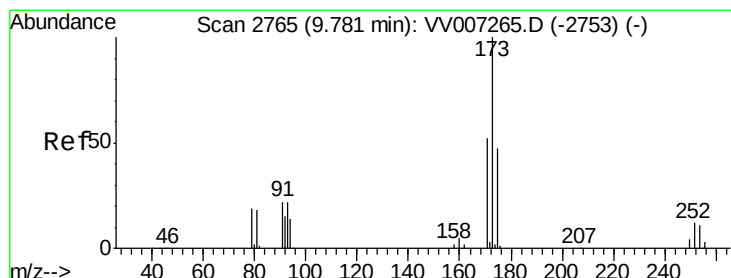
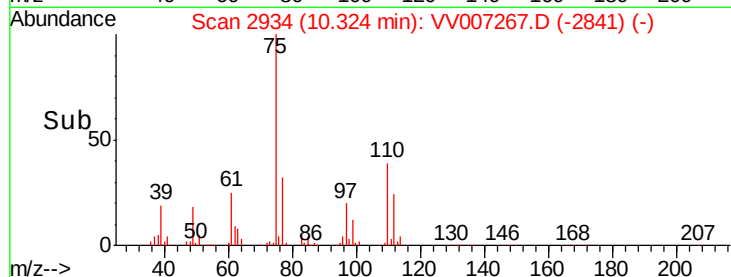
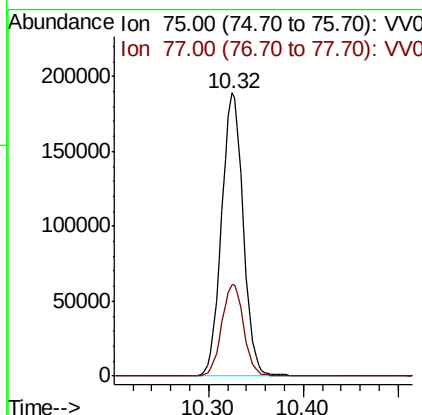
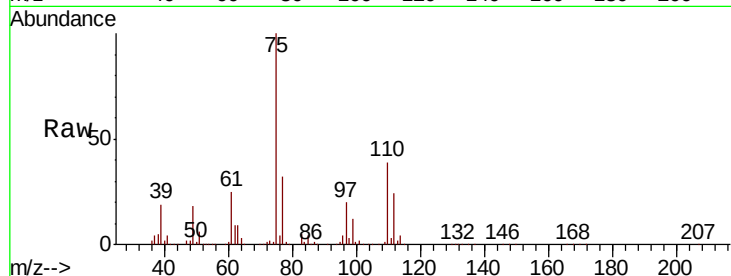




#59
 1,2,3-Trichloropropane
 Concen: 19.685 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. -0.00 min
 Lab File: VV007267.D
 Acq: 30 Aug 2018 16:59

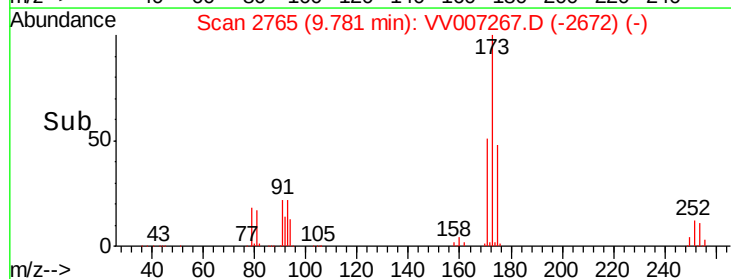
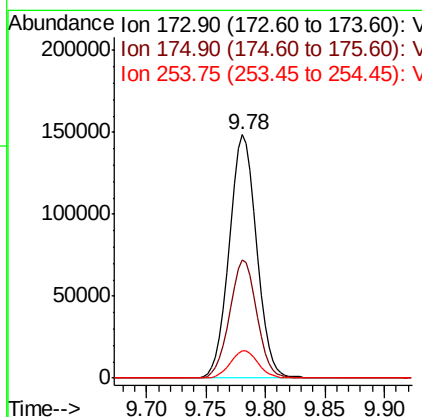
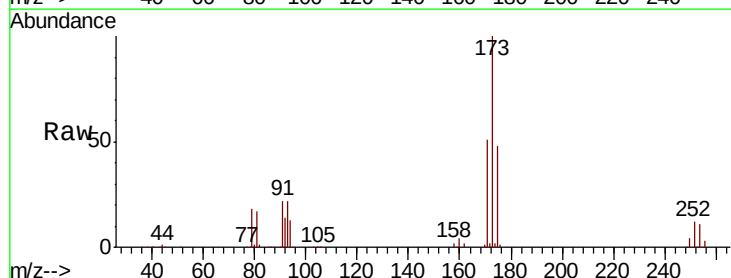
Instrument :
 MSVOA_V
 ClientSampled :

