

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090418\
 Data File : VV007338.D
 Acq On : 04 Sep 2018 19:34
 Operator : SY/MD
 Sample : VSTD01061
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01061

Quant Time: Sep 05 00:59:15 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	525327	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	500010	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	205538	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36979	9.71	ug/L	0.00
7) Chloroethane-d5	1.57	69	22434	9.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	65119	9.80	ug/L	0.00
21) 2-Butanone-d5	3.97	46	56500	18.81	ug/L	0.00
24) Chloroform-d	4.41	84	75684	9.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	45559	9.78	ug/L	0.00
32) Benzene-d6	5.10	84	141629	9.04	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	49969	9.69	ug/L	0.00
41) Toluene-d8	7.37	98	115289	8.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	18968	8.31	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	30098	14.94	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	65576	9.52	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	42578	9.18	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	34195	9.637 ug/L	96
3) Chloromethane	1.26	50	44743	10.500 ug/L	99
5) Vinyl chloride	1.32	62	44934	10.826 ug/L	100
6) Bromomethane	1.53	94	21781	10.408 ug/L	93
8) Chloroethane	1.59	64	23788	11.776 ug/L	98
9) Trichlorofluoromethane	1.76	101	57613	10.709 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	36105	10.792 ug/L	98
12) 1,1-Dichloroethene	2.14	96	32384	10.337 ug/L	89
13) Acetone	2.21	43	36987	18.356 ug/L	99
14) Carbon disulfide	2.32	76	92664	10.016 ug/L	99
15) Methyl Acetate	2.47	43	39481	10.878 ug/L	96
16) Methylene chloride	2.54	84	39973	10.597 ug/L	94
17) trans-1,2-Dichloroethene	2.79	96	36119	10.549 ug/L	93
18) Methyl tert-butyl Ether	2.82	73	110274	10.305 ug/L	98
19) 1,1-Dichloroethane	3.23	63	74443	10.659 ug/L	98
20) cis-1,2-Dichloroethene	3.97	96	39344	9.847 ug/L	99
22) 2-Butanone	4.05	43	57452	18.814 ug/L	97
23) Bromochloromethane	4.31	128	21924	10.632 ug/L	97
25) Chloroform	4.44	83	72201	10.339 ug/L	99
27) 1,2-Dichloroethane	5.19	62	54690	10.683 ug/L	98
29) Cyclohexane	4.73	56	46857	8.399 ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	60404	10.242 ug/L	100
31) Carbon tetrachloride	4.88	117	52639	10.388 ug/L	97
33) Benzene	5.15	78	149940	9.566 ug/L	100
34) Trichloroethene	5.96	95	38198	9.979 ug/L	98
35) Methylcyclohexane	6.18	83	49887	8.440 ug/L	97
37) 1,2-Dichloropropane	6.23	63	43596	10.496 ug/L	100
38) Bromodichloromethane	6.56	83	52411	10.184 ug/L	96
39) cis-1,3-Dichloropropene	7.08	75	50883	8.534 ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	85572	17.165 ug/L	99

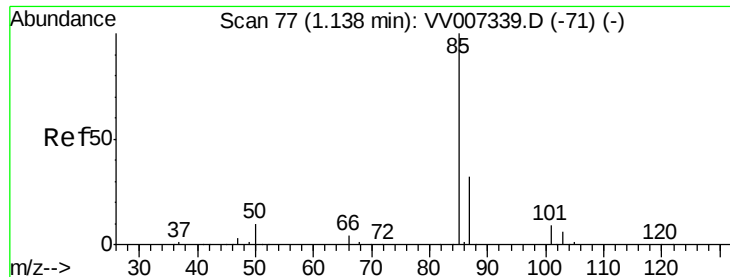
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090418\
 Data File : VV007338.D
 Acq On : 04 Sep 2018 19:34
 Operator : SY/MD
 Sample : VSTD01061
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

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 VSTD01061

Quant Time: Sep 05 00:59:15 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)
42) Toluene	7.44	91	138794	9.034	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	49078	8.952	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	40290	10.184	ug/L	98
46) Tetrachloroethene	8.02	164	30550	9.904	ug/L	96
48) 2-Hexanone	8.20	43	69555	17.613	ug/L	92
49) Dibromochloromethane	8.30	129	40319	9.785	ug/L	98
50) 1,2-Dibromoethane	8.40	107	38896	9.961	ug/L	97
51) Chlorobenzene	8.93	112	99752	9.772	ug/L	99
52) Ethylbenzene	9.06	91	133703	8.465	ug/L	98
53) m,p-Xylene	9.19	106	49862	8.381	ug/L	98
54) o-xylene	9.59	106	47465	8.194	ug/L	100
55) Styrene	9.61	104	79349	7.876	ug/L	100
56) Isopropylbenzene	9.98	105	120852	8.158	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	63193	10.003	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	50710	9.993	ug/L	97
61) Bromoform	9.78	173	28512	10.665	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	60355	9.642	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	65984	9.829	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	69843	10.229	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	12138	10.723	ug/L	88
67) 1,3,5-Trichlorobenzene	12.70	180	44594	9.327	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	31932	8.448	ug/L	97
69) Naphthalene	13.56	128	72876	6.793	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	34538	8.404	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 9.637 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

Instrument :

MSVOA_V

ClientSampled :

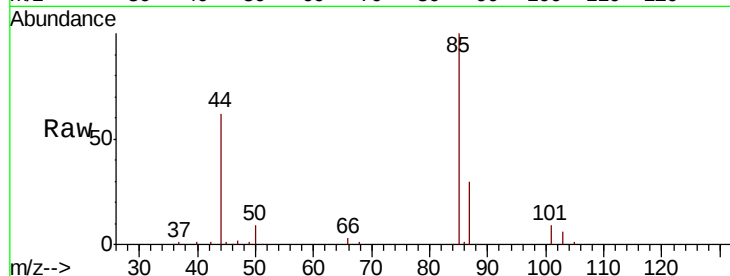
VSTD01061

Tgt Ion: 85 Resp: 34195

Ion Ratio Lower Upper

85 100

87 30.5 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV007339.D (-71) (-)

Ion 87.00 (86.70 to 87.70): VV007339.D (-71) (-)

1.14

40000

30000

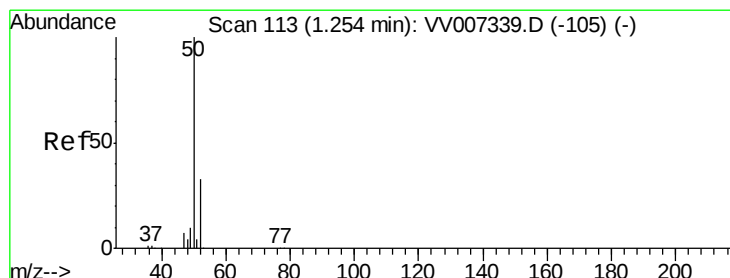
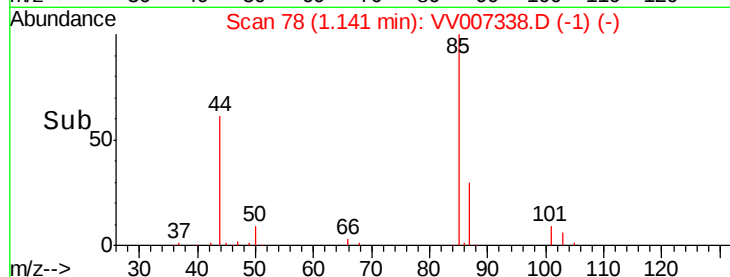
20000

10000

0

Time-->

1.10 1.12 1.14 1.16



#3

Chloromethane

Concen: 10.500 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV007338.D

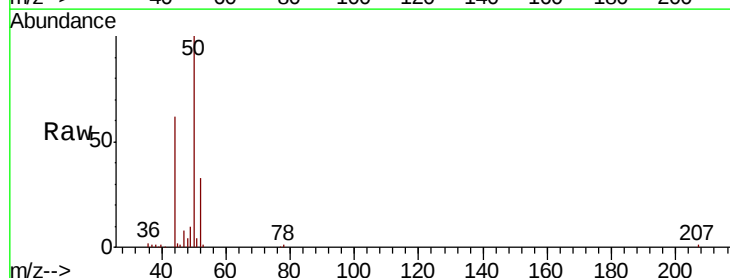
Acq: 04 Sep 2018 19:34

Tgt Ion: 50 Resp: 44743

Ion Ratio Lower Upper

50 100

52 32.8 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV007339.D (-105) (-)

Ion 52.00 (51.70 to 52.70): VV007339.D (-105) (-)

1.26

30000

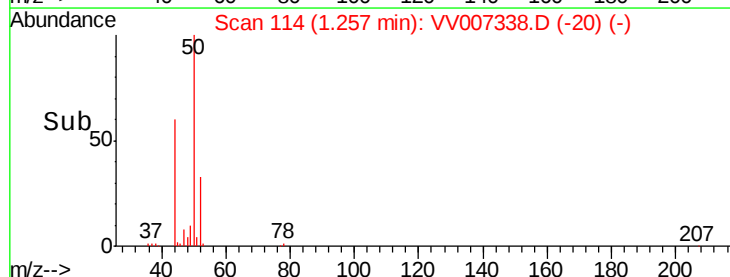
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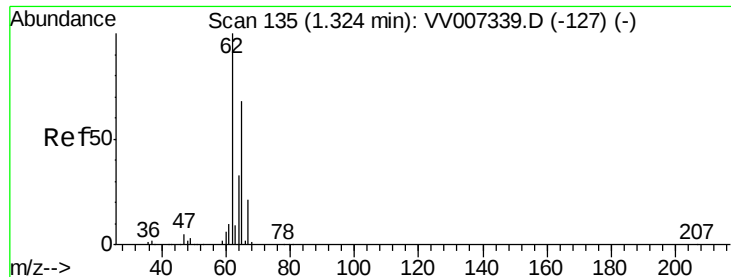
10000

0

Time-->

1.20 1.25 1.30





#5

Vinyl chloride

Concen: 10.826 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

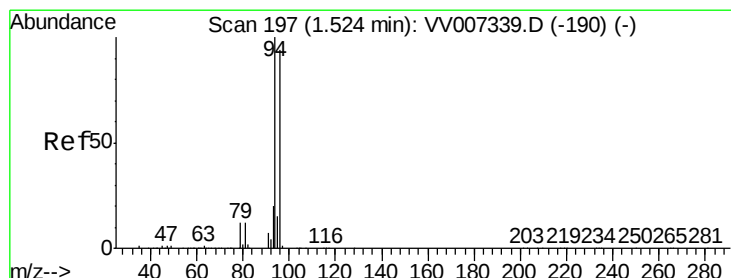
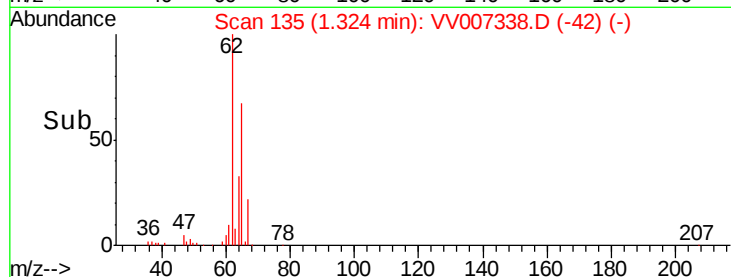
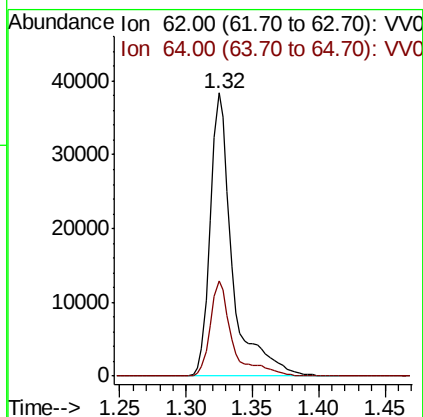
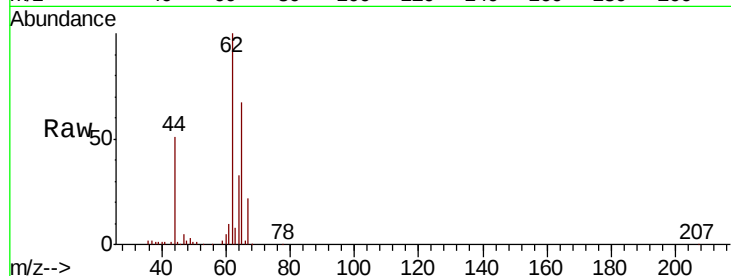
VSTD01061

Tgt Ion: 62 Resp: 44934

Ion Ratio Lower Upper

62 100

64 33.5 23.2 43.2



#6

Bromomethane

Concen: 10.408 ug/L

RT: 1.53 min Scan# 199

Delta R.T. 0.01 min

Lab File: VV007338.D

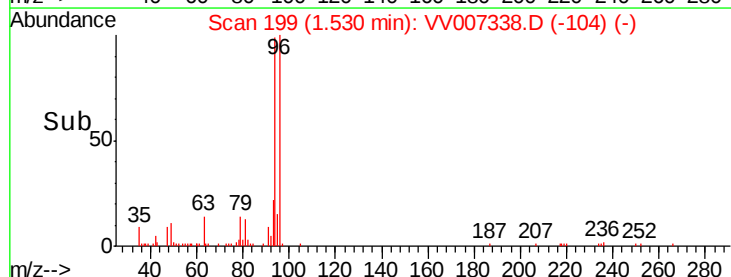
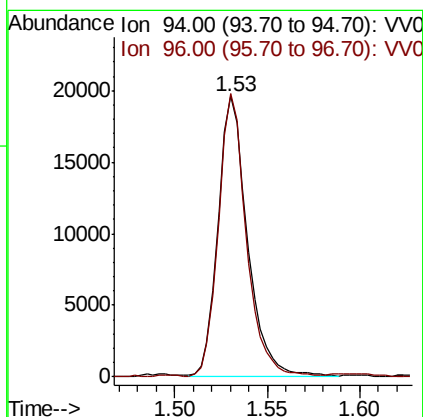
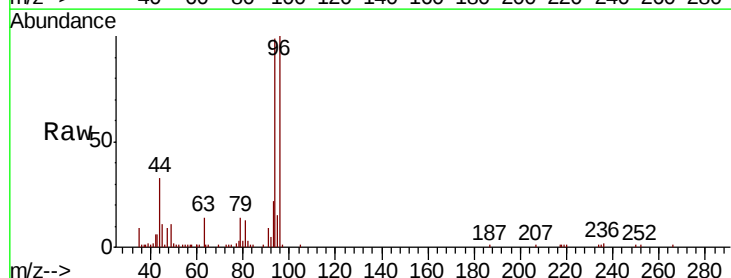
Acq: 04 Sep 2018 19:34

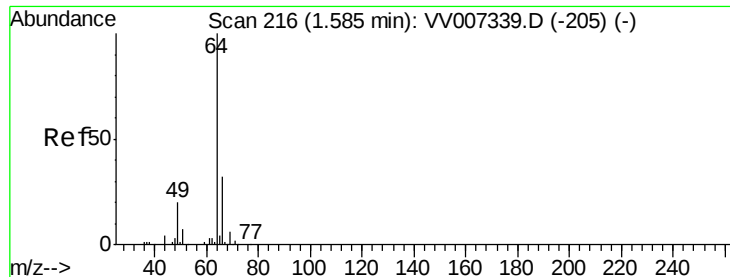
Tgt Ion: 94 Resp: 21781

Ion Ratio Lower Upper

94 100

96 100.8 65.9 122.5





#8

Chloroethane

Concen: 11.776 ug/L

RT: 1.59 min Scan# 217

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

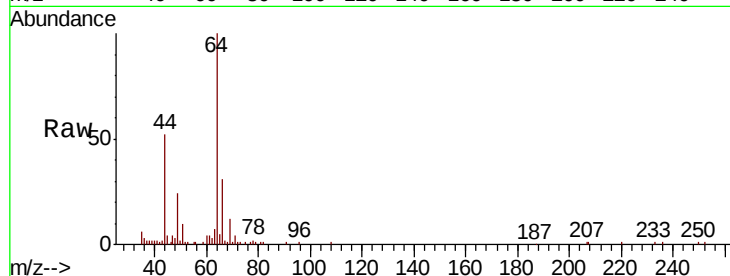
VSTD01061

Tgt Ion: 64 Resp: 23788

Ion Ratio Lower Upper

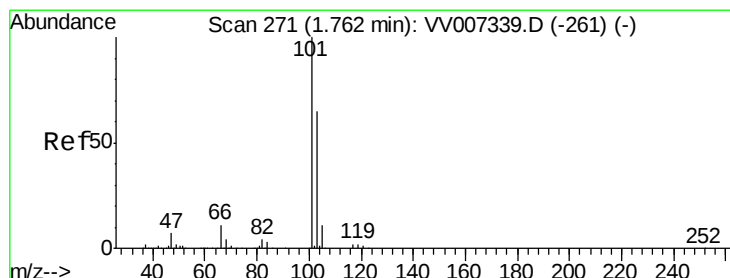
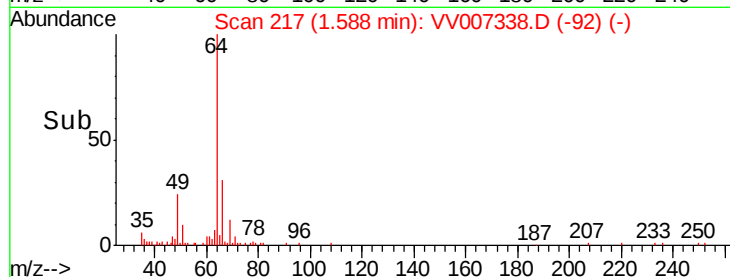
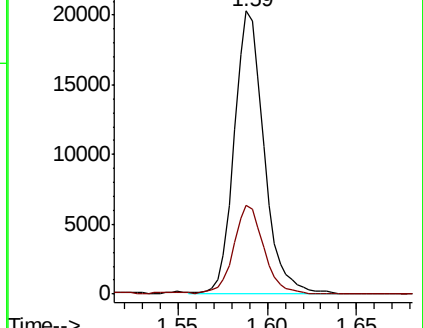
64 100

66 31.4 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV007338.D (-205) (-)

Ion 66.00 (65.70 to 66.70): VV007338.D (-205) (-)



