

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080718\
 Data File : VV006900.D
 Acq On : 07 Aug 2018 16:21
 Operator : SY/MD
 Sample : VSTD0.565
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 08 06:41:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 08 06:39:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	171620	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	156278	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	60953	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	4506	0.39	ug/L	0.00
7) Chloroethane-d5	1.58	69	5832	0.57	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	10249	0.47	ug/L	0.00
20) 2-Butanone-d5	3.98	46	12790	4.30	ug/L	0.00
24) Chloroform-d	4.40	84	9834	0.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	4951	0.46	ug/L	0.00
32) Benzene-d6	5.10	84	16345	0.40	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	6346	0.46	ug/L	0.00
41) Toluene-d8	7.36	98	13204	0.36	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	1634	0.33	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	6154	2.87	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	4356	0.42	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	4533	0.41	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	6500	0.469 ug/L	99
3) Chloromethane	1.25	50	10689	0.535 ug/L	96
5) Vinyl chloride	1.32	62	7724	0.491 ug/L	99
6) Bromomethane	1.54	94	1784	0.457 ug/L	100
8) Chloroethane	1.60	64	4723	0.455 ug/L	93
9) Trichlorofluoromethane	1.77	101	9172	0.480 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	5632	0.472 ug/L	97
12) 1,1-Dichloroethene	2.14	96	5877	0.532 ug/L	93
13) Acetone	2.21	43	11637	5.615 ug/L	98
14) Carbon disulfide	2.32	76	16925	0.508 ug/L #	84
15) Methyl Acetate	2.47	43	2727	0.443 ug/L #	69
16) Methylene chloride	2.54	84	9154	0.685 ug/L	93
17) Methyl tert-butyl Ether	2.81	73	13469	0.452 ug/L	94
18) trans-1,2-Dichloroethene	2.79	96	6279	0.520 ug/L	93
19) 1,1-Dichloroethane	3.22	63	11431	0.502 ug/L	99
21) 2-Butanone	4.06	43	14470	4.458 ug/L	85
22) cis-1,2-Dichloroethene	3.96	96	6155	0.481 ug/L	78
23) Bromochloromethane	4.30	128	2305	0.415 ug/L	89
25) Chloroform	4.43	83	11078	0.498 ug/L	98
27) 1,2-Dichloroethane	5.20	62	6916	0.506 ug/L #	90
29) 1,1,1-Trichloroethane	4.66	97	9129	0.497 ug/L #	89
30) Cyclohexane	4.72	56	8094	0.433 ug/L	93
31) Carbon tetrachloride	4.87	117	7461	0.491 ug/L	96
33) Benzene	5.15	78	22045	0.455 ug/L	100
34) Trichloroethene	5.96	95	5242	0.431 ug/L	94
35) Methylcyclohexane	6.17	83	7519	0.394 ug/L	95
37) 1,2-Dichloropropane	6.23	63	6122	0.479 ug/L #	97
38) Bromodichloromethane	6.56	83	6989	0.477 ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	6263	0.386 ug/L	90
40) 4-Methyl-2-pentanone	7.29	43	29613	4.122 ug/L	99

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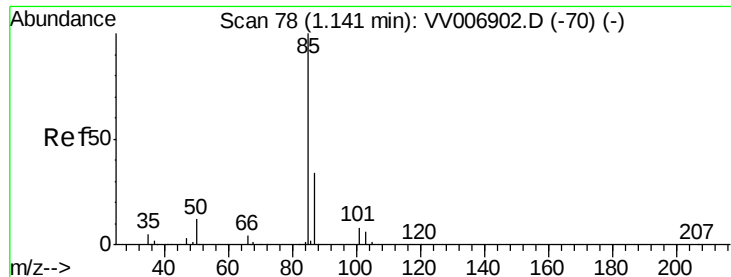
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 08 06:41:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080718WMA.M
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 Response via : Initial Calibration

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

42) Toluene	7.44	91	18430	0.389	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	5369	0.398	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	3672	0.404	ug/L	91
47) Tetrachloroethene	8.03	164	3853	0.403	ug/L	95
48) 2-Hexanone	8.20	43	19334	3.922	ug/L	92
49) Dibromochloromethane	8.30	129	3697	0.399	ug/L	98
50) 1,2-Dibromoethane	8.40	107	3245	0.423	ug/L #	79
51) Chlorobenzene	8.93	112	11803	0.394	ug/L	94
52) Ethylbenzene	9.06	91	18109	0.371	ug/L	100
53) m,p-xylene	9.19	106	6233	0.347	ug/L	90
54) o-xylene	9.59	106	6391	0.352	ug/L	85
55) Styrene	9.61	104	8382	0.291	ug/L	81
56) Isopropylbenzene	9.98	105	15990	0.347	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.30	83	4845	0.436	ug/L #	99
59) 1,2,3-Trichloropropane	10.32	75	3491	0.447	ug/L	97
61) Bromoform	9.78	173	2305	0.546	ug/L	96
62) 1,3-Dichlorobenzene	11.23	146	8237	0.435	ug/L	91
63) 1,4-Dichlorobenzene	11.33	146	7323	0.391	ug/L	97
65) 1,2-Dichlorobenzene	11.70	146	7323	0.393	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	767	0.560	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.70	180	5749	0.396	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	3453	0.309	ug/L	89
69) Naphthalene	13.56	128	5420	0.284	ug/L #	96
70) 1,2,3-Trichlorobenzene	13.80	180	3377	0.313	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.469 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006900.D

Acq: 07 Aug 2018 16:21

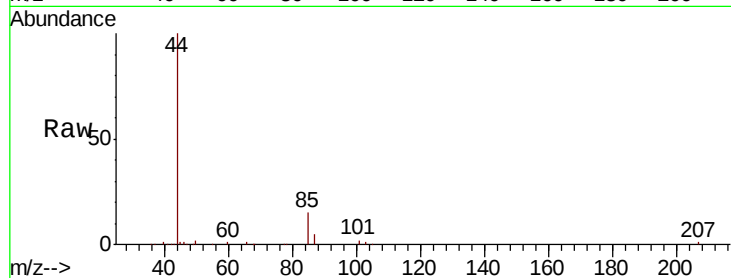
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 6500

Ion Ratio Lower Upper

85 100

87 33.1 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VV006900.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV006900.D (-1) (-)

1.14

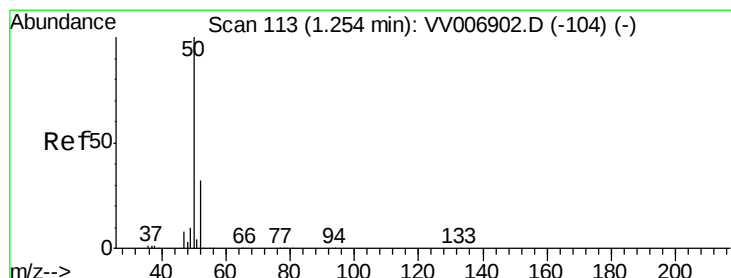
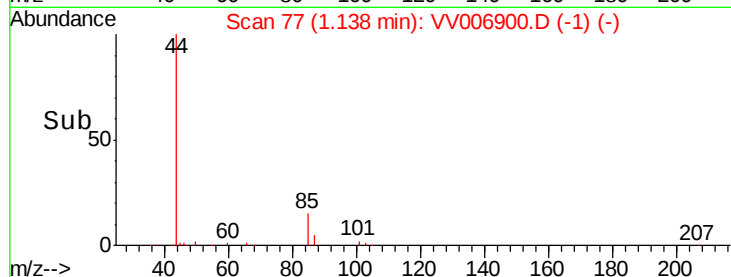
6000

4000

2000

0

Time--> 1.10 1.12 1.14 1.16 1.18



#3

Chloromethane

Concen: 0.535 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV006900.D

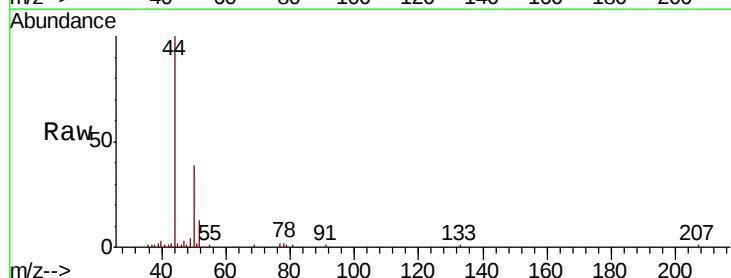
Acq: 07 Aug 2018 16:21

Tgt Ion: 50 Resp: 10689

Ion Ratio Lower Upper

50 100

52 33.8 22.3 41.3



Abundance Ion 50.05 (49.75 to 50.75): VV006900.D (-20) (-)

Ion 52.05 (51.75 to 52.75): VV006900.D (-20) (-)

1.25

10000

8000

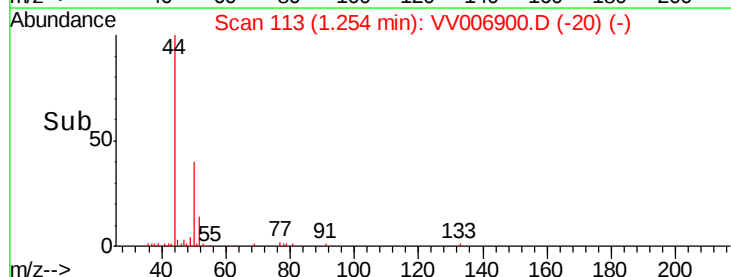
6000

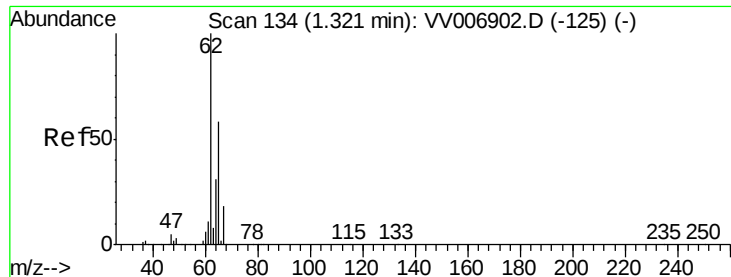
4000

2000

0

Time--> 1.20 1.25 1.30





#5

Vinyl chloride

Concen: 0.491 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV006900.D

Acq: 07 Aug 2018 16:21

Instrument :

MSVOA_V

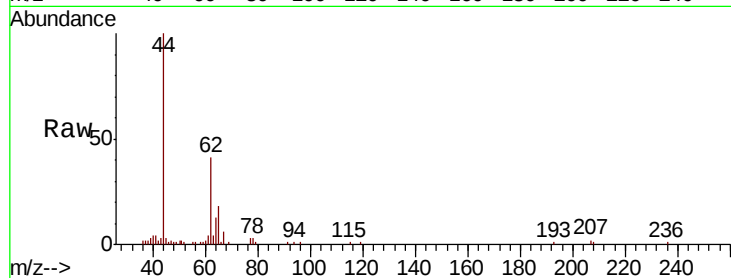
ClientSampleId :

Tot Ion: 62 Resp: 7724

Ion Ratio Lower Upper

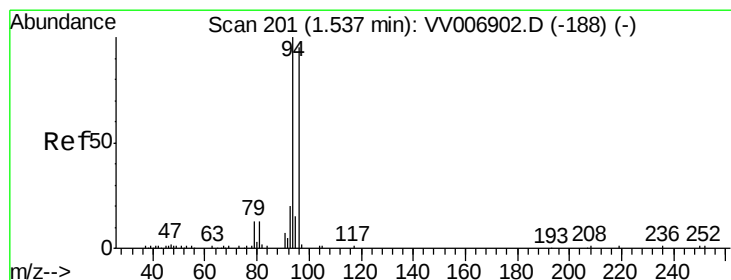
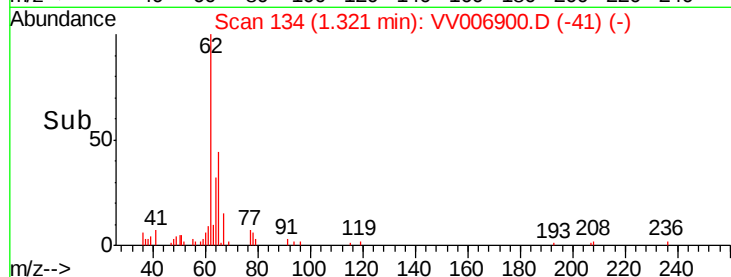
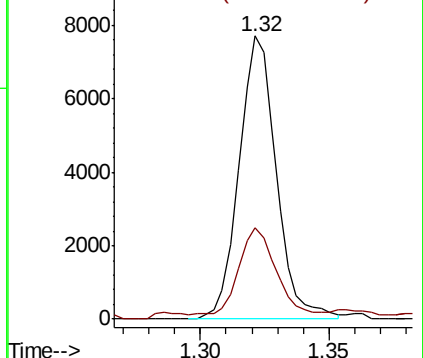
62 100

64 32.3 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV006900.D (-125) (-)

Ion 64.10 (63.80 to 64.80): VV006900.D (-125) (-)



#6

Bromomethane

Concen: 0.457 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV006900.D

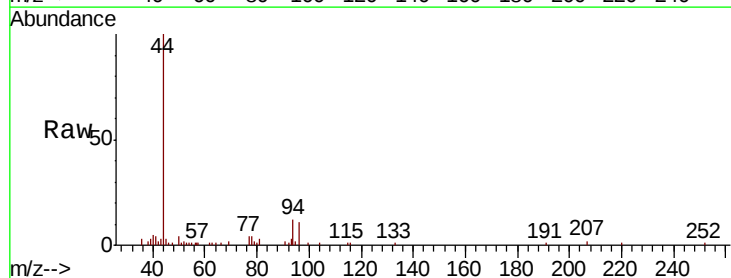
Acq: 07 Aug 2018 16:21

Tgt Ion: 94 Resp: 1784

Ion Ratio Lower Upper

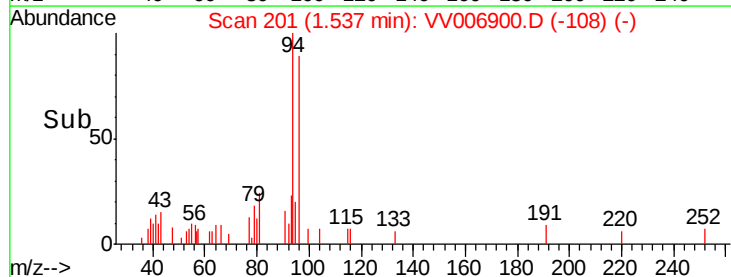
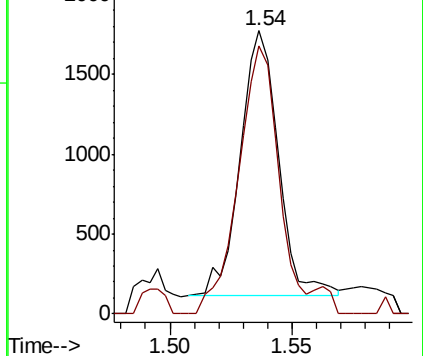
94 100

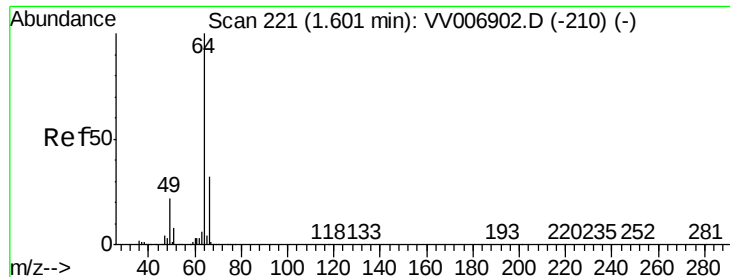
96 94.9 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV006900.D (-188) (-)

Ion 96.00 (95.70 to 96.70): VV006900.D (-188) (-)

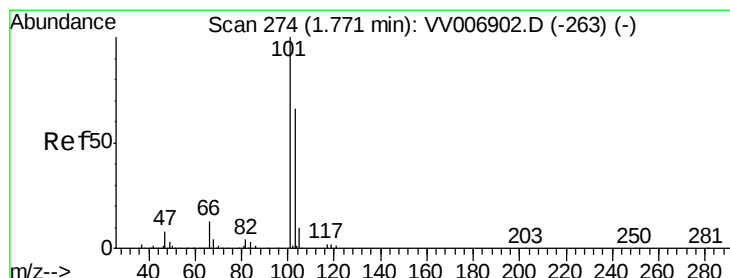
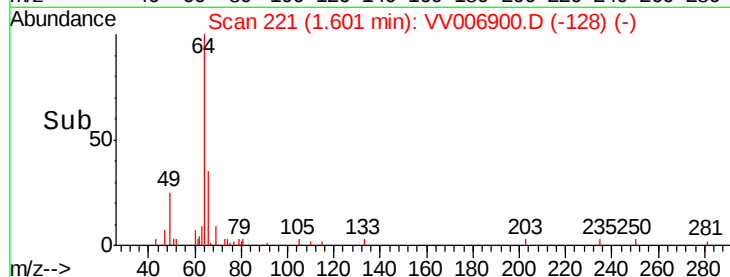
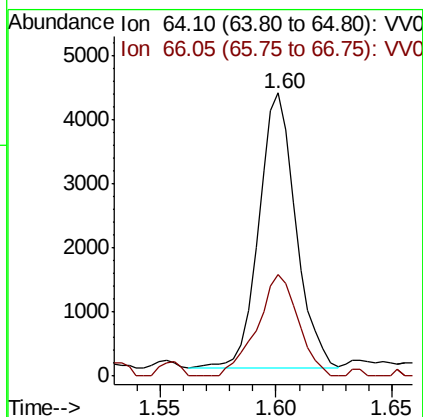
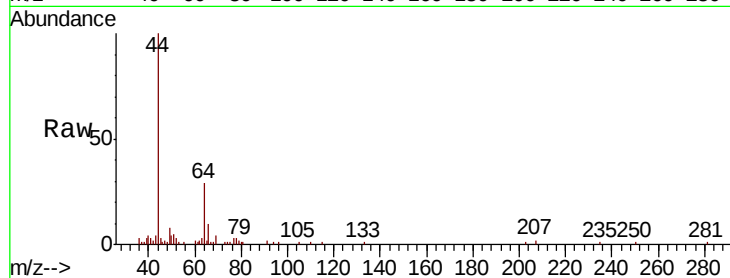




#8
Chloroethane
Concen: 0.455 ug/L
RT: 1.60 min Scan# 221
Delta R.T. 0.00 min
Lab File: VV006900.D
Acq: 07 Aug 2018 16:21

