

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080918\
 Data File : VV006949.D
 Acq On : 09 Aug 2018 13:17
 Operator : SY/MD
 Sample : VSTD00176
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 10 01:54:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 10 01:53:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	226422	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	213917	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	90518	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	14754	1.01	ug/L	0.00
7) Chloroethane-d5	1.58	69	12954	1.04	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	27138	0.99	ug/L	0.00
20) 2-Butanone-d5	3.99	46	37207	8.85	ug/L	0.02
24) Chloroform-d	4.41	84	30617	1.03	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	15279	1.02	ug/L	0.00
32) Benzene-d6	5.10	84	52860	0.96	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	18962	1.01	ug/L	0.00
41) Toluene-d8	7.37	98	41381	0.88	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	6113	0.94	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	18361	6.87	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	14716	1.01	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	15966	1.01	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	21287	0.965 ug/L	100
3) Chloromethane	1.25	50	19937	0.940 ug/L	99
5) Vinyl chloride	1.32	62	21880	0.998 ug/L	99
6) Bromomethane	1.54	94	4422	0.929 ug/L	97
8) Chloroethane	1.60	64	13325	1.001 ug/L	99
9) Trichlorofluoromethane	1.77	101	26576	0.952 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	15902	0.949 ug/L	97
12) 1,1-Dichloroethene	2.14	96	15821	0.973 ug/L	93
13) Acetone	2.22	43	22431	10.364 ug/L	99
14) Carbon disulfide	2.32	76	52847	0.985 ug/L	99
15) Methyl Acetate	2.47	43	5382	0.884 ug/L	91
16) Methylene chloride	2.54	84	20445	1.043 ug/L	95
17) Methyl tert-butyl Ether	2.82	73	37926	0.973 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	16634	0.955 ug/L	92
19) 1,1-Dichloroethane	3.23	63	30776	0.979 ug/L	98
21) 2-Butanone	4.07	43	43763	9.313 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	19342	0.979 ug/L	100
23) Bromochloromethane	4.31	128	7860	0.976 ug/L	97
25) Chloroform	4.43	83	33400	0.971 ug/L	96
27) 1,2-Dichloroethane	5.19	62	20856	0.972 ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	27645	0.969 ug/L	99
30) Cyclohexane	4.72	56	26432	0.890 ug/L	98
31) Carbon tetrachloride	4.87	117	23602	0.987 ug/L	97
33) Benzene	5.15	78	67838	0.915 ug/L	100
34) Trichloroethene	5.96	95	16700	0.940 ug/L	93
35) Methylcyclohexane	6.18	83	24228	0.849 ug/L	97
37) 1,2-Dichloropropane	6.23	63	18319	0.903 ug/L	# 92
38) Bromodichloromethane	6.56	83	21717	0.942 ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	21276	0.868 ug/L	92
40) 4-Methyl-2-pentanone	7.29	43	90700	8.277 ug/L	98

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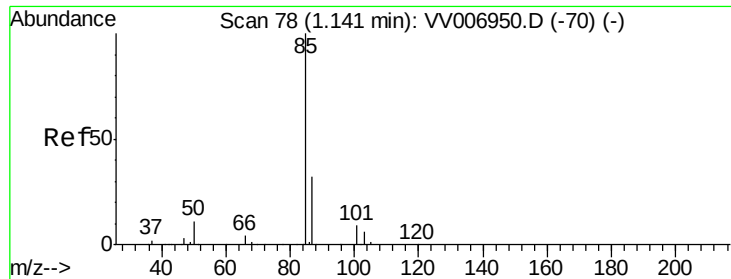
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 10 01:54:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 10 01:53:20 2018
 Response via : Initial Calibration

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

42) Toluene	7.44	91	61614	0.865	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	18489	0.919	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	12988	0.984	ug/L	97
47) Tetrachloroethene	8.02	164	14169	0.983	ug/L	97
48) 2-Hexanone	8.20	43	59413	7.688	ug/L	95
49) Dibromochloromethane	8.30	129	12693	0.917	ug/L	98
50) 1,2-Dibromoethane	8.40	107	10325	0.926	ug/L #	99
51) Chlorobenzene	8.93	112	42608	0.939	ug/L	95
52) Ethylbenzene	9.06	91	58386	0.821	ug/L	98
53) m,p-xylene	9.19	106	21280	0.803	ug/L	99
54) o-xylene	9.59	106	20342	0.810	ug/L	98
55) Styrene	9.61	104	31869	0.753	ug/L	95
56) Isopropylbenzene	9.98	105	54047	0.820	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	14374	0.896	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	10703	0.943	ug/L	97
61) Bromoform	9.78	173	6711	0.979	ug/L	95
62) 1,3-Dichlorobenzene	11.23	146	28238	0.964	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	28770	0.958	ug/L	94
65) 1,2-Dichlorobenzene	11.70	146	27140	0.942	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.49	75	2097	1.025	ug/L	86
67) 1,3,5-Trichlorobenzene	12.70	180	20268	0.914	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	13468	0.828	ug/L	95
69) Naphthalene	13.56	128	17372	0.744	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	13416	0.855	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 0.965 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006949.D

Acq: 09 Aug 2018 13:17

Instrument :

MSVOA_V

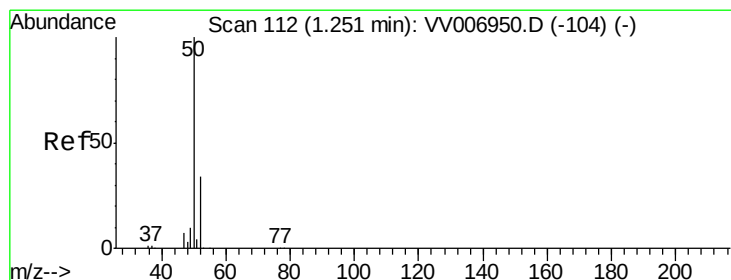
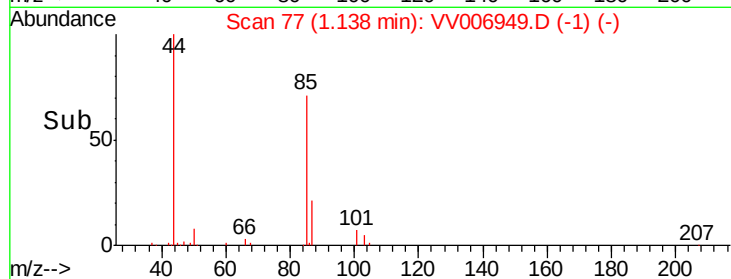
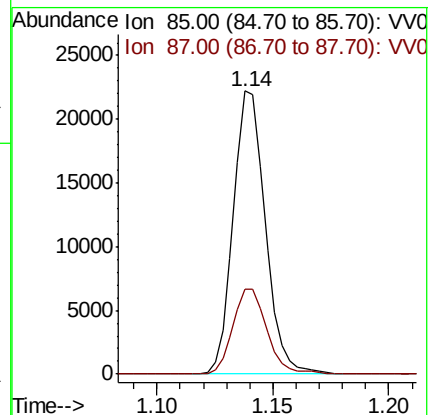
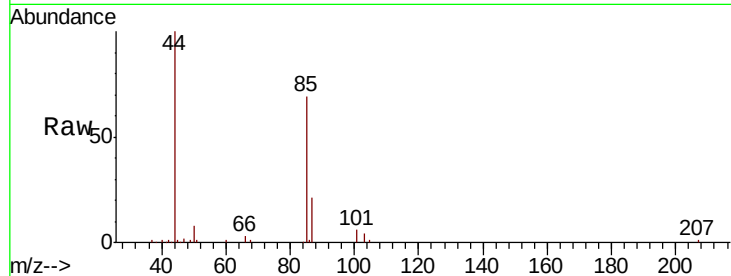
ClientSampleId :

Tot Ion: 85 Resp: 21287

Ion Ratio Lower Upper

85 100

87 31.9 25.4 38.2



#3

Chloromethane

Concen: 0.940 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV006949.D

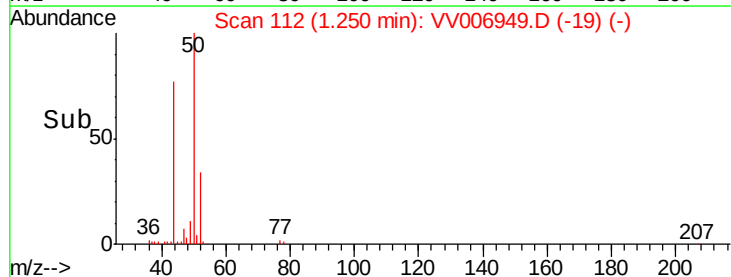
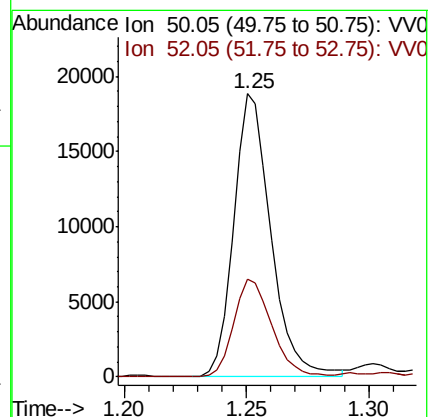
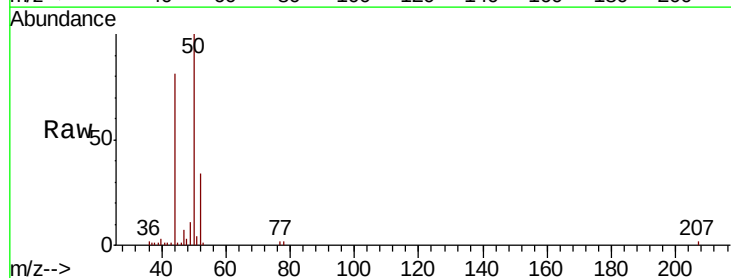
Acq: 09 Aug 2018 13:17

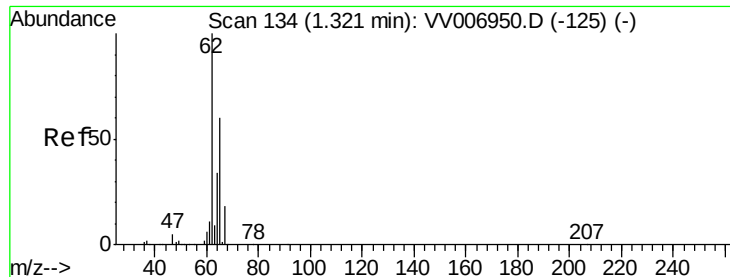
Tgt Ion: 50 Resp: 19937

Ion Ratio Lower Upper

50 100

52 34.4 23.6 43.8





#5

Vinyl chloride

Concen: 0.998 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006949.D

Acq: 09 Aug 2018 13:17

Instrument :

MSVOA_V

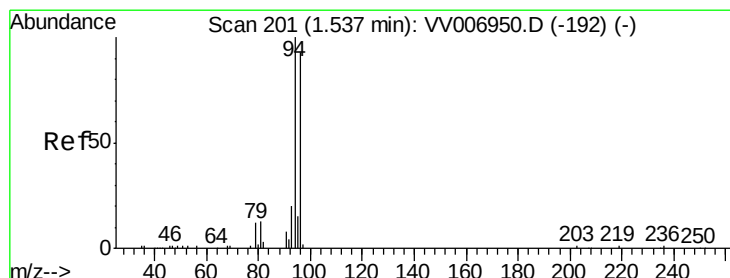
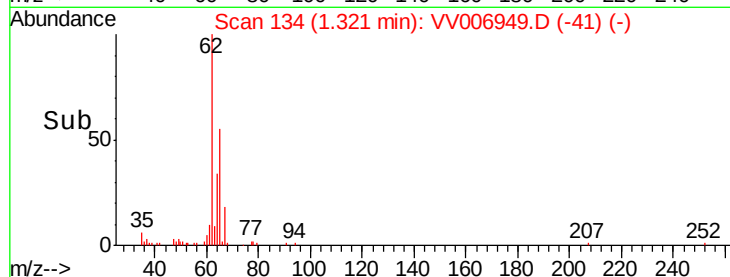
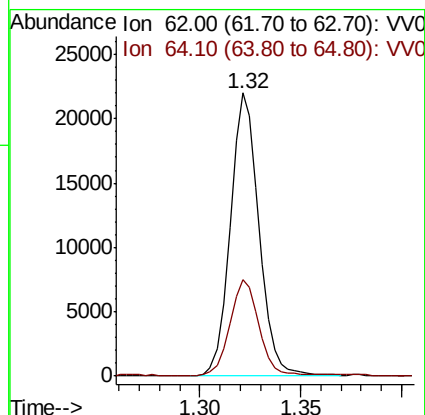
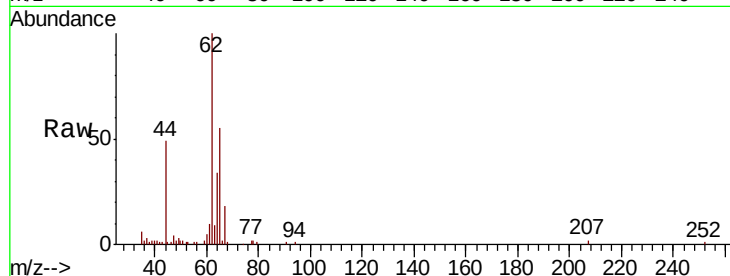
ClientSampleId :

Tot Ion: 62 Resp: 21880

Ion Ratio Lower Upper

62 100

64 33.9 23.5 43.7



#6

Bromomethane

Concen: 0.929 ug/L

RT: 1.54 min Scan# 201

Delta R.T. -0.00 min

Lab File: VV006949.D

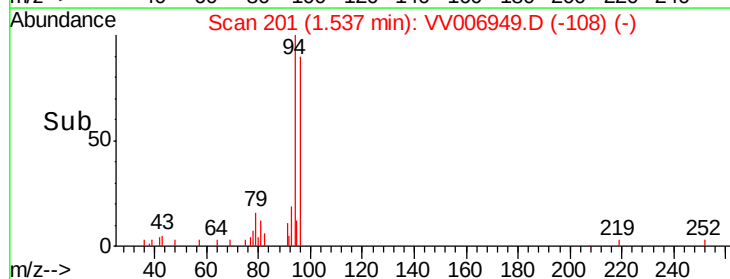
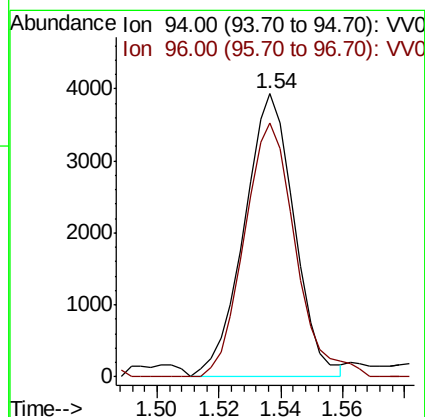
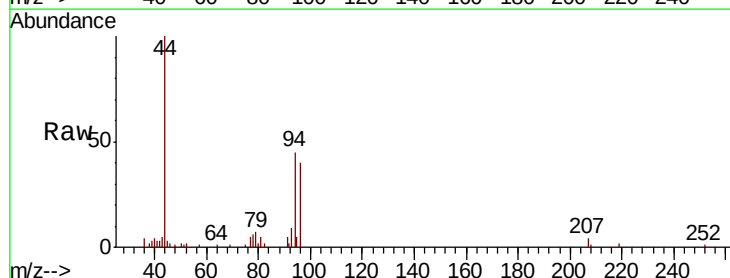
Acq: 09 Aug 2018 13:17

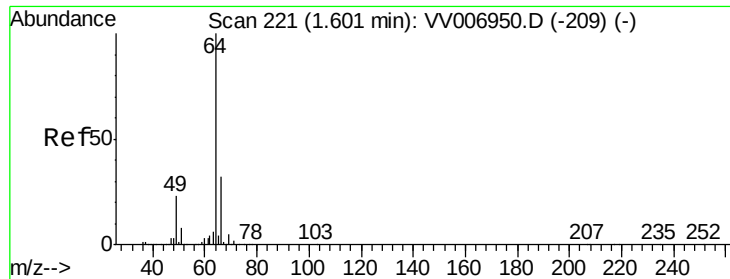
Tgt Ion: 94 Resp: 4422

Ion Ratio Lower Upper

94 100

96 89.8 65.0 120.6





#8

Chloroethane

Concen: 1.001 ug/L

RT: 1.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VV006949.D

Acq: 09 Aug 2018 13:17

Instrument :

MSVOA_V

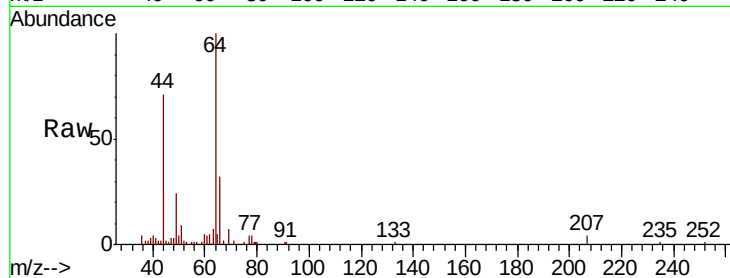
ClientSampled :

Tot Ion: 64 Resp: 13325

Ion Ratio Lower Upper

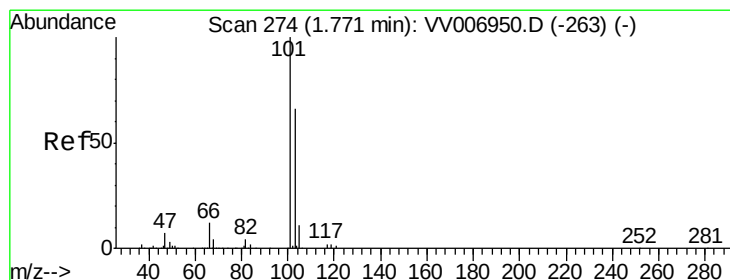
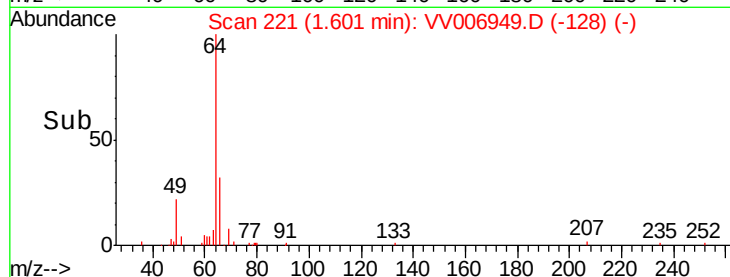
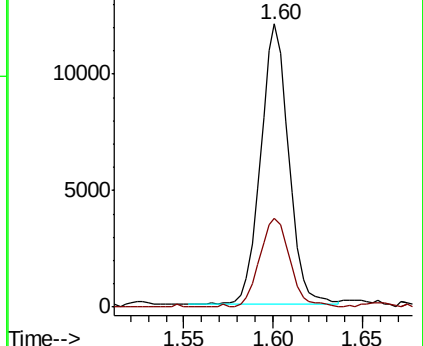
64 100

66 31.6 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VV006949.D (-128) (-)

Ion 66.05 (65.75 to 66.75): VV006949.D (-128) (-)



