

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090418\
 Data File : VV007341.D
 Acq On : 04 Sep 2018 20:48
 Operator : SY/MD
 Sample : VSTD20064
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

Quant Time: Sep 05 01:00:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 05 00:58:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	614531	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	595365	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	314684	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	814731	182.83	ug/L	0.00
7) Chloroethane-d5	1.57	69	460861	166.41	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	1438449	185.00	ug/L	0.00
21) 2-Butanone-d5	3.96	46	1442490	410.59	ug/L	0.00
24) Chloroform-d	4.41	84	1690815	189.25	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	1017087	186.70	ug/L	0.00
32) Benzene-d6	5.11	84	3505954	188.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	1141333	185.96	ug/L	0.00
41) Toluene-d8	7.37	98	3212028	197.12	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	544152	200.10	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	1106216	461.15	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	1563328	190.68	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	1292438	181.94	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	690836	166.426 ug/L	# 85
3) Chloromethane	1.26	50	926720	185.906 ug/L	100
5) Vinyl chloride	1.32	62	956687	197.038 ug/L	100
6) Bromomethane	1.53	94	466677	190.628 ug/L	99
8) Chloroethane	1.59	64	380879	161.176 ug/L	99
9) Trichlorofluoromethane	1.76	101	1191203	189.280 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	744461	190.226 ug/L	100
12) 1,1-Dichloroethene	2.14	96	713284	194.625 ug/L	97
13) Acetone	2.21	43	726626	308.273 ug/L	99
14) Carbon disulfide	2.32	76	2049889	189.414 ug/L	99
15) Methyl Acetate	2.47	43	835951	196.885 ug/L	99
16) Methylene chloride	2.54	84	817875	185.343 ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	769572	192.144 ug/L	99
18) Methyl tert-butyl Ether	2.82	73	2493786	199.220 ug/L	100
19) 1,1-Dichloroethane	3.23	63	1590677	194.692 ug/L	99
20) cis-1,2-Dichloroethene	3.97	96	970120	207.557 ug/L	99
22) 2-Butanone	4.05	43	1429191	400.083 ug/L	100
23) Bromochloromethane	4.30	128	472928	196.050 ug/L	99
25) Chloroform	4.43	83	1588038	194.395 ug/L	99
27) 1,2-Dichloroethane	5.19	62	1192892	199.185 ug/L	98
29) Cyclohexane	4.73	56	1440242	216.825 ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	1341812	191.083 ug/L	99
31) Carbon tetrachloride	4.88	117	1164199	192.958 ug/L	100
33) Benzene	5.15	78	3676123	196.963 ug/L	100
34) Trichloroethene	5.96	95	887897	194.813 ug/L	98
35) Methylcyclohexane	6.18	83	1538897	218.660 ug/L	97
37) 1,2-Dichloropropane	6.23	63	977329	197.604 ug/L	99
38) Bromodichloromethane	6.56	83	1204750	196.593 ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	1544275	217.523 ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	2554072	430.273 ug/L	96

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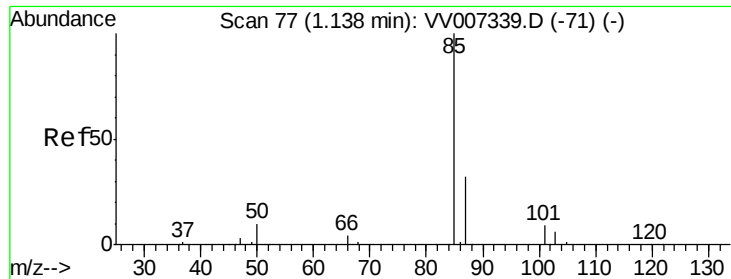
Instrument :
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 05 00:58:40 2018
 Response via : Initial Calibration

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

42) Toluene	7.44	91	3790879	207.230	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	1407922	215.684	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	911095	193.419	ug/L	100
46) Tetrachloroethene	8.02	164	728219	198.269	ug/L	98
48) 2-Hexanone	8.20	43	2017226	428.996	ug/L	99
49) Dibromochloromethane	8.30	129	993074	202.408	ug/L	100
50) 1,2-Dibromoethane	8.40	107	930803	200.190	ug/L	98
51) Chlorobenzene	8.93	112	2459854	202.371	ug/L	99
52) Ethylbenzene	9.06	91	4168339	221.639	ug/L	99
53) m,p-Xylene	9.19	106	1617125	228.268	ug/L	99
54) o-xylene	9.59	106	1594565	231.184	ug/L	97
55) Styrene	9.61	104	2797897	233.234	ug/L	99
56) Isopropylbenzene	9.98	105	4093593	232.074	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	1478165	196.502	ug/L	99
59) 1,2,3-Trichloropropane	10.33	75	1186532	196.368	ug/L	100
61) Bromoform	9.78	173	753440	184.080	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	1891260	197.336	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	1988409	193.461	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	2001930	191.511	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	325139	187.602	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	1505134	205.620	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	1343874	232.211	ug/L	100
69) Naphthalene	13.56	128	4311690	262.523	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	1413240	224.601	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 166.426 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

Instrument :

MSVOA_V

ClientSampleId :

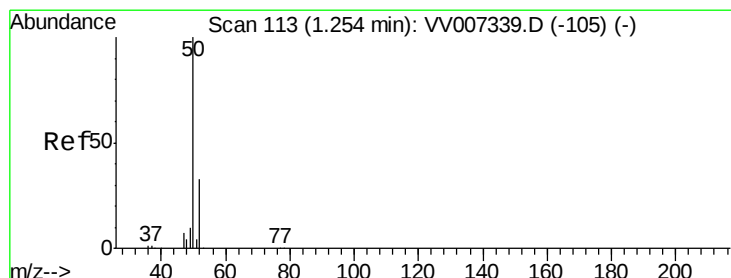
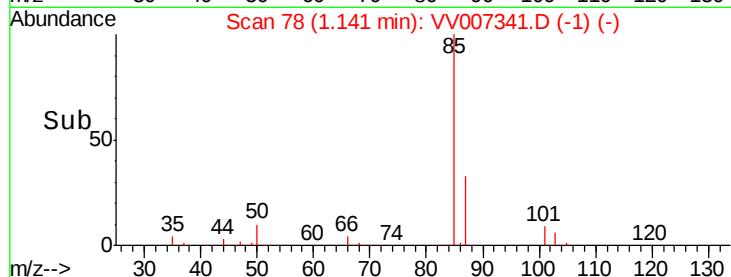
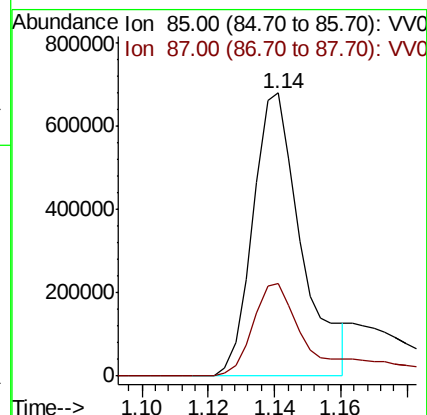
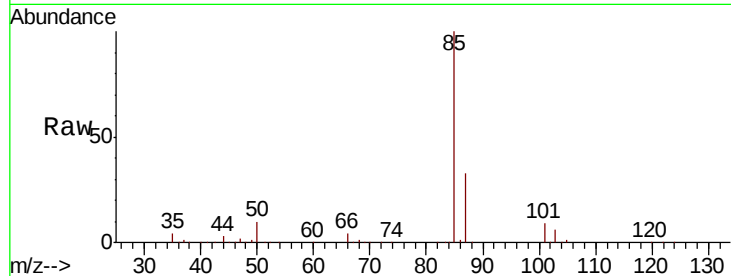
VSTD20064

Tgt Ion: 85 Resp: 690836

Ion Ratio Lower Upper

85 100

87 41.0 26.0 39.0#



#3

Chloromethane

Concen: 185.906 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV007341.D

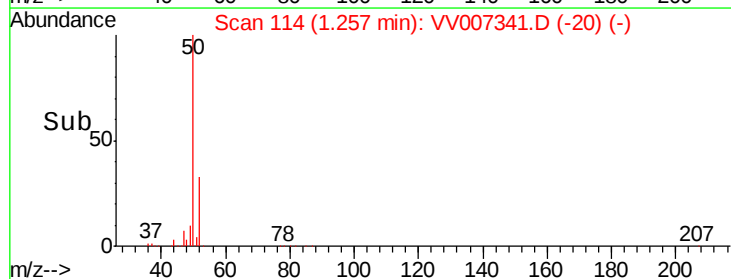
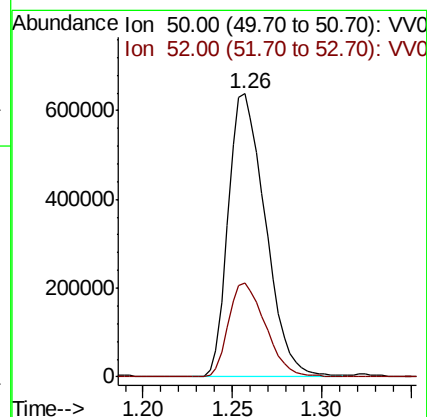
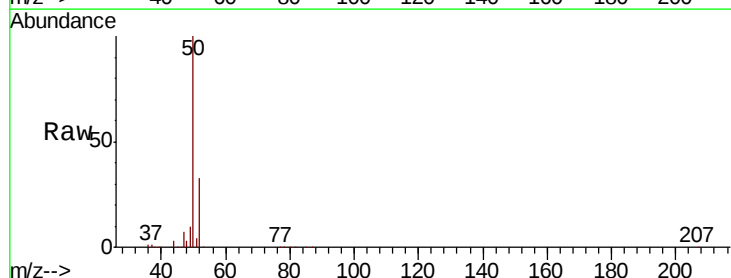
Acq: 04 Sep 2018 20:48

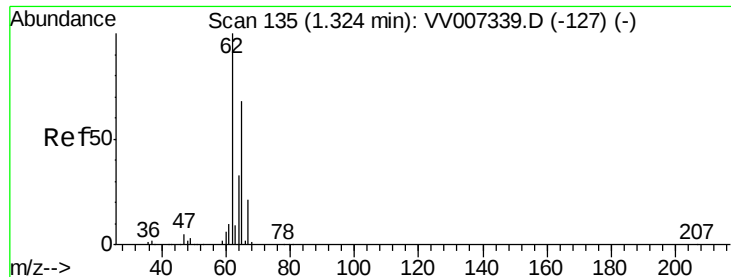
Tgt Ion: 50 Resp: 926720

Ion Ratio Lower Upper

50 100

52 33.2 23.2 43.2





#5

Vinyl chloride

Concen: 197.038 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

Instrument :

MSVOA_V

ClientSampleId :

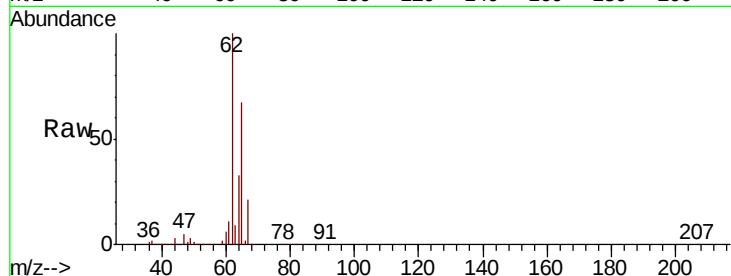
VSTD20064

Tgt Ion: 62 Resp: 956687

Ion Ratio Lower Upper

62 100

64 33.3 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV007339.D (-127) (-)

Ion 64.00 (63.70 to 64.70): VV007339.D (-127) (-)

1.32

800000

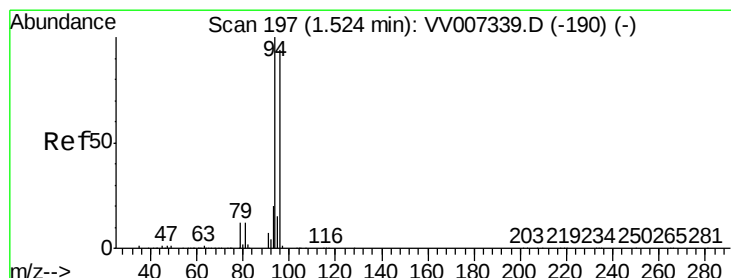
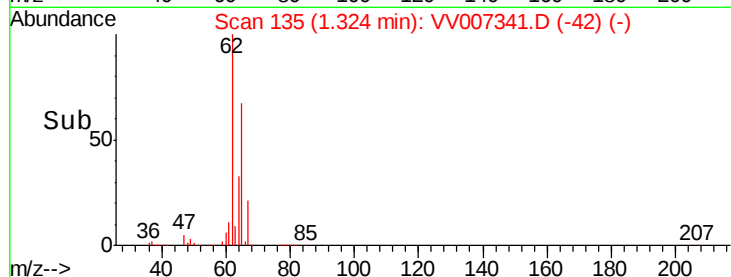
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 190.628 ug/L

RT: 1.53 min Scan# 200

Delta R.T. 0.01 min

Lab File: VV007341.D

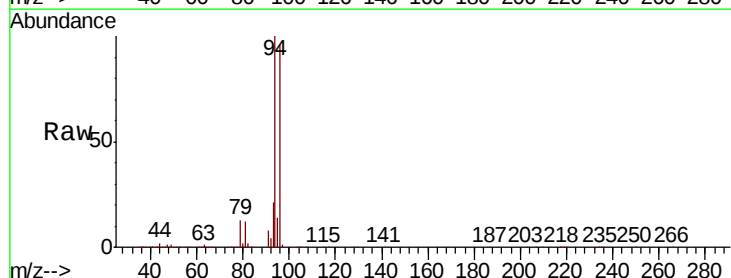
Acq: 04 Sep 2018 20:48

Tgt Ion: 94 Resp: 466677

Ion Ratio Lower Upper

94 100

96 95.5 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV007339.D (-190) (-)

Ion 96.00 (95.70 to 96.70): VV007339.D (-190) (-)

1.53

400000

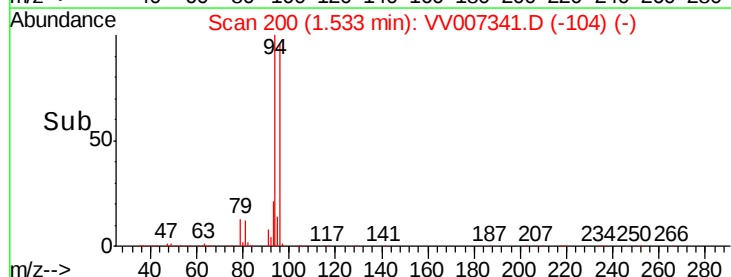
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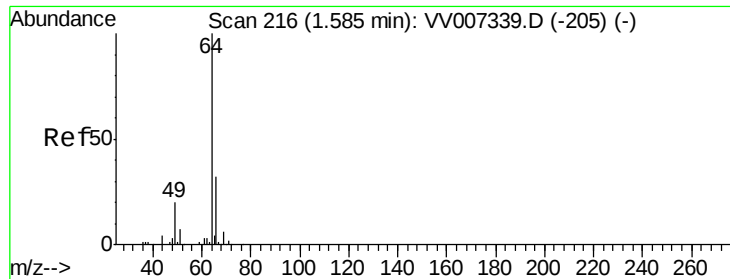
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Time-->

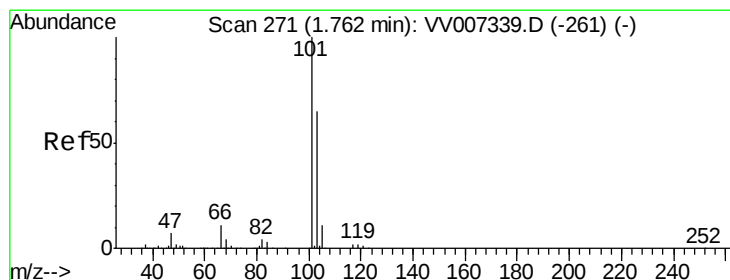
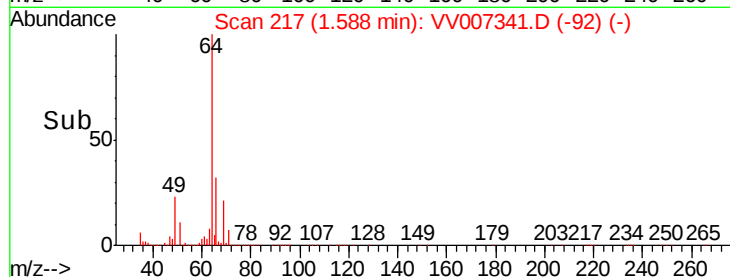
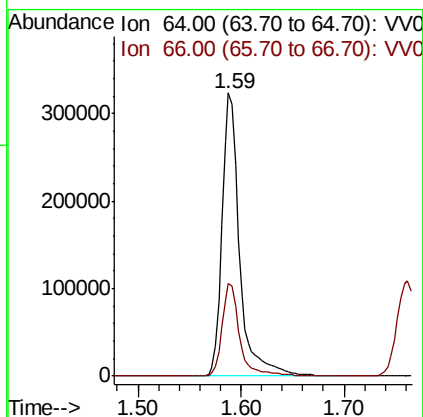
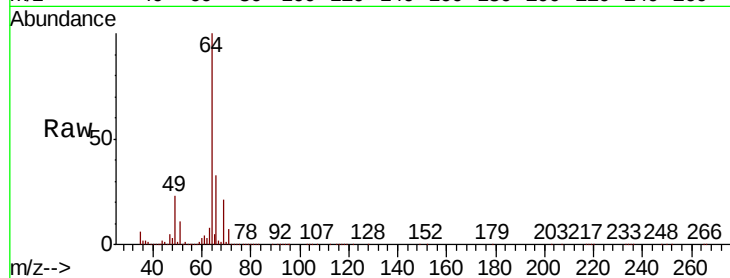




#8
Chloroethane
Concen: 161.176 ug/L
RT: 1.59 min Scan# 217
Delta R.T. 0.00 min
Lab File: VV007341.D
Acq: 04 Sep 2018 20:48

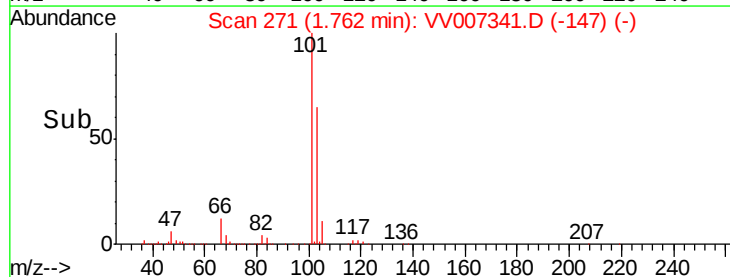
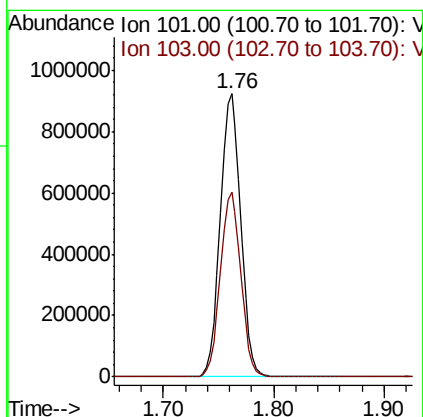
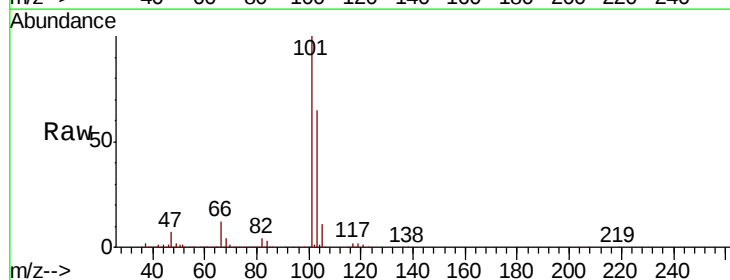
Instrument :
MSVOA_V
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VSTD20064

