

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080818\
 Data File : VV006930.D
 Acq On : 08 Aug 2018 10:33
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 09 06:54:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 08 07:06:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	229574	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	219348	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	99748	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	75850	5.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.20%
7) Chloroethane-d5	1.58	69	60895	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.13	63	139001	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.20%
20) 2-Butanone-d5	3.97	46	180296	41.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.10%
24) Chloroform-d	4.40	84	133434	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.09	65	68174	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	5.10	84	258434	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.12	67	87063	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.20%
41) Toluene-d8	7.36	98	236222	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
43) trans-1,3-Dichloropropene-	7.67	79	30121	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.15	63	104426	39.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.74%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	62490	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	73346	4.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	94715	5.089	ug/L	98
3) Chloromethane	1.25	50	98340	3.986	ug/L	99
5) Vinyl chloride	1.32	62	100085	4.638	ug/L	97
6) Bromomethane	1.54	94	24107	4.676	ug/L	98
8) Chloroethane	1.60	64	63283	4.654	ug/L	98
9) Trichlorofluoromethane	1.77	101	129753	4.932	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	79532	5.006	ug/L	95
12) 1,1-Dichloroethene	2.14	96	73134	4.816	ug/L	88
13) Acetone	2.21	43	125541	43.790	ug/L	99
14) Carbon disulfide	2.32	76	215384	4.616	ug/L	99
15) Methyl Acetate	2.47	43	32449	4.121	ug/L	94
16) Methylene chloride	2.54	84	84916	4.304	ug/L	95
17) Methyl tert-butyl Ether	2.82	73	185370	4.701	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	79623	4.828	ug/L	98
19) 1,1-Dichloroethane	3.23	63	147574	4.637	ug/L	98
21) 2-Butanone	4.06	43	234643	49.738	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	82101	4.976	ug/L	97

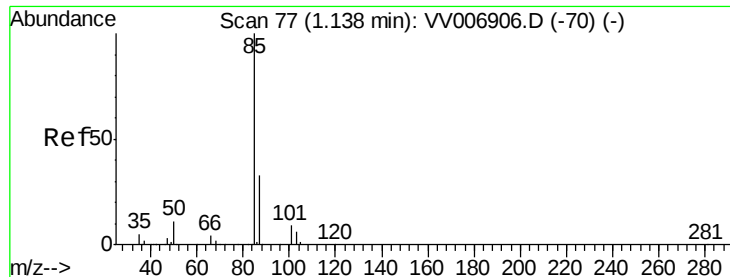
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080818\
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 QLast Update : Wed Aug 08 07:06:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	35007	5.156	ug/L	96
25) Chloroform	4.43	83	156203	5.055	ug/L	98
27) 1,2-Dichloroethane	5.19	62	95043	4.762	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	128669	4.948	ug/L	98
30) Cyclohexane	4.72	56	130556	5.035	ug/L	98
31) Carbon tetrachloride	4.88	117	108009	4.931	ug/L	97
33) Benzene	5.15	78	338351	5.002	ug/L	100
34) Trichloroethene	5.96	95	79572	5.056	ug/L	98
35) Methylcyclohexane	6.18	83	124887	5.111	ug/L	99
37) 1,2-Dichloropropane	6.23	63	92906	4.942	ug/L	100
38) Bromodichloromethane	6.56	83	105473	4.941	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	109529	5.095	ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	520358	49.563	ug/L	98
42) Toluene	7.43	91	336569	5.308	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	91406	5.060	ug/L	94
45) 1,1,2-Trichloroethane	7.89	97	58032	4.920	ug/L	99
47) Tetrachloroethene	8.02	164	65175	5.442	ug/L	97
48) 2-Hexanone	8.20	43	384371	52.358	ug/L	100
49) Dibromochloromethane	8.30	129	65061	5.213	ug/L	93
50) 1,2-Dibromoethane	8.40	107	51386	5.205	ug/L	95
51) Chlorobenzene	8.93	112	204385	5.296	ug/L	97
52) Ethylbenzene	9.06	91	325611	5.205	ug/L	100
53) m,p-xylene	9.19	106	119686	5.317	ug/L	95
54) o-xylene	9.59	106	113581	5.146	ug/L	99
55) Styrene	9.61	104	190519	5.316	ug/L	98
56) Isopropylbenzene	9.98	105	309184	5.392	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	73512	4.806	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	52400	4.885	ug/L	96
61) Bromoform	9.78	173	33695	4.713	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	145223	5.231	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	148070	5.402	ug/L	97
65) 1,2-Dichlorobenzene	11.70	146	145358	5.257	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	10428	4.324	ug/L #	91
67) 1,3,5-Trichlorobenzene	12.70	180	115112	5.517	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	80234	5.451	ug/L	94
69) Naphthalene	13.56	128	114244	4.956	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	79081	5.427	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.089 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

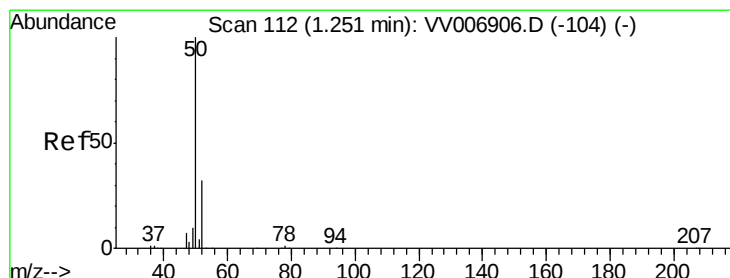
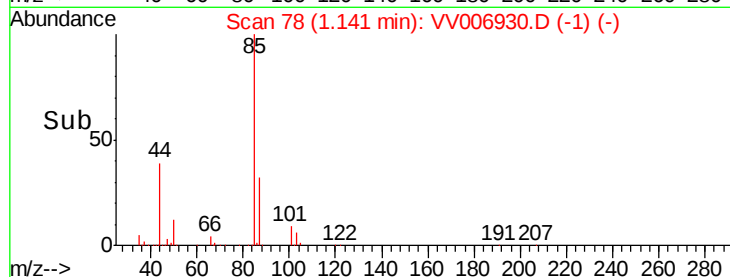
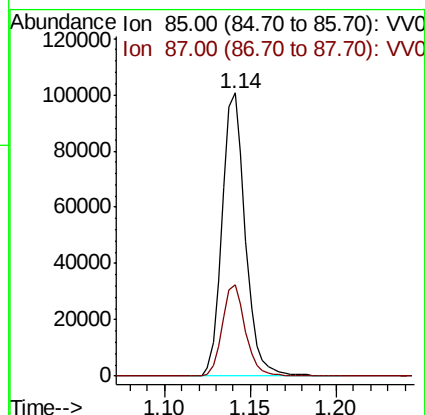
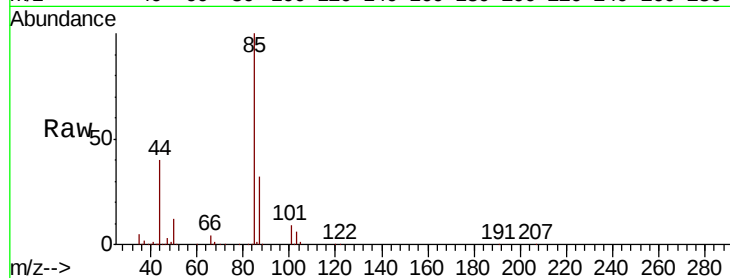
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 94715

Ion Ratio Lower Upper

85 100

87 32.1 26.8 40.2



#3

Chloromethane

Concen: 3.986 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV006930.D

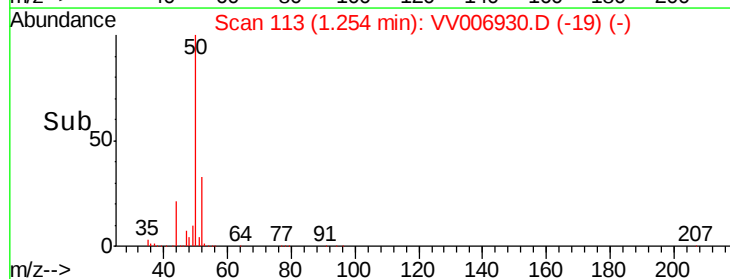
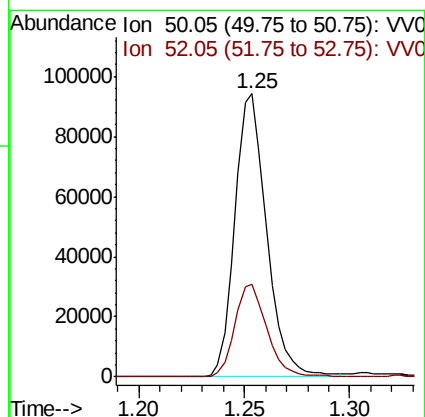
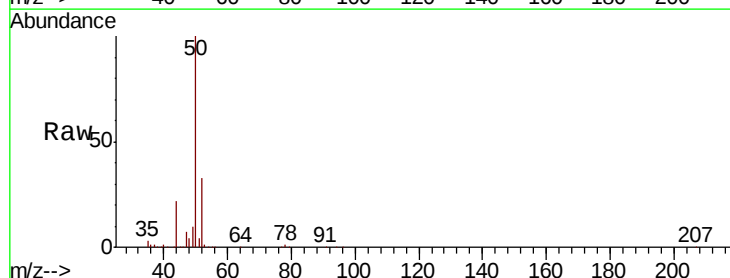
Acq: 08 Aug 2018 10:33

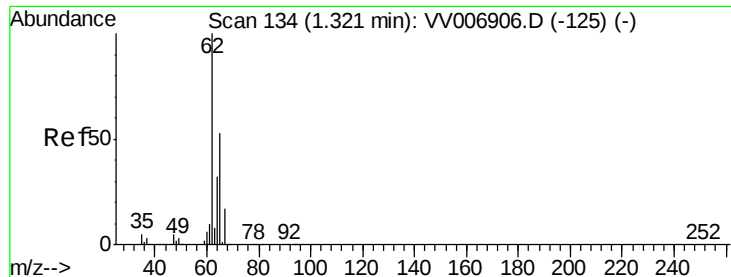
Tgt Ion: 50 Resp: 98340

Ion Ratio Lower Upper

50 100

52 32.5 22.3 41.3





#5

Vinyl chloride

Concen: 4.638 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

Instrument :

MSVOA_V

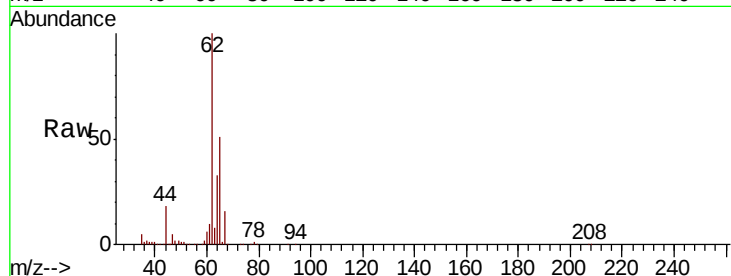
ClientSampled :

Tot Ion: 62 Resp: 100085

Ion Ratio Lower Upper

62 100

64 33.1 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV006930.D (-125) (-)

Ion 64.10 (63.80 to 64.80): VV006930.D (-125) (-)

1.32

100000

80000

60000

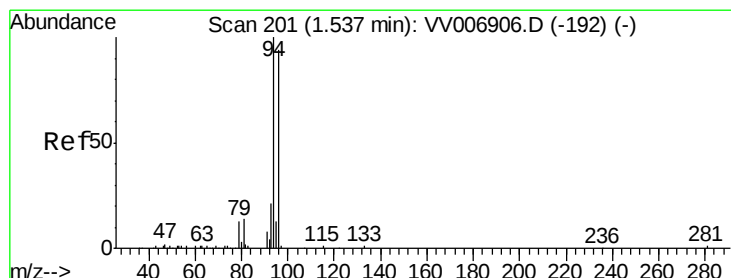
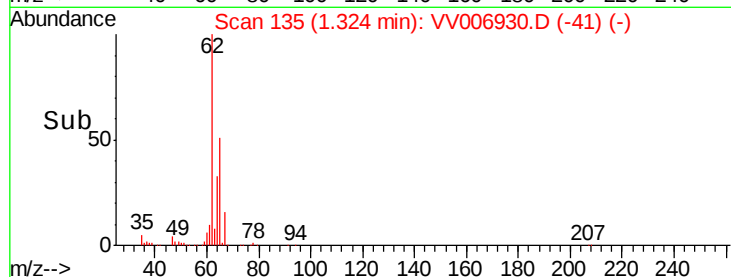
40000

20000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 4.676 ug/L

RT: 1.54 min Scan# 201

Delta R.T. -0.00 min

Lab File: VV006930.D

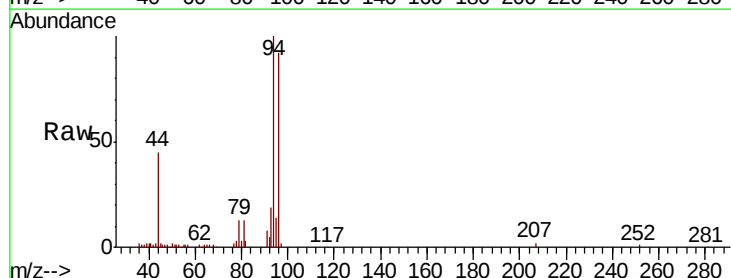
Acq: 08 Aug 2018 10:33

Tgt Ion: 94 Resp: 24107

Ion Ratio Lower Upper

94 100

96 92.2 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV006930.D (-192) (-)

Ion 96.00 (95.70 to 96.70): VV006930.D (-192) (-)

1.54

25000

20000

15000

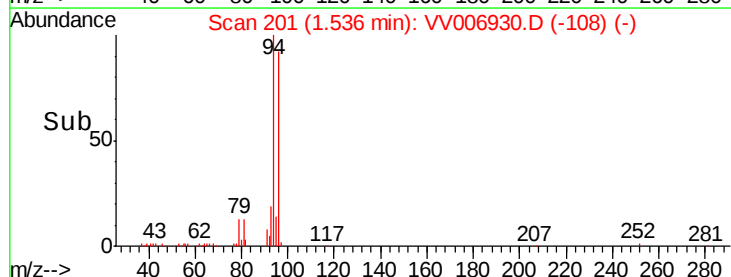
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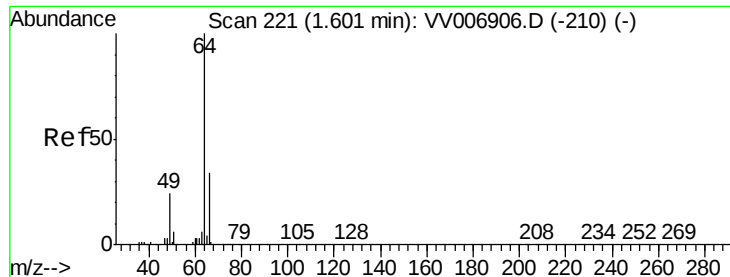
5000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 4.654 ug/L

RT: 1.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

Instrument :

MSVOA_V

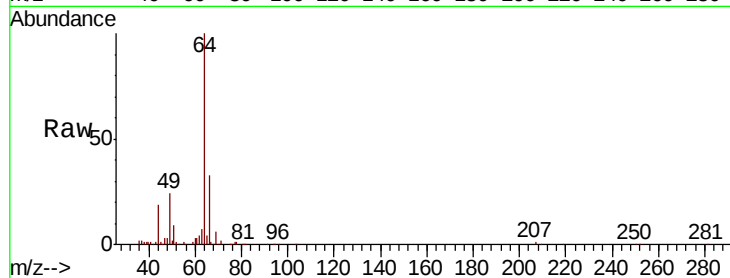
ClientSampleId :

Tot Ion: 64 Resp: 63283

Ion Ratio Lower Upper

64 100

66 33.2 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VV006930.D (-128) (-)

Ion 66.05 (65.75 to 66.75): VV006930.D (-128) (-)

1.60

60000

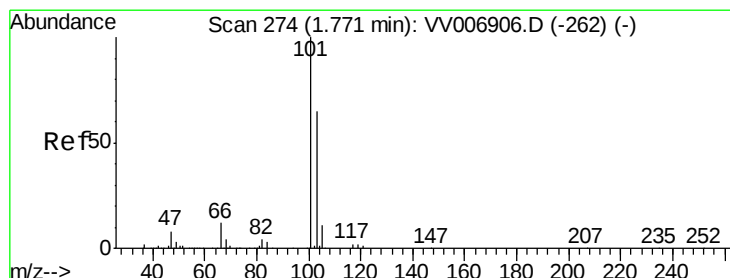
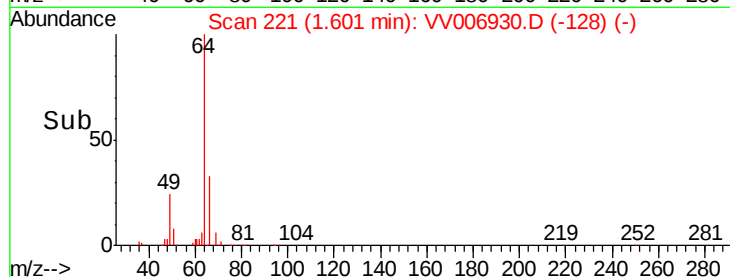
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 4.932 ug/L

RT: 1.77 min Scan# 274

Delta R.T. -0.00 min

Lab File: VV006930.D

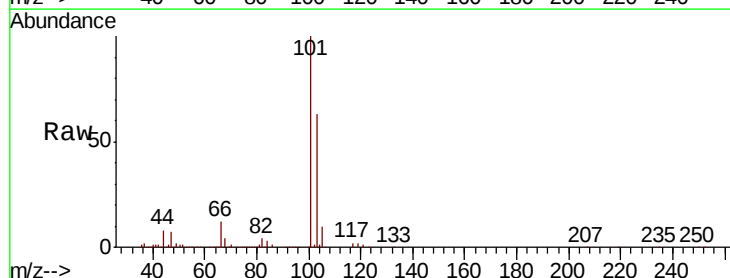
Acq: 08 Aug 2018 10:33

Tgt Ion:101 Resp: 129753

Ion Ratio Lower Upper

101 100

103 64.4 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV006930.D (-181) (-)

Ion 103.00 (102.70 to 103.70): VV006930.D (-181) (-)