#9

Trichlorofluoromethane

Concen: 0.952 ug/L

RT: 1.77 min Scan# 274

Delta R.T. -0.00 min

Lab File: VV006949.D

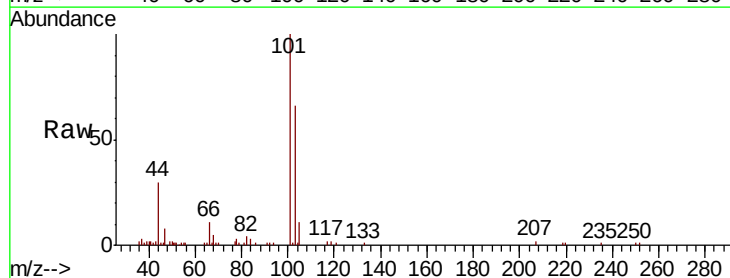
Acq: 09 Aug 2018 13:17

Tgt Ion: 101 Resp: 26576

Ion Ratio Lower Upper

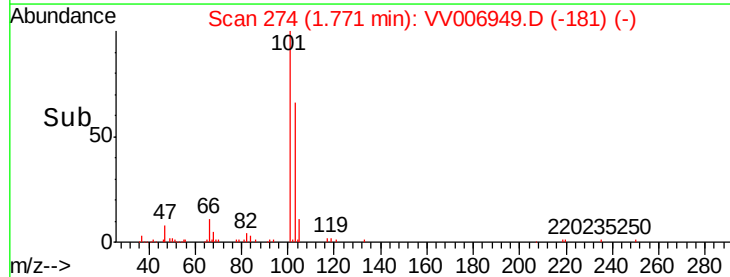
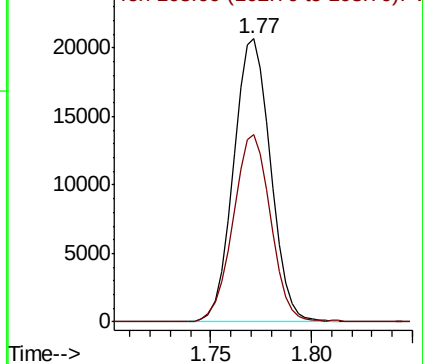
101 100

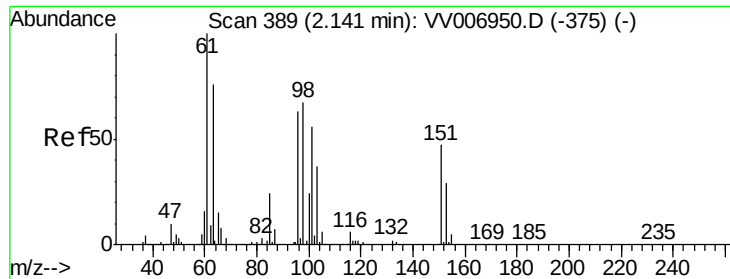
103 67.2 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VV006949.D (-181) (-)

Ion 103.00 (102.70 to 103.70): VV006949.D (-181) (-)





#10

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

Concen: 0.949 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.00 min

Lab File: VV006949.D

Acq: 09 Aug 2018 13:17

Instrument :

MSVOA_V

ClientSampleId :

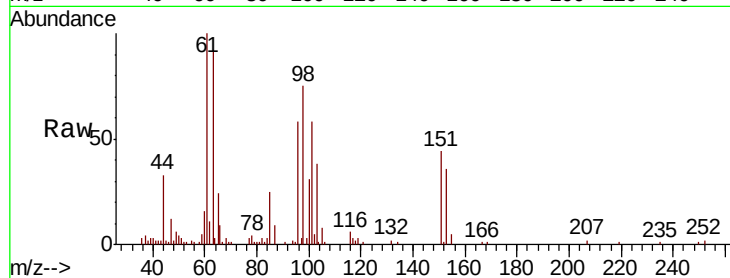
Tot Ion:101 Resp: 15902

Ion Ratio Lower Upper

101 100

85 44.0 33.9 50.9

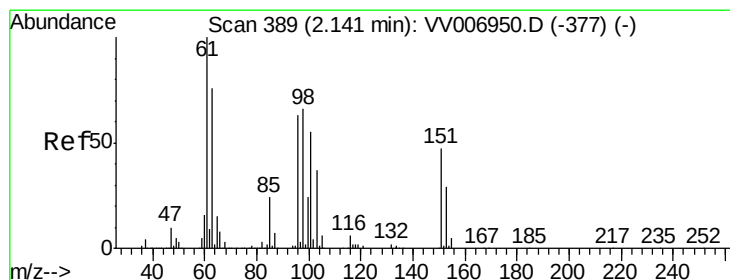
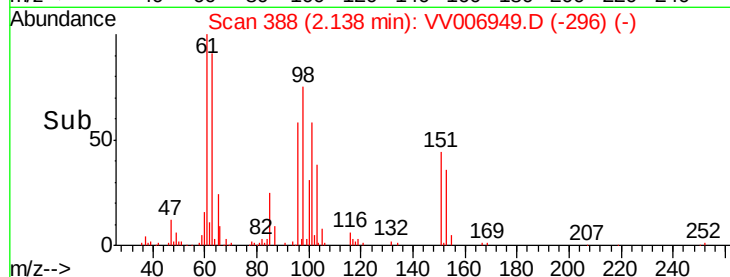
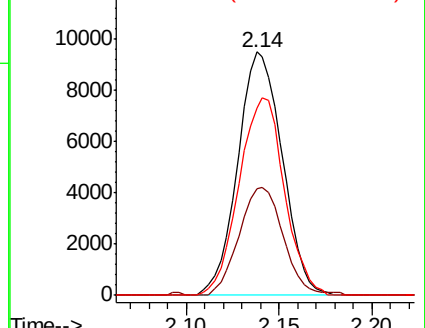
151 82.4 64.1 96.1



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: 0.973 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006949.D

Acq: 09 Aug 2018 13:17

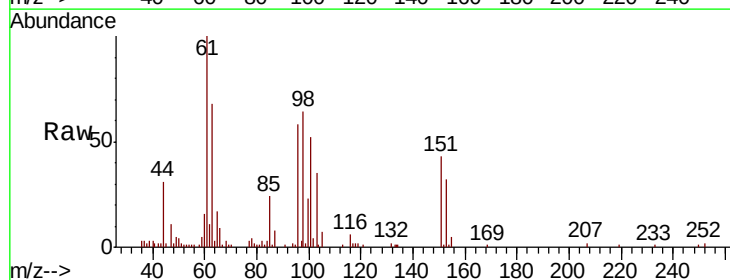
Tgt Ion: 96 Resp: 15821

Ion Ratio Lower Upper

96 100

61 172.6 111.6 207.4

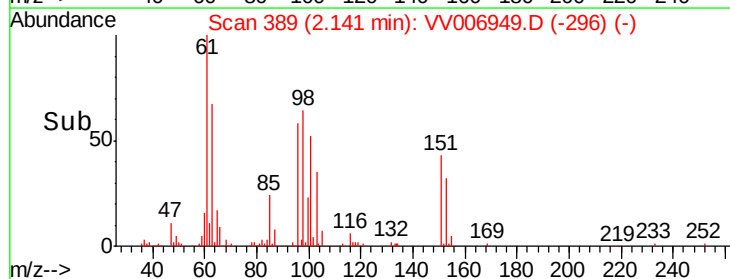
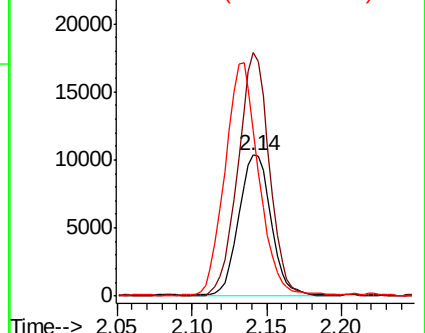
63 117.4 84.9 157.7

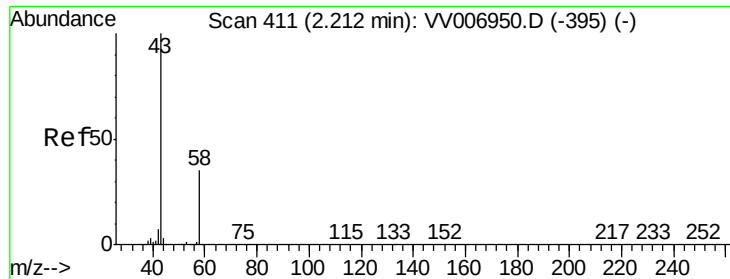


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 10.364 ug/L

RT: 2.22 min Scan# 412

Delta R.T. 0.00 min

Lab File: VV006949.D

Acq: 09 Aug 2018 13:17

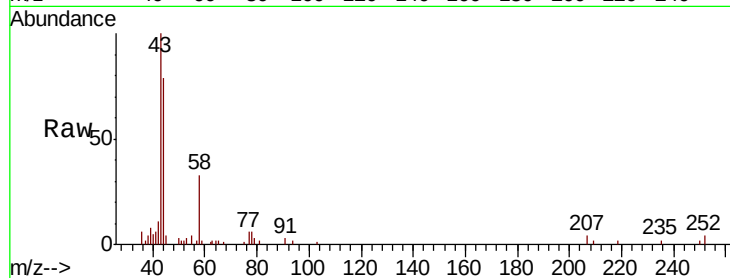
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 22431

Ion Ratio Lower Upper

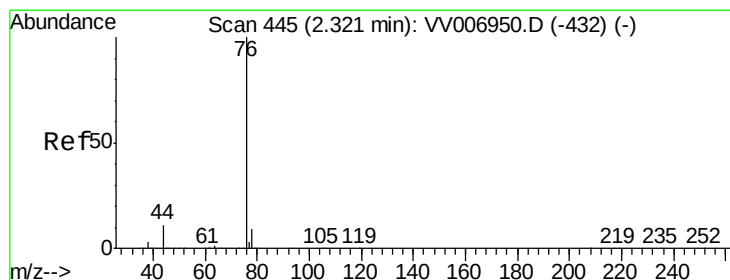
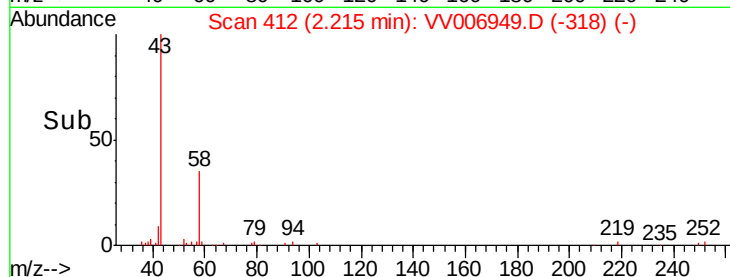
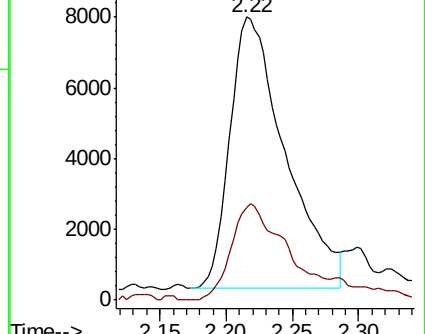
43 100

58 35.4 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV006950.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VV006950.D (-395) (-)



#14

Carbon disulfide

Concen: 0.985 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006949.D

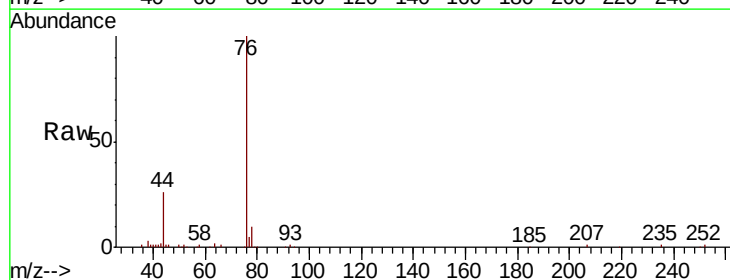
Acq: 09 Aug 2018 13:17

Tgt Ion: 76 Resp: 52847

Ion Ratio Lower Upper

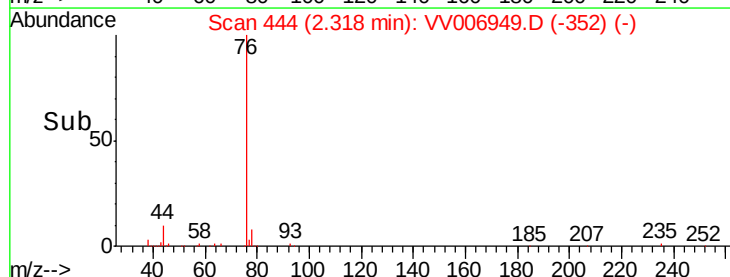
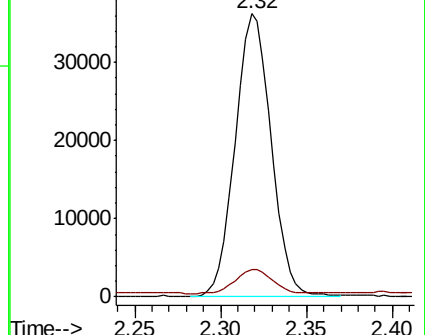
76 100

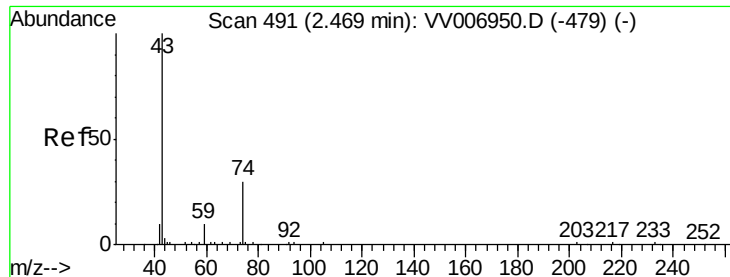
78 9.8 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV006950.D (-432) (-)

Ion 78.00 (77.70 to 78.70): VV006950.D (-432) (-)

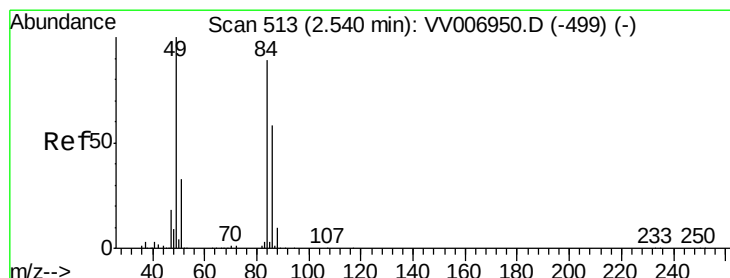
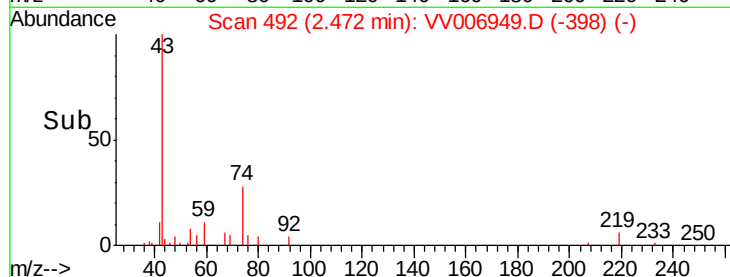
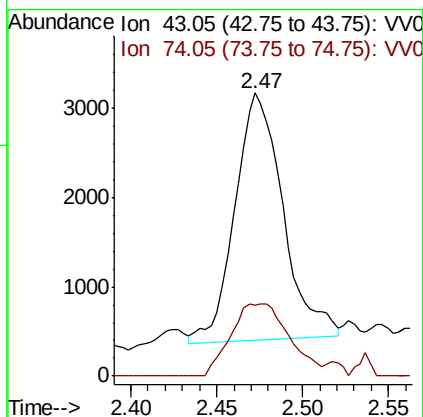
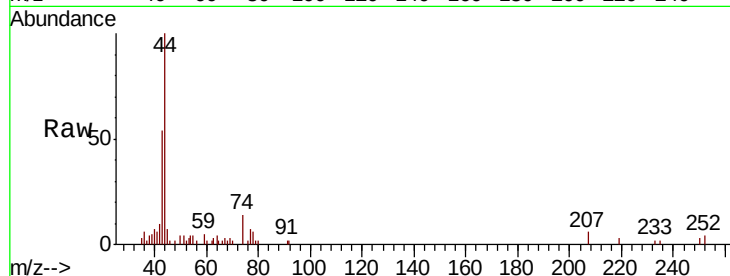




#15
Methyl Acetate
Concen: 0.884 ug/L
RT: 2.47 min Scan# 492
Delta R.T. 0.00 min
Lab File: VV006949.D
Acq: 09 Aug 2018 13:17

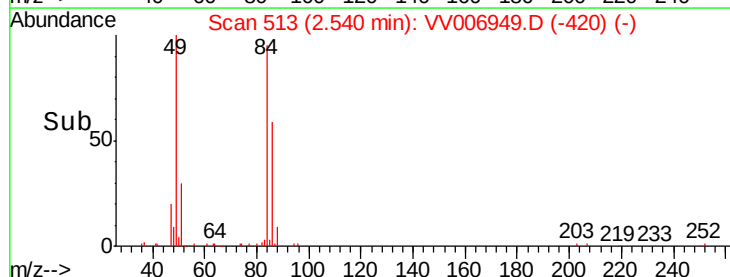
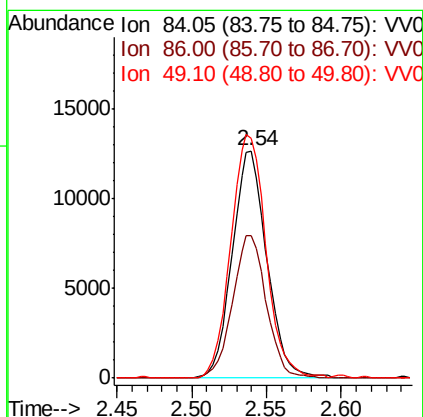
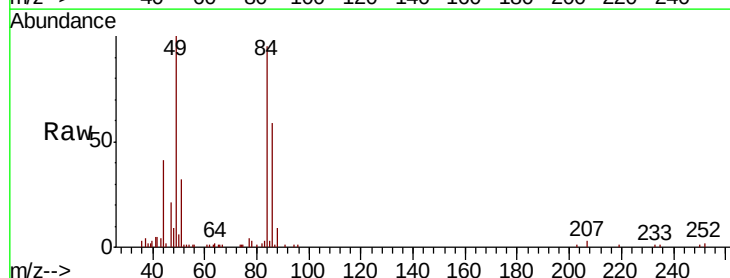
Instrument :
MSVOA_V
ClientSampled :

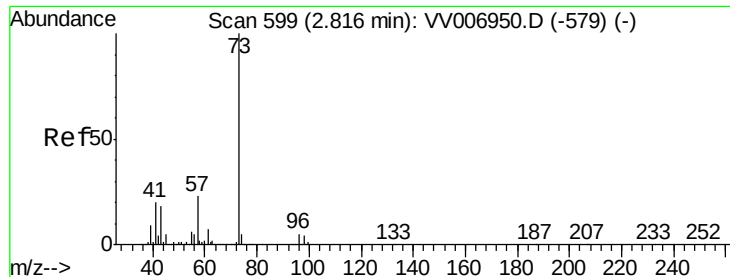
Tot Ion: 43 Resp: 5382
Ion Ratio Lower Upper
43 100
74 35.5 24.6 37.0



