

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090418\
 Data File : VV007340.D
 Acq On : 04 Sep 2018 20:23
 Operator : SY/MD
 Sample : VSTD10063
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10063

Quant Time: Sep 05 00:59:49 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	574391	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	553764	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	281086	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	405348	97.32	ug/L	0.00
7) Chloroethane-d5	1.57	69	221662	85.63	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	703413	96.79	ug/L	0.00
21) 2-Butanone-d5	3.96	46	678180	206.53	ug/L	0.00
24) Chloroform-d	4.41	84	831341	99.55	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	502604	98.71	ug/L	0.00
32) Benzene-d6	5.10	84	1712225	98.72	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	550000	96.35	ug/L	0.00
41) Toluene-d8	7.37	98	1562430	103.09	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	248788	98.36	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	523393	234.58	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	763932	100.17	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	604028	95.19	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	315400	81.291 ug/L	98
3) Chloromethane	1.26	50	443185	95.119 ug/L	99
5) Vinyl chloride	1.32	62	461375	101.665 ug/L	99
6) Bromomethane	1.53	94	209585	91.594 ug/L	100
8) Chloroethane	1.58	64	218243	98.807 ug/L	100
9) Trichlorofluoromethane	1.76	101	579702	98.551 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	358002	97.870 ug/L	100
12) 1,1-Dichloroethene	2.14	96	337531	98.534 ug/L	95
13) Acetone	2.20	43	351660	159.619 ug/L	99
14) Carbon disulfide	2.32	76	962525	95.155 ug/L	99
15) Methyl Acetate	2.47	43	396320	99.865 ug/L	98
16) Methylene chloride	2.54	84	392559	95.177 ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	365292	97.578 ug/L	98
18) Methyl tert-butyl Ether	2.82	73	1178007	100.684 ug/L	100
19) 1,1-Dichloroethane	3.23	63	756709	99.090 ug/L	99
20) cis-1,2-Dichloroethene	3.97	96	450906	103.213 ug/L	100
22) 2-Butanone	4.04	43	658328	197.169 ug/L	99
23) Bromochloromethane	4.30	128	224893	99.743 ug/L	100
25) Chloroform	4.44	83	760660	99.621 ug/L	99
27) 1,2-Dichloroethane	5.19	62	569404	101.721 ug/L	99
29) Cyclohexane	4.73	56	643298	104.122 ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	641642	98.238 ug/L	99
31) Carbon tetrachloride	4.88	117	547318	97.529 ug/L	99
33) Benzene	5.15	78	1750646	100.844 ug/L	100
34) Trichloroethene	5.96	95	410388	96.807 ug/L	99
35) Methylcyclohexane	6.18	83	698925	106.770 ug/L	98
37) 1,2-Dichloropropane	6.23	63	468475	101.836 ug/L	99
38) Bromodichloromethane	6.56	83	564590	99.052 ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	671045	101.623 ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	1181681	214.028 ug/L	98

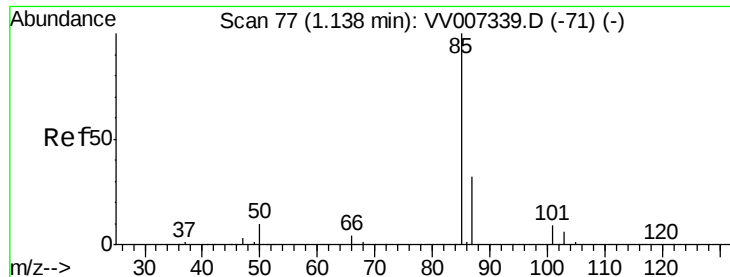
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090418\
 Data File : VV007340.D
 Acq On : 04 Sep 2018 20:23
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Quant Time: Sep 05 00:59:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090418WMA.M
 Quant Title : VOC Analysis
 QLast Update : 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	1791968	105.318	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	633396	104.321	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	432857	98.796	ug/L	100
46) Tetrachloroethene	8.02	164	338288	99.024	ug/L	99
48) 2-Hexanone	8.20	43	951052	217.451	ug/L	99
49) Dibromochloromethane	8.30	129	459184	100.622	ug/L	98
50) 1,2-Dibromoethane	8.40	107	432829	100.083	ug/L	96
51) Chlorobenzene	8.93	112	1134390	100.337	ug/L	99
52) Ethylbenzene	9.06	91	1900942	108.670	ug/L	100
53) m,p-Xylene	9.19	106	736738	111.808	ug/L	99
54) o-xylene	9.59	106	713778	111.260	ug/L	99
55) Styrene	9.61	104	1281020	114.809	ug/L	99
56) Isopropylbenzene	9.98	105	1837079	111.972	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	696718	99.577	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	556785	99.069	ug/L	99
61) Bromoform	9.78	173	340126	93.032	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	828651	96.797	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	887007	96.616	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	916198	98.123	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	151190	97.662	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	656640	100.428	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	565966	109.484	ug/L	100
69) Naphthalene	13.56	128	1856806	126.568	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	634568	112.904	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 81.291 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

Instrument :

MSVOA_V

ClientSampleId :

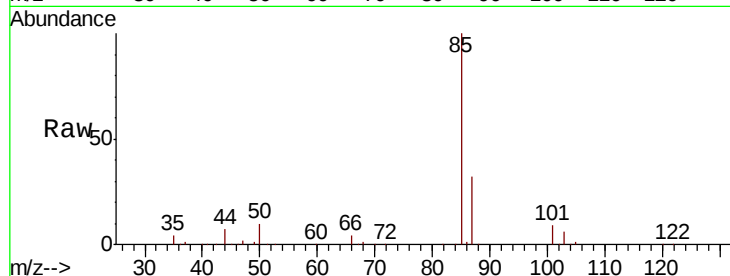
VSTD10063

Tgt Ion: 85 Resp: 315400

Ion Ratio Lower Upper

85 100

87 33.4 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

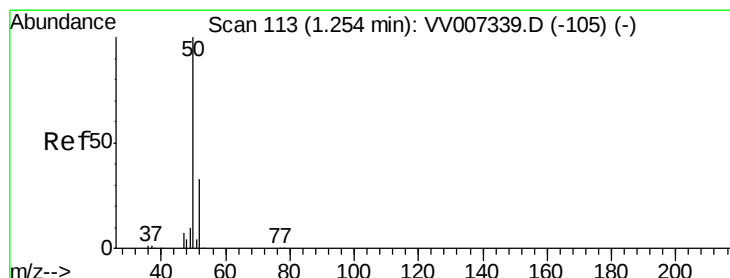
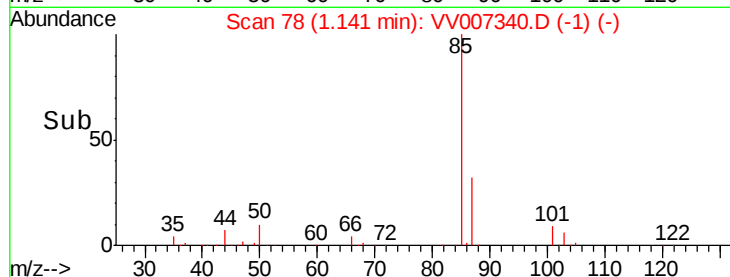
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 95.119 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV007340.D

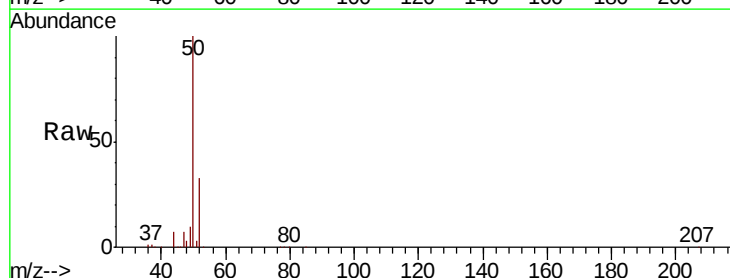
Acq: 04 Sep 2018 20:23

Tgt Ion: 50 Resp: 443185

Ion Ratio Lower Upper

50 100

52 32.7 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

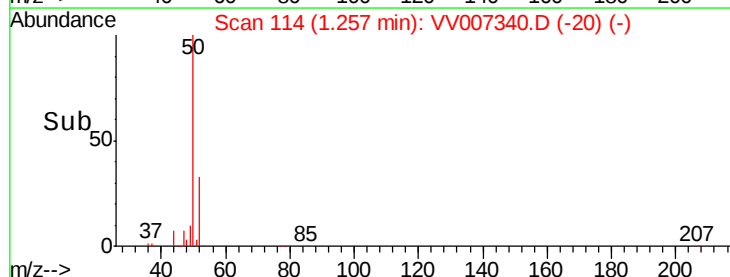
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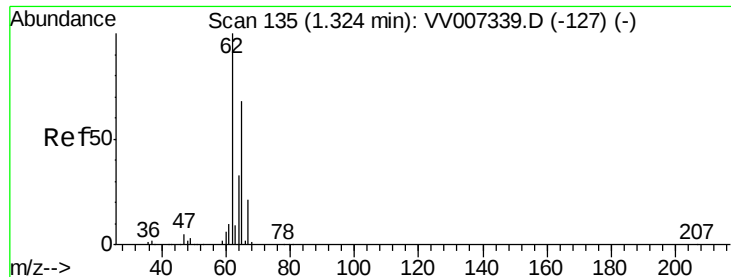
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 101.665 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

Instrument :

MSVOA_V

ClientSampleId :

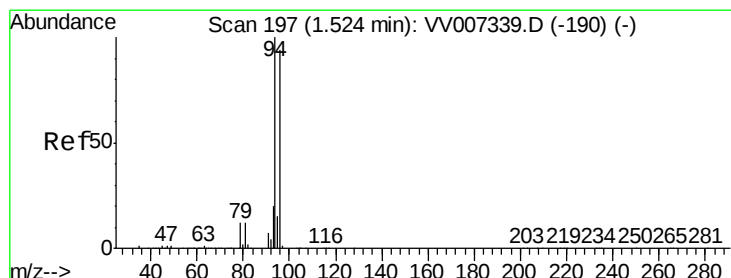
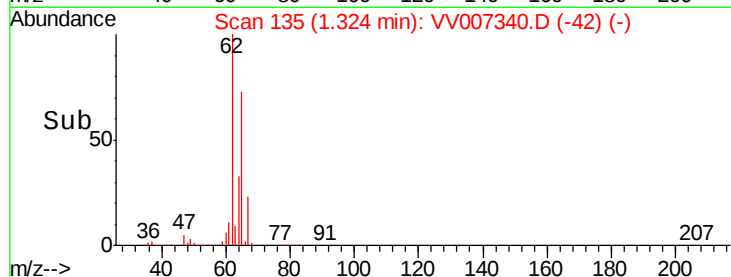
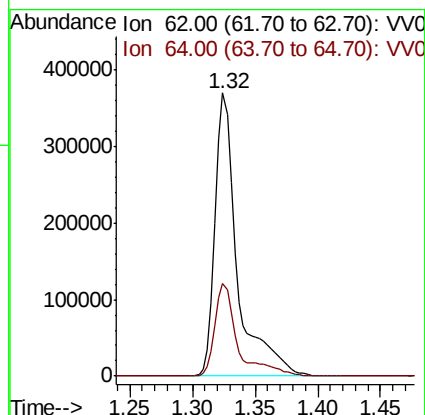
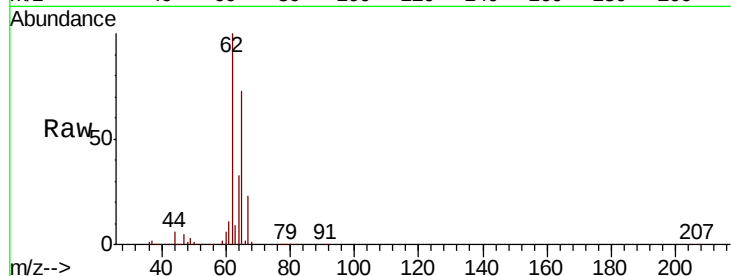
VSTD10063