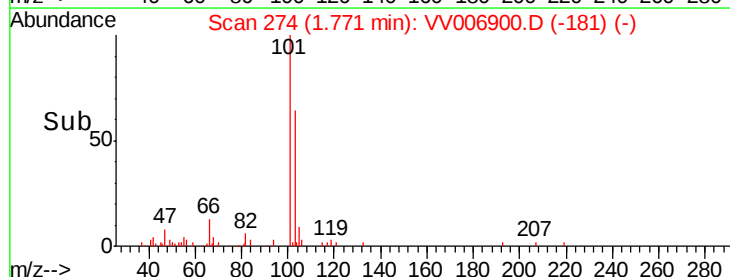
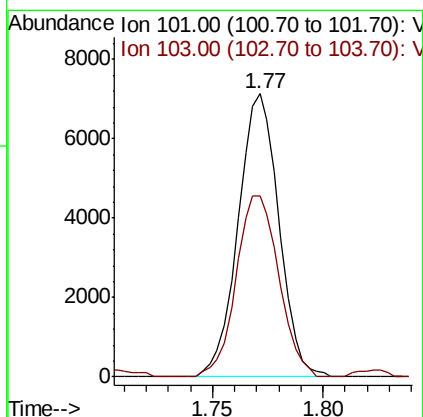
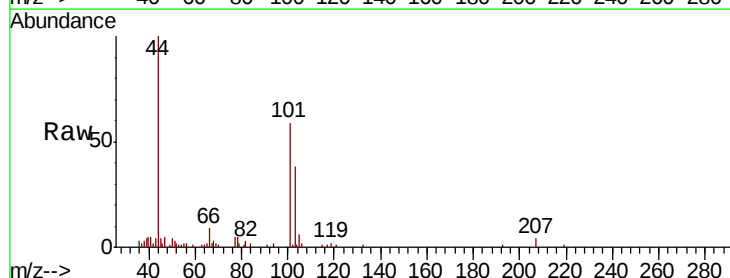
Instrument :
MSVOA_V
ClientSampleId :

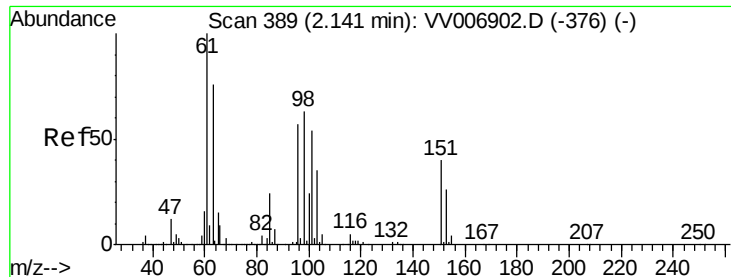
Tot Ion: 64 Resp: 4723
Ion Ratio Lower Upper
64 100
66 35.9 22.6 42.0



#9
Trichlorofluoromethane
Concen: 0.480 ug/L
RT: 1.77 min Scan# 274
Delta R.T. 0.00 min
Lab File: VV006900.D
Acq: 07 Aug 2018 16:21

Tgt Ion: 101 Resp: 9172
Ion Ratio Lower Upper
101 100
103 66.9 52.3 78.5





#10

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

Concen: 0.472 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006900.D

Acq: 07 Aug 2018 16:21

Instrument :

MSVOA_V

ClientSampleId :

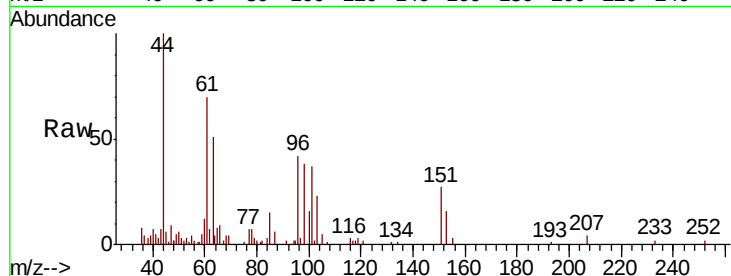
Tot Ion:101 Resp: 5632

Ion Ratio Lower Upper

101 100

85 44.1 36.2 54.4

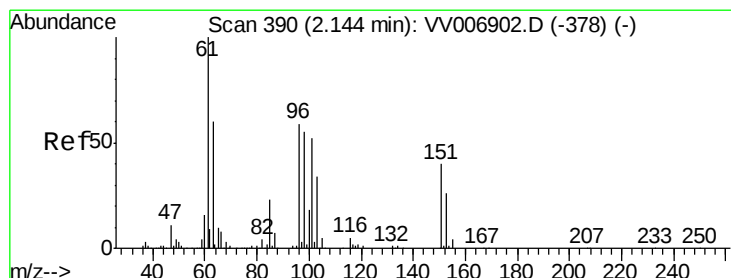
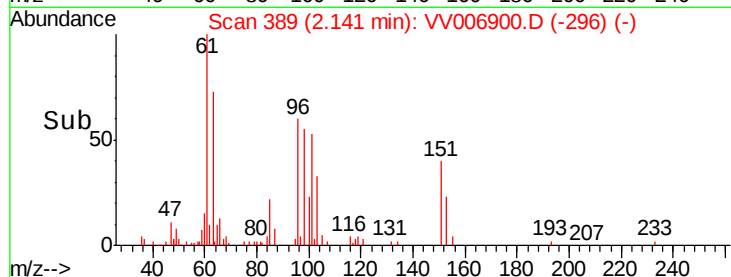
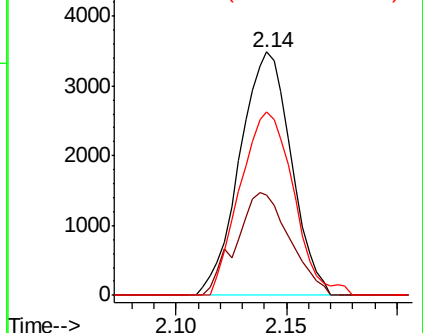
151 78.5 59.8 89.8



Abundance Ion 101.00 (100.70 to 101.70): VV006900.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV006900.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV006900.D (-296) (-)



#12

1,1-Dichloroethene

Concen: 0.532 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006900.D

Acq: 07 Aug 2018 16:21

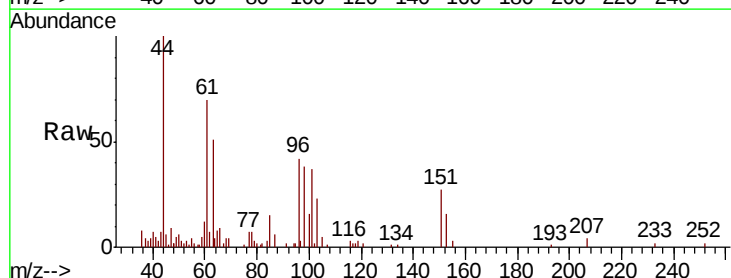
Tgt Ion: 96 Resp: 5877

Ion Ratio Lower Upper

96 100

61 166.9 119.0 221.0

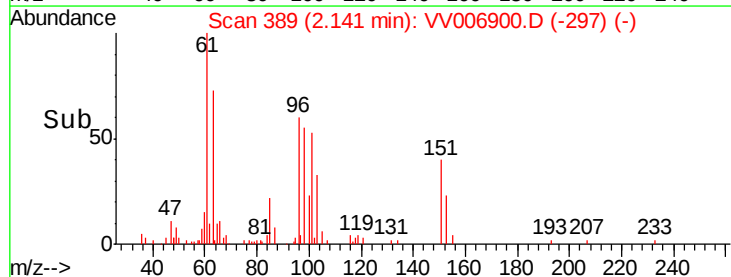
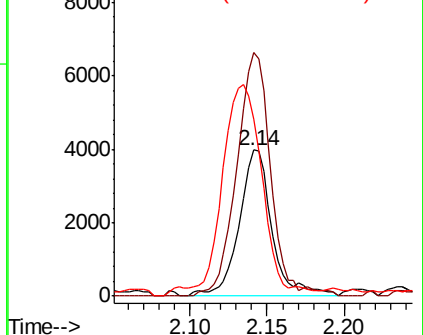
63 121.2 73.6 136.6

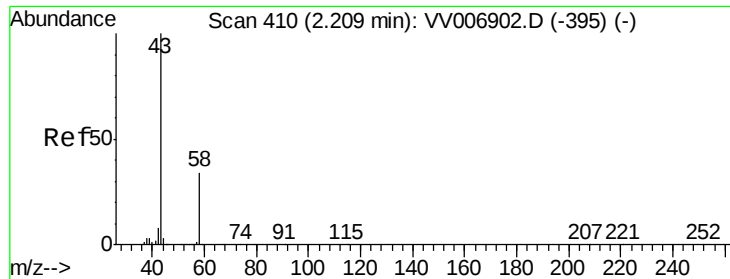


Abundance Ion 96.00 (95.70 to 96.70): VV006900.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV006900.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV006900.D (-297) (-)





#13

Acetone

Concen: 5.615 ug/L

RT: 2.21 min Scan# 411

Delta R.T. 0.00 min

Lab File: VV006900.D

Acq: 07 Aug 2018 16:21

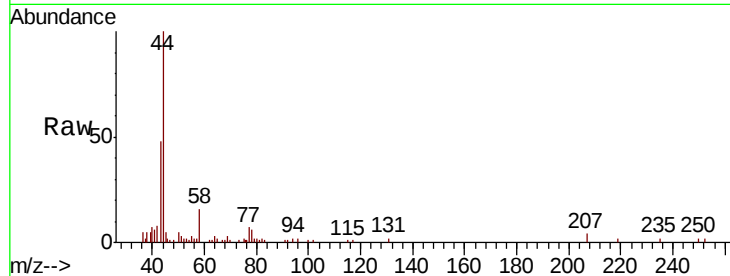
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 11637

Ion Ratio Lower Upper

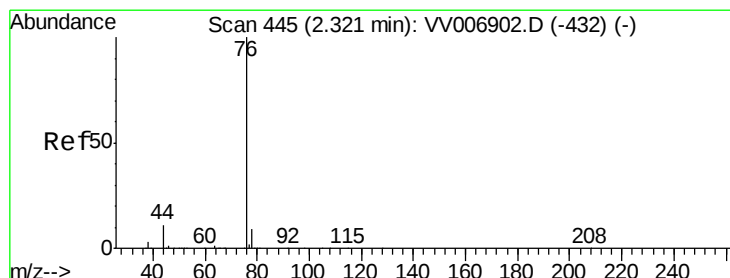
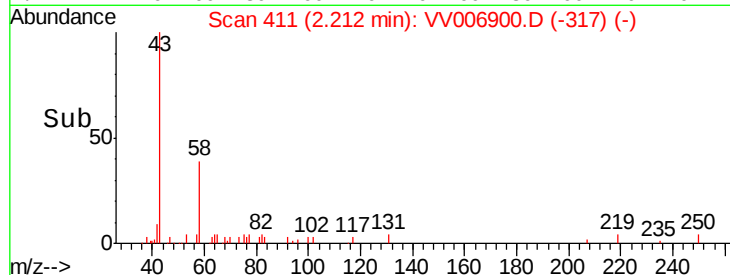
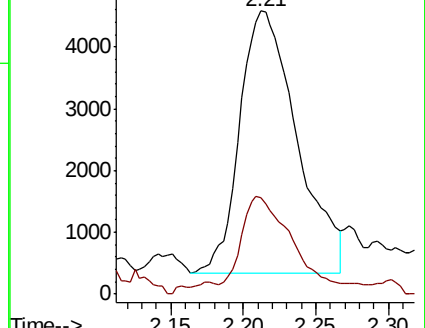
43 100

58 35.2 0.0 68.0



Abundance Ion 43.05 (42.75 to 43.75): VV006902.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VV006902.D (-395) (-)



#14

Carbon disulfide

Concen: 0.508 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006900.D

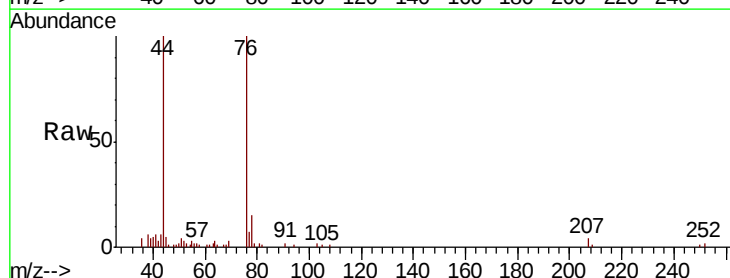
Acq: 07 Aug 2018 16:21

Tgt Ion: 76 Resp: 16925

Ion Ratio Lower Upper

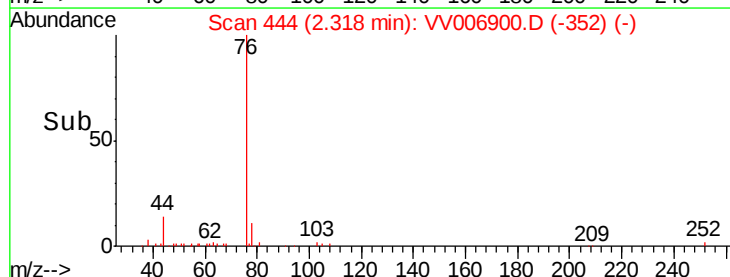
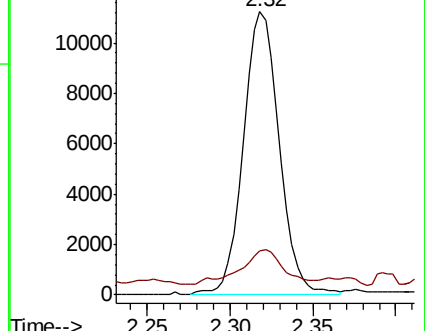
76 100

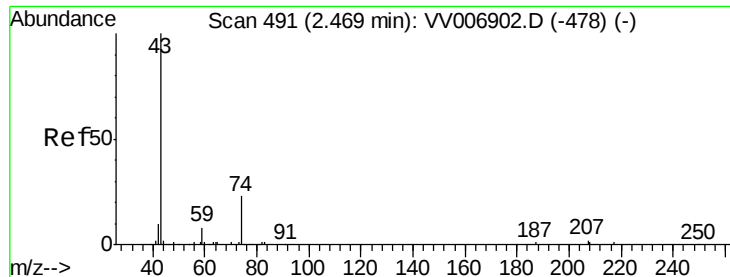
78 15.5 7.8 11.6#



Abundance Ion 76.05 (75.75 to 76.75): VV006902.D (-432) (-)

Ion 78.00 (77.70 to 78.70): VV006902.D (-432) (-)





#15

Methyl Acetate

Concen: 0.443 ug/L

RT: 2.47 min Scan# 492

Delta R.T. 0.00 min

Lab File: VV006900.D

Acq: 07 Aug 2018 16:21

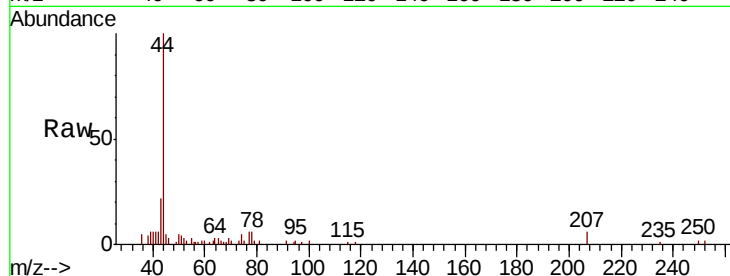
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 2727

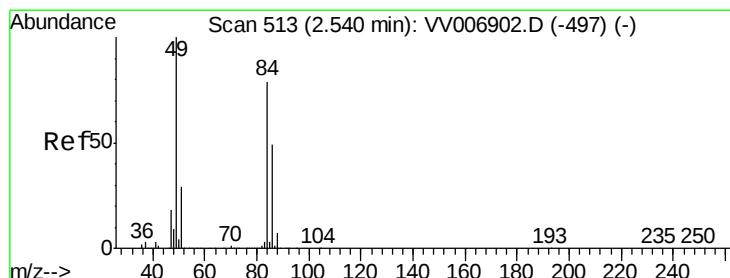
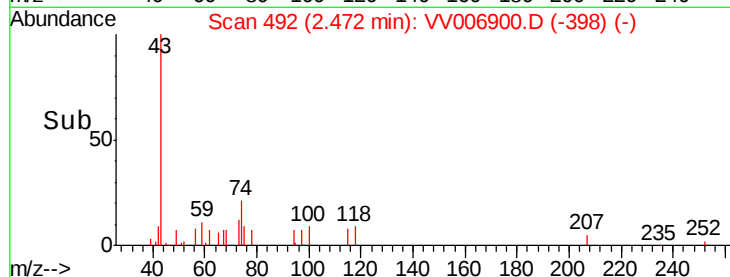
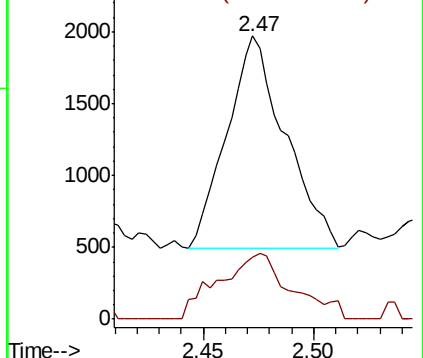
Ion Ratio Lower Upper

43 100

74 38.3 18.6 27.8#



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 0.685 ug/L

RT: 2.54 min Scan# 513

Delta R.T. 0.00 min

Lab File: VV006900.D

Acq: 07 Aug 2018 16:21

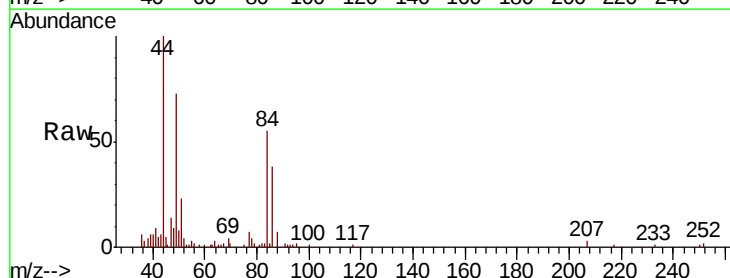
Tgt Ion: 84 Resp: 9154

Ion Ratio Lower Upper

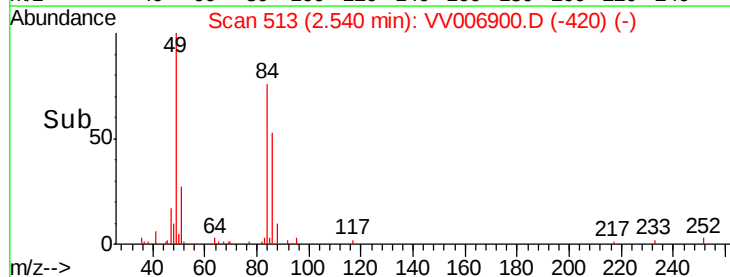
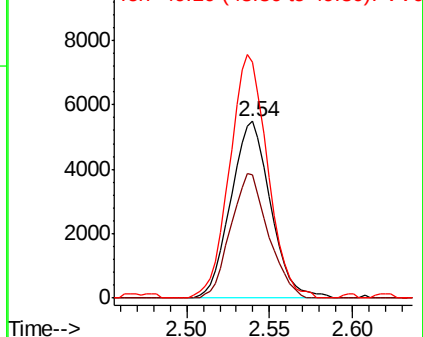
84 100