1.77

120000

100000

80000

60000

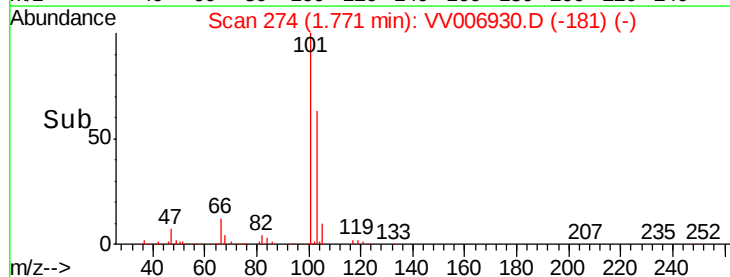
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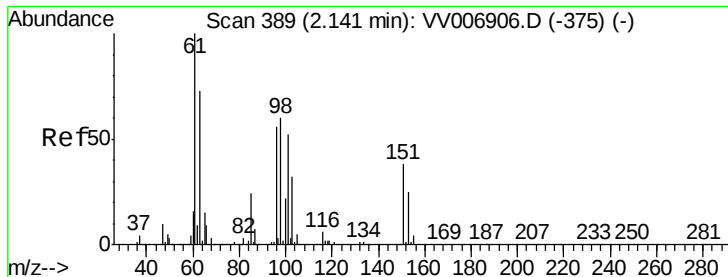
20000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 5.006 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

Instrument :

MSVOA_V

ClientSampleId :

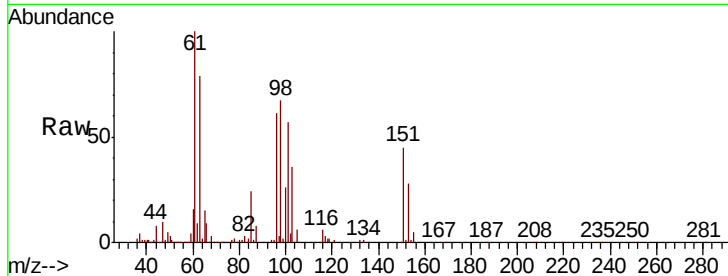
Tot Ion:101 Resp: 79532

Ion Ratio Lower Upper

101 100

85 41.9 36.2 54.4

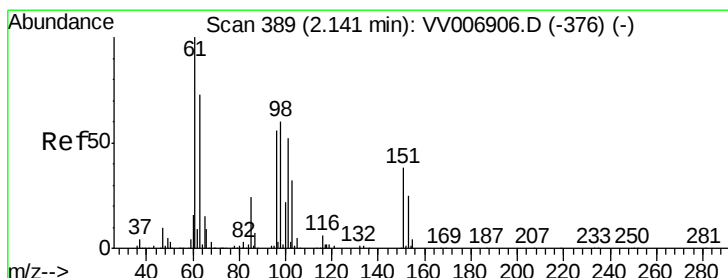
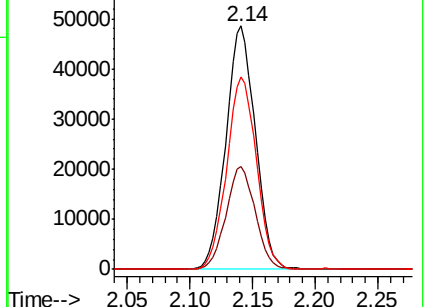
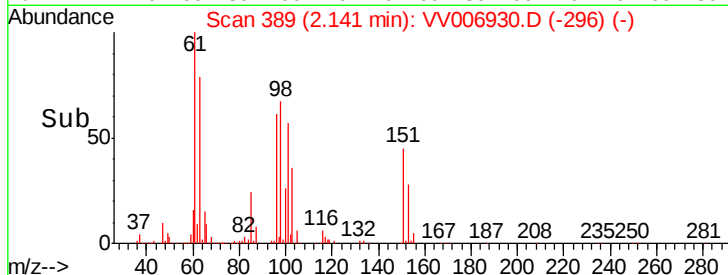
151 79.5 59.8 89.8



Abundance Ion 101.00 (100.70 to 101.70): VV006930.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV006930.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV006930.D (-296) (-)



#12

1,1-Dichloroethene

Concen: 4.816 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

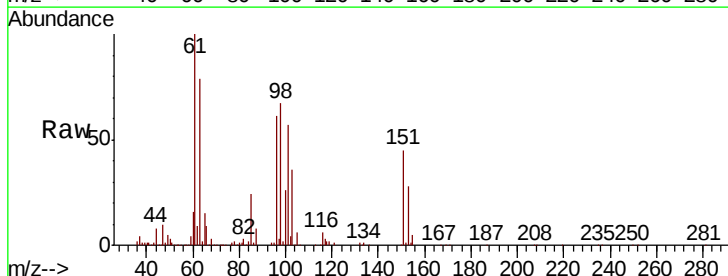
Tgt Ion: 96 Resp: 73134

Ion Ratio Lower Upper

96 100

61 164.6 119.0 221.0

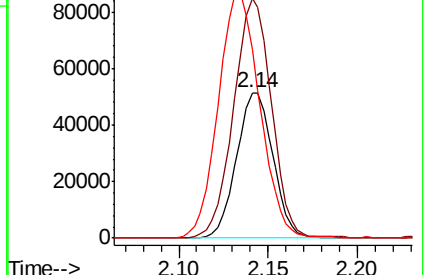
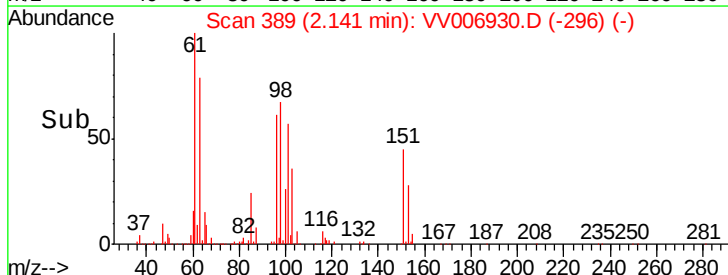
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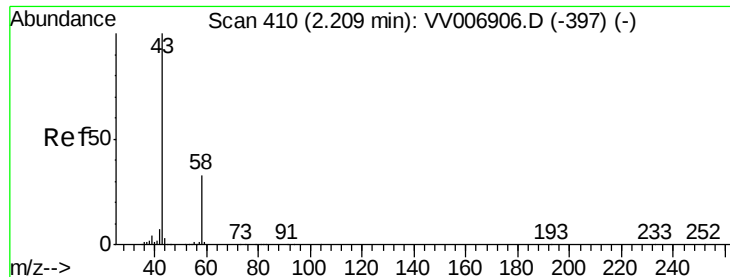


Abundance Ion 96.00 (95.70 to 96.70): VV006930.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VV006930.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VV006930.D (-296) (-)





#13

Acetone

Concen: 43.790 ug/L

RT: 2.21 min Scan# 412

Delta R.T. 0.01 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

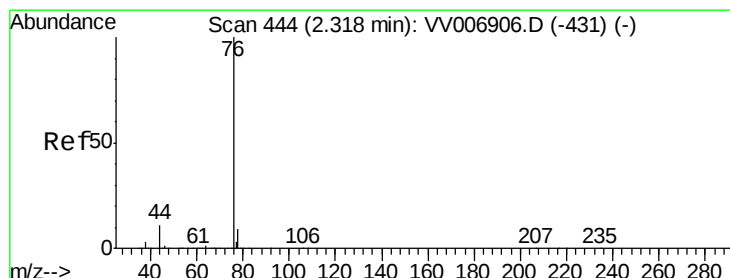
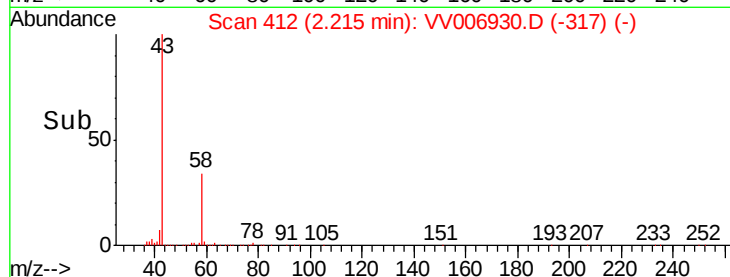
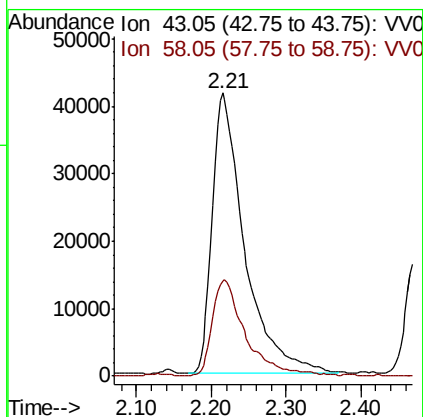
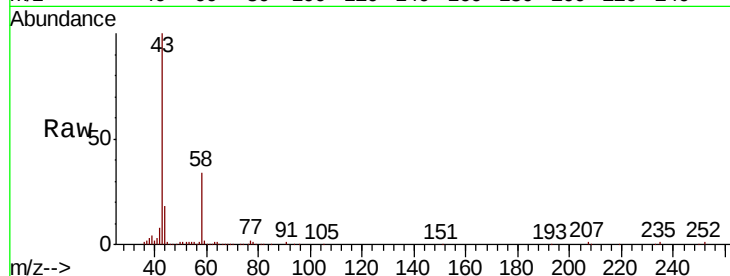
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 125541

Ion Ratio Lower Upper

43 100

58 34.5 0.0 68.0



#14

Carbon disulfide

Concen: 4.616 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006930.D

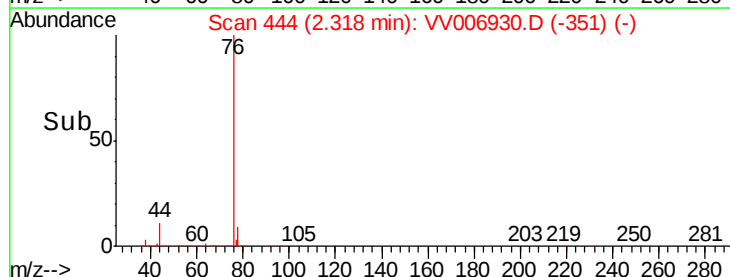
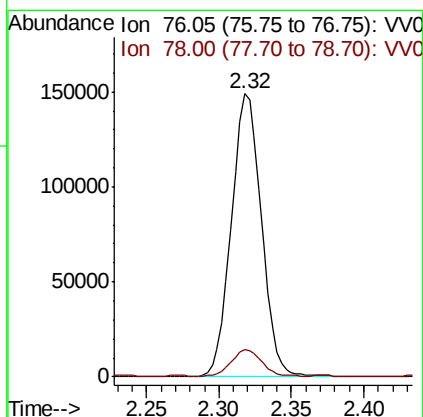
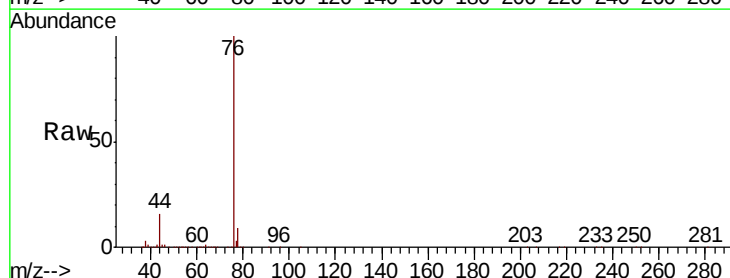
Acq: 08 Aug 2018 10:33

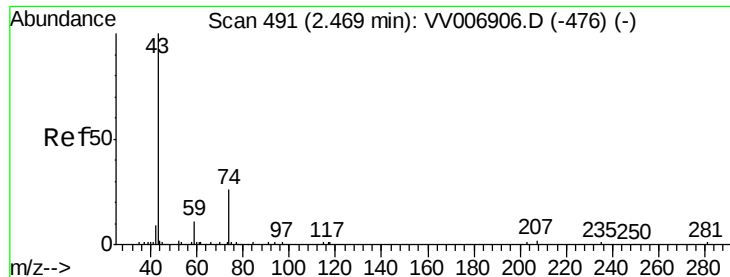
Tgt Ion: 76 Resp: 215384

Ion Ratio Lower Upper

76 100

78 9.5 7.8 11.6

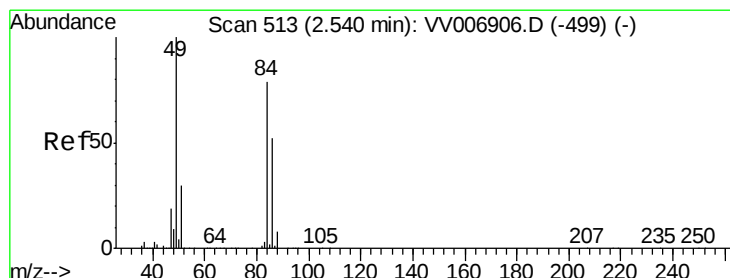
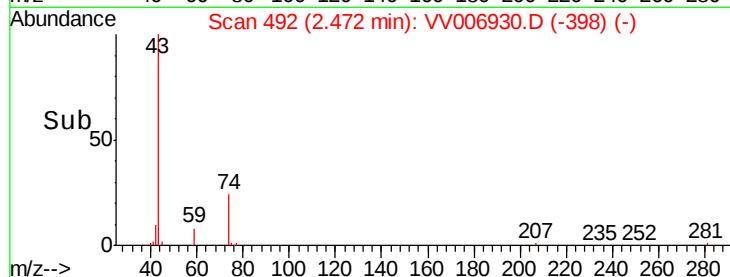
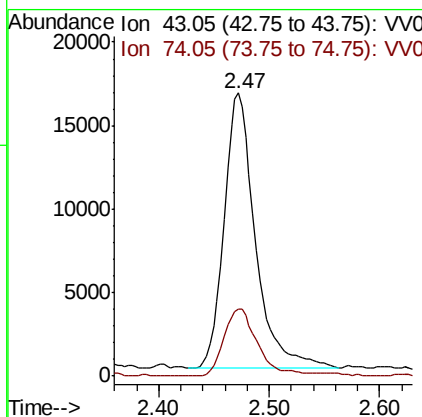
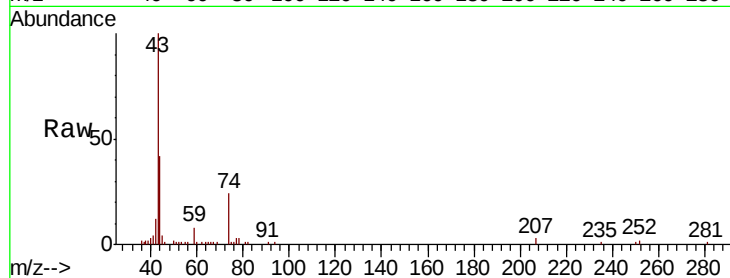




#15
Methvl Acetate
Concen: 4.121 ug/L
RT: 2.47 min Scan# 492
Delta R.T. 0.00 min
Lab File: VV006930.D
Acq: 08 Aug 2018 10:33

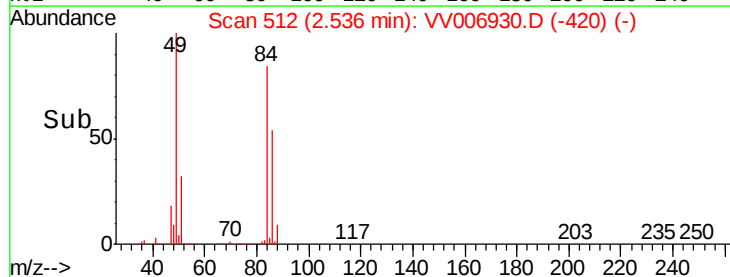
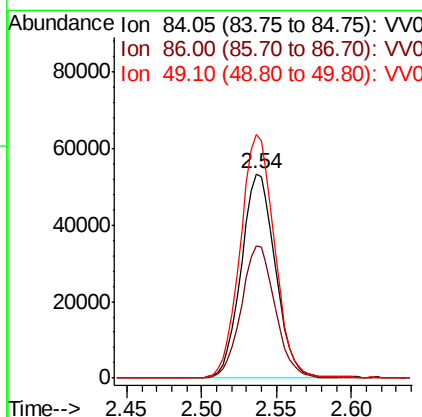
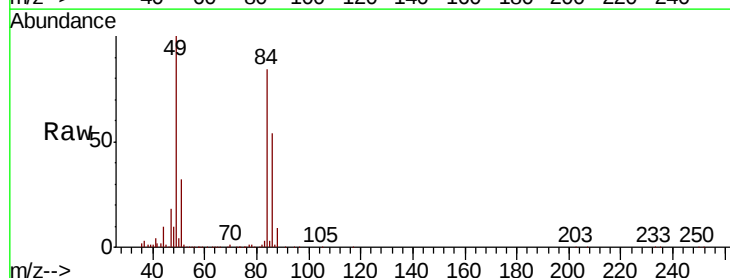
Instrument :
MSVOA_V
ClientSampleId :

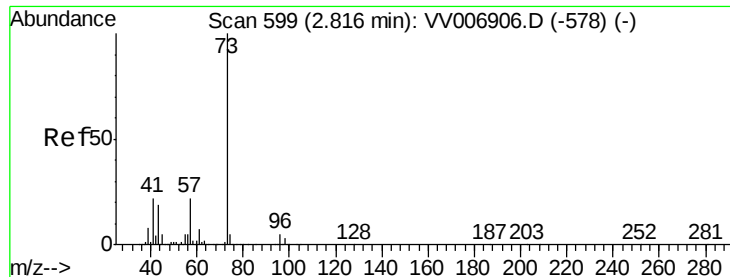
Tot Ion: 43 Resp: 32449
Ion Ratio Lower Upper
43 100
74 26.3 18.6 27.8



#16
Methylene chloride
Concen: 4.304 ug/L
RT: 2.54 min Scan# 512
Delta R.T. -0.00 min
Lab File: VV006930.D
Acq: 08 Aug 2018 10:33

Tgt Ion: 84 Resp: 84916
Ion Ratio Lower Upper
84 100
86 64.7 43.6 81.0
49 119.2 88.6 164.6