Tgt Ion: 62 Resp: 461375

Ion Ratio Lower Upper

62 100

64 32.8 23.2 43.2



#6

Bromomethane

Concen: 91.594 ug/L

RT: 1.53 min Scan# 198

Delta R.T. 0.00 min

Lab File: VV007340.D

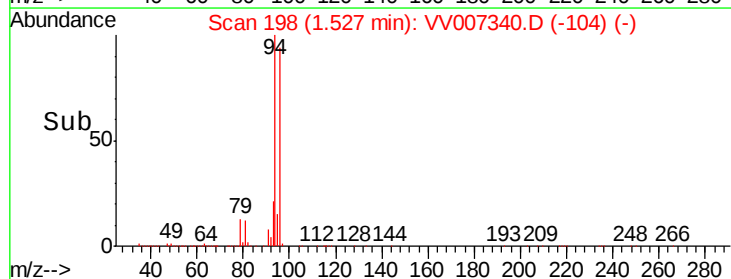
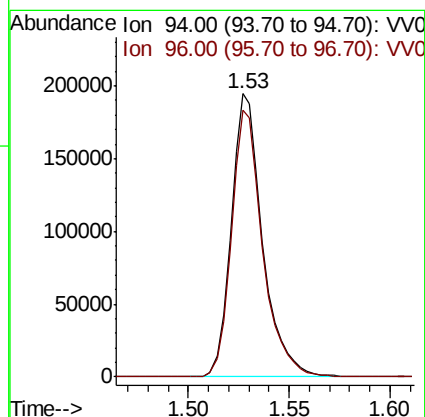
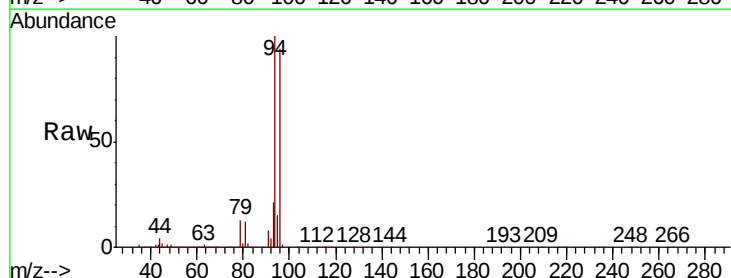
Acq: 04 Sep 2018 20:23

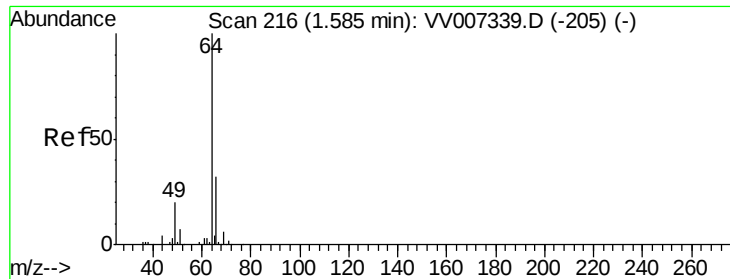
Tgt Ion: 94 Resp: 209585

Ion Ratio Lower Upper

94 100

96 94.3 65.9 122.5

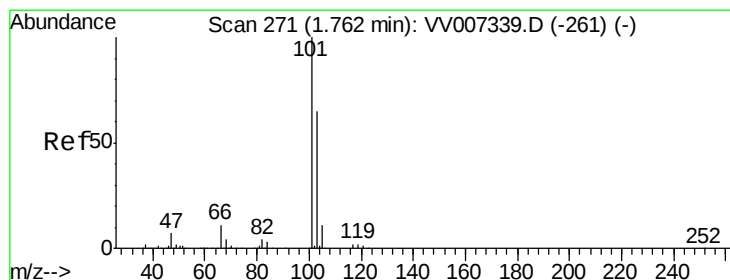
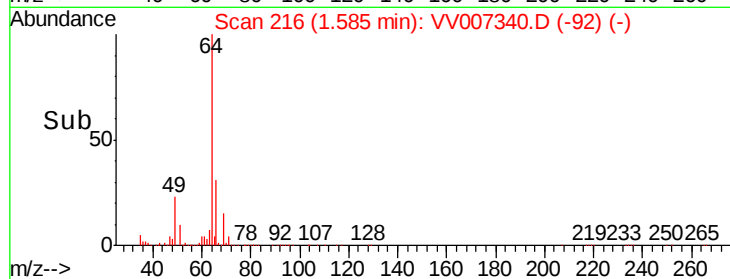
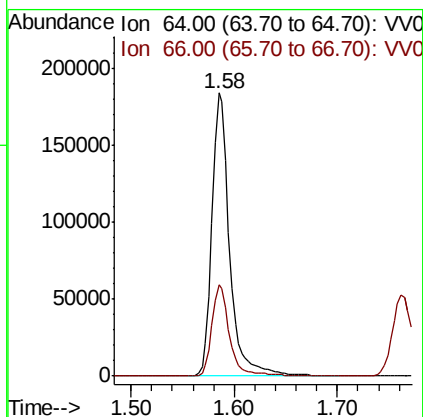
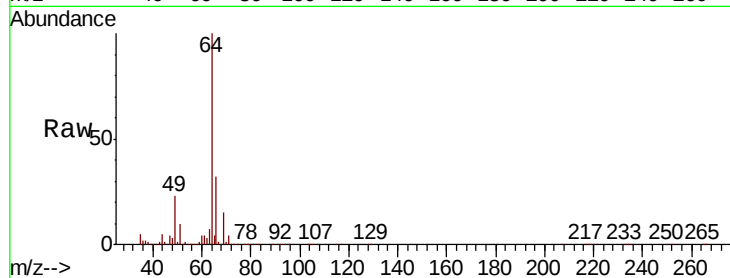




#8
Chloroethane
Concen: 98.807 ug/L
RT: 1.58 min Scan# 216
Delta R.T. 0.00 min
Lab File: VV007340.D
Acq: 04 Sep 2018 20:23

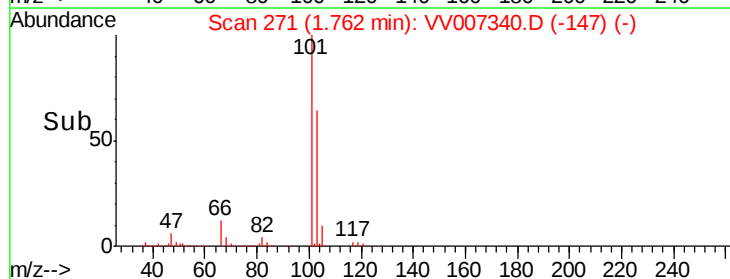
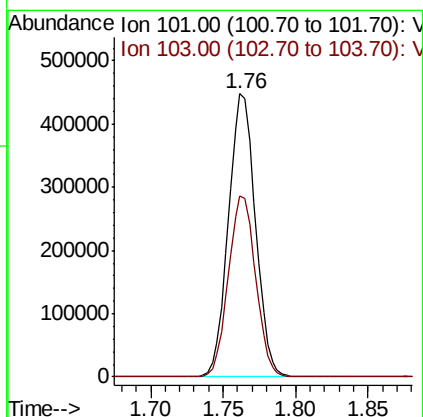
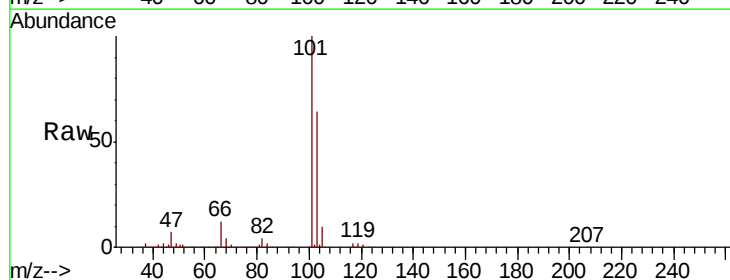
Instrument :
MSVOA_V
ClientSampleId :
VSTD10063

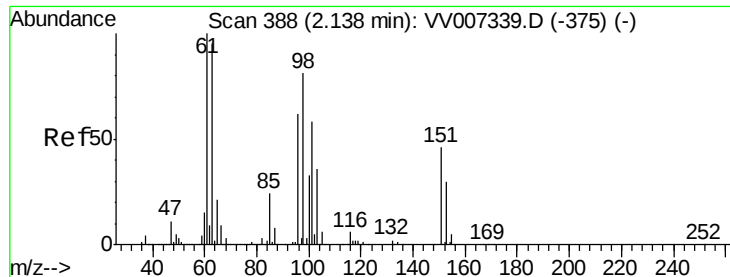
Tgt Ion: 64 Resp: 218243
Ion Ratio Lower Upper
64 100
66 32.1 22.6 42.0



#9
Trichlorofluoromethane
Concen: 98.551 ug/L
RT: 1.76 min Scan# 271
Delta R.T. 0.00 min
Lab File: VV007340.D
Acq: 04 Sep 2018 20:23