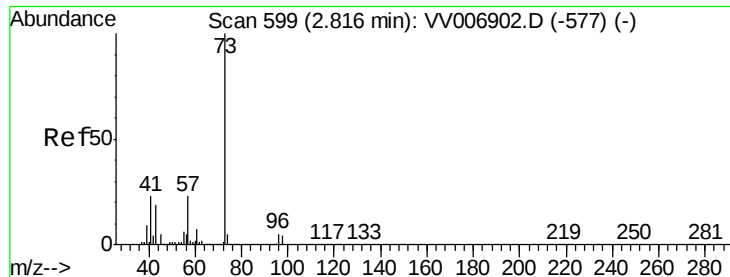
86 69.7 43.6 81.0

49 133.2 88.6 164.6



Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0



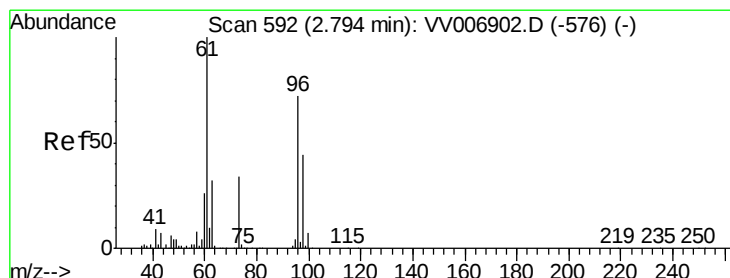
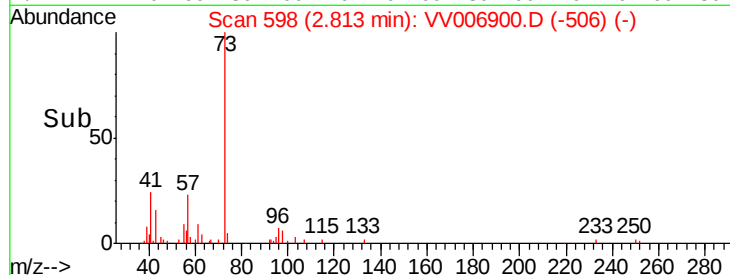
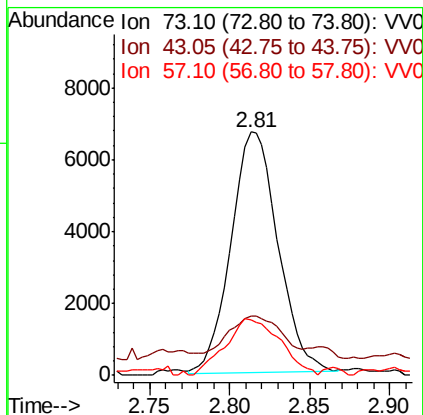
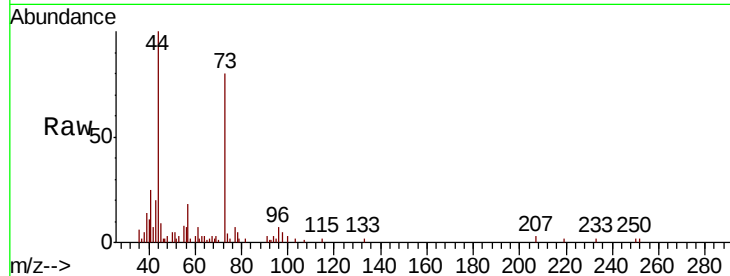


#17

Methvl tert-butvl Ether
 Concen: 0.452 ug/L
 RT: 2.81 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VV006900.D
 Acq: 07 Aug 2018 16:21

Instrument :
 MSVOA_V
 ClientSampleId :

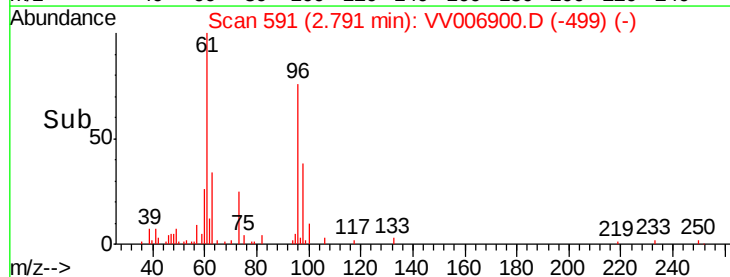
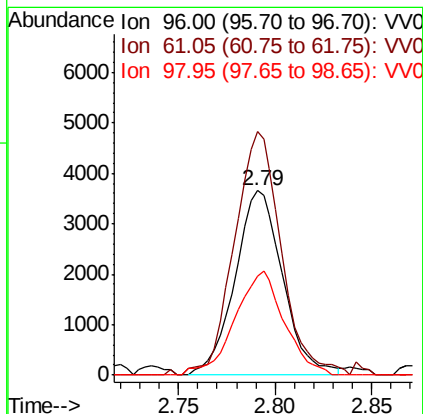
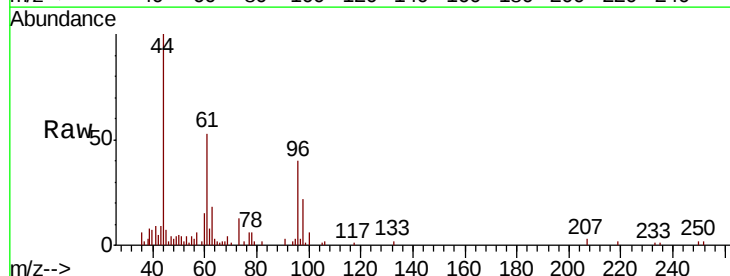
Tot Ion	Ratio	Lower	Upper
73	100		
43	21.3	15.3	22.9
57	27.3	18.8	28.2

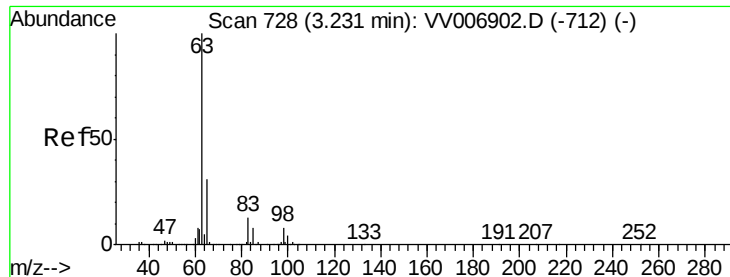


#18

trans-1,2-Dichloroethene
 Concen: 0.520 ug/L
 RT: 2.79 min Scan# 591
 Delta R.T. -0.00 min
 Lab File: VV006900.D
 Acq: 07 Aug 2018 16:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.1	97.3	180.7
98	53.5	42.8	79.6

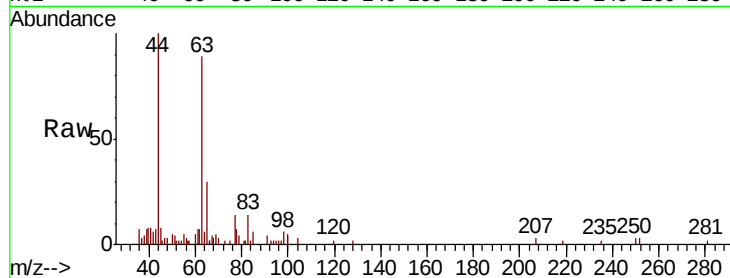




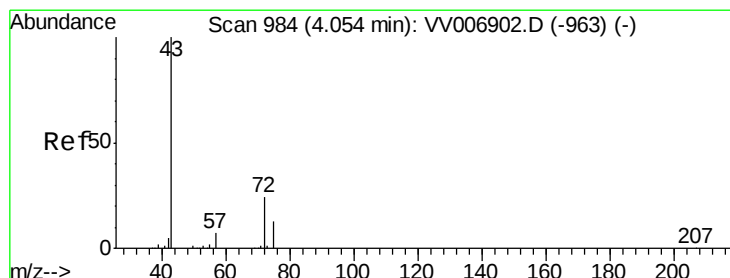
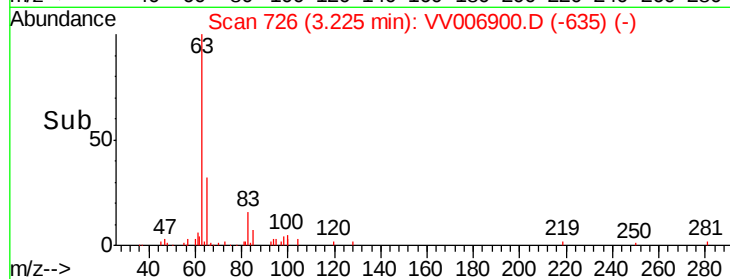
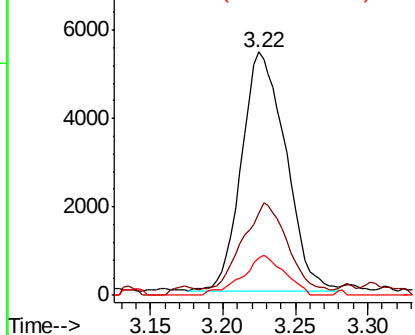
#19
 1,1-Dichloroethane
 Concen: 0.502 ug/L
 RT: 3.22 min Scan# 726
 Delta R.T. -0.01 min
 Lab File: VV006900.D
 Acq: 07 Aug 2018 16:21

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 11431
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.0 41.0
 83 14.6 9.0 16.8

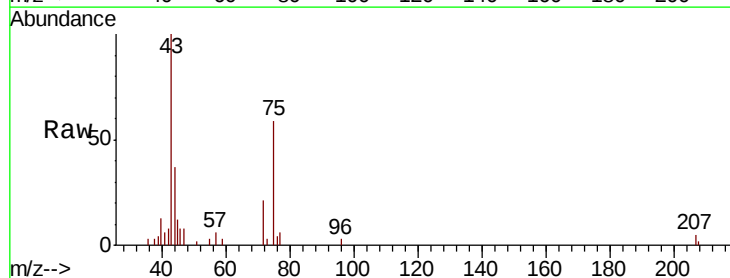


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

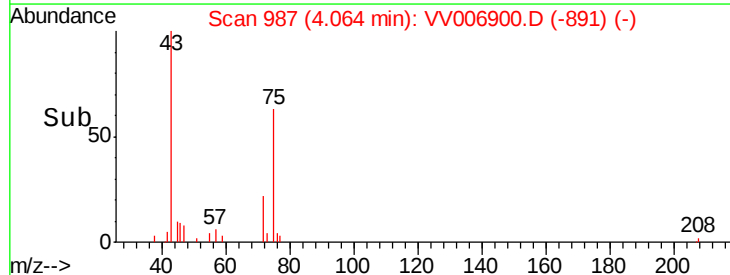
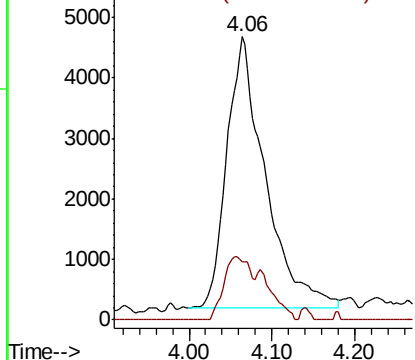


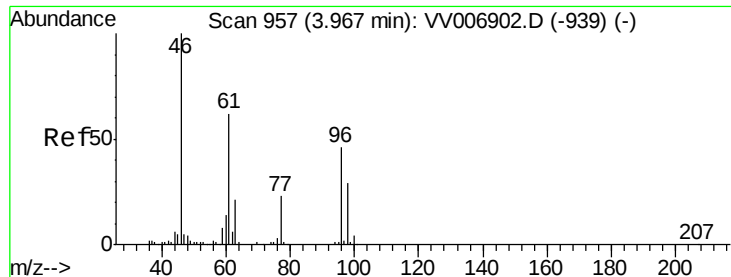
#21
 2-Butanone
 Concen: 4.458 ug/L
 RT: 4.06 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VV006900.D
 Acq: 07 Aug 2018 16:21

Tgt Ion: 43 Resp: 14470
 Ion Ratio Lower Upper
 43 100
 72 16.5 11.9 35.5



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



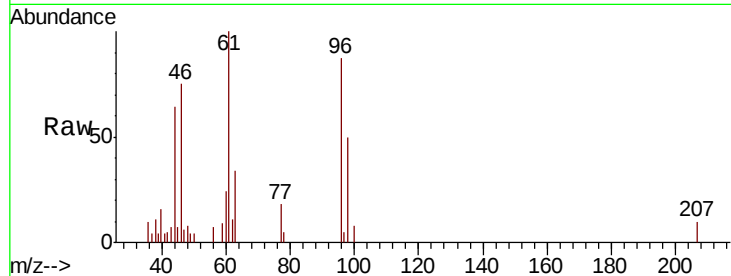


#22

cis-1,2-Dichloroethene
 Concen: 0.481 ug/L
 RT: 3.96 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: VV006900.D
 Acq: 07 Aug 2018 16:21

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	109.8	95.5	177.4
68	0.0	0.0	0.0

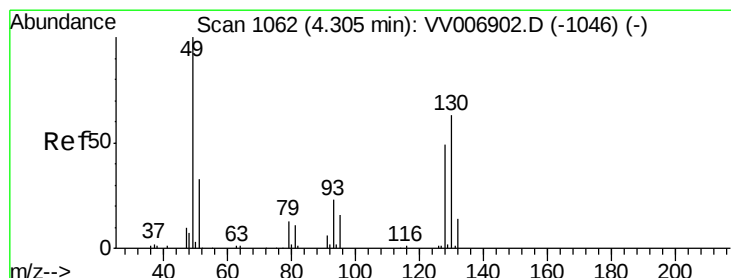
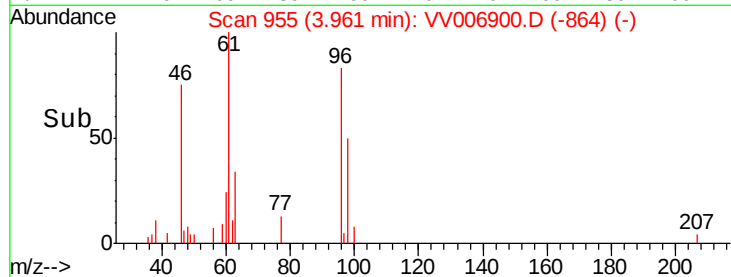
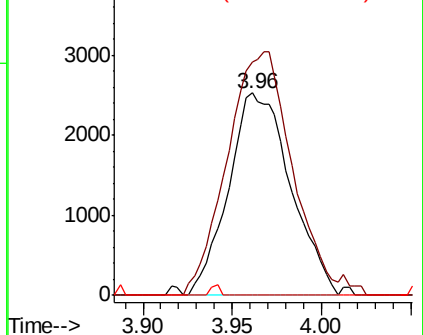


Abundance

Ion 96.00 (95.70 to 96.70): VV006900.D (-939) (-)

Ion 61.05 (60.75 to 61.75): VV006900.D (-939) (-)

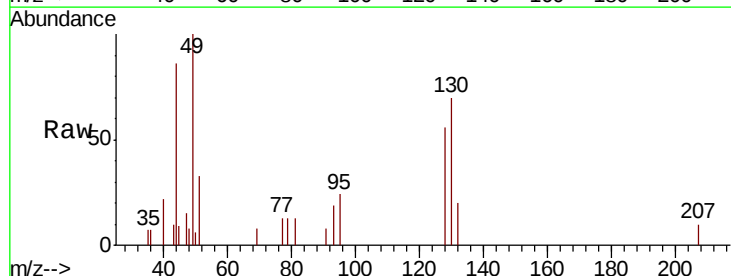
Ion 68.15 (67.85 to 68.85): VV006900.D (-939) (-)



#23

Bromochloromethane
 Concen: 0.415 ug/L
 RT: 4.30 min Scan# 1061
 Delta R.T. -0.00 min
 Lab File: VV006900.D
 Acq: 07 Aug 2018 16:21

Tgt Ion	Ratio	Lower	Upper
128	100		
49	177.5	141.5	262.9
130	123.6	89.7	166.7
51	59.2	53.5	80.3



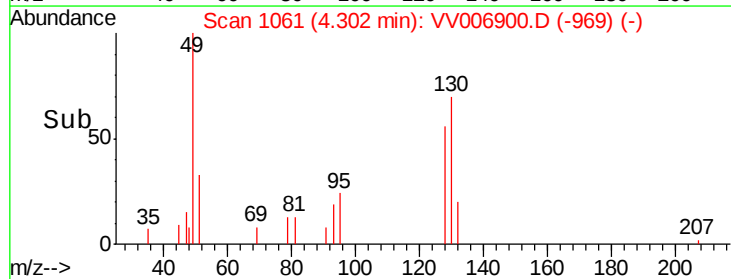
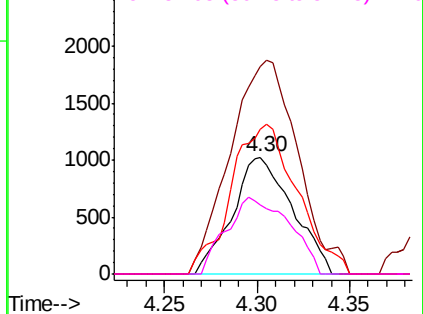
Abundance

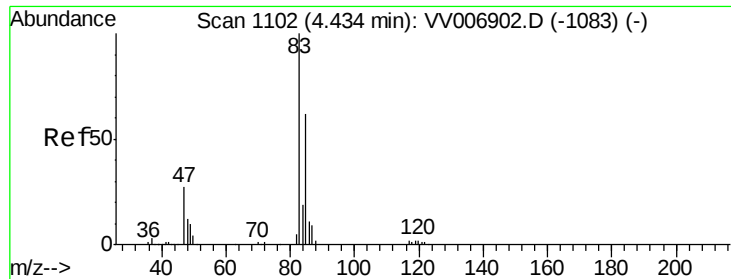
Ion 127.90 (127.60 to 128.60): VV006900.D (-1046) (-)

Ion 49.10 (48.80 to 49.80): VV006900.D (-1046) (-)

Ion 129.95 (129.65 to 130.65): VV006900.D (-1046) (-)

Ion 51.05 (50.75 to 51.75): VV006900.D (-1046) (-)