#16
Methylene chloride
Concen: 1.043 ug/L
RT: 2.54 min Scan# 513
Delta R.T. -0.00 min
Lab File: VV006949.D
Acq: 09 Aug 2018 13:17

Tgt Ion: 84 Resp: 20445
Ion Ratio Lower Upper
84 100
86 62.7 45.7 84.9
49 105.5 78.8 146.4

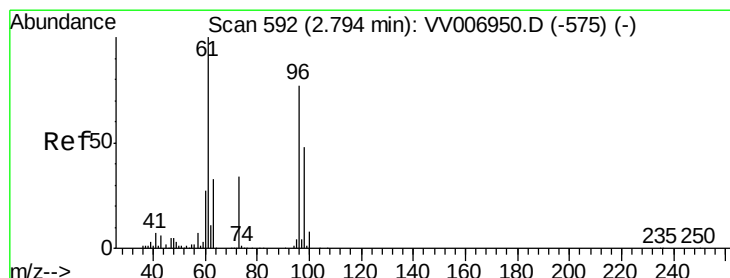
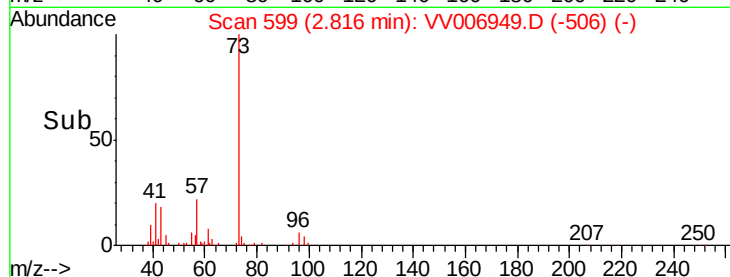
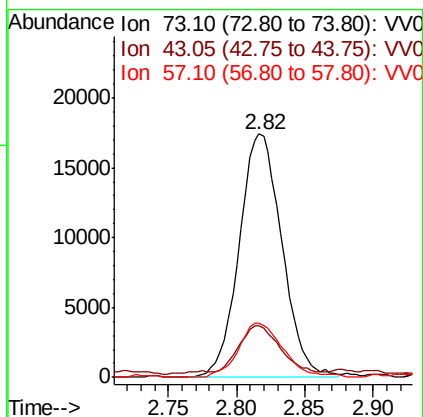
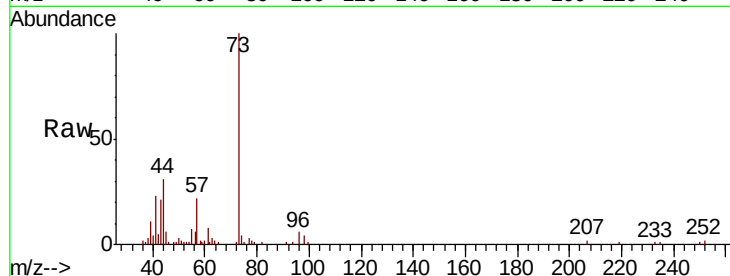




#17
Methvl tert-butvl Ether
Concen: 0.973 ug/L
RT: 2.82 min Scan# 599
Delta R.T. -0.00 min
Lab File: VV006949.D
Acq: 09 Aug 2018 13:17

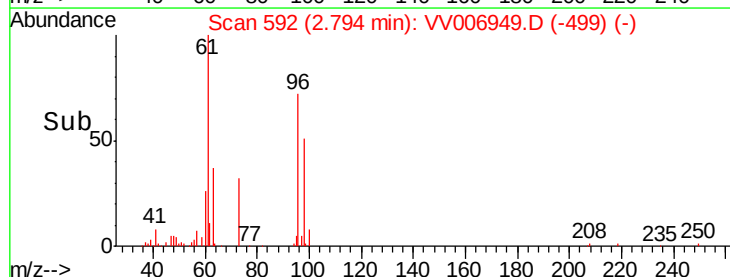
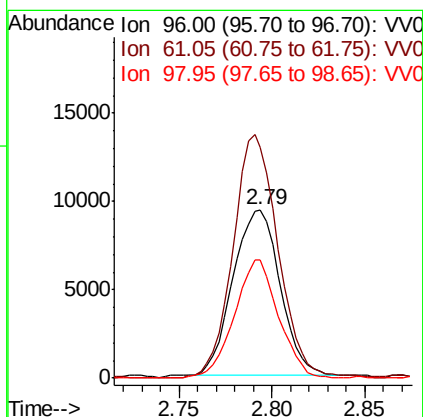
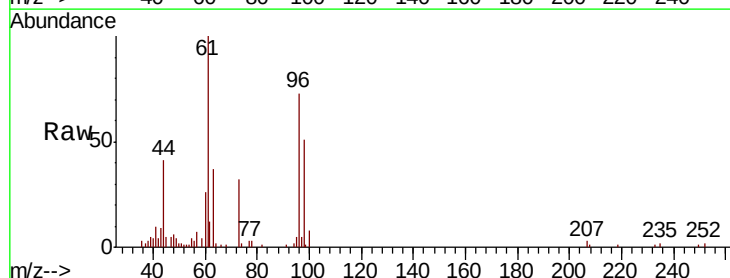
Instrument :
MSVOA_V
ClientSampleId :

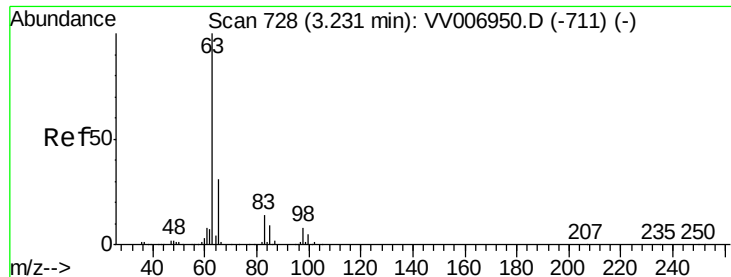
Tot Ion	Ratio	Lower	Upper
73	100		
43	19.1	14.4	21.6
57	23.3	17.9	26.9



#18
trans-1,2-Dichloroethene
Concen: 0.955 ug/L
RT: 2.79 min Scan# 592
Delta R.T. -0.00 min
Lab File: VV006949.D
Acq: 09 Aug 2018 13:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.3	91.1	169.3
98	70.2	43.5	80.9

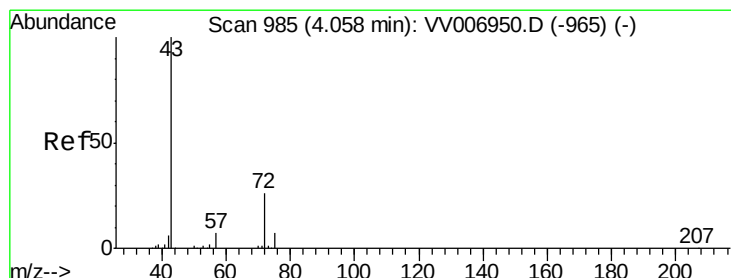
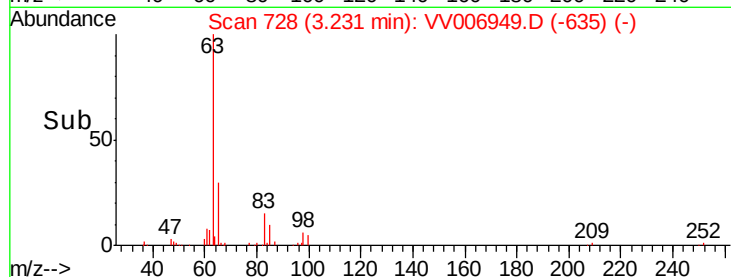
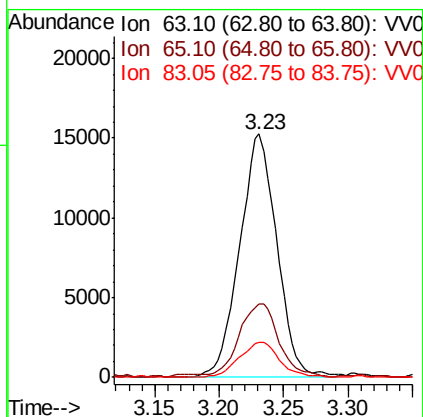
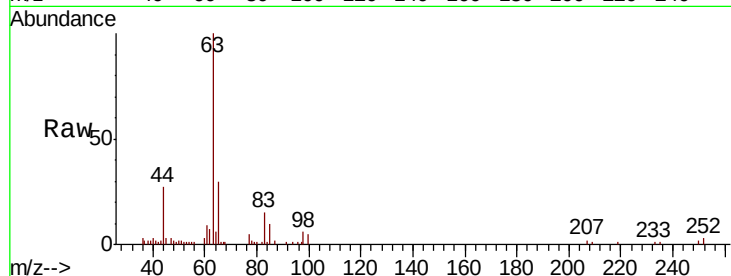




#19
 1,1-Dichloroethane
 Concen: 0.979 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VV006949.D
 Acq: 09 Aug 2018 13:17

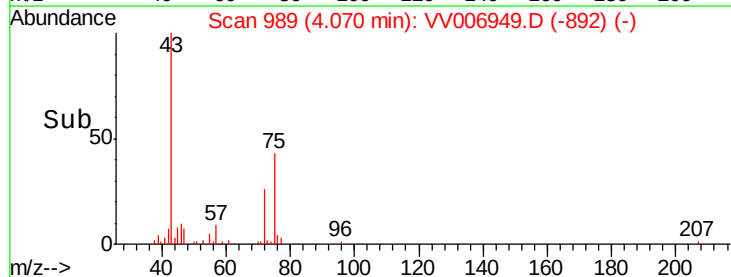
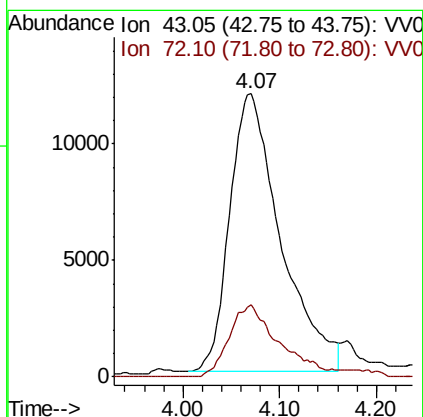
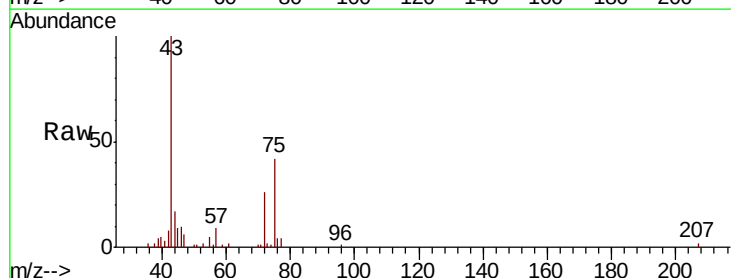
Instrument :
 MSVOA_V
 ClientSampleId :

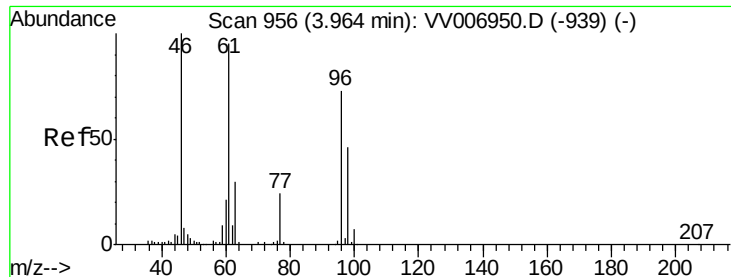
Tot Ion: 63 Resp: 30776
 Ion Ratio Lower Upper
 63 100
 65 29.9 21.7 40.3
 83 14.6 10.0 18.6



#21
 2-Butanone
 Concen: 9.313 ug/L
 RT: 4.07 min Scan# 989
 Delta R.T. 0.01 min
 Lab File: VV006949.D
 Acq: 09 Aug 2018 13:17

Tgt Ion: 43 Resp: 43763
 Ion Ratio Lower Upper
 43 100
 72 26.3 12.4 37.2





#22

cis-1,2-Dichloroethene

Concen: 0.979 ug/L

RT: 3.96 min Scan# 956

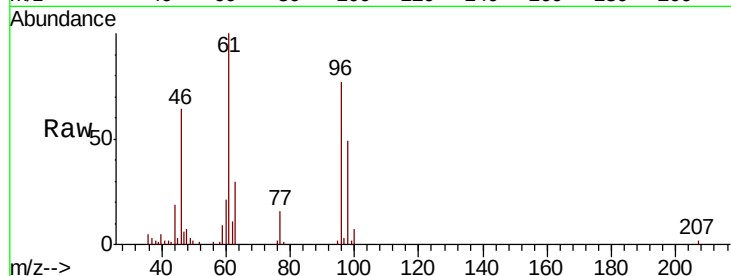
Delta R.T. -0.00 min

Lab File: VV006949.D

Acq: 09 Aug 2018 13:17

Instrument :
MSVOA_V
ClientSampled :

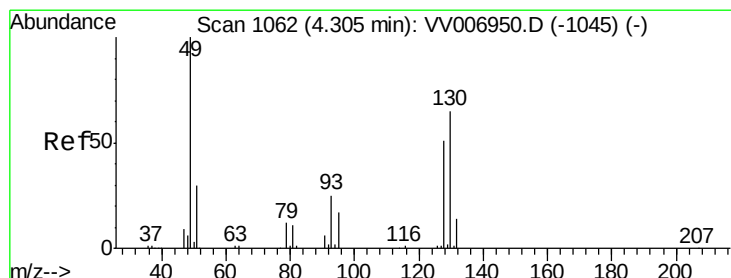
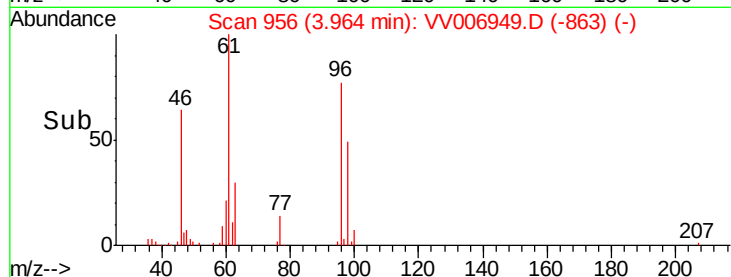
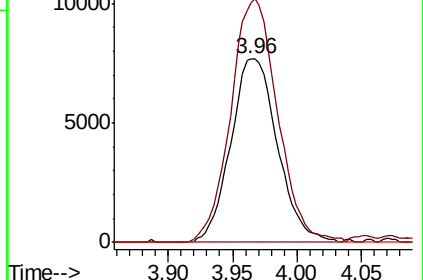
Tot Ion:	96	Resp:	19342
Ion	Ratio	Lower	Upper
96	100		
61	130.5	91.1	169.1
68	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VV006949.D (-963) (-)

Ion 61.05 (60.75 to 61.75): VV006949.D (-963) (-)

Ion 68.15 (67.85 to 68.85): VV006949.D (-963) (-)



#23

Bromochloromethane

Concen: 0.976 ug/L

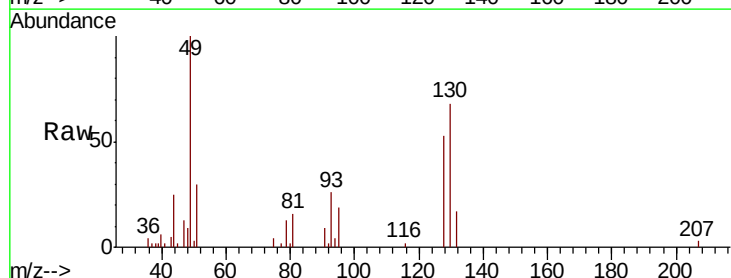
RT: 4.31 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VV006949.D

Acq: 09 Aug 2018 13:17

Tgt Ion:	128	Resp:	7860
Ion	Ratio	Lower	Upper
128	100		
49	189.1	138.6	257.4
130	129.1	90.0	167.2
51	57.0	46.9	70.3

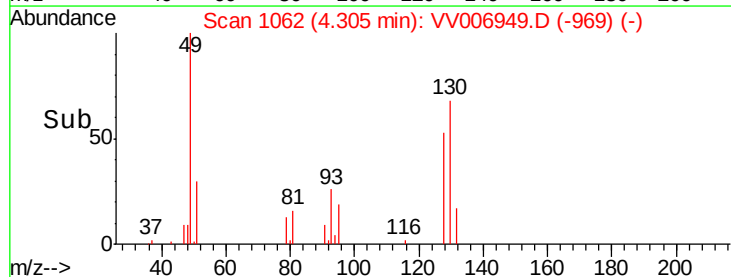
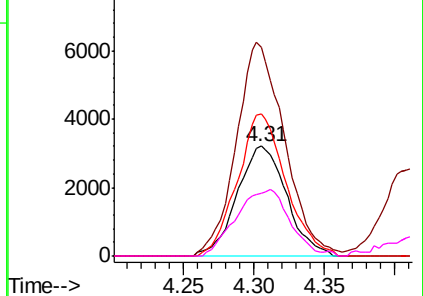


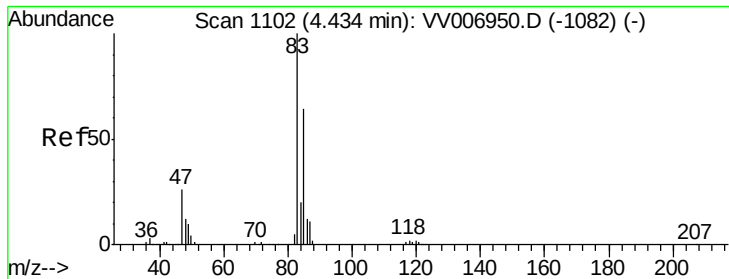
Abundance Ion 127.90 (127.60 to 128.60): VV006949.D (-969) (-)

Ion 49.10 (48.80 to 49.80): VV006949.D (-969) (-)

Ion 129.95 (129.65 to 130.65): VV006949.D (-969) (-)

Ion 51.05 (50.75 to 51.75): VV006949.D (-969) (-)