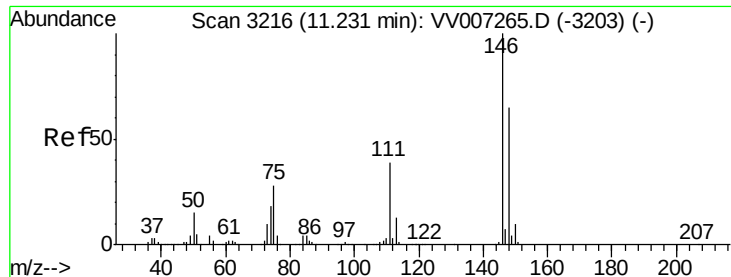
Tot Ion: 75 Resp: 300670
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.3 39.5



#61
 Bromoform
 Concen: 19.121 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. -0.00 min
 Lab File: VV007267.D
 Acq: 30 Aug 2018 16:59

Tgt Ion: 173 Resp: 237540
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.8 58.2
 254 11.5 9.0 13.6





#62

1,3-Dichlorobenzene

Concen: 21.445 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV007267.D

Acq: 30 Aug 2018 16:59

Instrument :

MSVOA_V

ClientSampleId :

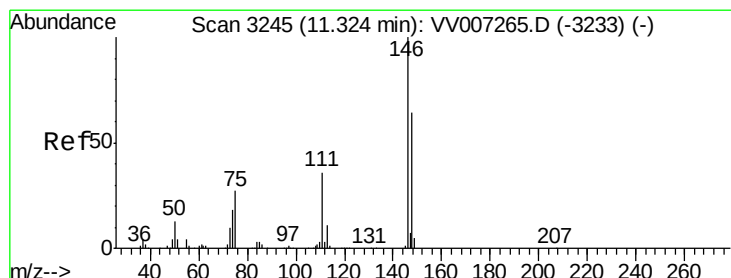
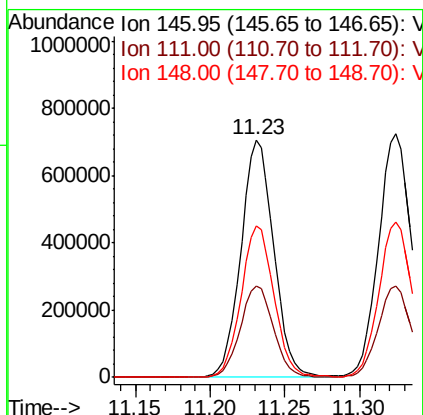
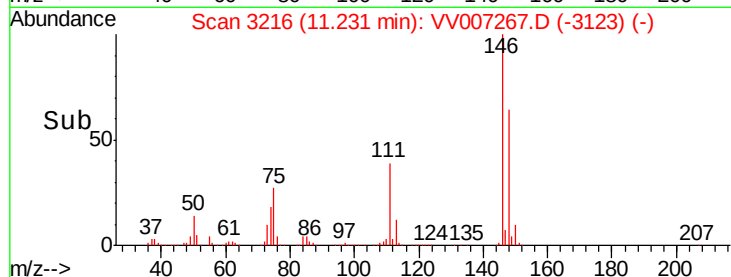
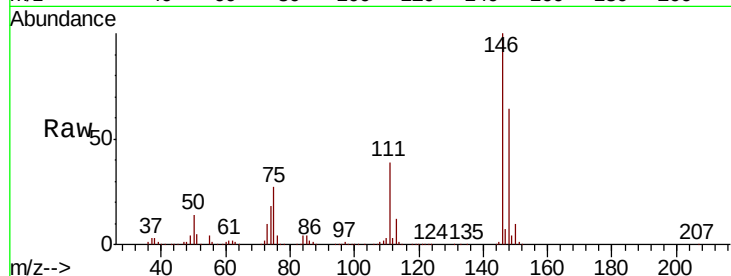
Tot Ion:146 Resp: 1079120