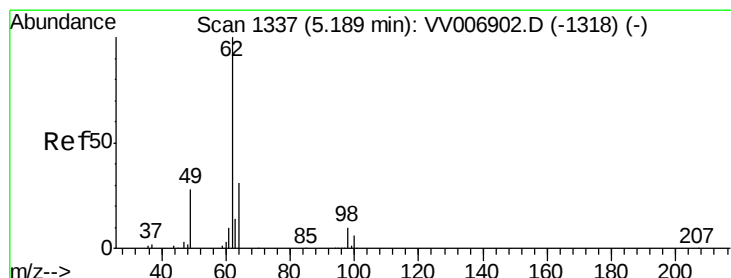
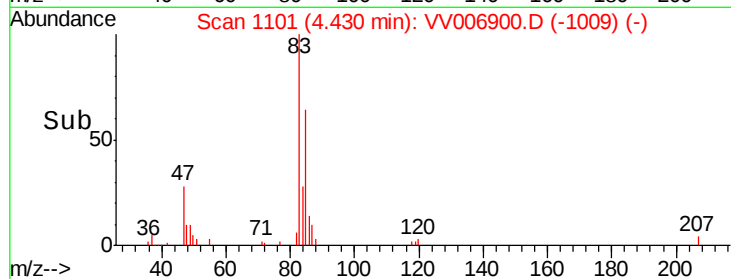
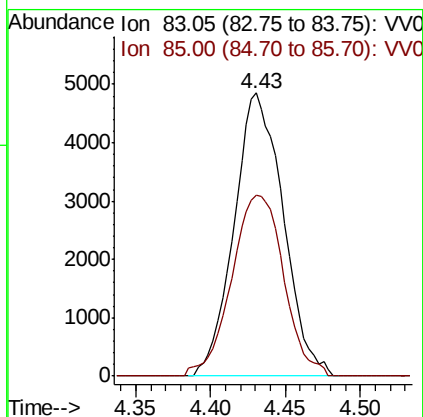
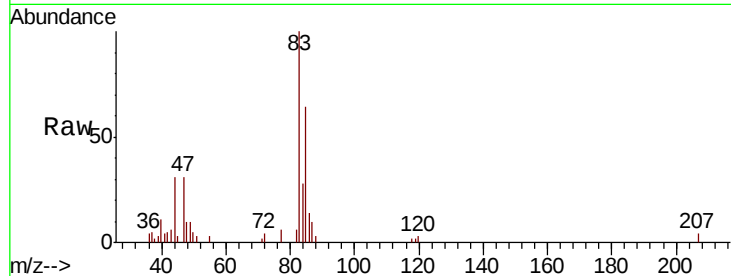




#25
Chloroform
Concen: 0.498 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV006900.D
Acq: 07 Aug 2018 16:21

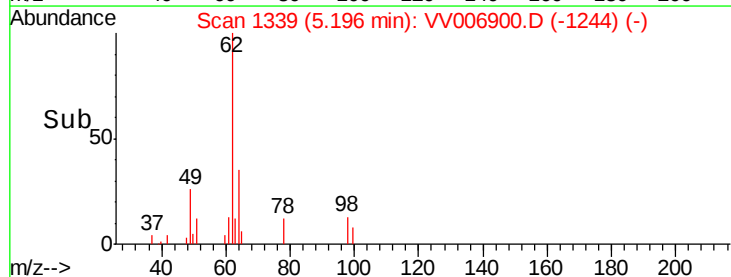
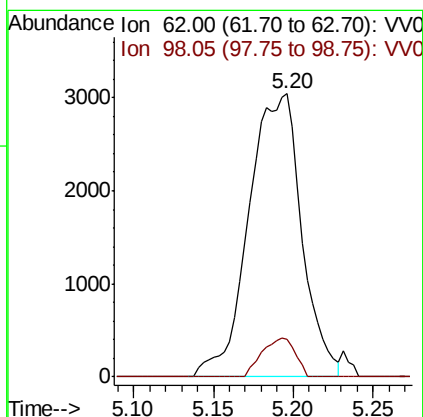
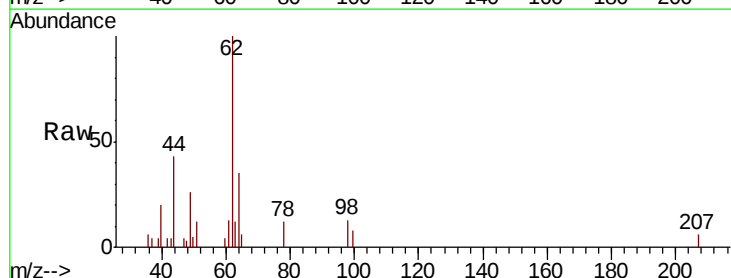
Instrument :
MSVOA_V
ClientSampleId :

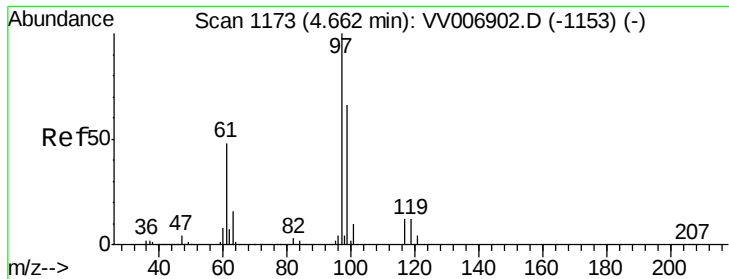
Tot Ion: 83 Resp: 11078
Ion Ratio Lower Upper
83 100
85 64.0 43.5 80.7



#27
1,2-Dichloroethane
Concen: 0.506 ug/L
RT: 5.20 min Scan# 1339
Delta R.T. 0.01 min
Lab File: VV006900.D
Acq: 07 Aug 2018 16:21

Tgt Ion: 62 Resp: 6916
Ion Ratio Lower Upper
62 100
98 13.4 7.8 11.8#

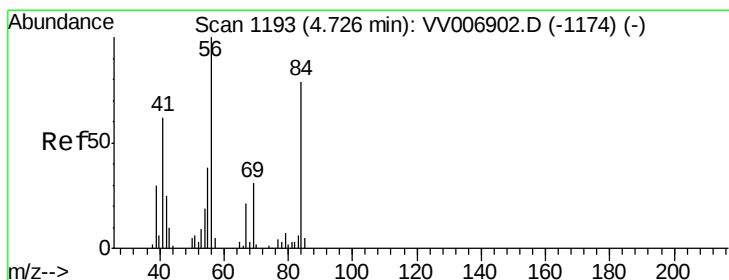
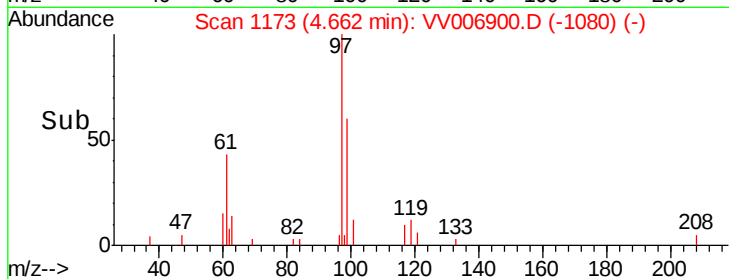
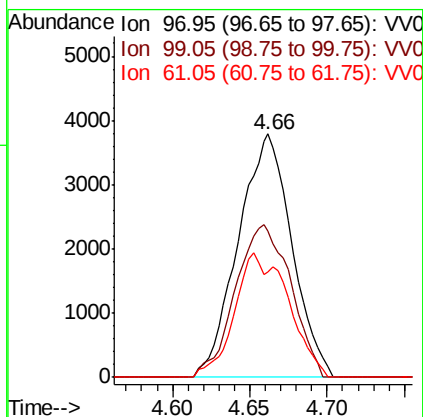
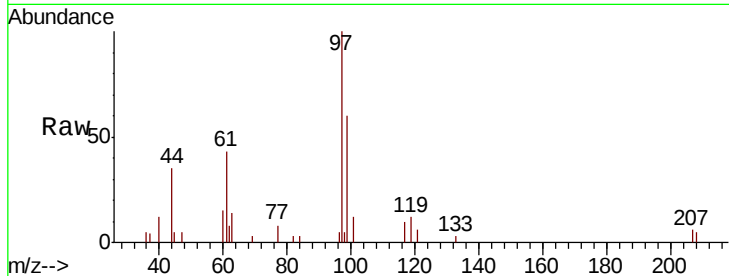




#29
 1,1,1-Trichloroethane
 Concen: 0.497 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV006900.D
 Acq: 07 Aug 2018 16:21

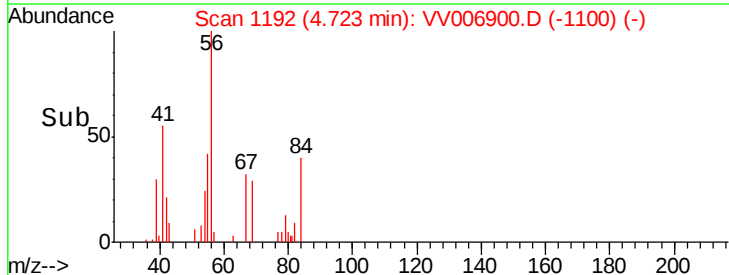
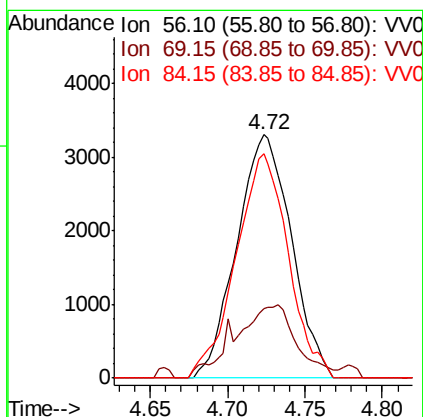
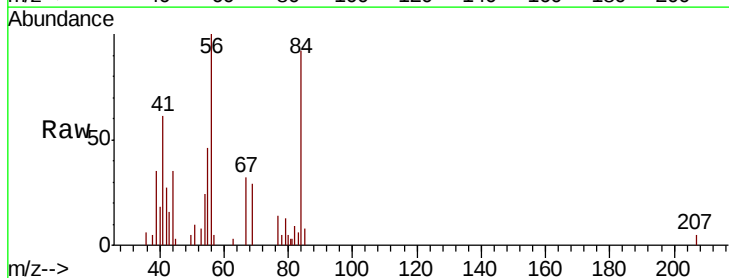
Instrument :
 MSVOA_V
 ClientSampled :

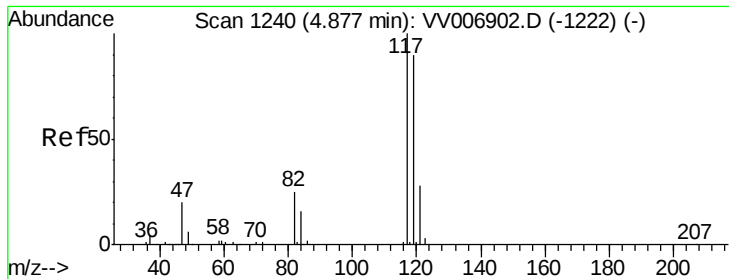
Tot Ion	97	Resp	9129
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.0	76.6
61	31.1	38.6	57.8#



#30
 Cyclohexane
 Concen: 0.433 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VV006900.D
 Acq: 07 Aug 2018 16:21

Tgt Ion	56	Resp	8094
Ion Ratio	Lower	Upper	
56	100		
69	26.4	24.2	36.2
84	88.4	65.5	98.3





#31

Carbon tetrachloride

Concen: 0.491 ug/L

RT: 4.87 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VV006900.D

Acq: 07 Aug 2018 16:21

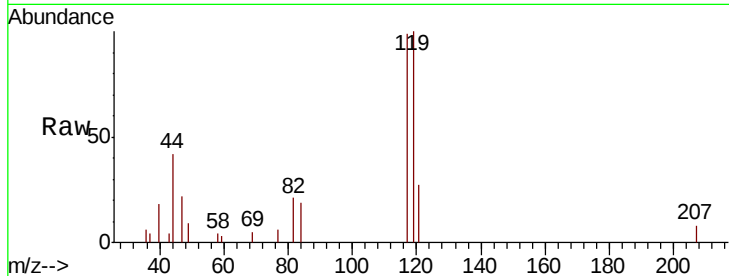
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:117 Resp: 7461

Ion Ratio Lower Upper

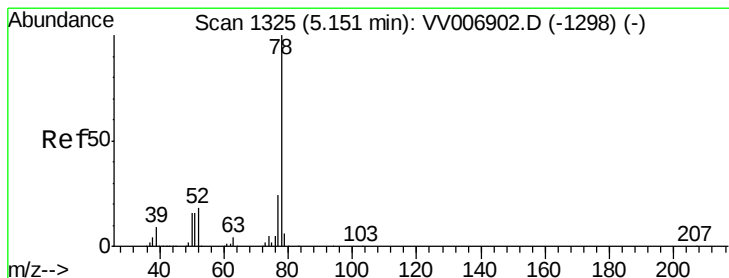
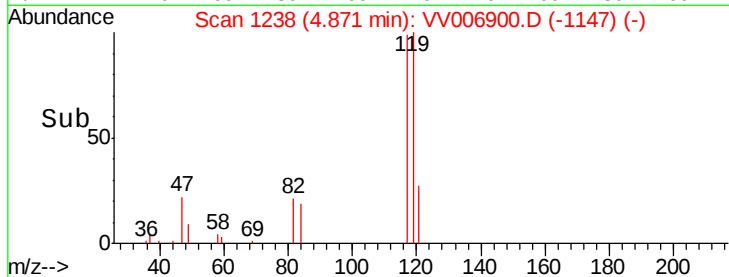
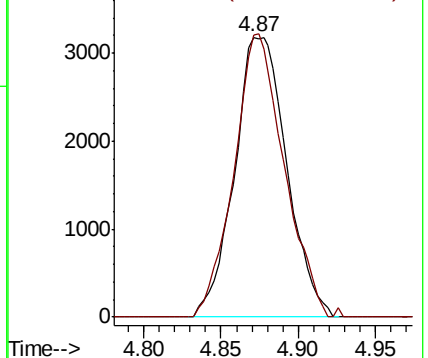
117 100

119 97.1 74.9 112.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.455 ug/L

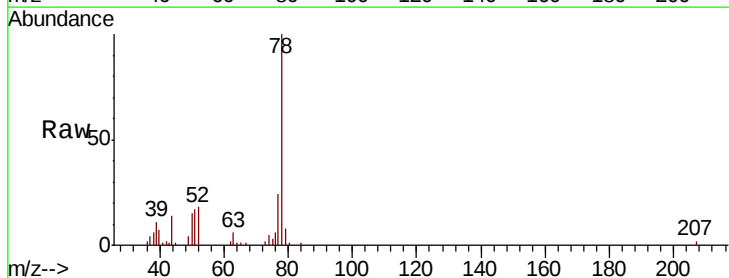
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

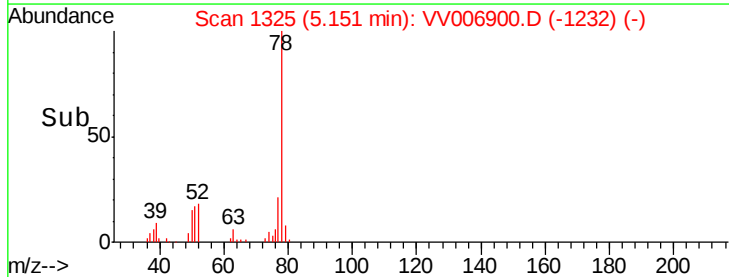
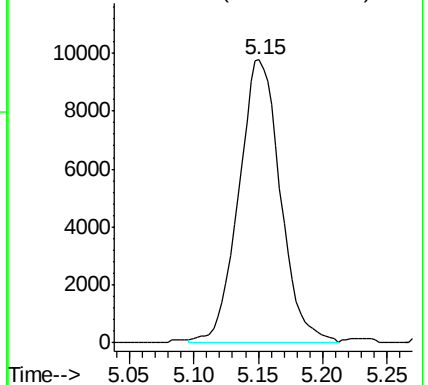
Lab File: VV006900.D

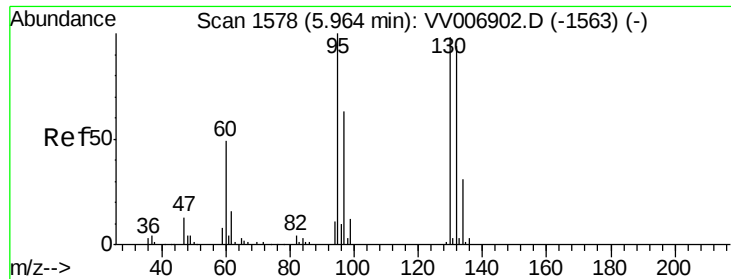
Acq: 07 Aug 2018 16:21

Tgt Ion: 78 Resp: 22045



Abundance Ion 78.10 (77.80 to 78.80): VV0

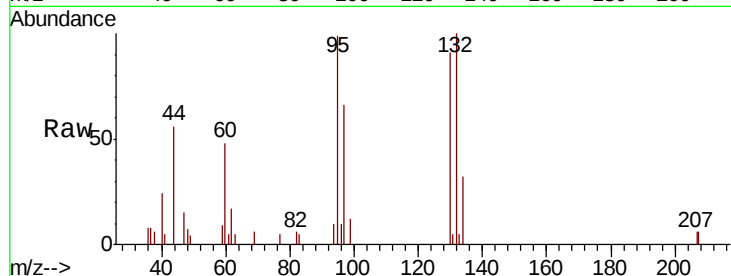




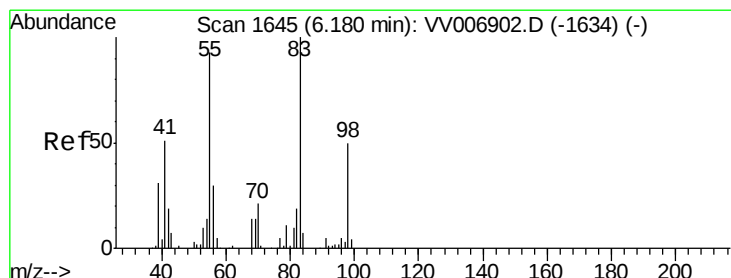
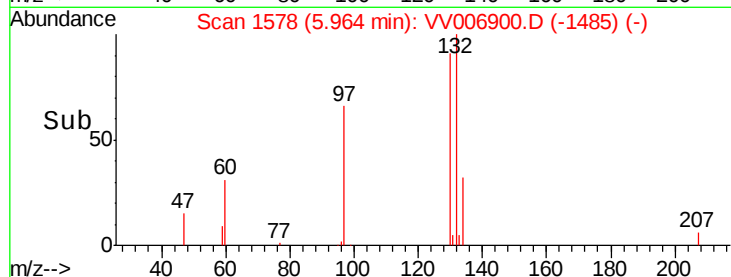
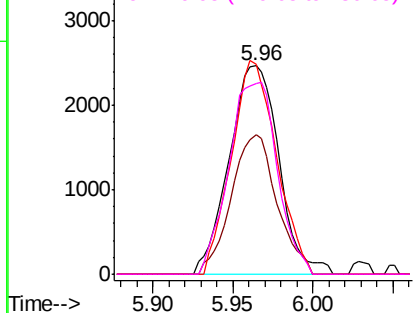
#34
 Trichloroethene
 Concen: 0.431 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV006900.D
 Acq: 07 Aug 2018 16:21

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	5242
Ion	Ratio	Lower	Upper
95	100		
97	66.9	44.4	82.4
132	100.7	65.6	121.8
130	91.6	68.8	127.8