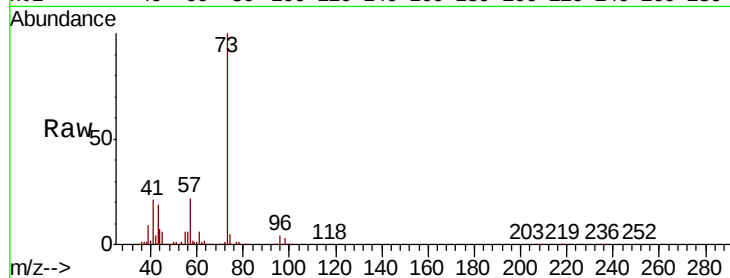




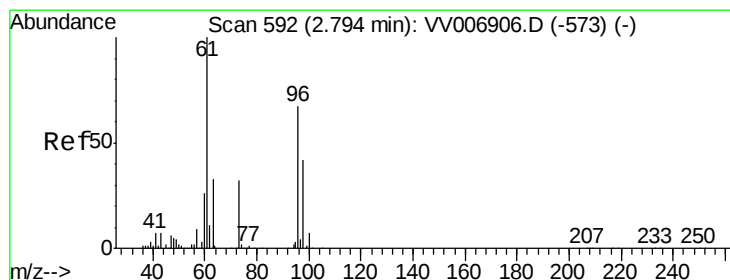
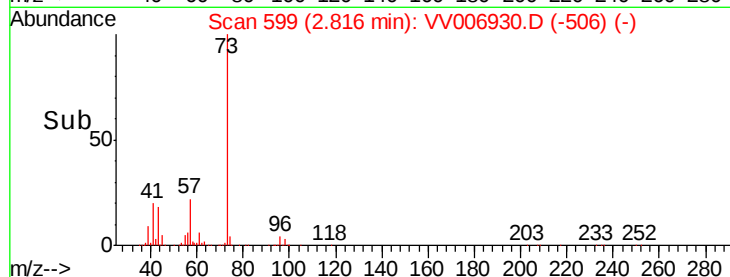
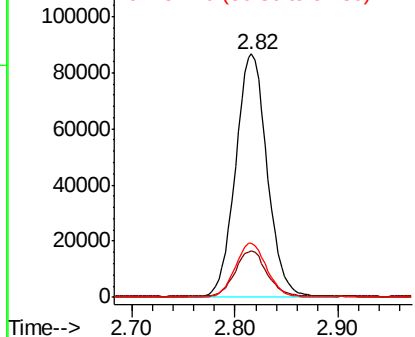
#17
Methvl tert-butvl Ether
Concen: 4.701 ug/L
RT: 2.82 min Scan# 599
Delta R.T. -0.00 min
Lab File: VV006930.D
Acq: 08 Aug 2018 10:33

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	18.6	15.3	22.9
57	22.1	18.8	28.2

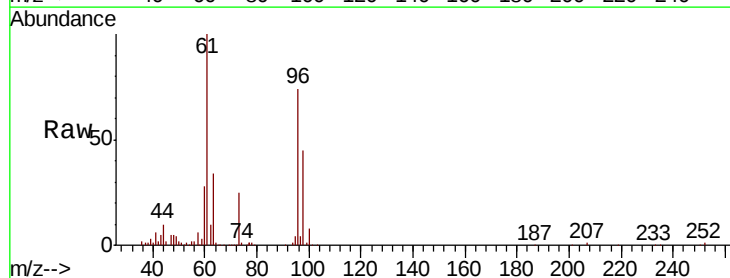


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

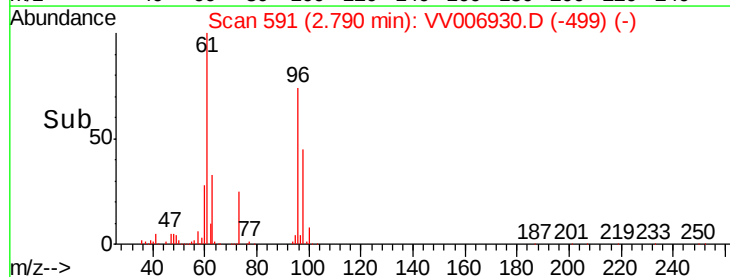
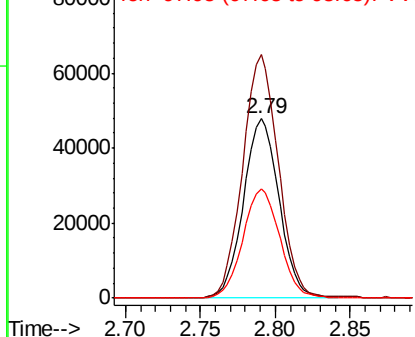


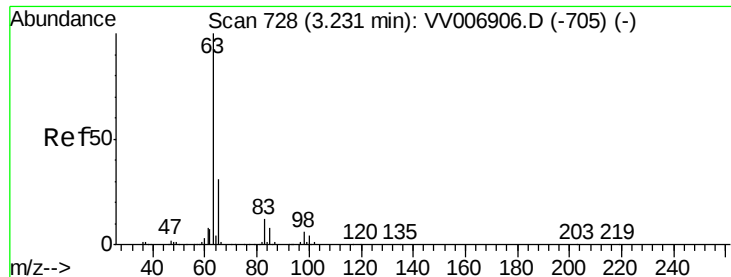
#18
trans-1,2-Dichloroethene
Concen: 4.828 ug/L
RT: 2.79 min Scan# 591
Delta R.T. -0.00 min
Lab File: VV006930.D
Acq: 08 Aug 2018 10:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.9	97.3	180.7
98	61.0	42.8	79.6



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





#19

1,1-Dichloroethane

Concen: 4.637 ug/L

RT: 3.23 min Scan# 727

Delta R.T. -0.00 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

Instrument :

MSVOA_V

ClientSampleId :

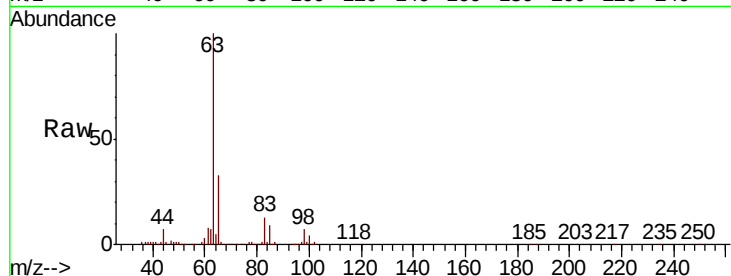
Tot Ion: 63 Resp: 147574

Ion Ratio Lower Upper

63 100

65 33.0 22.0 41.0

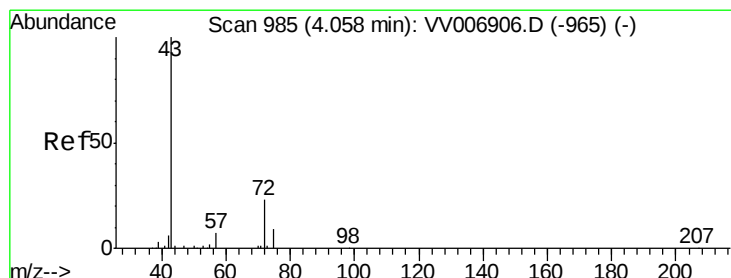
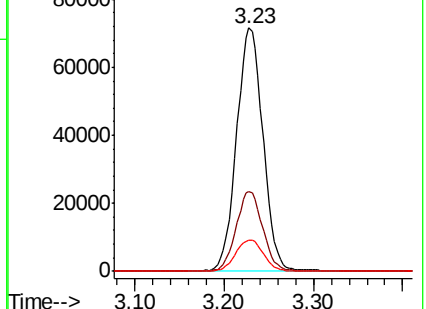
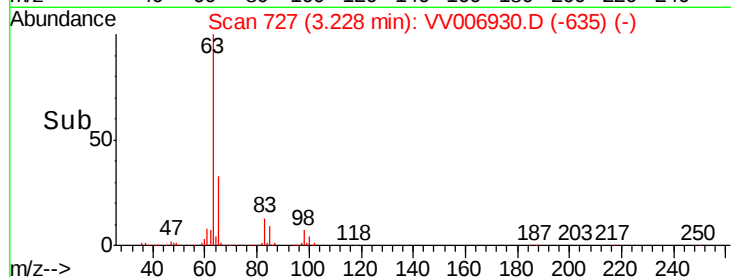
83 12.6 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VV006930.D (-635) (-)

Ion 65.10 (64.80 to 65.80): VV006930.D (-635) (-)

Ion 83.05 (82.75 to 83.75): VV006930.D (-635) (-)



#21

2-Butanone

Concen: 49.738 ug/L

RT: 4.06 min Scan# 986

Delta R.T. 0.00 min

Lab File: VV006930.D

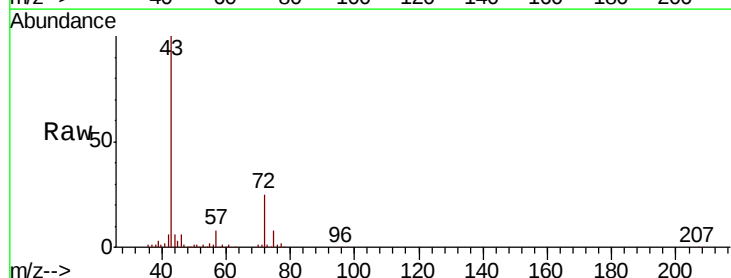
Acq: 08 Aug 2018 10:33

Tgt Ion: 43 Resp: 234643

Ion Ratio Lower Upper

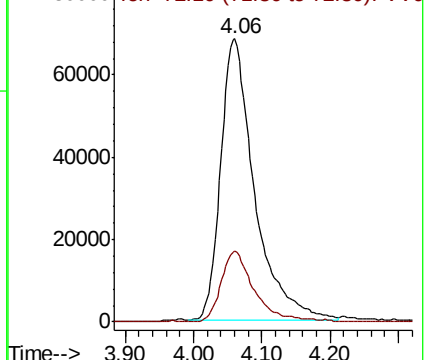
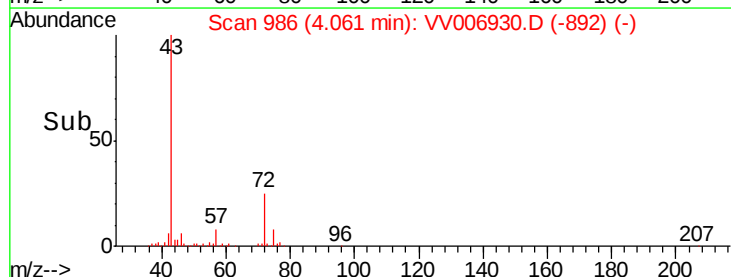
43 100

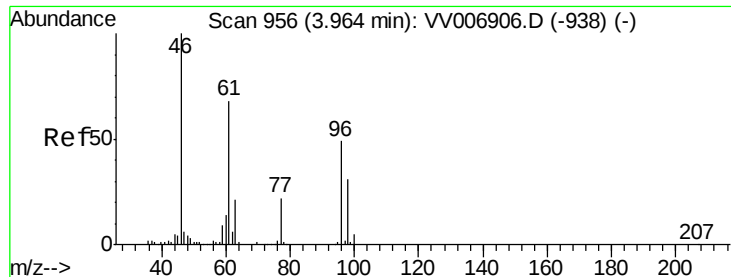
72 24.7 11.9 35.5



Abundance Ion 43.05 (42.75 to 43.75): VV006930.D (-892) (-)

Ion 72.10 (71.80 to 72.80): VV006930.D (-892) (-)



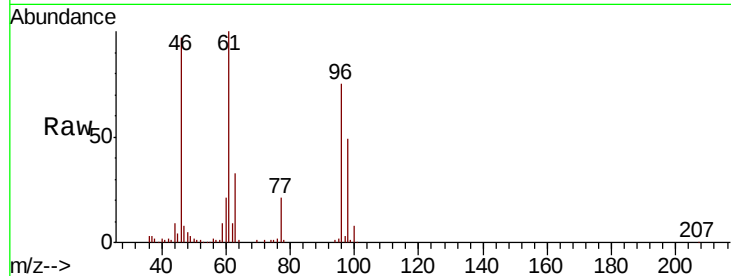


#22

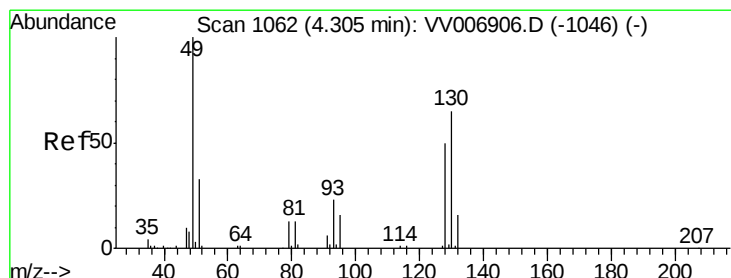
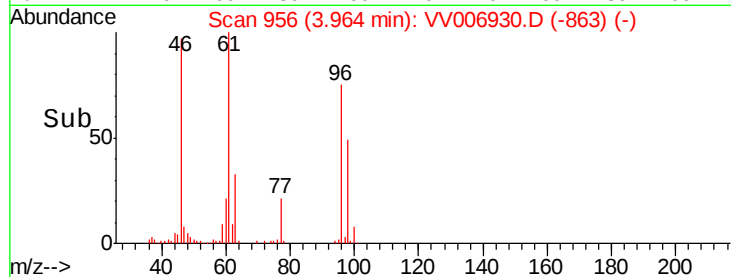
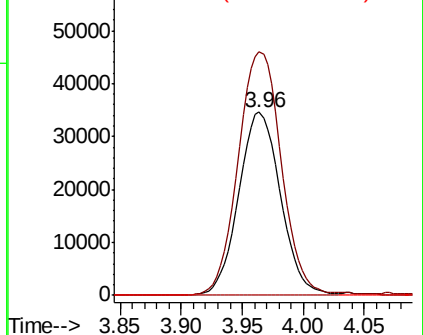
cis-1,2-Dichloroethene
 Concen: 4.976 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VV006930.D
 Acq: 08 Aug 2018 10:33

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 82101
 Ion Ratio Lower Upper
 96 100
 61 133.1 95.5 177.4
 68 0.0 0.0 0.0



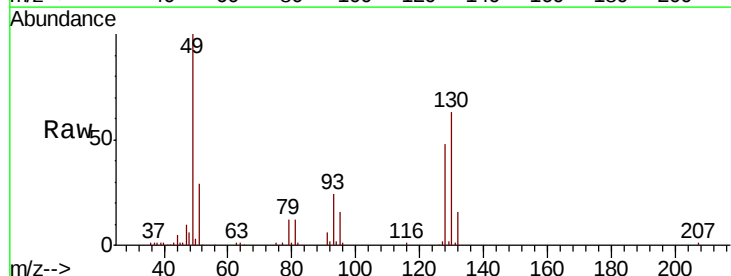
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



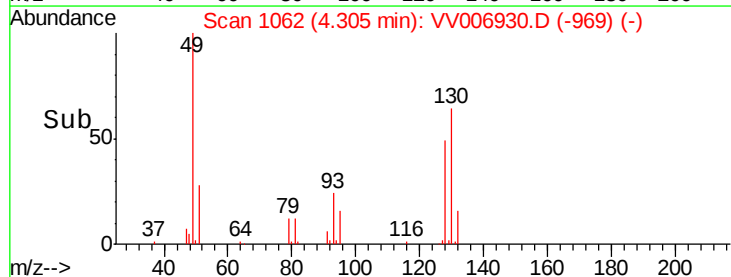
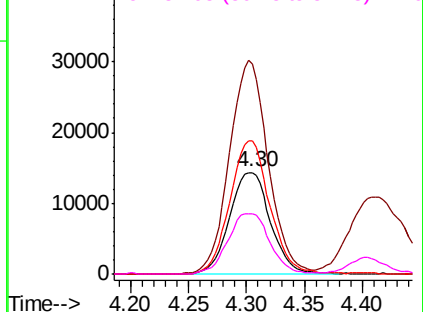
#23

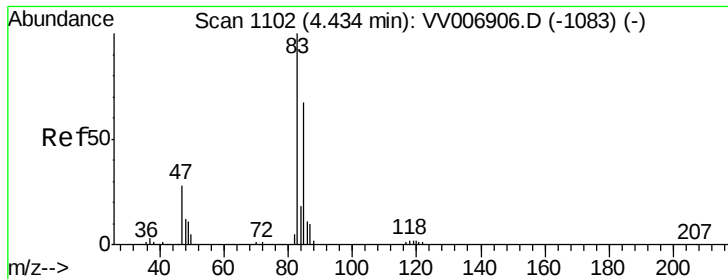
Bromochloromethane
 Concen: 5.156 ug/L
 RT: 4.30 min Scan# 1062
 Delta R.T. -0.00 min
 Lab File: VV006930.D
 Acq: 08 Aug 2018 10:33

Tgt Ion: 128 Resp: 35007
 Ion Ratio Lower Upper
 128 100
 49 207.1 141.5 262.9
 130 131.2 89.7 166.7
 51 59.3 53.5 80.3



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

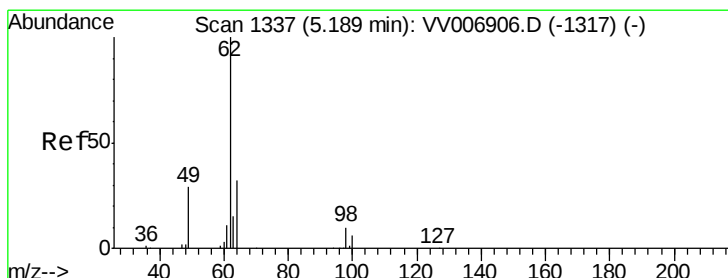
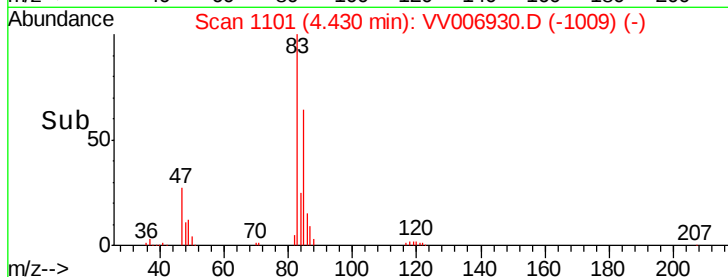
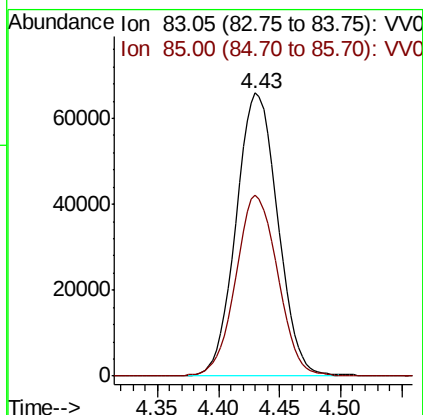
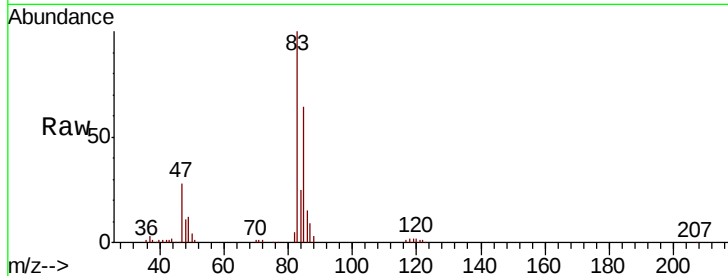