Tgt Ion: 101 Resp: 579702
Ion Ratio Lower Upper
101 100
103 64.5 51.8 77.8





#10

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

Concen: 97.870 ug/L

RT: 2.14 min Scan# 388

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

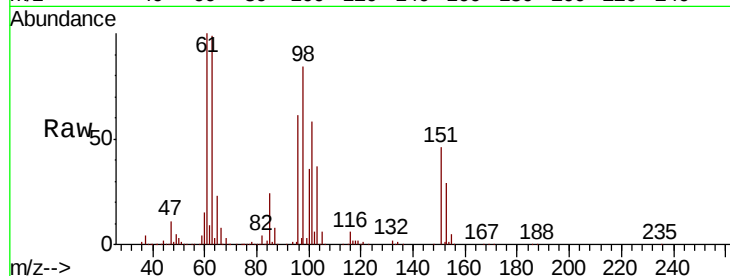
Tgt Ion:101 Resp: 358002

Ion Ratio Lower Upper

101 100

85 41.1 32.7 49.1

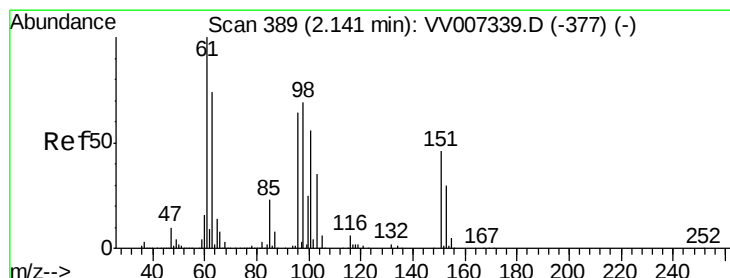
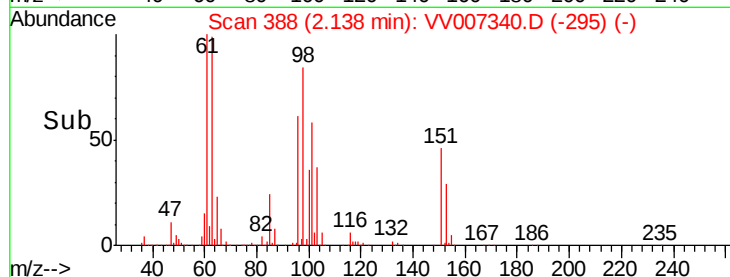
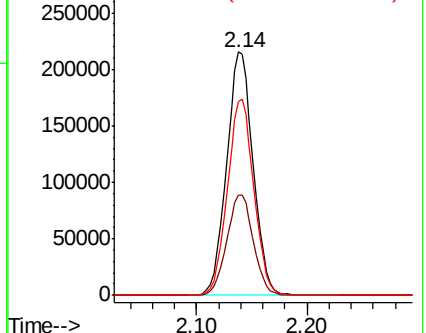
151 80.2 64.5 96.7



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: 98.534 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

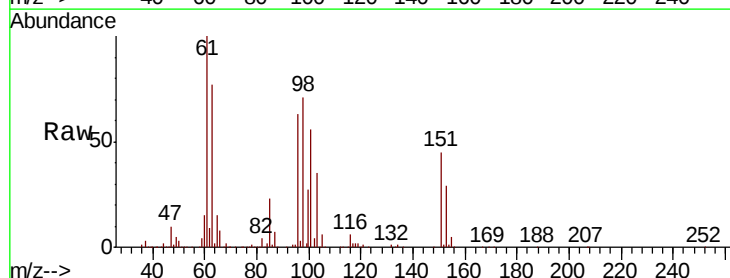
Tgt Ion: 96 Resp: 337531

Ion Ratio Lower Upper

96 100

61 159.5 108.6 201.8

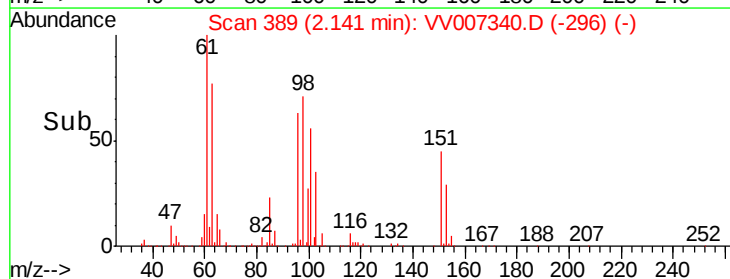
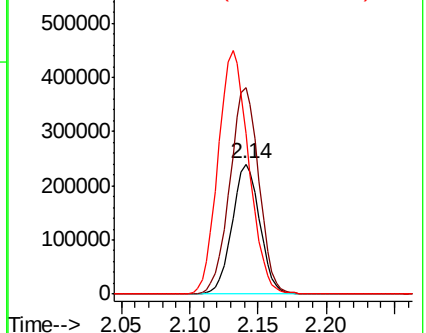
63 123.4 81.5 151.3

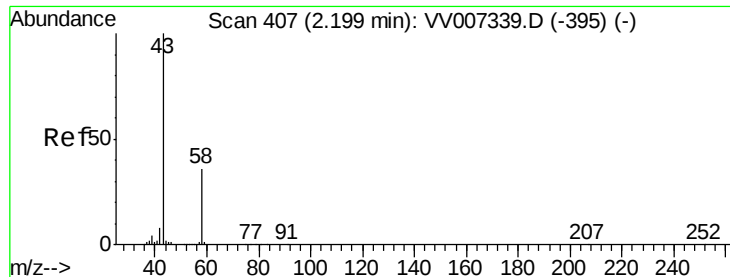


Abundance Ion 96.00 (95.70 to 96.70): VV007339.D (-377) (-)

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: 159.619 ug/L

RT: 2.20 min Scan# 408

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

Instrument :

MSVOA_V

ClientSampleId :

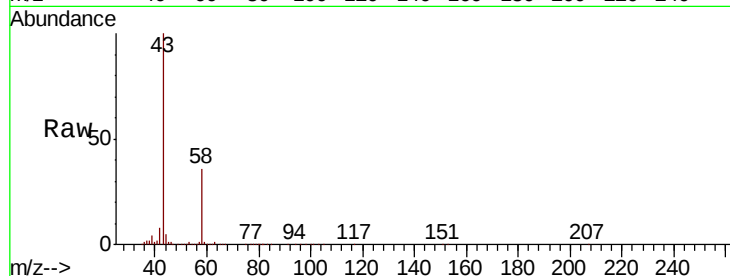
VSTD10063

Tgt Ion: 43 Resp: 351660

Ion Ratio Lower Upper

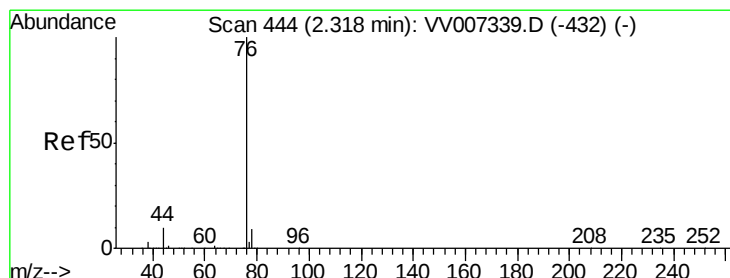
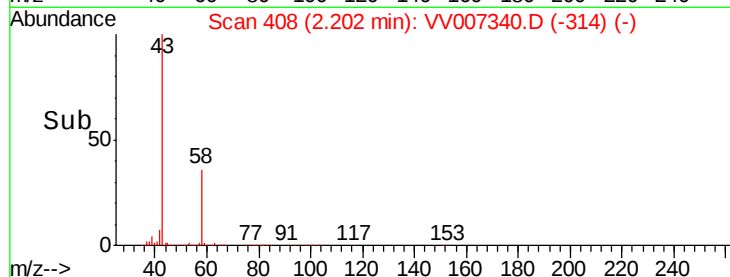
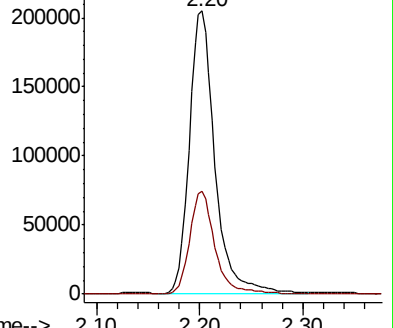
43 100

58 35.9 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) (-)



#14

Carbon disulfide

Concen: 95.155 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV007340.D

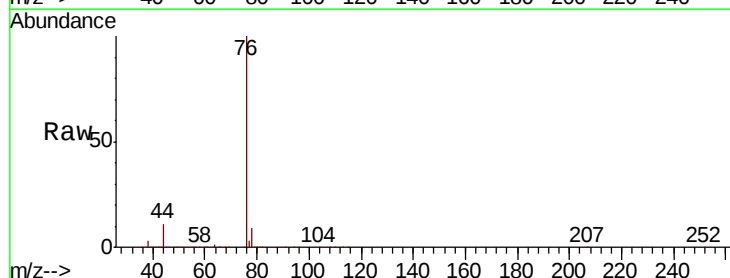
Acq: 04 Sep 2018 20:23

Tgt Ion: 76 Resp: 962525

Ion Ratio Lower Upper

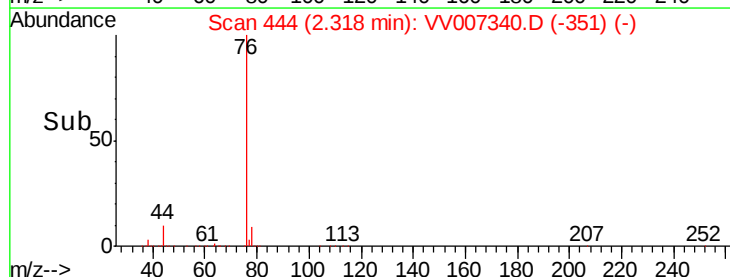
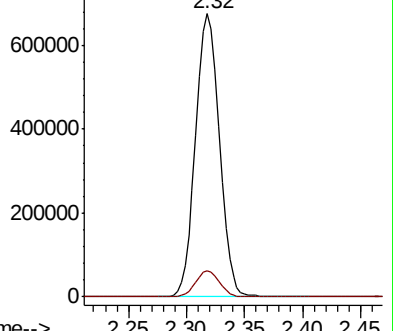
76 100

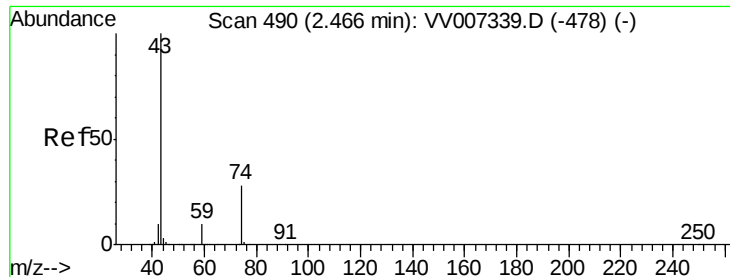
78 9.2 7.1 10.7



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

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





#15

Methyl Acetate

Concen: 99.865 ug/L

RT: 2.47 min Scan# 490

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

Instrument :

MSVOA_V

ClientSampled :