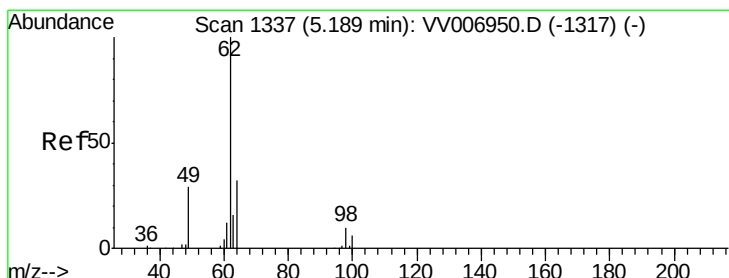
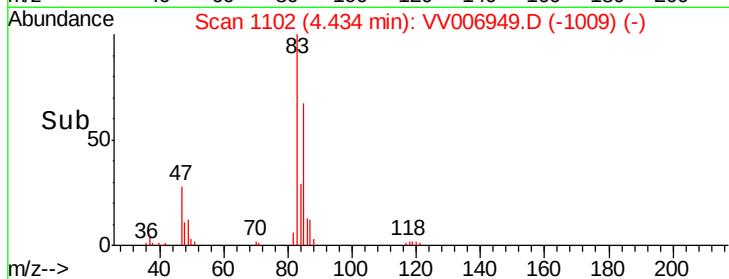
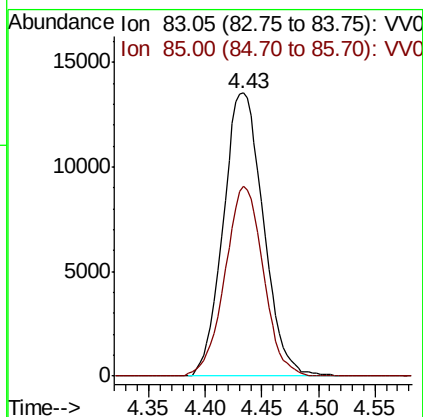
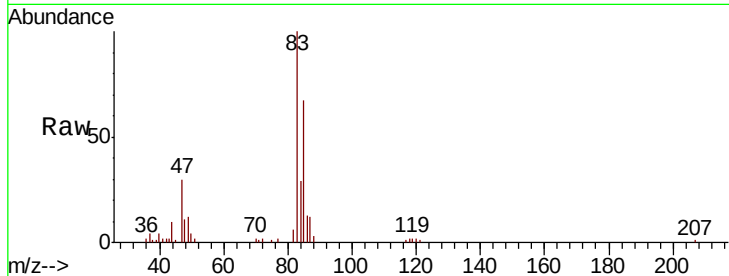




#25
Chloroform
Concen: 0.971 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV006949.D
Acq: 09 Aug 2018 13:17

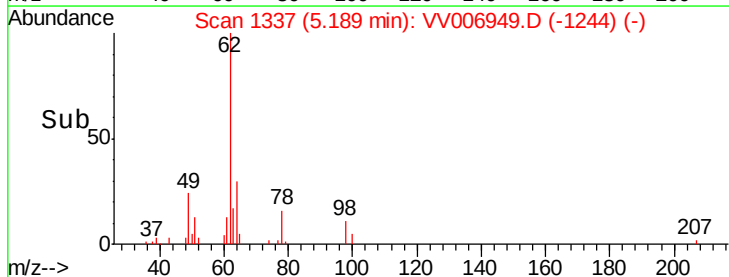
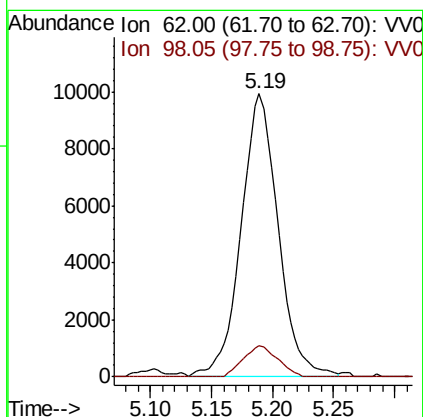
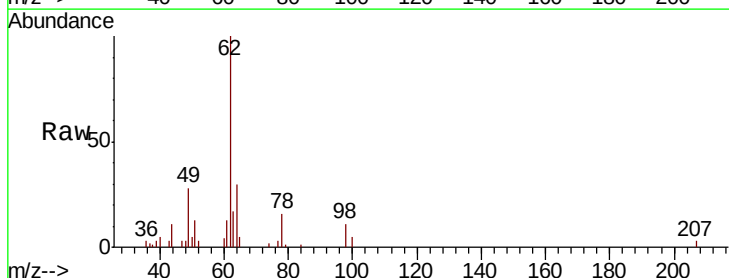
Instrument :
MSVOA_V
ClientSampleId :

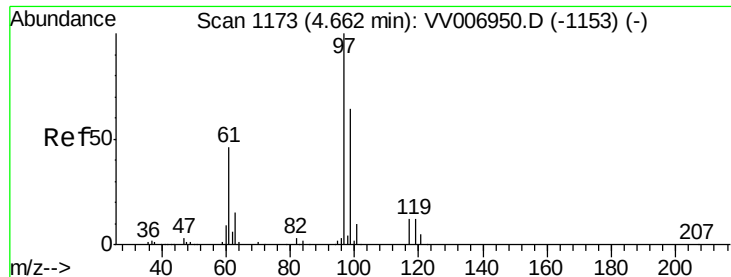
Tot Ion: 83 Resp: 33400
Ion Ratio Lower Upper
83 100
85 67.2 44.7 82.9



#27
1,2-Dichloroethane
Concen: 0.972 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VV006949.D
Acq: 09 Aug 2018 13:17

Tgt Ion: 62 Resp: 20856
Ion Ratio Lower Upper
62 100
98 11.0 7.6 11.4

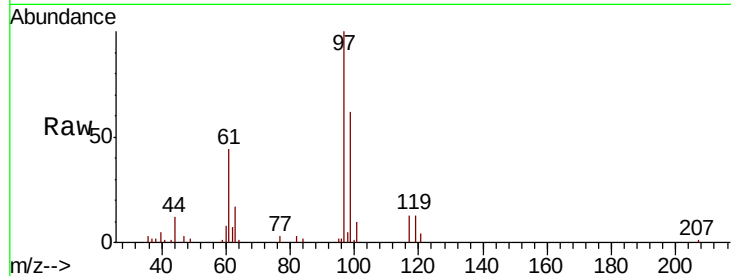




#29
 1,1,1-Trichloroethane
 Concen: 0.969 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VV006949.D
 Acq: 09 Aug 2018 13:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	97	Resp	27645
Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.0	76.6
61	46.0	36.6	54.8

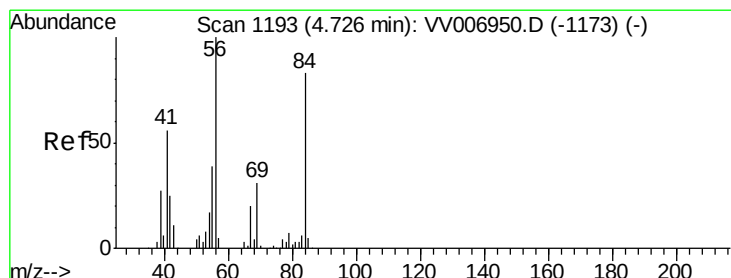
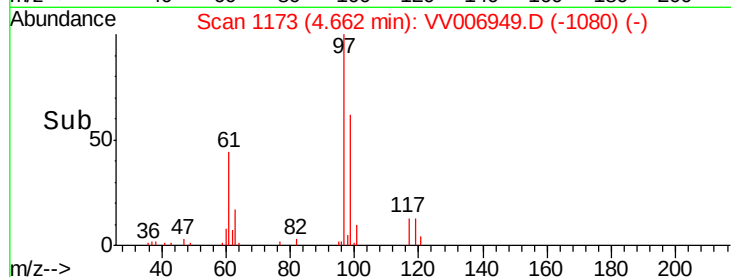
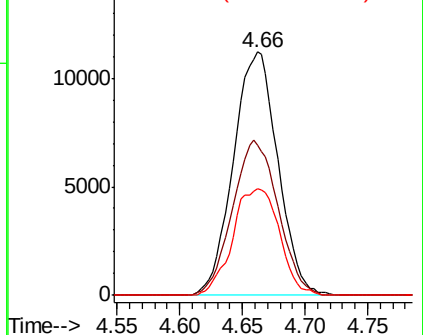


Abundance

Ion 96.95 (96.65 to 97.65): VV0

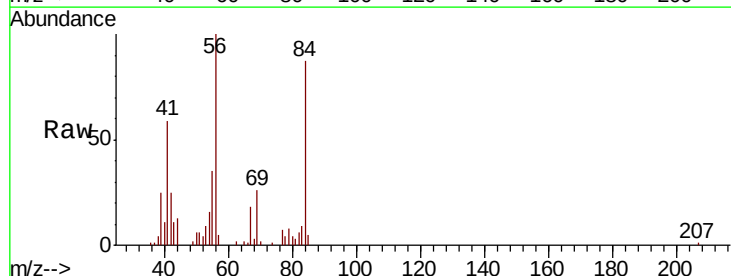
Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30
 Cyclohexane
 Concen: 0.890 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VV006949.D
 Acq: 09 Aug 2018 13:17

Tgt Ion	56	Resp	26432
Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.8	35.6
84	83.0	67.9	101.9

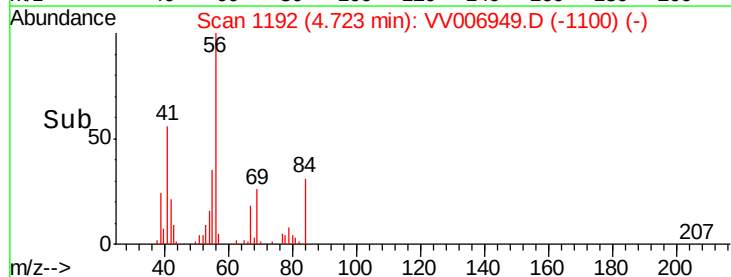
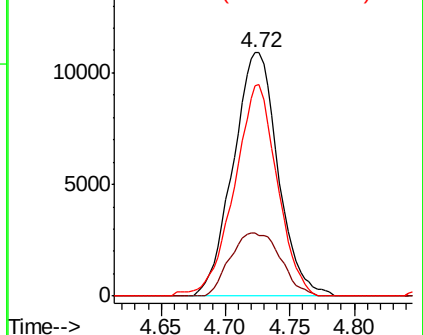


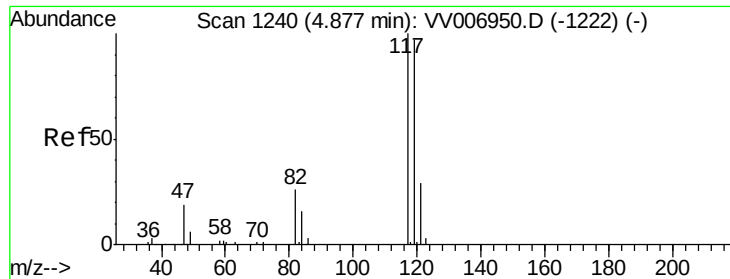
Abundance

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: 0.987 ug/L

RT: 4.87 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VV006949.D

Acq: 09 Aug 2018 13:17

Instrument :

MSVOA_V

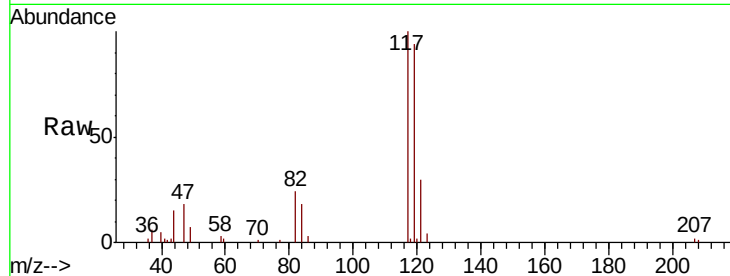
ClientSampled :

Tot Ion:117 Resp: 23602

Ion Ratio Lower Upper

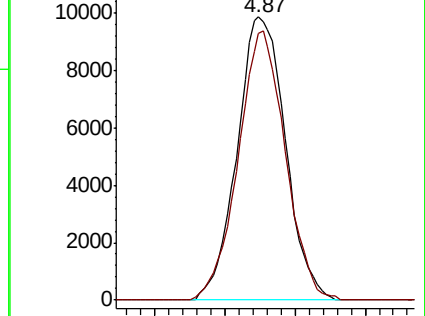
117 100

119 92.6 76.2 114.4

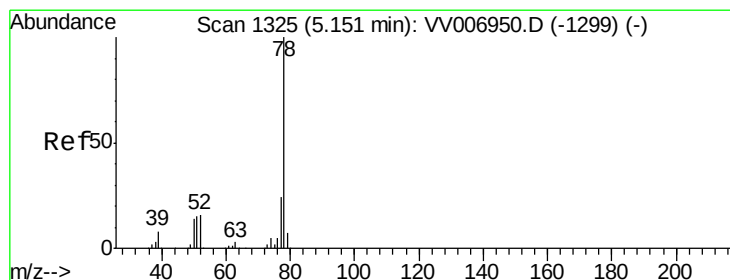
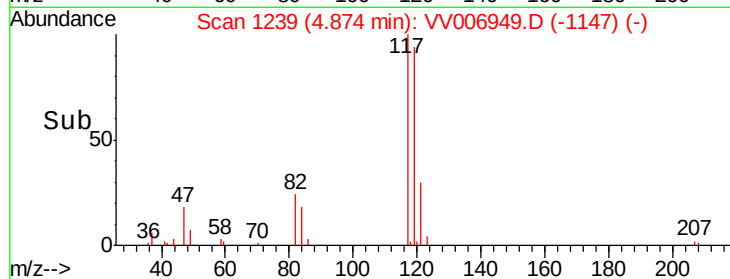


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



Time-->



#33

Benzene

Concen: 0.915 ug/L

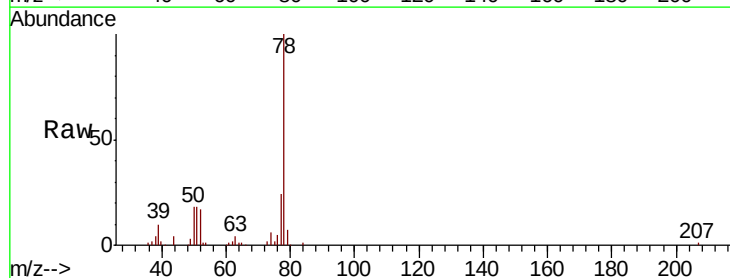
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

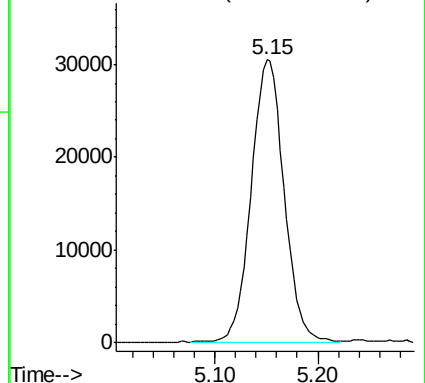
Lab File: VV006949.D

Acq: 09 Aug 2018 13:17

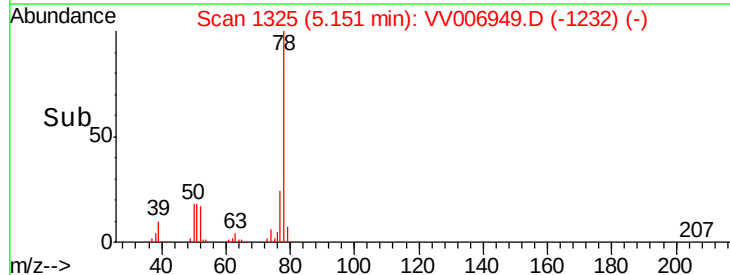
Tgt Ion: 78 Resp: 67838

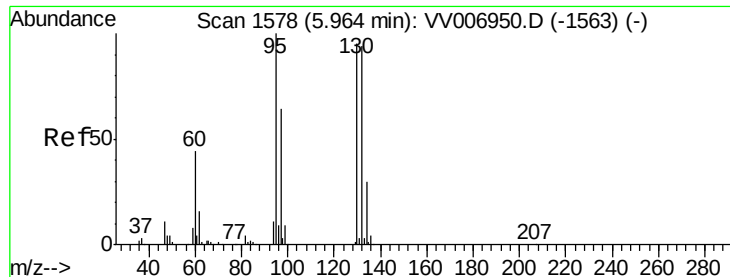


Abundance Ion 78.10 (77.80 to 78.80): VV0



Time-->





#34

Trichloroethene

Concen: 0.940 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VV006949.D

Acq: 09 Aug 2018 13:17

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 16700

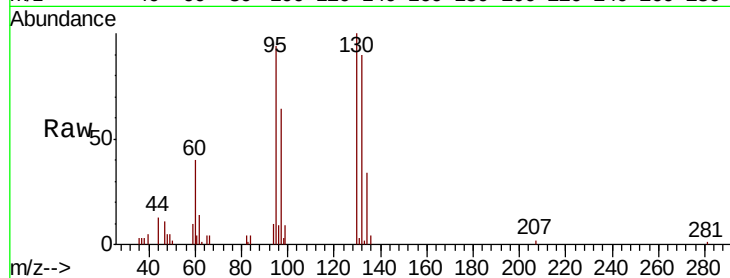
Ion Ratio Lower Upper

95 100

97 68.1 44.8 83.2

132 95.9 65.5 121.6

130 106.7 66.4 123.4

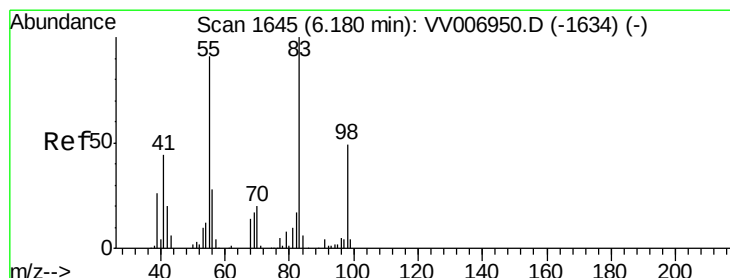
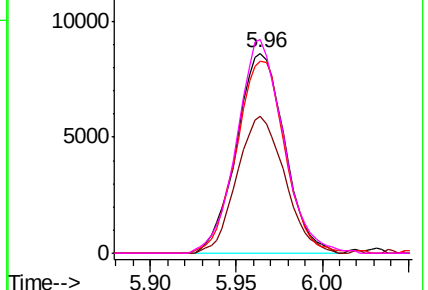
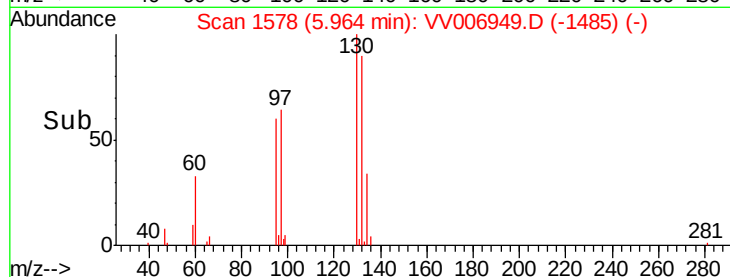


Abundance Ion 95.00 (94.70 to 95.70): VV006949.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV006949.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VV006949.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV006949.D (-1485) (-)