#9

Trichlorofluoromethane

Concen: 10.709 ug/L

RT: 1.76 min Scan# 272

Delta R.T. 0.00 min

Lab File: VV007338.D

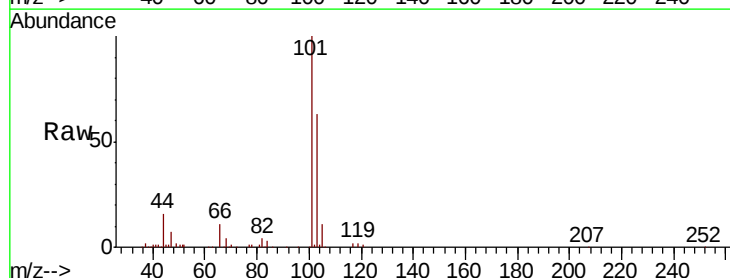
Acq: 04 Sep 2018 19:34

Tgt Ion: 101 Resp: 57613

Ion Ratio Lower Upper

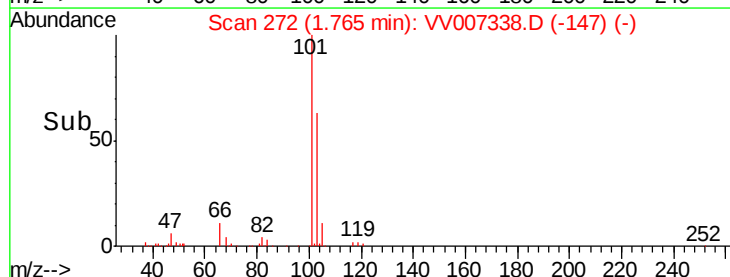
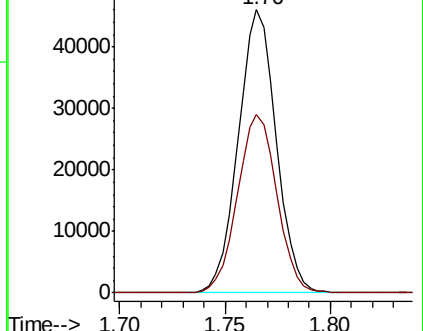
101 100

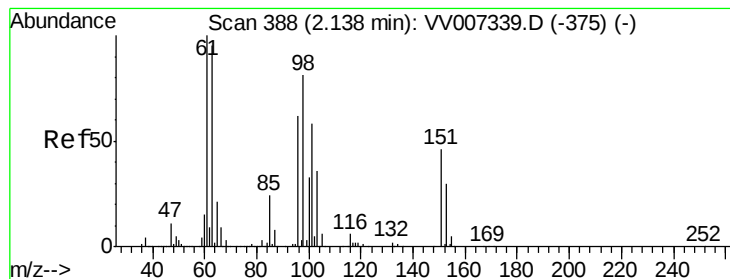
103 65.3 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV007338.D (-147) (-)

Ion 103.00 (102.70 to 103.70): VV007338.D (-147) (-)





#10

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

Concen: 10.792 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD01061

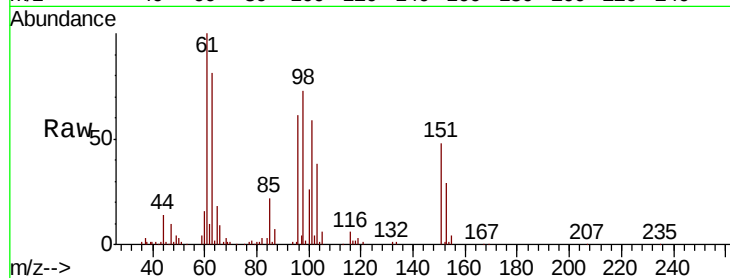
Tgt Ion:101 Resp: 36105

Ion Ratio Lower Upper

101 100

85 39.0 32.7 49.1

151 78.7 64.5 96.7



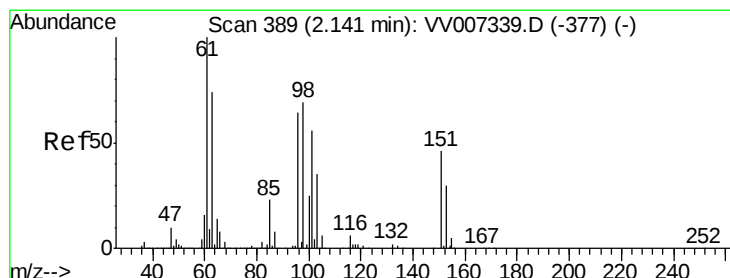
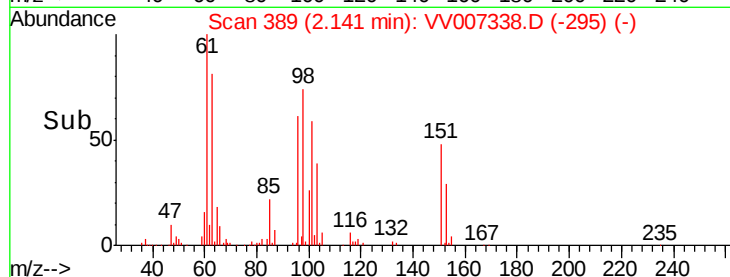
Abundance Ion 101.00 (100.70 to 101.70): VV007338.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VV007338.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VV007338.D (-375) (-)

2.14

Time-->



#12

1,1-Dichloroethene

Concen: 10.337 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

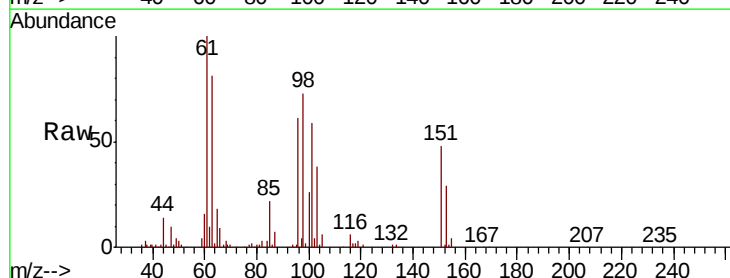
Tgt Ion: 96 Resp: 32384

Ion Ratio Lower Upper

96 100

61 164.5 108.6 201.8

63 133.0 81.5 151.3



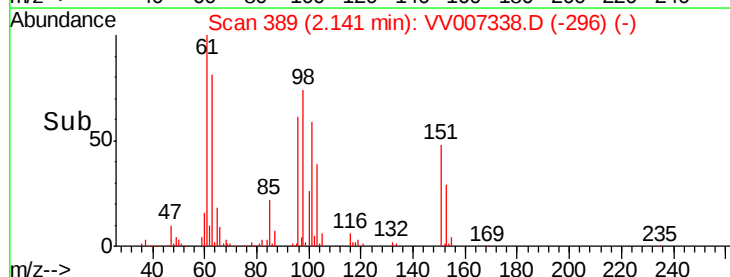
Abundance Ion 96.00 (95.70 to 96.70): VV007338.D (-296) (-)

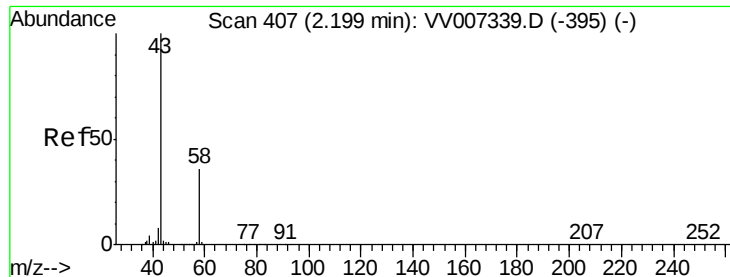
Ion 61.00 (60.70 to 61.70): VV007338.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VV007338.D (-296) (-)

2.14

Time-->





#13

Acetone

Concen: 18.356 ug/L

RT: 2.21 min Scan# 409

Delta R.T. 0.01 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

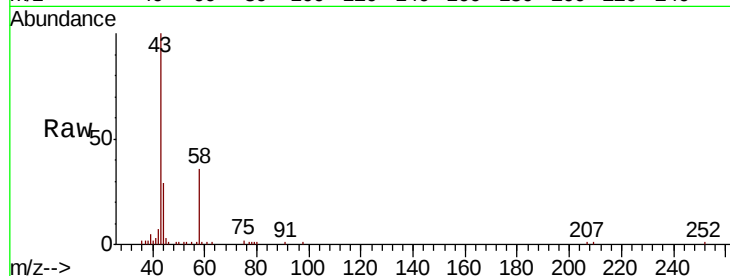
VSTD01061

Tgt Ion: 43 Resp: 36987

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

20000

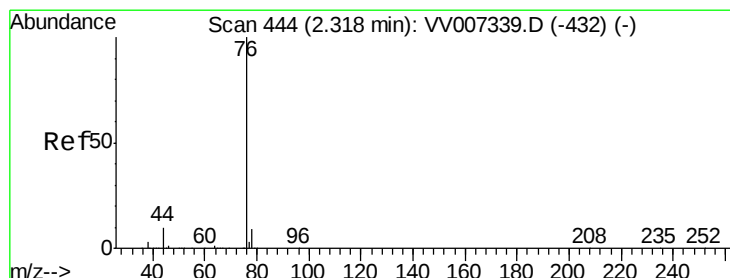
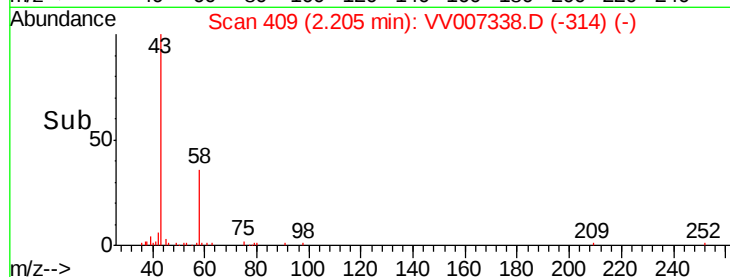
15000

10000

5000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 10.016 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV007338.D

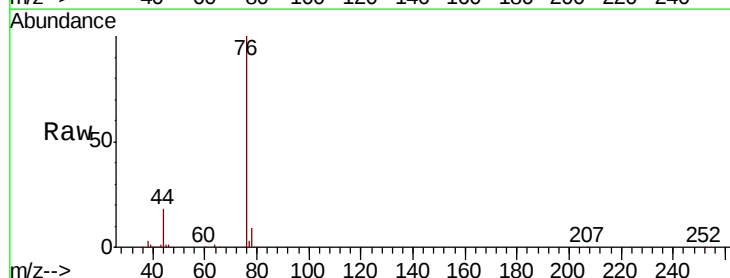
Acq: 04 Sep 2018 19:34

Tgt Ion: 76 Resp: 92664

Ion Ratio Lower Upper

76 100

78 9.3 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

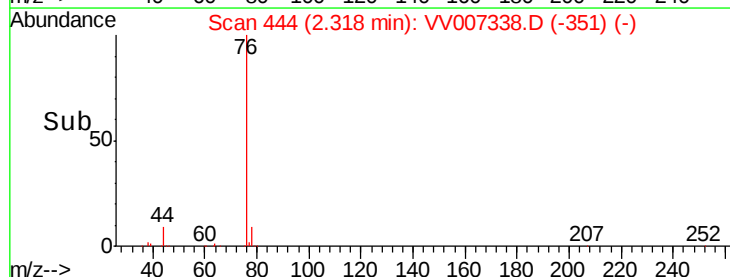
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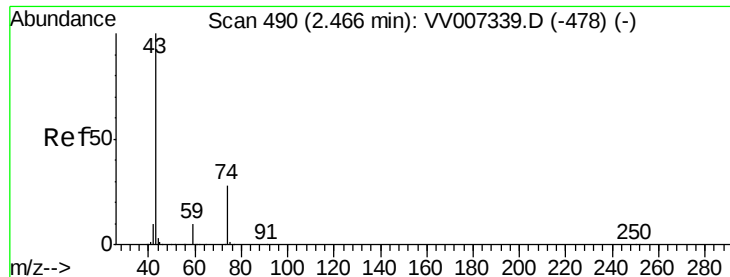
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20000

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Time--> 2.25 2.30 2.35 2.40

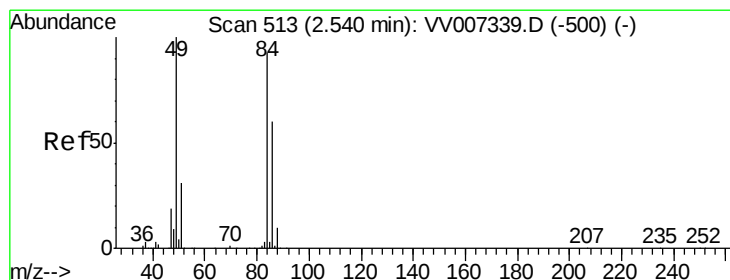
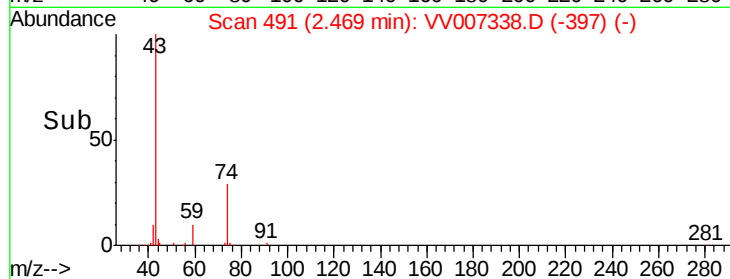
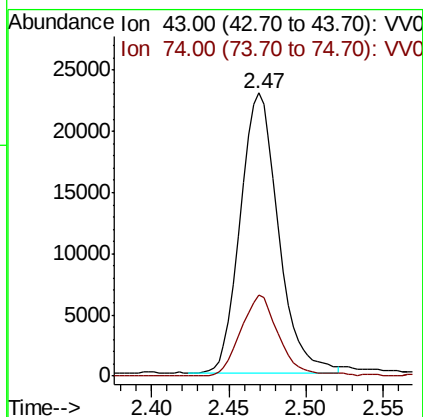
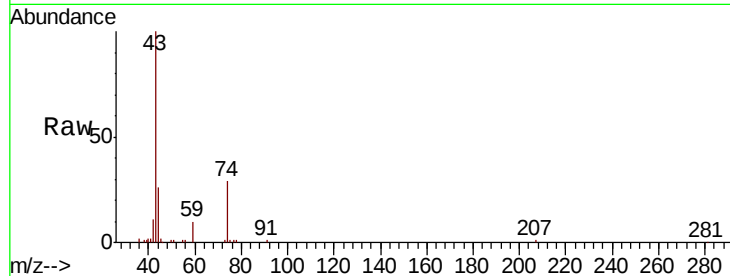




#15
Methyl Acetate
Concen: 10.878 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV007338.D
Acq: 04 Sep 2018 19:34

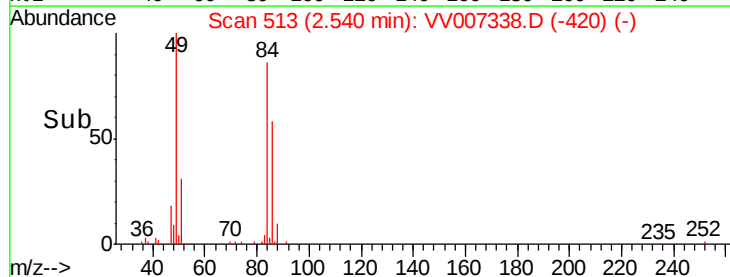
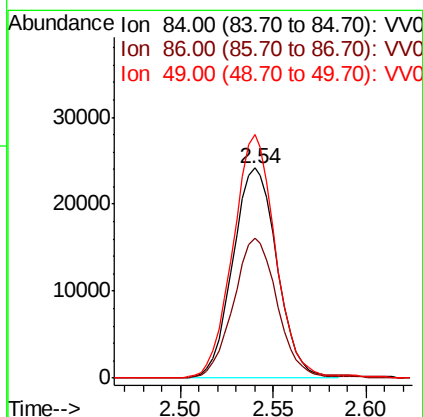
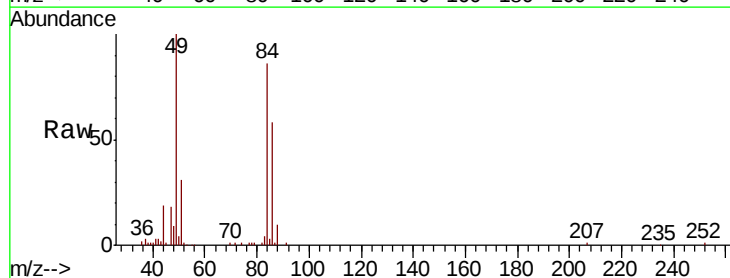
Instrument :
MSVOA_V
ClientSampled :
VSTD01061

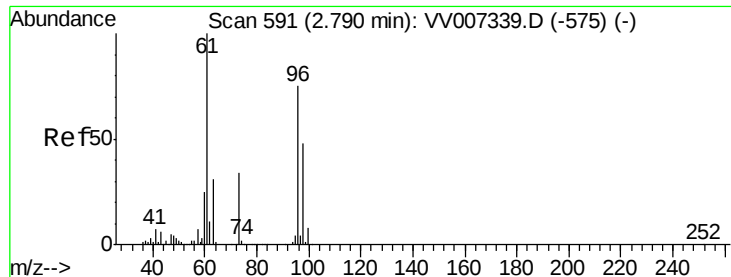
Tgt Ion: 43 Resp: 39481
Ion Ratio Lower Upper
43 100
74 29.0 21.5 32.3



#16
Methylene chloride
Concen: 10.597 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV007338.D
Acq: 04 Sep 2018 19:34

Tgt Ion: 84 Resp: 39973
Ion Ratio Lower Upper
84 100
86 66.9 45.3 84.1
49 115.9 75.6 140.4





#17

trans-1,2-Dichloroethene

Concen: 10.549 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD01061

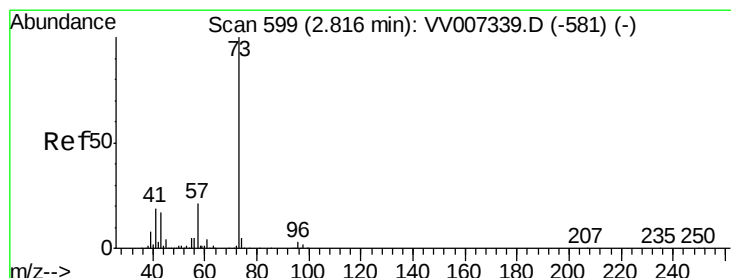
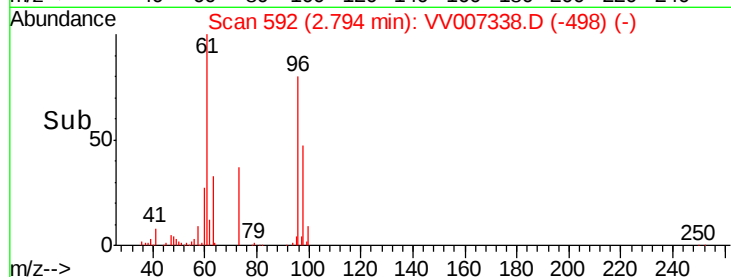
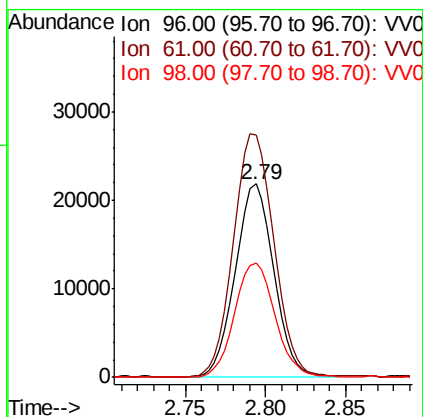
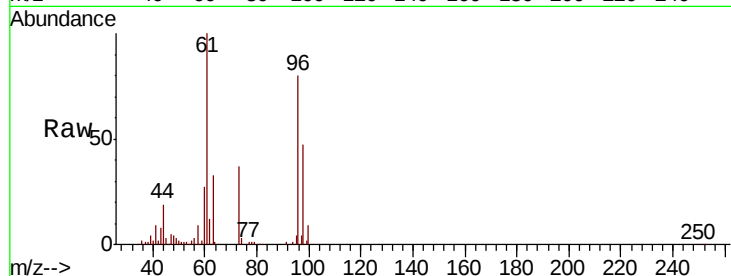
Tgt Ion: 96 Resp: 36119