#25
Chloroform
Concen: 5.055 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV006930.D
Acq: 08 Aug 2018 10:33

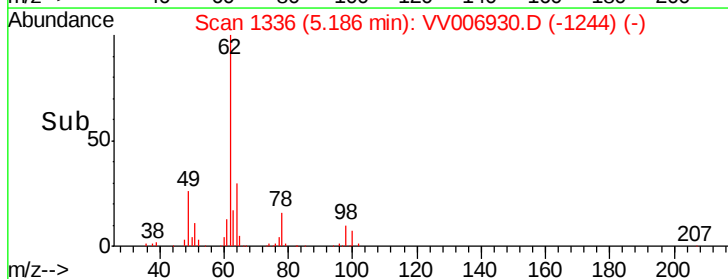
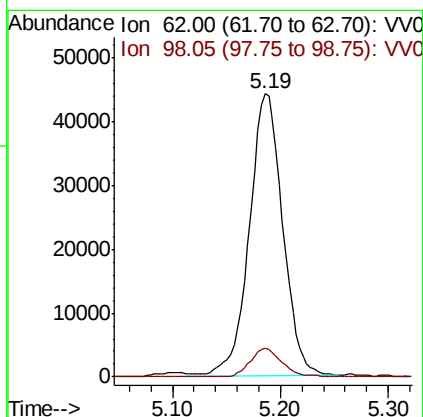
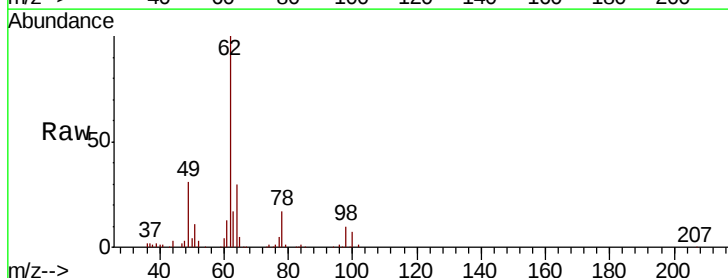
Instrument :
MSVOA_V
ClientSampleId :

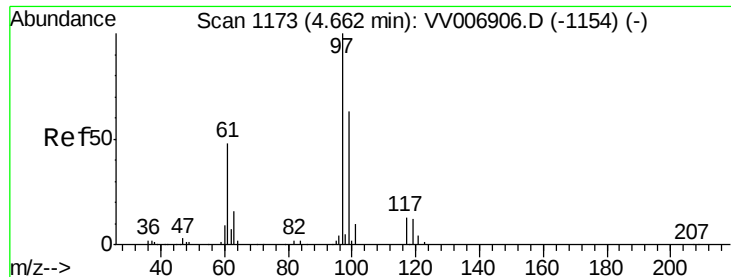
Tot Ion: 83 Resp: 156203
Ion Ratio Lower Upper
83 100
85 63.9 43.5 80.7



#27
1,2-Dichloroethane
Concen: 4.762 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV006930.D
Acq: 08 Aug 2018 10:33

Tgt Ion: 62 Resp: 95043
Ion Ratio Lower Upper
62 100
98 9.9 7.8 11.8

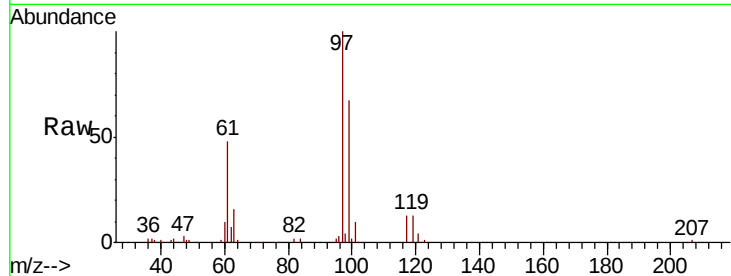




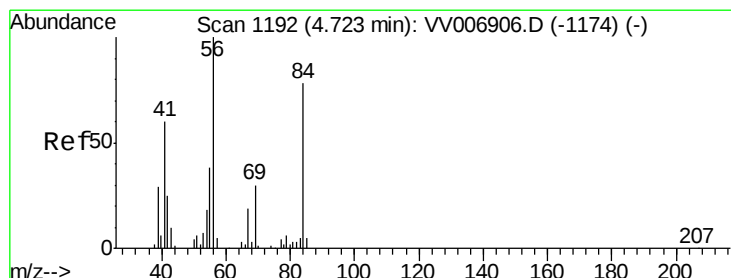
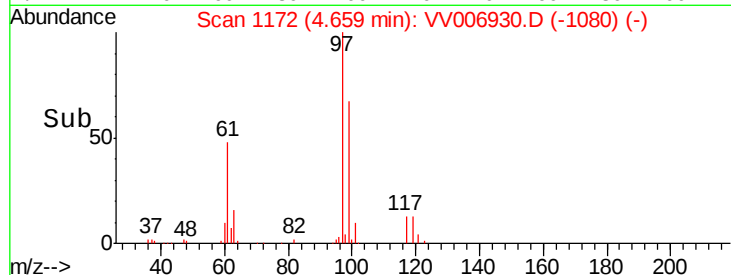
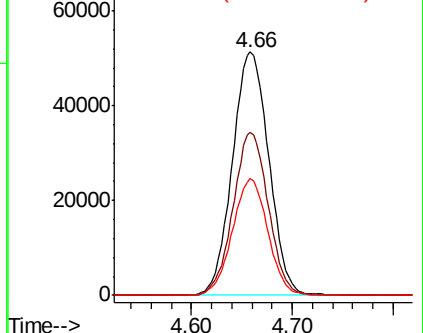
#29
 1,1,1-Trichloroethane
 Concen: 4.948 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV006930.D
 Acq: 08 Aug 2018 10:33

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	97	Resp	128669
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.6
61	46.8	38.6	57.8

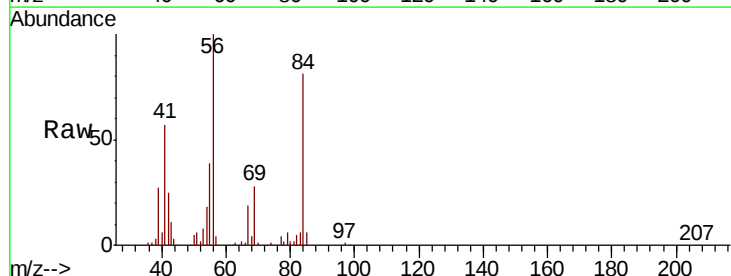


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

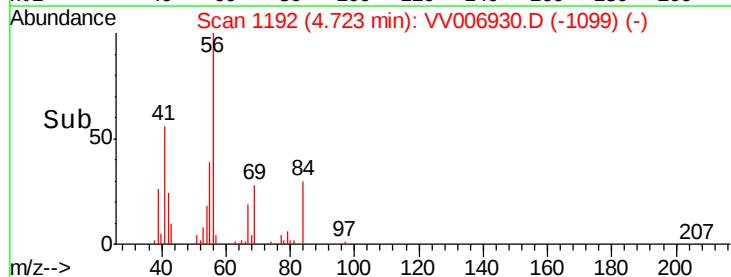
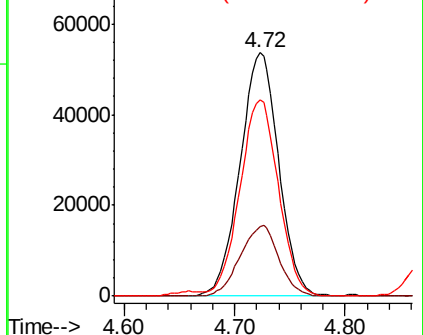


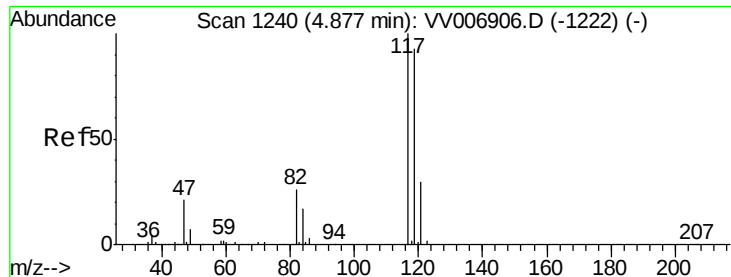
#30
 Cyclohexane
 Concen: 5.035 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VV006930.D
 Acq: 08 Aug 2018 10:33

Tgt Ion	56	Resp	130556
Ion	Ratio	Lower	Upper
56	100		
69	28.9	24.2	36.2
84	80.7	65.5	98.3



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: 4.931 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

Instrument :

MSVOA_V

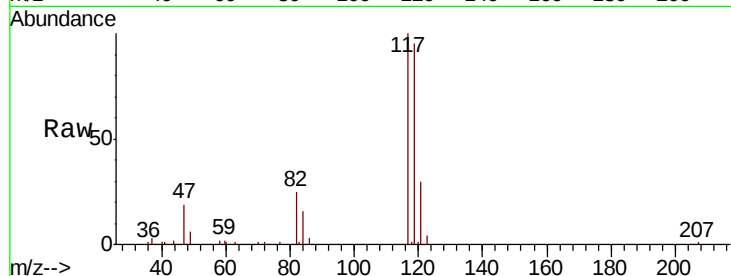
ClientSampled :

Tot Ion:117 Resp: 108009

Ion Ratio Lower Upper

117 100

119 96.1 74.9 112.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.88

50000

40000

30000

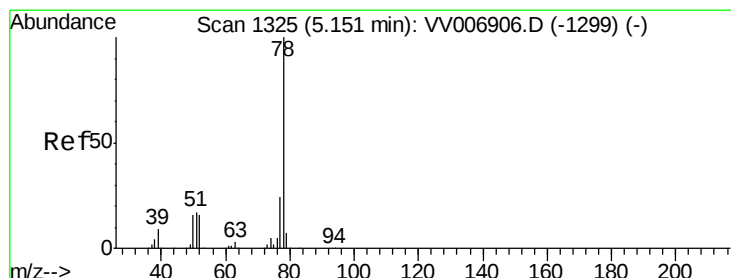
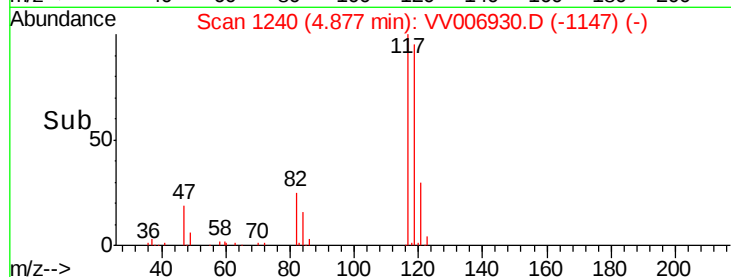
20000

10000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 5.002 ug/L

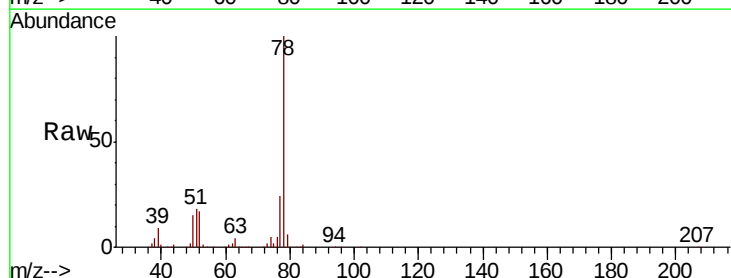
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

Tgt Ion: 78 Resp: 338351



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

150000

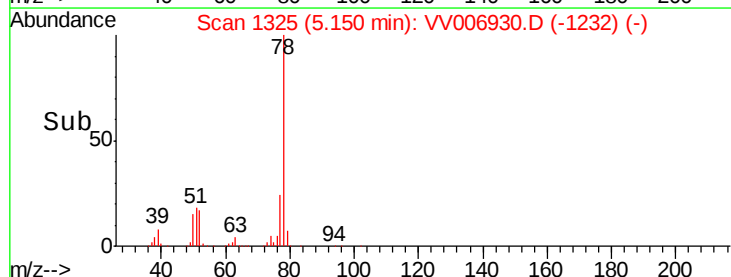
100000

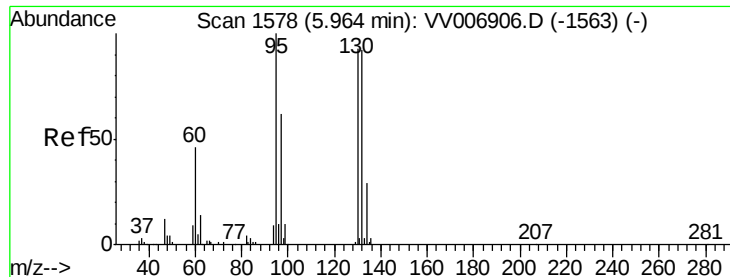
50000

0

Time-->

5.00 5.10 5.20 5.30





#34

Trichloroethene

Concen: 5.056 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 79572

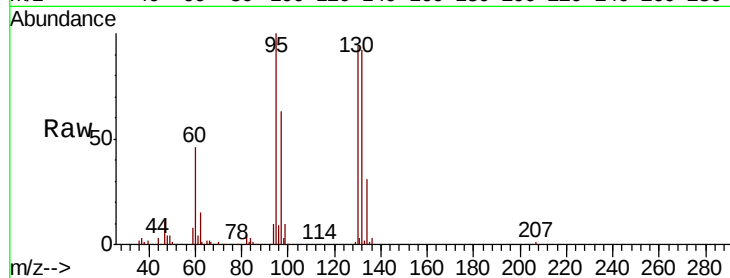
Ion Ratio Lower Upper

95 100

97 63.4 44.4 82.4

132 91.7 65.6 121.8

130 94.1 68.8 127.8

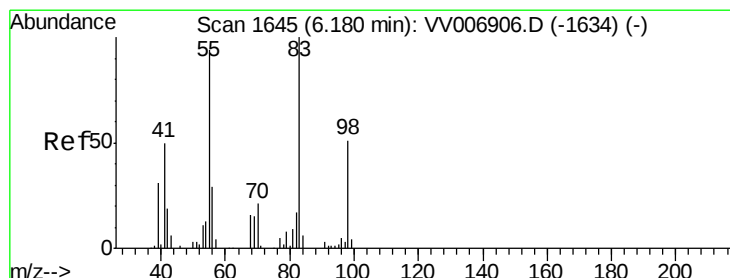
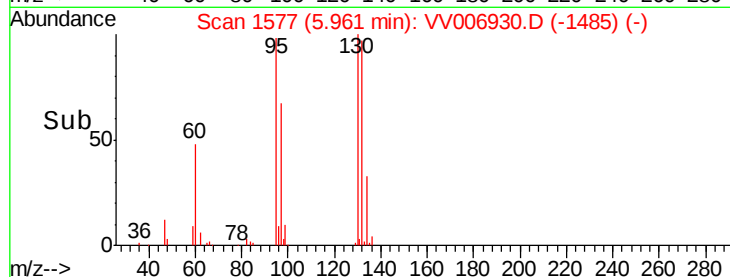
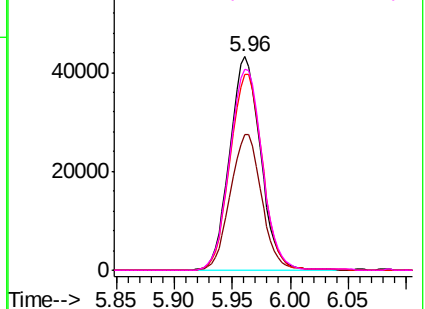


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.111 ug/L

RT: 6.18 min Scan# 1644

Delta R.T. -0.00 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

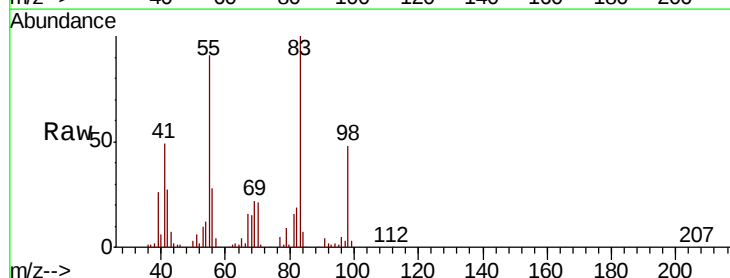
Tgt Ion: 83 Resp: 124887

Ion Ratio Lower Upper

83 100

55 88.0 69.8 104.8

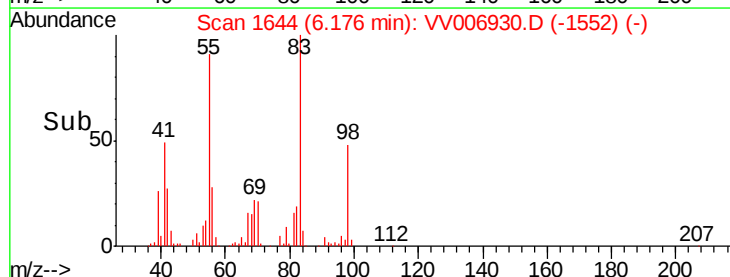
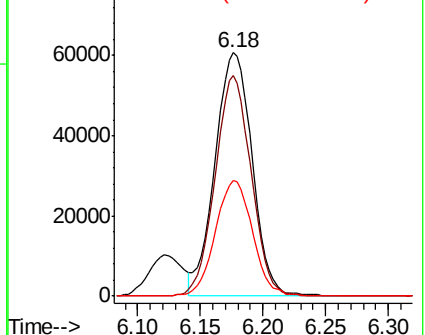
98 47.3 36.4 54.6