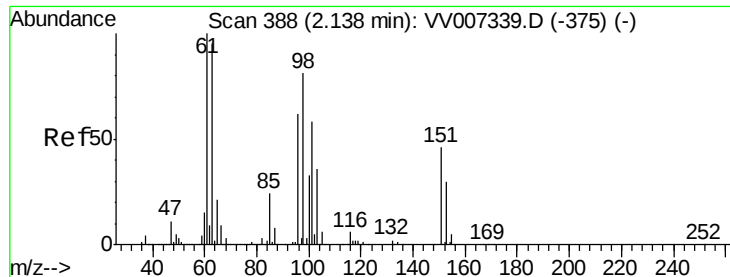
Tgt Ion: 64 Resp: 380879
Ion Ratio Lower Upper
64 100
66 32.7 22.6 42.0



#9
Trichlorofluoromethane
Concen: 189.280 ug/L
RT: 1.76 min Scan# 271
Delta R.T. 0.00 min
Lab File: VV007341.D
Acq: 04 Sep 2018 20:48

Tgt Ion: 101 Resp: 1191203
Ion Ratio Lower Upper
101 100
103 65.3 51.8 77.8





#10

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

Concen: 190.226 ug/L

RT: 2.14 min Scan# 388

Delta R.T. 0.00 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

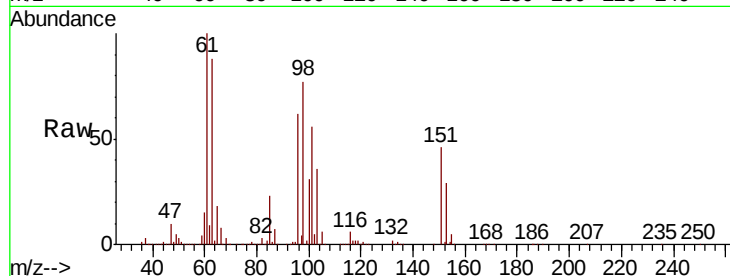
Tgt Ion:101 Resp: 744461

Ion Ratio Lower Upper

101 100

85 41.1 32.7 49.1

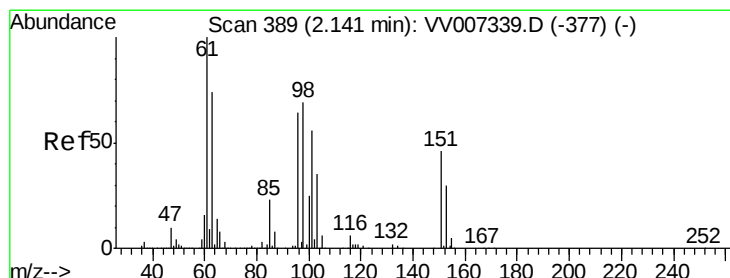
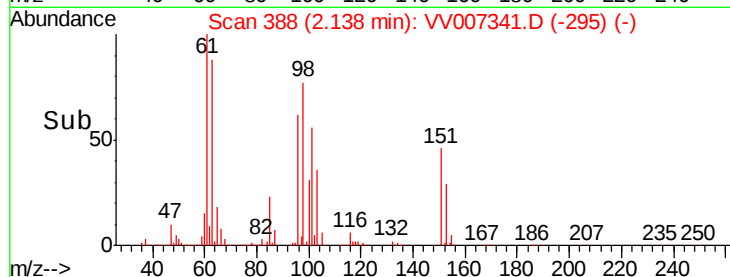
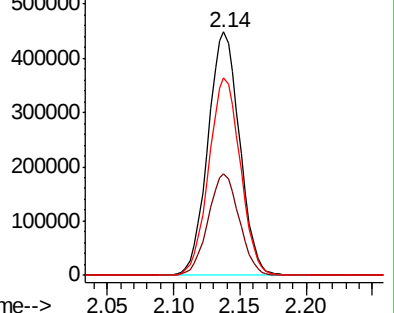
151 80.7 64.5 96.7



Abundance Ion 101.00 (100.70 to 101.70): VV007339.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VV007339.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VV007339.D (-375) (-)



#12

1,1-Dichloroethene

Concen: 194.625 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

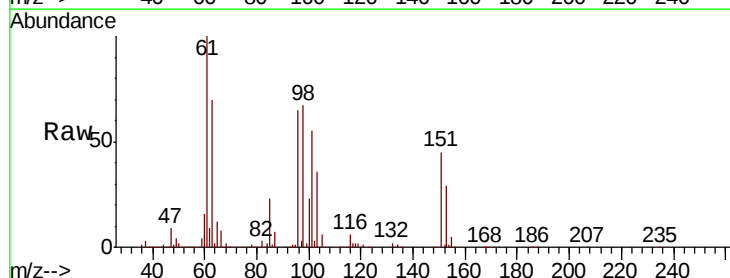
Tgt Ion: 96 Resp: 713284

Ion Ratio Lower Upper

96 100

61 154.7 108.6 201.8

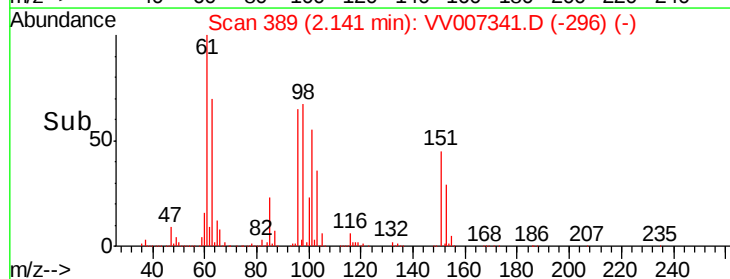
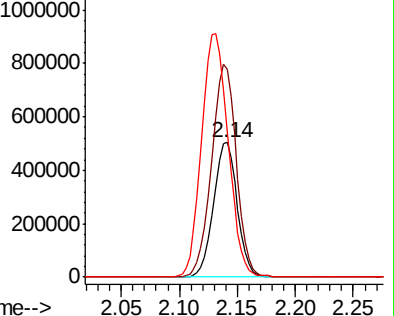
63 108.1 81.5 151.3

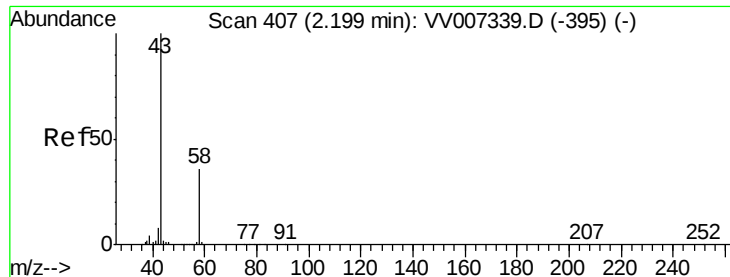


Abundance Ion 96.00 (95.70 to 96.70): VV007339.D (-377) (-)

Ion 61.00 (60.70 to 61.70): VV007339.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VV007339.D (-377) (-)





#13

Acetone

Concen: 308.273 ug/L

RT: 2.21 min Scan# 409

Delta R.T. 0.01 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

Instrument :

MSVOA_V

ClientSampleId :

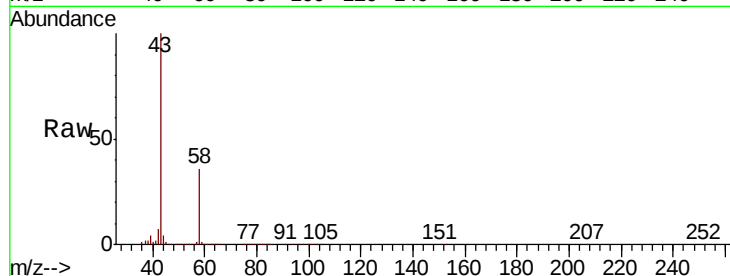
VSTD20064

Tgt Ion: 43 Resp: 726626

Ion Ratio Lower Upper

43 100

58 36.0 0.0 71.2



Abundance Ion 43.00 (42.70 to 43.70): VV007339.D (-395) (-)

Ion 58.00 (57.70 to 58.70): VV007339.D (-395) (-)

2.21

400000

300000

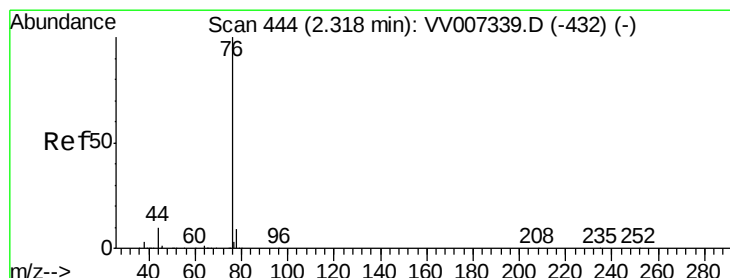
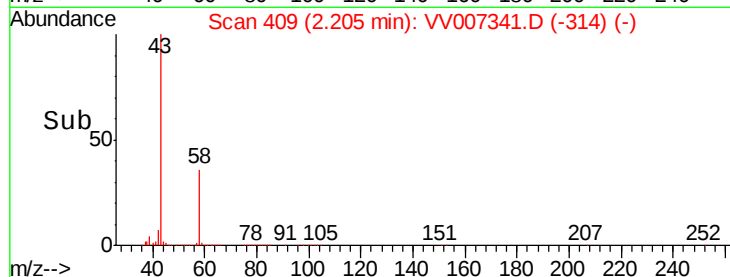
200000

100000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 189.414 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV007341.D

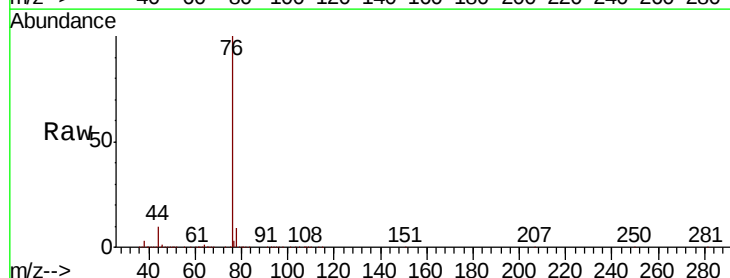
Acq: 04 Sep 2018 20:48

Tgt Ion: 76 Resp: 2049889

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV007339.D (-432) (-)

Ion 78.00 (77.70 to 78.70): VV007339.D (-432) (-)

2.32

1500000

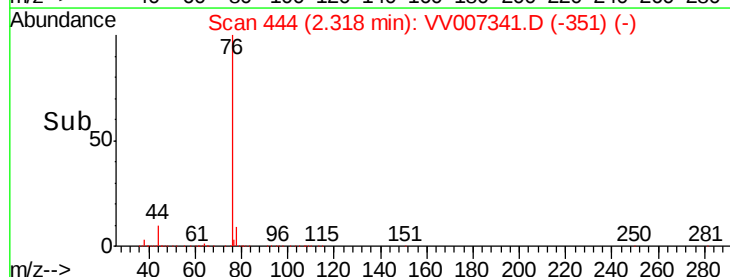
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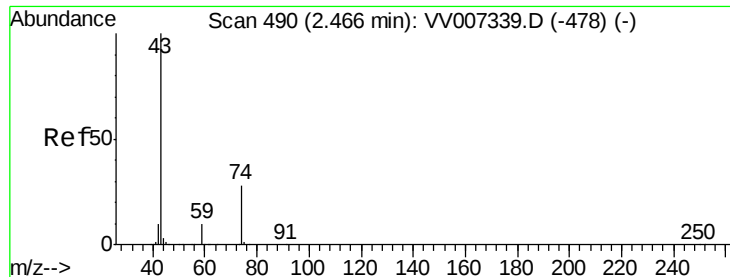
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Time-->

2.25 2.30 2.35 2.40

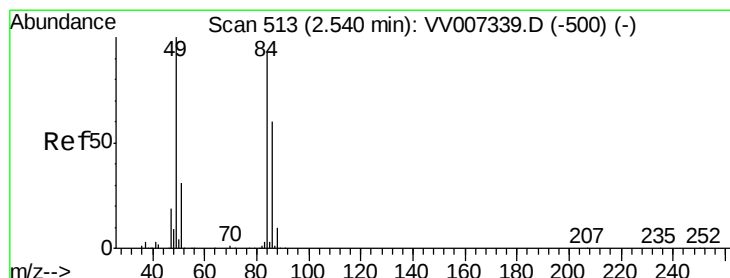
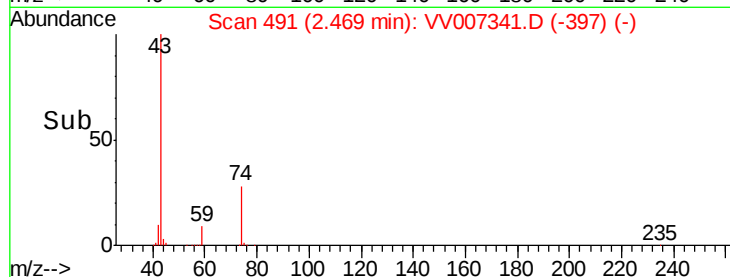
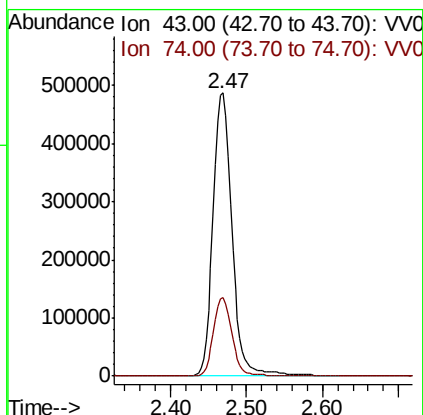
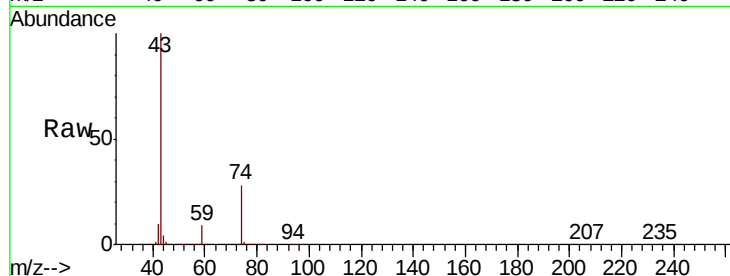




#15
Methyl Acetate
Concen: 196.885 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV007341.D
Acq: 04 Sep 2018 20:48

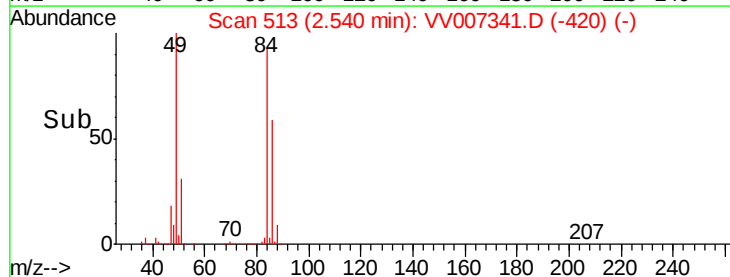
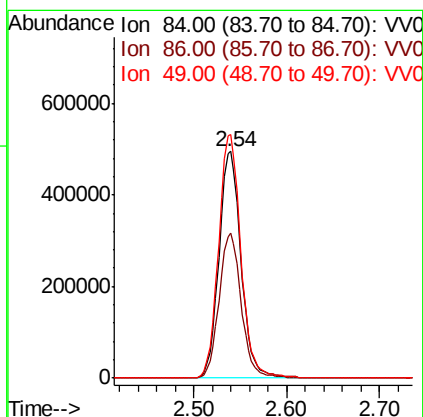
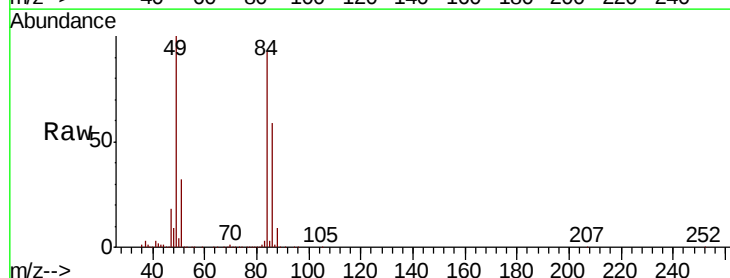
Instrument :
MSVOA_V
ClientSampled :
VSTD20064

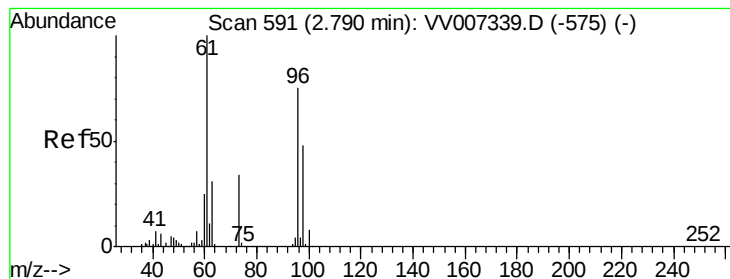
Tgt Ion: 43 Resp: 835951
Ion Ratio Lower Upper
43 100
74 27.3 21.5 32.3



#16
Methylene chloride
Concen: 185.343 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV007341.D
Acq: 04 Sep 2018 20:48

Tgt Ion: 84 Resp: 817875
Ion Ratio Lower Upper
84 100
86 63.7 45.3 84.1
49 107.4 75.6 140.4