Ion Ratio Lower Upper

96 100

61 125.2 93.1 172.9

98 58.9 44.9 83.5



#18

Methyl tert-butyl Ether

Concen: 10.305 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

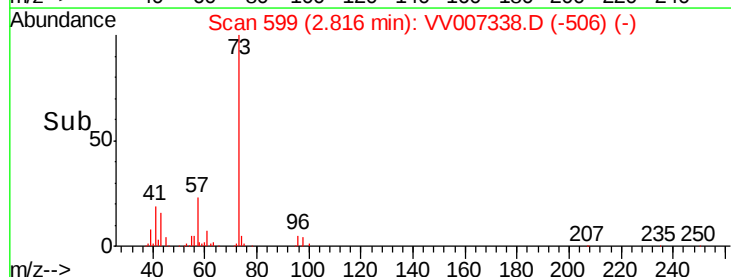
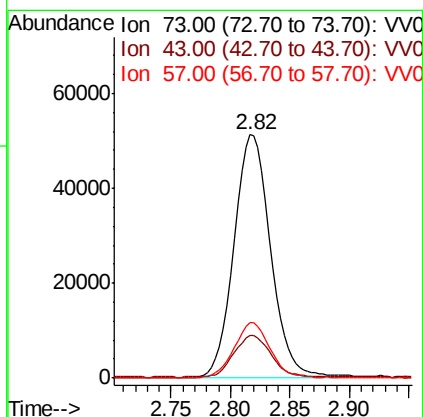
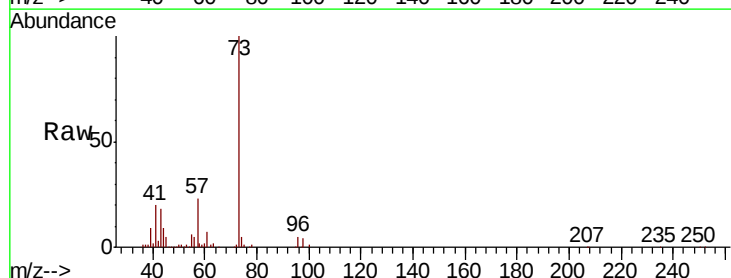
Tgt Ion: 73 Resp: 110274

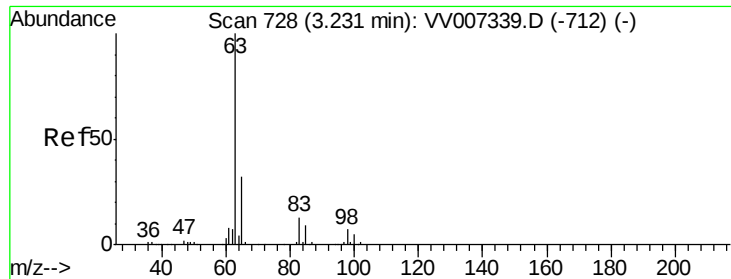
Ion Ratio Lower Upper

73 100

43 17.2 13.4 20.2

57 22.3 17.0 25.4

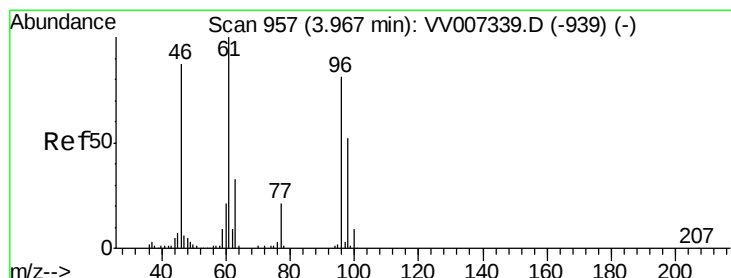
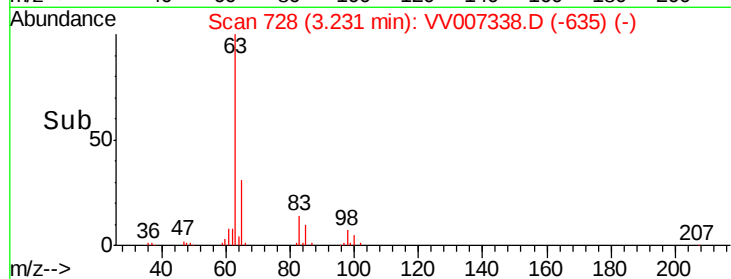
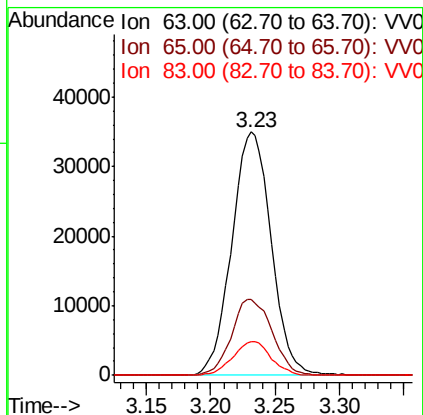
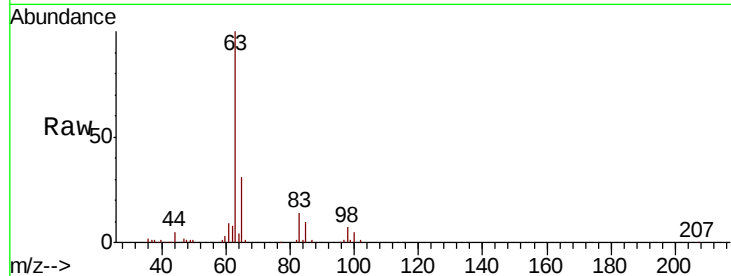




#19
 1,1-Dichloroethane
 Concen: 10.659 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV007338.D
 Acq: 04 Sep 2018 19:34

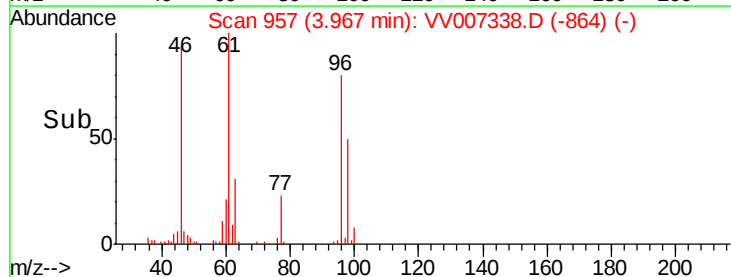
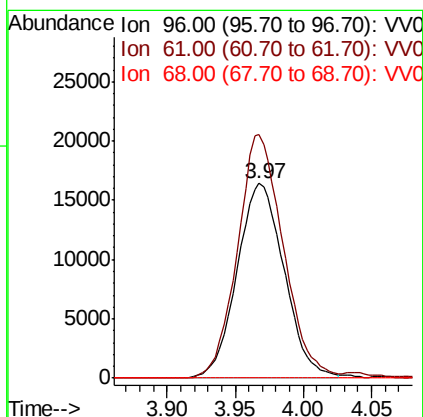
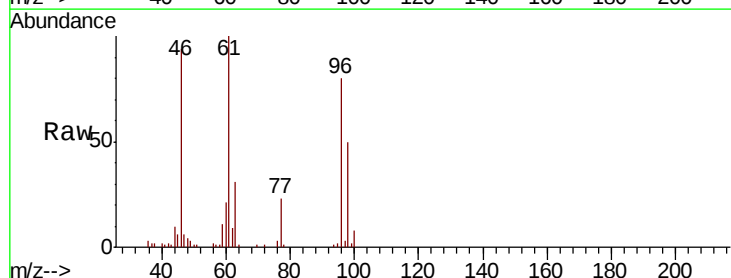
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01061

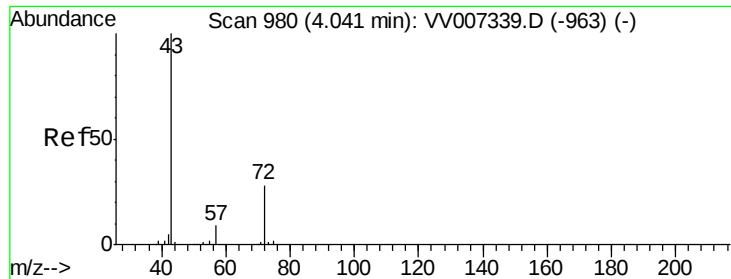
Tgt Ion: 63 Resp: 74443
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.5 41.9
 83 14.1 9.0 16.8



#20
 cis-1,2-Dichloroethene
 Concen: 9.847 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV007338.D
 Acq: 04 Sep 2018 19:34

Tgt Ion: 96 Resp: 39344
 Ion Ratio Lower Upper
 96 100
 61 125.0 86.8 161.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 18.814 ug/L

RT: 4.05 min Scan# 983

Delta R.T. 0.01 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

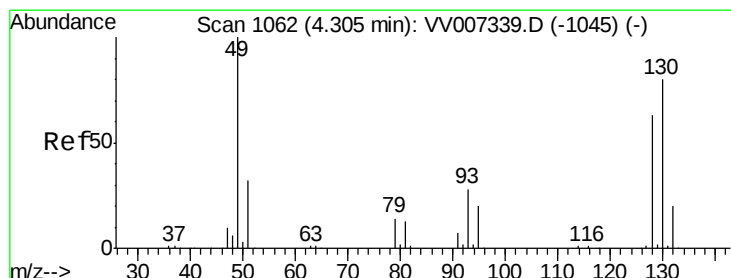
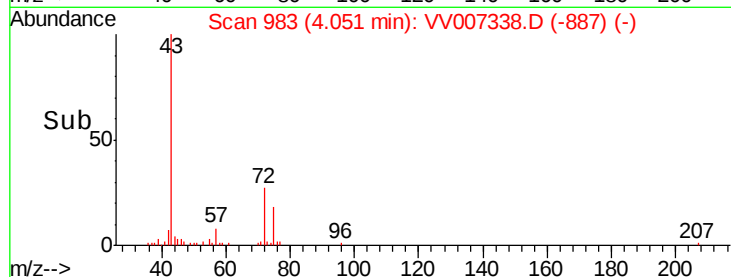
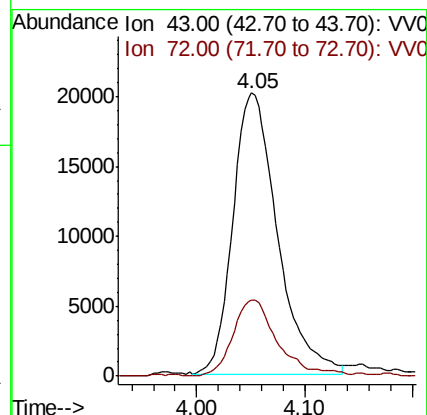
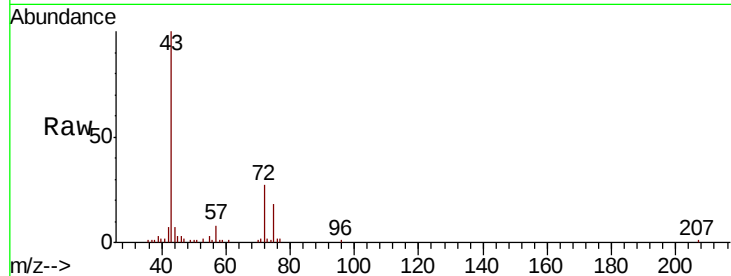
VSTD01061

Tgt Ion: 43 Resp: 57452

Ion Ratio Lower Upper

43 100

72 25.9 13.8 41.3



#23

Bromochloromethane

Concen: 10.632 ug/L

RT: 4.31 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

Tgt Ion: 128 Resp: 21924

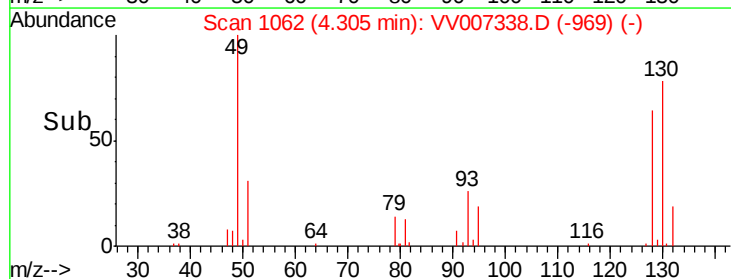
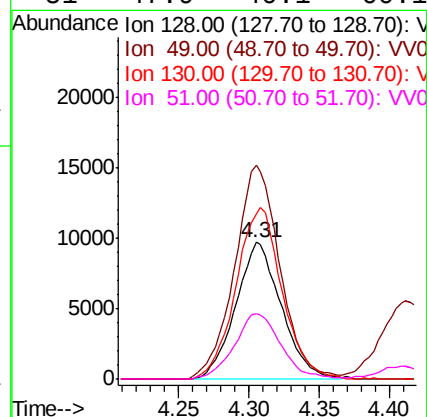
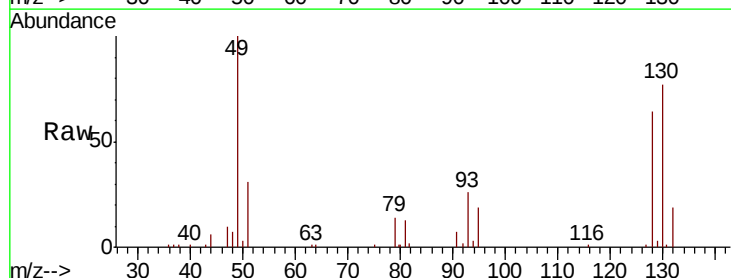
Ion Ratio Lower Upper

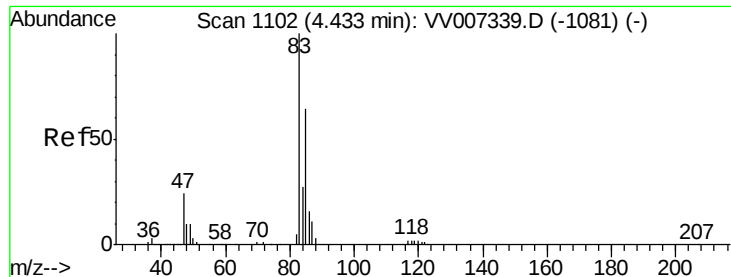
128 100

49 156.4 111.2 206.4

130 120.9 89.1 165.5

51 47.9 40.1 60.1





#25

Chloroform

Concen: 10.339 ug/L

RT: 4.44 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

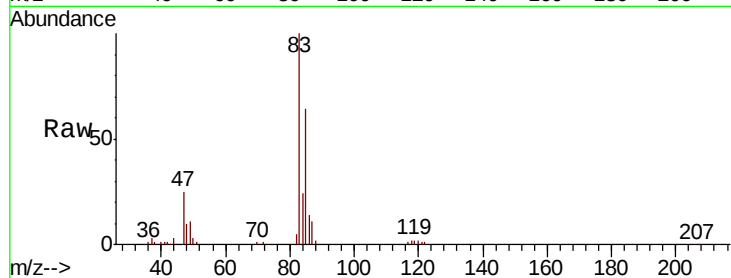
VSTD01061

Tgt Ion: 83 Resp: 72201

Ion Ratio Lower Upper

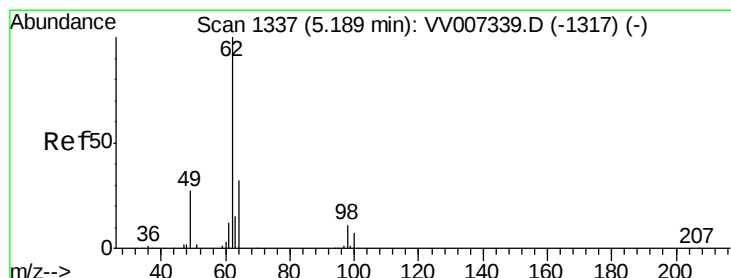
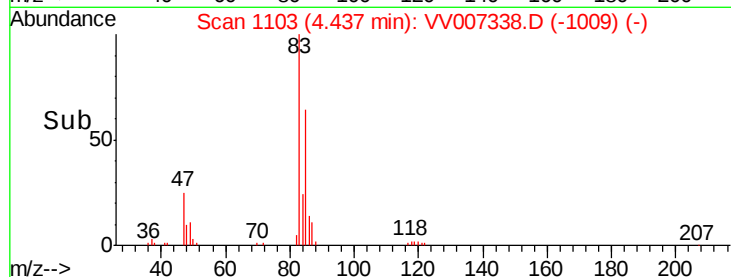
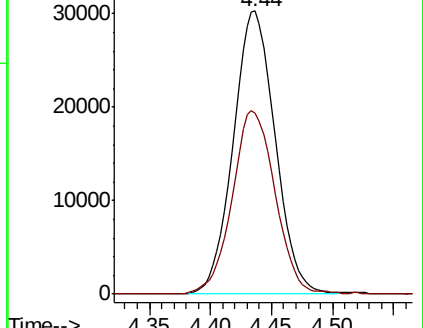
83 100

85 63.9 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV007339.D (-1081) (-)

Ion 85.00 (84.70 to 85.70): VV007339.D (-1081) (-)