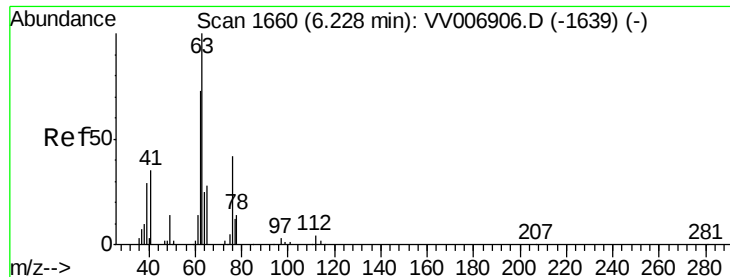


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

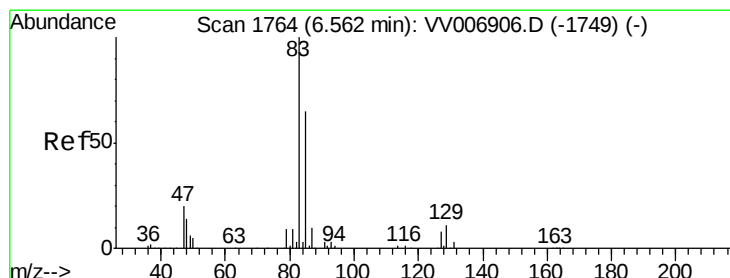
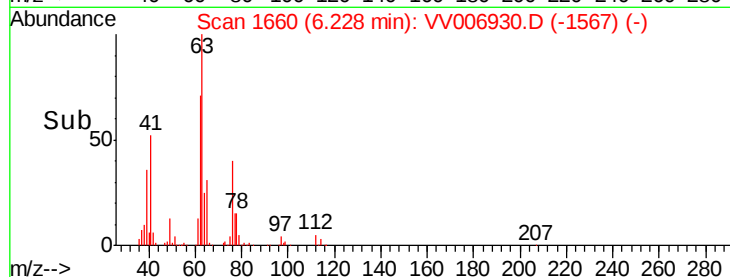
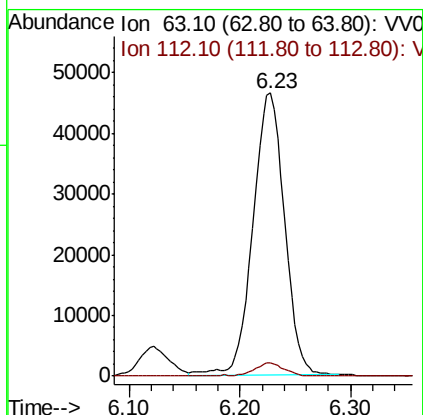
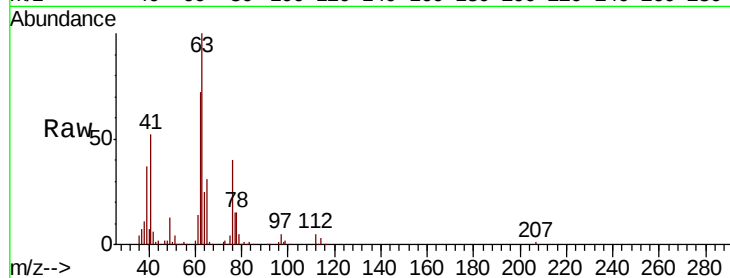




#37
 1,2-Dichloropropane
 Concen: 4.942 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV006930.D
 Acq: 08 Aug 2018 10:33

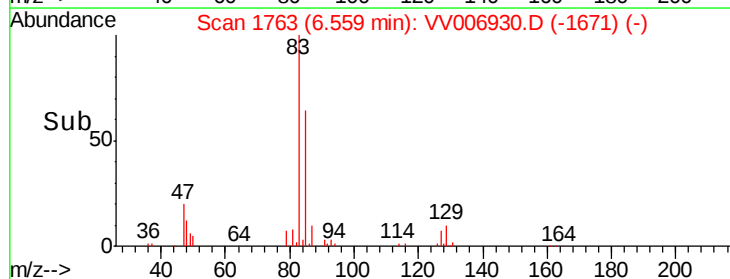
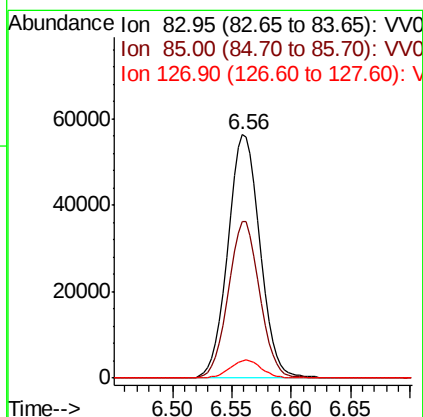
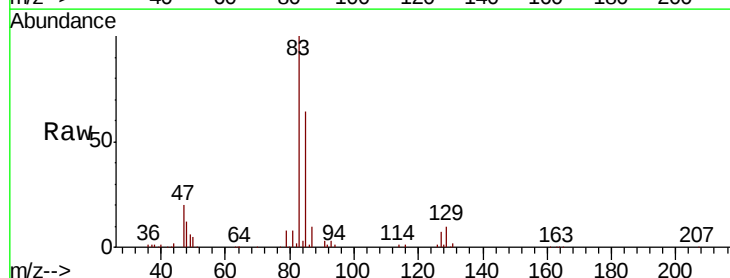
Instrument :
 MSVOA_V
 ClientSampled :

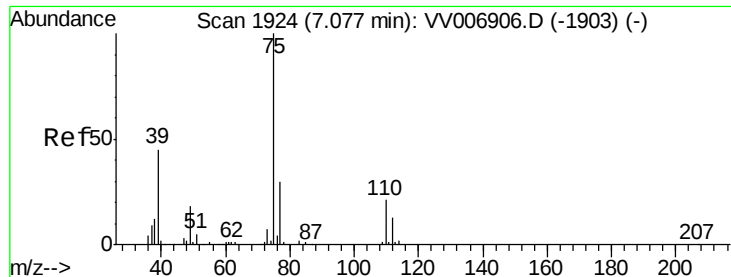
Tot Ion: 63 Resp: 92906
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 4.941 ug/L
 RT: 6.56 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VV006930.D
 Acq: 08 Aug 2018 10:33

Tgt Ion: 83 Resp: 105473
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.9 83.3
 127 7.1 6.9 10.3



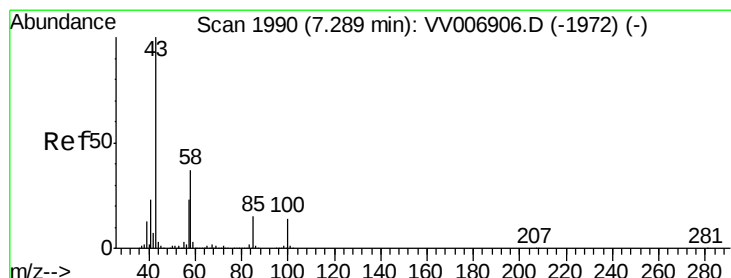
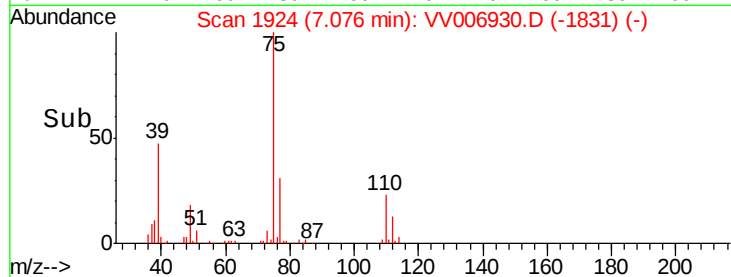
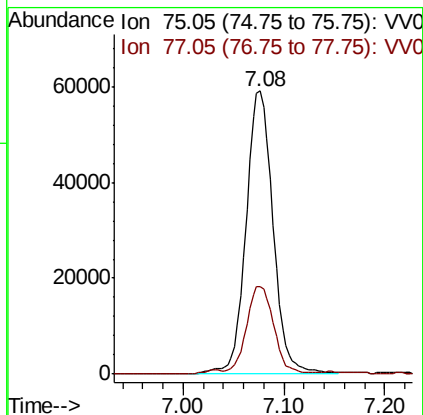
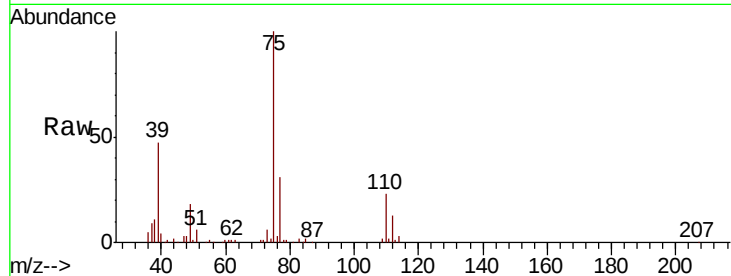


#39

cis-1,3-Dichloropropene
 Concen: 5.095 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV006930.D
 Acq: 08 Aug 2018 10:33

Instrument :
 MSVOA_V
 ClientSampleId :

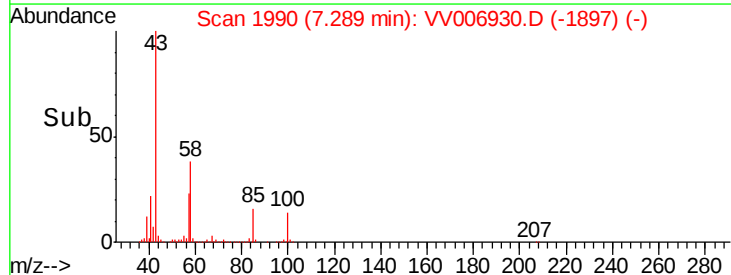
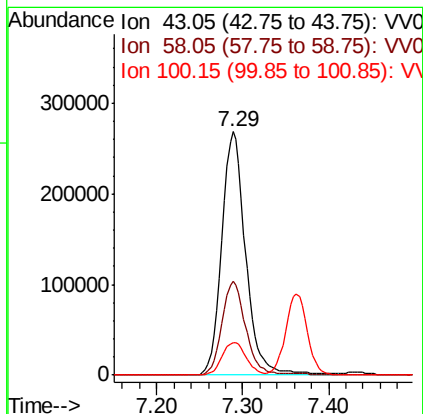
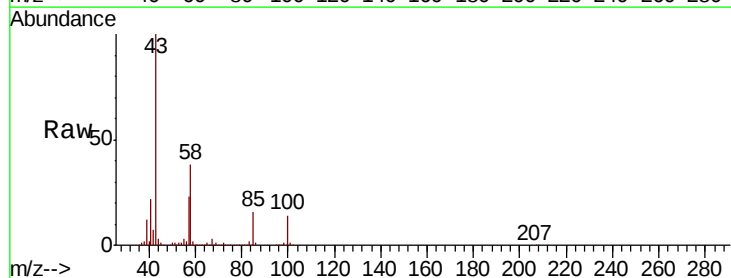
Tot Ion: 75 Resp: 109529
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.2 39.4

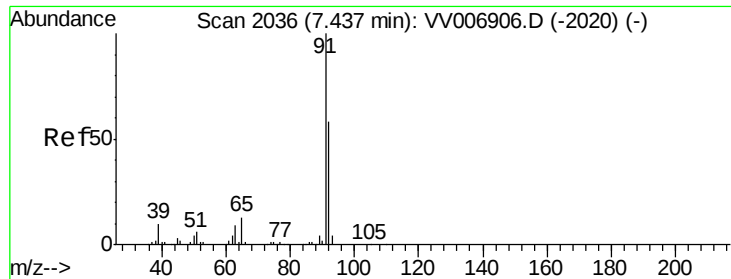


#40

4-Methyl-2-pentanone
 Concen: 49.563 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. -0.00 min
 Lab File: VV006930.D
 Acq: 08 Aug 2018 10:33

Tgt Ion: 43 Resp: 520358
 Ion Ratio Lower Upper
 43 100
 58 38.0 29.0 43.6
 100 13.6 10.5 15.7





#42

Toluene

Concen: 5.308 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

Instrument :

MSVOA_V

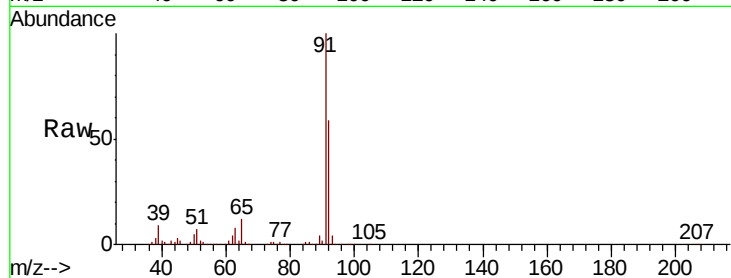
ClientSampled :

Tot Ion: 91 Resp: 336569

Ion Ratio Lower Upper

91 100

92 58.6 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VV006930.D (-1943) (-)

Ion 92.15 (91.85 to 92.85): VV006930.D (-1943) (-)

7.43

200000

150000

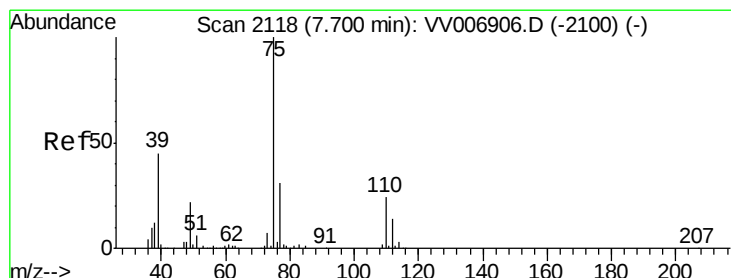
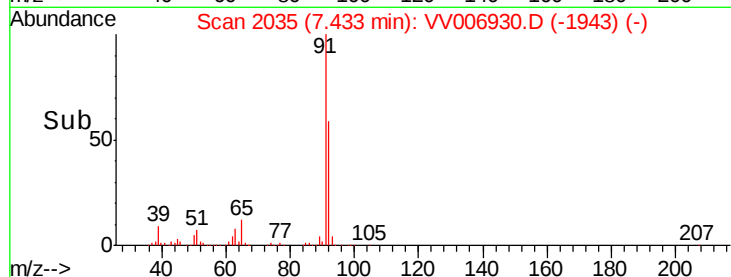
100000

50000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.060 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV006930.D

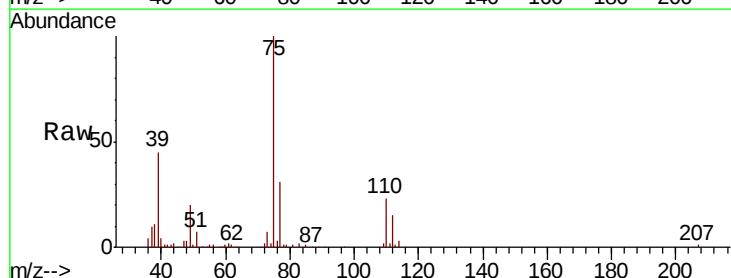
Acq: 08 Aug 2018 10:33

Tgt Ion: 75 Resp: 91406

Ion Ratio Lower Upper

75 100

77 31.1 24.2 45.0



Abundance Ion 75.05 (74.75 to 75.75): VV006930.D (-2025) (-)

Ion 77.05 (76.75 to 77.75): VV006930.D (-2025) (-)

7.70

60000

50000

40000

30000

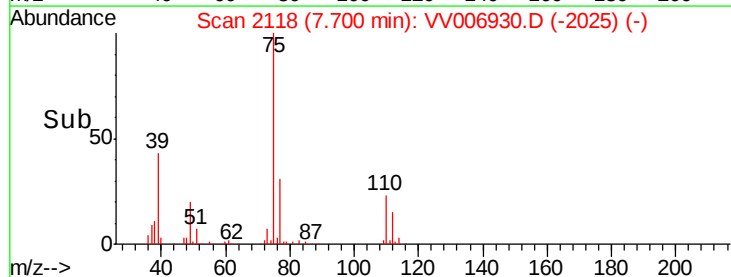
20000

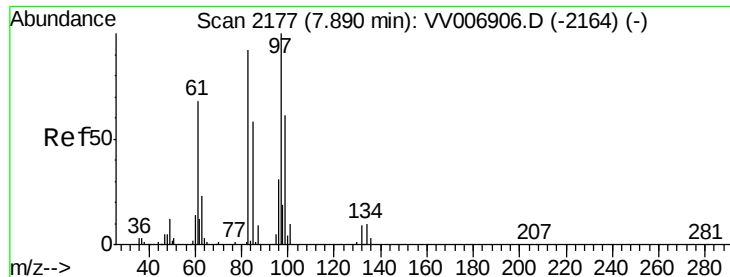
10000

0

7.60 7.65 7.70 7.75 7.80

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.920 ug/L

RT: 7.89 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 97 Resp: 58032

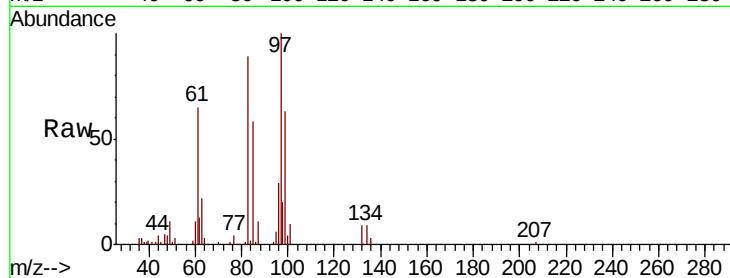
Ion Ratio Lower Upper

97 100

99 63.1 44.7 82.9

83 88.5 62.4 116.0

85 57.6 40.4 75.0

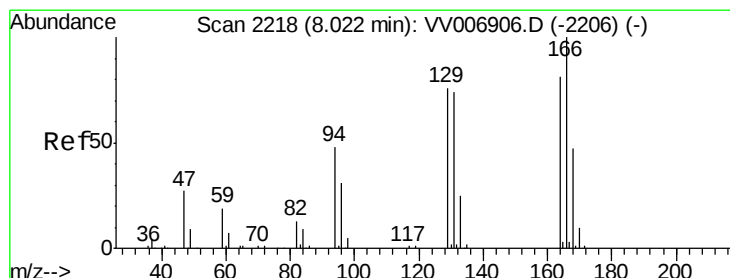
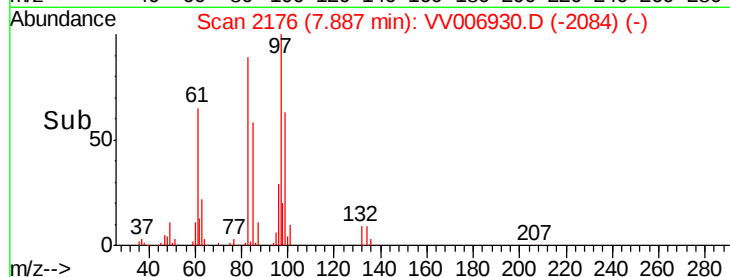
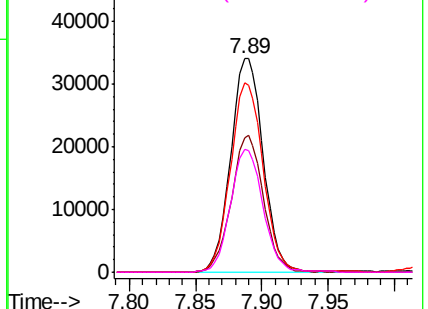