#17

trans-1,2-Dichloroethene

Concen: 192.144 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

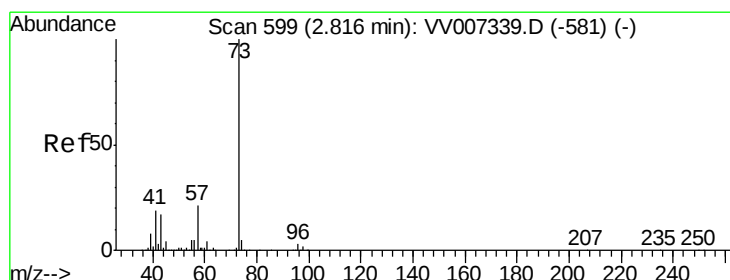
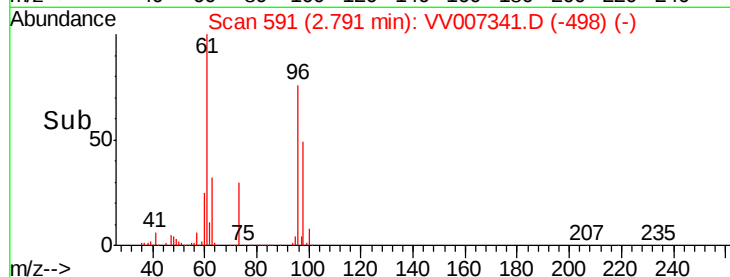
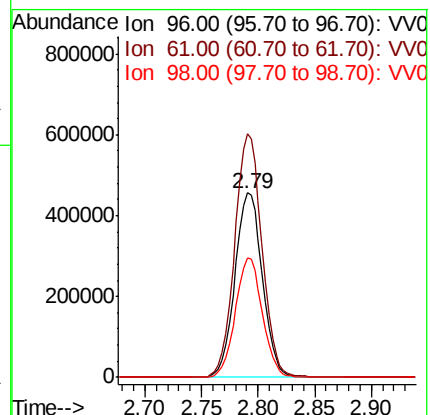
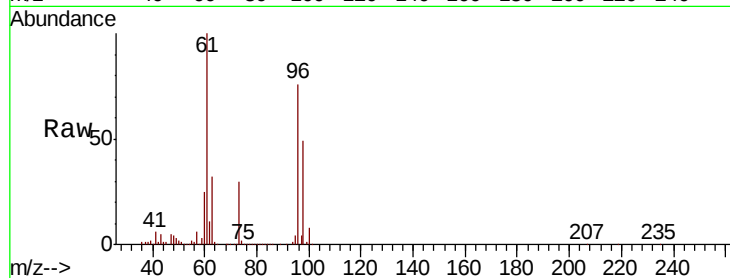
Tgt Ion: 96 Resp: 769572

Ion Ratio Lower Upper

96 100

61 131.9 93.1 172.9

98 64.4 44.9 83.5



#18

Methyl tert-butyl Ether

Concen: 199.220 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

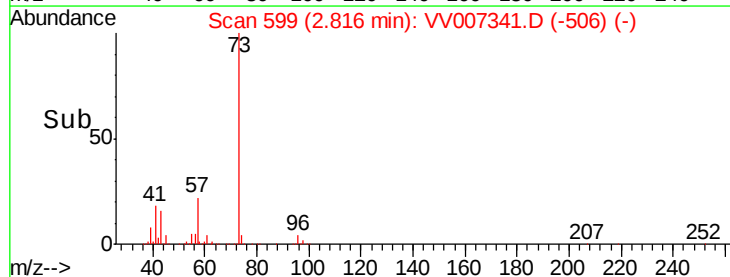
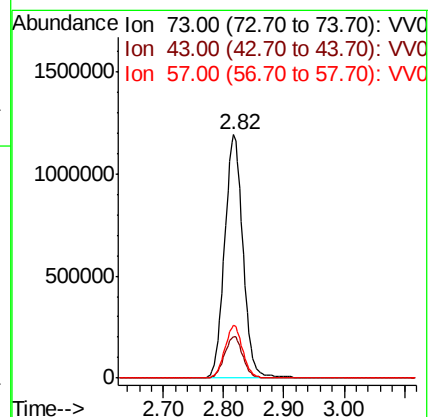
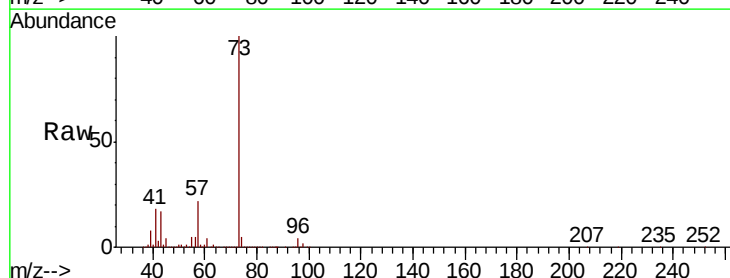
Tgt Ion: 73 Resp: 2493786

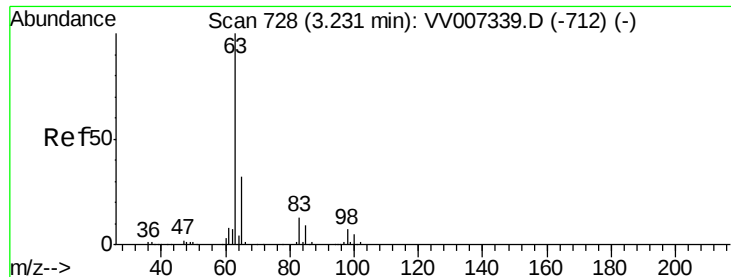
Ion Ratio Lower Upper

73 100

43 17.0 13.4 20.2

57 21.2 17.0 25.4



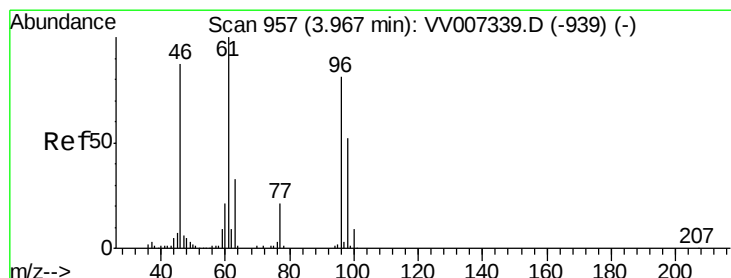
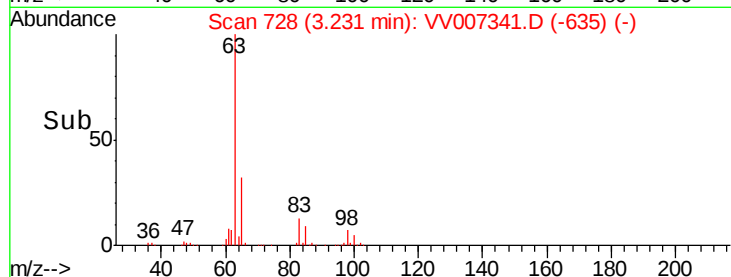
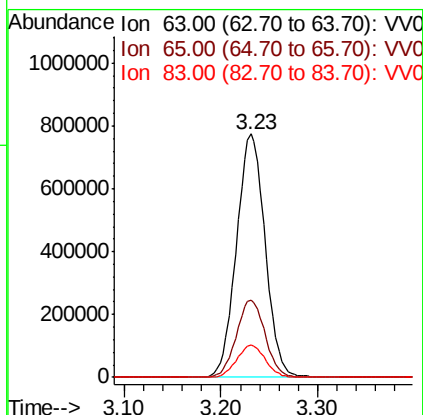
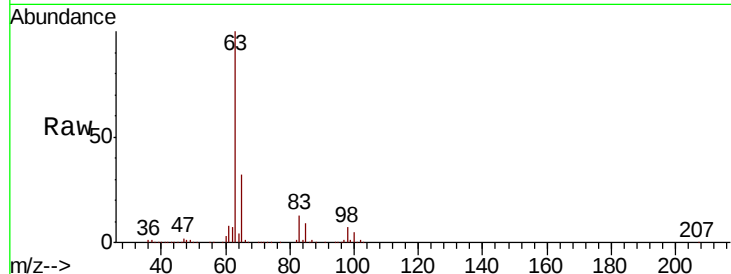


#19
 1,1-Dichloroethane
 Concen: 194.692 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV007341.D
 Acq: 04 Sep 2018 20:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

Tgt Ion: 63 Resp: 1590677

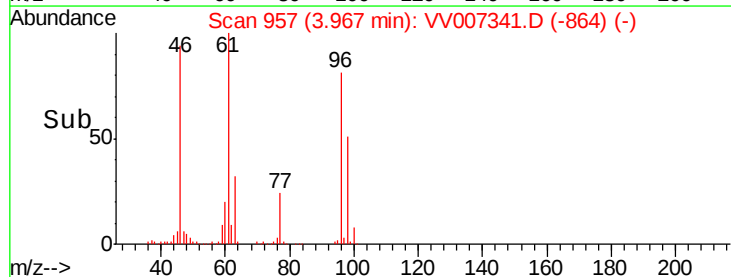
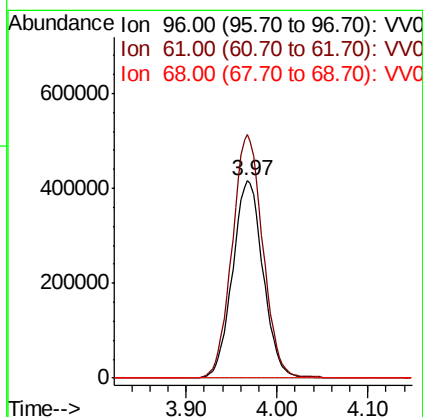
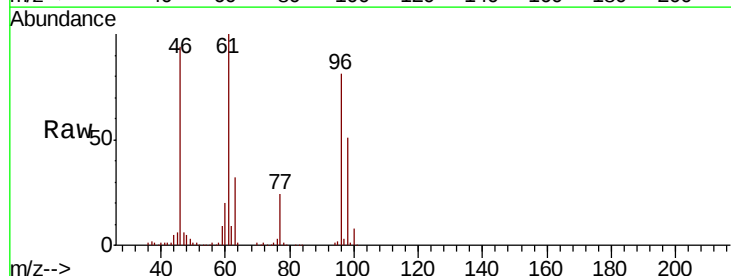
Ion	Ratio	Lower	Upper
63	100		
65	32.0	22.5	41.9
83	13.3	9.0	16.8

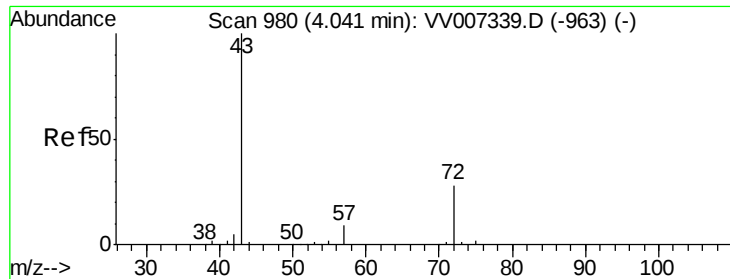


#20
 cis-1,2-Dichloroethene
 Concen: 207.557 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV007341.D
 Acq: 04 Sep 2018 20:48

Tgt Ion: 96 Resp: 970120

Ion	Ratio	Lower	Upper
96	100		
61	123.4	86.8	161.2
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 400.083 ug/L

RT: 4.05 min Scan# 982

Delta R.T. 0.01 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

Instrument :

MSVOA_V

ClientSampled :

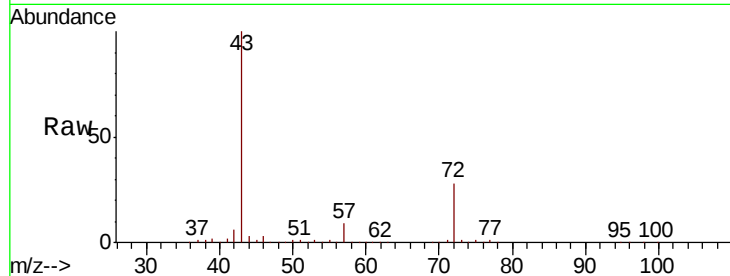
VSTD20064

Tgt Ion: 43 Resp: 1429191

Ion Ratio Lower Upper

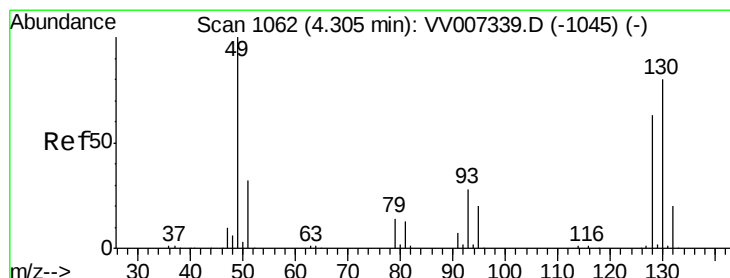
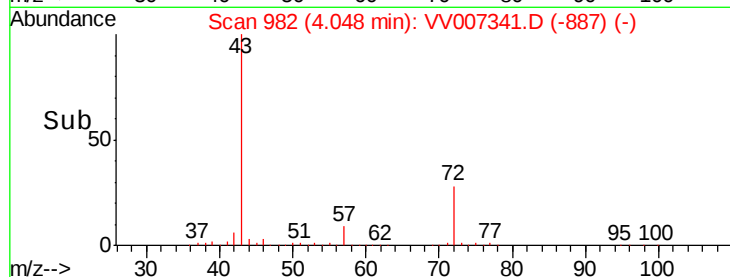
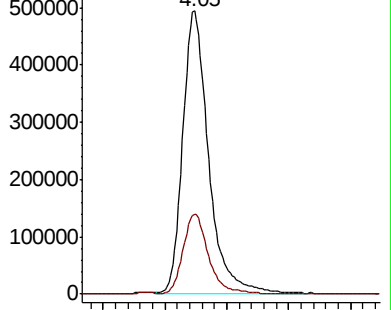
43 100

72 27.7 13.8 41.3



Abundance Ion 43.00 (42.70 to 43.70): VV007339.D (-963) (-)

Ion 72.00 (71.70 to 72.70): VV007339.D (-963) (-)



#23

Bromochloromethane

Concen: 196.050 ug/L

RT: 4.30 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

Tgt Ion: 128 Resp: 472928

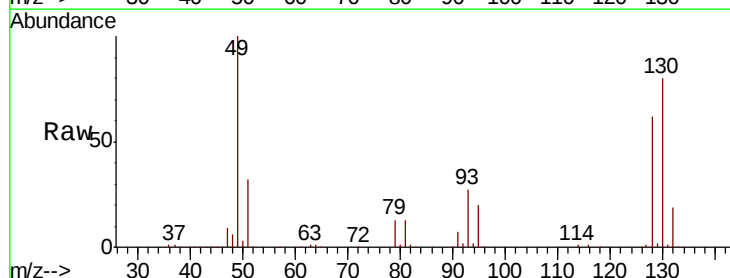
Ion Ratio Lower Upper

128 100

49 160.9 111.2 206.4

130 128.3 89.1 165.5

51 50.8 40.1 60.1

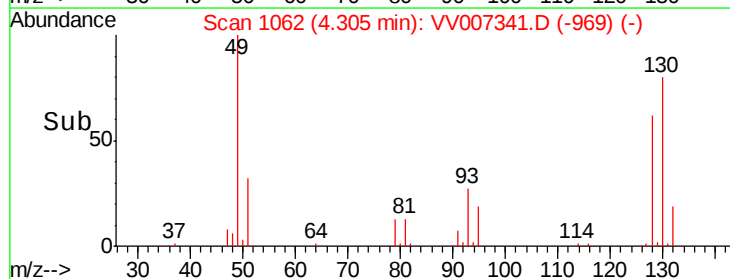
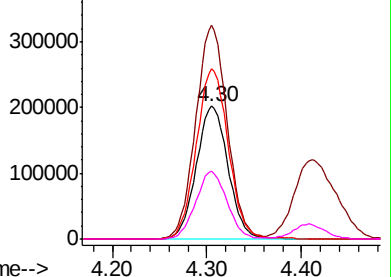


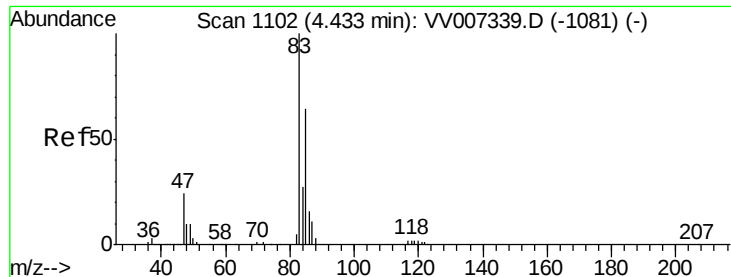
Abundance Ion 128.00 (127.70 to 128.70): VV007339.D (-1045) (-)

Ion 49.00 (48.70 to 49.70): VV007339.D (-1045) (-)

Ion 130.00 (129.70 to 130.70): VV007339.D (-1045) (-)

Ion 51.00 (50.70 to 51.70): VV007339.D (-1045) (-)





#25

Chloroform

Concen: 194.395 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

Instrument :

MSVOA_V

ClientSampleId :

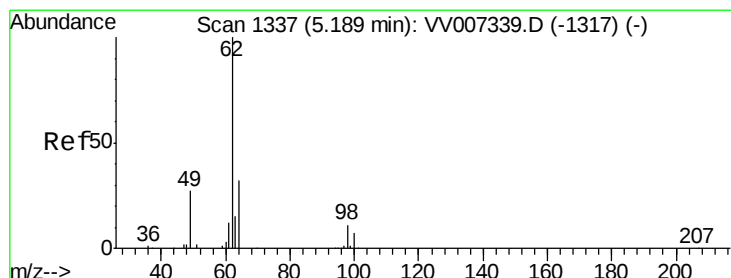
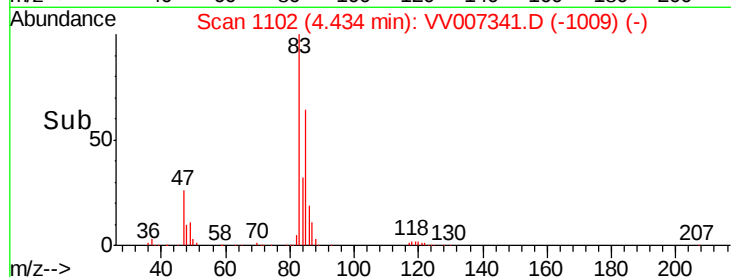
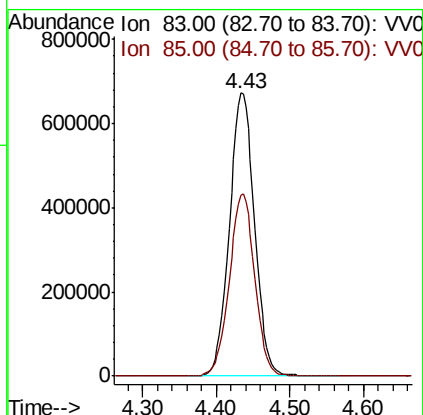
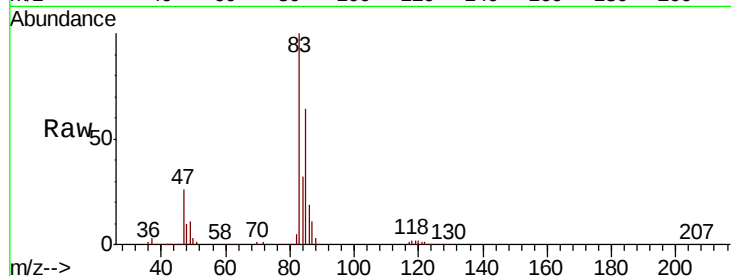
VSTD20064