#35

Methylcyclohexane

Concen: 0.849 ug/L

RT: 6.18 min Scan# 1644

Delta R.T. -0.00 min

Lab File: VV006949.D

Acq: 09 Aug 2018 13:17

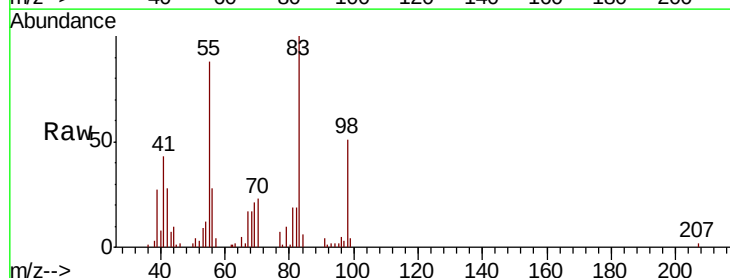
Tgt Ion: 83 Resp: 24228

Ion Ratio Lower Upper

83 100

55 87.9 68.1 102.1

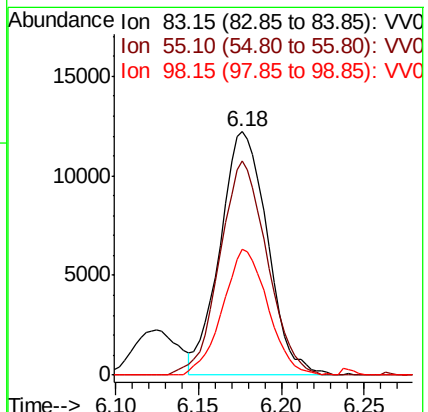
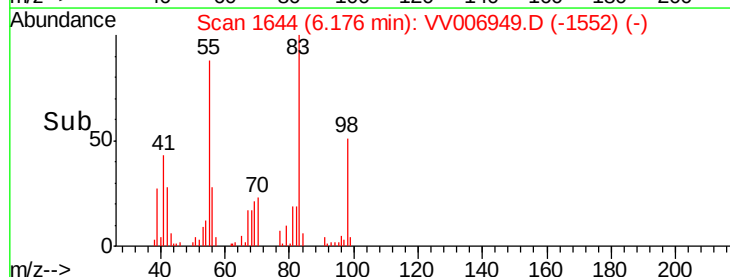
98 49.4 37.9 56.9

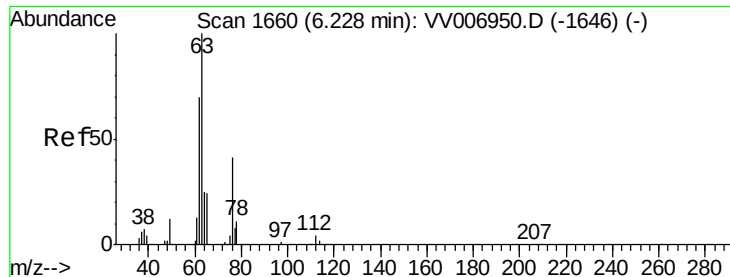


Abundance Ion 83.15 (82.85 to 83.85): VV006949.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV006949.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV006949.D (-1552) (-)

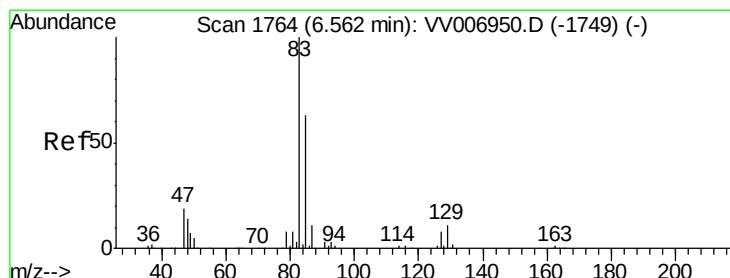
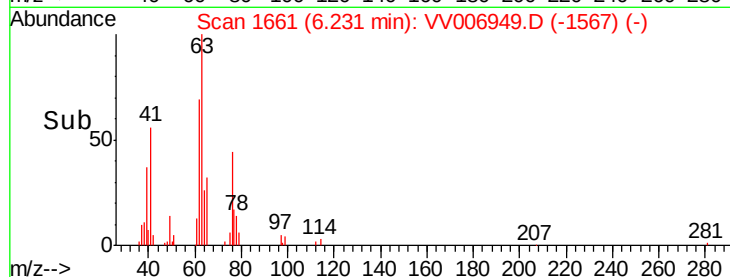
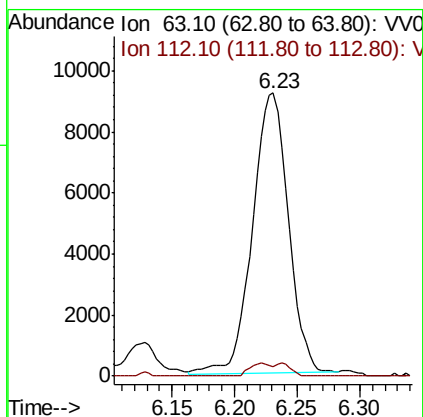
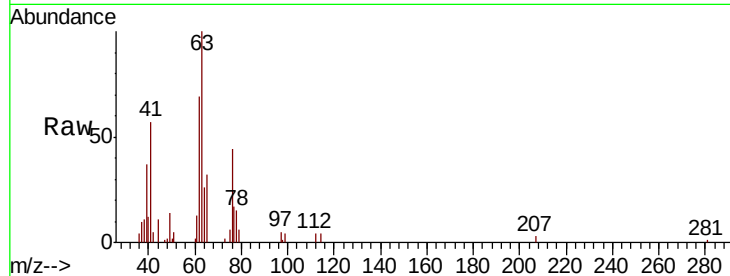




#37
 1,2-Dichloropropane
 Concen: 0.903 ug/L
 RT: 6.23 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VV006949.D
 Acq: 09 Aug 2018 13:17

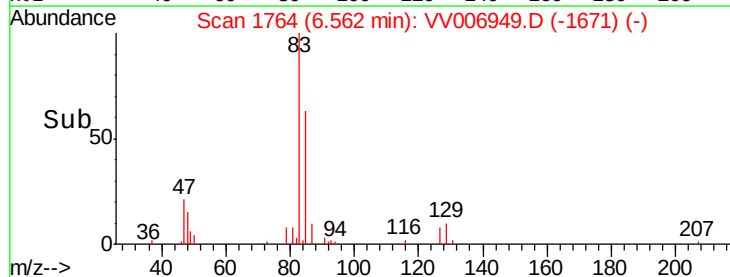
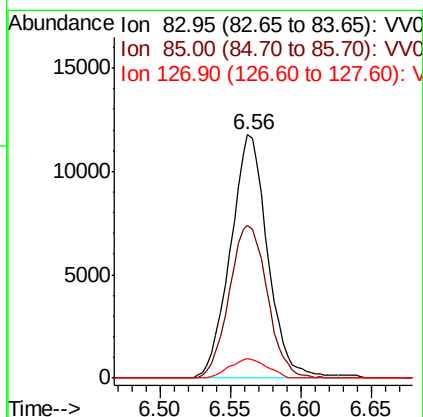
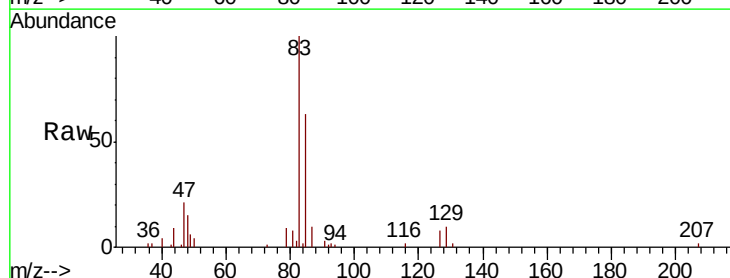
Instrument :
 MSVOA_V
 ClientSampled :

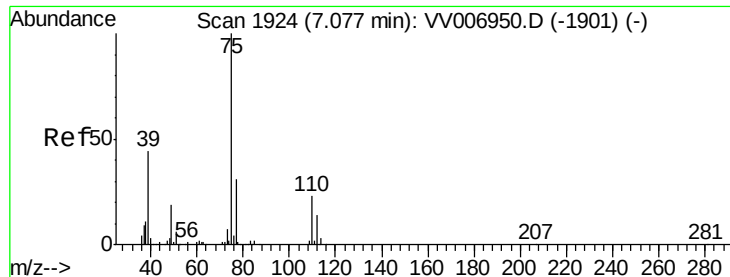
Tot Ion: 63 Resp: 18319
 Ion Ratio Lower Upper
 63 100
 112 1.9 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 0.942 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV006949.D
 Acq: 09 Aug 2018 13:17

Tgt Ion: 83 Resp: 21717
 Ion Ratio Lower Upper
 83 100
 85 62.9 43.8 81.4
 127 7.9 6.6 10.0



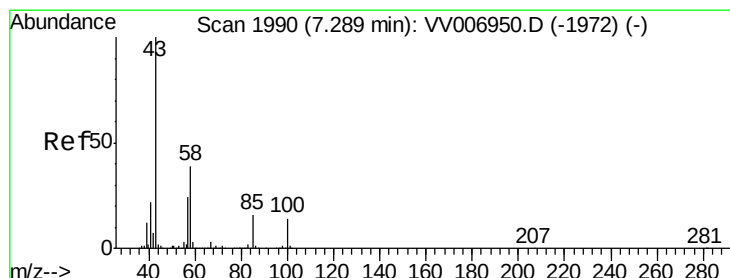
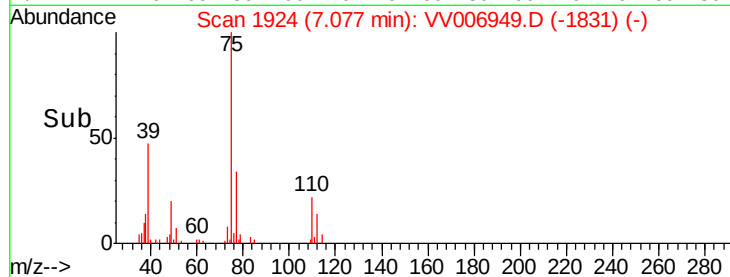
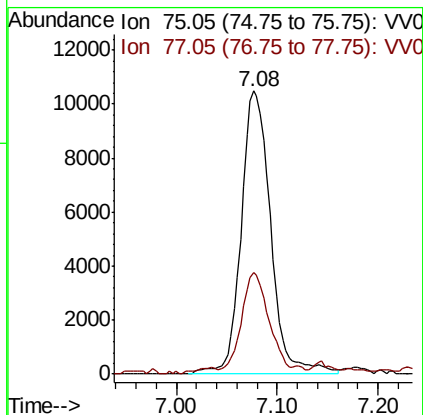
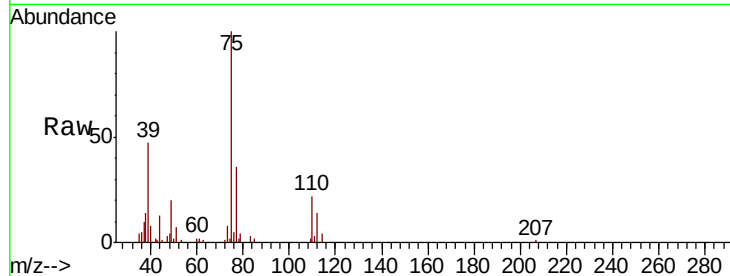


#39

cis-1,3-Dichloropropene
 Concen: 0.868 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV006949.D
 Acq: 09 Aug 2018 13:17

Instrument :
 MSVOA_V
 ClientSampleId :

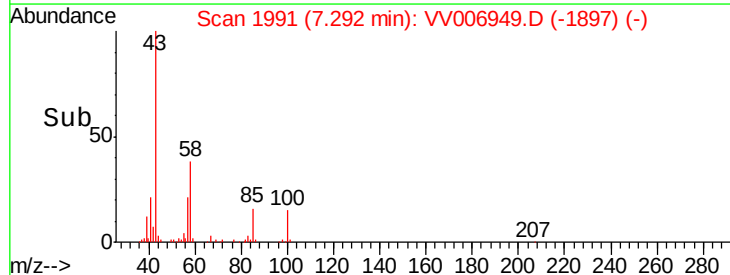
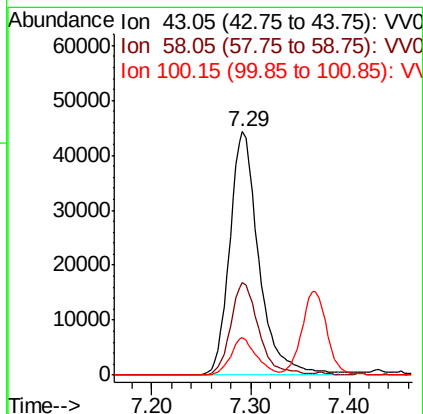
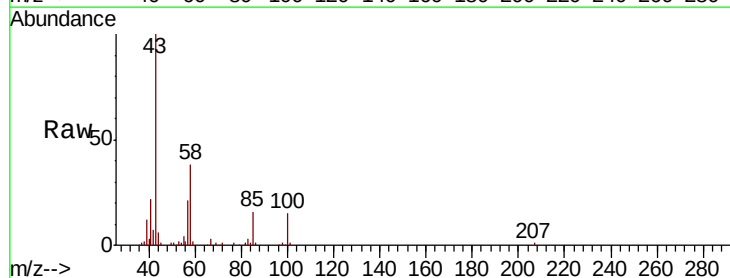
Tot Ion: 75 Resp: 21276
 Ion Ratio Lower Upper
 75 100
 77 35.8 22.0 40.8

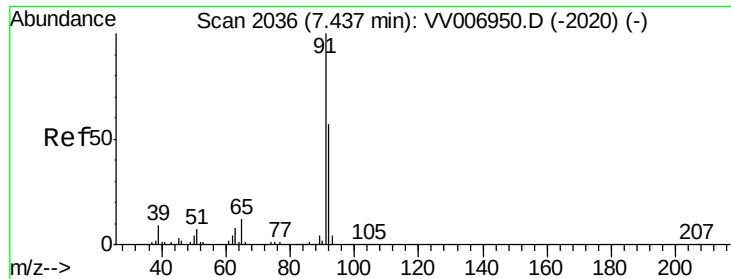


#40

4-Methyl-2-pentanone
 Concen: 8.277 ug/L
 RT: 7.29 min Scan# 1991
 Delta R.T. 0.00 min
 Lab File: VV006949.D
 Acq: 09 Aug 2018 13:17

Tgt Ion: 43 Resp: 90700
 Ion Ratio Lower Upper
 43 100
 58 36.7 30.7 46.1
 100 13.8 11.2 16.8





#42

Toluene

Concen: 0.865 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV006949.D

Acq: 09 Aug 2018 13:17

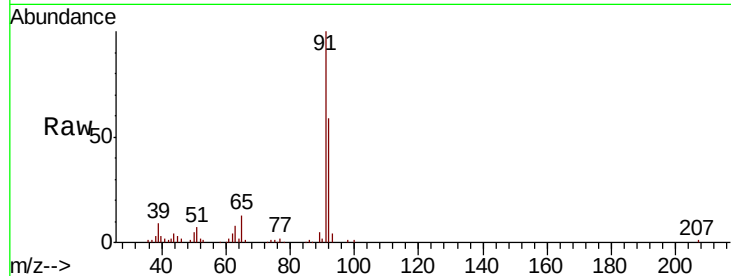
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 61614

Ion Ratio Lower Upper

91 100

92 59.4 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV006949.D (-1943) (-)

Ion 92.15 (91.85 to 92.85): VV006949.D (-1943) (-)

7.44

40000

30000

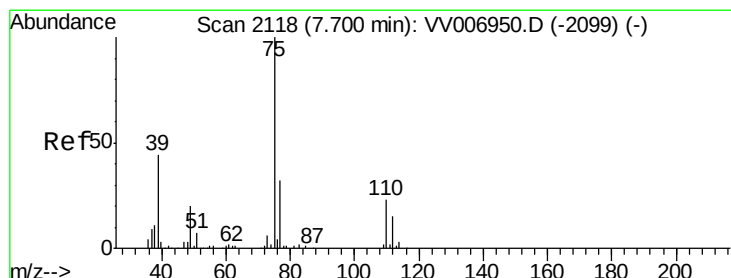
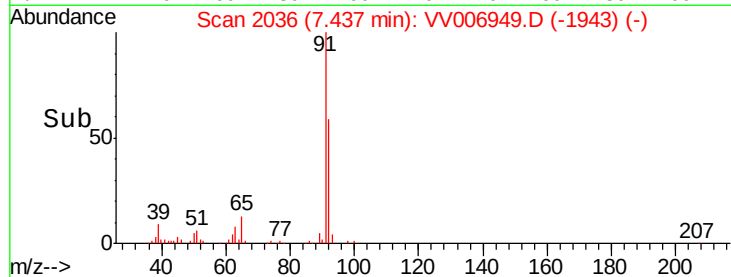
20000

10000

0

Time-->

7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 0.919 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV006949.D

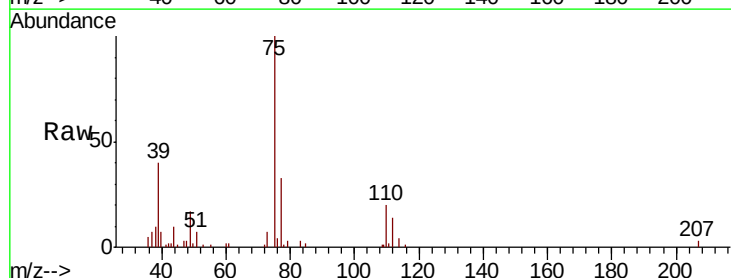
Acq: 09 Aug 2018 13:17

Tgt Ion: 75 Resp: 18489

Ion Ratio Lower Upper

75 100

77 32.8 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV006949.D (-2025) (-)

Ion 77.05 (76.75 to 77.75): VV006949.D (-2025) (-)

7.70

12000

10000

8000

6000

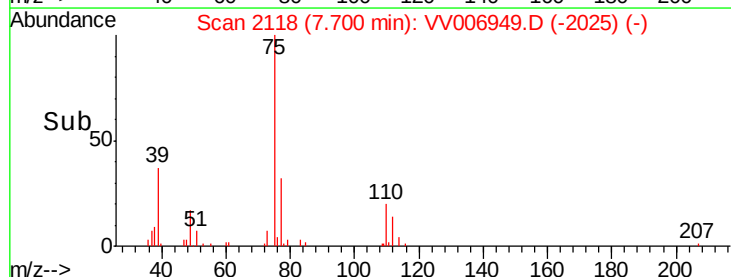
4000

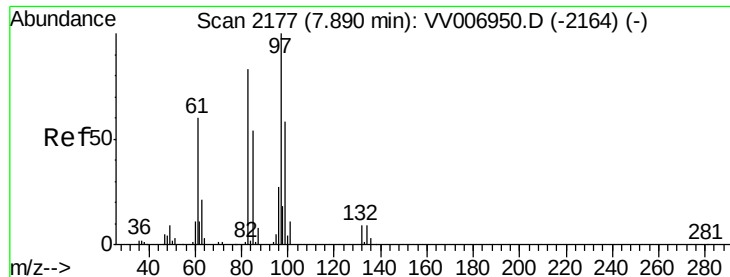
2000

0

Time-->

7.60 7.65 7.70 7.75 7.80

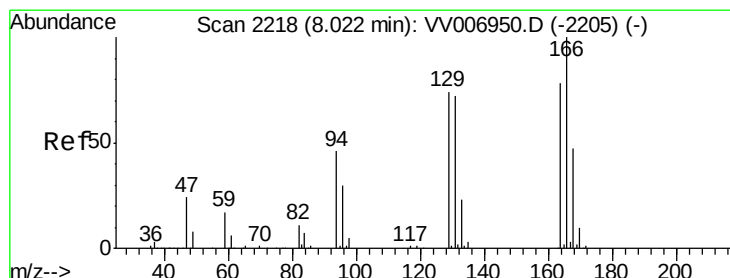
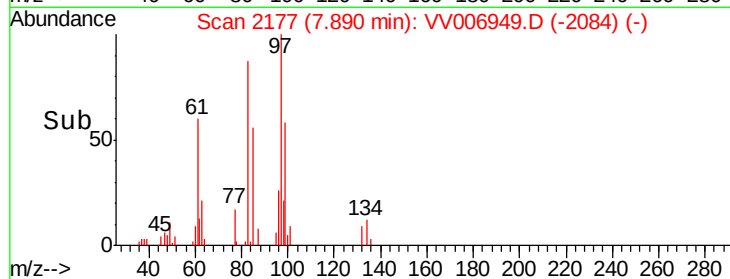
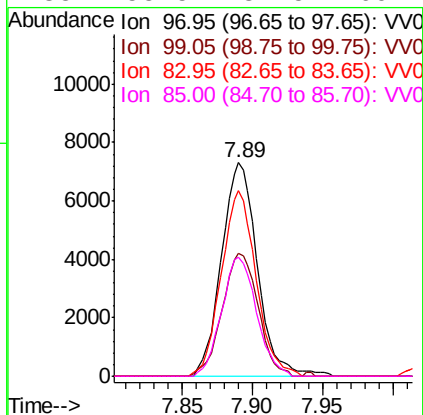
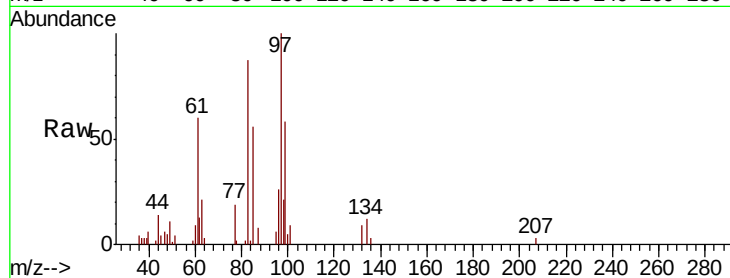