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 5.442 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

Tgt Ion:164 Resp: 65175

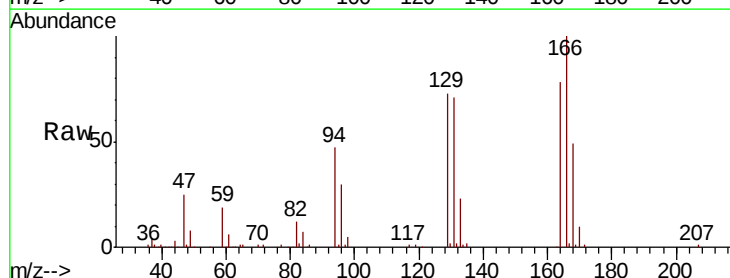
Ion Ratio Lower Upper

164 100

129 93.9 63.1 117.3

131 91.4 62.3 115.7

166 128.1 87.4 162.4

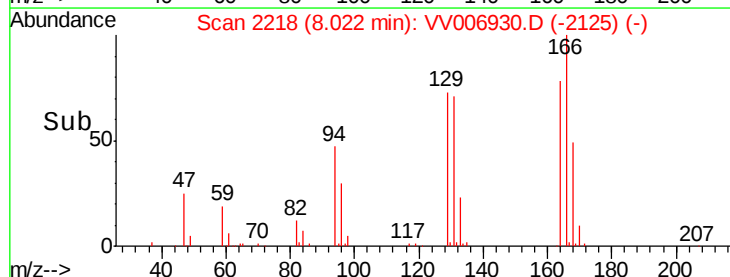
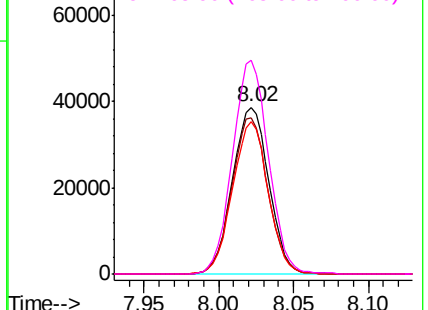


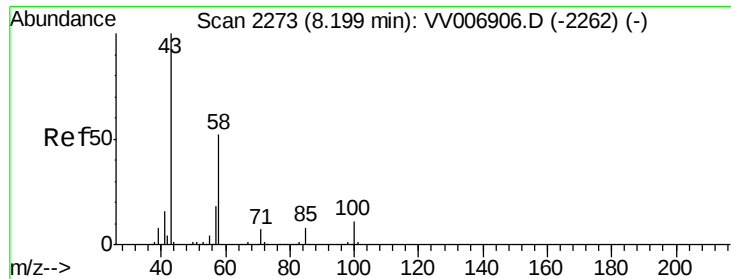
Abundance Ion 163.90 (163.60 to 164.60): V

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

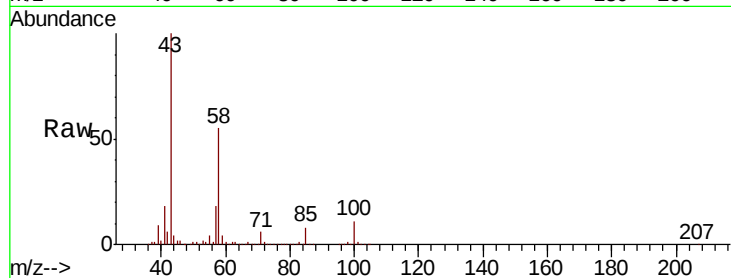




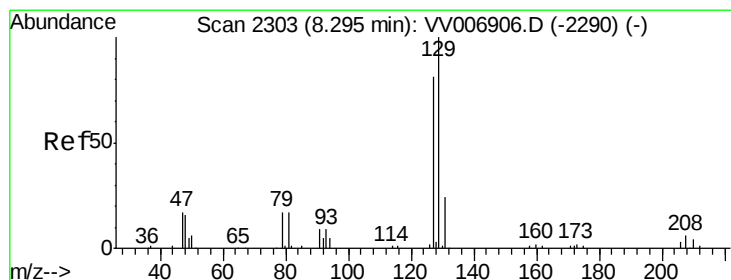
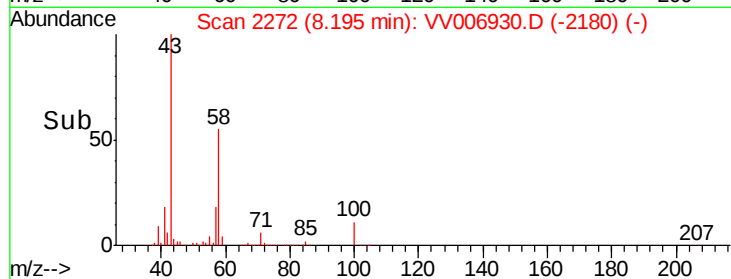
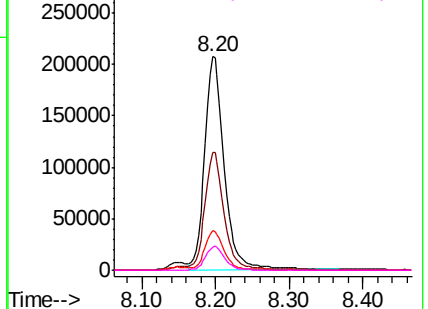
#48
2-Hexanone
Concen: 52.358 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV006930.D
Acq: 08 Aug 2018 10:33

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 384371
Ion Ratio Lower Upper
43 100
58 52.6 42.0 63.0
57 17.7 14.1 21.1
100 10.6 8.1 12.1

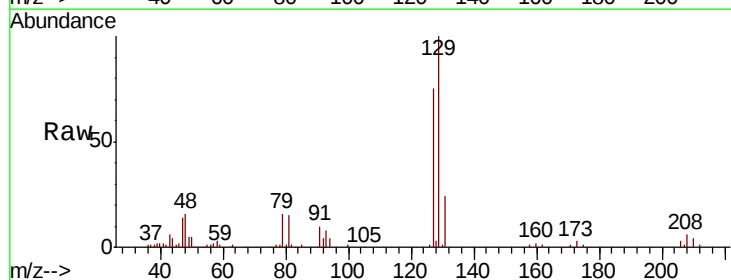


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

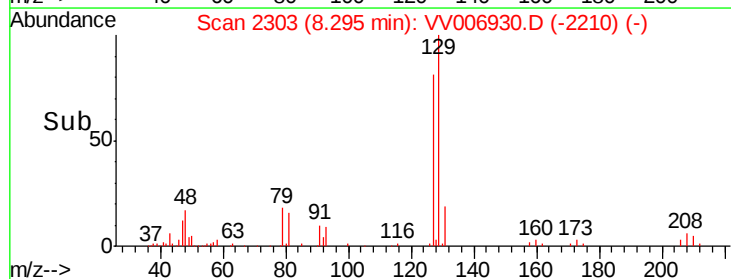
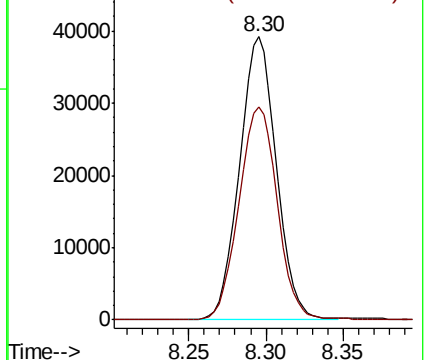


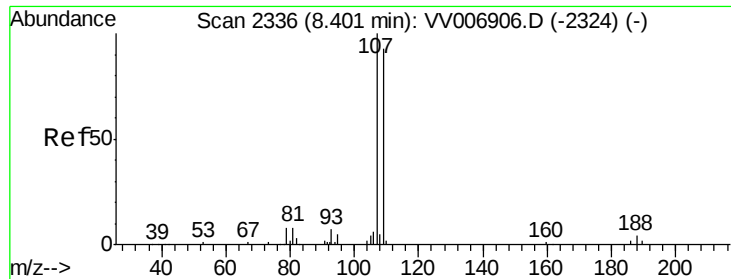
#49
Dibromochloromethane
Concen: 5.213 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006930.D
Acq: 08 Aug 2018 10:33

Tgt Ion: 129 Resp: 65061
Ion Ratio Lower Upper
129 100
127 75.1 57.0 105.8



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





#50

1,2-Dibromoethane

Concen: 5.205 ug/L

RT: 8.40 min Scan# 2336

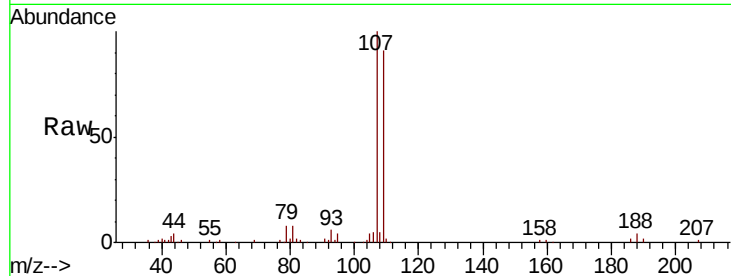
Delta R.T. -0.00 min

Lab File: VV006930.D

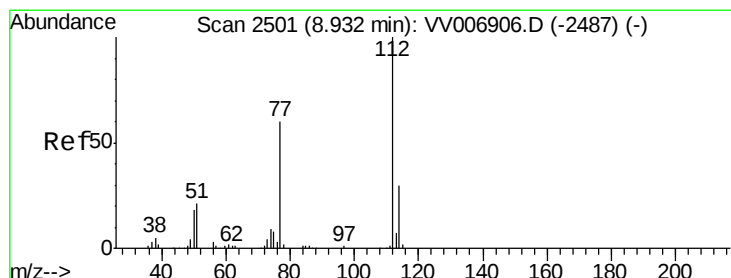
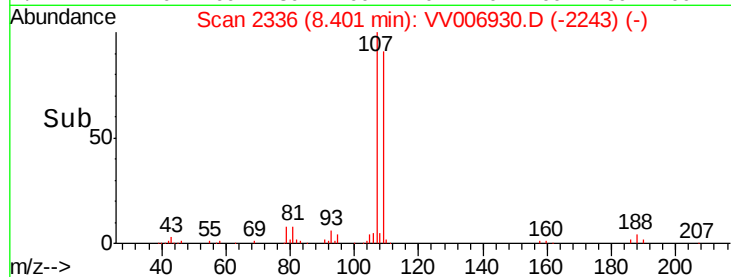
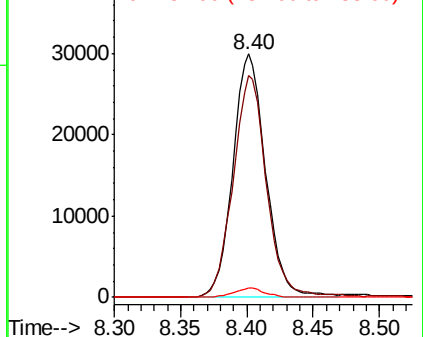
Acq: 08 Aug 2018 10:33

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	107	Resp:	51386
Ion	Ratio	Lower	Upper
107	100		
109	91.2	67.1	124.7
188	3.7	3.0	4.4



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: 5.296 ug/L

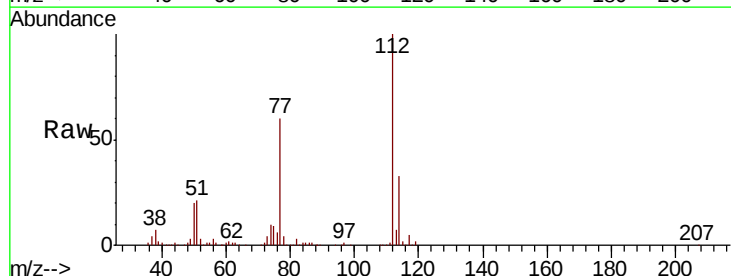
RT: 8.93 min Scan# 2500

Delta R.T. -0.00 min

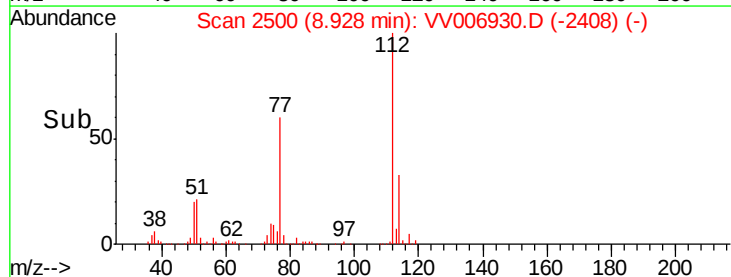
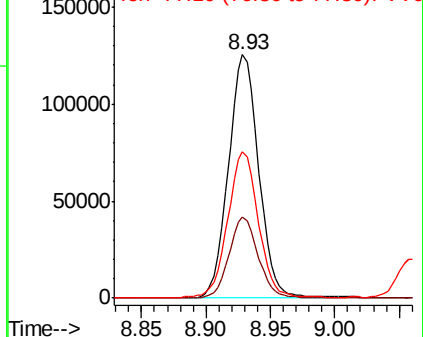
Lab File: VV006930.D

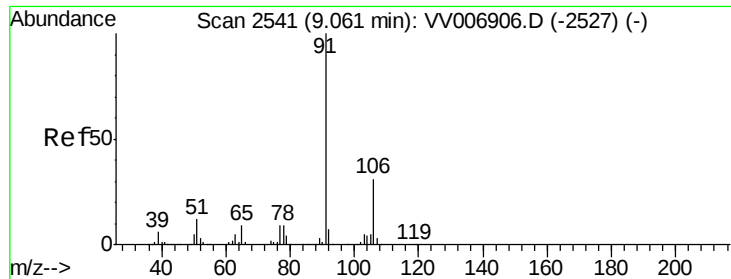
Acq: 08 Aug 2018 10:33

Tgt Ion:	112	Resp:	204385
Ion	Ratio	Lower	Upper
112	100		
114	33.1	22.6	42.0
77	60.3	50.4	75.6



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





#52

Ethylbenzene

Concen: 5.205 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

Instrument :

MSVOA_V

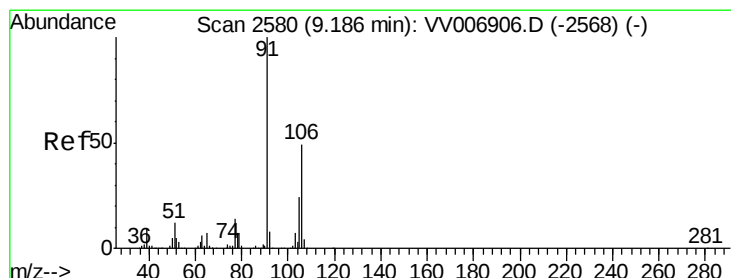
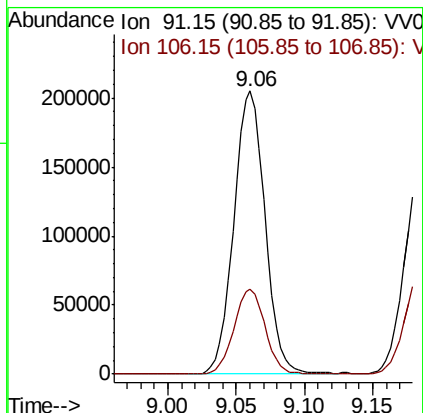
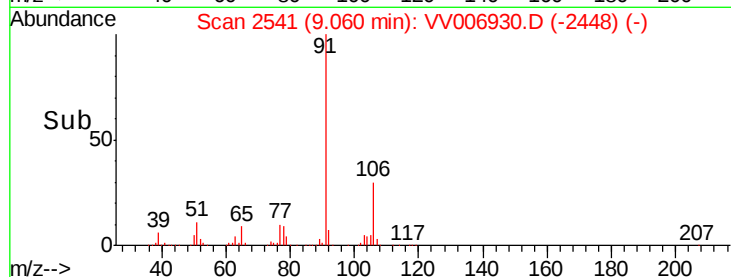
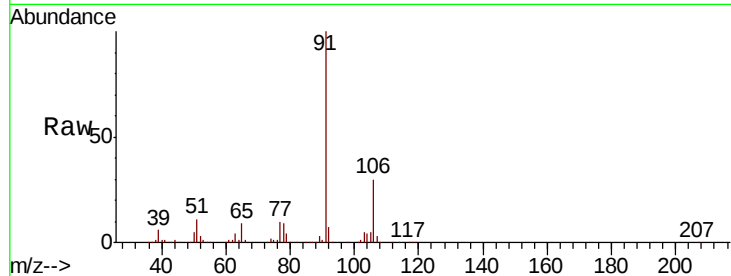
ClientSampled :

Tot Ion: 91 Resp: 325611

Ion Ratio Lower Upper

91 100

106 30.0 21.0 39.0



#53

m,p-xylene

Concen: 5.317 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006930.D

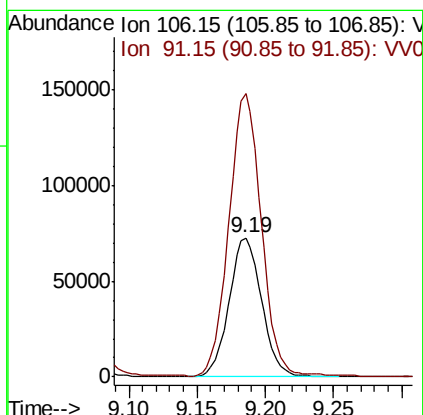
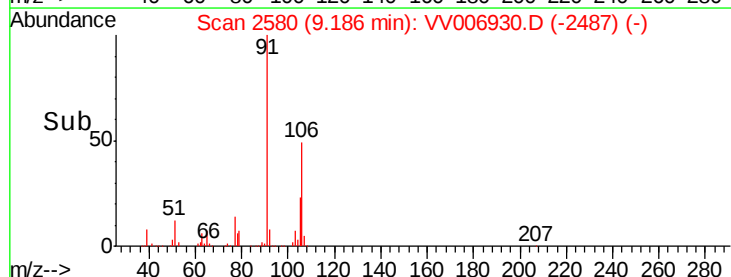
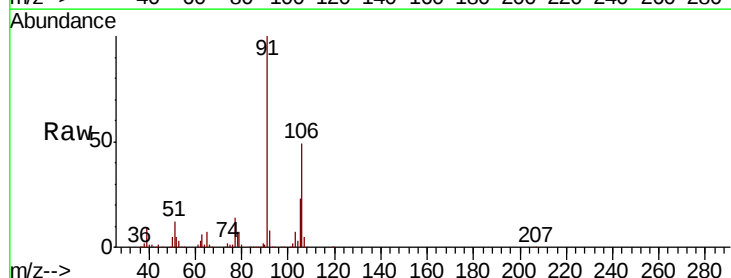
Acq: 08 Aug 2018 10:33