Tgt Ion: 83 Resp: 1588038

Ion Ratio Lower Upper

83 100

85 63.9 45.1 83.9



#27

1,2-Dichloroethane

Concen: 199.185 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VV007341.D

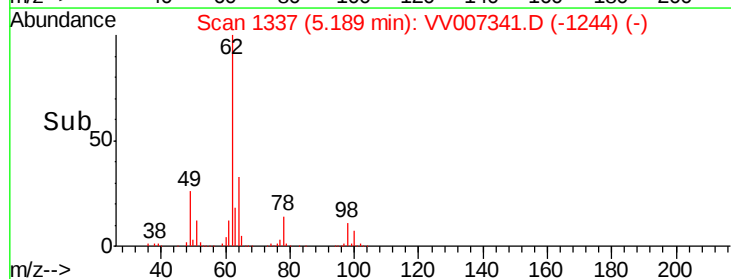
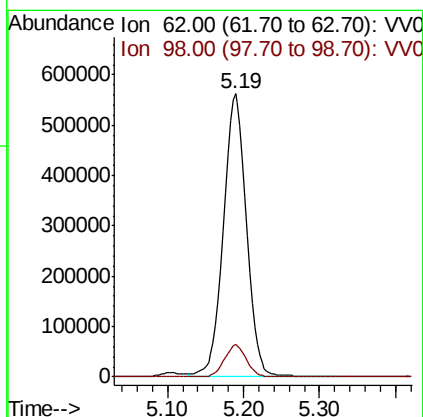
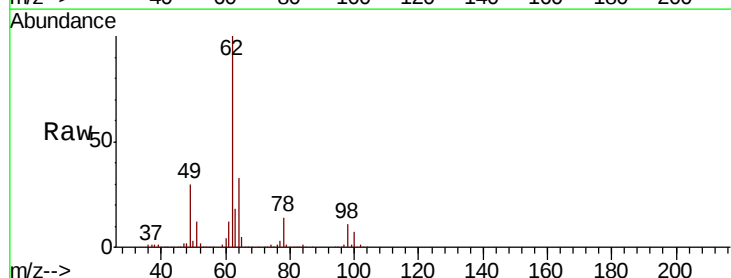
Acq: 04 Sep 2018 20:48

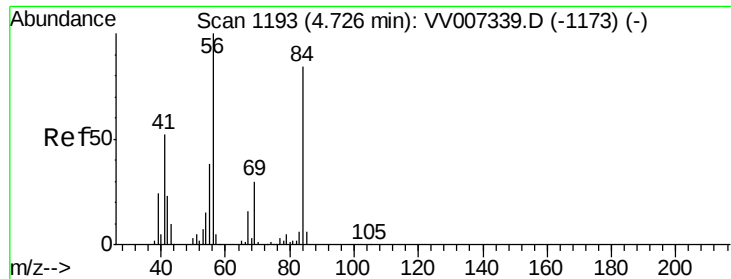
Tgt Ion: 62 Resp: 1192892

Ion Ratio Lower Upper

62 100

98 11.4 8.6 13.0

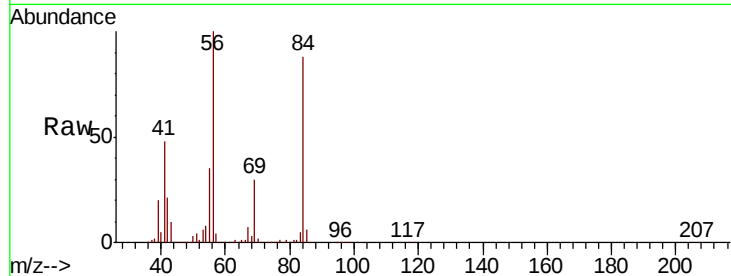




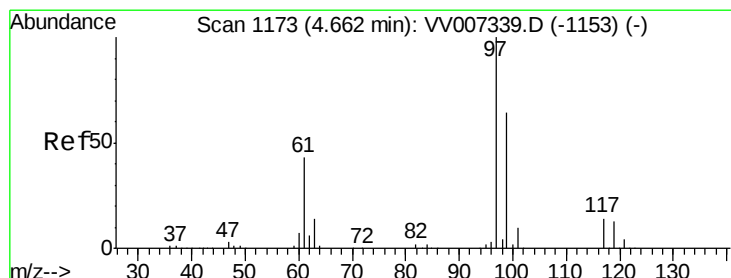
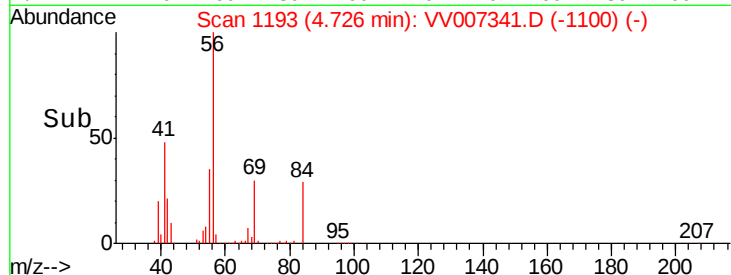
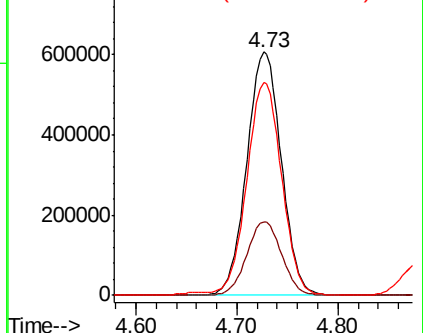
#29
Cyclohexane
Concen: 216.825 ug/L
RT: 4.73 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VV007341.D
Acq: 04 Sep 2018 20:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

Tgt Ion: 56 Resp: 1440242
Ion Ratio Lower Upper
56 100
69 30.6 24.5 36.7
84 88.3 70.6 105.8

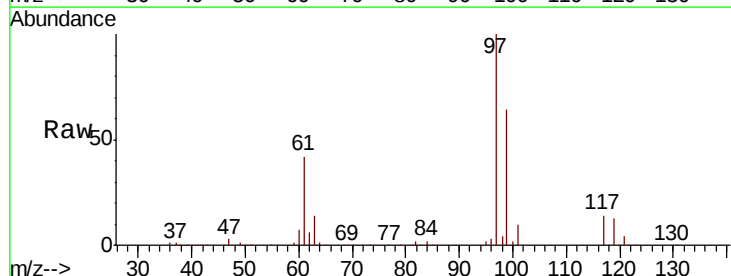


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

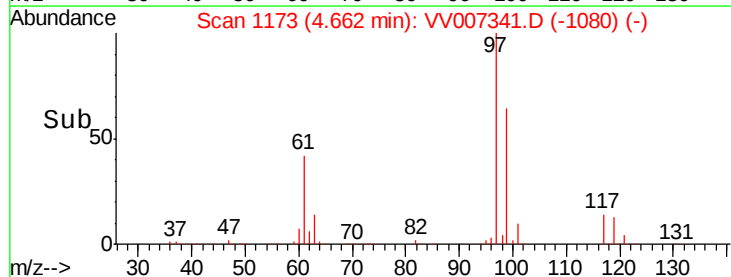
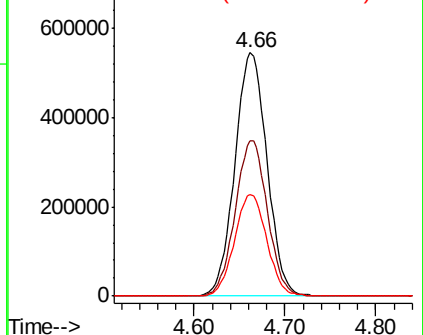


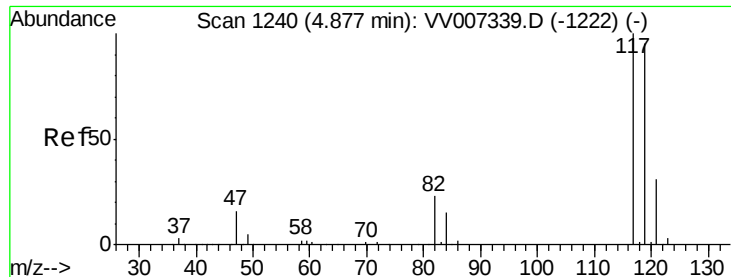
#30
1,1,1-Trichloroethane
Concen: 191.083 ug/L
RT: 4.66 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VV007341.D
Acq: 04 Sep 2018 20:48

Tgt Ion: 97 Resp: 1341812
Ion Ratio Lower Upper
97 100
99 64.0 52.1 78.1
61 42.3 34.6 51.8



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0

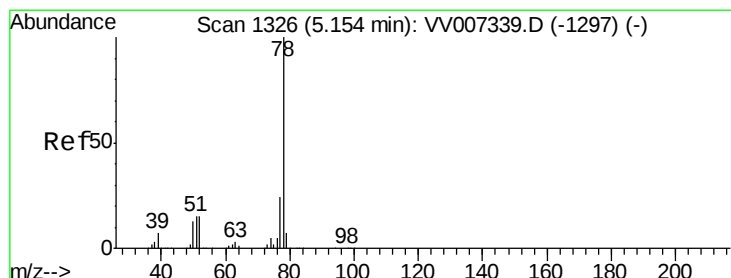
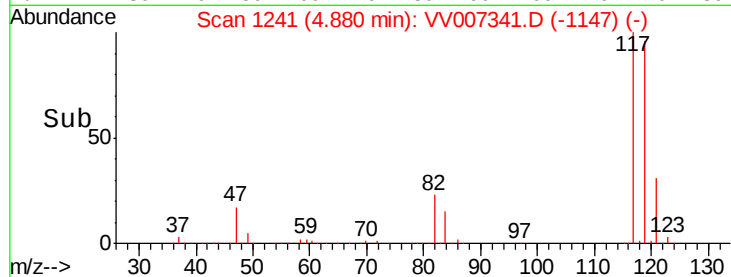
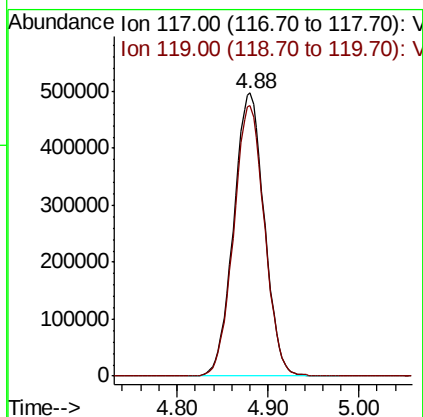
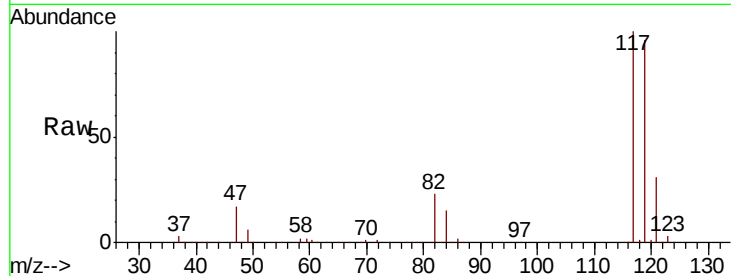




#31
Carbon tetrachloride
Concen: 192.958 ug/L
RT: 4.88 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VV007341.D
Acq: 04 Sep 2018 20:48

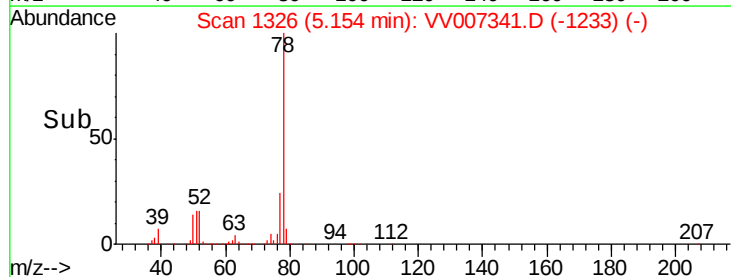
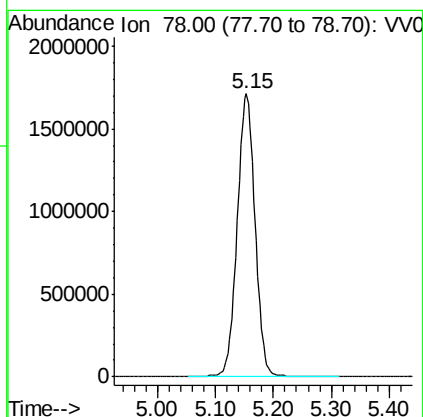
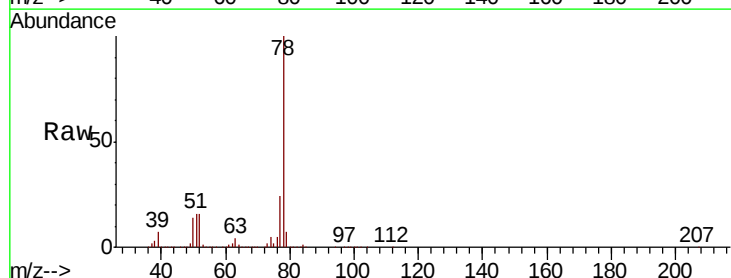
Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

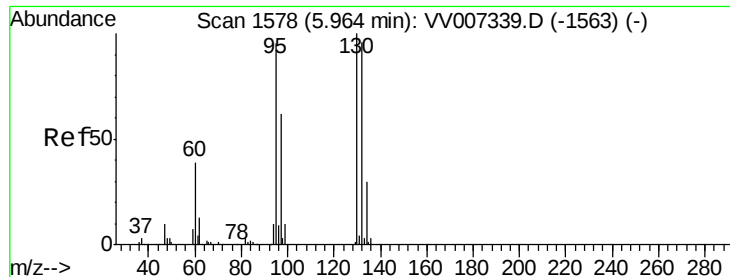
Tgt Ion:117 Resp: 1164199
Ion Ratio Lower Upper
117 100
119 95.6 76.7 115.1



#33
Benzene
Concen: 196.963 ug/L
RT: 5.15 min Scan# 1326
Delta R.T. 0.00 min
Lab File: VV007341.D
Acq: 04 Sep 2018 20:48

Tgt Ion: 78 Resp: 3676123





#34

Trichloroethene

Concen: 194.813 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

Tgt Ion: 95 Resp: 887897

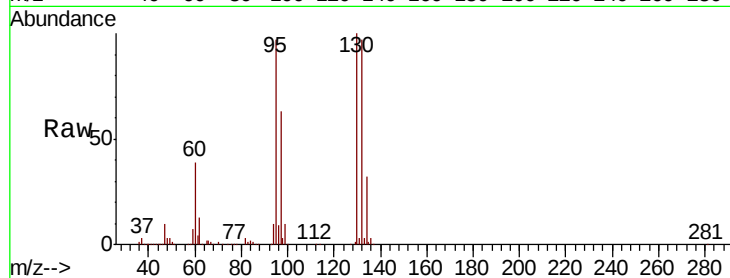
Ion Ratio Lower Upper

95 100

97 64.5 46.1 85.7

132 100.4 70.8 131.6

130 103.3 73.9 137.3

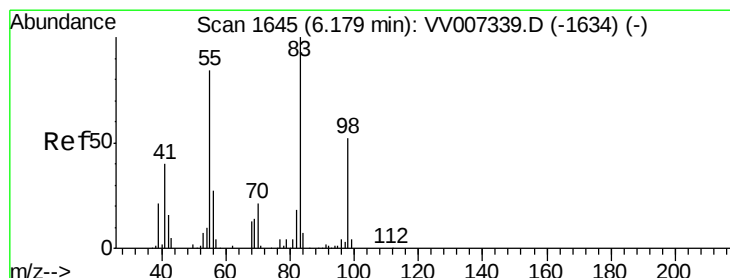
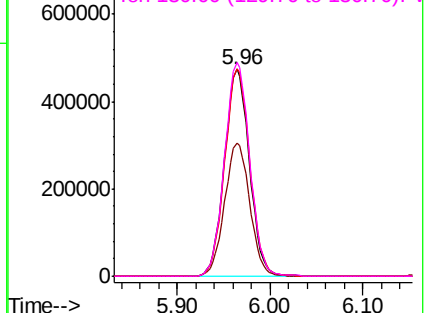
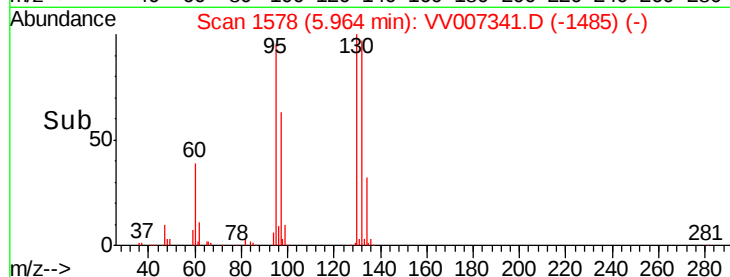


Abundance Ion 95.00 (94.70 to 95.70): VV007341.D (-1563) (-)

Ion 97.00 (96.70 to 97.70): VV007341.D (-1563) (-)

Ion 132.00 (131.70 to 132.70): VV007341.D (-1563) (-)

Ion 130.00 (129.70 to 130.70): VV007341.D (-1563) (-)



#35

Methylcyclohexane

Concen: 218.660 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

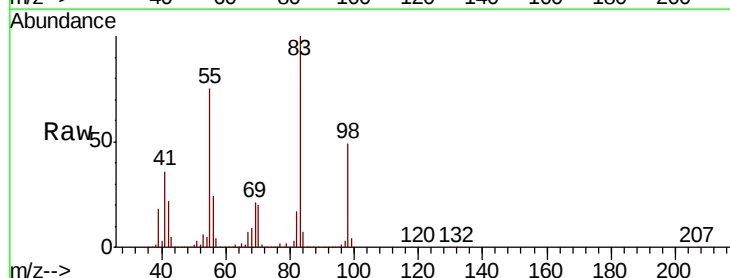
Tgt Ion: 83 Resp: 1538897

Ion Ratio Lower Upper

83 100

55 75.1 63.0 94.4

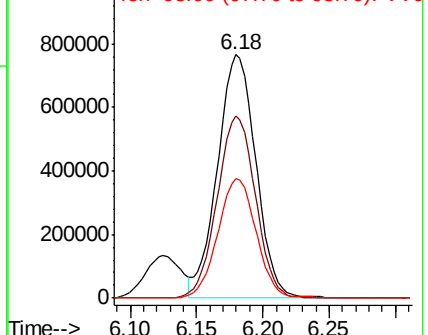
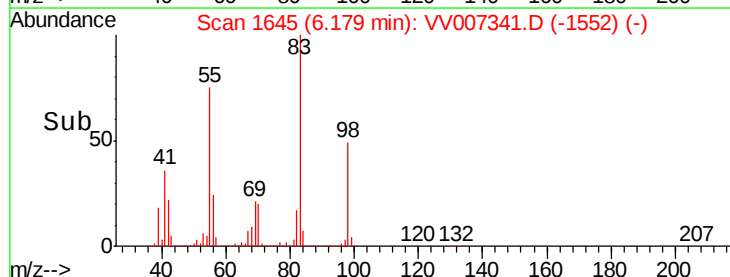
98 49.2 39.0 58.6