#45
 1,1,2-Trichloroethane
 Concen: 0.984 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV006949.D
 Acq: 09 Aug 2018 13:17

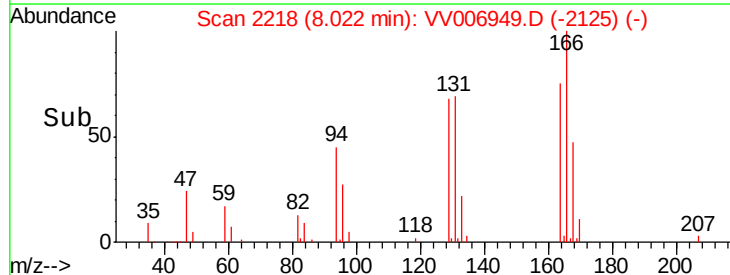
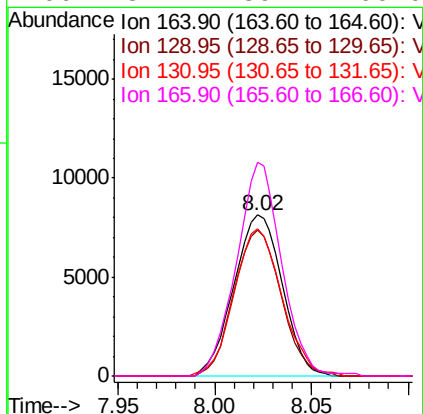
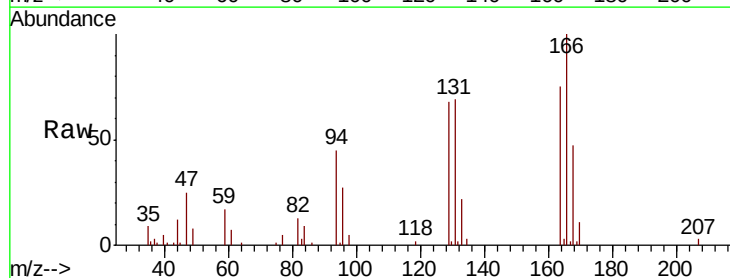
Instrument :
 MSVOA_V
 ClientSampled :

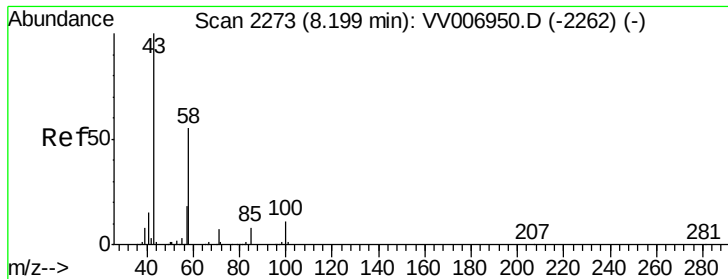
Tot Ion:	97	Resp:	12988
Ion	Ratio	Lower	Upper
97	100		
99	57.8	40.6	75.4
83	86.9	58.0	107.8
85	55.5	37.5	69.7



#47
 Tetrachloroethene
 Concen: 0.983 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV006949.D
 Acq: 09 Aug 2018 13:17

Tgt Ion:	164	Resp:	14169
Ion	Ratio	Lower	Upper
164	100		
129	90.3	65.9	122.3
131	91.8	64.2	119.2
166	132.7	89.4	166.0

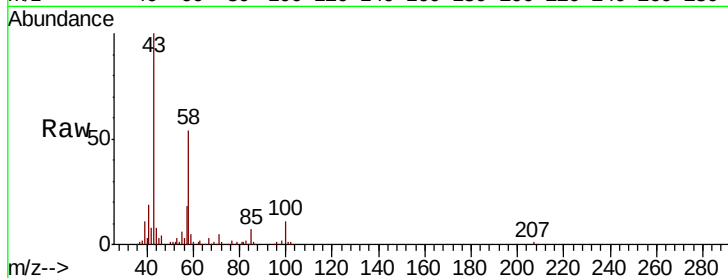




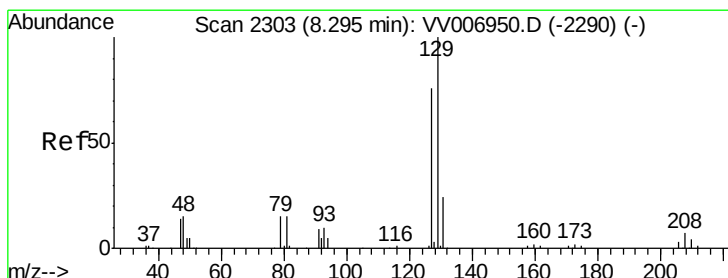
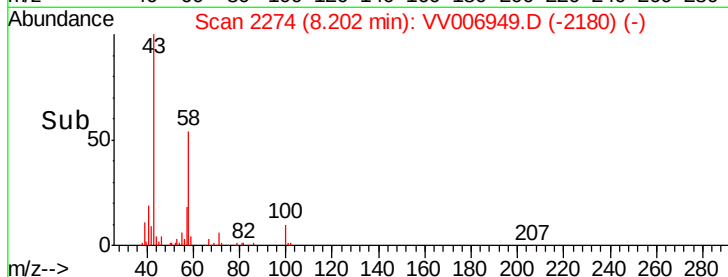
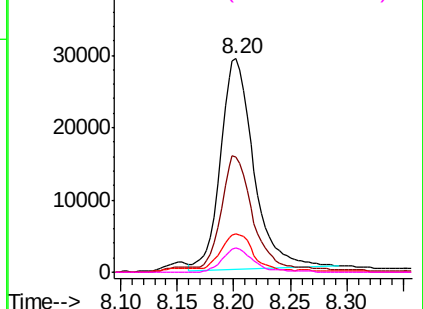
#48
2-Hexanone
Concen: 7.688 ug/L
RT: 8.20 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV006949.D
Acq: 09 Aug 2018 13:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 59413
Ion Ratio Lower Upper
43 100
58 50.0 44.2 66.2
57 17.8 14.8 22.2
100 10.3 8.8 13.2

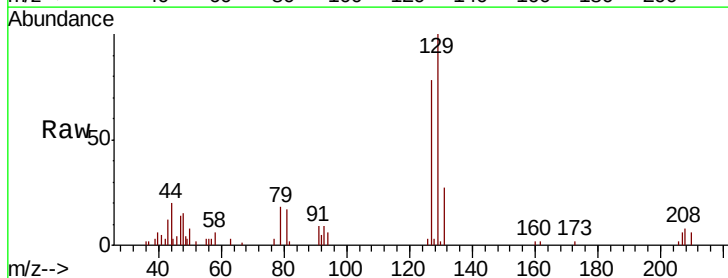


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

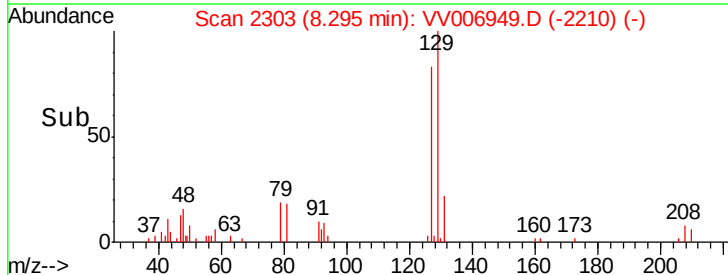
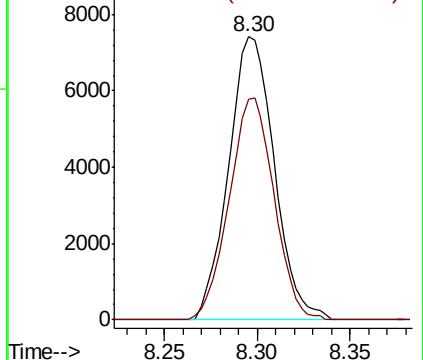


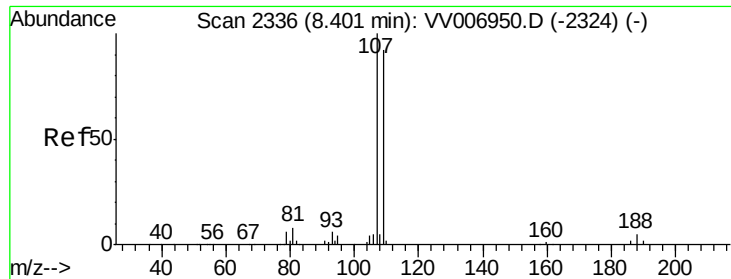
#49
Dibromochloromethane
Concen: 0.917 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006949.D
Acq: 09 Aug 2018 13:17

Tgt Ion: 129 Resp: 12693
Ion Ratio Lower Upper
129 100
127 78.0 53.3 98.9



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

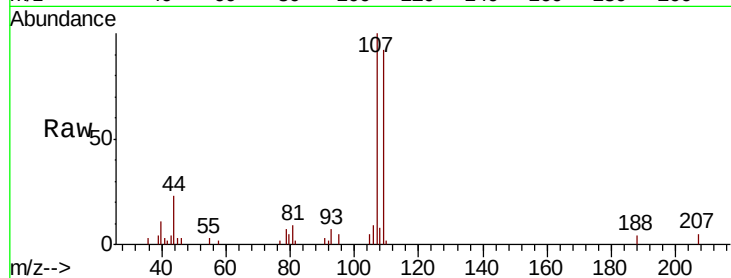




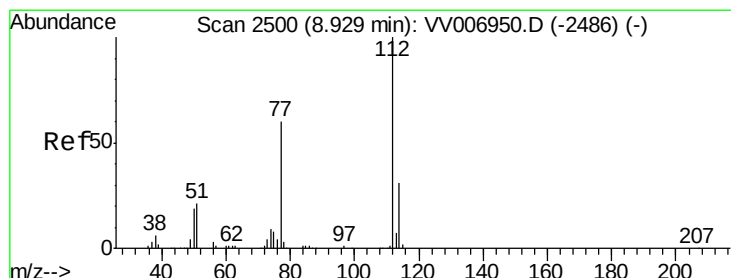
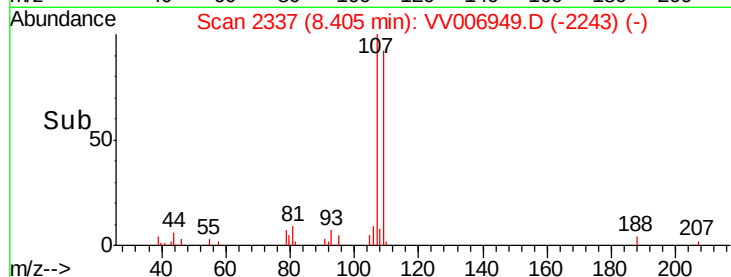
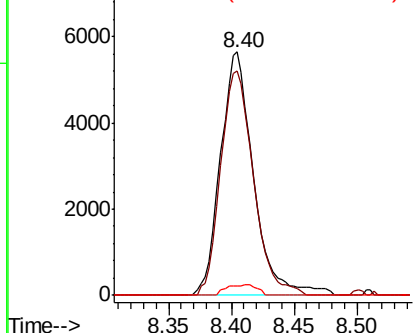
#50
1,2-Dibromoethane
Concen: 0.926 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV006949.D
Acq: 09 Aug 2018 13:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 10325
Ion Ratio Lower Upper
107 100
109 92.4 64.1 119.1
188 3.7 4.0 6.0#

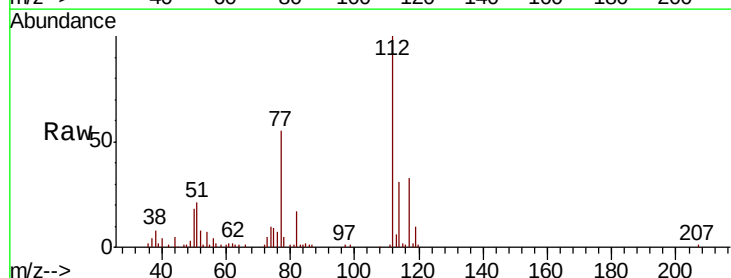


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

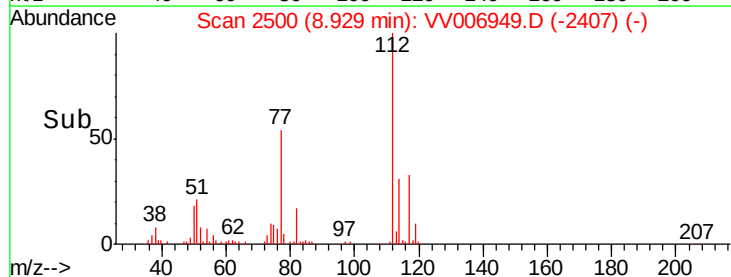
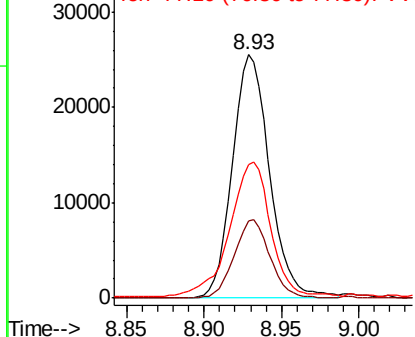


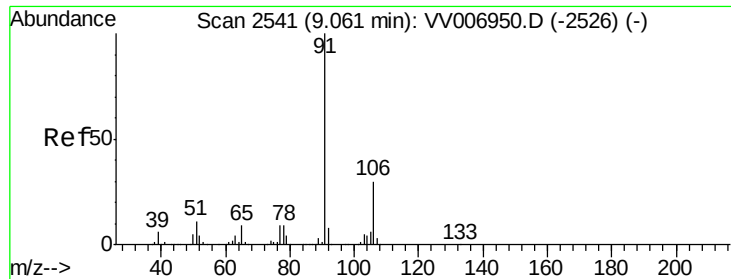
#51
Chlorobenzene
Concen: 0.939 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006949.D
Acq: 09 Aug 2018 13:17

Tgt Ion:112 Resp: 42608
Ion Ratio Lower Upper
112 100
114 31.5 21.8 40.6
77 54.6 48.0 72.0



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.821 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006949.D

Acq: 09 Aug 2018 13:17

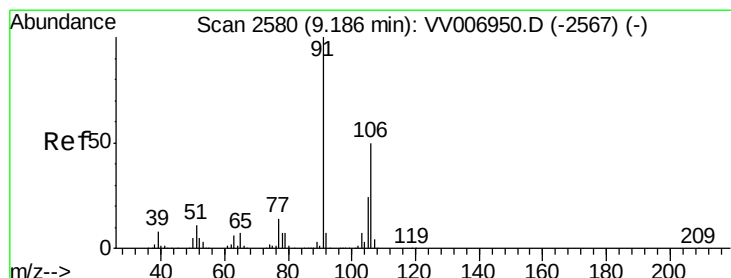
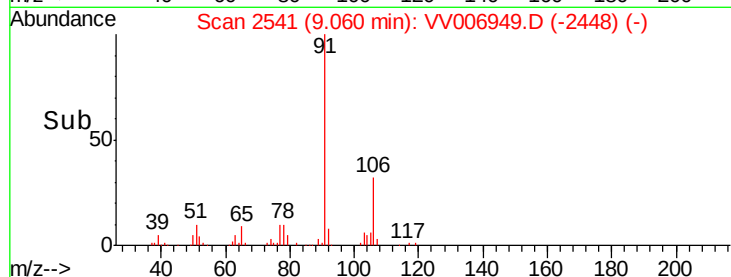
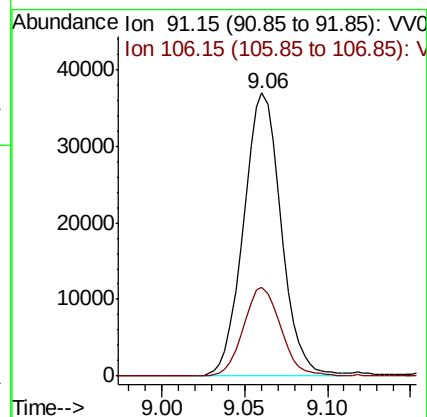
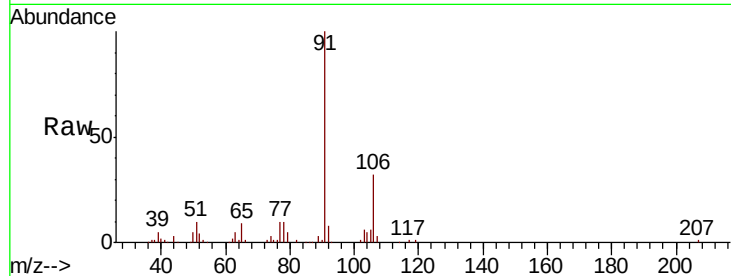
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 58386

Ion Ratio Lower Upper

91 100

106 31.6 21.3 39.5



#53

m,p-xylene

Concen: 0.803 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006949.D

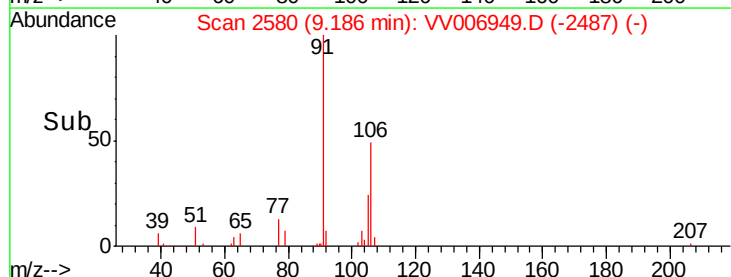
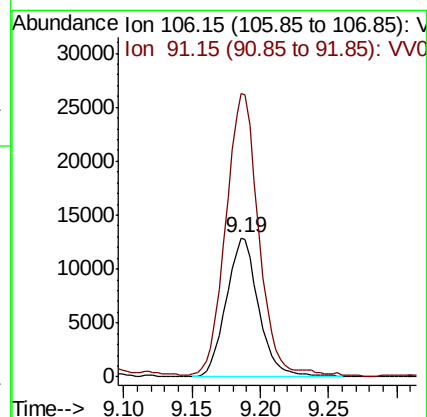
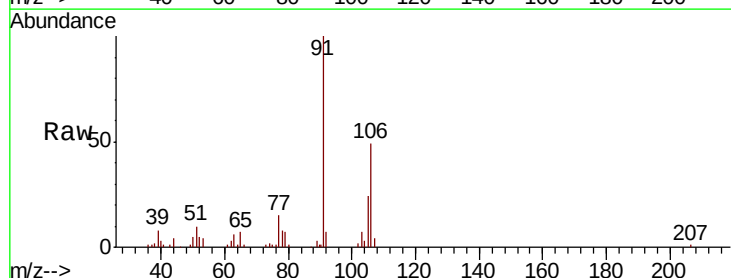
Acq: 09 Aug 2018 13:17