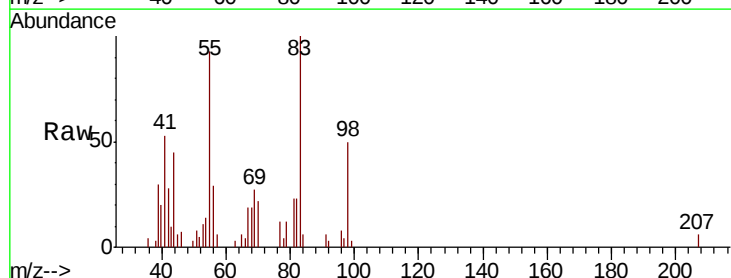


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

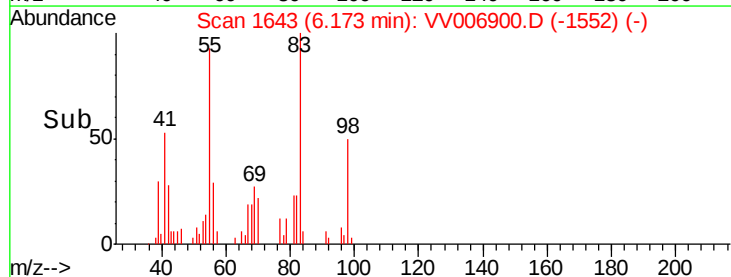
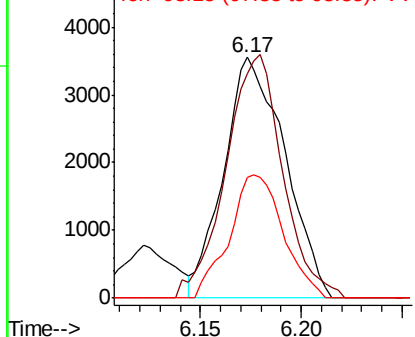


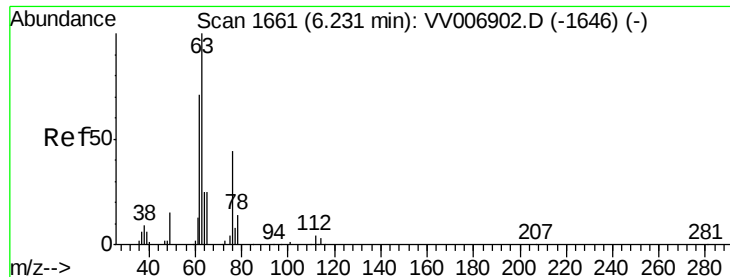
#35
 Methylcyclohexane
 Concen: 0.394 ug/L
 RT: 6.17 min Scan# 1643
 Delta R.T. -0.01 min
 Lab File: VV006900.D
 Acq: 07 Aug 2018 16:21

Tgt Ion:	83	Resp:	7519
Ion	Ratio	Lower	Upper
83	100		
55	94.1	69.8	104.8
98	44.9	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: 0.479 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VV006900.D

Acq: 07 Aug 2018 16:21

Instrument :

MSVOA_V

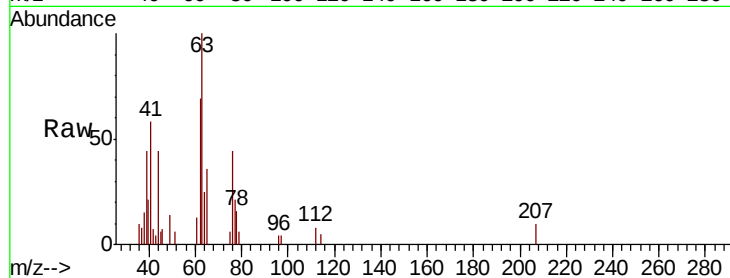
ClientSampleId :

Tot Ion: 63 Resp: 6122

Ion Ratio Lower Upper

63 100

112 5.4 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VV006900.D (-1646) (-)

Ion 112.10 (111.80 to 112.80): VV006900.D (-1646) (-)

6.23

3000

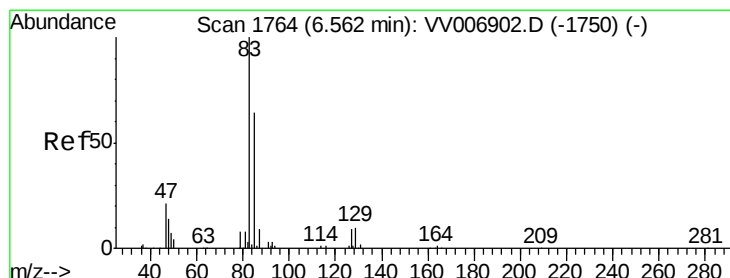
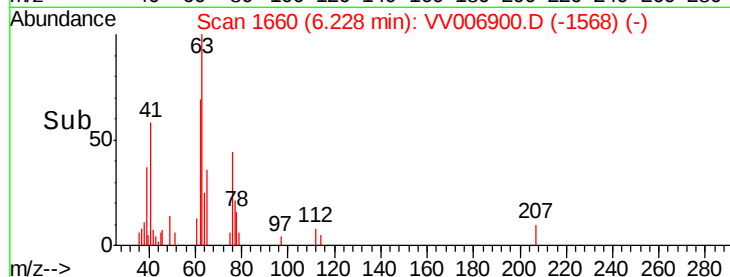
2000

1000

0

6.15 6.20 6.25

Time-->



#38

Bromodichloromethane

Concen: 0.477 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV006900.D

Acq: 07 Aug 2018 16:21

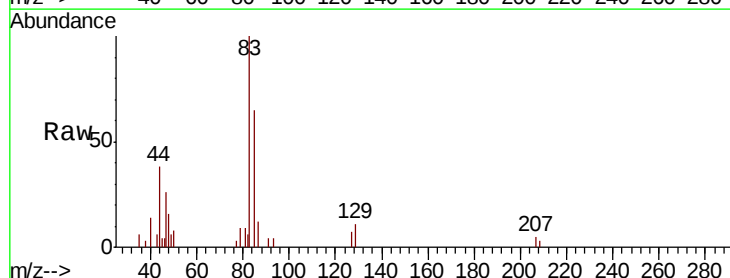
Tgt Ion: 83 Resp: 6989

Ion Ratio Lower Upper

83 100

85 65.5 44.9 83.3

127 7.1 6.9 10.3



Abundance Ion 82.95 (82.65 to 83.65): VV006900.D (-1671) (-)

Ion 85.00 (84.70 to 85.70): VV006900.D (-1671) (-)

Ion 126.90 (126.60 to 127.60): VV006900.D (-1671) (-)

6.56

5000

4000

3000

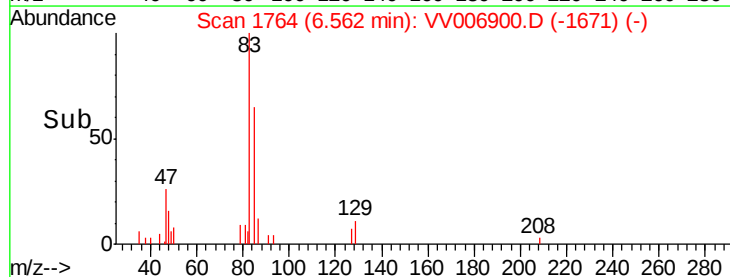
2000

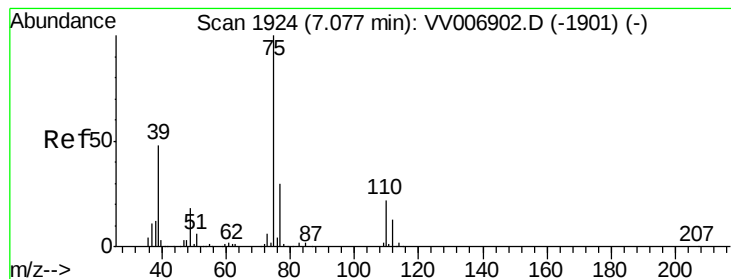
1000

0

6.50 6.55 6.60

Time-->



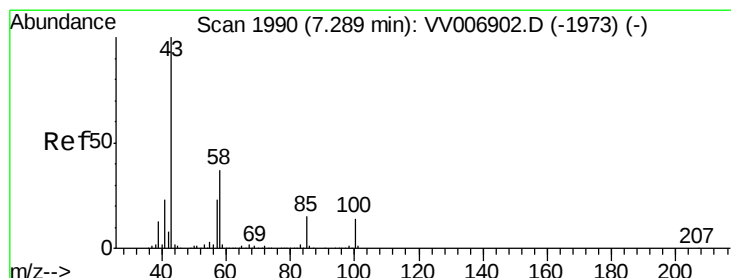
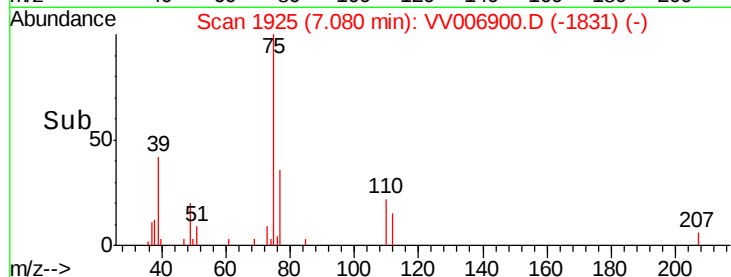
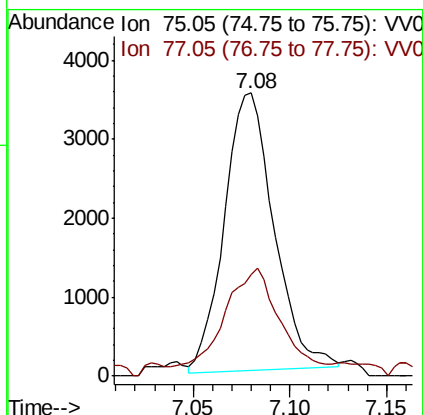
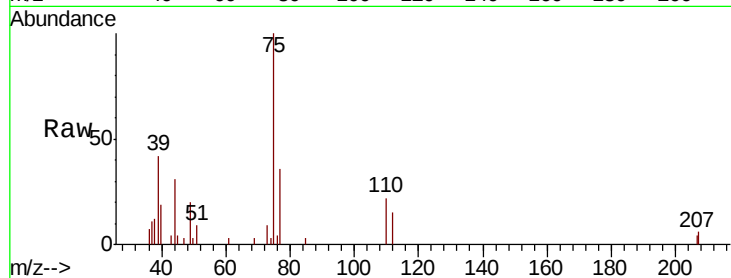


#39

cis-1,3-Dichloropropene
Concen: 0.386 ug/L
RT: 7.08 min Scan# 1925
Delta R.T. 0.00 min
Lab File: VV006900.D
Acq: 07 Aug 2018 16:21

Instrument :
MSVOA_V
ClientSampleId :

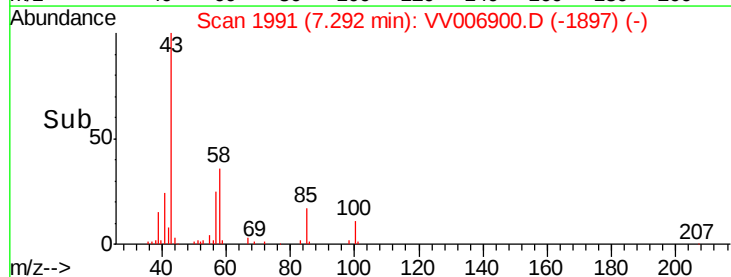
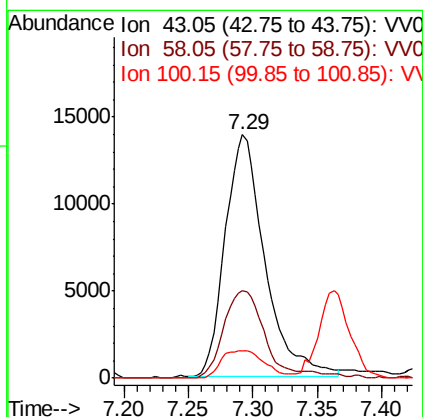
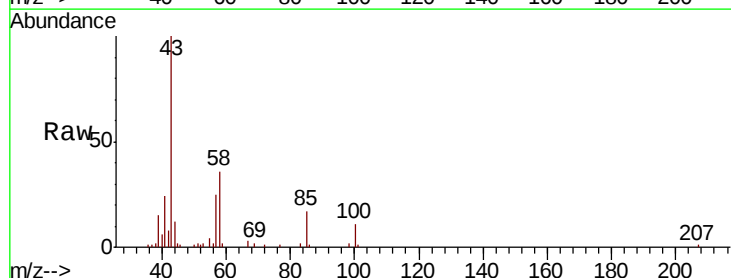
Tot Ion: 75 Resp: 6263
Ion Ratio Lower Upper
75 100
77 35.9 21.2 39.4

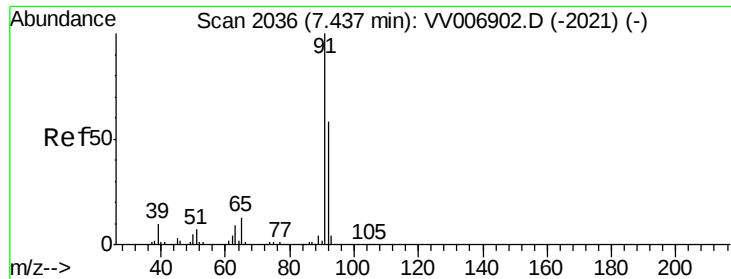


#40

4-Methyl-2-pentanone
Concen: 4.122 ug/L
RT: 7.29 min Scan# 1991
Delta R.T. 0.00 min
Lab File: VV006900.D
Acq: 07 Aug 2018 16:21

Tgt Ion: 43 Resp: 29613
Ion Ratio Lower Upper
43 100
58 36.5 29.0 43.6
100 12.5 10.5 15.7





#42

Toluene

Concen: 0.389 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006900.D

Acq: 07 Aug 2018 16:21

Instrument :

MSVOA_V

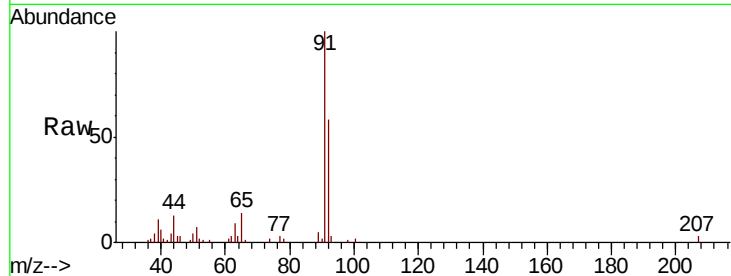
ClientSampled :

Tot Ion: 91 Resp: 18430

Ion Ratio Lower Upper

91 100

92 57.7 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VV006900.D (-2021) (-)

Ion 92.15 (91.85 to 92.85): VV006900.D (-2021) (-)

7.44

7.45

7.46

7.47

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7.80

7.81

7.82

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7.84

7.85

7.86

7.87

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7.89

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7.96

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7.99

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9.94

9.95

9.96

9.97

9.98

9.99

10.00

10.01

10.02

10.03

10.04

10.05

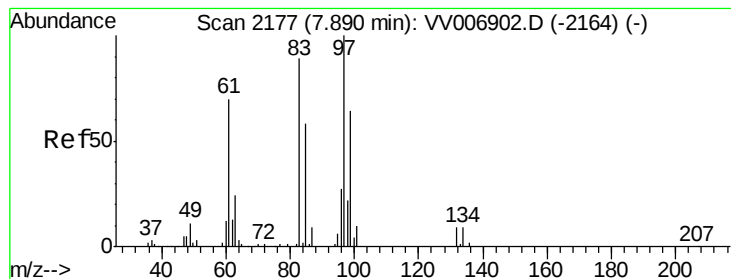
10.06

10.07

10.08

10.09

10.10



#45

1,1,2-Trichloroethane

Concen: 0.404 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV006900.D

Acq: 07 Aug 2018 16:21

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 3672

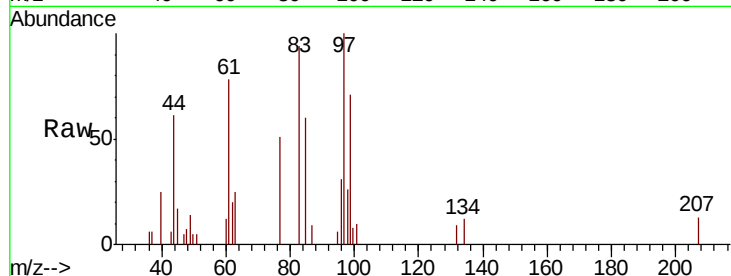
Ion Ratio Lower Upper

97 100

99 79.3 44.7 82.9

83 94.2 62.4 116.0

85 59.7 40.4 75.0



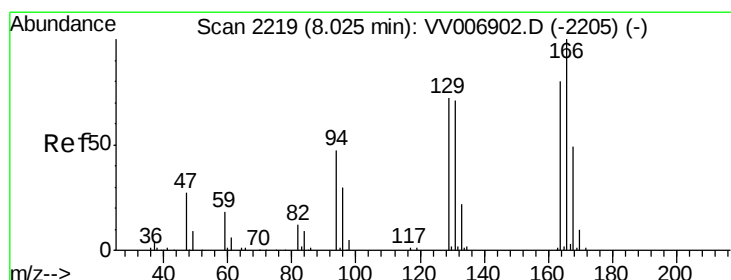
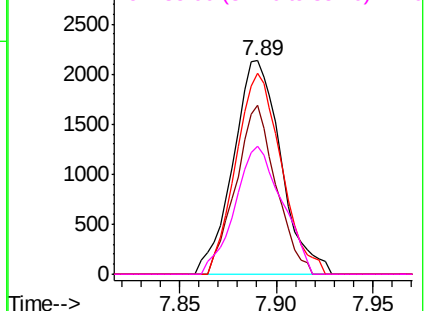
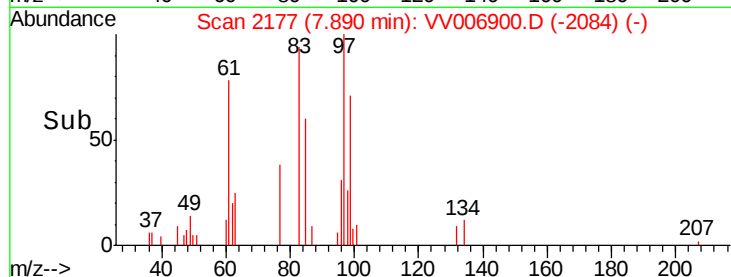
Abundance