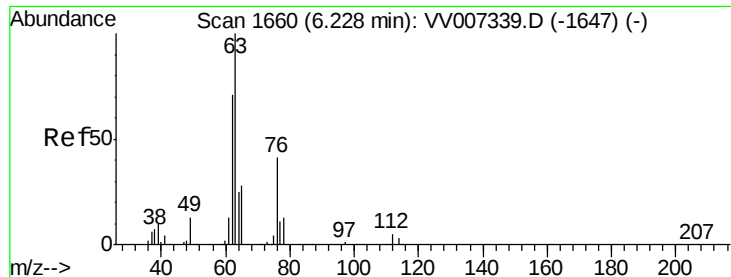


Abundance Ion 83.00 (82.70 to 83.70): VV007341.D (-1552) (-)

Ion 55.00 (54.70 to 55.70): VV007341.D (-1552) (-)

Ion 98.00 (97.70 to 98.70): VV007341.D (-1552) (-)





#37

1,2-Dichloropropane

Concen: 197.604 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

Instrument :

MSVOA_V

ClientSampleId :

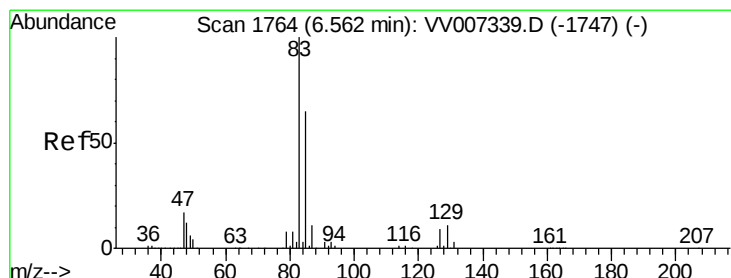
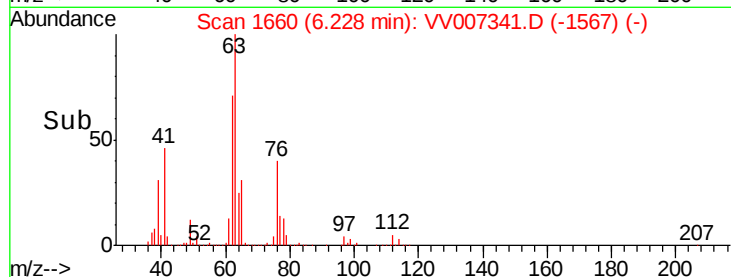
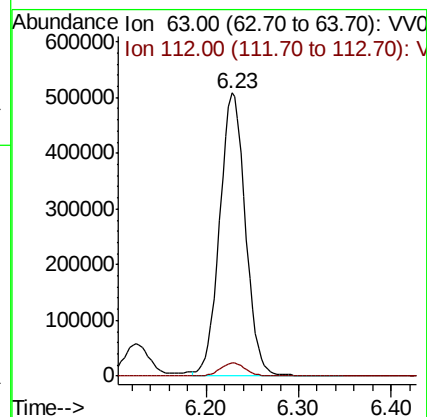
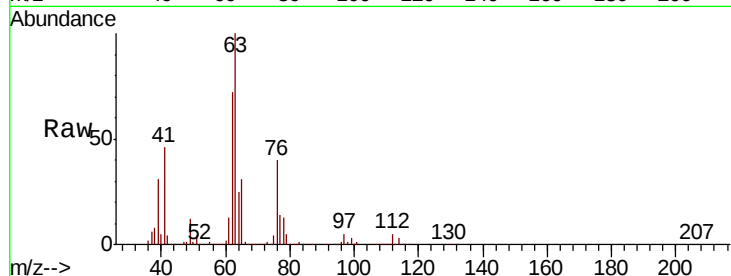
VSTD20064

Tgt Ion: 63 Resp: 977329

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.8



#38

Bromodichloromethane

Concen: 196.593 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

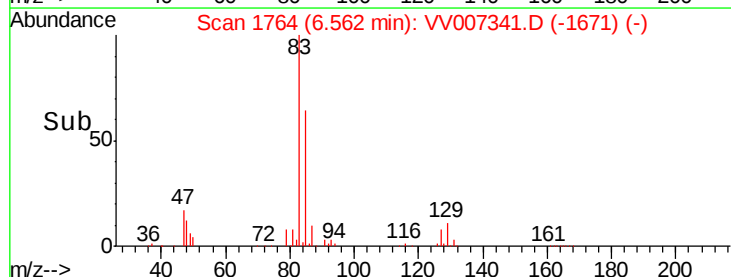
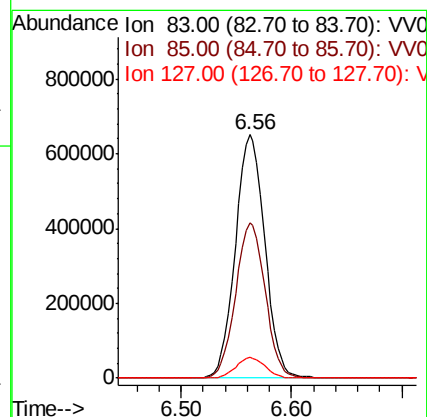
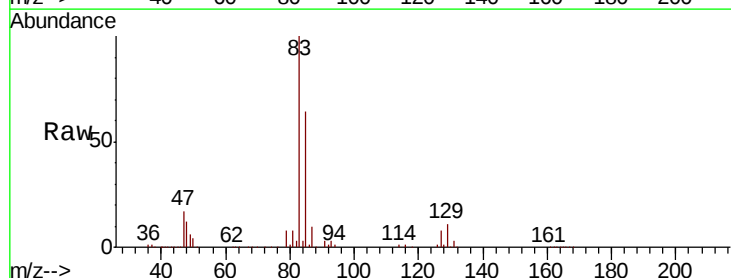
Tgt Ion: 83 Resp: 1204750

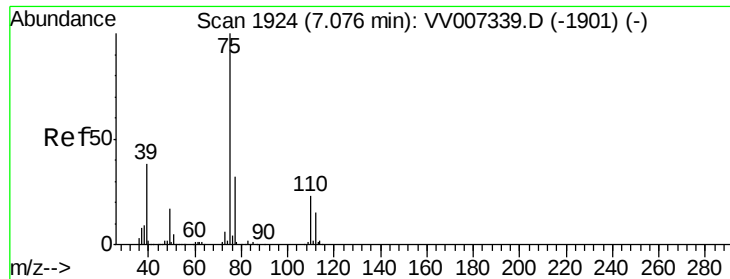
Ion Ratio Lower Upper

83 100

85 64.0 45.1 83.9

127 8.4 6.9 10.3

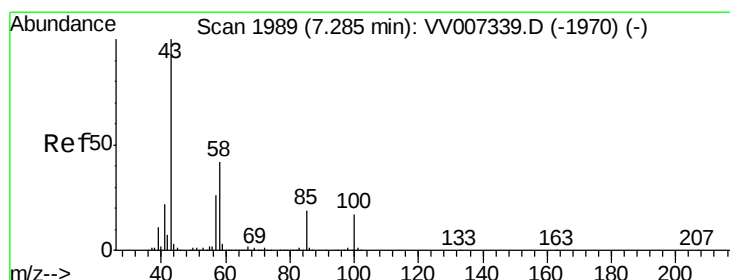
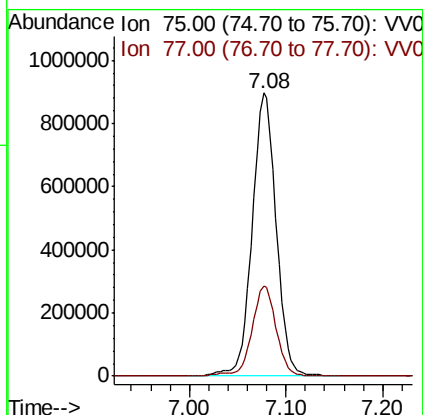
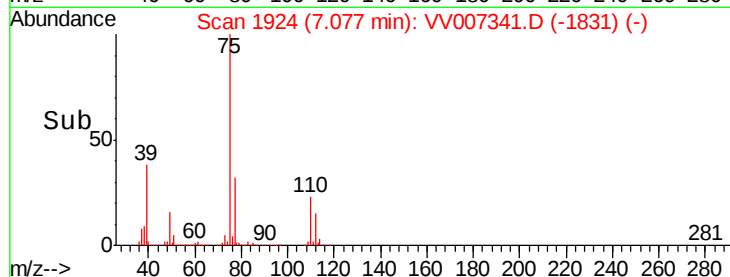
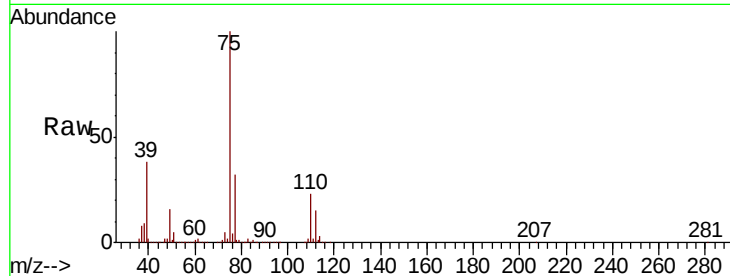




#39
 cis-1,3-Dichloropropene
 Concen: 217.523 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007341.D
 Acq: 04 Sep 2018 20:48

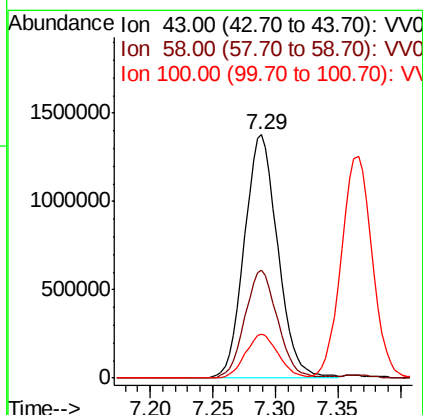
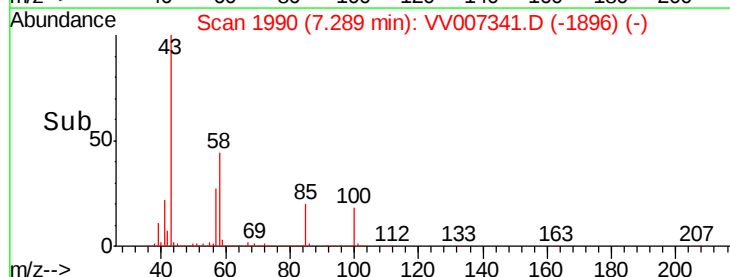
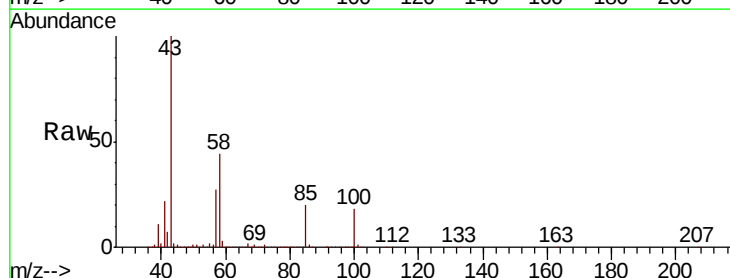
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

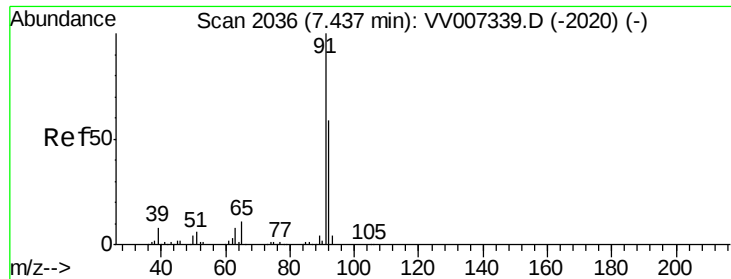
Tgt Ion: 75 Resp: 1544275
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 430.273 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VV007341.D
 Acq: 04 Sep 2018 20:48

Tgt Ion: 43 Resp: 2554072
 Ion Ratio Lower Upper
 43 100
 58 43.5 32.9 49.3
 100 17.8 13.3 19.9





#42

Toluene

Concen: 207.230 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

Instrument :

MSVOA_V

ClientSampleId :

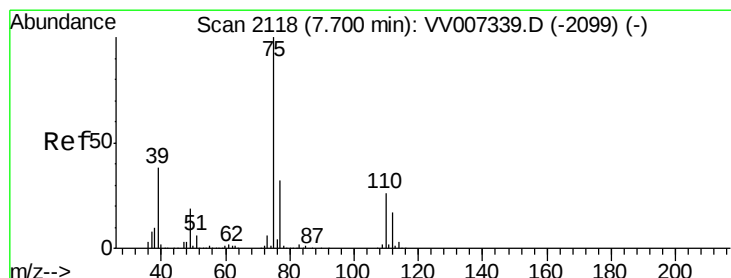
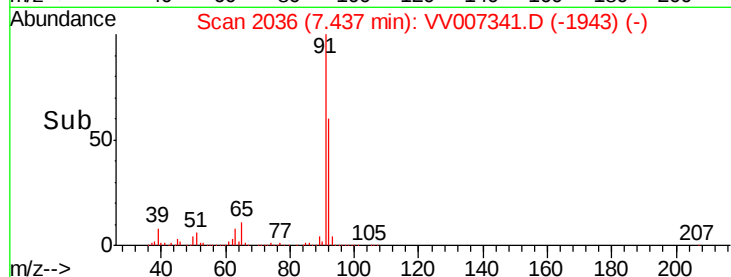
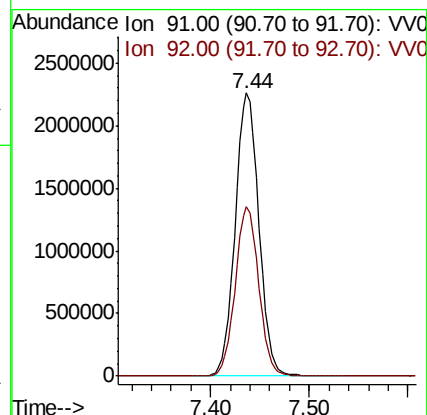
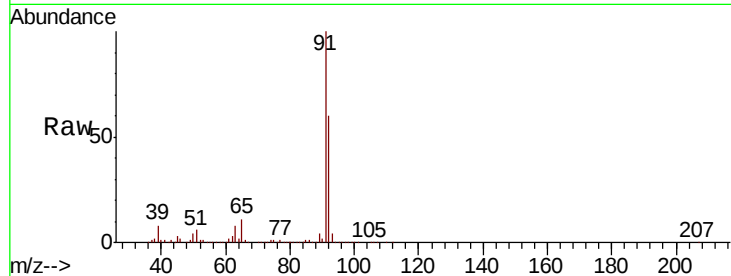
VSTD20064

Tgt Ion: 91 Resp: 3790879

Ion Ratio Lower Upper

91 100

92 59.9 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 215.684 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007341.D

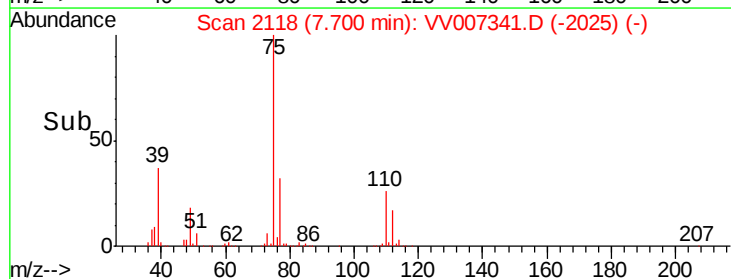
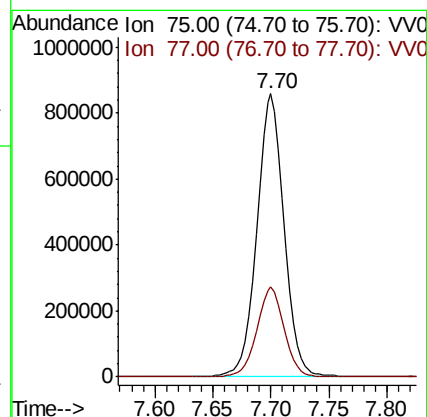
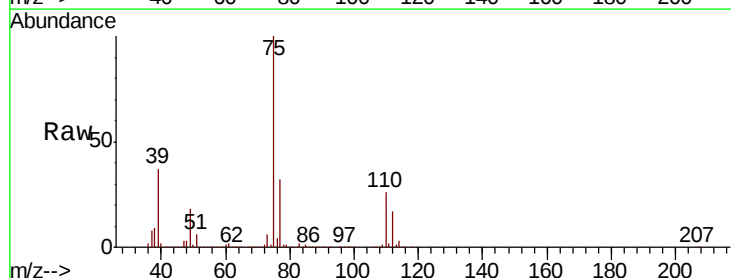
Acq: 04 Sep 2018 20:48

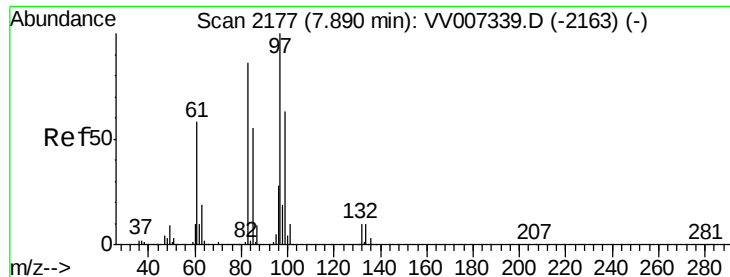
Tgt Ion: 75 Resp: 1407922

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.7

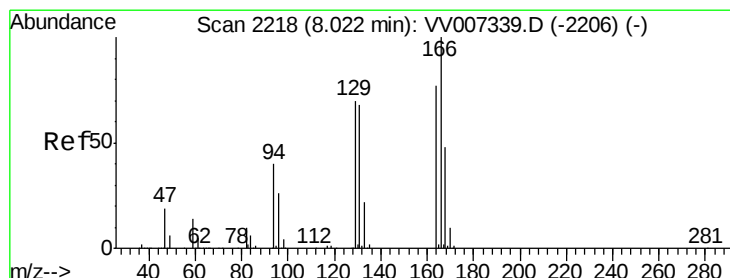
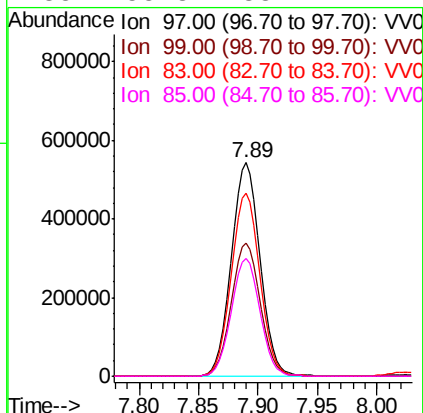
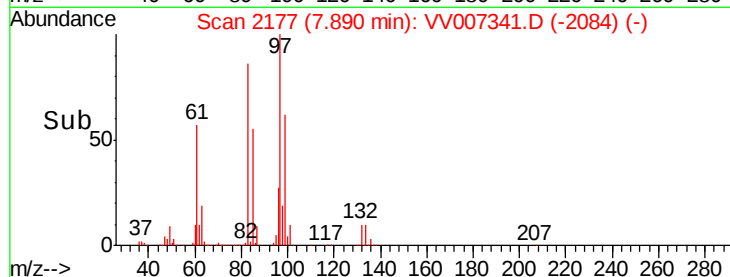
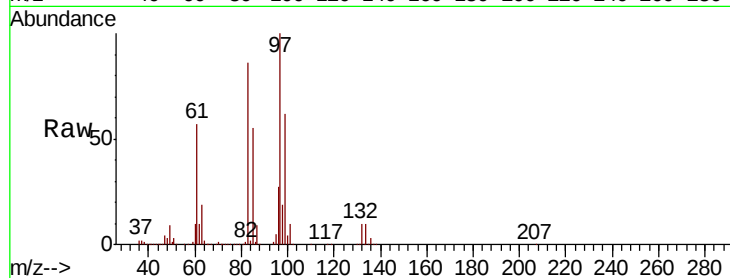