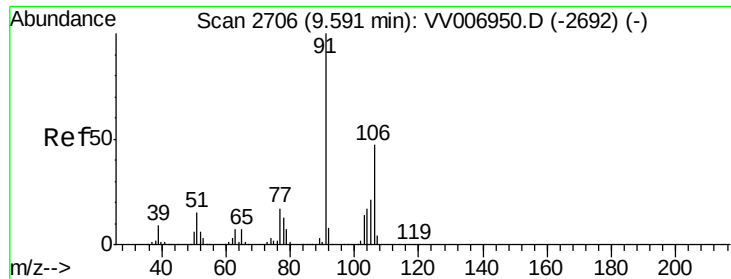
Tgt Ion: 106 Resp: 21280

Ion Ratio Lower Upper

106 100

91 204.1 141.6 263.0





#54

o-xylene

Concen: 0.810 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006949.D

Acq: 09 Aug 2018 13:17

Instrument :

MSVOA_V

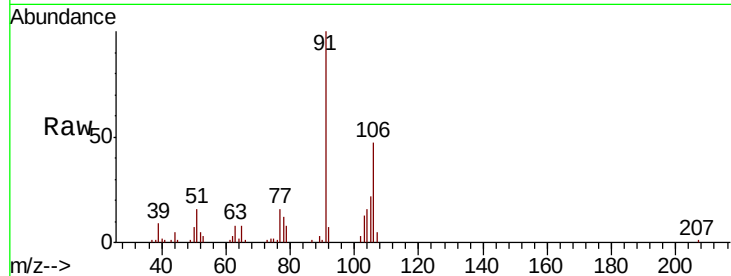
ClientSampled :

Tot Ion:106 Resp: 20342

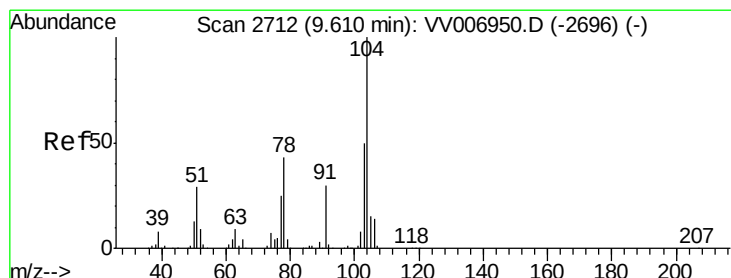
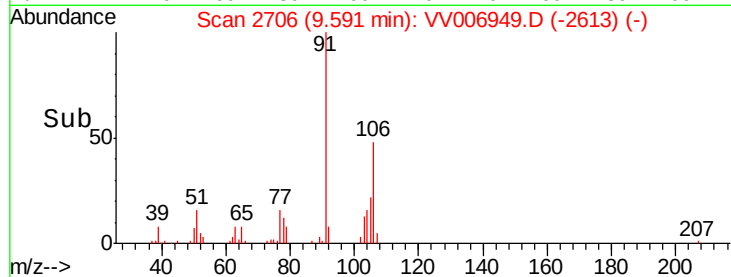
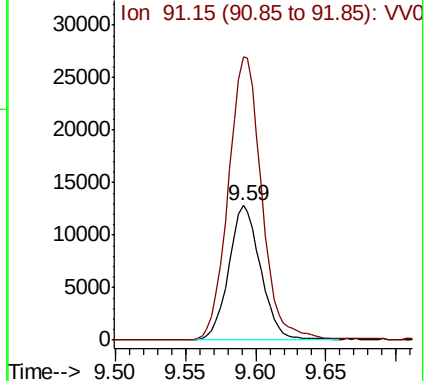
Ion Ratio Lower Upper

106 100

91 210.8 149.8 278.2



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 0.753 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VV006949.D

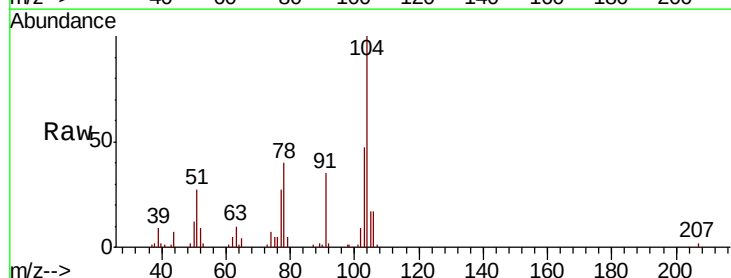
Acq: 09 Aug 2018 13:17

Tgt Ion:104 Resp: 31869

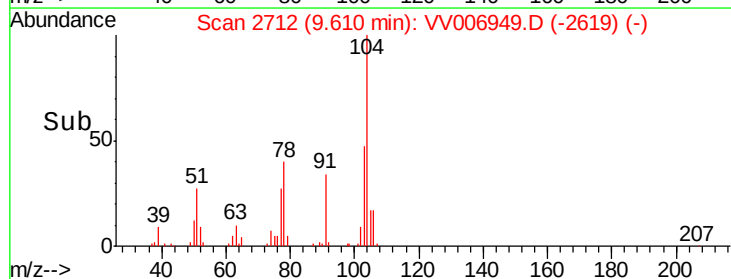
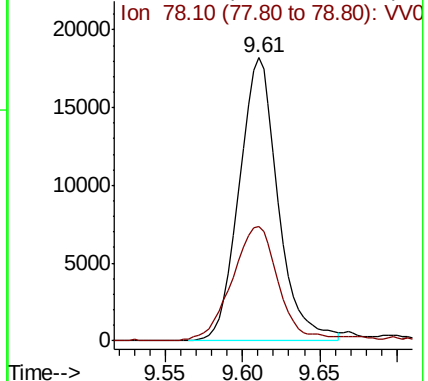
Ion Ratio Lower Upper

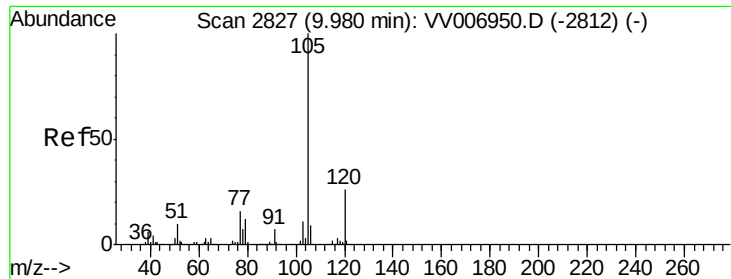
104 100

78 40.5 30.4 56.5



Abundance Ion 104.10 (103.80 to 104.80): V





#56

Isopropylbenzene

Concen: 0.820 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006949.D

Acq: 09 Aug 2018 13:17

Instrument :

MSVOA_V

ClientSampleId :

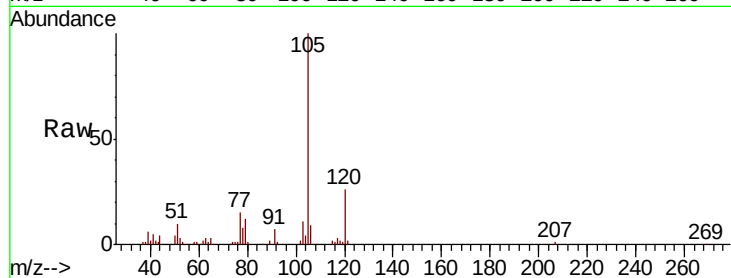
Tot Ion:105 Resp: 54047

Ion Ratio Lower Upper

105 100

120 25.9 21.1 31.7

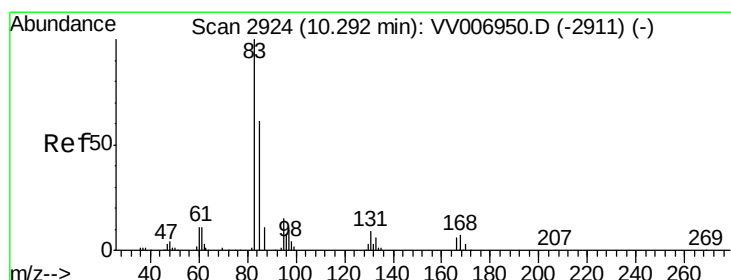
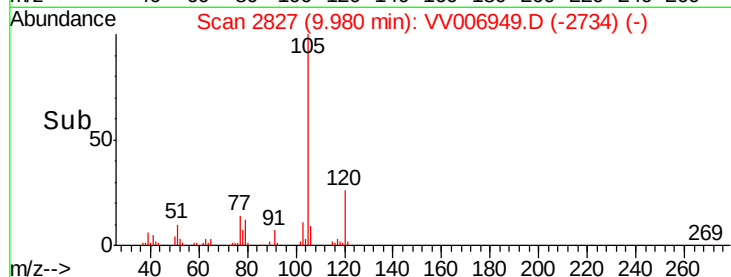
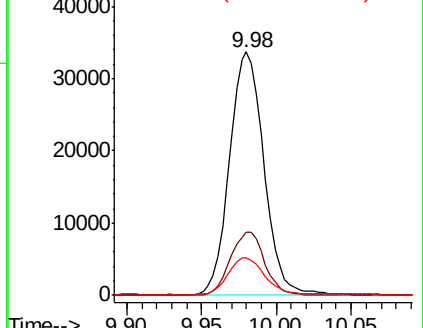
77 16.4 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.896 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006949.D

Acq: 09 Aug 2018 13:17

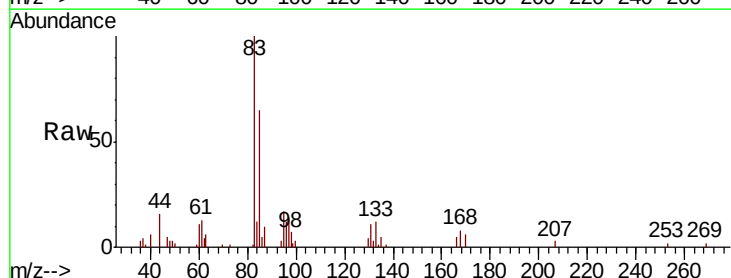
Tgt Ion: 83 Resp: 14374

Ion Ratio Lower Upper

83 100

85 65.3 43.0 79.8

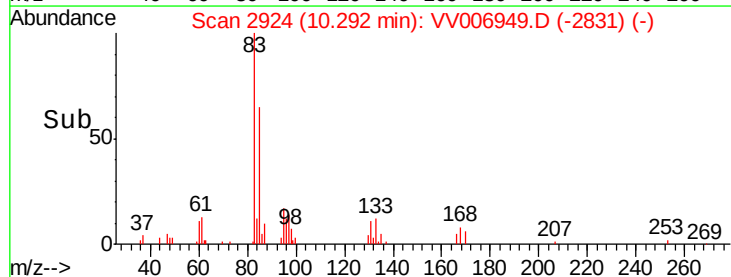
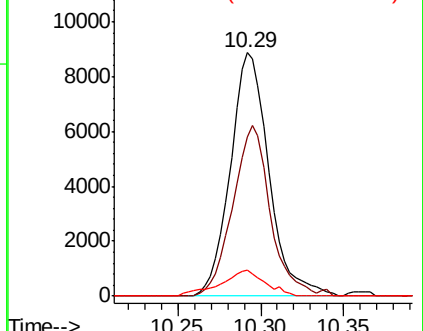
131 10.7 7.4 11.2

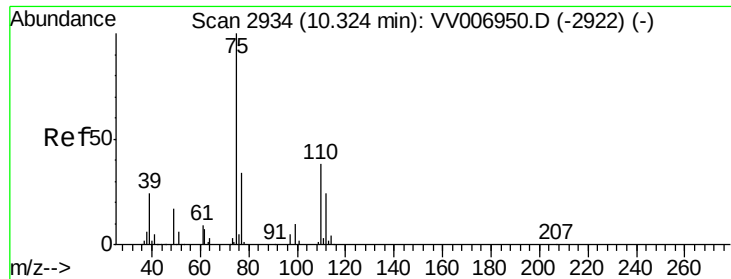


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.943 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV006949.D

Acq: 09 Aug 2018 13:17

Instrument :

MSVOA_V

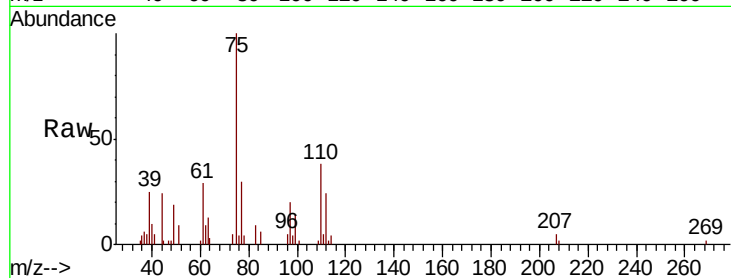
ClientSampleId :

Tot Ion: 75 Resp: 10703

Ion Ratio Lower Upper

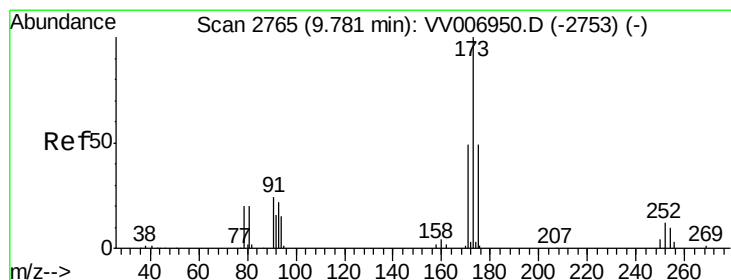
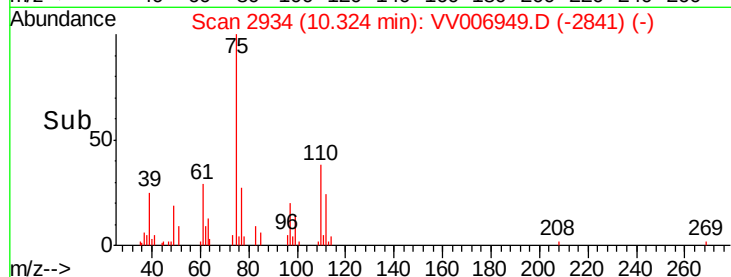
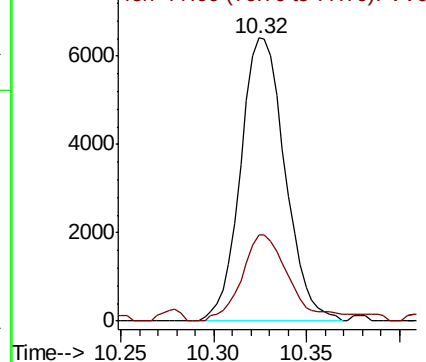
75 100

77 33.4 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#61

Bromoform

Concen: 0.979 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV006949.D

Acq: 09 Aug 2018 13:17

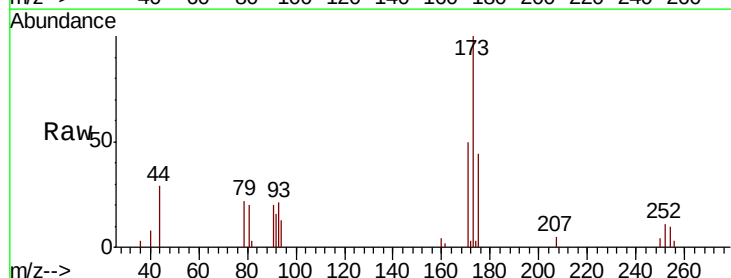
Tgt Ion: 173 Resp: 6711

Ion Ratio Lower Upper

173 100

175 52.9 39.3 58.9

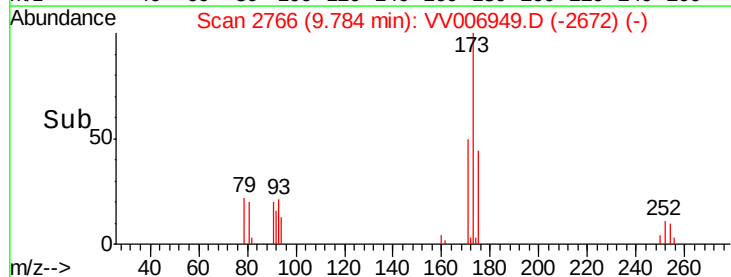
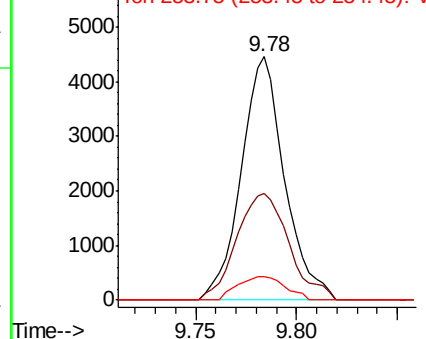
254 10.6 8.3 12.5

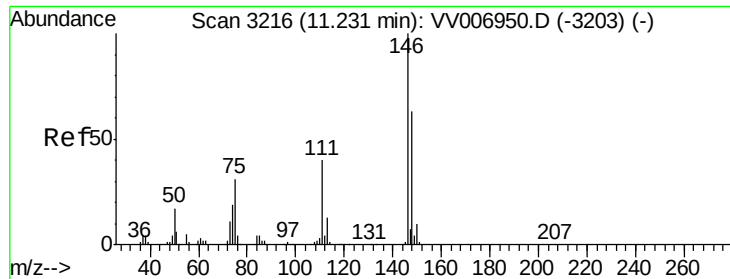


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 0.964 ug/L

RT: 11.23 min Scan# 3217

Delta R.T. 0.00 min

Lab File: VV006949.D

Acq: 09 Aug 2018 13:17

Instrument :

MSVOA_V

ClientSampled :