#27

1,2-Dichloroethane

Concen: 10.683 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VV007338.D

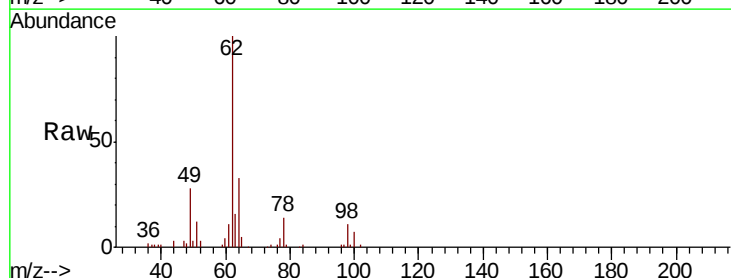
Acq: 04 Sep 2018 19:34

Tgt Ion: 62 Resp: 54690

Ion Ratio Lower Upper

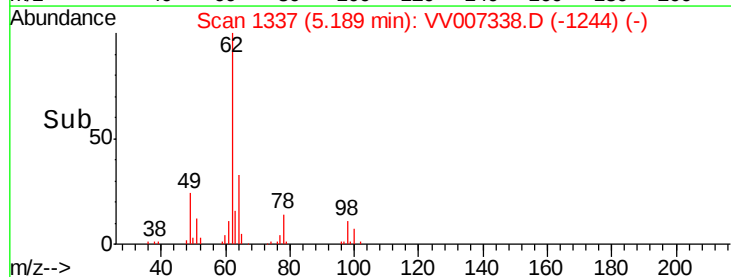
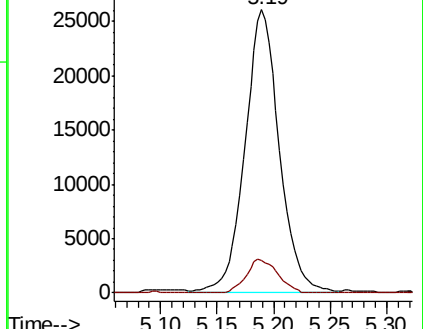
62 100

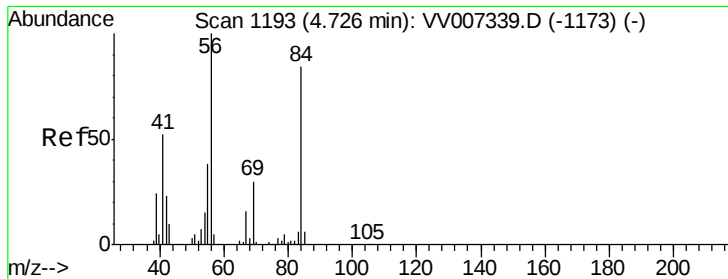
98 11.4 8.6 13.0



Abundance Ion 62.00 (61.70 to 62.70): VV007339.D (-1317) (-)

Ion 98.00 (97.70 to 98.70): VV007339.D (-1317) (-)

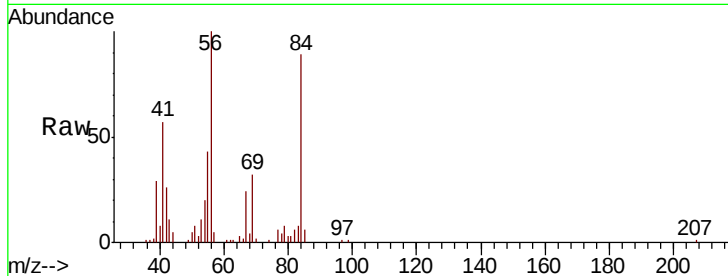




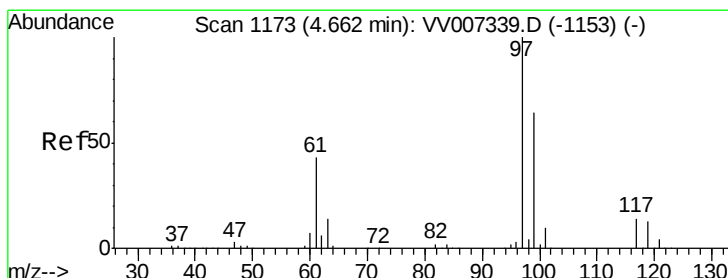
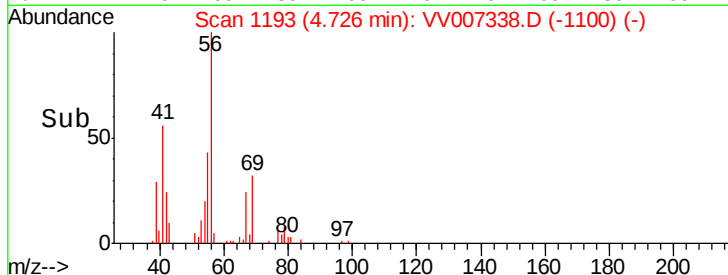
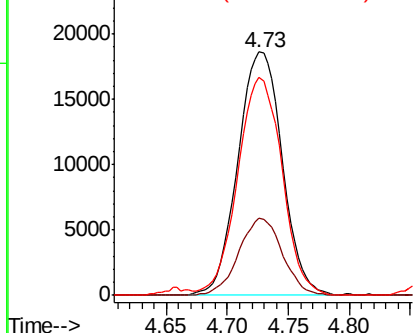
#29
Cyclohexane
Concen: 8.399 ug/L
RT: 4.73 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VV007338.D
Acq: 04 Sep 2018 19:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD01061

Tgt Ion: 56 Resp: 46857
Ion Ratio Lower Upper
56 100
69 31.1 24.5 36.7
84 89.5 70.6 105.8

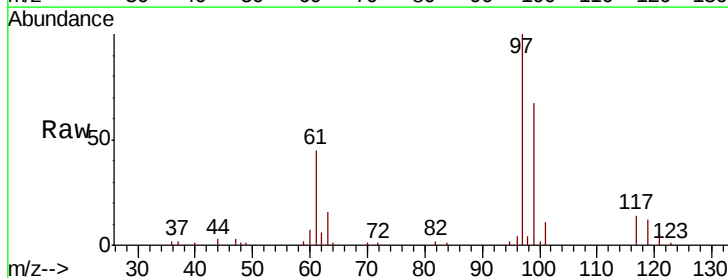


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

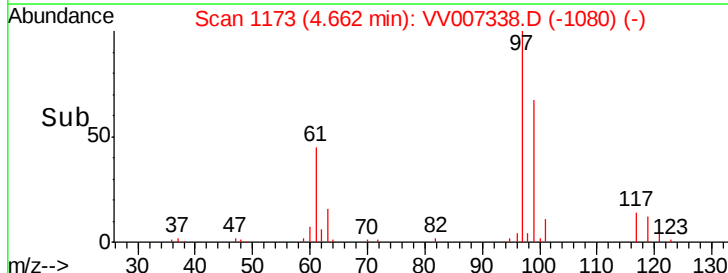
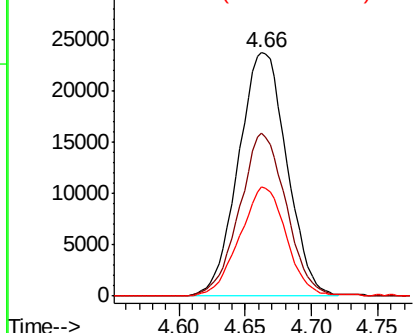


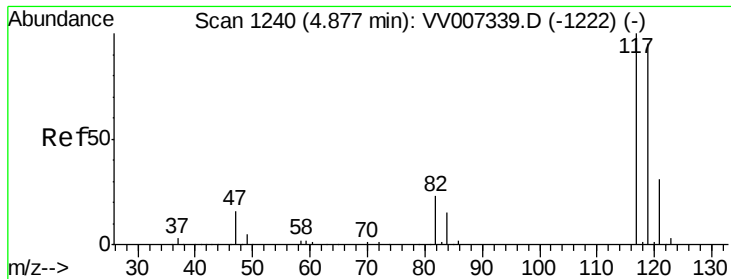
#30
1,1,1-Trichloroethane
Concen: 10.242 ug/L
RT: 4.66 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VV007338.D
Acq: 04 Sep 2018 19:34

Tgt Ion: 97 Resp: 60404
Ion Ratio Lower Upper
97 100
99 64.6 52.1 78.1
61 43.1 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: 10.388 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

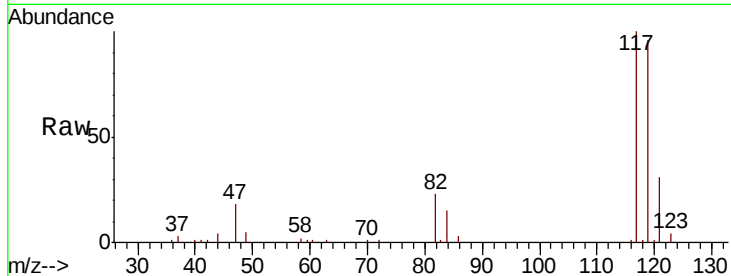
VSTD01061

Tgt Ion:117 Resp: 52639

Ion Ratio Lower Upper

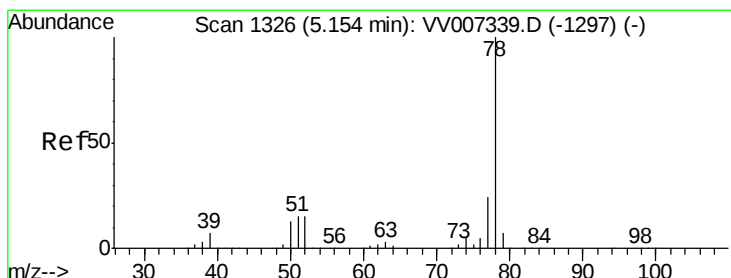
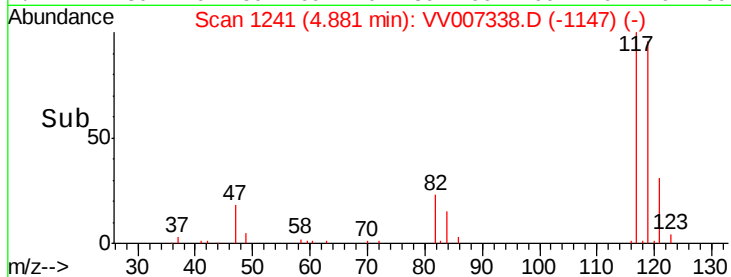
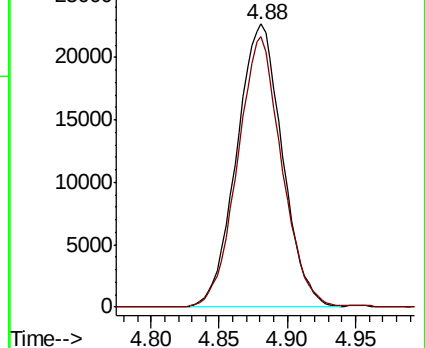
117 100

119 92.6 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 9.566 ug/L

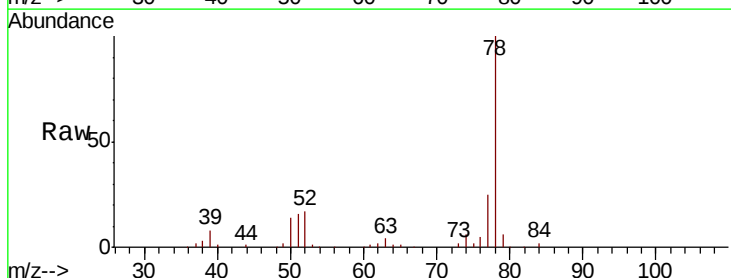
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

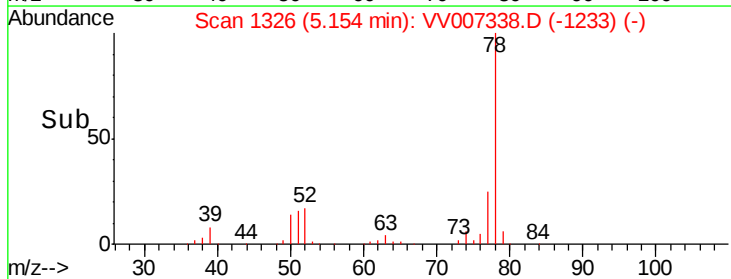
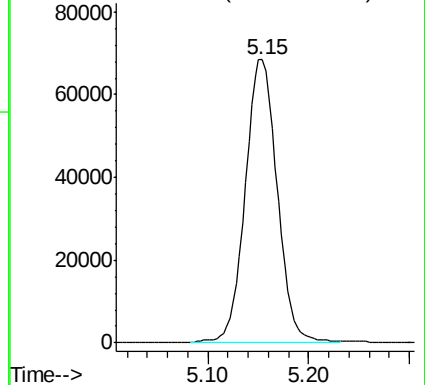
Lab File: VV007338.D

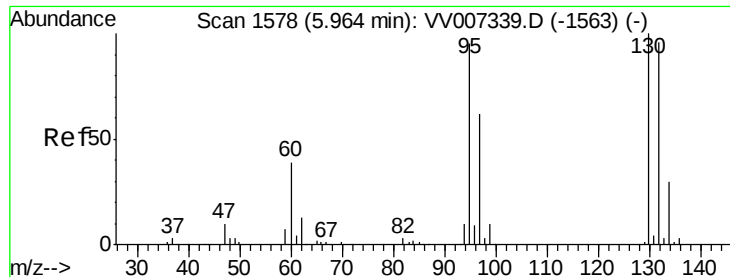
Acq: 04 Sep 2018 19:34

Tgt Ion: 78 Resp: 149940



Abundance Ion 78.00 (77.70 to 78.70): VV0

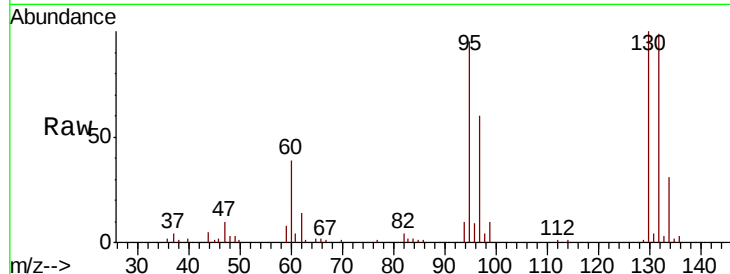




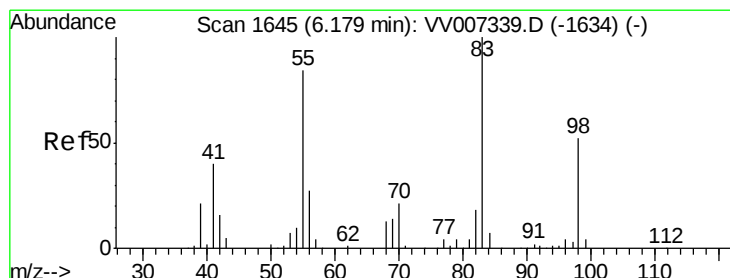
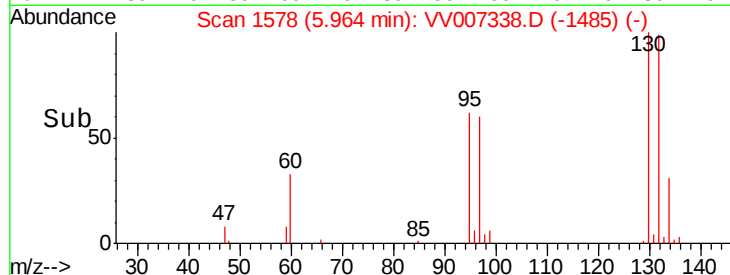
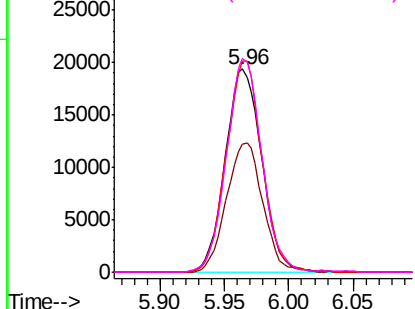
#34
 Trichloroethene
 Concen: 9.979 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV007338.D
 Acq: 04 Sep 2018 19:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01061

Tgt Ion: 95 Resp: 38198
 Ion Ratio Lower Upper
 95 100
 97 62.9 46.1 85.7
 132 103.8 70.8 131.6
 130 105.2 73.9 137.3

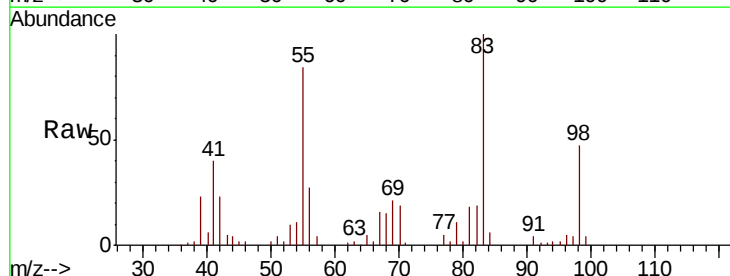


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

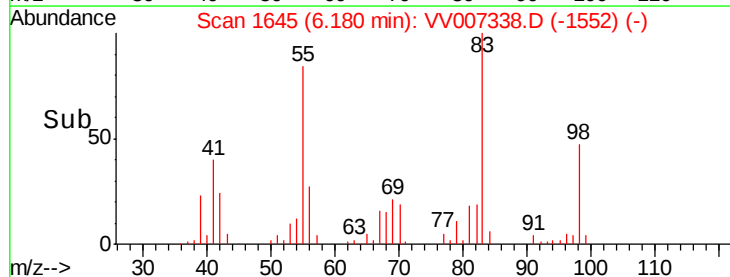
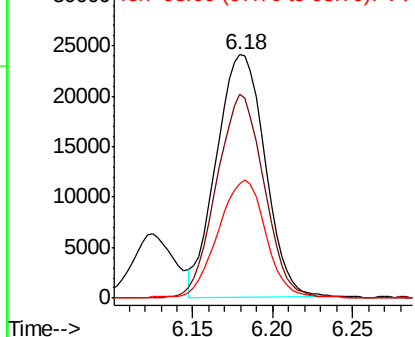


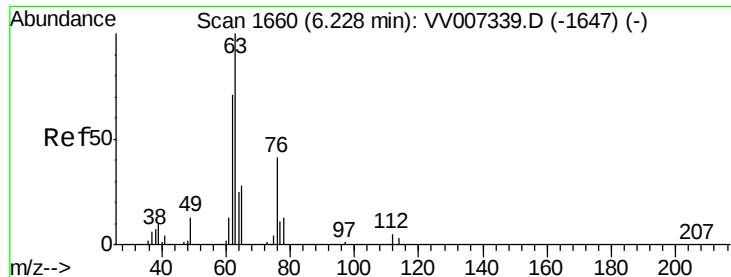
#35
 Methylcyclohexane
 Concen: 8.440 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: VV007338.D
 Acq: 04 Sep 2018 19:34

Tgt Ion: 83 Resp: 49887
 Ion Ratio Lower Upper
 83 100
 55 82.3 63.0 94.4
 98 47.5 39.0 58.6