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: 0.403 ug/L

RT: 8.03 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VV006900.D

Acq: 07 Aug 2018 16:21

Tgt Ion: 164 Resp: 3853

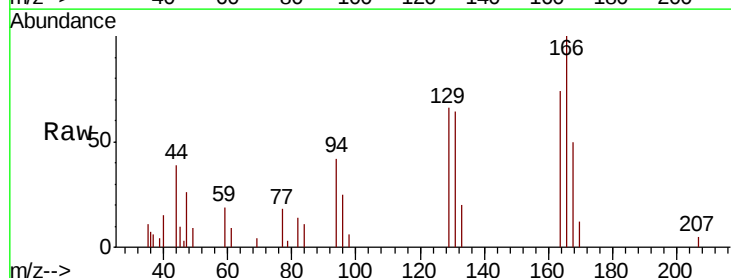
Ion Ratio Lower Upper

164 100

129 89.1 63.1 117.3

131 85.4 62.3 115.7

166 134.3 87.4 162.4



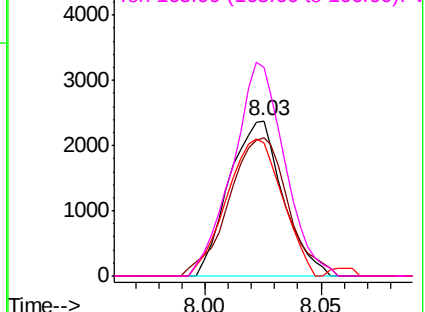
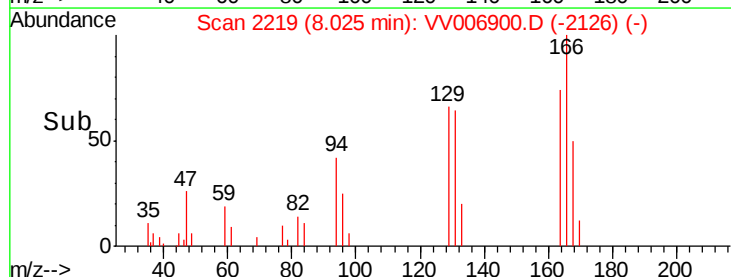
Abundance

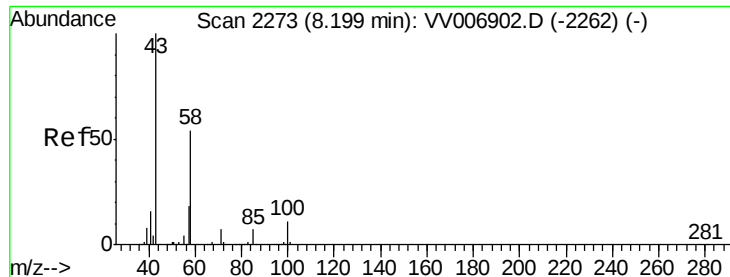
Ion 163.90 (163.60 to 164.60): V

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

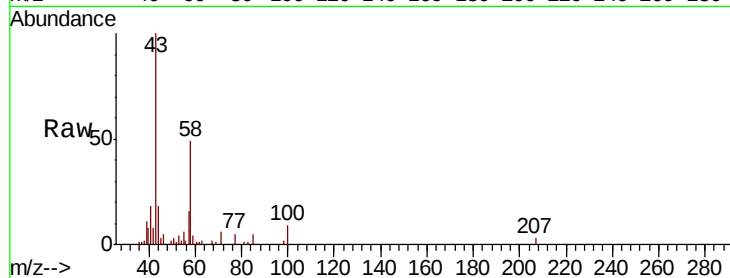




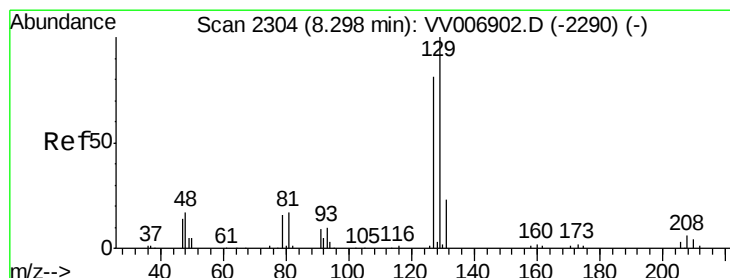
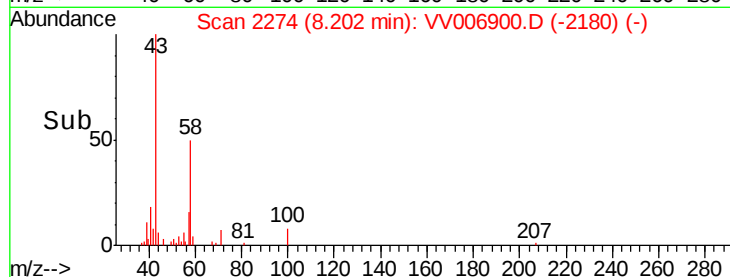
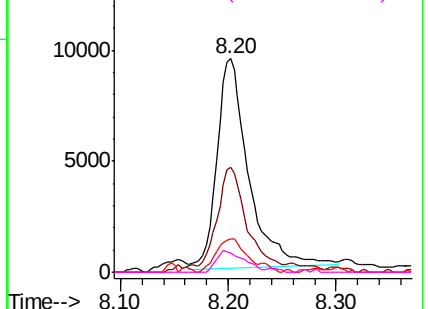
#48
2-Hexanone
Concen: 3.922 ug/L
RT: 8.20 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV006900.D
Acq: 07 Aug 2018 16:21

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	43	Resp:	19334
Ion	Ratio	Lower	Upper
43	100		
58	45.0	42.0	63.0
57	15.9	14.1	21.1
100	9.0	8.1	12.1

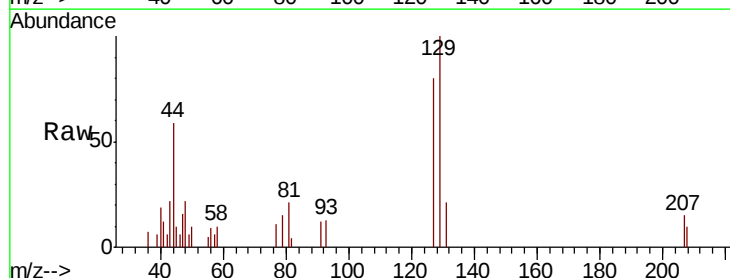


Abundance Ion 43.05 (42.75 to 43.75): VV006900.D (-2180) (-)
Ion 58.05 (57.75 to 58.75): VV006900.D (-2180) (-)
Ion 57.20 (56.90 to 57.90): VV006900.D (-2180) (-)
Ion 100.15 (99.85 to 100.85): VV006900.D (-2180) (-)

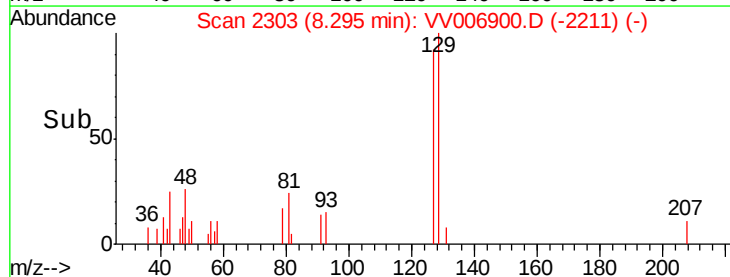
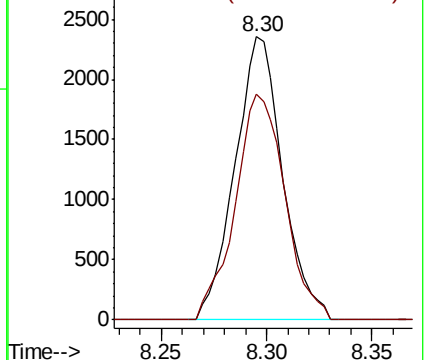


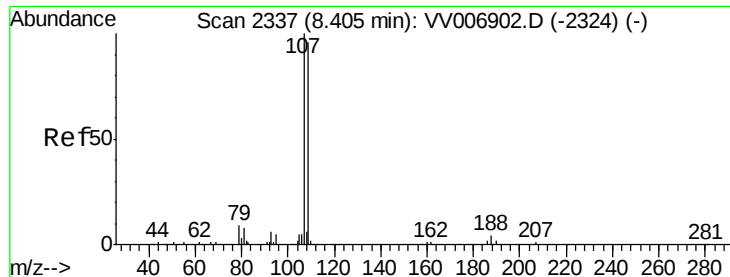
#49
Dibromochloromethane
Concen: 0.399 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006900.D
Acq: 07 Aug 2018 16:21

Tgt Ion:	129	Resp:	3697
Ion	Ratio	Lower	Upper
129	100		
127	79.9	57.0	105.8



Abundance Ion 128.95 (128.65 to 129.65): VV006900.D (-2211) (-)
Ion 126.90 (126.60 to 127.60): VV006900.D (-2211) (-)

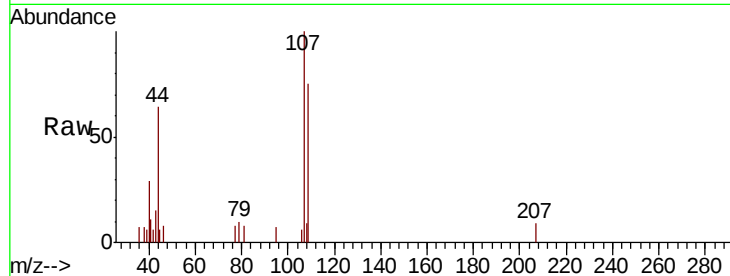




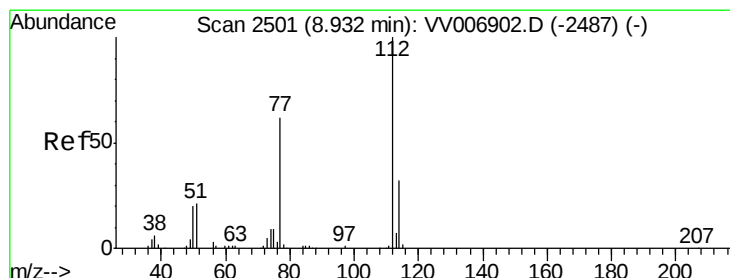
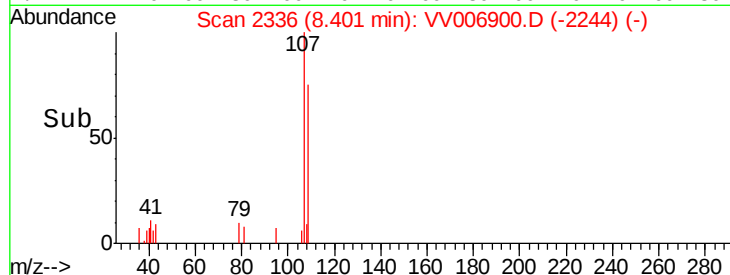
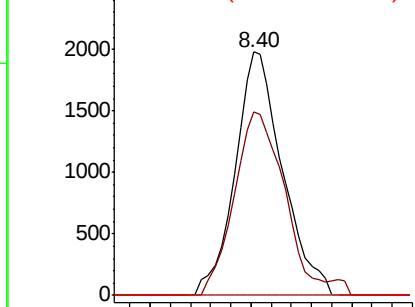
#50
 1,2-Dibromoethane
 Concen: 0.423 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VV006900.D
 Acq: 07 Aug 2018 16:21

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:107 Resp: 3245
 Ion Ratio Lower Upper
 107 100
 109 75.5 67.1 124.7
 188 0.0 3.0 4.4#

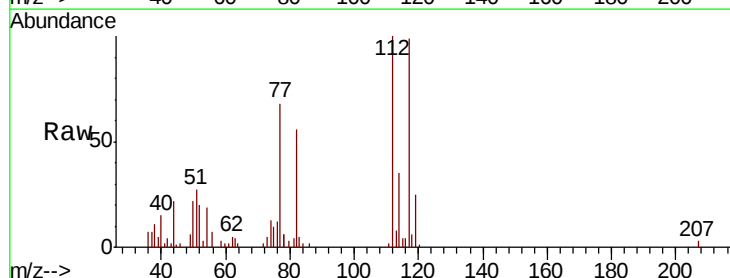


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

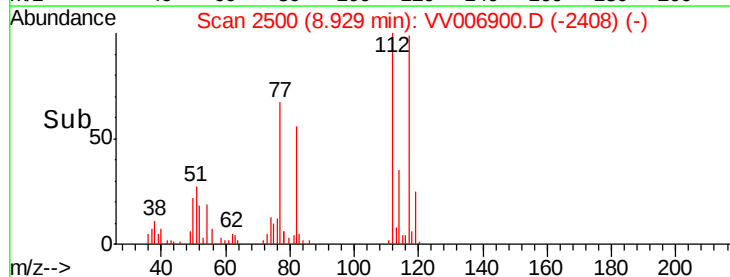
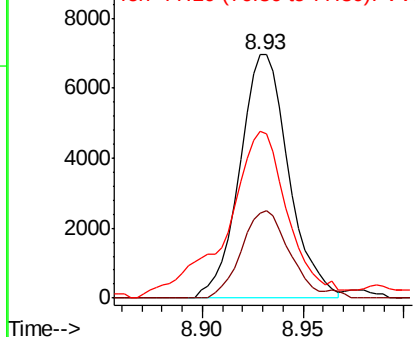


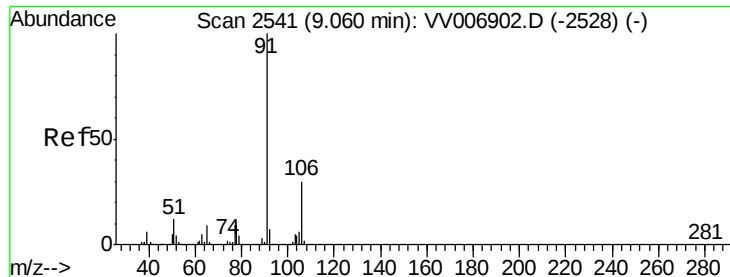
#51
 Chlorobenzene
 Concen: 0.394 ug/L
 RT: 8.93 min Scan# 2500
 Delta R.T. -0.00 min
 Lab File: VV006900.D
 Acq: 07 Aug 2018 16:21

Tgt Ion:112 Resp: 11803
 Ion Ratio Lower Upper
 112 100
 114 34.7 22.6 42.0
 77 68.5 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): VV0





#52

Ethylbenzene

Concen: 0.371 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006900.D

Acq: 07 Aug 2018 16:21

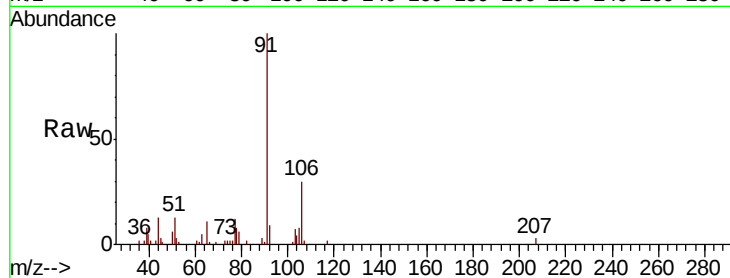
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 18109

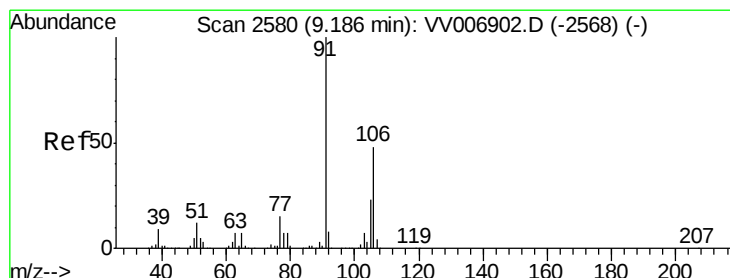
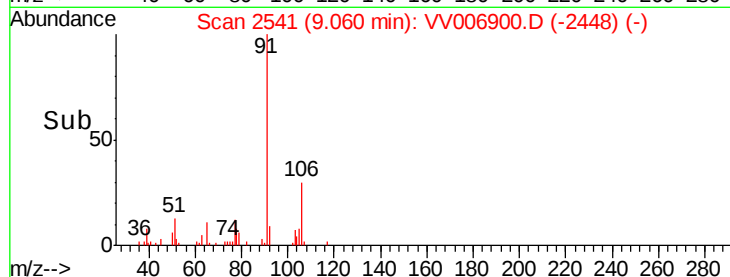
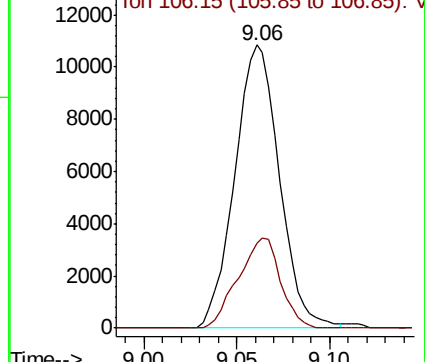
Ion Ratio Lower Upper

91 100

106 29.9 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VV006900.D (-2448) (-)



#53

m,p-xylene

Concen: 0.347 ug/L

RT: 9.19 min Scan# 2581

Delta R.T. 0.00 min

Lab File: VV006900.D

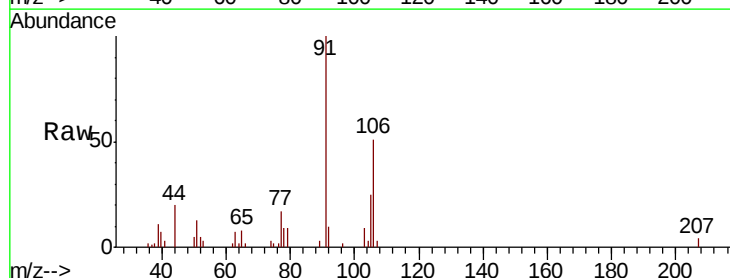
Acq: 07 Aug 2018 16:21

Tgt Ion: 106 Resp: 6233

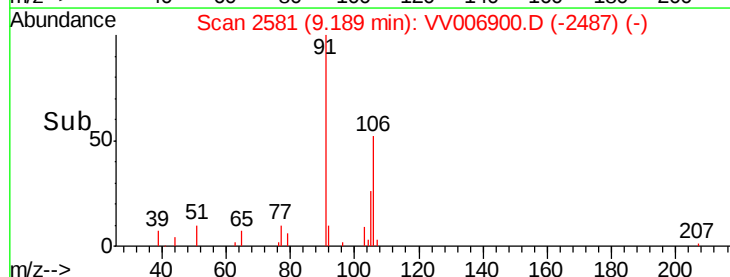
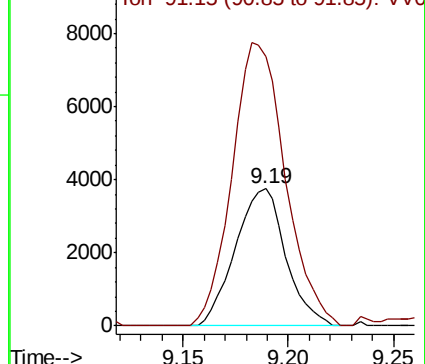
Ion Ratio Lower Upper