#45
 1,1,2-Trichloroethane
 Concen: 193.419 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV007341.D
 Acq: 04 Sep 2018 20:48

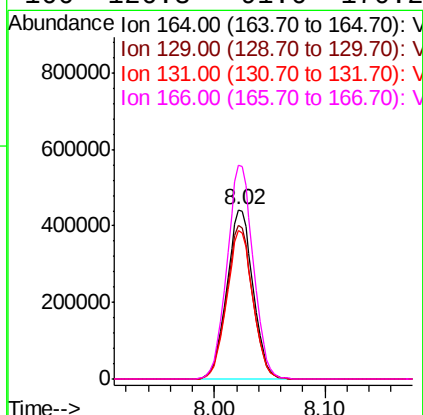
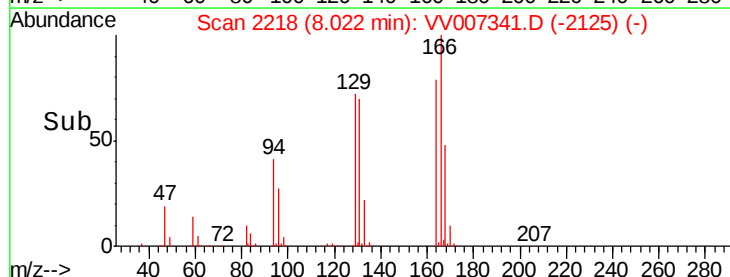
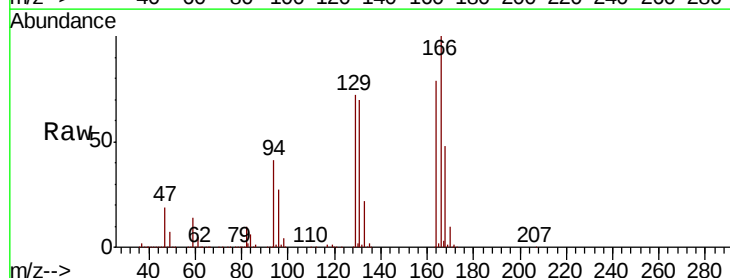
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

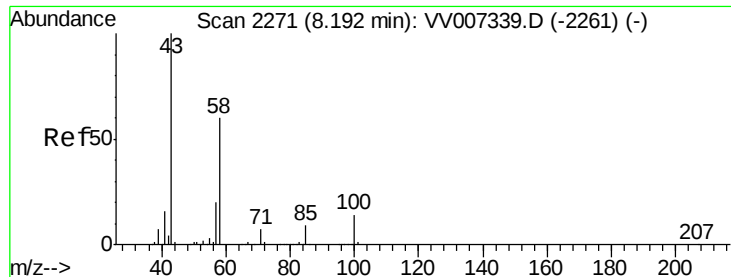
Tgt Ion:	97	Resp:	911095
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.0	81.6
83	86.0	60.1	111.5
85	55.3	38.4	71.2



#46
 Tetrachloroethene
 Concen: 198.269 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007341.D
 Acq: 04 Sep 2018 20:48

Tgt Ion:	164	Resp:	728219
Ion	Ratio	Lower	Upper
164	100		
129	91.2	63.9	118.7
131	87.9	62.6	116.2
166	126.3	91.6	170.2



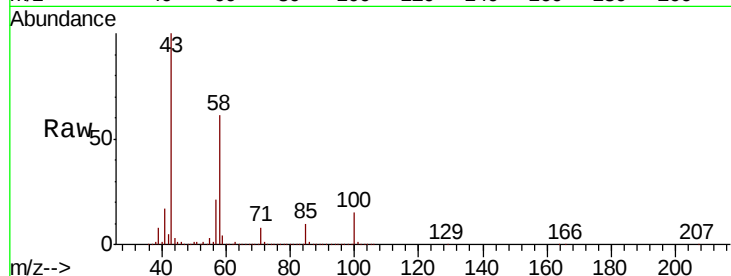


#48
2-Hexanone
Concen: 428.996 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007341.D
Acq: 04 Sep 2018 20:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

Tgt Ion: 43 Resp: 2017226

Ion	Ratio	Lower	Upper
43	100		
58	61.0	48.6	72.8
57	20.7	16.2	24.2
100	14.4	11.1	16.7

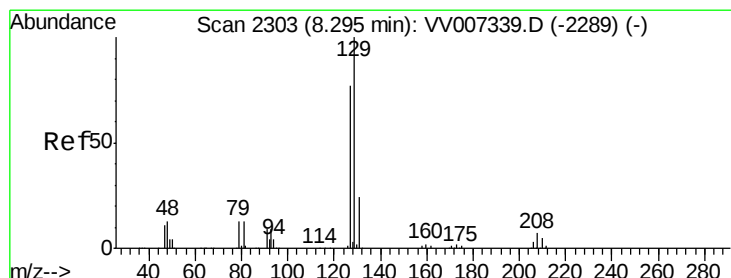
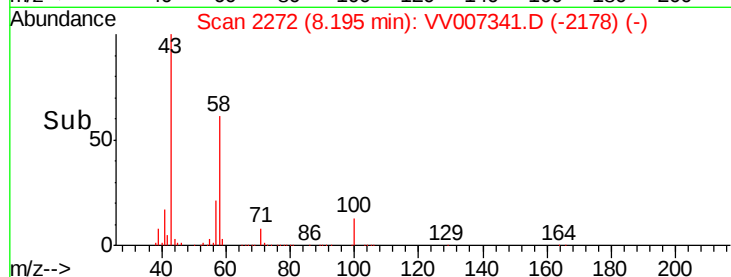
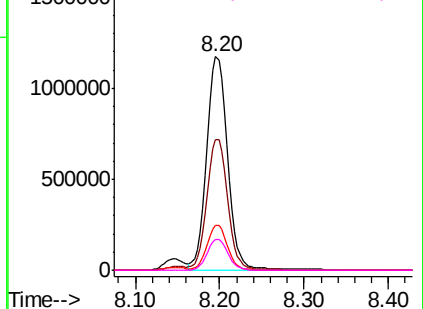


Abundance Ion 43.00 (42.70 to 43.70): VV007339.D (-2261) (-)

Ion 58.00 (57.70 to 58.70): VV007339.D (-2261) (-)

Ion 57.00 (56.70 to 57.70): VV007339.D (-2261) (-)

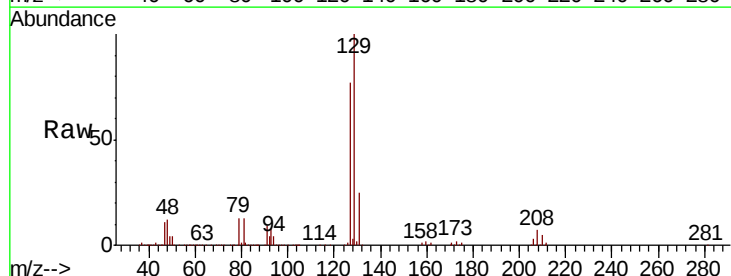
Ion 100.00 (99.70 to 100.70): VV007339.D (-2261) (-)



#49
Dibromochloromethane
Concen: 202.408 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV007341.D
Acq: 04 Sep 2018 20:48

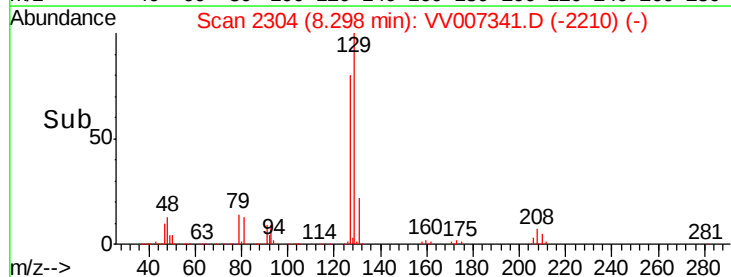
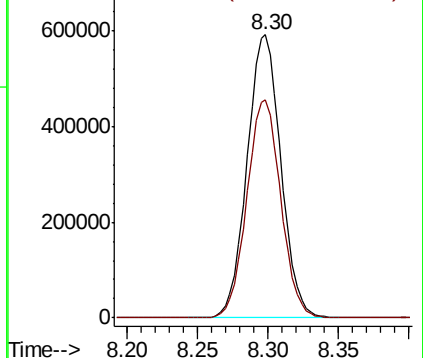
Tgt Ion: 129 Resp: 993074

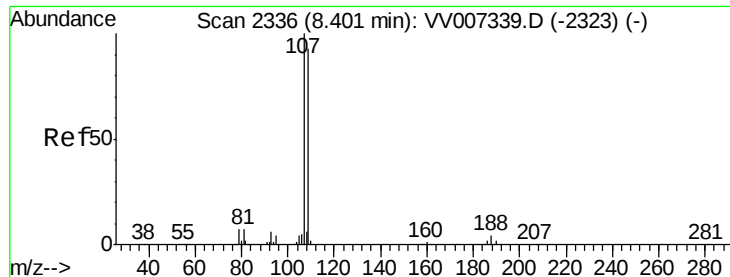
Ion	Ratio	Lower	Upper
129	100		
127	77.0	54.0	100.4



Abundance Ion 129.00 (128.70 to 129.70): VV007339.D (-2289) (-)

Ion 127.00 (126.70 to 127.70): VV007339.D (-2289) (-)

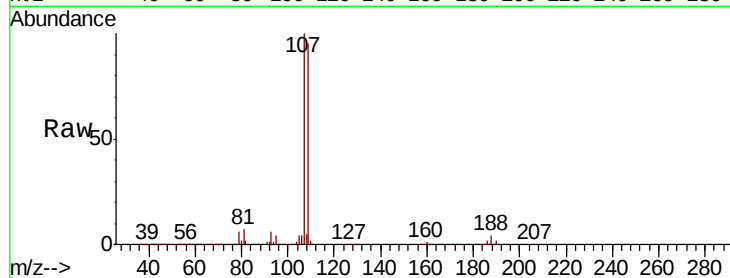




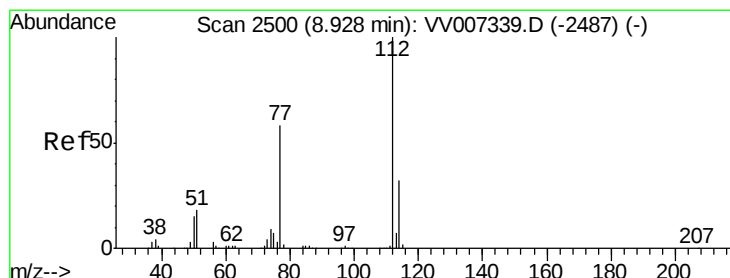
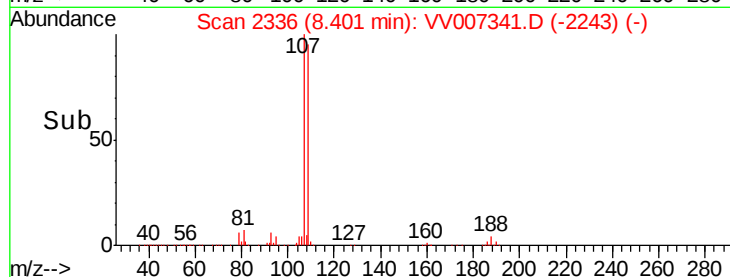
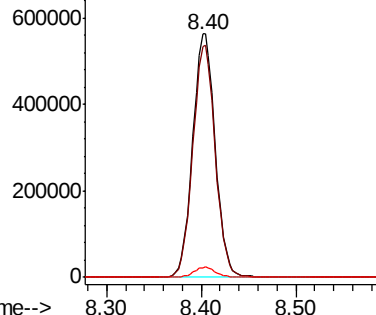
#50
1,2-Dibromoethane
Concen: 200.190 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV007341.D
Acq: 04 Sep 2018 20:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

Tgt Ion:107 Resp: 930803
Ion Ratio Lower Upper
107 100
109 94.8 64.8 120.3
188 4.1 3.1 4.7

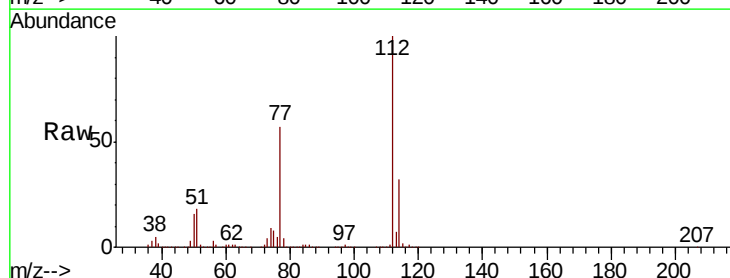


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

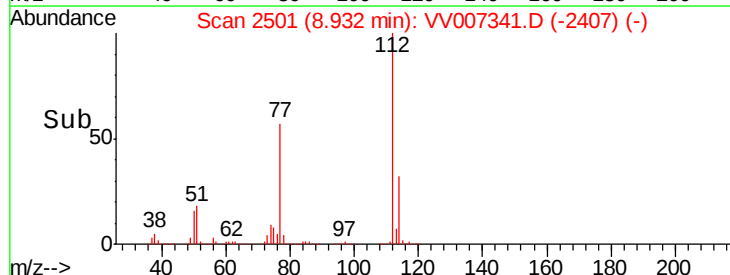
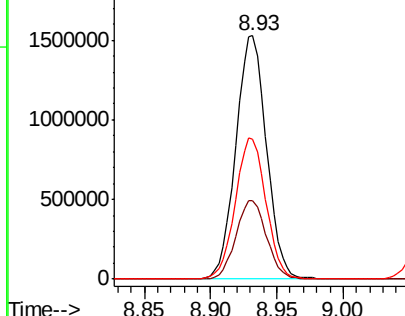


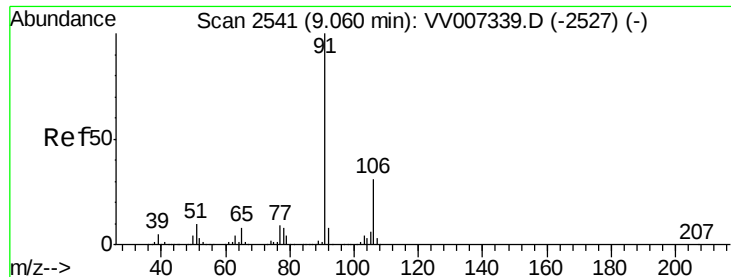
#51
Chlorobenzene
Concen: 202.371 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV007341.D
Acq: 04 Sep 2018 20:48

Tgt Ion:112 Resp: 2459854
Ion Ratio Lower Upper
112 100
114 32.4 22.5 41.7
77 57.4 46.5 69.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 221.639 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

Instrument :

MSVOA_V

ClientSampleId :

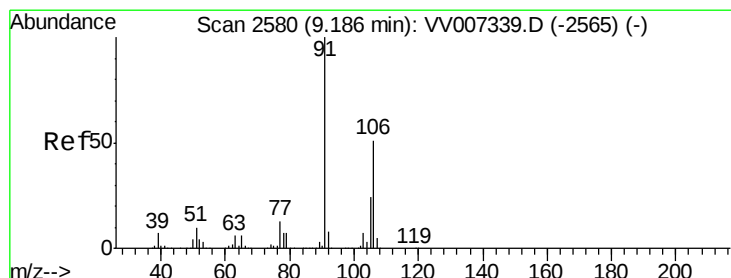
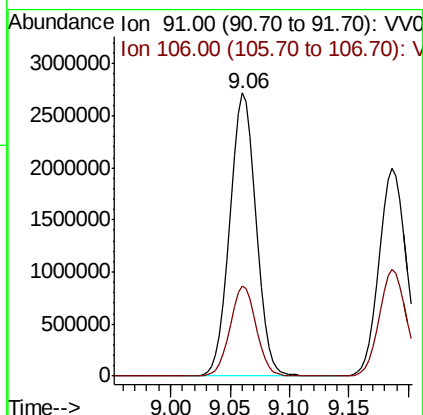
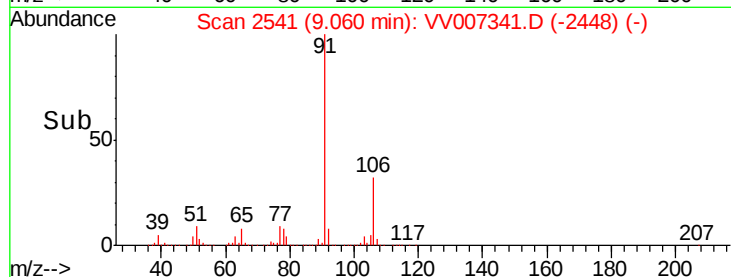
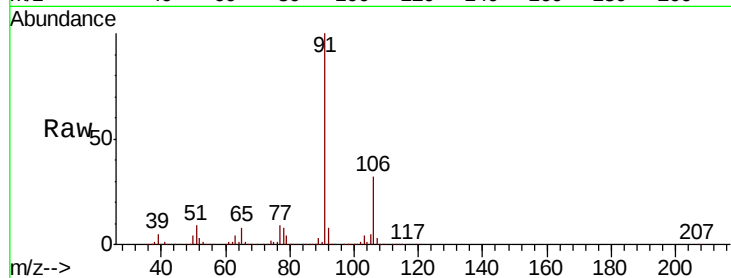
VSTD20064

Tgt Ion: 91 Resp: 4168339

Ion Ratio Lower Upper

91 100

106 31.9 21.8 40.4



#53

m,p-Xylene

Concen: 228.268 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007341.D

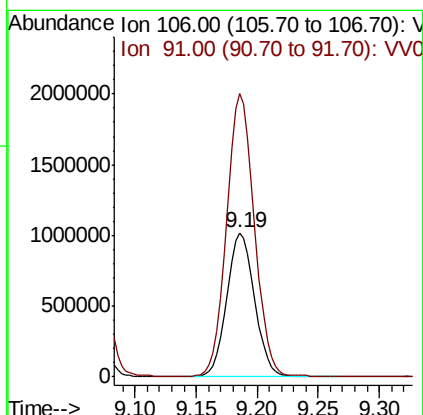
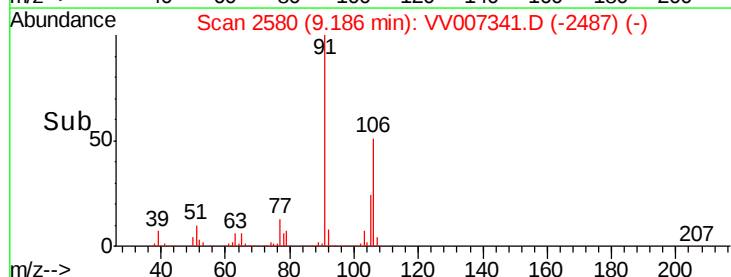
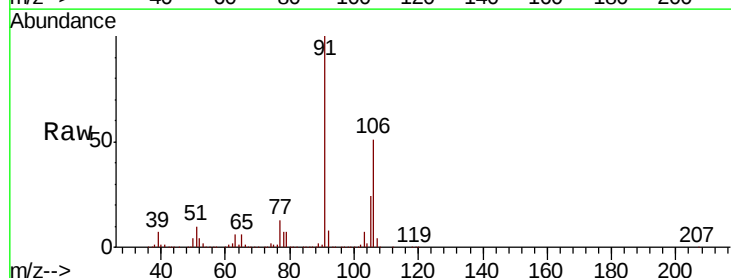
Acq: 04 Sep 2018 20:48