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 10.496 ug/L

RT: 6.23 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

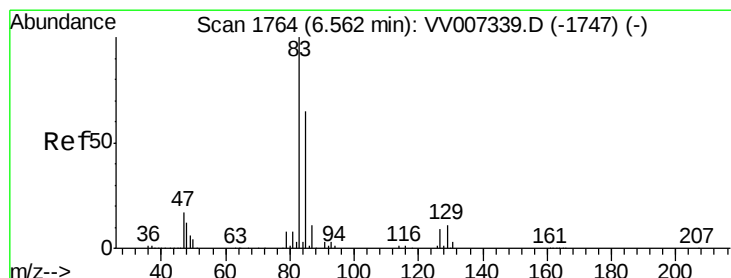
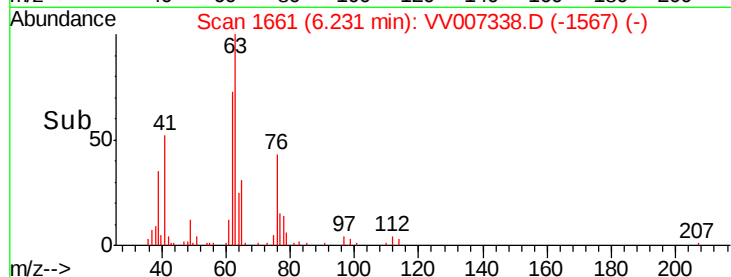
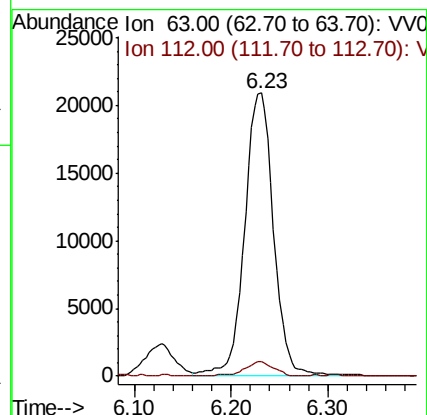
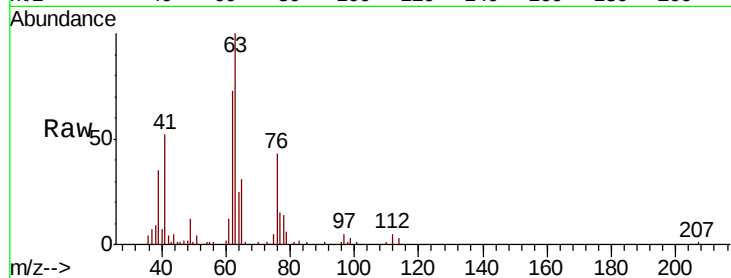
VSTD01061

Tgt Ion: 63 Resp: 43596

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.8



#38

Bromodichloromethane

Concen: 10.184 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

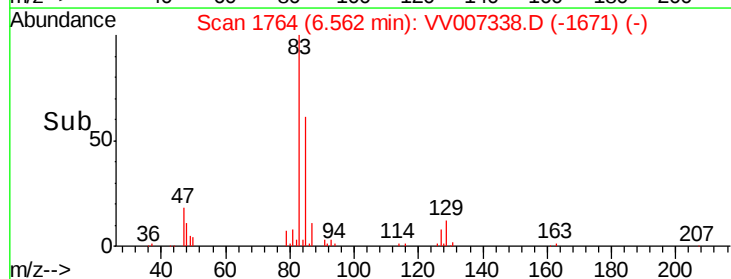
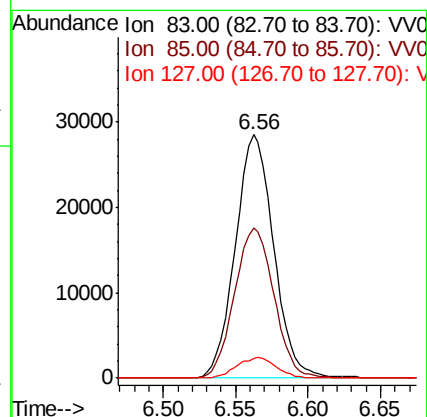
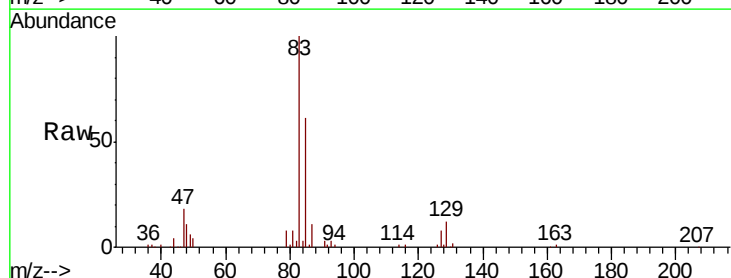
Tgt Ion: 83 Resp: 52411

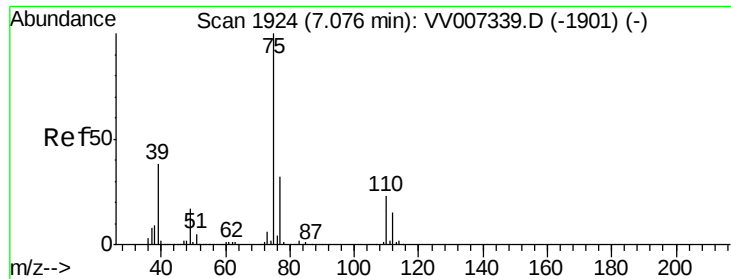
Ion Ratio Lower Upper

83 100

85 61.4 45.1 83.9

127 7.9 6.9 10.3



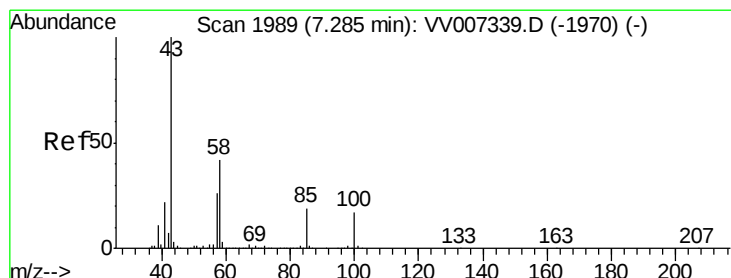
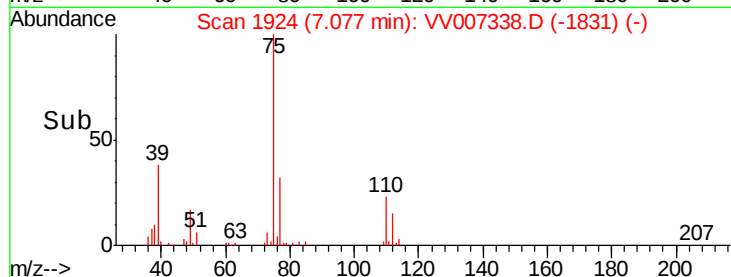
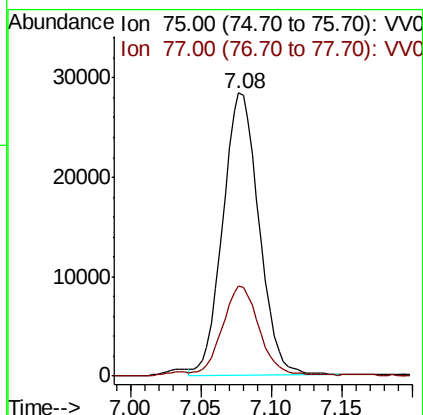
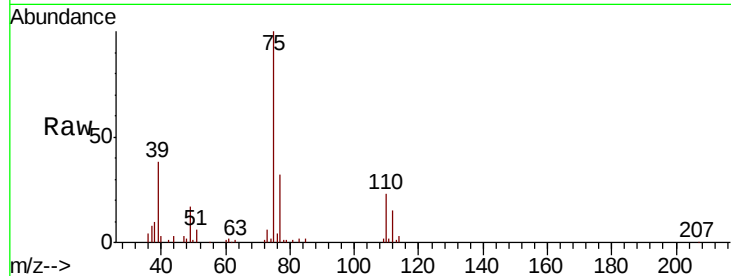


#39

cis-1,3-Dichloropropene
 Concen: 8.534 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007338.D
 Acq: 04 Sep 2018 19:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01061

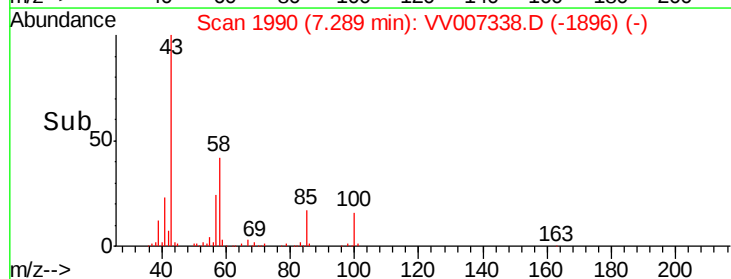
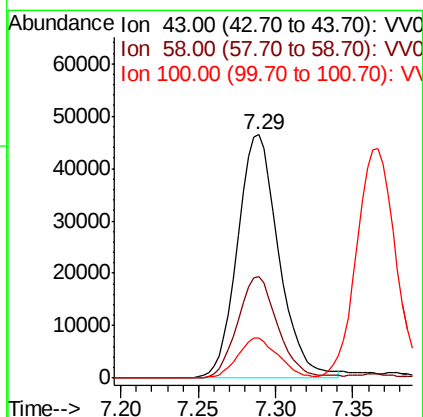
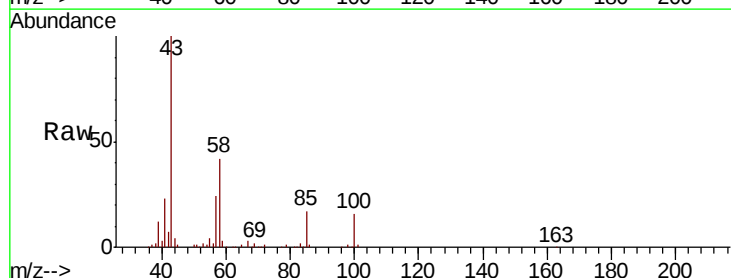
Tgt Ion: 75 Resp: 50883
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.1 41.1

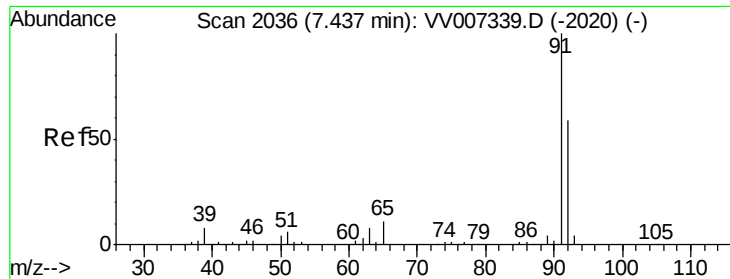


#40

4-Methyl-2-pentanone
 Concen: 17.165 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VV007338.D
 Acq: 04 Sep 2018 19:34

Tgt Ion: 43 Resp: 85572
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.9 49.3
 100 16.4 13.3 19.9





#42

Toluene

Concen: 9.034 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

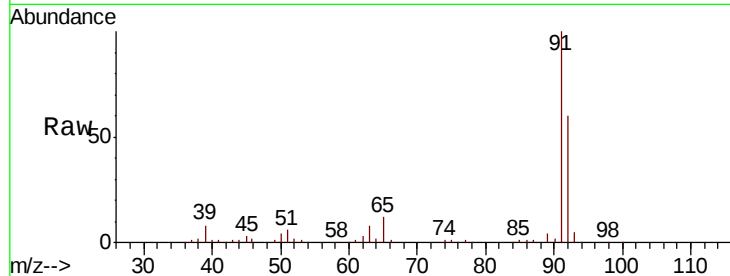
VSTD01061

Tgt Ion: 91 Resp: 138794

Ion Ratio Lower Upper

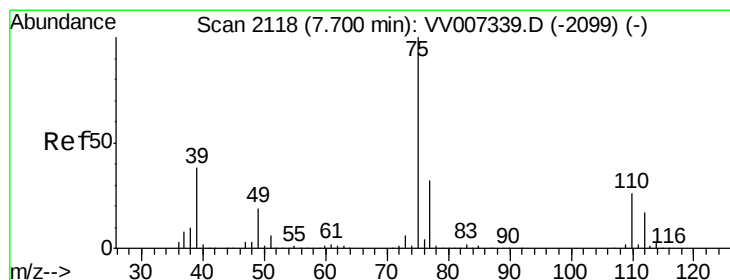
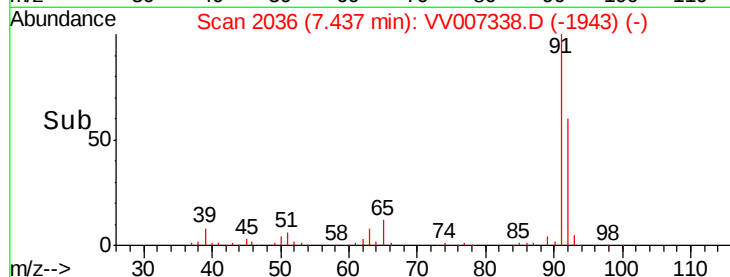
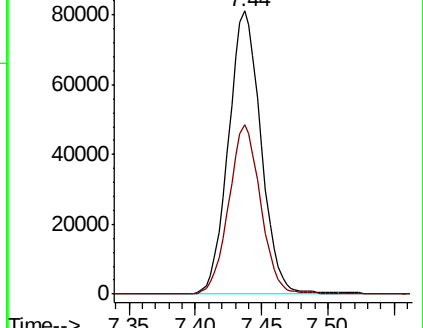
91 100

92 59.7 41.3 76.7



Abundance Ion 91.00 (90.70 to 91.70): VV007338.D (-1943) (-)

Ion 92.00 (91.70 to 92.70): VV007338.D (-1943) (-)



#44

trans-1,3-Dichloropropene

Concen: 8.952 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007338.D

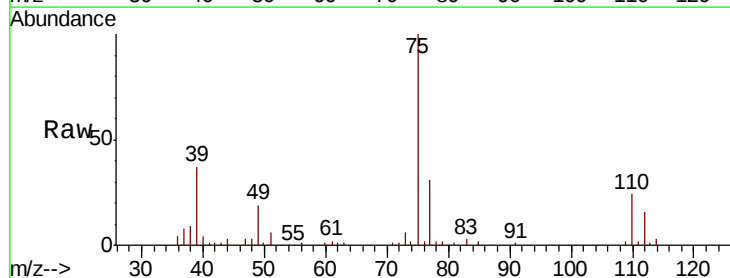
Acq: 04 Sep 2018 19:34

Tgt Ion: 75 Resp: 49078

Ion Ratio Lower Upper

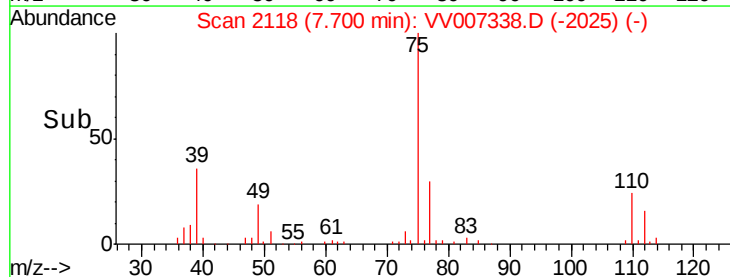
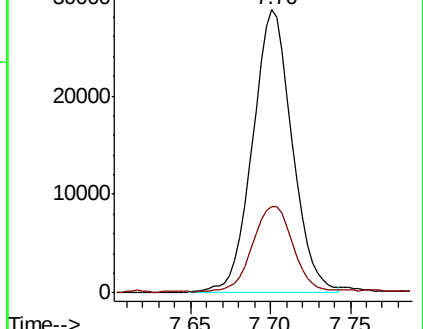
75 100

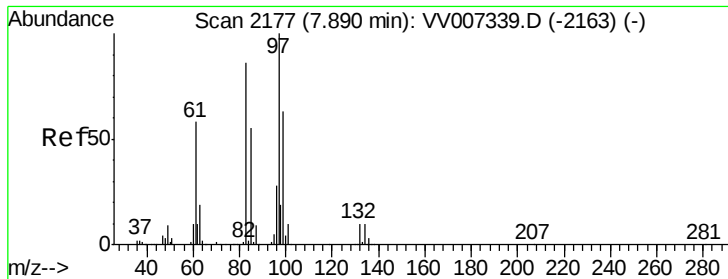
77 30.7 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV007338.D (-2025) (-)

Ion 77.00 (76.70 to 77.70): VV007338.D (-2025) (-)

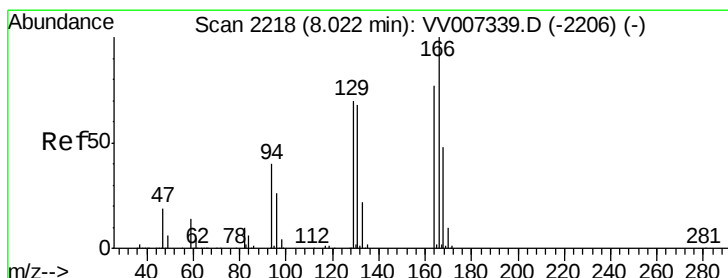
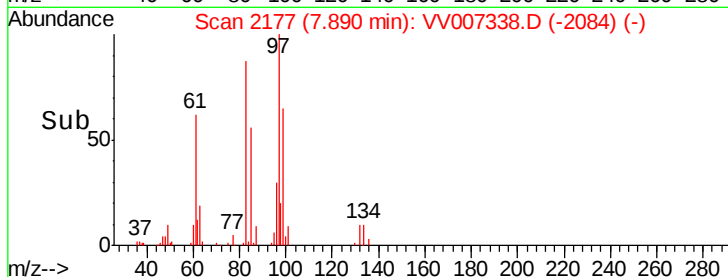
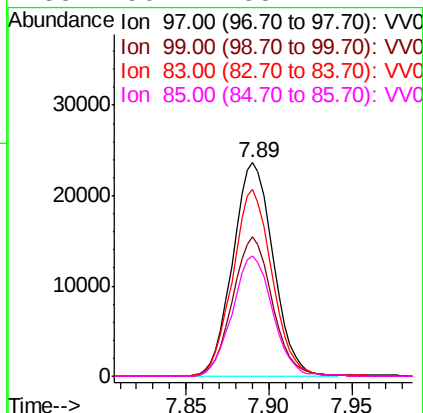
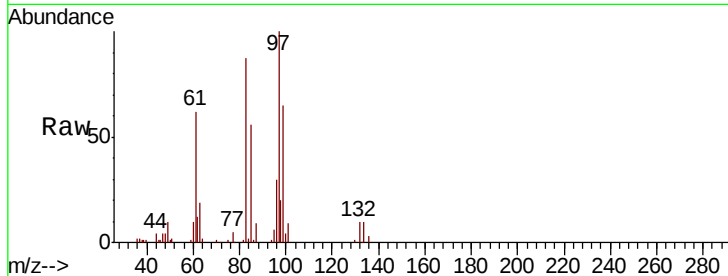