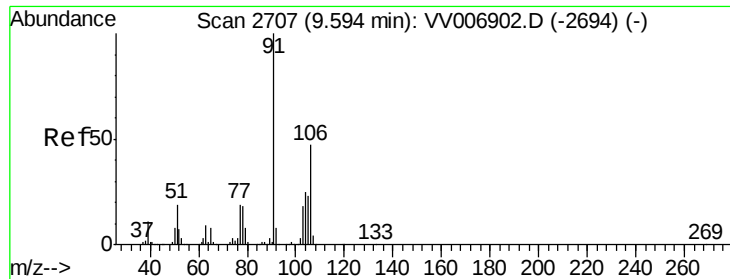
106 100

91 196.1 147.7 274.3



Abundance Ion 106.15 (105.85 to 106.85): VV006900.D (-2487) (-)





#54

o-xylene

Concen: 0.352 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006900.D

Acq: 07 Aug 2018 16:21

Instrument :

MSVOA_V

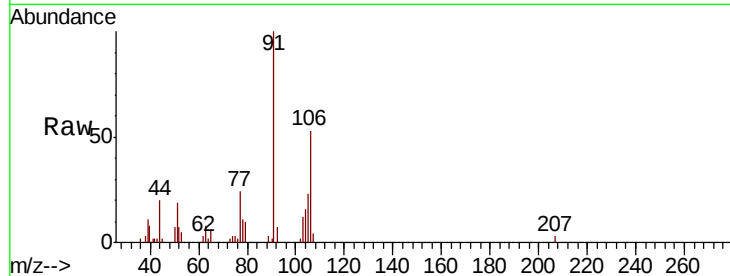
ClientSampleId :

Tot Ion:106 Resp: 6391

Ion Ratio Lower Upper

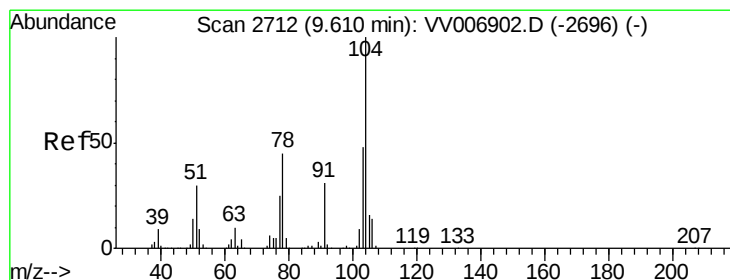
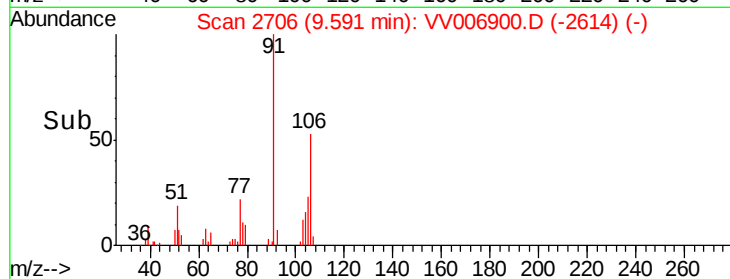
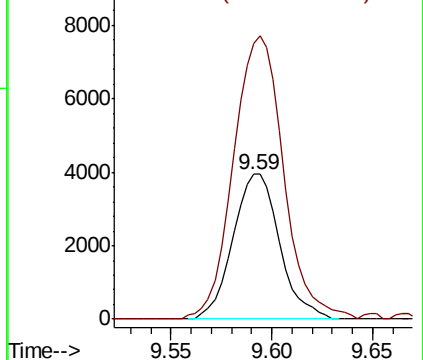
106 100

91 189.8 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.291 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006900.D

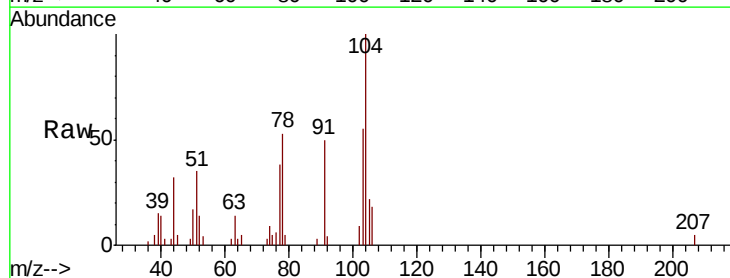
Acq: 07 Aug 2018 16:21

Tgt Ion:104 Resp: 8382

Ion Ratio Lower Upper

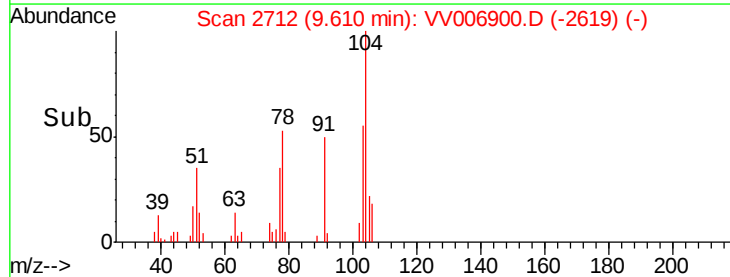
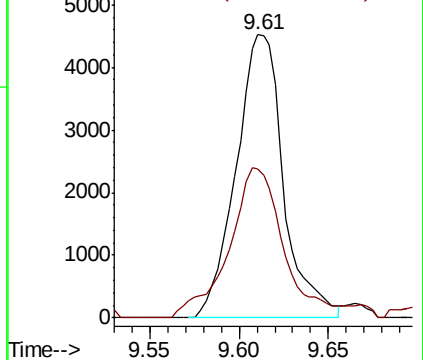
104 100

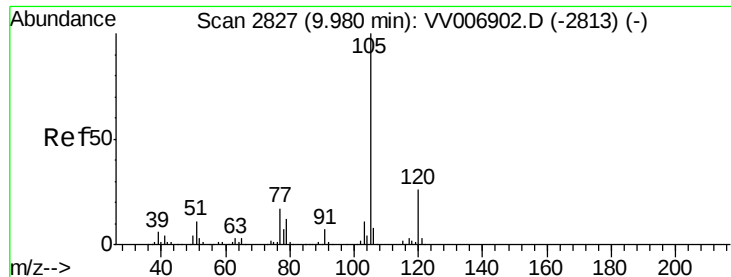
78 57.7 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.347 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006900.D

Acq: 07 Aug 2018 16:21

Instrument :

MSVOA_V

ClientSampled :

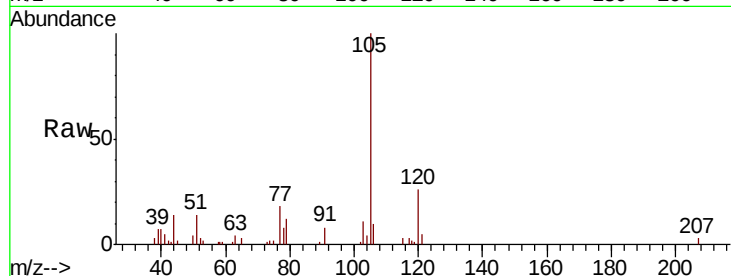
Tot Ion:105 Resp: 15990

Ion Ratio Lower Upper

105 100

120 25.6 21.0 31.6

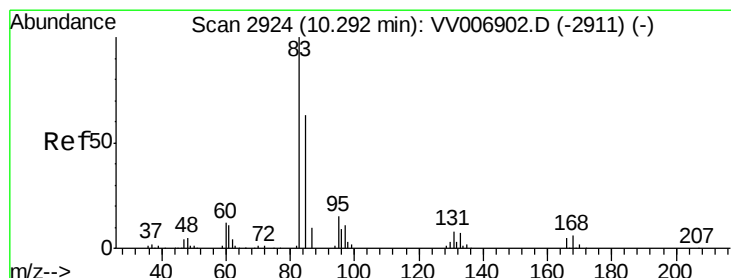
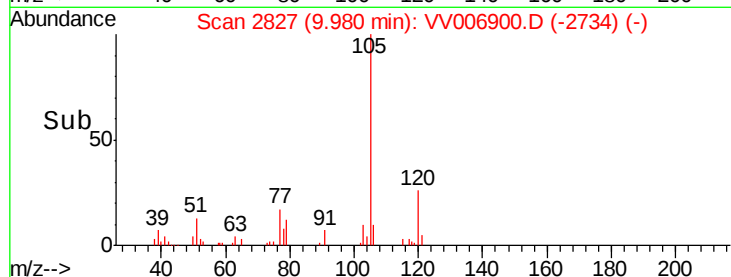
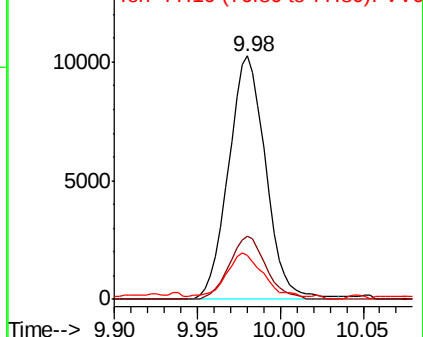
77 17.0 13.7 20.5



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: 0.436 ug/L

RT: 10.30 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VV006900.D

Acq: 07 Aug 2018 16:21

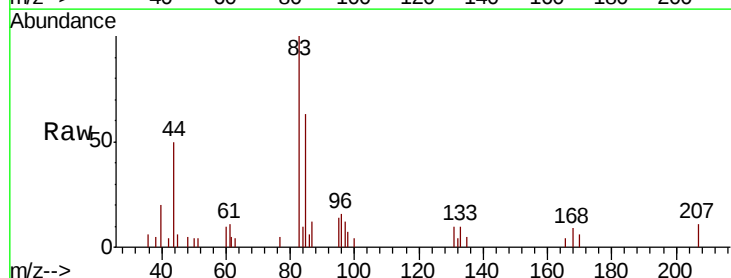
Tgt Ion: 83 Resp: 4845

Ion Ratio Lower Upper

83 100

85 62.9 44.4 82.4

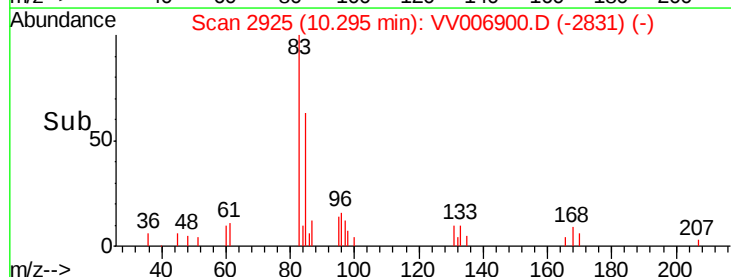
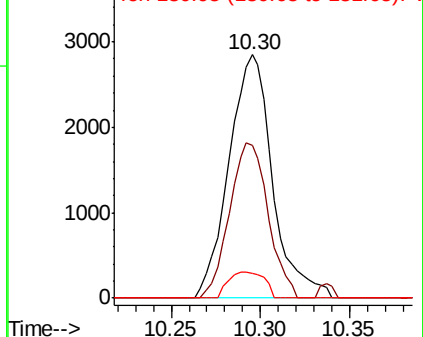
131 10.0 6.6 9.8#

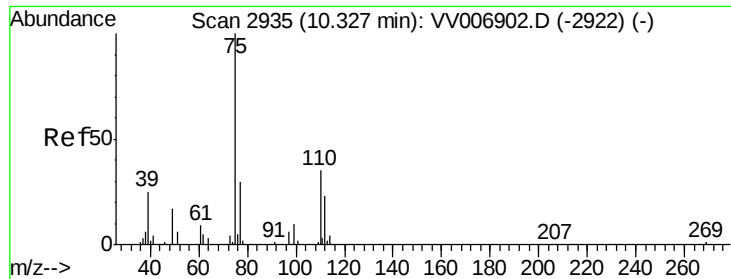


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.447 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV006900.D

Acq: 07 Aug 2018 16:21

Instrument :

MSVOA_V

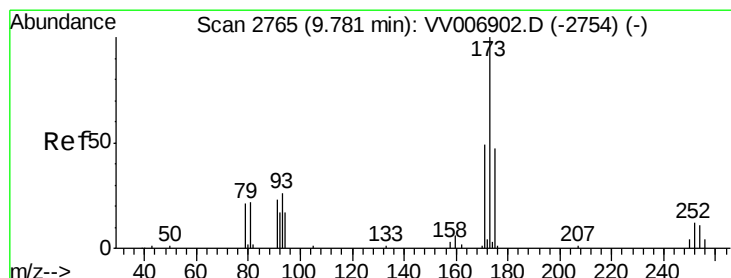
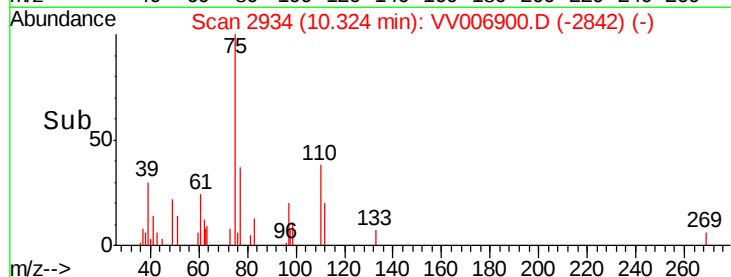
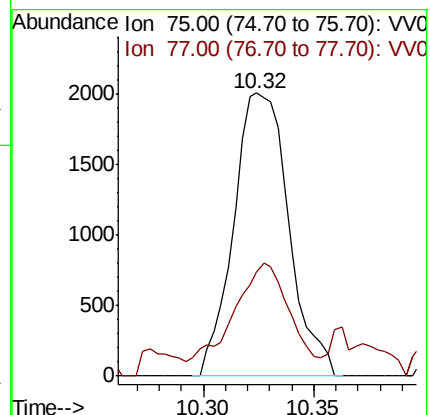
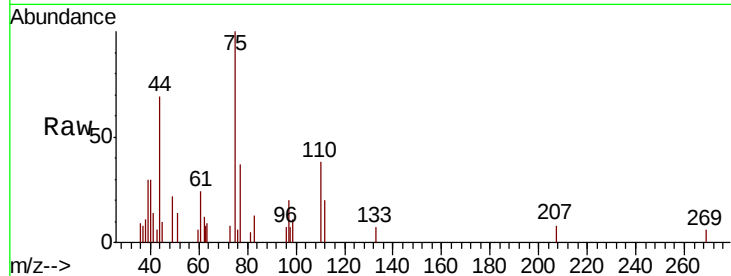
ClientSampled :

Tot Ion: 75 Resp: 3491

Ion Ratio Lower Upper

75 100

77 32.3 24.5 36.7



#61

Bromoform

Concen: 0.546 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV006900.D

Acq: 07 Aug 2018 16:21

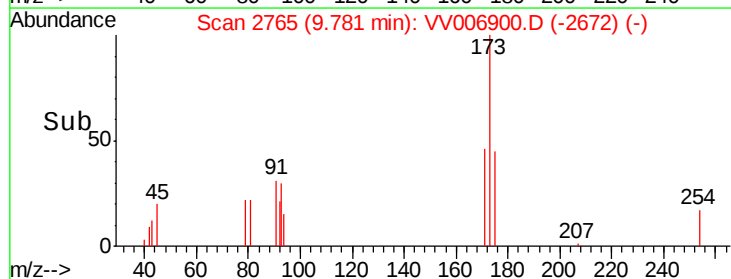
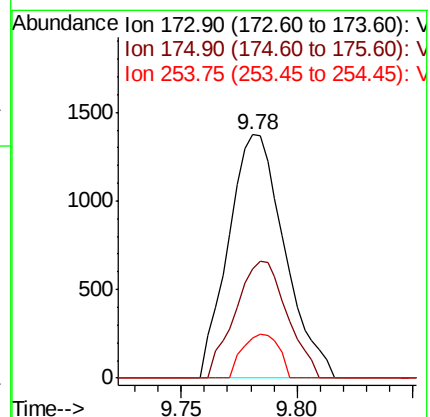
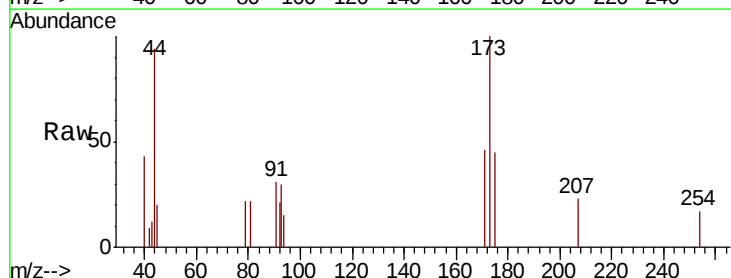
Tgt Ion: 173 Resp: 2305

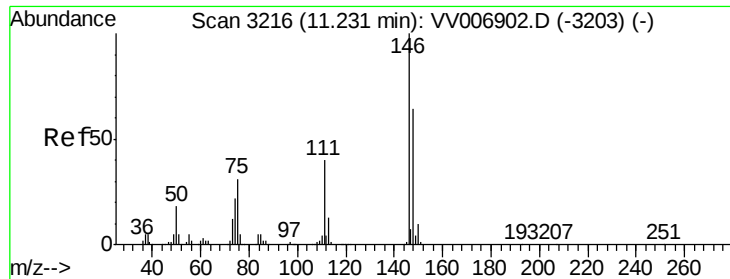
Ion Ratio Lower Upper

173 100

175 44.5 37.9 56.9

254 11.7 8.0 12.0





#62

1,3-Dichlorobenzene

Concen: 0.435 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006900.D

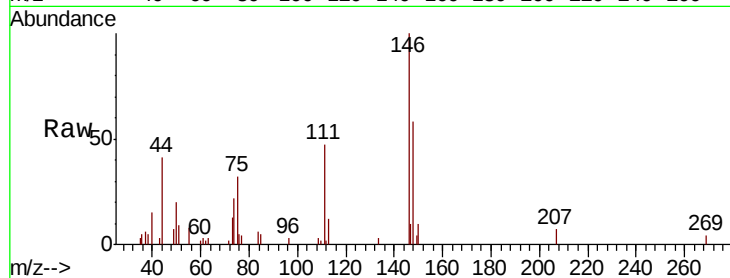
Acq: 07 Aug 2018 16:21

Instrument :

MSVOA_V

ClientSampleId :