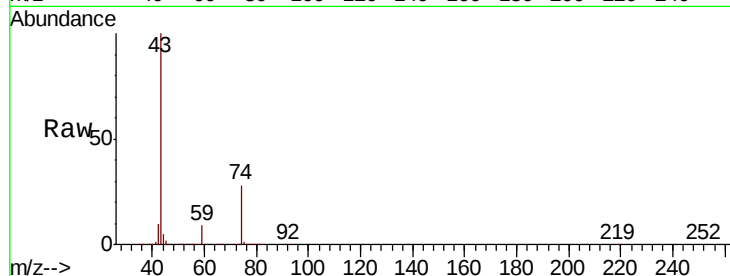
VSTD10063

Tgt Ion: 43 Resp: 396320

Ion Ratio Lower Upper

43 100

74 27.8 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VV007339.D (-478) (-)

Ion 74.00 (73.70 to 74.70): VV007339.D (-478) (-)

2.47

250000

200000

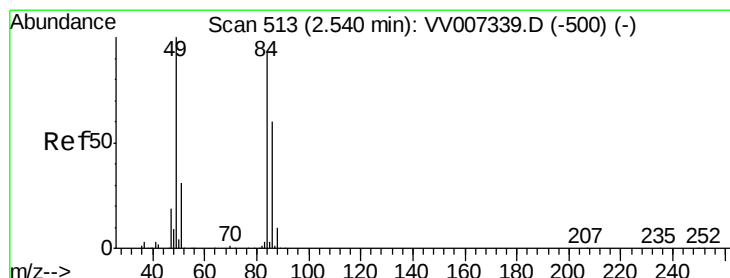
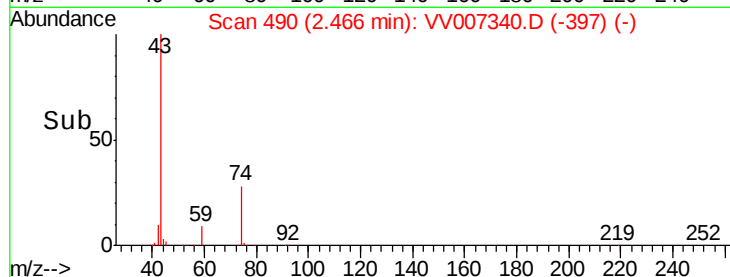
150000

100000

50000

0

Time-->



#16

Methylene chloride

Concen: 95.177 ug/L

RT: 2.54 min Scan# 513

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

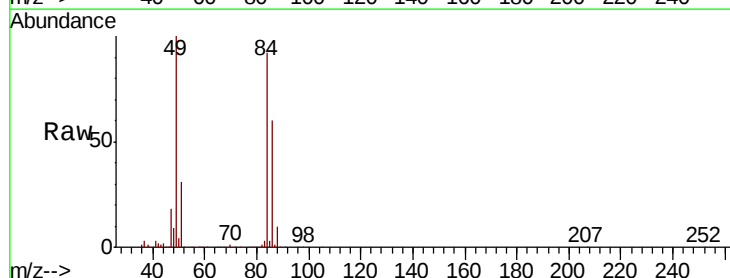
Tgt Ion: 84 Resp: 392559

Ion Ratio Lower Upper

84 100

86 64.8 45.3 84.1

49 108.8 75.6 140.4



Abundance Ion 84.00 (83.70 to 84.70): VV007339.D (-500) (-)

Ion 86.00 (85.70 to 86.70): VV007339.D (-500) (-)

Ion 49.00 (48.70 to 49.70): VV007339.D (-500) (-)

2.54

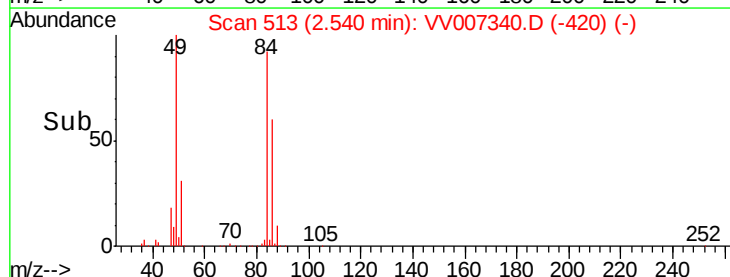
300000

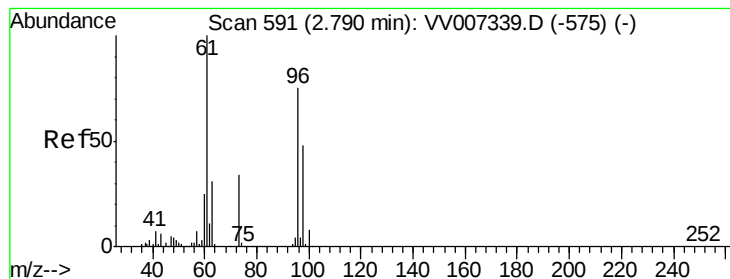
200000

100000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 97.578 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

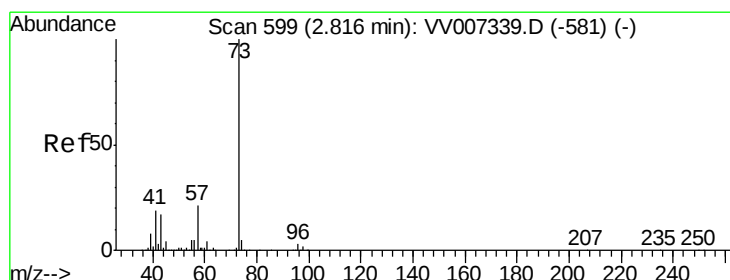
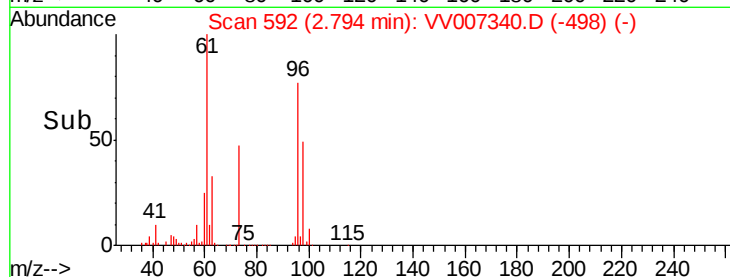
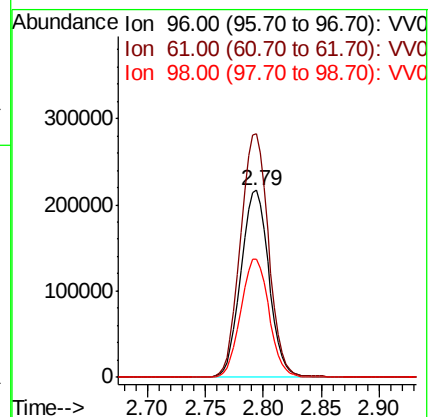
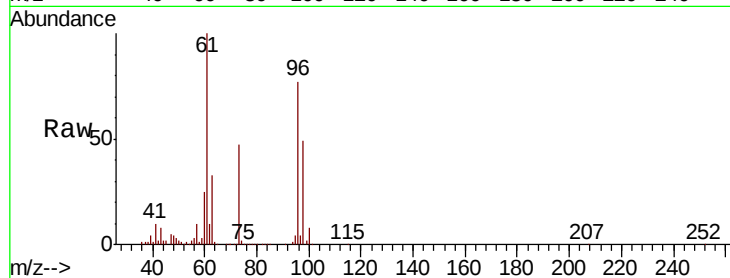
Tgt Ion: 96 Resp: 365292

Ion Ratio Lower Upper

96 100

61 130.1 93.1 172.9

98 63.5 44.9 83.5



#18

Methyl tert-butyl Ether

Concen: 100.684 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

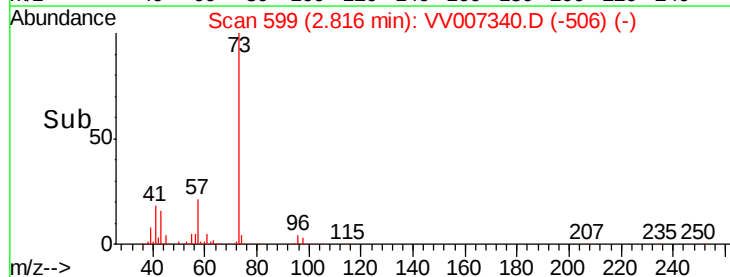
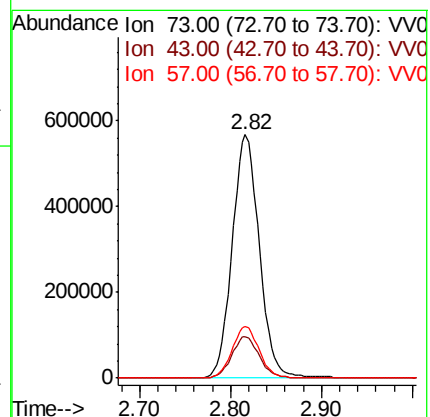
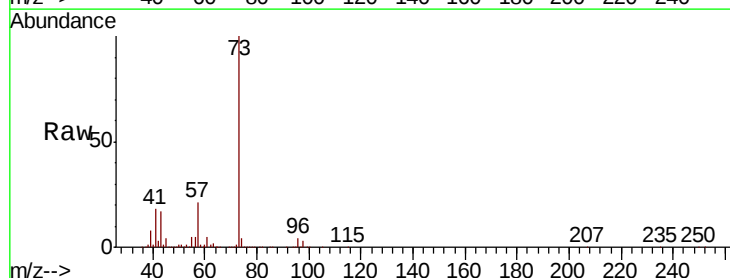
Tgt Ion: 73 Resp: 1178007