#45
 1,1,2-Trichloroethane
 Concen: 10.184 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV007338.D
 Acq: 04 Sep 2018 19:34

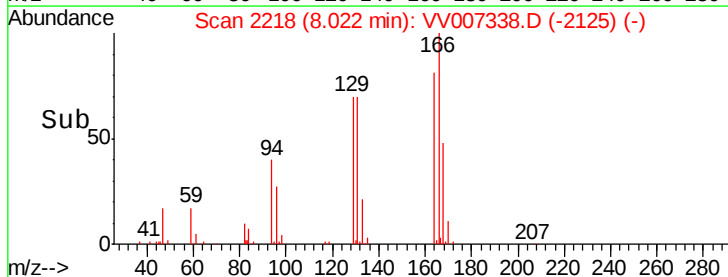
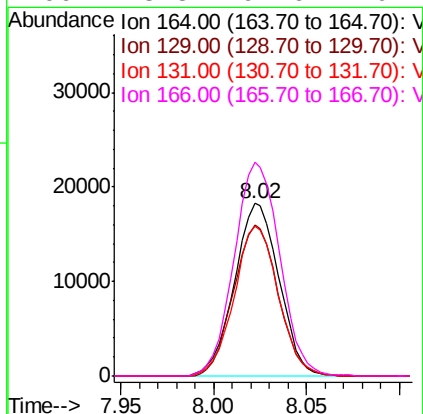
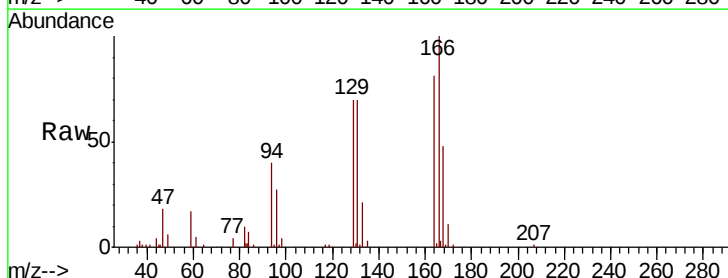
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01061

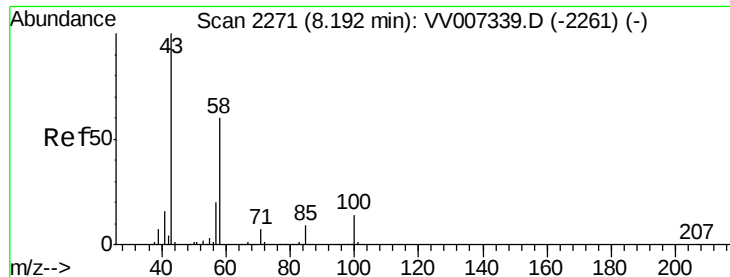
Tgt Ion:	97	Resp:	40290
Ion	Ratio	Lower	Upper
97	100		
99	65.1	44.0	81.6
83	87.3	60.1	111.5
85	56.4	38.4	71.2



#46
 Tetrachloroethene
 Concen: 9.904 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007338.D
 Acq: 04 Sep 2018 19:34

Tgt Ion:	164	Resp:	30550
Ion	Ratio	Lower	Upper
164	100		
129	87.3	63.9	118.7
131	87.1	62.6	116.2
166	123.8	91.6	170.2

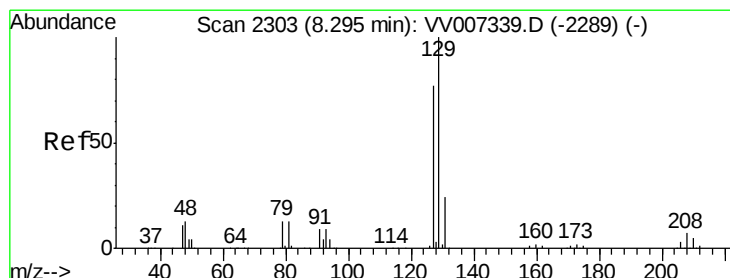
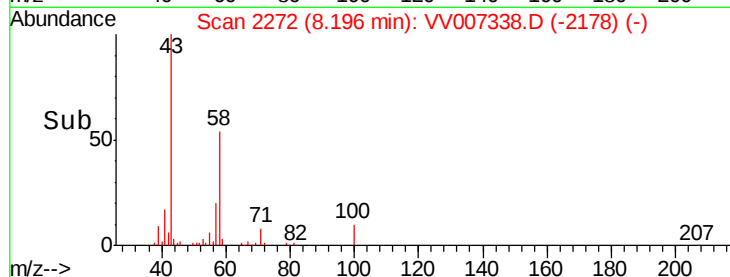
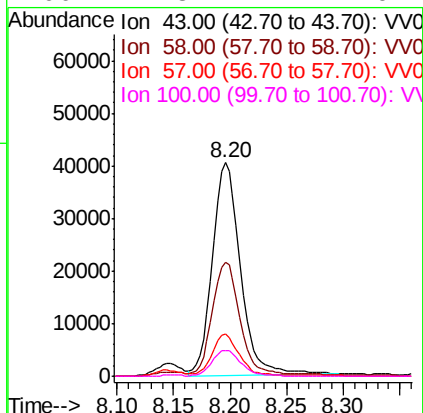
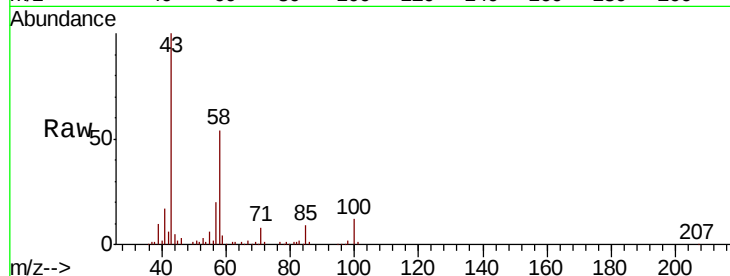




#48
2-Hexanone
Concen: 17.613 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007338.D
Acq: 04 Sep 2018 19:34

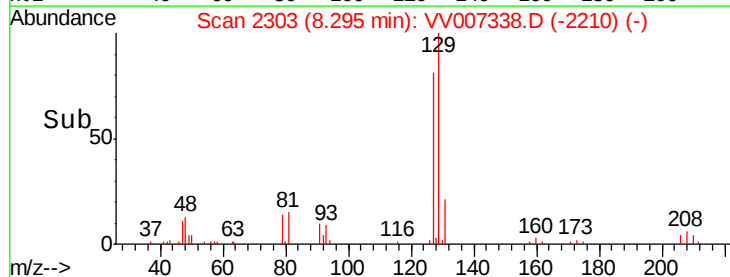
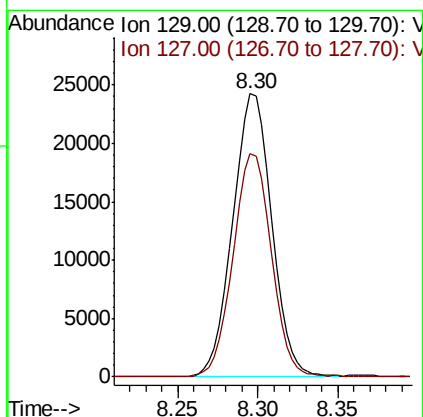
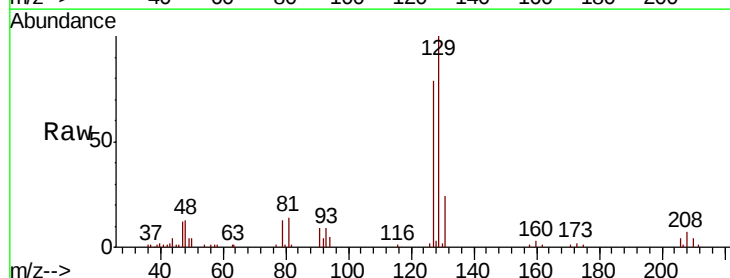
Instrument :
MSVOA_V
ClientSampleId :
VSTD01061

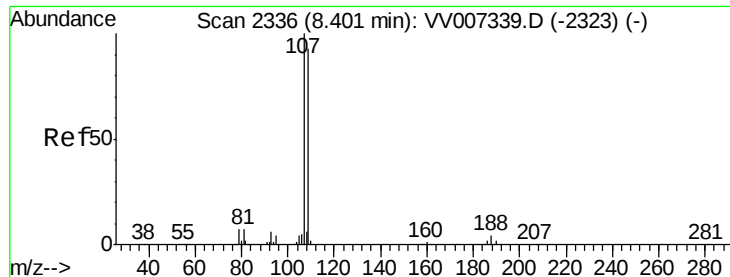
Tgt Ion: 43 Resp: 69555
Ion Ratio Lower Upper
43 100
58 53.0 48.6 72.8
57 18.4 16.2 24.2
100 12.8 11.1 16.7



#49
Dibromochloromethane
Concen: 9.785 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007338.D
Acq: 04 Sep 2018 19:34

Tgt Ion: 129 Resp: 40319
Ion Ratio Lower Upper
129 100
127 78.7 54.0 100.4

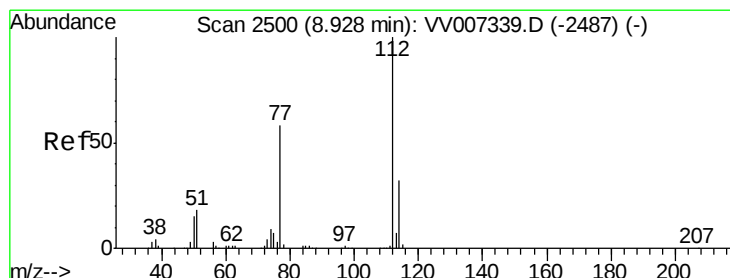
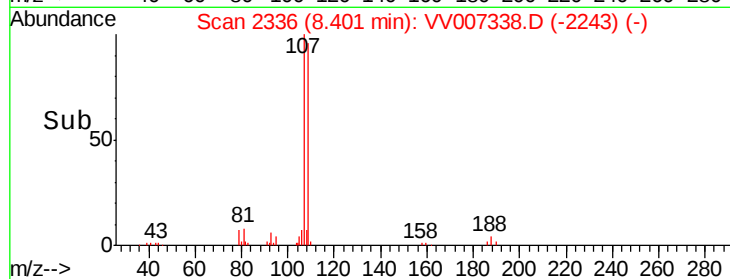
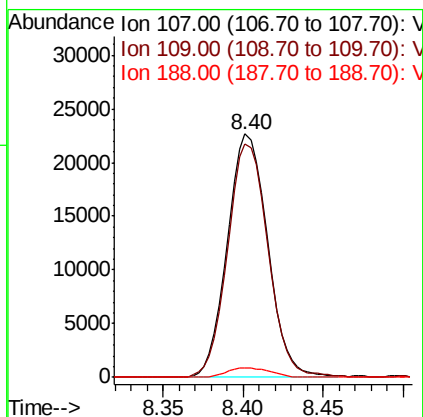
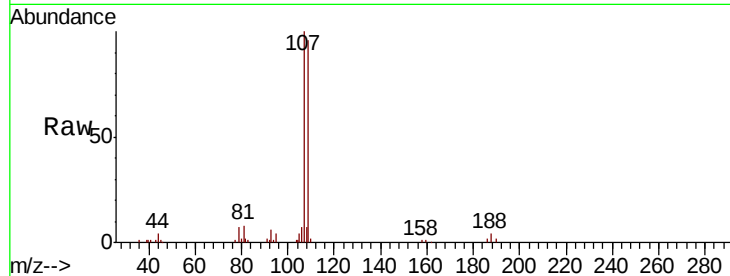




#50
1,2-Dibromoethane
Concen: 9.961 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV007338.D
Acq: 04 Sep 2018 19:34

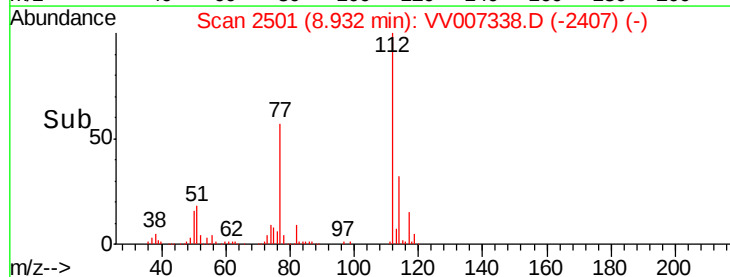
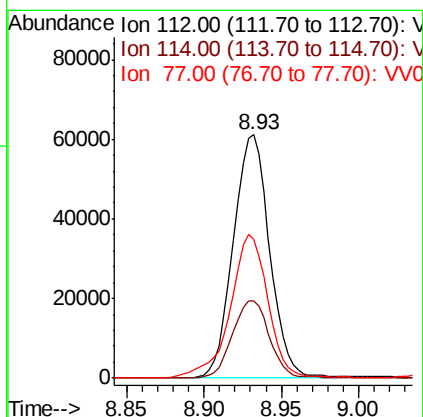
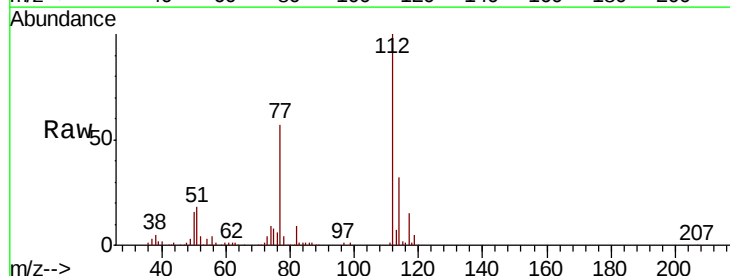
Instrument :
MSVOA_V
ClientSampleId :
VSTD01061

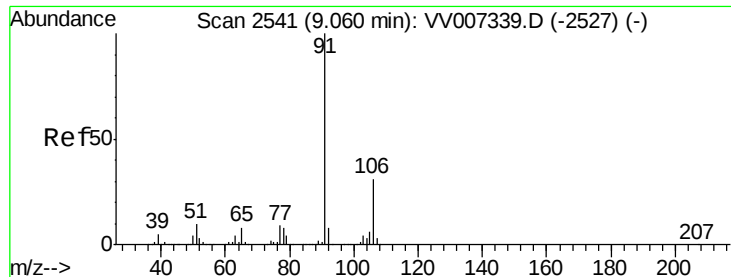
Tgt Ion:107 Resp: 38896
Ion Ratio Lower Upper
107 100
109 95.8 64.8 120.3
188 3.9 3.1 4.7



#51
Chlorobenzene
Concen: 9.772 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV007338.D
Acq: 04 Sep 2018 19:34

Tgt Ion:112 Resp: 99752
Ion Ratio Lower Upper
112 100
114 31.8 22.5 41.7
77 56.7 46.5 69.7





#52

Ethylbenzene

Concen: 8.465 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

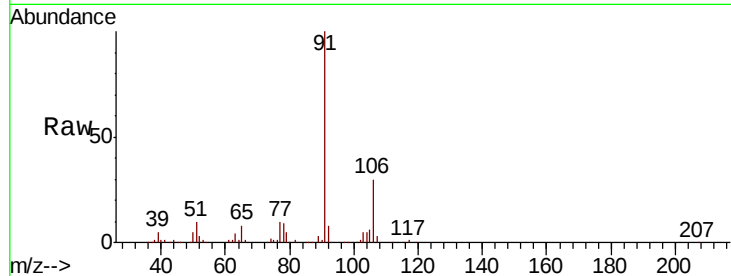
VSTD01061

Tgt Ion: 91 Resp: 133703

Ion Ratio Lower Upper

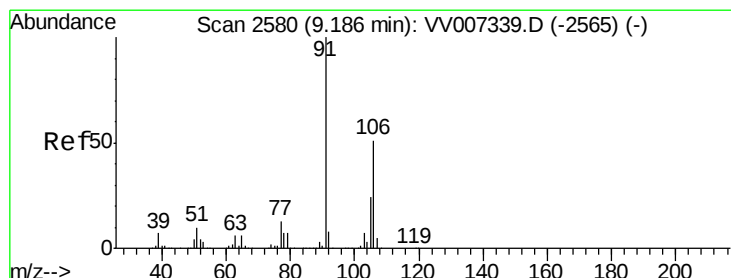
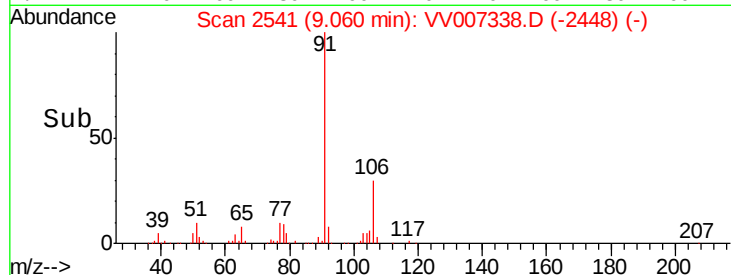
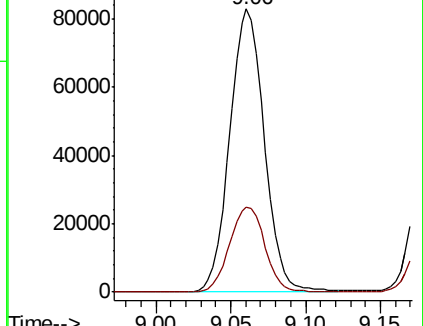
91 100

106 30.2 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV007339.D (-2527) (-)

Ion 106.00 (105.70 to 106.70): VV007339.D (-2527) (-)



#53

m,p-Xylene

Concen: 8.381 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007338.D

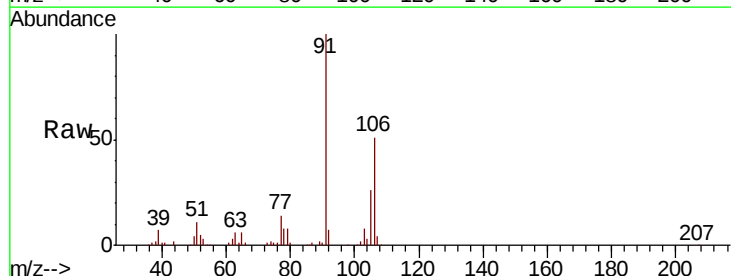
Acq: 04 Sep 2018 19:34

Tgt Ion: 106 Resp: 49862

Ion Ratio Lower Upper

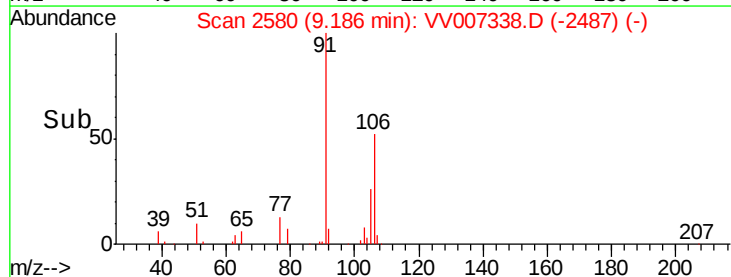
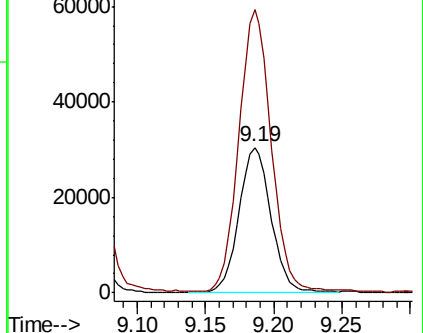
106 100