Ion Ratio Lower Upper

146 100

111 38.6 27.6 51.2

148 63.9 45.3 84.1



#63

1,4-Dichlorobenzene

Concen: 21.115 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV007267.D

Acq: 30 Aug 2018 16:59

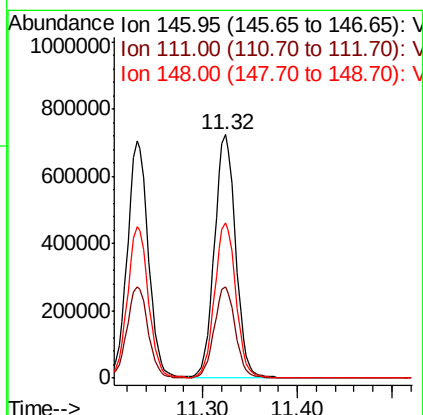
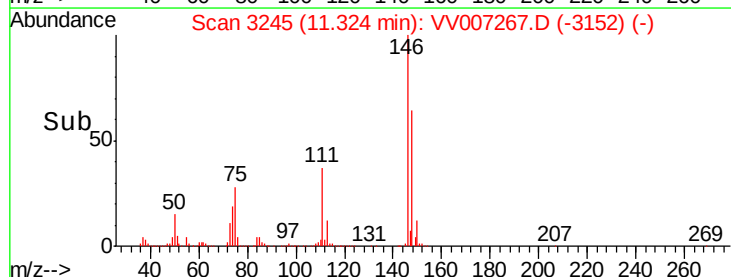
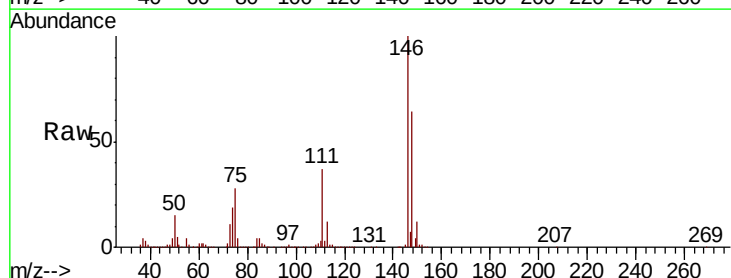
Tgt Ion:146 Resp: 1127993

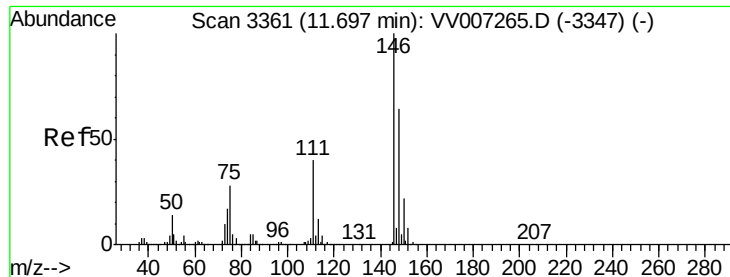
Ion Ratio Lower Upper

146 100

111 37.3 25.6 47.6

148 63.6 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 20.539 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV007267.D

Acq: 30 Aug 2018 16:59

Instrument :

MSVOA_V

ClientSampleId :