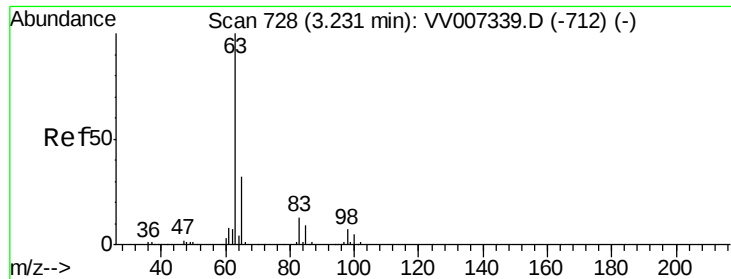
Ion Ratio Lower Upper

73 100

43 17.1 13.4 20.2

57 21.3 17.0 25.4

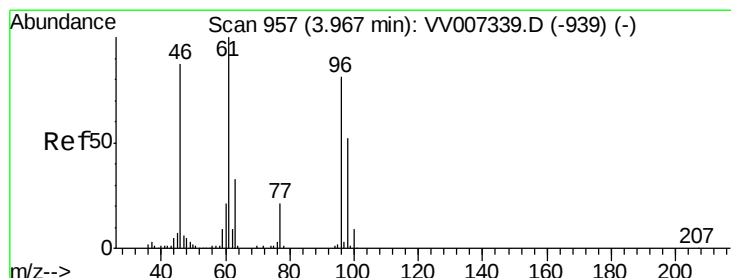
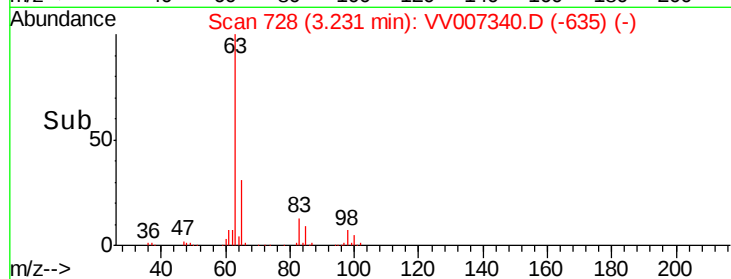
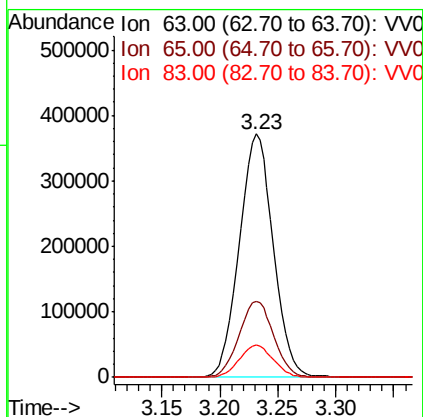
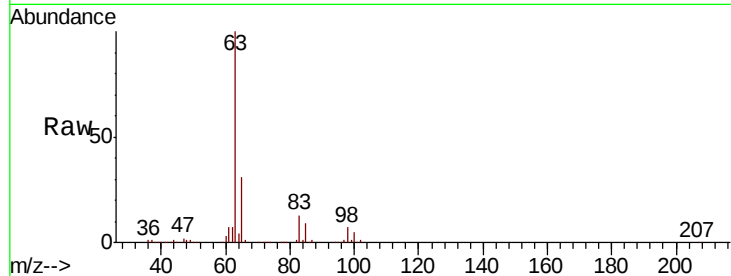




#19
 1,1-Dichloroethane
 Concen: 99.090 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV007340.D
 Acq: 04 Sep 2018 20:23

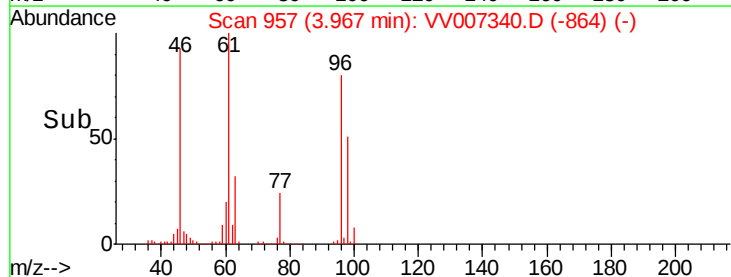
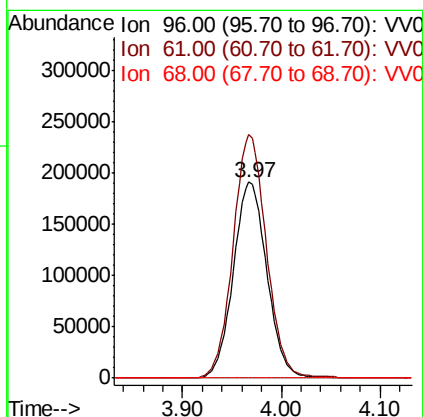
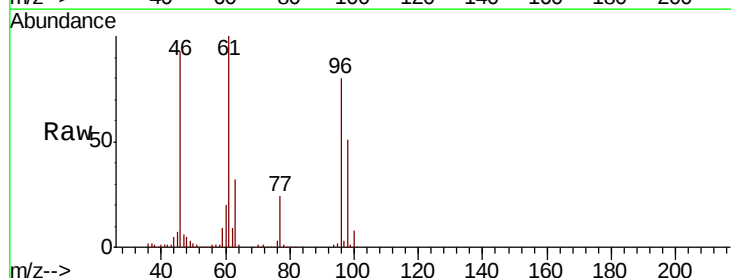
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10063

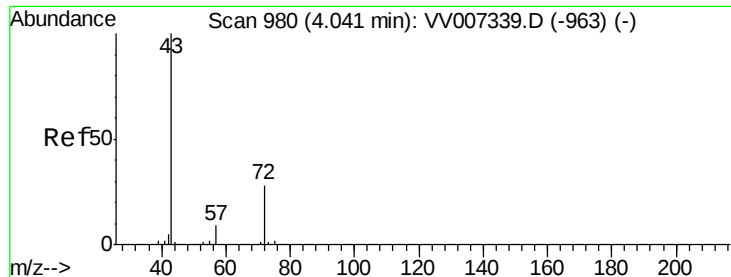
Tgt Ion: 63 Resp: 756709
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.5 41.9
 83 13.2 9.0 16.8



#20
 cis-1,2-Dichloroethene
 Concen: 103.213 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV007340.D
 Acq: 04 Sep 2018 20:23

Tgt Ion: 96 Resp: 450906
 Ion Ratio Lower Upper
 96 100
 61 124.4 86.8 161.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 197.169 ug/L

RT: 4.04 min Scan# 981

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

Instrument :

MSVOA_V

ClientSampled :

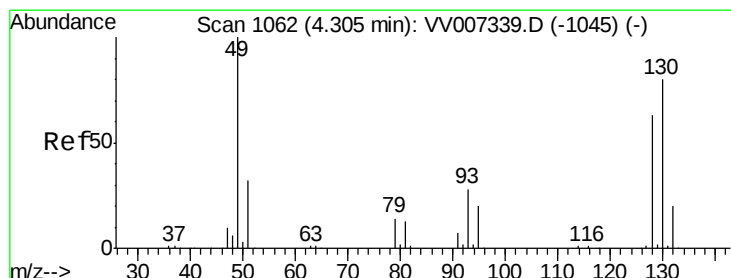
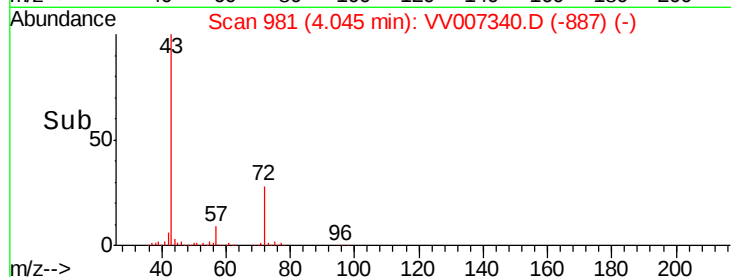
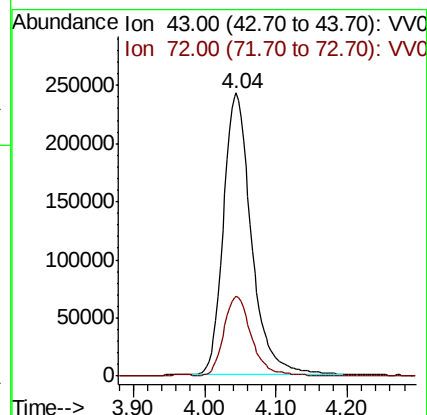
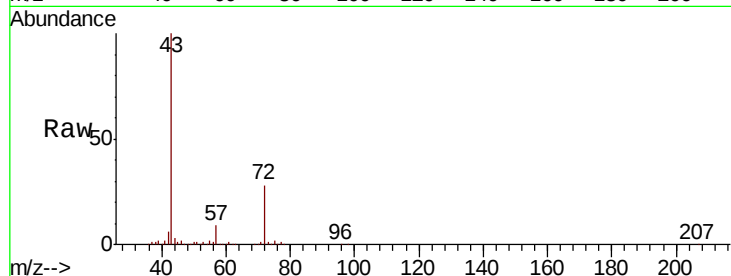
VSTD10063

Tgt Ion: 43 Resp: 658328

Ion Ratio Lower Upper

43 100

72 28.0 13.8 41.3



#23

Bromochloromethane

Concen: 99.743 ug/L

RT: 4.30 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

Tgt Ion: 128 Resp: 224893

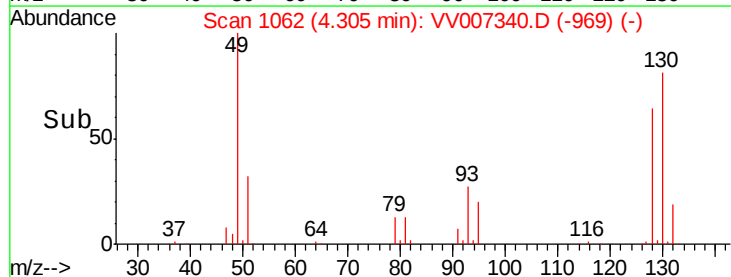
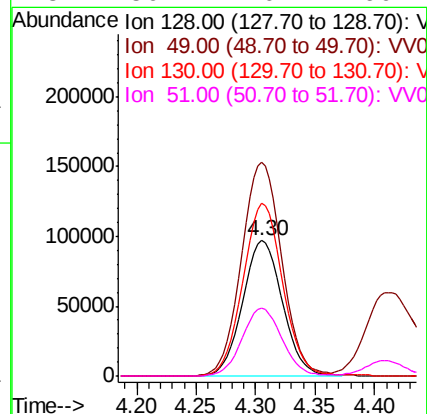
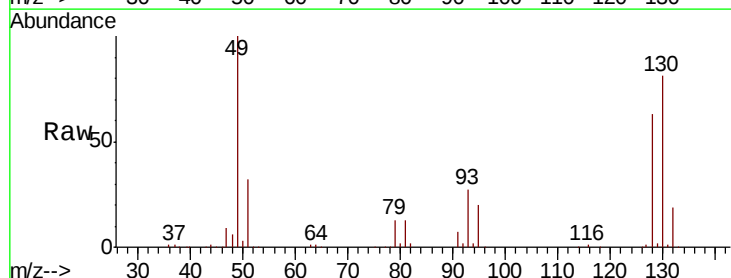
Ion Ratio Lower Upper

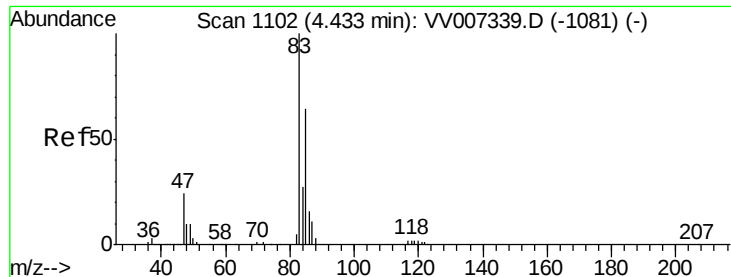
128 100

49 158.0 111.2 206.4

130 127.7 89.1 165.5

51 50.4 40.1 60.1





#25

Chloroform

Concen: 99.621 ug/L

RT: 4.44 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

Instrument :

MSVOA_V

ClientSampleId :