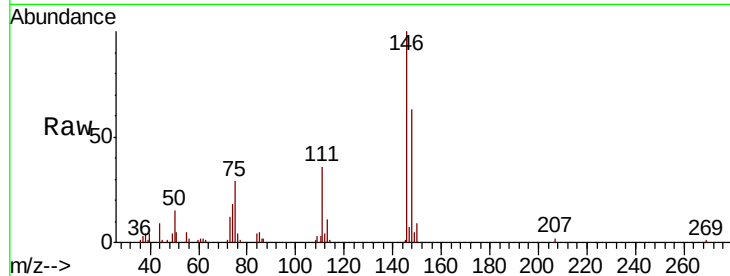
Tot Ion:146 Resp: 28238

Ion Ratio Lower Upper

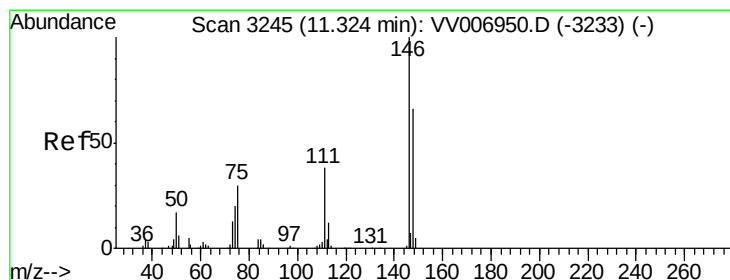
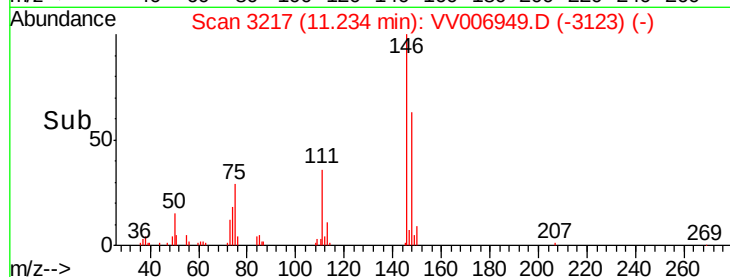
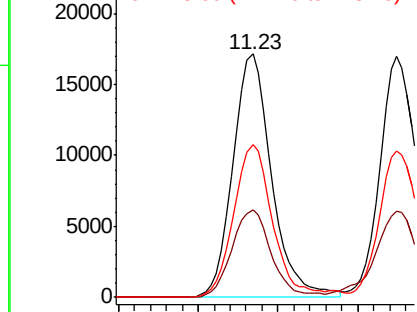
146 100

111 35.7 28.1 52.3

148 62.8 44.2 82.2



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



#63

1,4-Dichlorobenzene

Concen: 0.958 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV006949.D

Acq: 09 Aug 2018 13:17

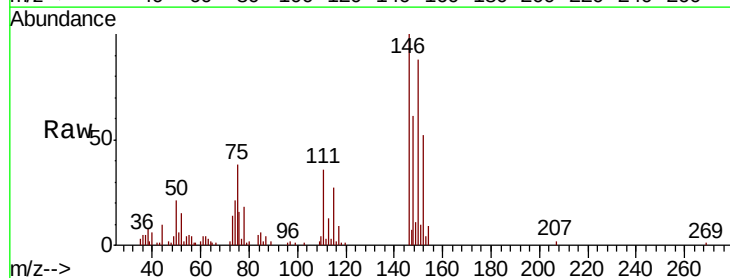
Tgt Ion:146 Resp: 28770

Ion Ratio Lower Upper

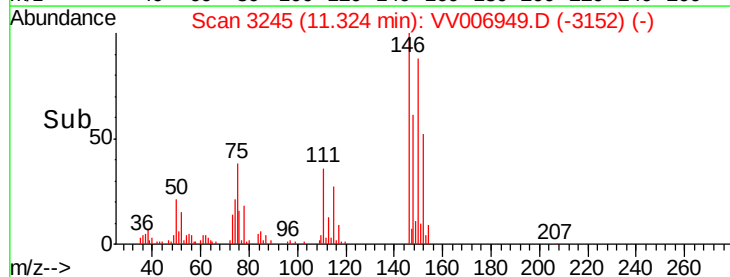
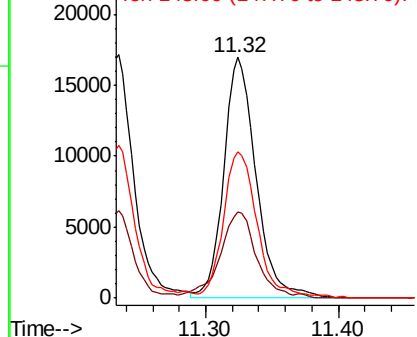
146 100

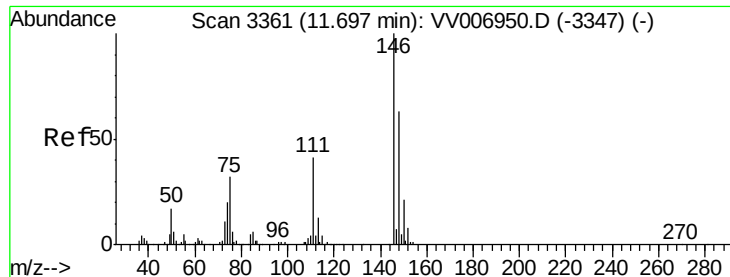
111 35.6 26.6 49.4

148 60.5 46.4 86.2



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

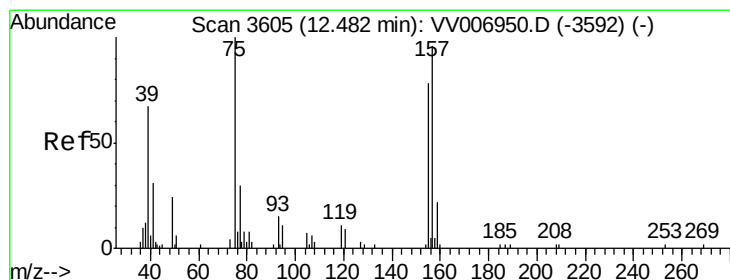
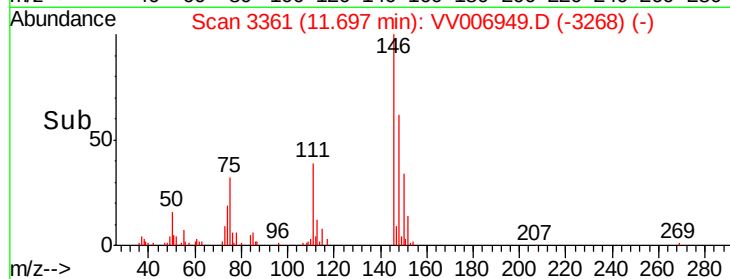
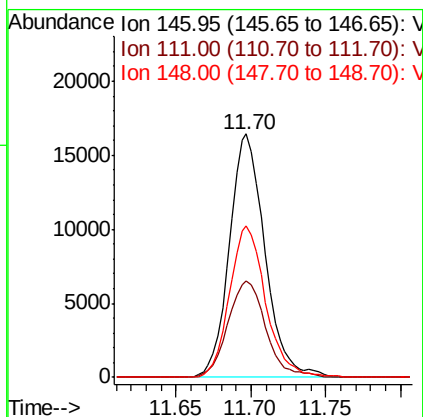
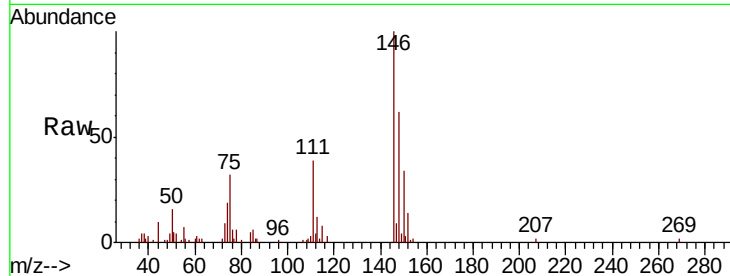




#65
 1,2-Dichlorobenzene
 Concen: 0.942 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. -0.00 min
 Lab File: VV006949.D
 Acq: 09 Aug 2018 13:17

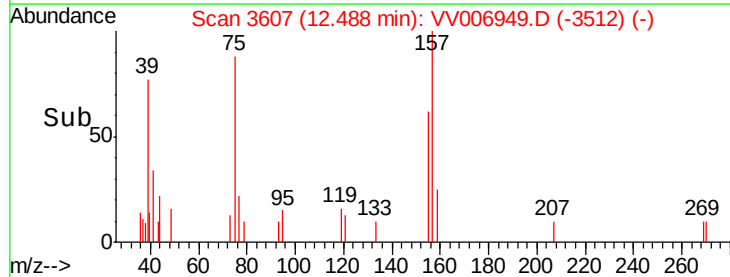
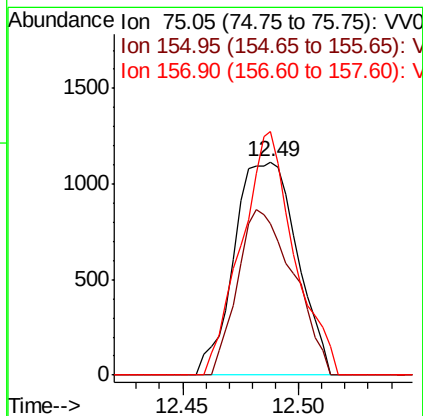
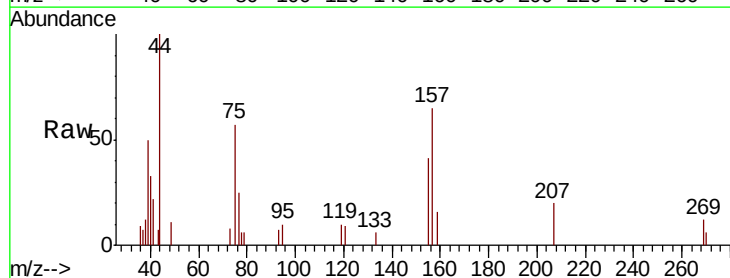
Instrument :
 MSVOA_V
 ClientSampled :

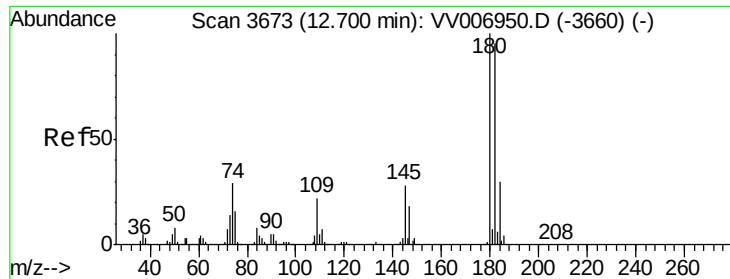
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	33.0	49.6
148	62.2	50.6	75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.025 ug/L
 RT: 12.49 min Scan# 3607
 Delta R.T. 0.01 min
 Lab File: VV006949.D
 Acq: 09 Aug 2018 13:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.2	62.6	94.0
157	114.1	77.0	115.6

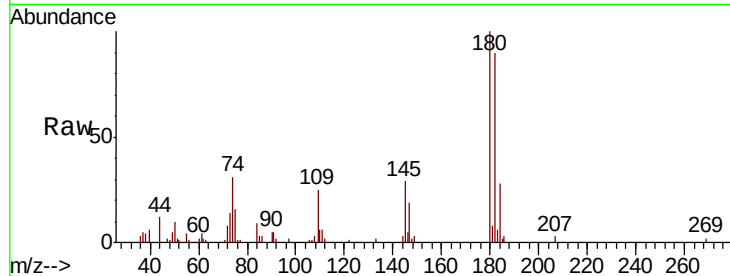




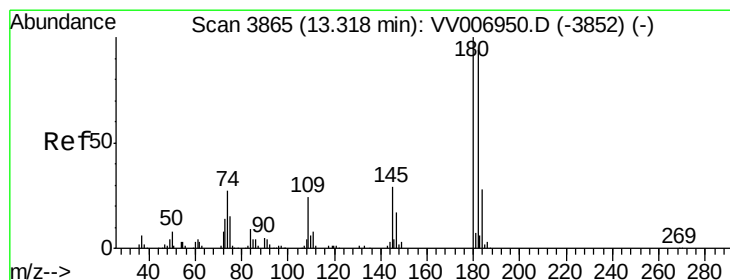
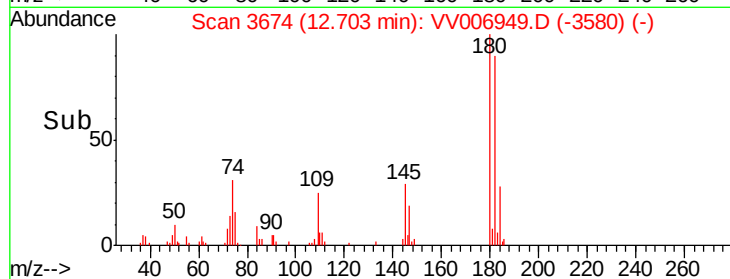
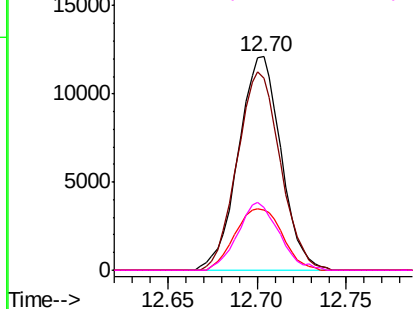
#67
 1,3,5-Trichlorobenzene
 Concen: 0.914 ug/L
 RT: 12.70 min Scan# 3674
 Delta R.T. 0.00 min
 Lab File: VV006949.D
 Acq: 09 Aug 2018 13:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	20268
Ion	Ratio	Lower Upper
180	100	
182	93.8	75.1 112.7
184	31.8	23.8 35.8
145	30.7	21.9 32.9

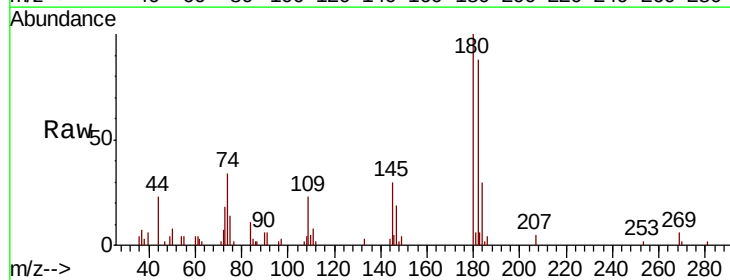


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

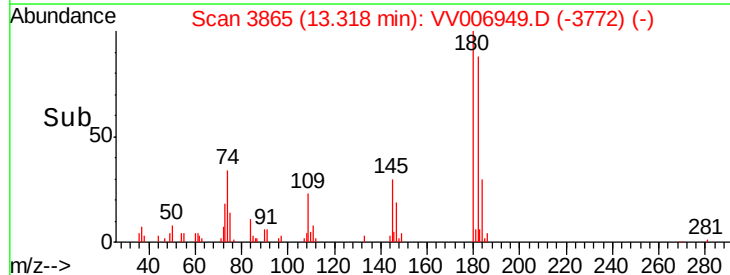
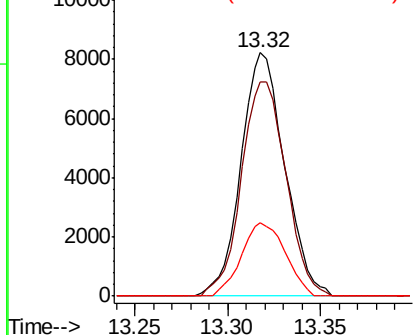


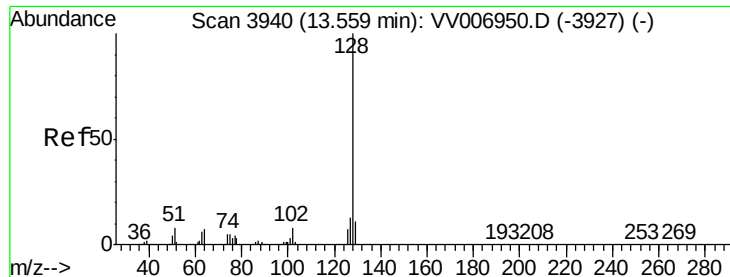
#68
 1,2,4-trichlorobenzene
 Concen: 0.828 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV006949.D
 Acq: 09 Aug 2018 13:17

Tgt Ion:180	Resp:	13468
Ion	Ratio	Lower Upper
180	100	
182	89.9	76.5 114.7
145	30.2	23.6 35.4



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: 0.744 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV006949.D

Acq: 09 Aug 2018 13:17

Instrument :

MSVOA_V

ClientSampled :

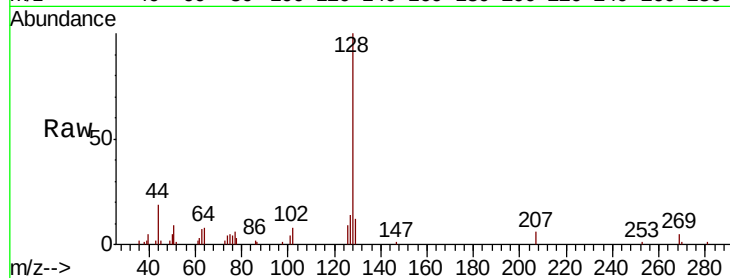
Tot Ion:128 Resp: 17372

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

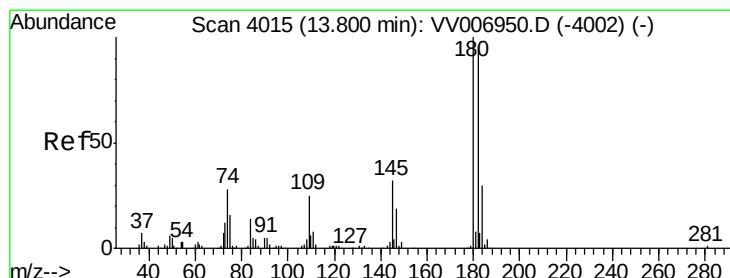
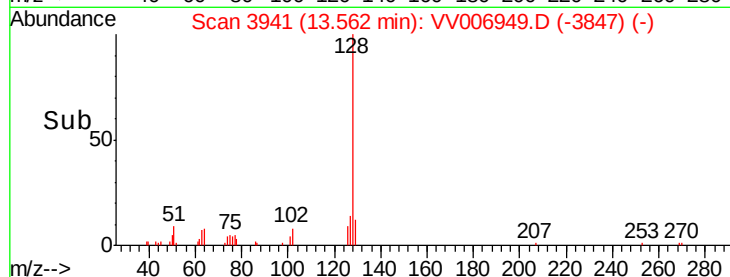
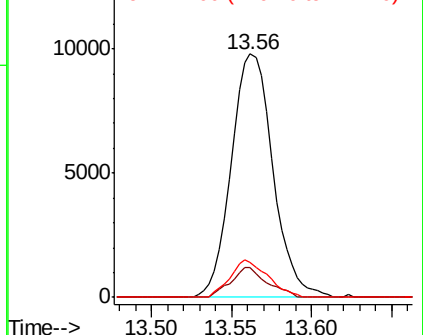
127 13.8 10.6 16.0



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: 0.855 ug/L

RT: 13.80 min Scan# 4016

Delta R.T. 0.00 min

Lab File: VV006949.D

Acq: 09 Aug 2018 13:17

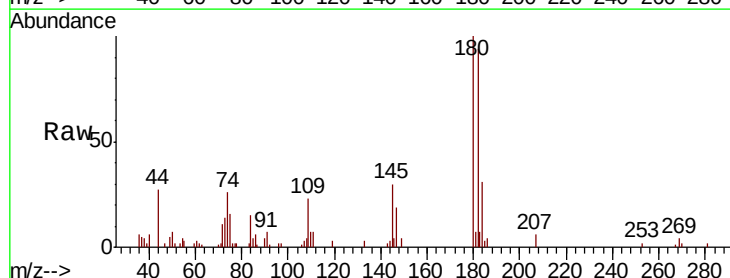
Tgt Ion:180 Resp: 13416

Ion Ratio Lower Upper

180 100

182 93.1 76.1 114.1

145 30.9 24.6 36.8



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