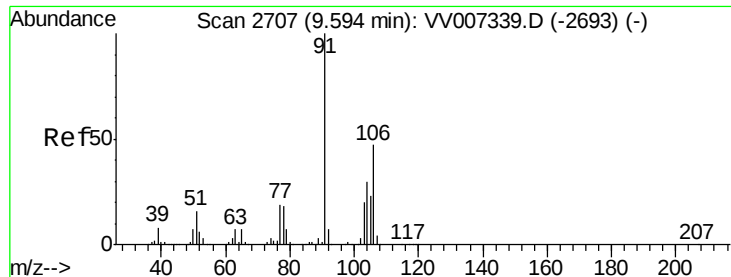
Tgt Ion: 106 Resp: 1617125

Ion Ratio Lower Upper

106 100

91 196.3 138.0 256.2





#54

o-xylene

Concen: 231.184 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

Instrument :

MSVOA_V

ClientSampleId :

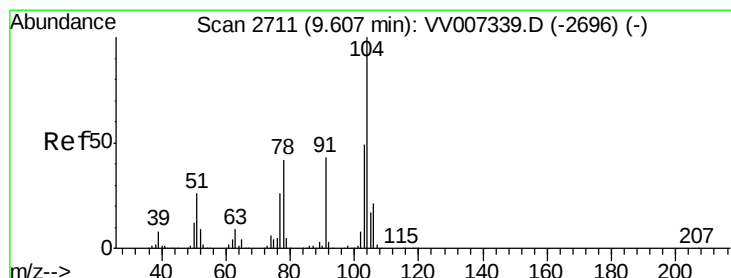
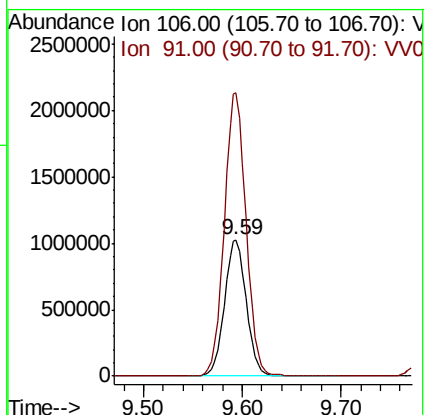
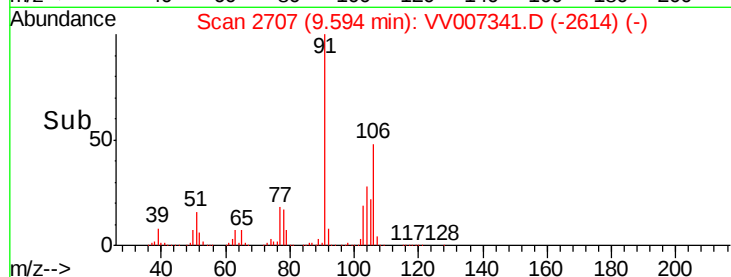
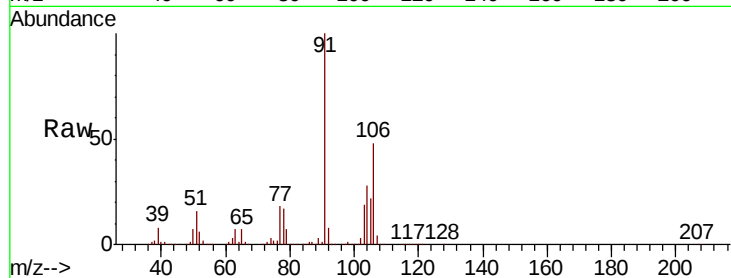
VSTD20064

Tgt Ion:106 Resp: 1594565

Ion Ratio Lower Upper

106 100

91 206.9 147.6 274.2



#55

Styrene

Concen: 233.234 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007341.D

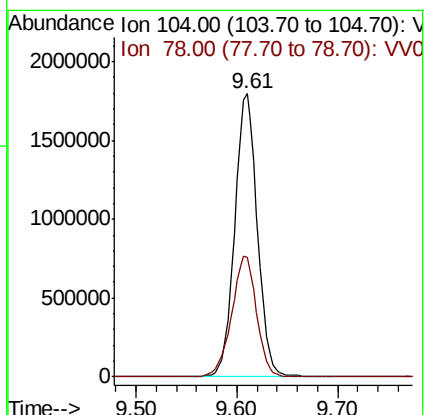
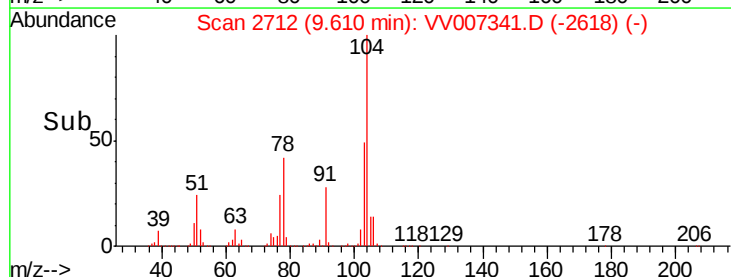
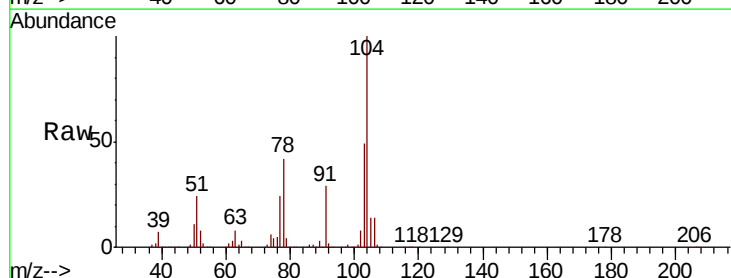
Acq: 04 Sep 2018 20:48

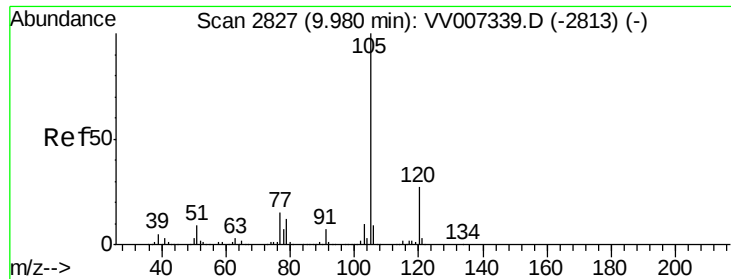
Tgt Ion:104 Resp: 2797897

Ion Ratio Lower Upper

104 100

78 42.1 29.8 55.3





#56

Isopropylbenzene

Concen: 232.074 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

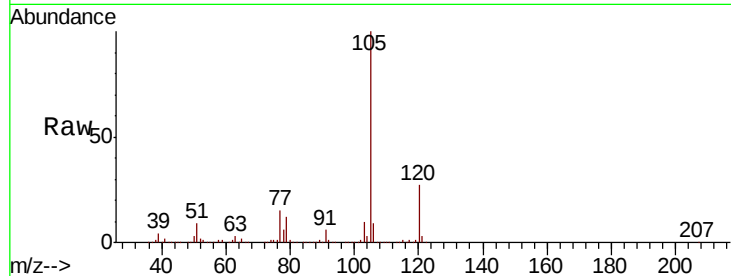
Tgt Ion:105 Resp: 4093593

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.0

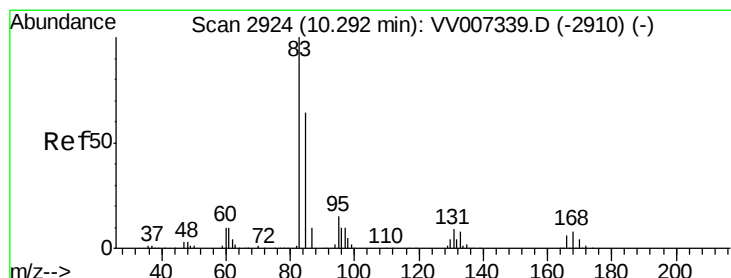
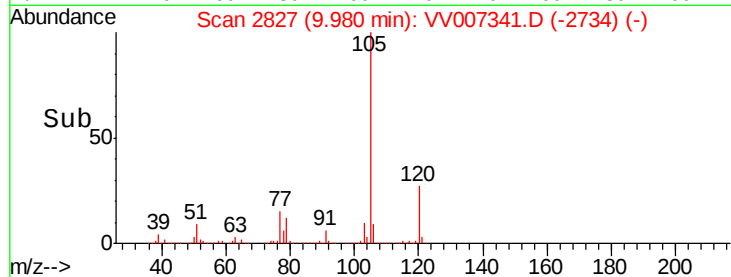
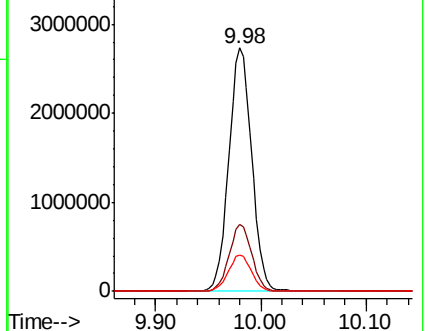
77 15.0 12.0 18.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 196.502 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

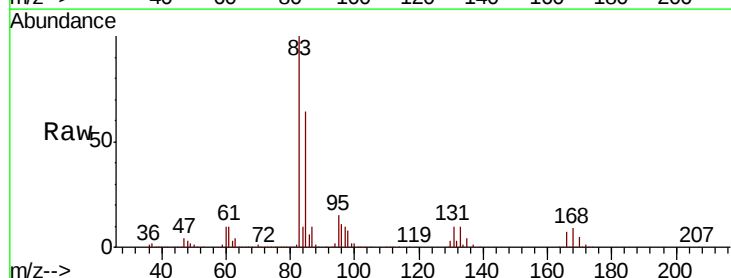
Tgt Ion: 83 Resp: 1478165

Ion Ratio Lower Upper

83 100

85 64.2 44.7 82.9

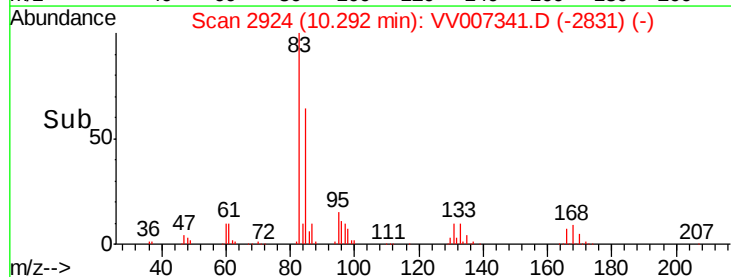
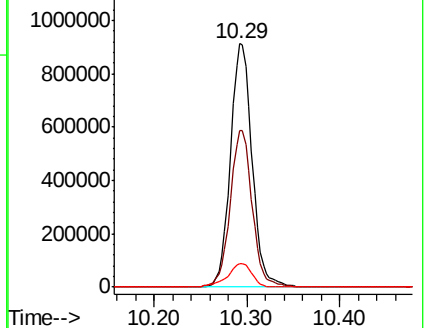
131 9.8 7.8 11.6

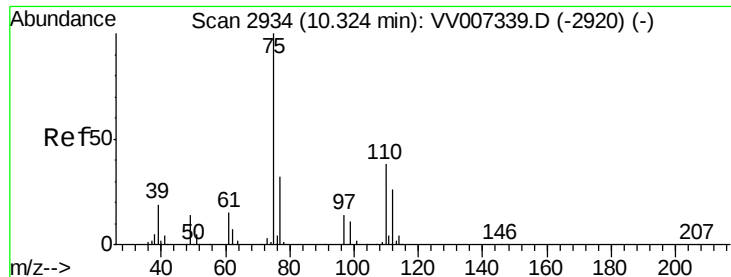


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 196.368 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

Instrument :

MSVOA_V

ClientSampleId :

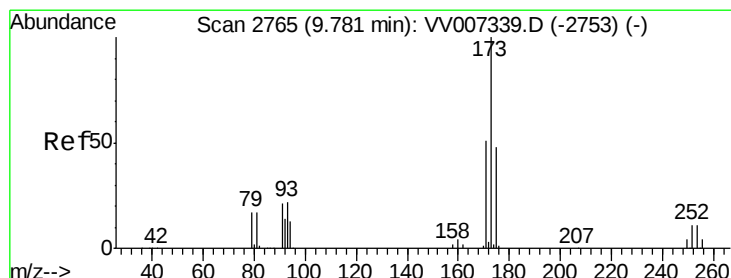
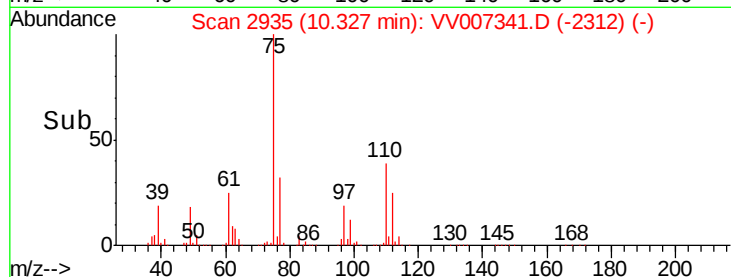
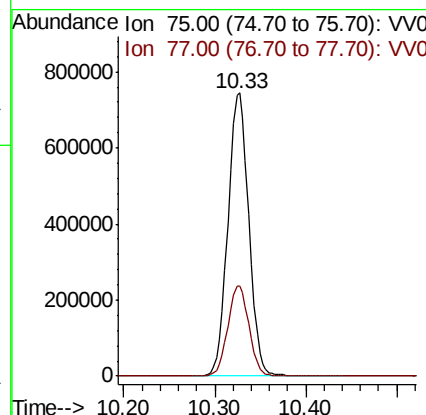
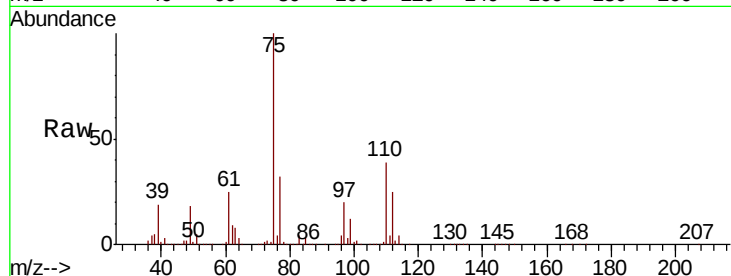
VSTD20064

Tgt Ion: 75 Resp: 1186532

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3



#61

Bromoform

Concen: 184.080 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

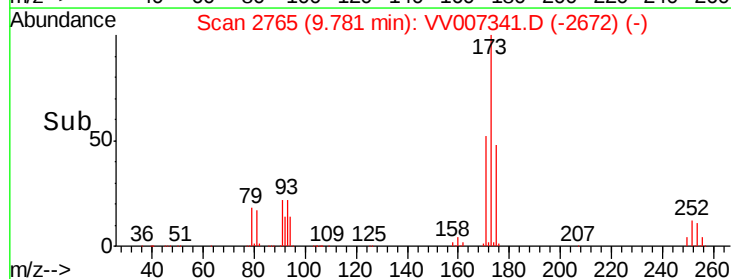
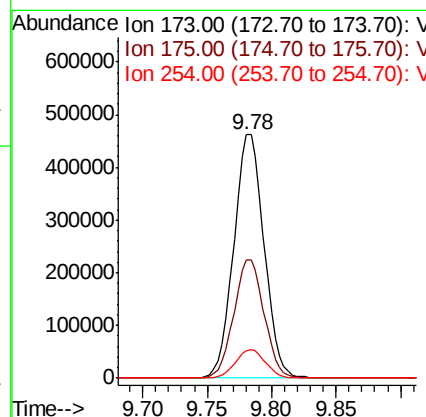
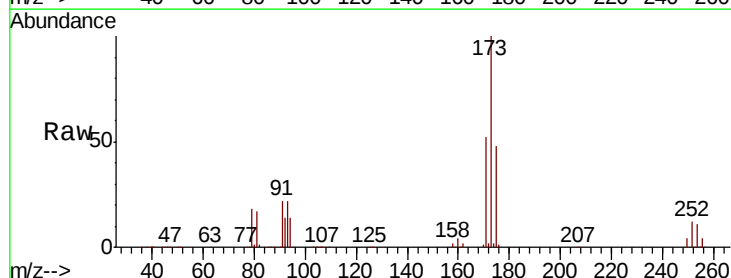
Tgt Ion: 173 Resp: 753440