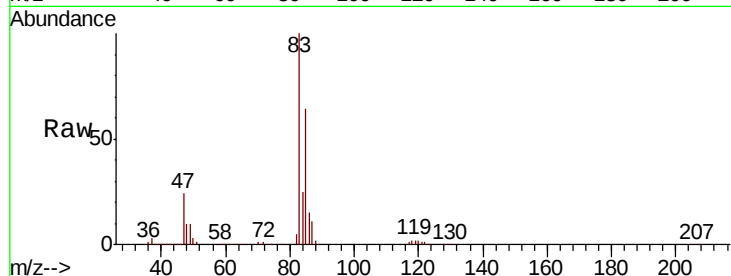
VSTD10063

Tgt Ion: 83 Resp: 760660

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) (-)

4.44

300000

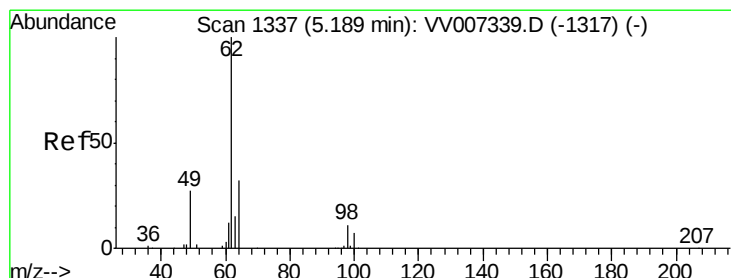
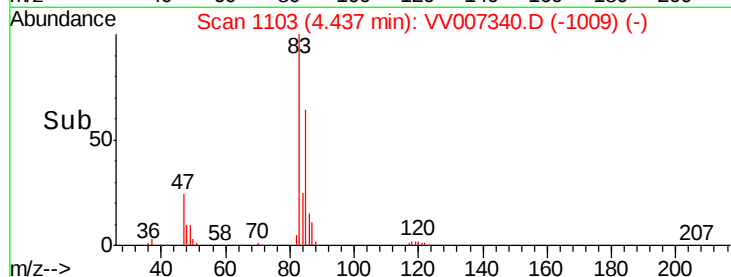
200000

100000

0

4.30 4.40 4.50 4.60

Time-->



#27

1,2-Dichloroethane

Concen: 101.721 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VV007340.D

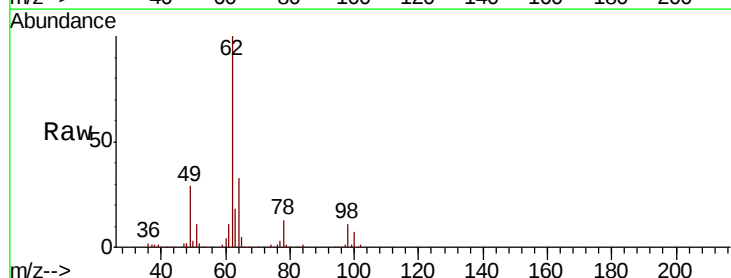
Acq: 04 Sep 2018 20:23

Tgt Ion: 62 Resp: 569404

Ion Ratio Lower Upper

62 100

98 11.1 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) (-)

5.19

300000

250000

200000

150000

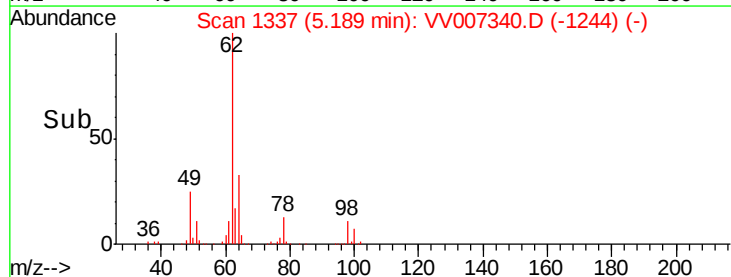
100000

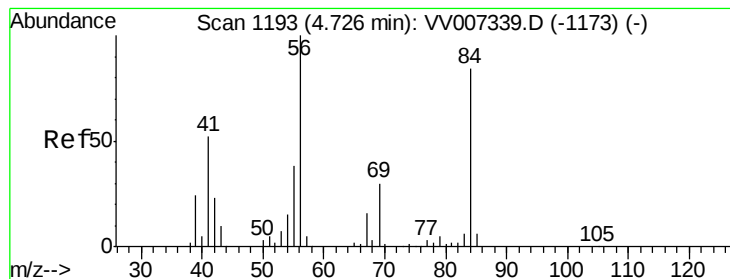
50000

0

5.10 5.20 5.30

Time-->





#29

Cyclohexane

Concen: 104.122 ug/L

RT: 4.73 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

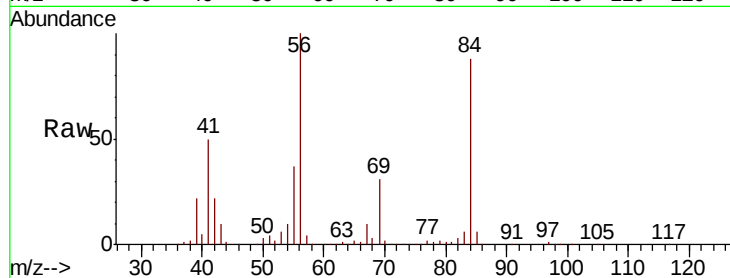
Tgt Ion: 56 Resp: 643298

Ion Ratio Lower Upper

56 100

69 31.0 24.5 36.7

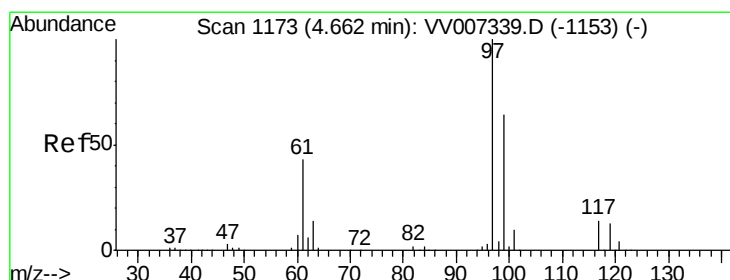
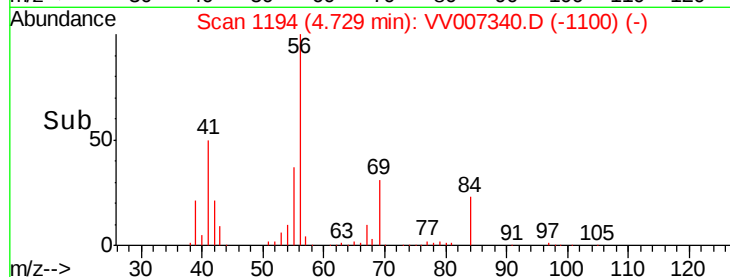
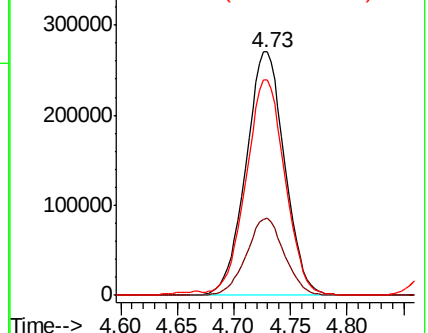
84 88.5 70.6 105.8



Abundance Ion 56.00 (55.70 to 56.70): VV007339.D (-1173) (-)

Ion 69.00 (68.70 to 69.70): VV007339.D (-1173) (-)

Ion 84.00 (83.70 to 84.70): VV007339.D (-1173) (-)



#30

1,1,1-Trichloroethane

Concen: 98.238 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

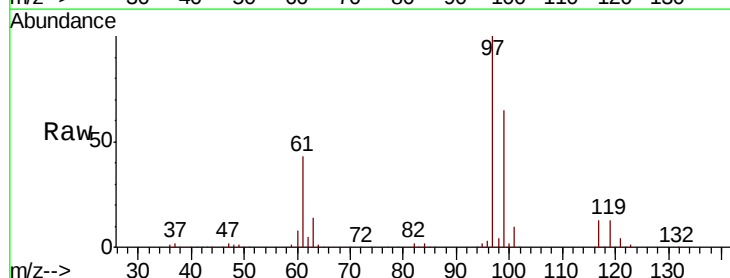
Tgt Ion: 97 Resp: 641642

Ion Ratio Lower Upper

97 100

99 64.1 52.1 78.1

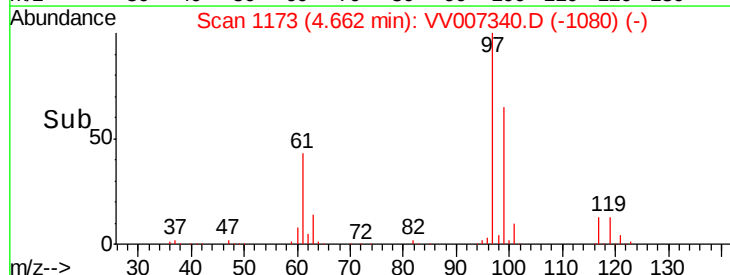
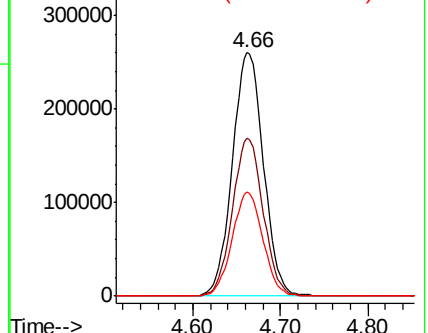
61 42.2 34.6 51.8

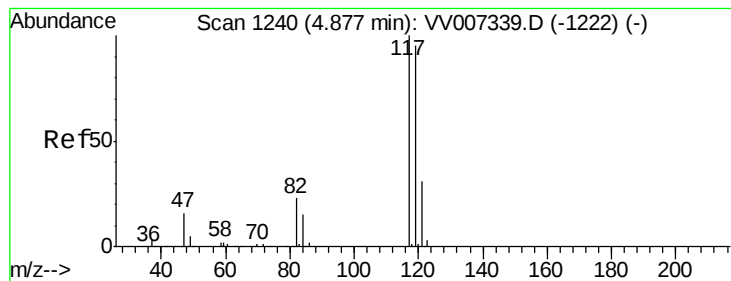


Abundance Ion 97.00 (96.70 to 97.70): VV007339.D (-1153) (-)

Ion 99.00 (98.70 to 99.70): VV007339.D (-1153) (-)

Ion 61.05 (60.75 to 61.75): VV007339.D (-1153) (-)





#31

Carbon tetrachloride

Concen: 97.529 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

Instrument :

MSVOA_V

ClientSampleId :