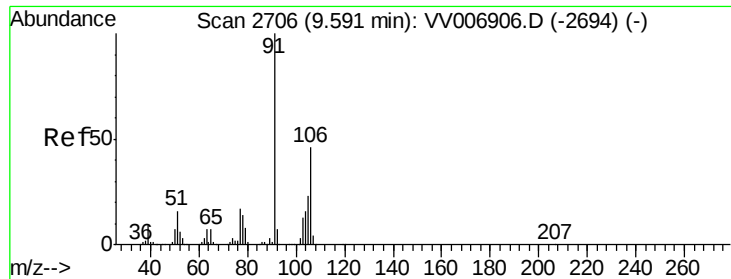
Tgt Ion: 106 Resp: 119686

Ion Ratio Lower Upper

106 100

91 203.2 147.7 274.3





#54

o-xylene

Concen: 5.146 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

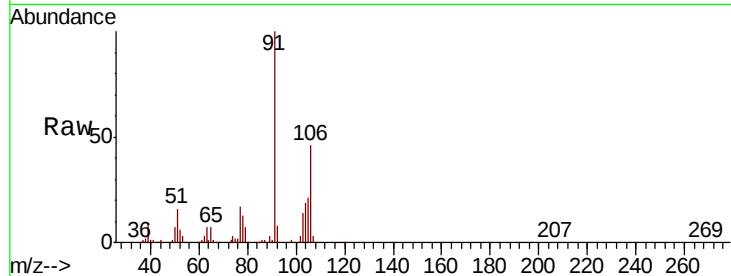
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 113581

Ion Ratio Lower Upper

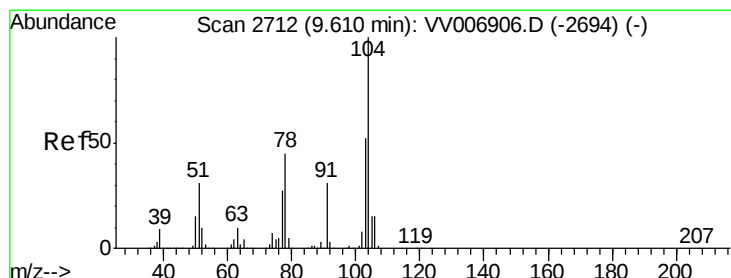
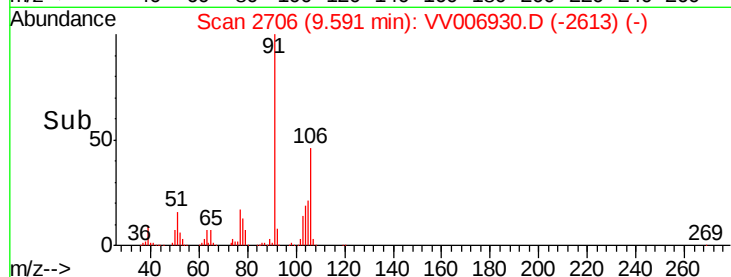
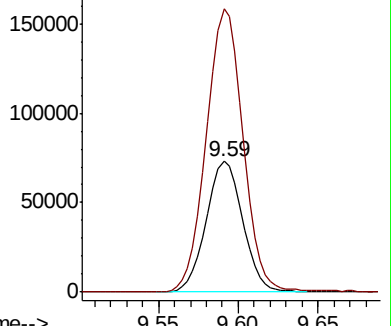
106 100

91 216.1 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.316 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV006930.D

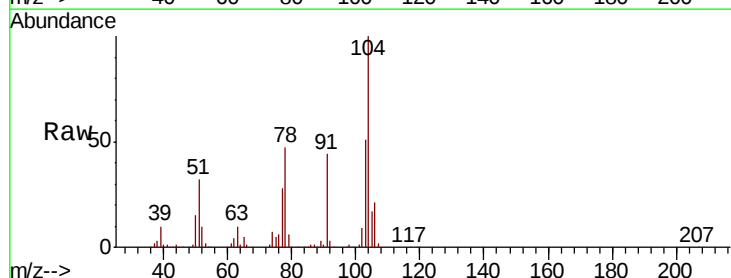
Acq: 08 Aug 2018 10:33

Tgt Ion:104 Resp: 190519

Ion Ratio Lower Upper

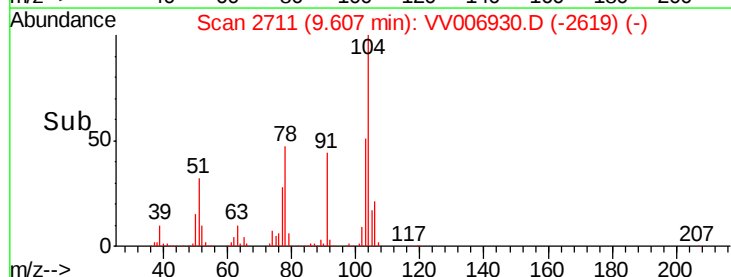
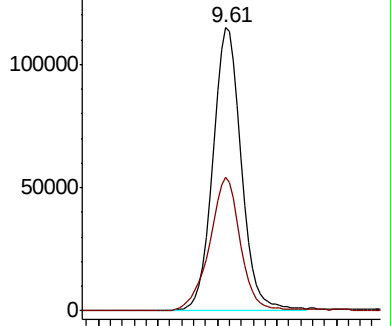
104 100

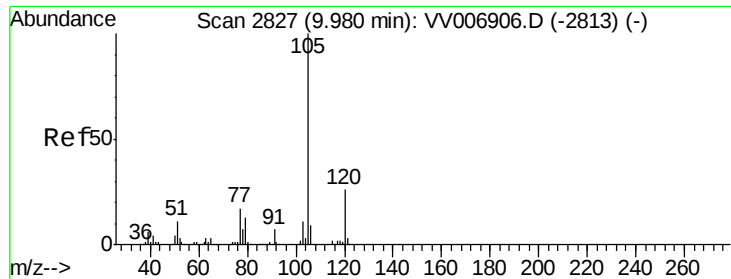
78 47.0 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.392 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

Instrument :

MSVOA_V

ClientSampleId :

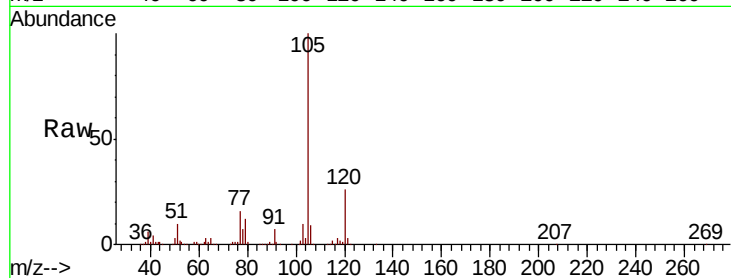
Tot Ion:105 Resp: 309184

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.6

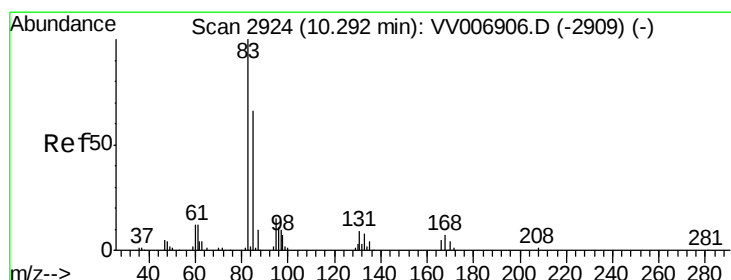
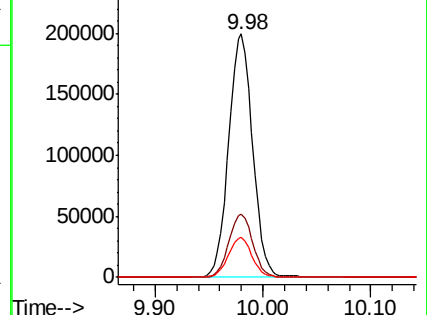
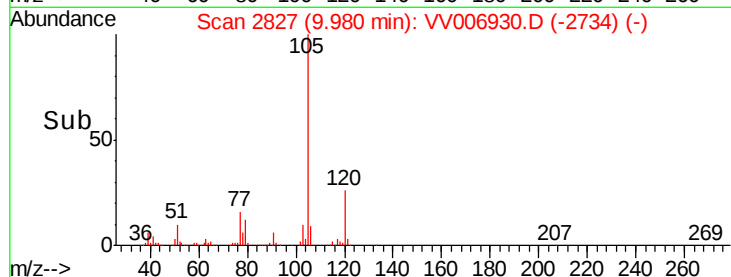
77 16.2 13.7 20.5



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: 4.806 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

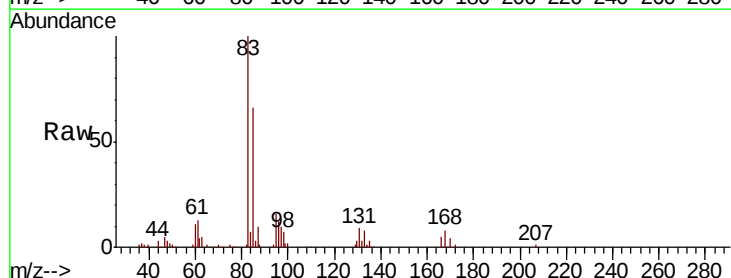
Tgt Ion: 83 Resp: 73512

Ion Ratio Lower Upper

83 100

85 65.8 44.4 82.4

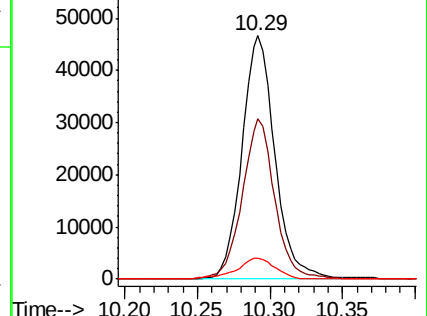
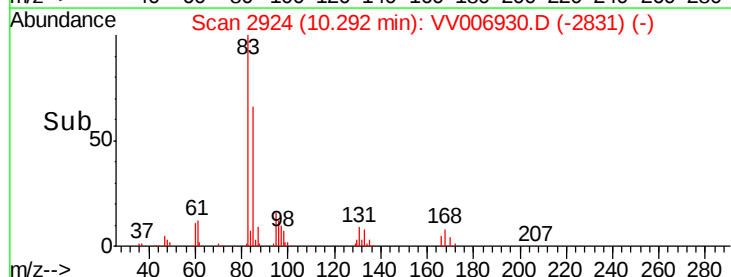
131 8.7 6.6 9.8

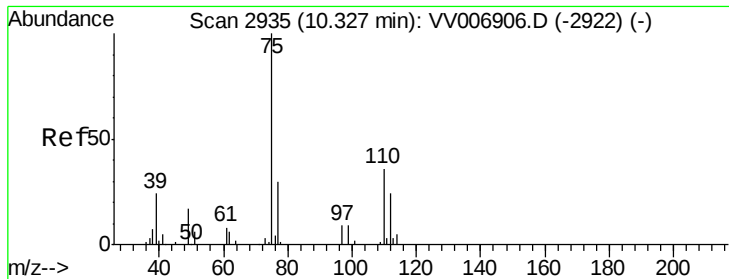


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

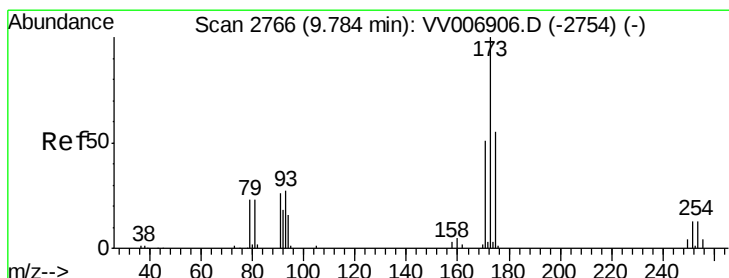
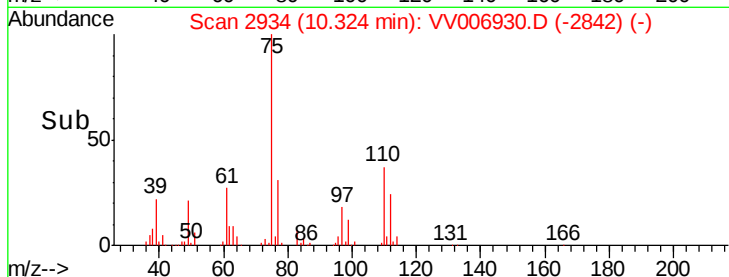
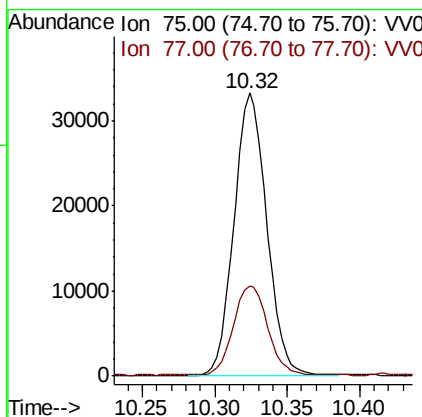
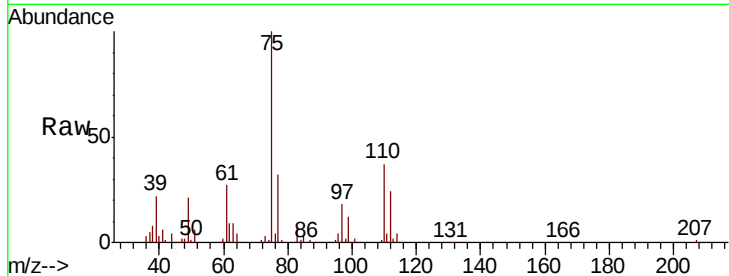




#59
 1,2,3-Trichloropropane
 Concen: 4.885 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. -0.00 min
 Lab File: VV006930.D
 Acq: 08 Aug 2018 10:33

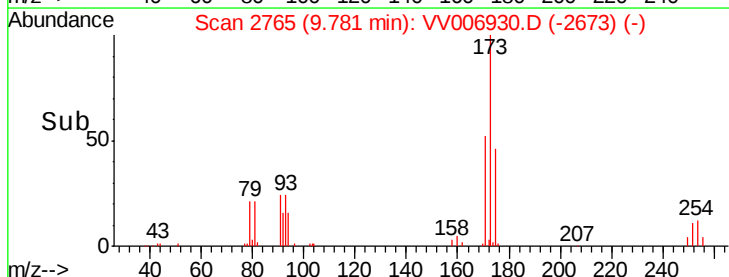
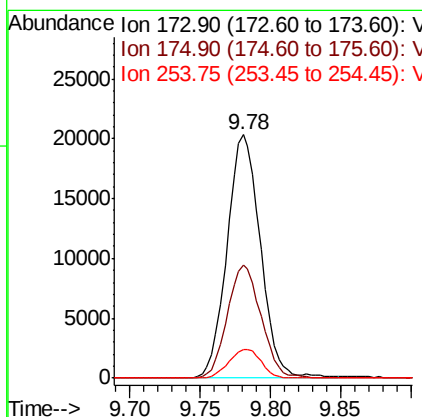
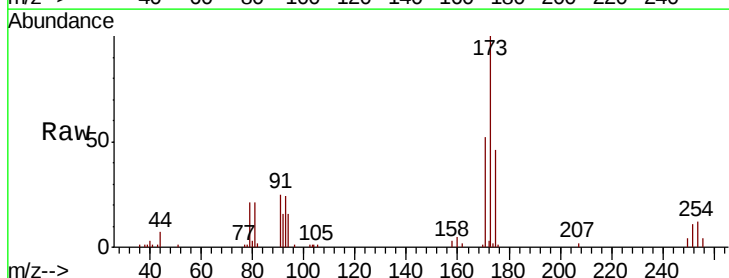
Instrument :
 MSVOA_V
 ClientSampleId :

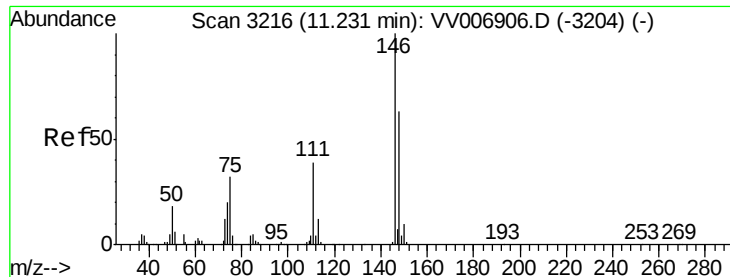
Tot Ion: 75 Resp: 52400
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.5 36.7



#61
 Bromoform
 Concen: 4.713 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. -0.00 min
 Lab File: VV006930.D
 Acq: 08 Aug 2018 10:33

Tgt Ion:173 Resp: 33695
 Ion Ratio Lower Upper
 173 100
 175 46.7 37.9 56.9
 254 11.4 8.0 12.0





#62

1,3-Dichlorobenzene

Concen: 5.231 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

Instrument :

MSVOA_V

ClientSampleId :