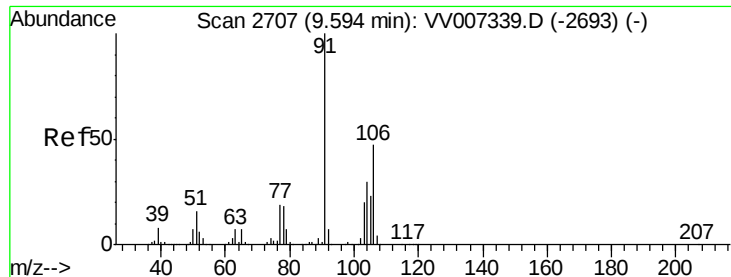
91 194.7 138.0 256.2



Abundance Ion 106.00 (105.70 to 106.70): VV007339.D (-2565) (-)

Ion 91.00 (90.70 to 91.70): VV007339.D (-2565) (-)





#54

o-xylene

Concen: 8.194 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

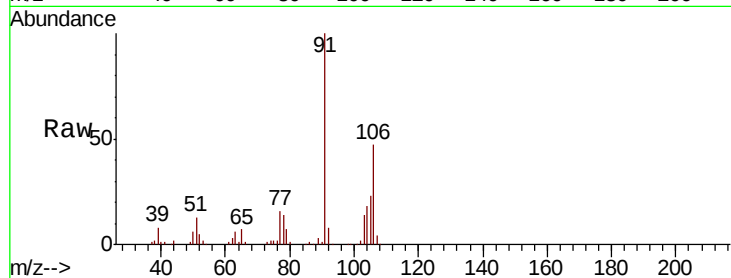
VSTD01061

Tgt Ion:106 Resp: 47465

Ion Ratio Lower Upper

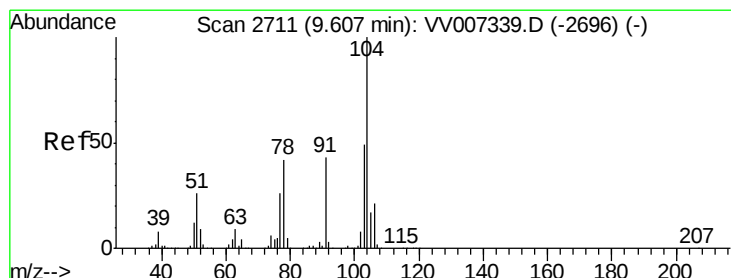
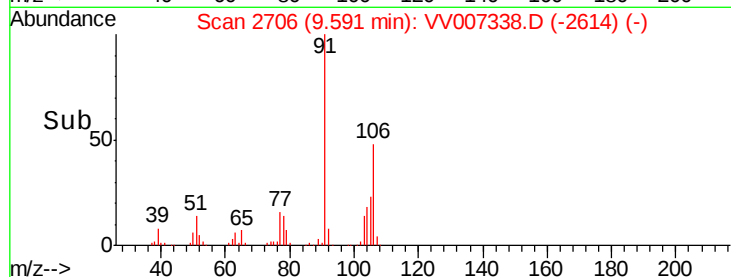
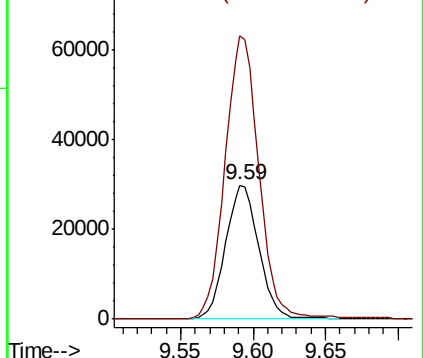
106 100

91 211.3 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 7.876 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. 0.00 min

Lab File: VV007338.D

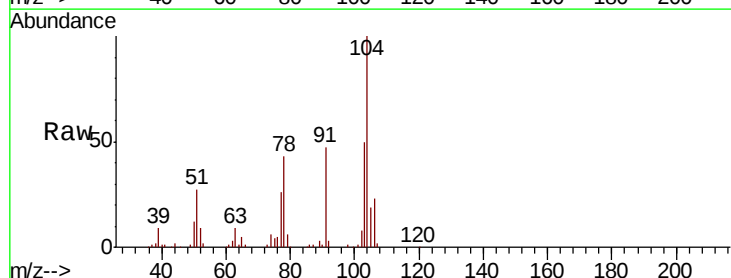
Acq: 04 Sep 2018 19:34

Tgt Ion:104 Resp: 79349

Ion Ratio Lower Upper

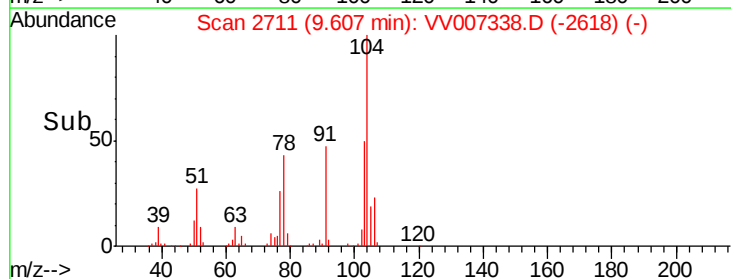
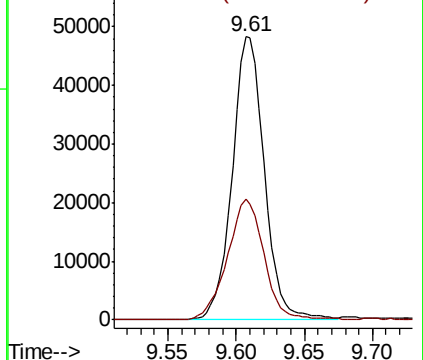
104 100

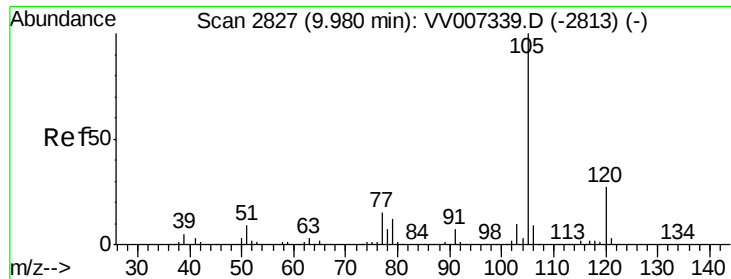
78 42.6 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 8.158 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD01061

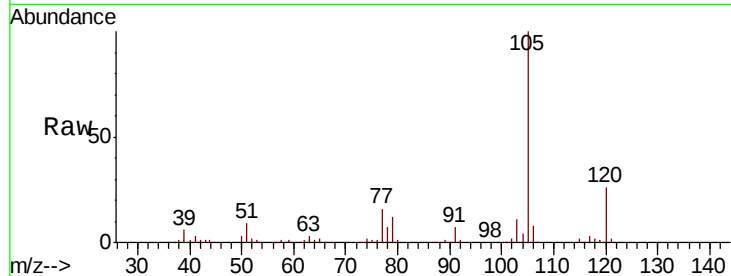
Tgt Ion: 105 Resp: 120852

Ion Ratio Lower Upper

105 100

120 26.4 21.4 32.0

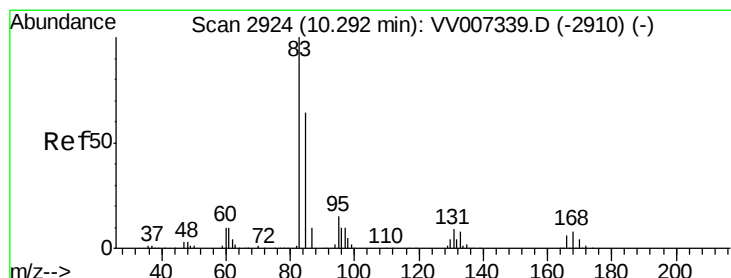
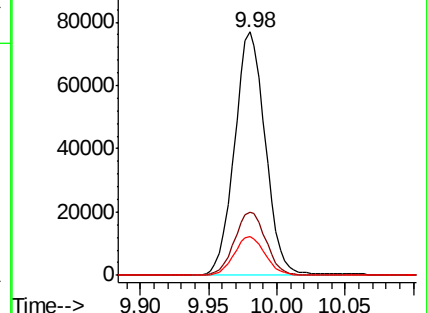
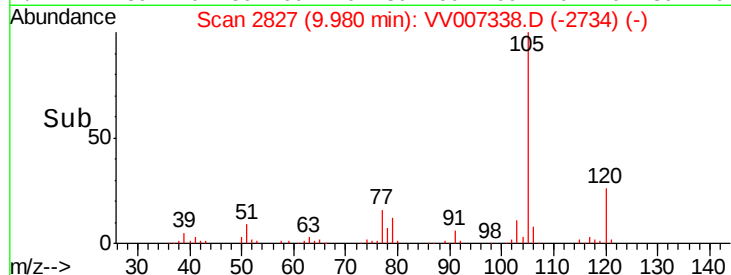
77 16.0 12.0 18.0



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: 10.003 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

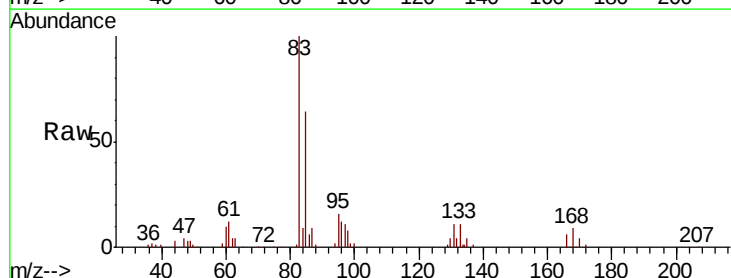
Tgt Ion: 83 Resp: 63193

Ion Ratio Lower Upper

83 100

85 64.0 44.7 82.9

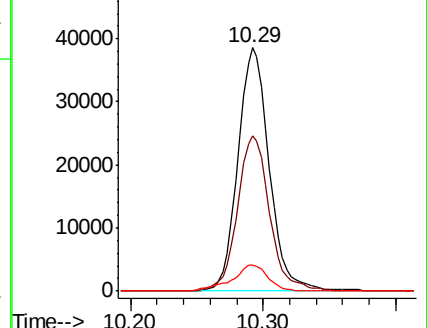
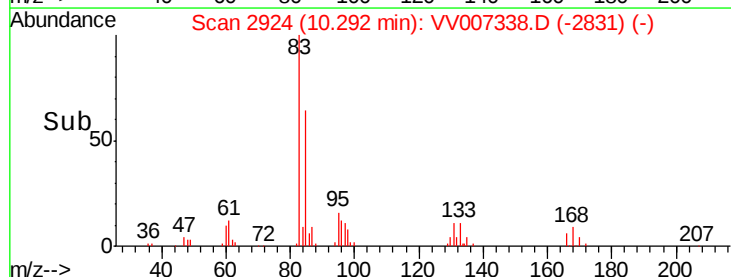
131 11.0 7.8 11.6

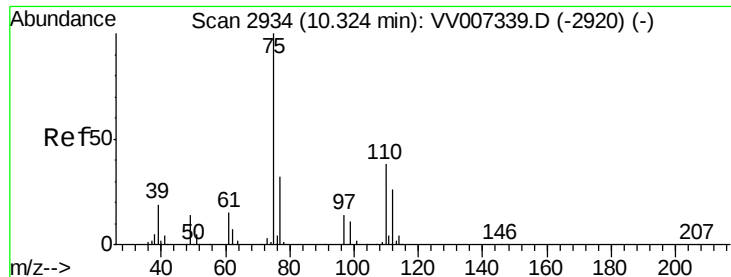


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 9.993 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

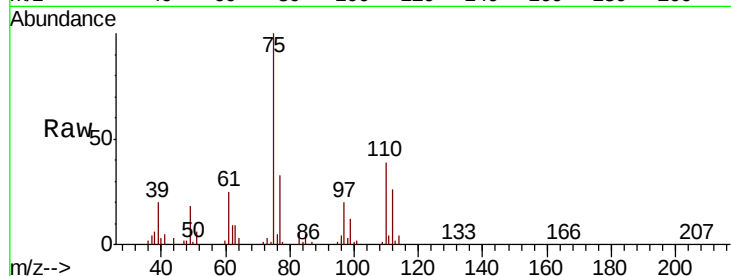
VSTD01061

Tgt Ion: 75 Resp: 50710

Ion Ratio Lower Upper

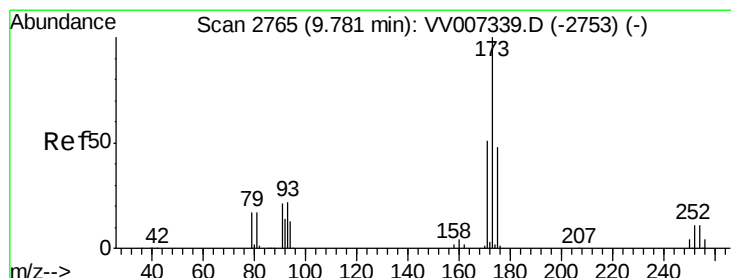
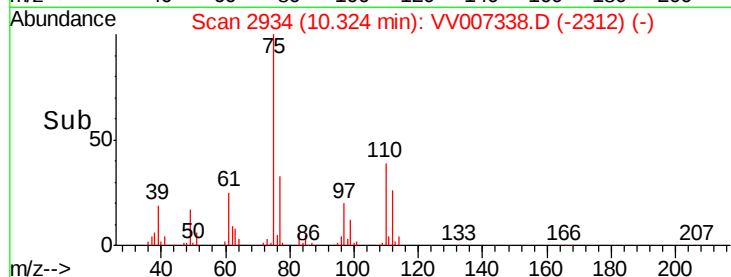
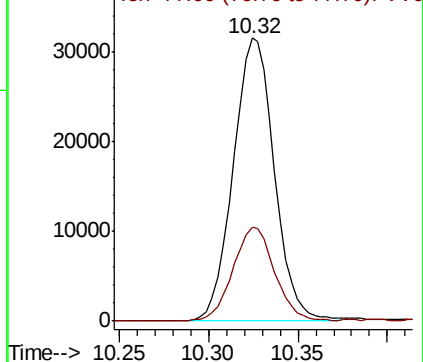
75 100

77 33.8 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#61

Bromoform

Concen: 10.665 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

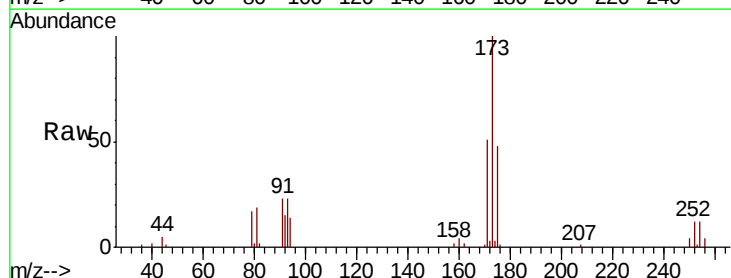
Tgt Ion: 173 Resp: 28512

Ion Ratio Lower Upper

173 100

175 49.5 39.0 58.6

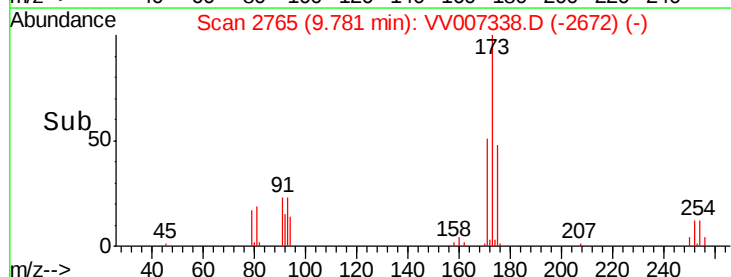
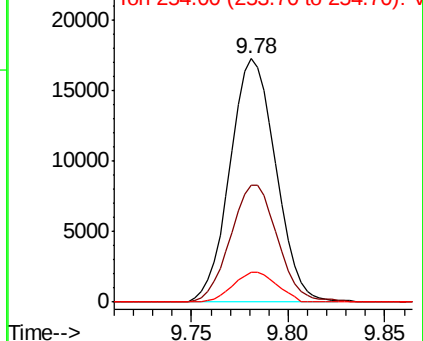
254 11.7 9.3 13.9

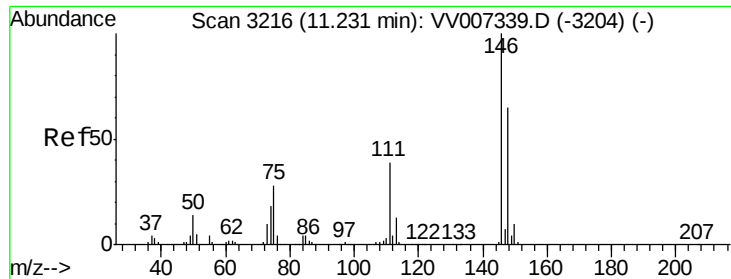


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#62

1,3-Dichlorobenzene

Concen: 9.642 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD01061

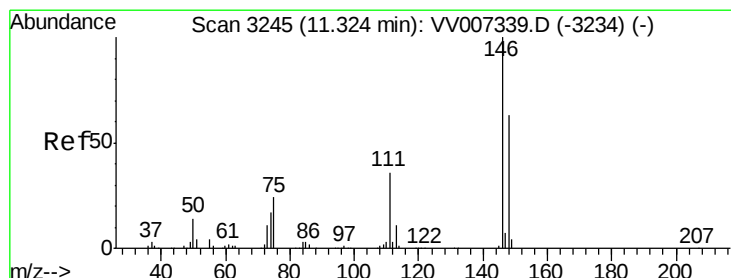
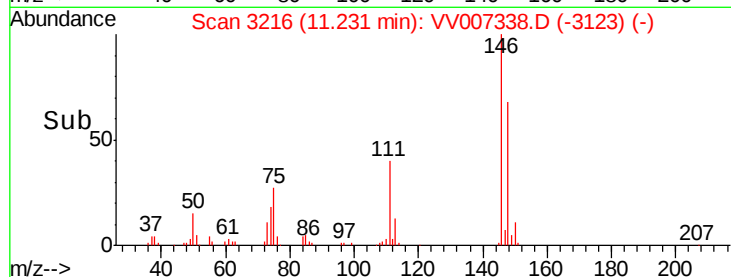
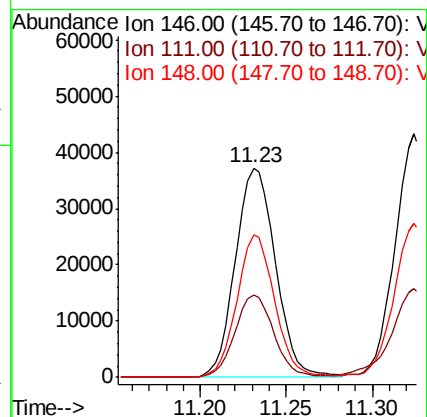
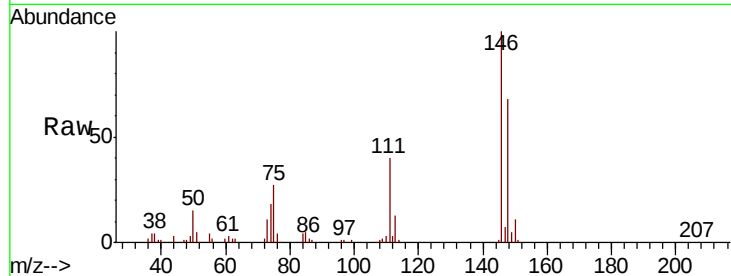
Tgt Ion:146 Resp: 60355