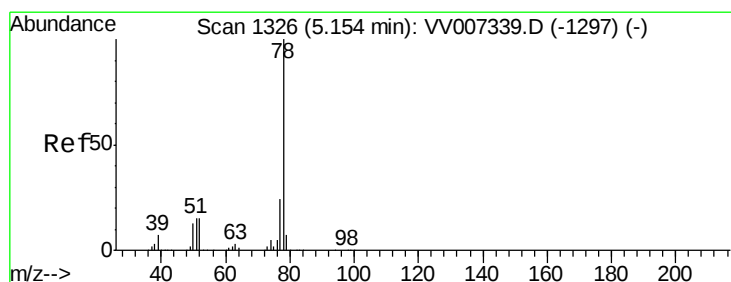
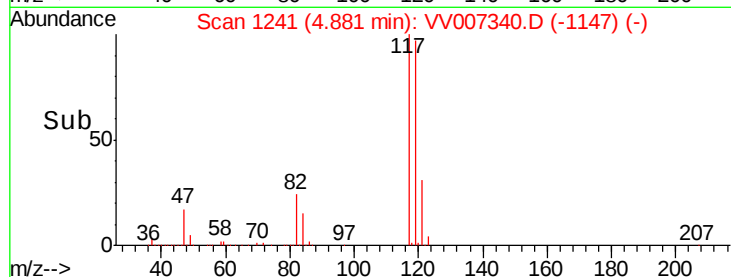
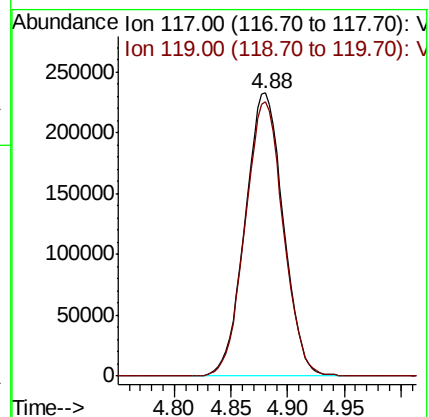
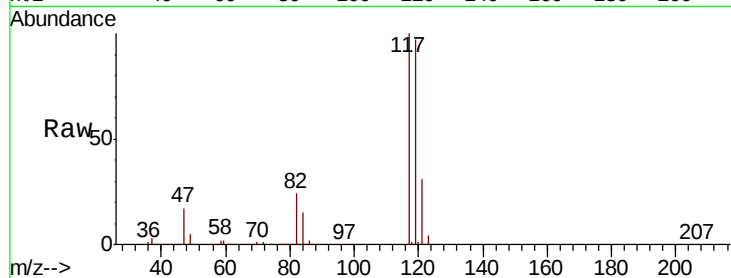
VSTD10063

Tgt Ion:117 Resp: 547318

Ion Ratio Lower Upper

117 100

119 96.8 76.7 115.1



#33

Benzene

Concen: 100.844 ug/L

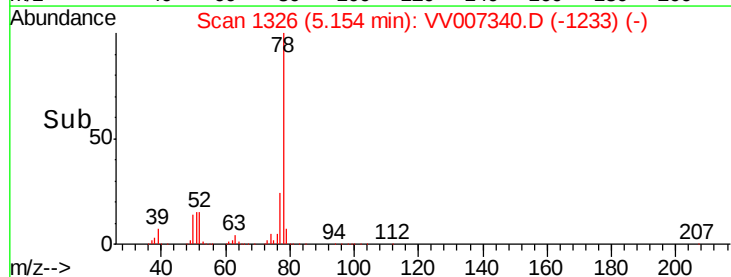
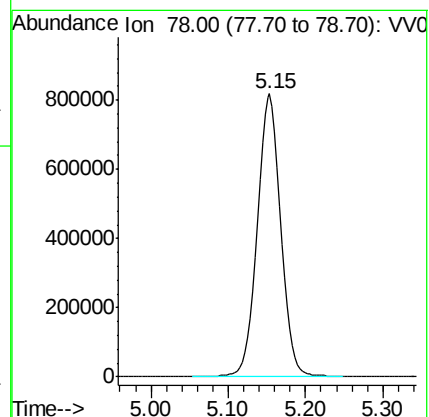
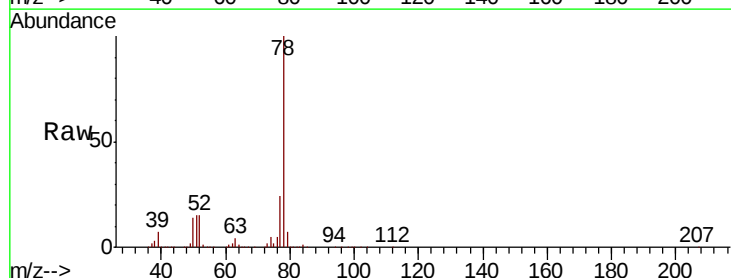
RT: 5.15 min Scan# 1326

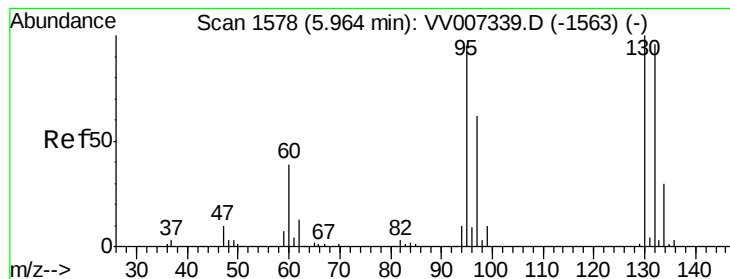
Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

Tgt Ion: 78 Resp: 1750646





#34

Trichloroethene

Concen: 96.807 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

Tgt Ion: 95 Resp: 410388

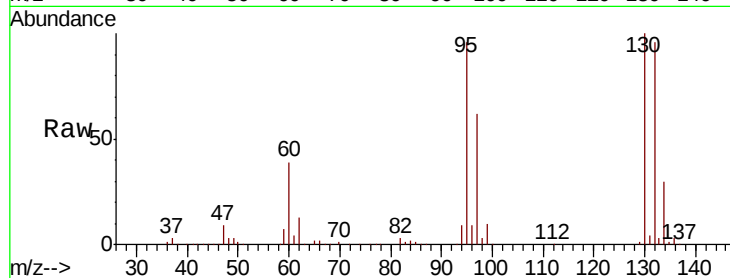
Ion Ratio Lower Upper

95 100

97 64.9 46.1 85.7

132 100.1 70.8 131.6

130 104.0 73.9 137.3

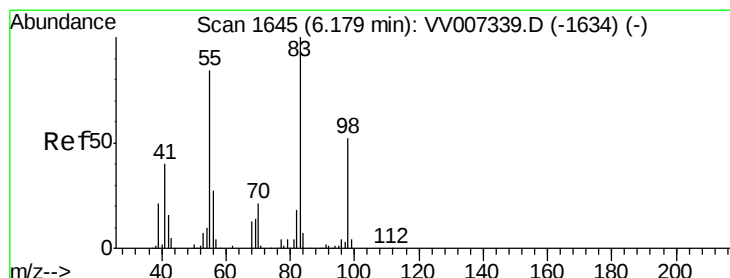
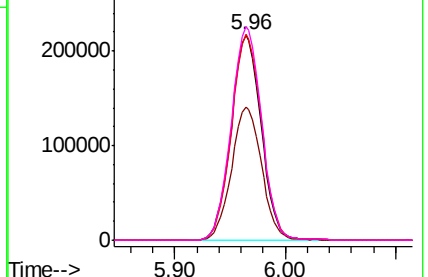
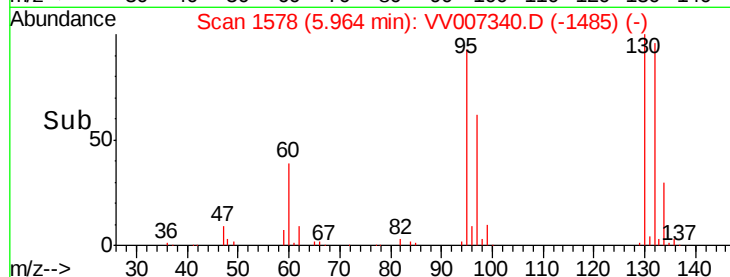


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 106.770 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

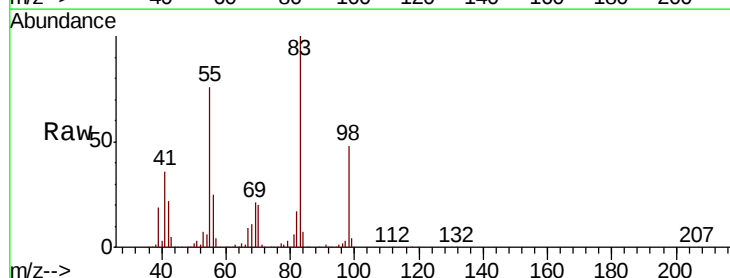
Tgt Ion: 83 Resp: 698925

Ion Ratio Lower Upper

83 100

55 76.3 63.0 94.4

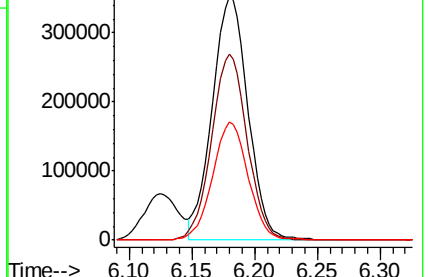
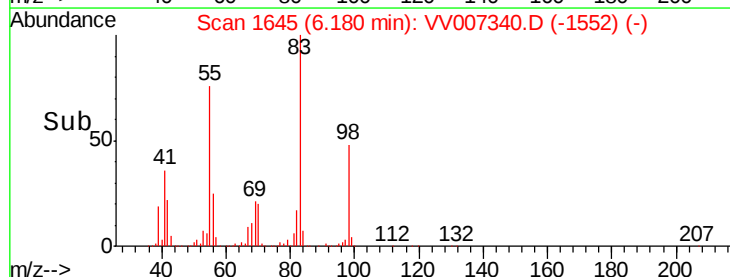
98 48.8 39.0 58.6