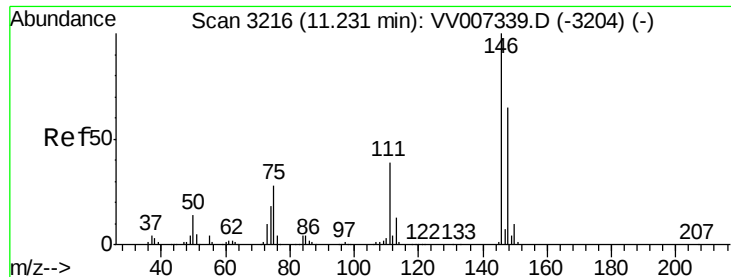
Ion Ratio Lower Upper

173 100

175 48.6 39.0 58.6

254 11.7 9.3 13.9





#62

1,3-Dichlorobenzene

Concen: 197.336 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

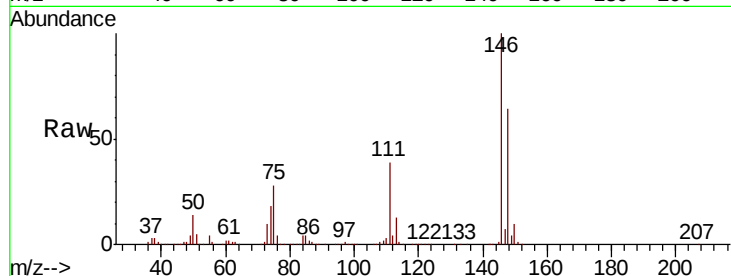
Tgt Ion:146 Resp: 1891260

Ion Ratio Lower Upper

146 100

111 39.4 27.5 51.1

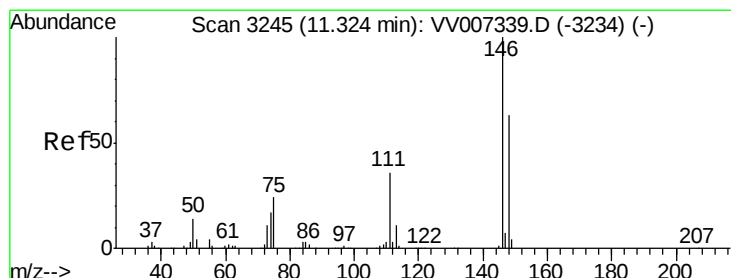
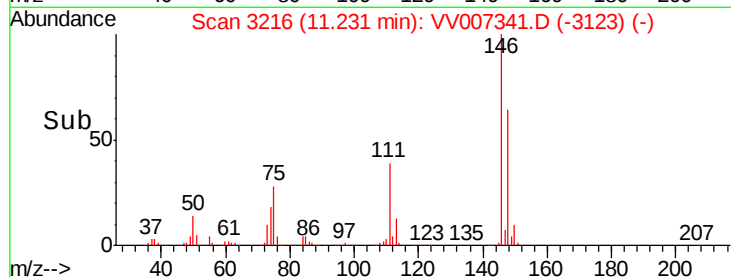
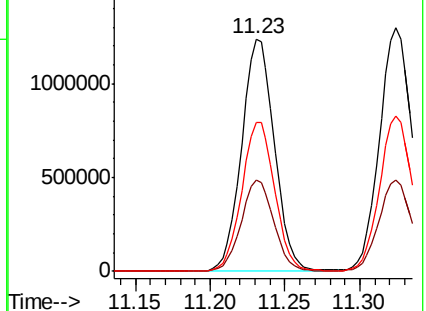
148 64.1 45.7 84.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 193.461 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

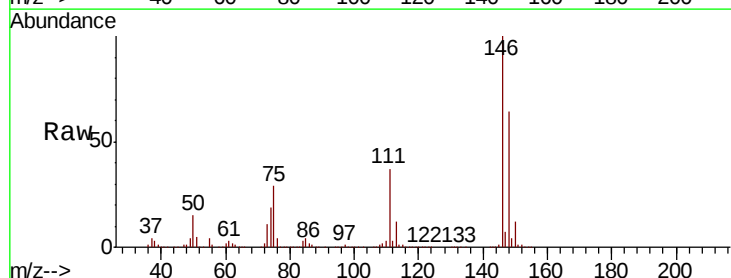
Tgt Ion:146 Resp: 1988409

Ion Ratio Lower Upper

146 100

111 37.5 25.6 47.6

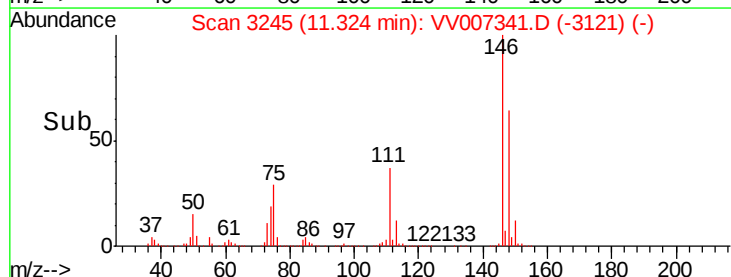
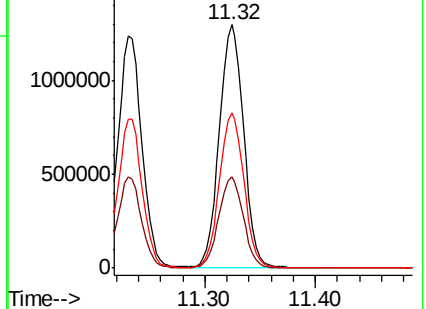
148 64.0 44.2 82.0

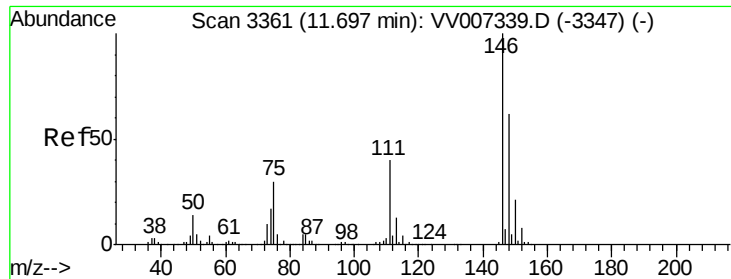


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

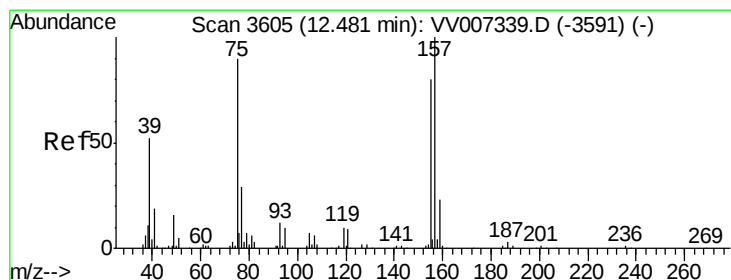
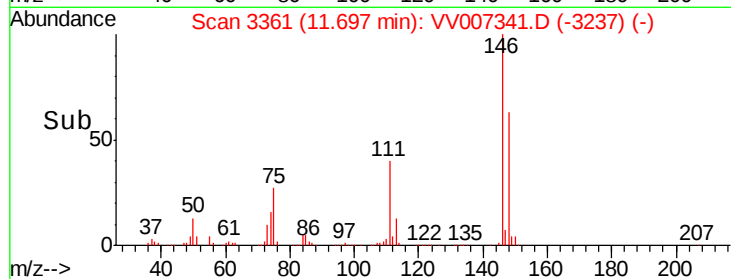
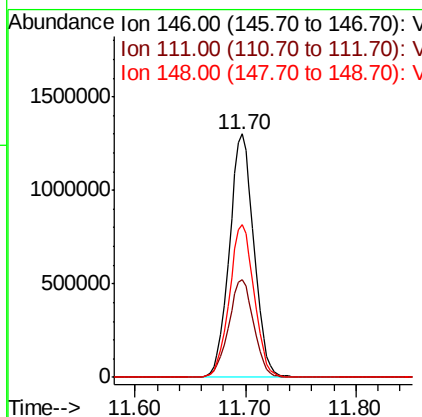
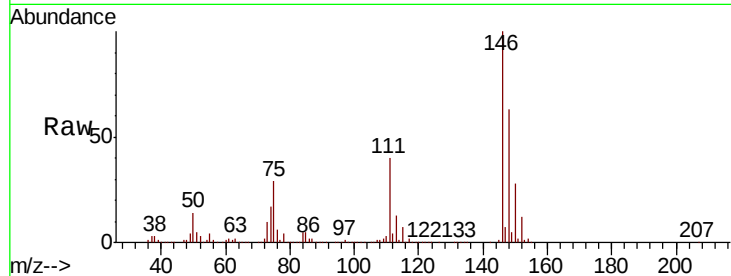




#65
 1,2-Dichlorobenzene
 Concen: 191.511 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV007341.D
 Acq: 04 Sep 2018 20:48

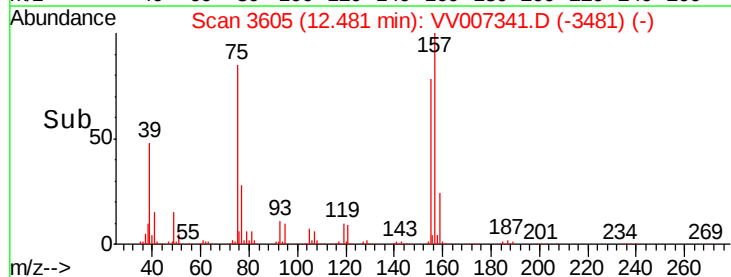
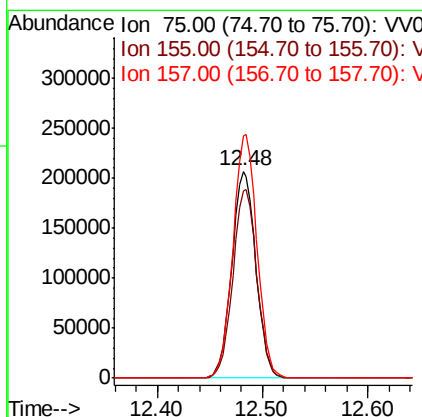
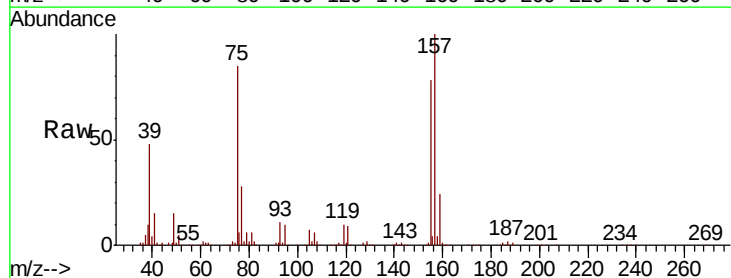
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

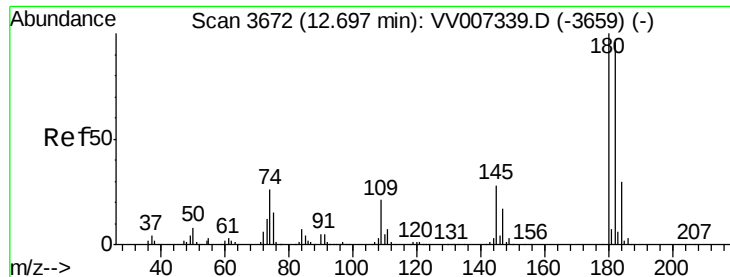
Tgt Ion:146 Resp: 2001930
 Ion Ratio Lower Upper
 146 100
 111 40.3 31.7 47.5
 148 63.0 50.0 75.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 187.602 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VV007341.D
 Acq: 04 Sep 2018 20:48

Tgt Ion: 75 Resp: 325139
 Ion Ratio Lower Upper
 75 100
 155 90.9 70.6 105.8
 157 117.1 88.6 132.8

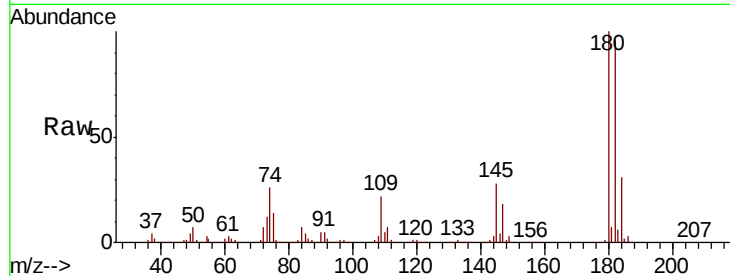




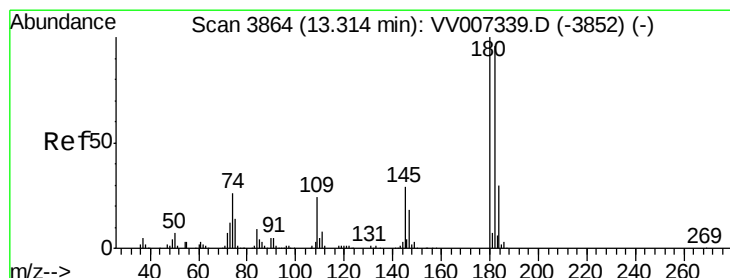
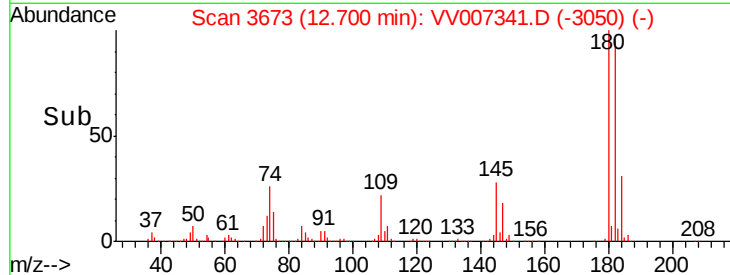
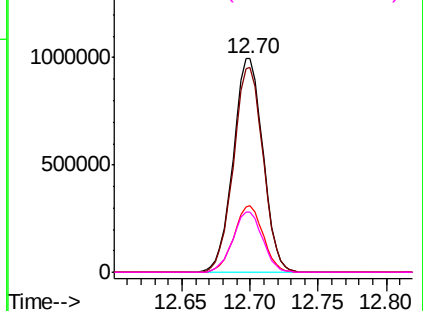
#67
 1,3,5-Trichlorobenzene
 Concen: 205.620 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007341.D
 Acq: 04 Sep 2018 20:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

Tgt Ion:180 Resp: 1505134
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.8 115.2
 184 30.8 24.2 36.2
 145 28.2 22.6 34.0

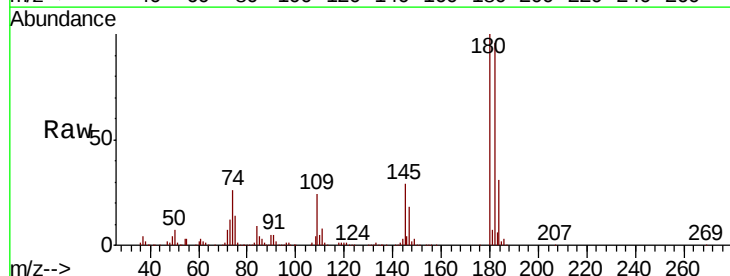


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

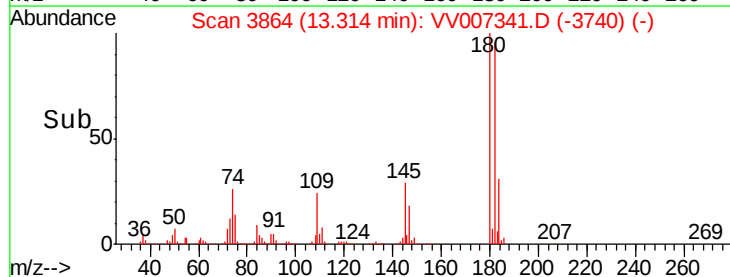
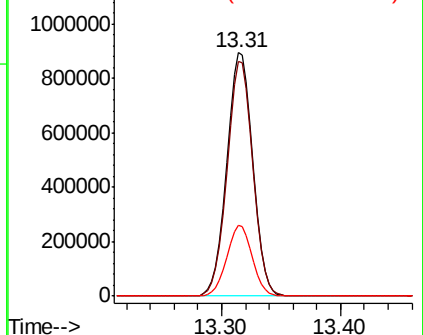


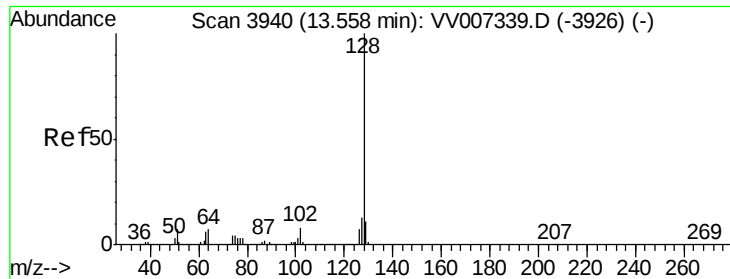
#68
 1,2,4-trichlorobenzene
 Concen: 232.211 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. 0.00 min
 Lab File: VV007341.D
 Acq: 04 Sep 2018 20:48

Tgt Ion:180 Resp: 1343874
 Ion Ratio Lower Upper
 180 100
 182 95.8 77.0 115.4
 145 28.6 22.9 34.3



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





#69

Naphthalene

Concen: 262.523 ug/L

RT: 13.56 min Scan# 3939

Delta R.T. -0.00 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

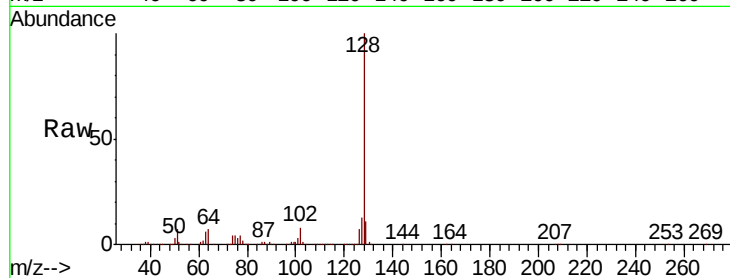
Tgt Ion:128 Resp: 4311690

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

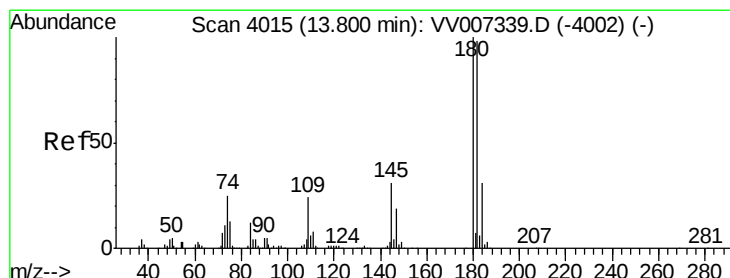
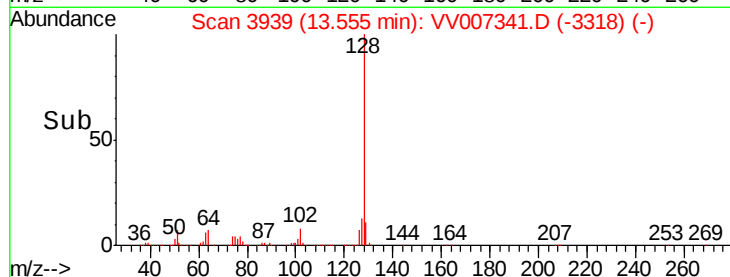
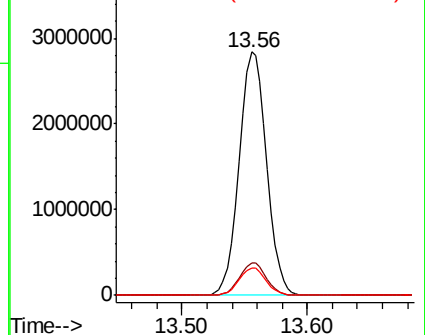
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 224.601 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007341.D

Acq: 04 Sep 2018 20:48

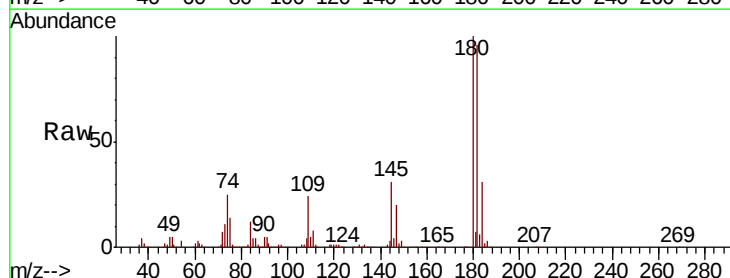
Tgt Ion:180 Resp: 1413240

Ion Ratio Lower Upper

180 100

182 95.5 77.2 115.8

145 30.7 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