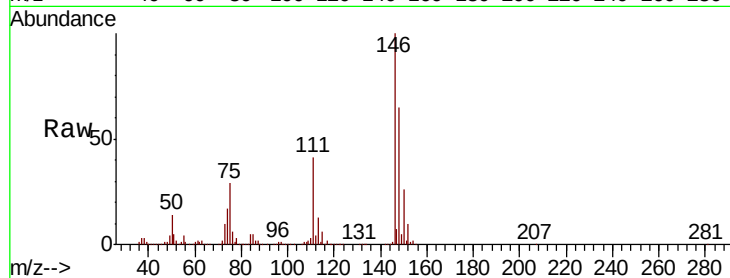
Tot Ion:146 Resp: 1038062

Ion Ratio Lower Upper

146 100

111 40.7 32.1 48.1

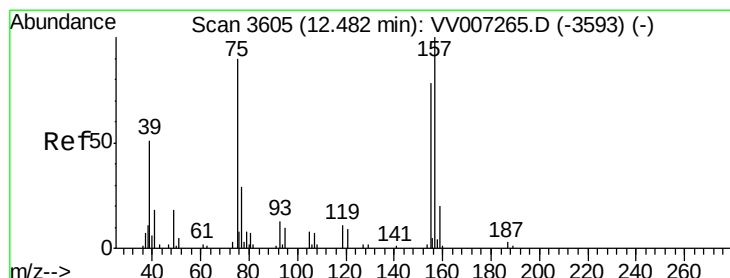
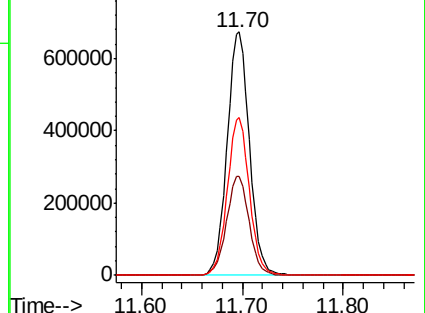
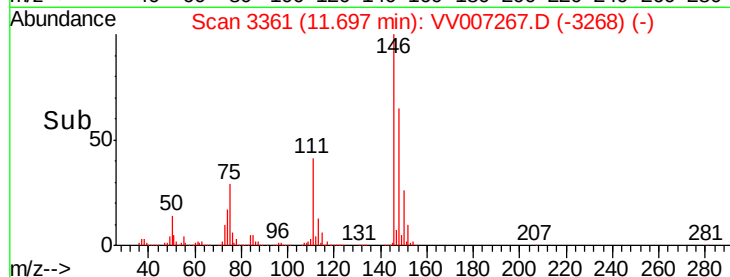
148 64.6 50.8 76.2



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: 20.320 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV007267.D

Acq: 30 Aug 2018 16:59

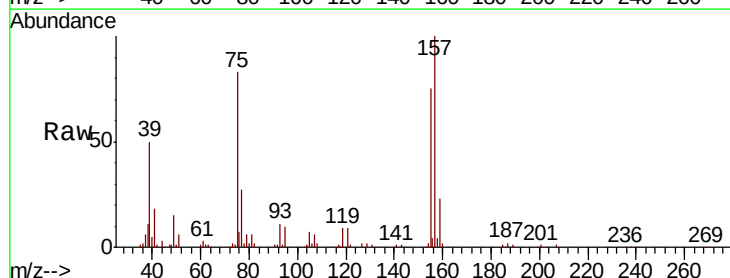
Tgt Ion: 75 Resp: 61486

Ion Ratio Lower Upper

75 100

155 89.9 69.5 104.3

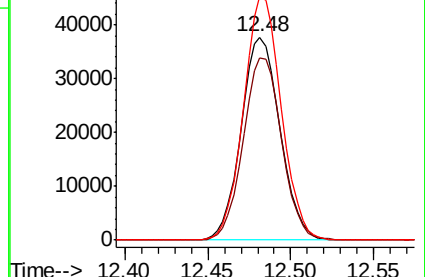
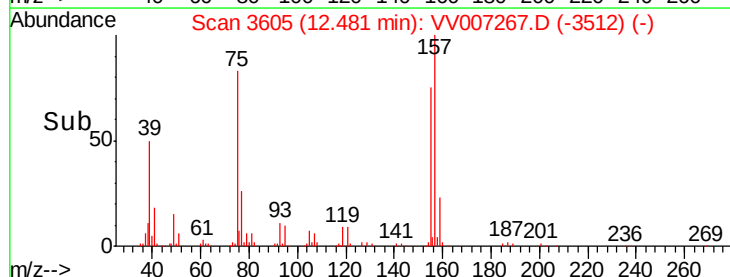
157 119.9 89.1 133.7