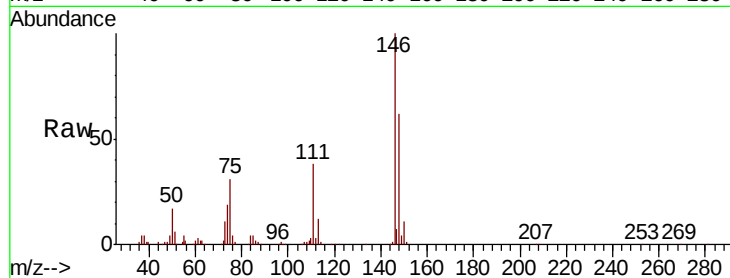
Tot Ion:146 Resp: 145223

Ion Ratio Lower Upper

146 100

111 38.0 28.1 52.1

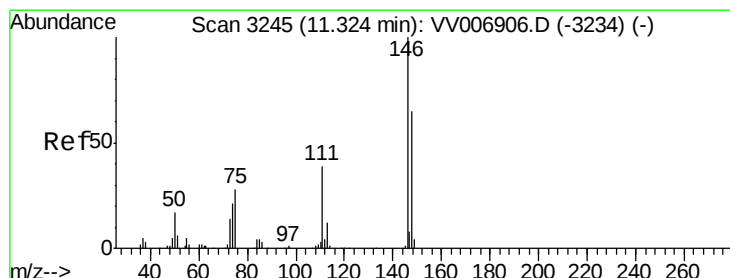
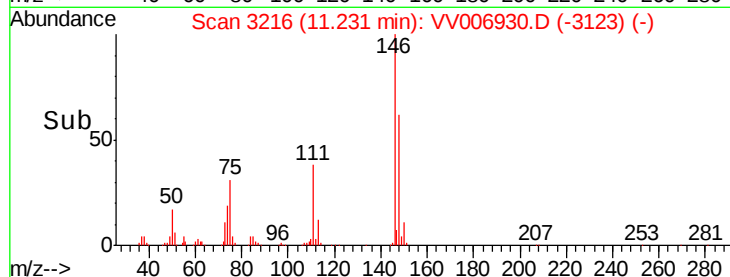
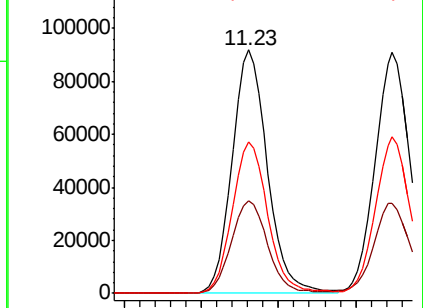
148 62.2 45.0 83.6



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: 5.402 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

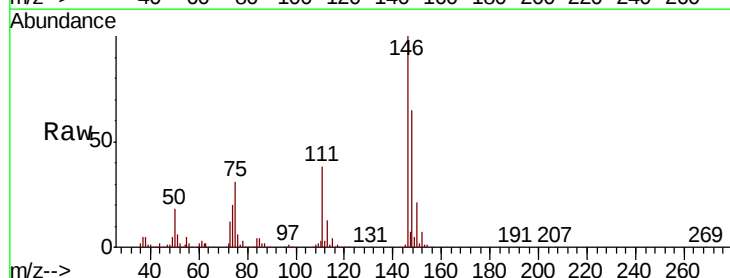
Tgt Ion:146 Resp: 148070

Ion Ratio Lower Upper

146 100

111 37.5 29.0 53.9

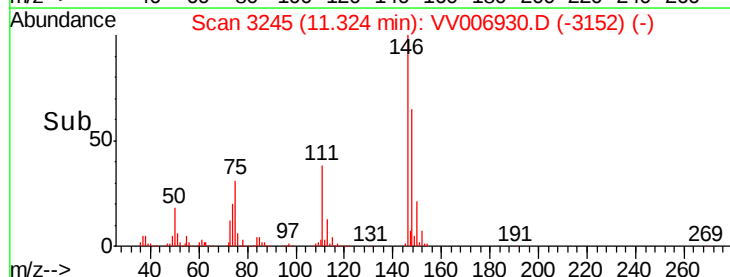
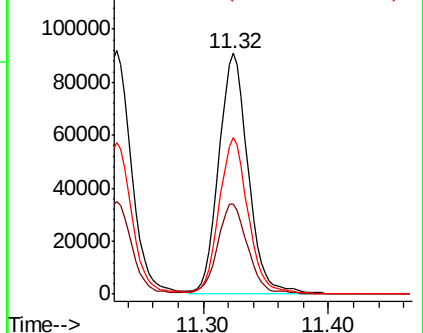
148 64.8 45.7 84.9

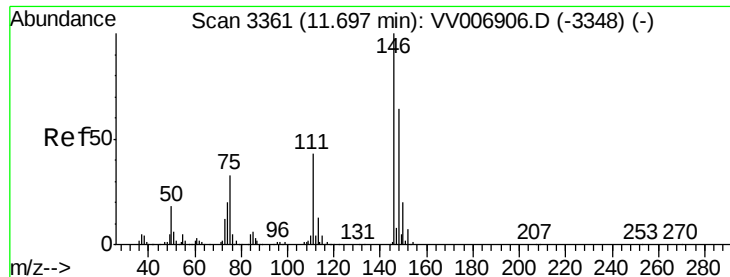


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.257 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

Instrument :

MSVOA_V

ClientSampled :

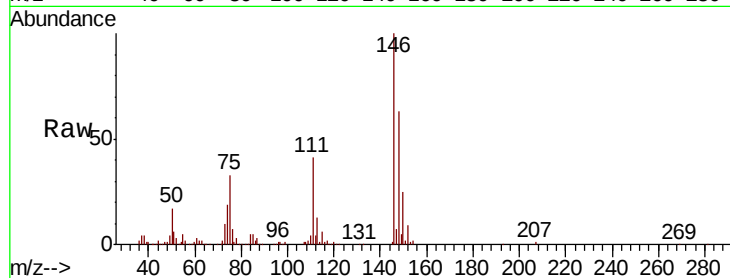
Tot Ion:146 Resp: 145358

Ion Ratio Lower Upper

146 100

111 41.1 34.5 51.7

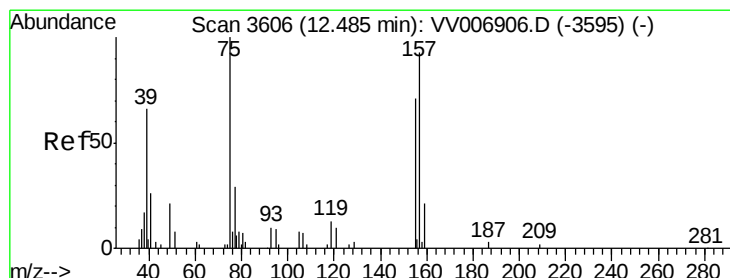
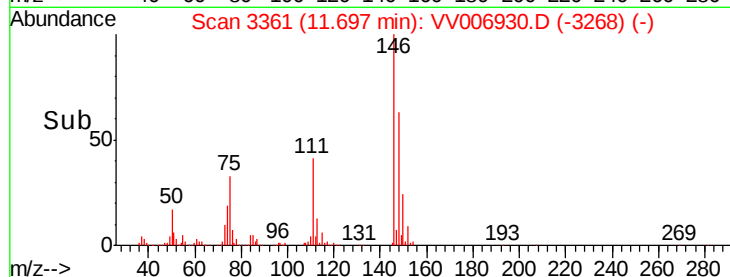
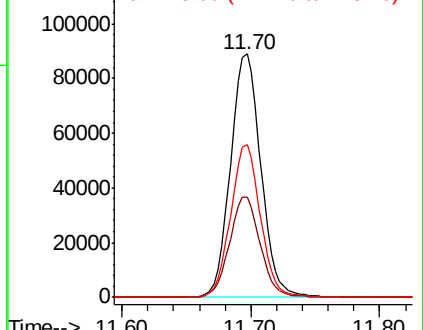
148 62.7 50.3 75.5



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: 4.324 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

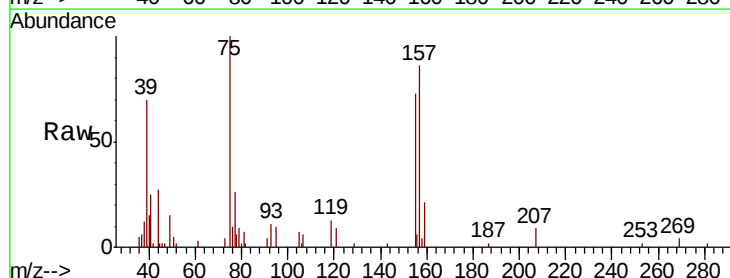
Tgt Ion: 75 Resp: 10428

Ion Ratio Lower Upper

75 100

155 73.2 48.1 72.1#

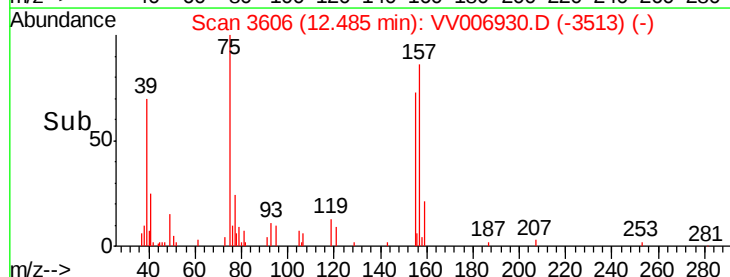
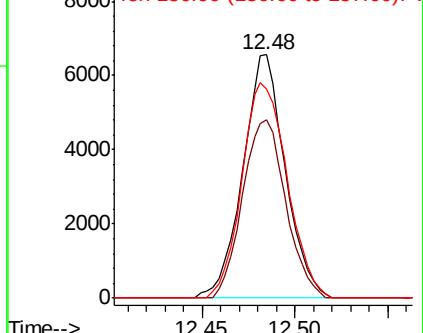
157 86.1 71.4 107.0

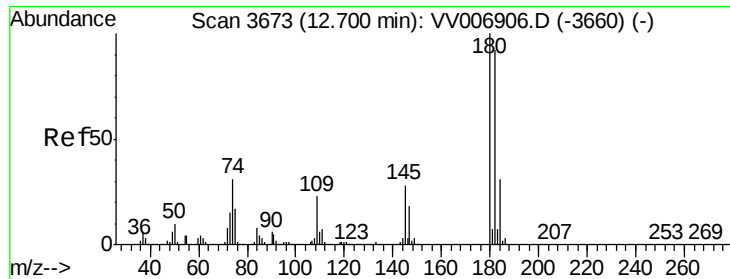


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

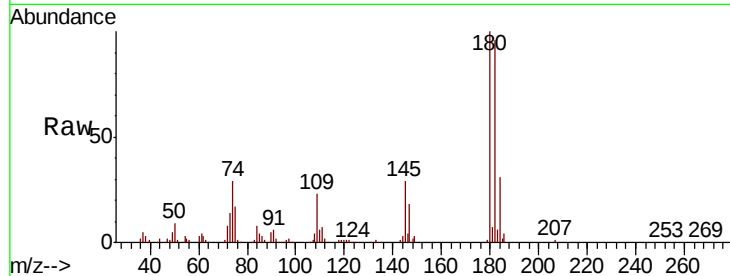




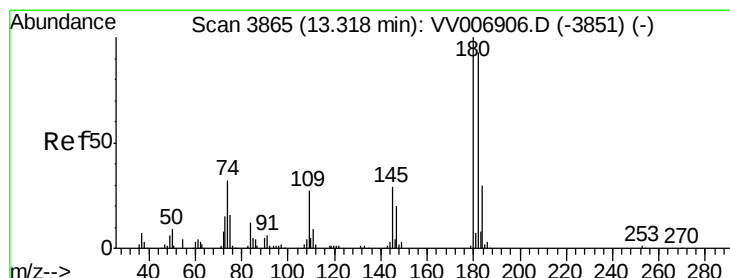
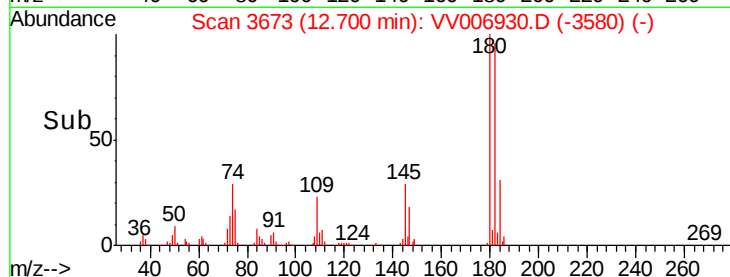
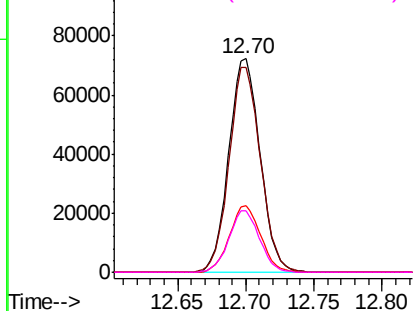
#67
 1,3,5-Trichlorobenzene
 Concen: 5.517 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV006930.D
 Acq: 08 Aug 2018 10:33

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	115112
Ion Ratio	Lower	Upper
180	100	
182	96.1	75.8 113.8
184	30.7	23.8 35.6
145	28.3	22.4 33.6

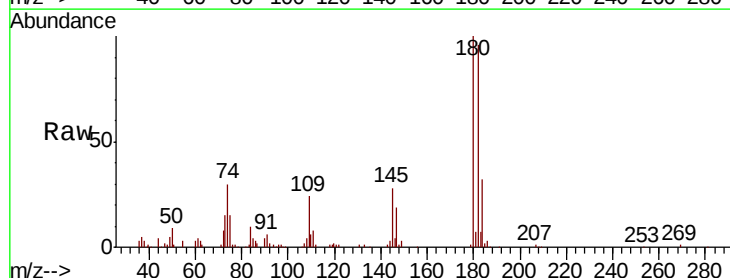


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

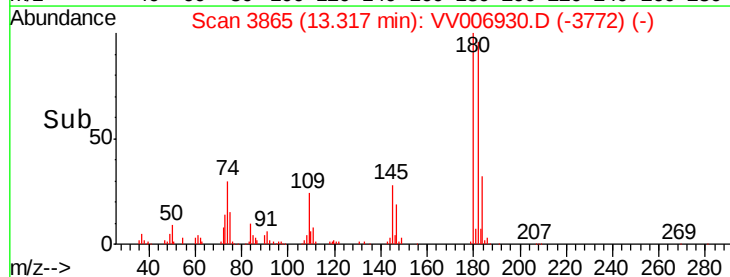
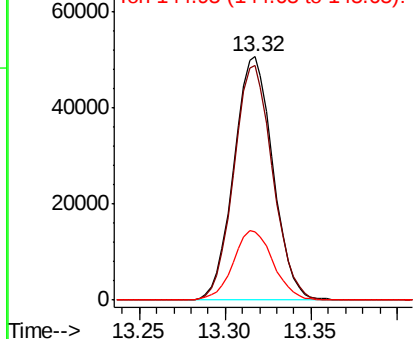


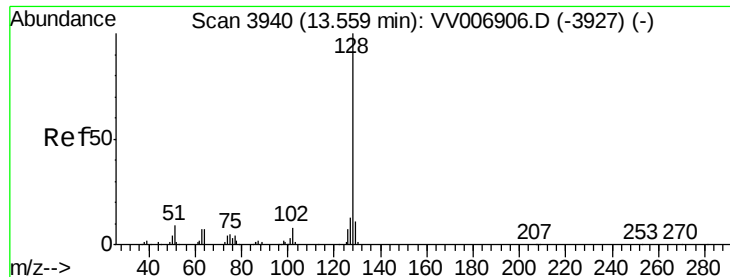
#68
 1,2,4-trichlorobenzene
 Concen: 5.451 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV006930.D
 Acq: 08 Aug 2018 10:33

Tgt Ion:180	Resp:	80234
Ion Ratio	Lower	Upper
180	100	
182	95.9	71.8 107.8
145	29.2	21.0 31.6



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: 4.956 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

Instrument :

MSVOA_V

ClientSampleId :

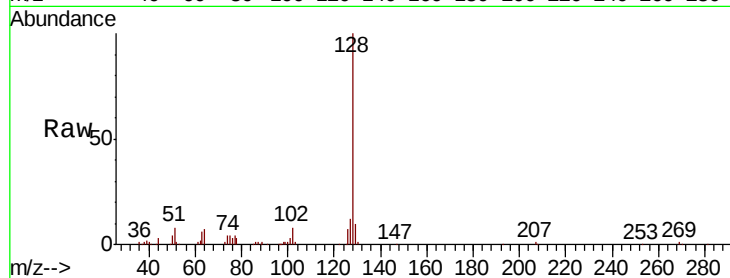
Tot Ion:128 Resp: 114244

Ion Ratio Lower Upper

128 100

129 10.8 9.3 13.9

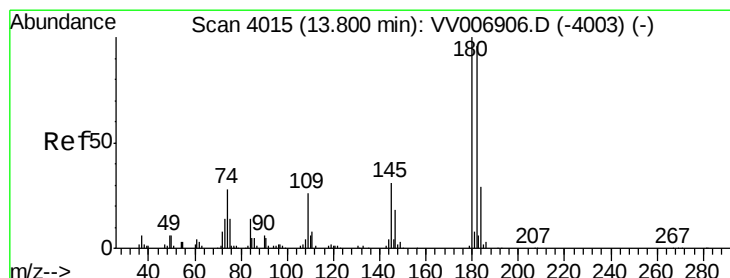
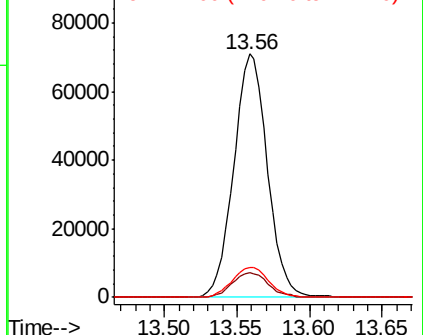
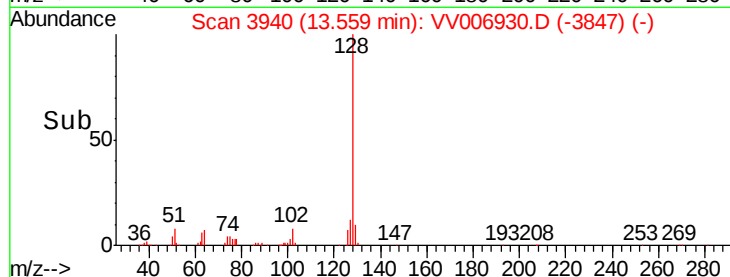
127 13.5 10.2 15.4



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: 5.427 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006930.D

Acq: 08 Aug 2018 10:33

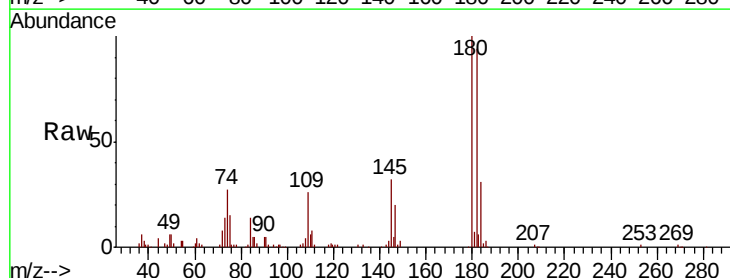
Tgt Ion:180 Resp: 79081

Ion Ratio Lower Upper

180 100

182 95.7 77.0 115.6

145 31.3 25.0 37.6



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