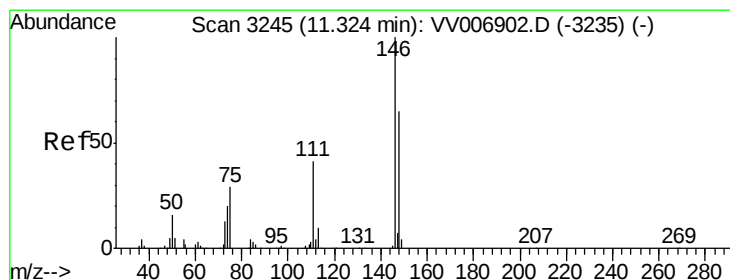
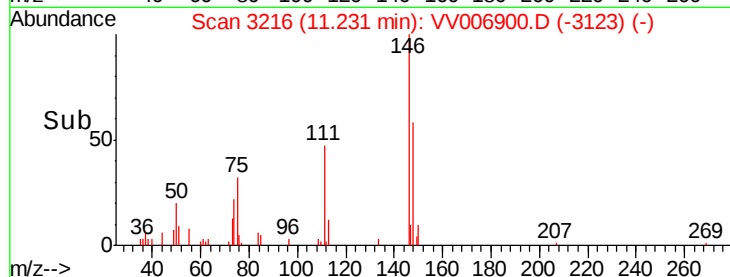
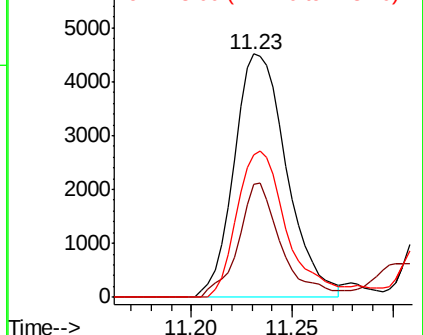
Tot Ion:146	Resp:	8237
Ion	Ratio	Lower Upper
146	100	
111	46.5	28.1 52.1
148	58.4	45.0 83.6



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: 0.391 ug/L

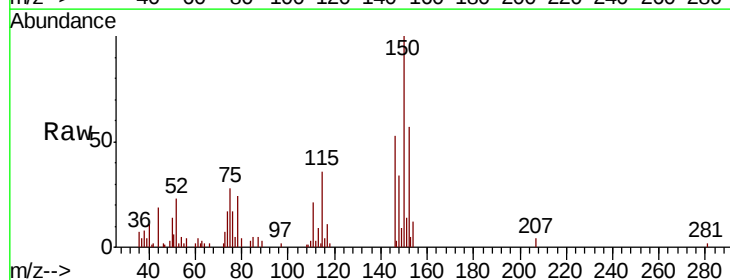
RT: 11.33 min Scan# 3246

Delta R.T. 0.00 min

Lab File: VV006900.D

Acq: 07 Aug 2018 16:21

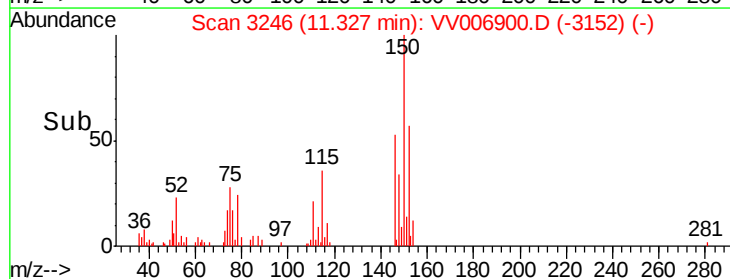
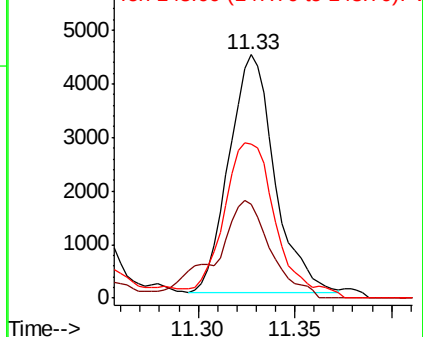
Tgt Ion:146	Resp:	7323
Ion	Ratio	Lower Upper
146	100	
111	38.7	29.0 53.9
148	63.5	45.7 84.9

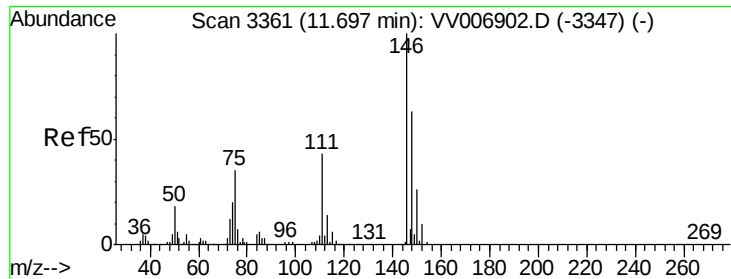


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.393 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006900.D

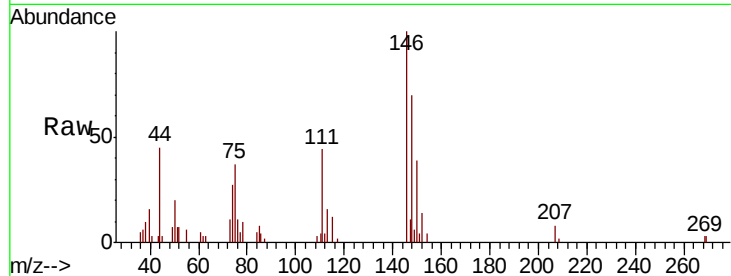
Acq: 07 Aug 2018 16:21

Instrument :

MSVOA_V

ClientSampled :

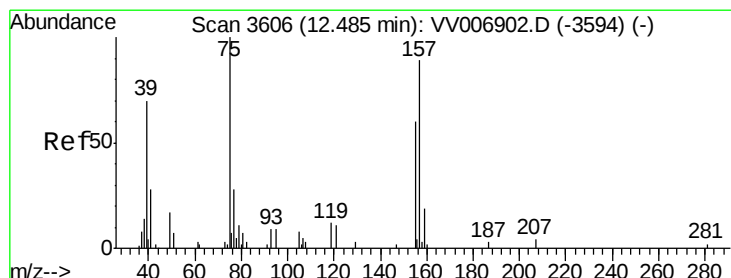
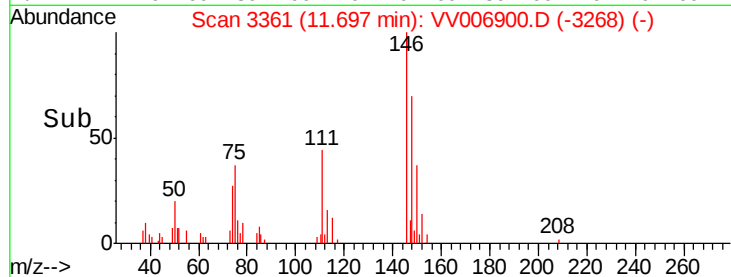
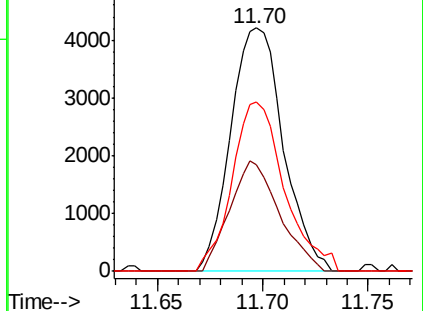
Tot Ion:146	Resp:	7323
Ion	Ratio	Lower Upper
146	100	
111	44.0	34.5 51.7
148	69.5	50.3 75.5



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: 0.560 ug/L

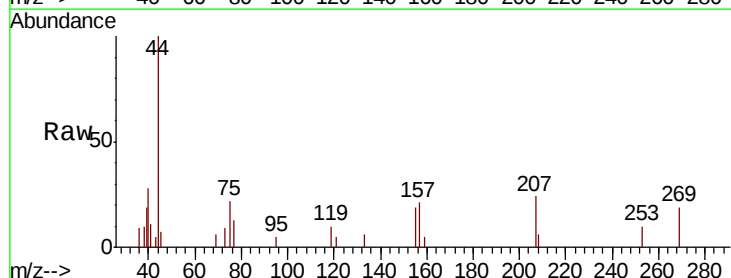
RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV006900.D

Acq: 07 Aug 2018 16:21

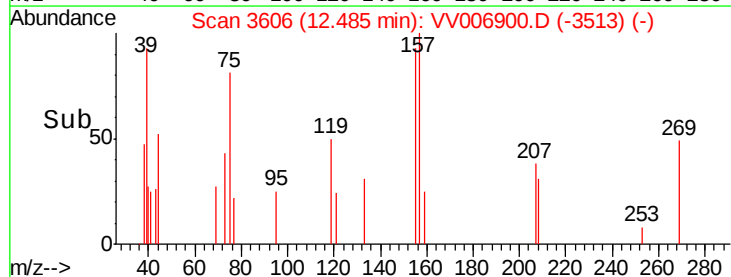
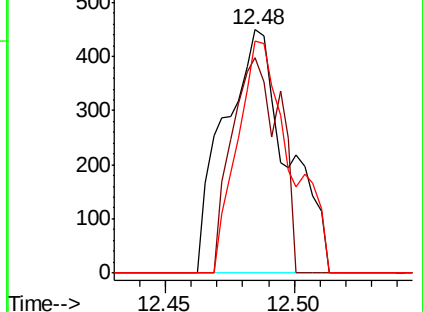
Tgt Ion: 75	Resp:	767
Ion	Ratio	Lower Upper
75	100	
155	88.7	48.1 72.1#
157	95.1	71.4 107.0

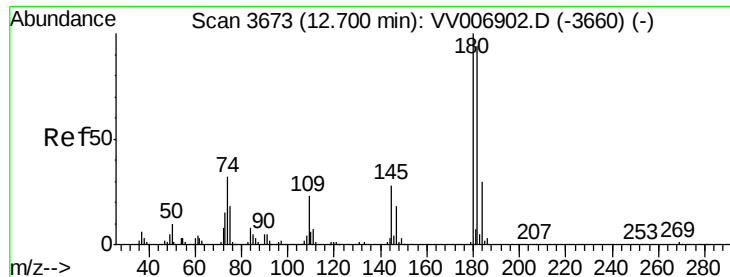


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

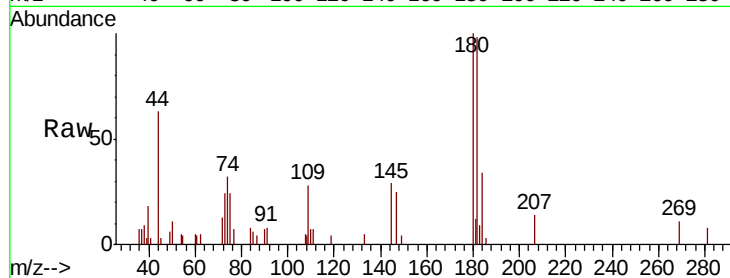




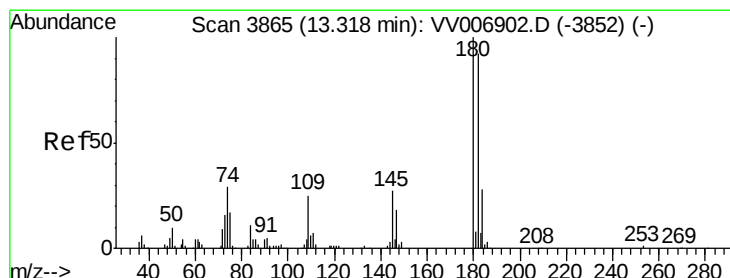
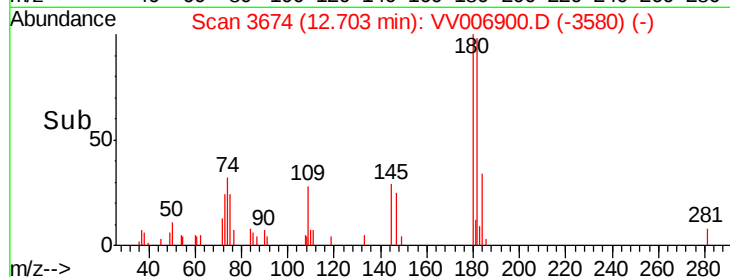
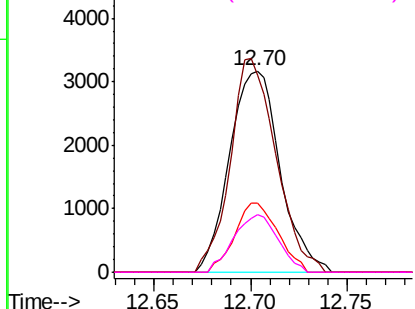
#67
 1,3,5-Trichlorobenzene
 Concen: 0.396 ug/L
 RT: 12.70 min Scan# 3674
 Delta R.T. 0.00 min
 Lab File: VV006900.D
 Acq: 07 Aug 2018 16:21

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 5749
 Ion Ratio Lower Upper
 180 100
 182 96.2 75.8 113.8
 184 29.2 23.8 35.6
 145 25.1 22.4 33.6

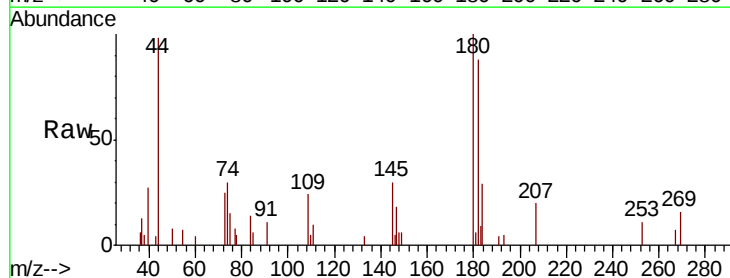


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

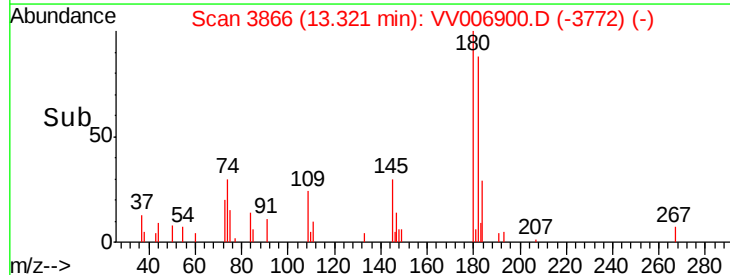
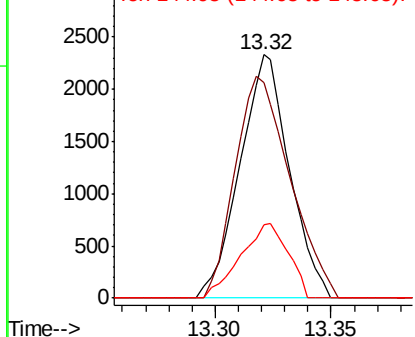


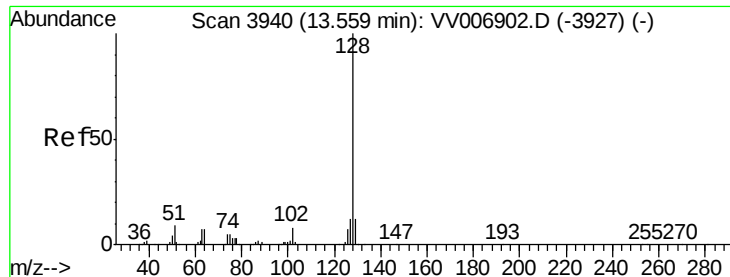
#68
 1,2,4-trichlorobenzene
 Concen: 0.309 ug/L
 RT: 13.32 min Scan# 3866
 Delta R.T. 0.00 min
 Lab File: VV006900.D
 Acq: 07 Aug 2018 16:21

Tgt Ion:180 Resp: 3453
 Ion Ratio Lower Upper
 180 100
 182 101.0 71.8 107.8
 145 29.4 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: 0.284 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV006900.D

Acq: 07 Aug 2018 16:21

Instrument :

MSVOA_V

ClientSampleId :

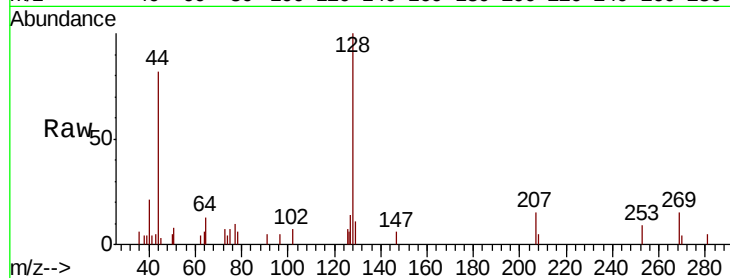
Tot Ion:128 Resp: 5420

Ion Ratio Lower Upper

128 100

129 8.7 9.3 13.9#

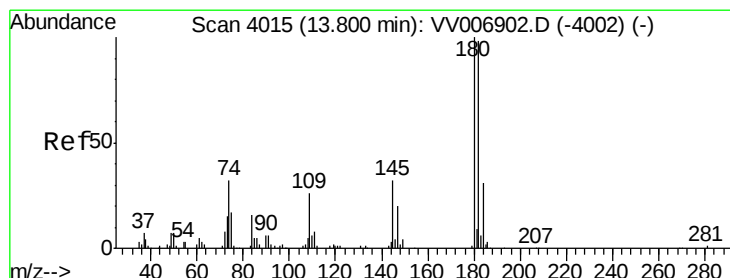
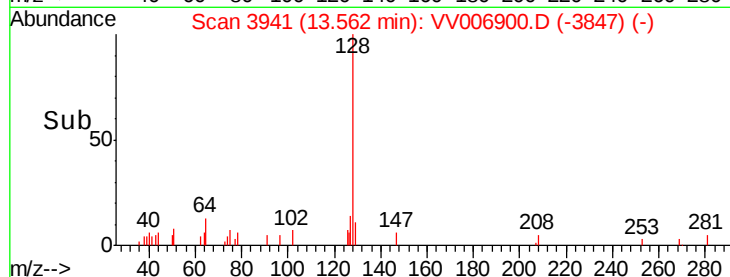
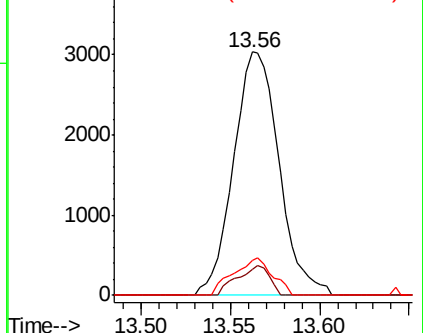
127 13.0 10.2 15.4



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: 0.313 ug/L

RT: 13.80 min Scan# 4016

Delta R.T. 0.00 min

Lab File: VV006900.D

Acq: 07 Aug 2018 16:21

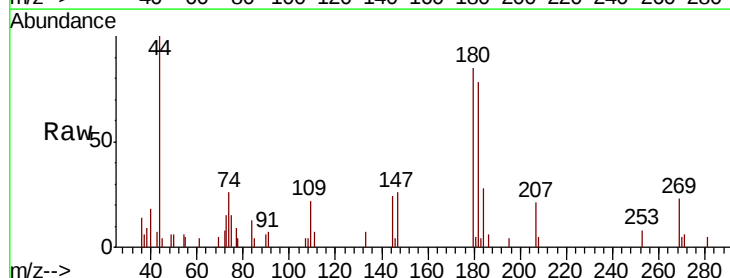
Tgt Ion:180 Resp: 3377

Ion Ratio Lower Upper

180 100

182 98.5 77.0 115.6

145 28.4 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