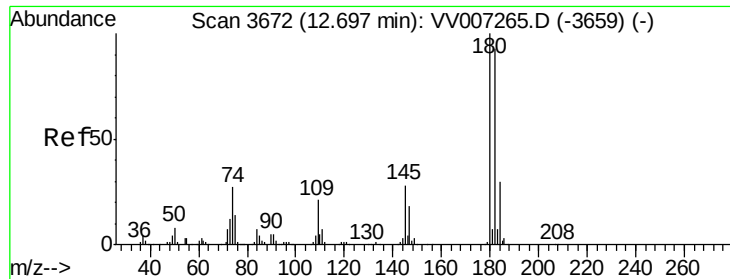


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

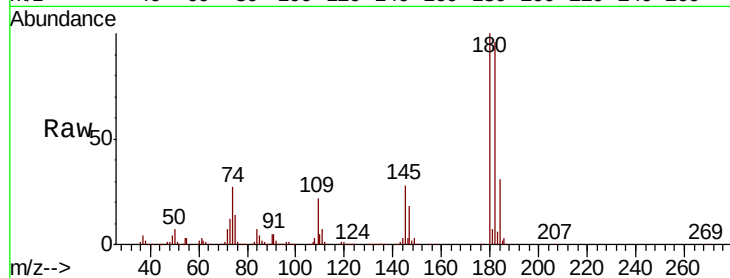




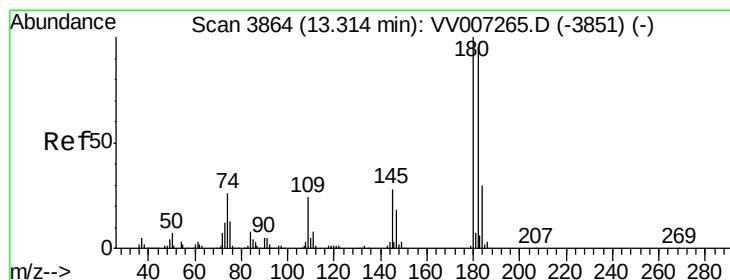
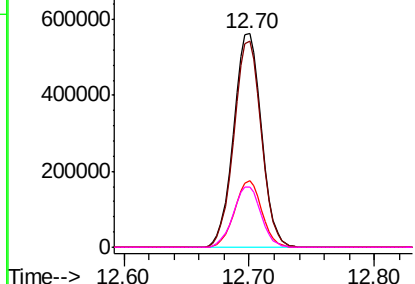
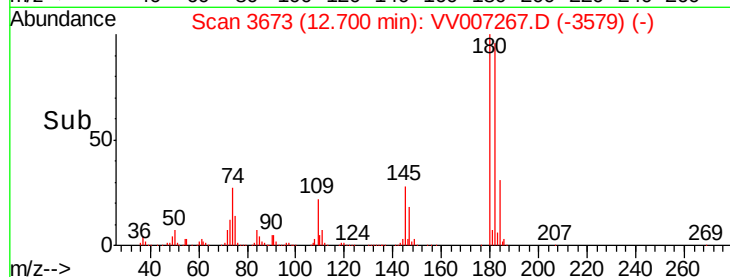
#67
 1,3,5-Trichlorobenzene
 Concen: 22.946 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007267.D
 Acq: 30 Aug 2018 16:59

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	864212
Ion	Ratio	Lower Upper
180	100	
182	95.3	75.2 112.8
184	30.5	23.8 35.6
145	28.3	22.2 33.4

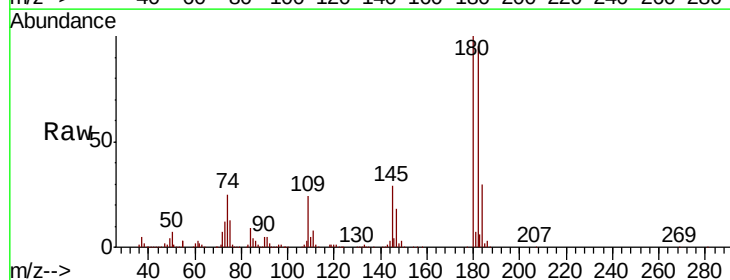


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

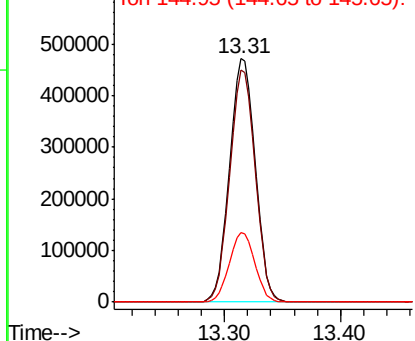
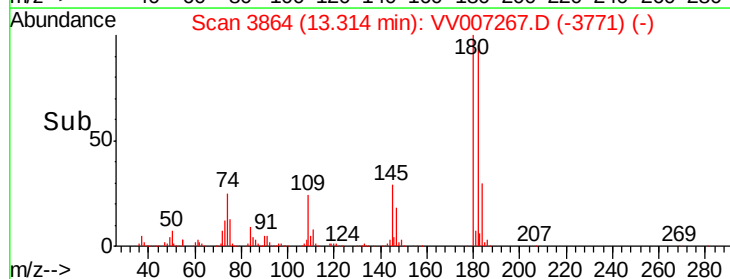