Ion Ratio Lower Upper

146 100

111 39.6 27.5 51.1

148 68.1 45.7 84.9



#63

1,4-Dichlorobenzene

Concen: 9.829 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

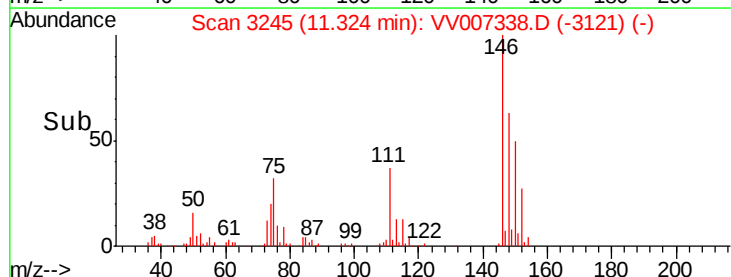
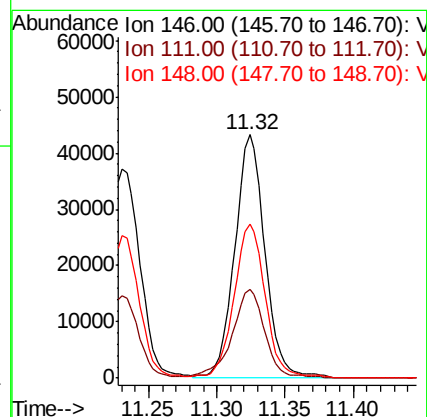
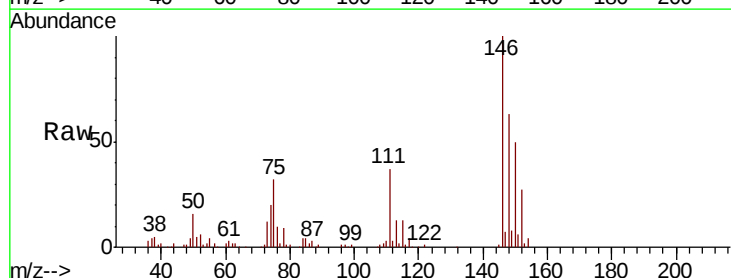
Tgt Ion:146 Resp: 65984

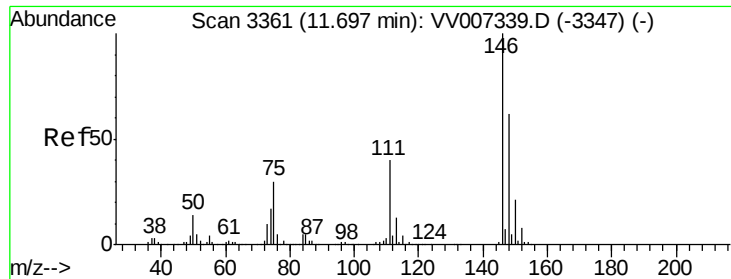
Ion Ratio Lower Upper

146 100

111 36.6 25.6 47.6

148 63.4 44.2 82.0





#65

1,2-Dichlorobenzene

Concen: 10.229 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

Instrument :

MSVOA_V

ClientSampled :

VSTD01061

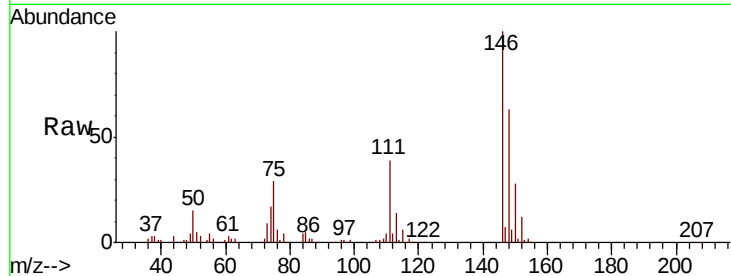
Tgt Ion:146 Resp: 69843

Ion Ratio Lower Upper

146 100

111 39.0 31.7 47.5

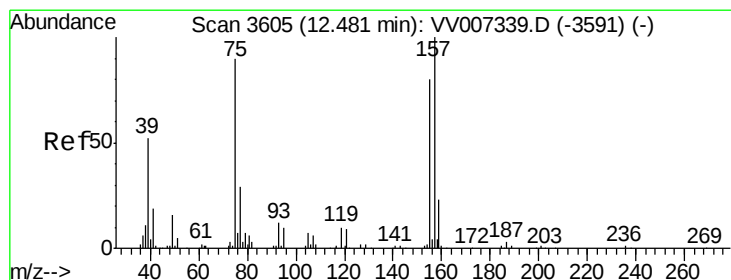
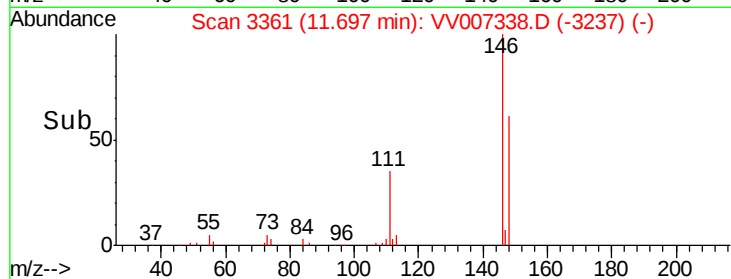
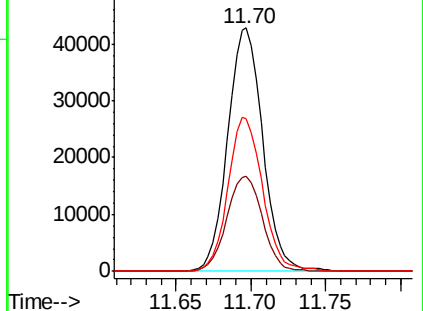
148 62.6 50.0 75.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 10.723 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

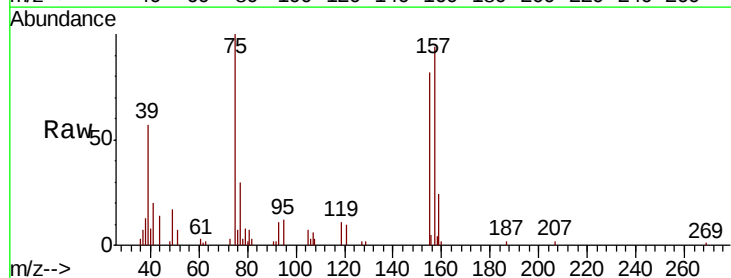
Tgt Ion: 75 Resp: 12138

Ion Ratio Lower Upper

75 100

155 81.7 70.6 105.8

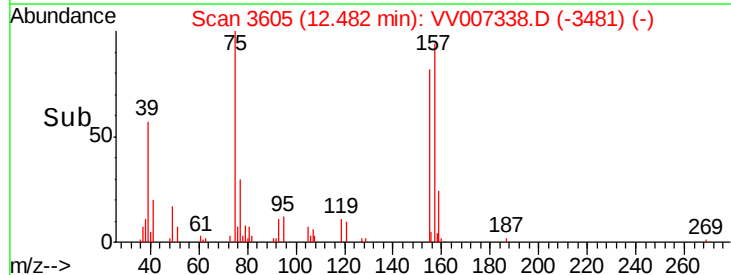
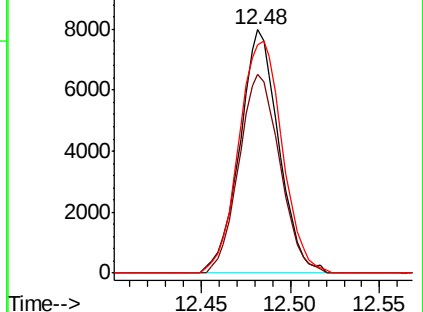
157 94.0 88.6 132.8

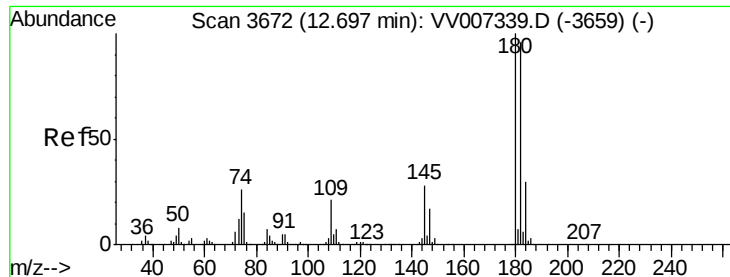


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

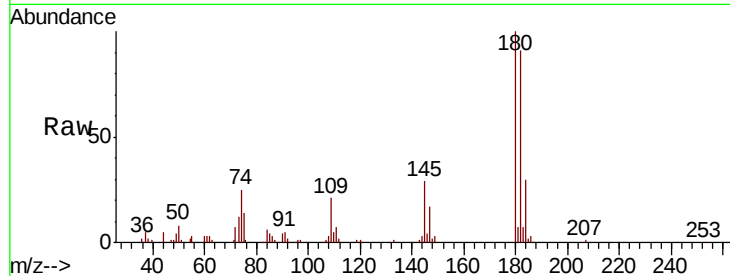




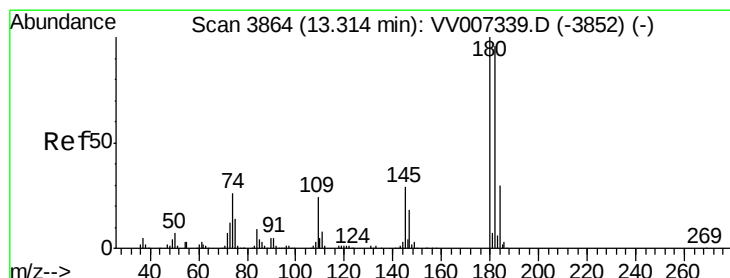
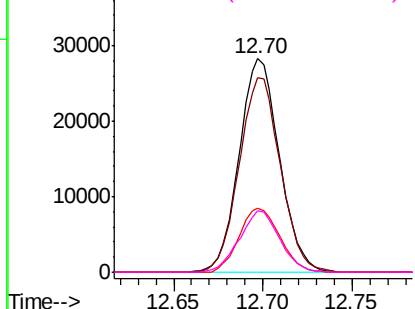
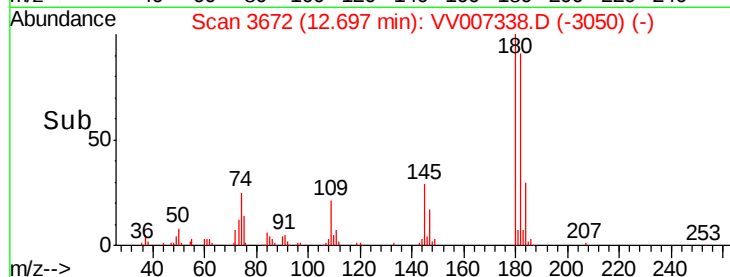
#67
 1,3,5-Trichlorobenzene
 Concen: 9.327 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. 0.00 min
 Lab File: VV007338.D
 Acq: 04 Sep 2018 19:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01061

Tgt Ion:180 Resp: 44594
 Ion Ratio Lower Upper
 180 100
 182 93.3 76.8 115.2
 184 30.3 24.2 36.2
 145 28.8 22.6 34.0

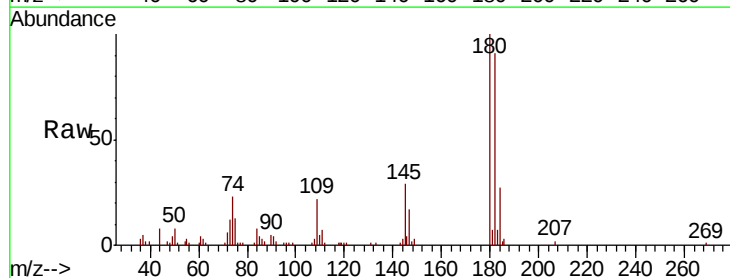


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

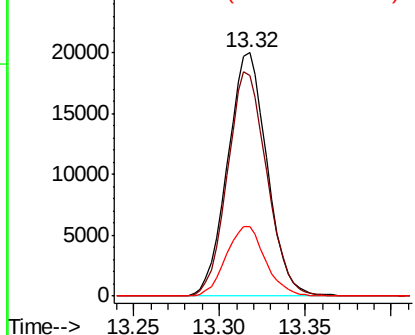
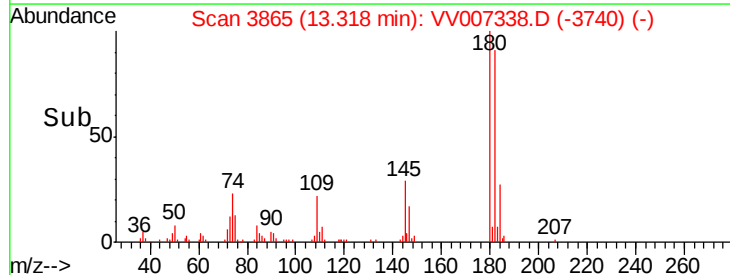


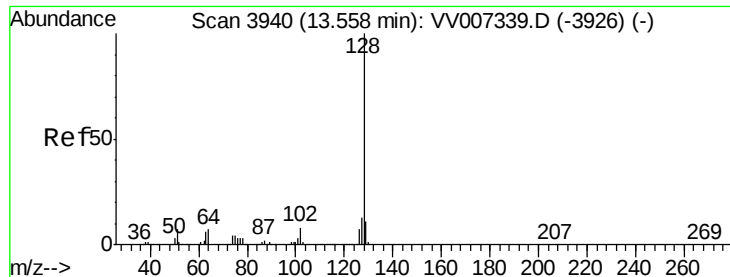
#68
 1,2,4-trichlorobenzene
 Concen: 8.448 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV007338.D
 Acq: 04 Sep 2018 19:34

Tgt Ion:180 Resp: 31932
 Ion Ratio Lower Upper
 180 100
 182 91.9 77.0 115.4
 145 28.4 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: 6.793 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD01061

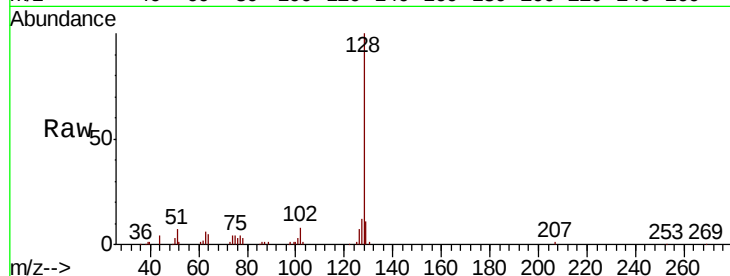
Tgt Ion:128 Resp: 72876

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

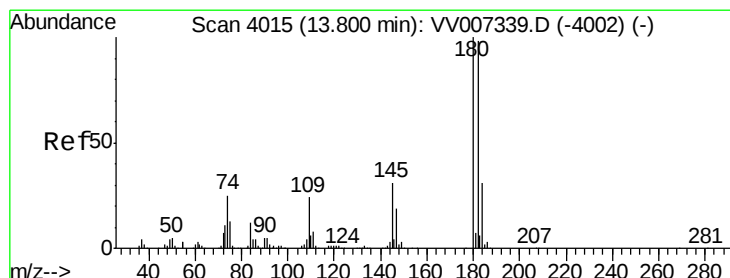
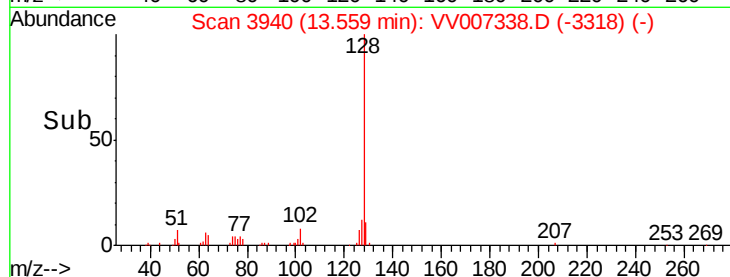
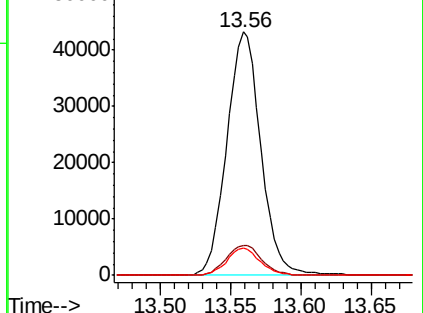
129 10.9 8.7 13.1



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: 8.404 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007338.D

Acq: 04 Sep 2018 19:34

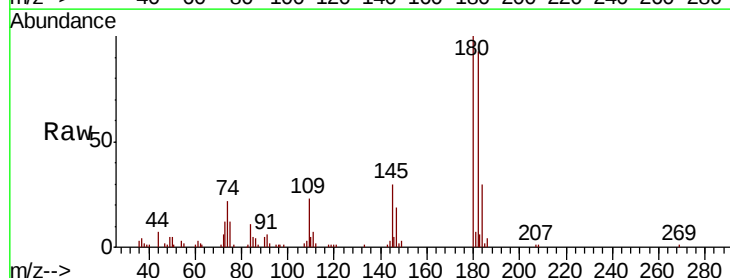
Tgt Ion:180 Resp: 34538

Ion Ratio Lower Upper

180 100

182 94.3 77.2 115.8

145 29.2 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