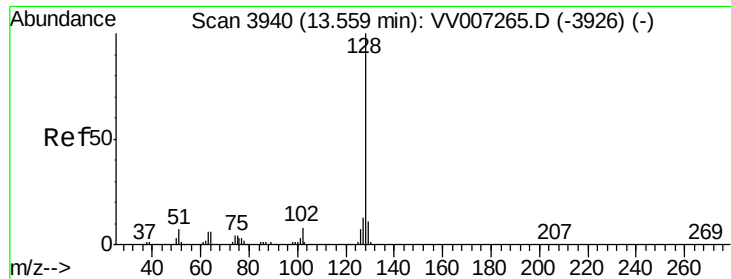
#68
 1,2,4-trichlorobenzene
 Concen: 27.609 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. -0.00 min
 Lab File: VV007267.D
 Acq: 30 Aug 2018 16:59

Tgt Ion:180	Resp:	716338
Ion	Ratio	Lower Upper
180	100	
182	94.8	76.3 114.5
145	28.5	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: 34.468 ug/L

RT: 13.56 min Scan# 3939

Delta R.T. -0.00 min

Lab File: VV007267.D

Acq: 30 Aug 2018 16:59

Instrument :

MSVOA_V

ClientSampleId :

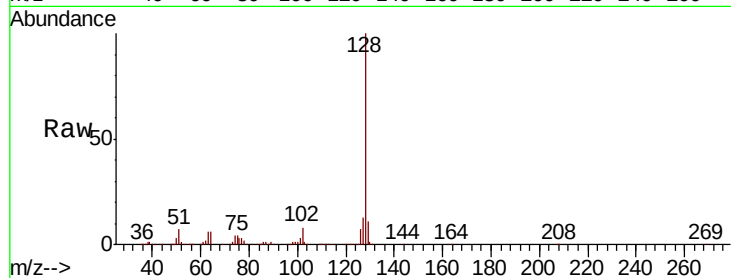
Tot Ion:128 Resp: 1176928

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

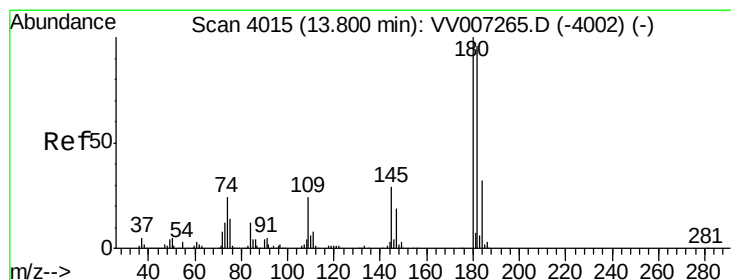
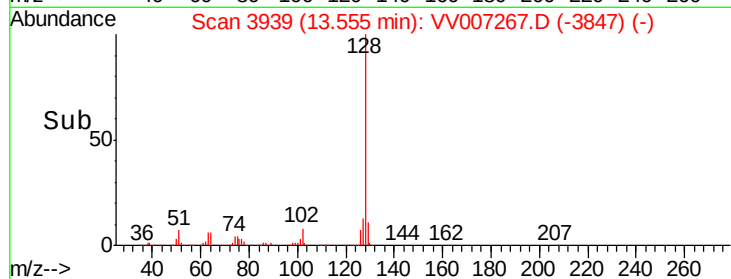
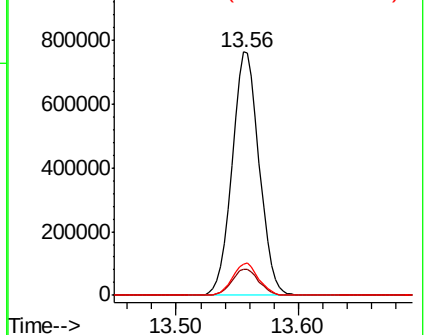
127 12.8 10.6 16.0



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: 26.432 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV007267.D

Acq: 30 Aug 2018 16:59

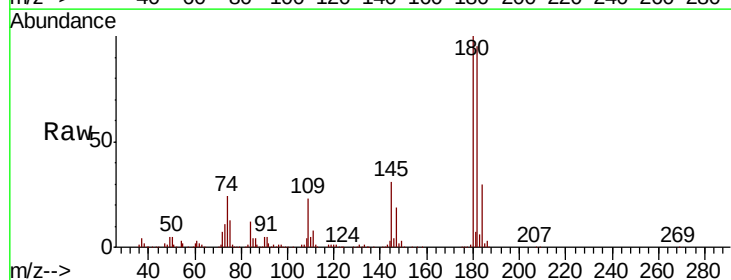
Tgt Ion:180 Resp: 670326

Ion Ratio Lower Upper

180 100

182 95.1 76.6 114.8

145 30.9 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