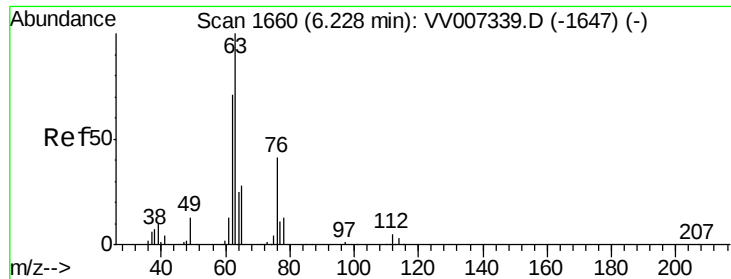


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

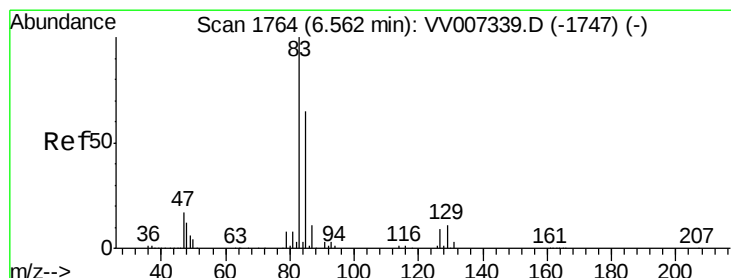
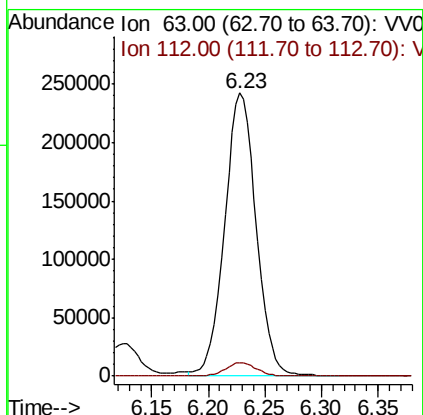
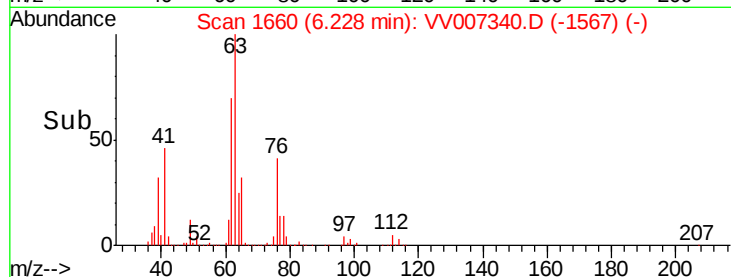
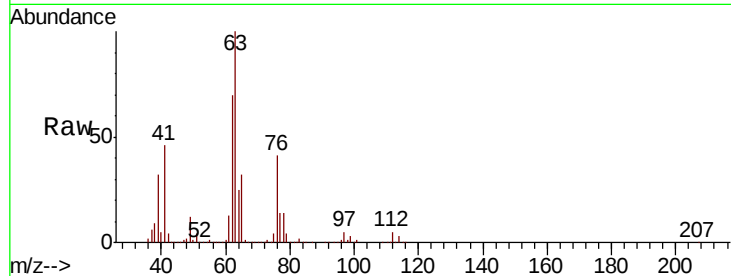




#37
 1,2-Dichloropropane
 Concen: 101.836 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV007340.D
 Acq: 04 Sep 2018 20:23

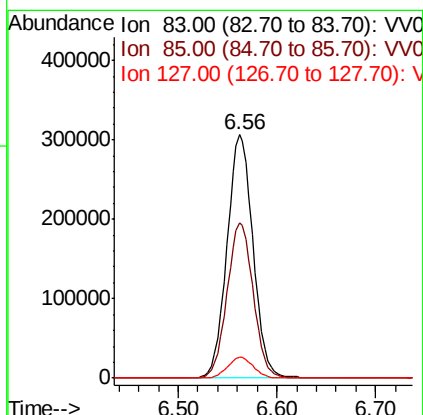
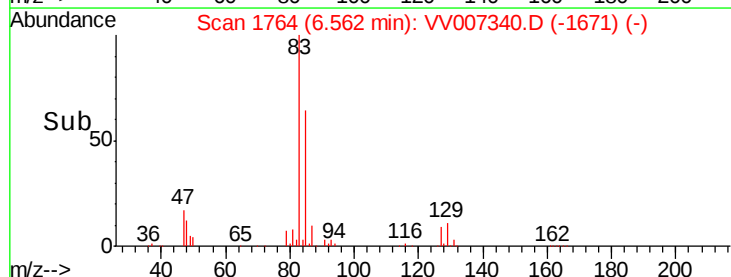
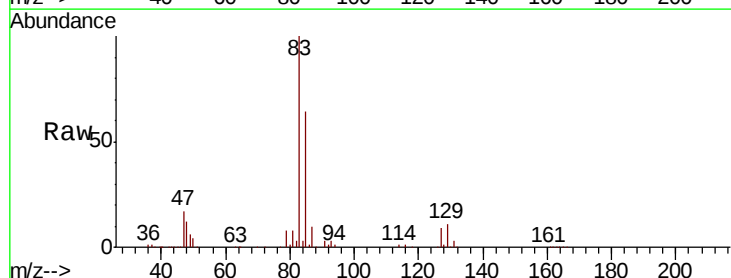
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD10063

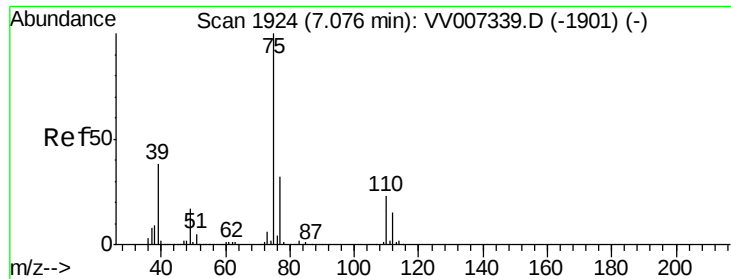
Tgt Ion: 63 Resp: 468475
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.8



#38
 Bromodichloromethane
 Concen: 99.052 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV007340.D
 Acq: 04 Sep 2018 20:23

Tgt Ion: 83 Resp: 564590
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.1 83.9
 127 8.6 6.9 10.3

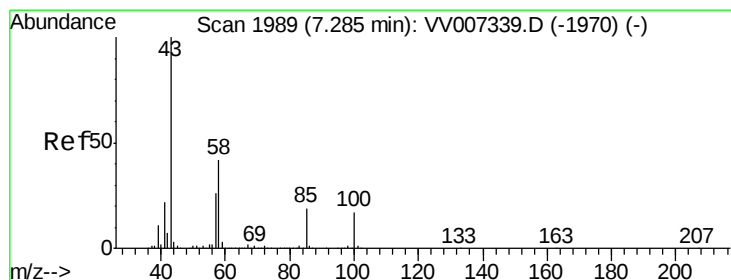
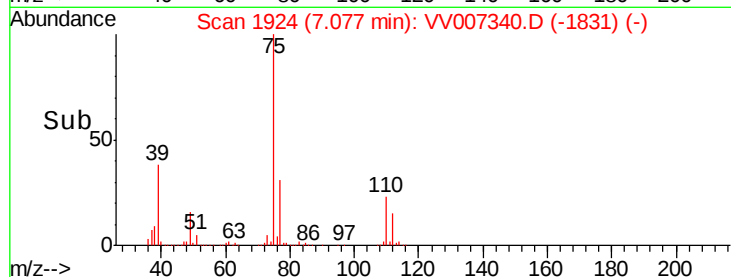
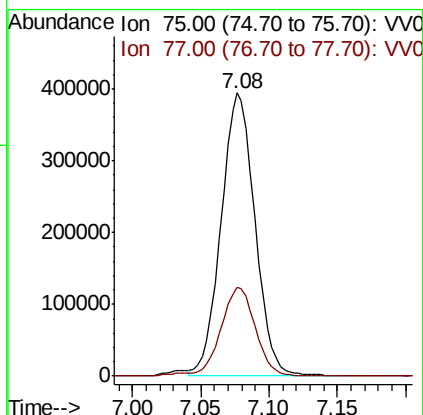
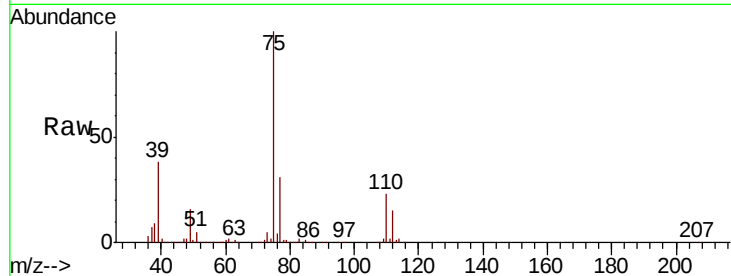




#39
 cis-1,3-Dichloropropene
 Concen: 101.623 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007340.D
 Acq: 04 Sep 2018 20:23

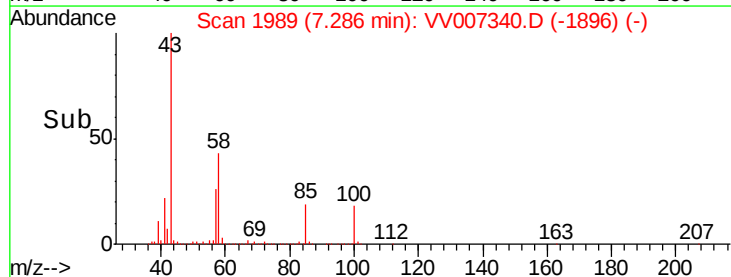
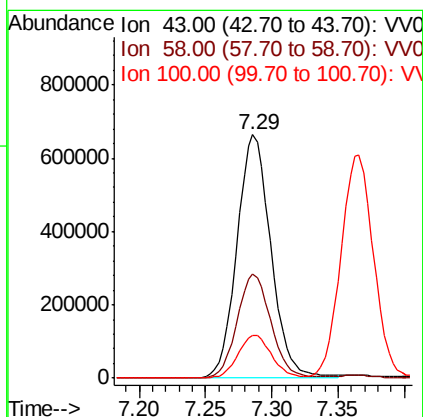
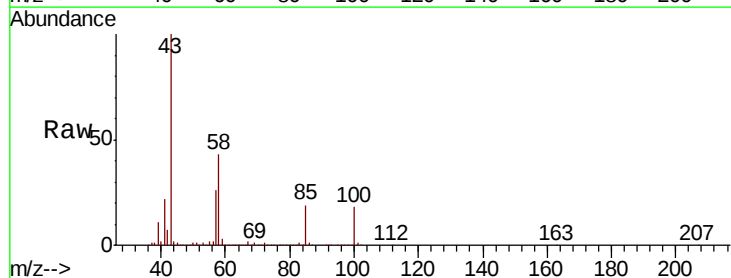
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10063

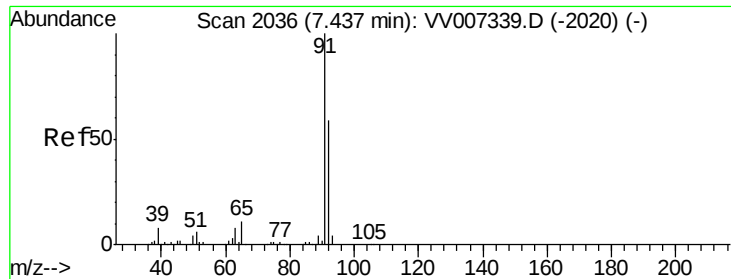
Tgt Ion: 75 Resp: 671045
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 214.028 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV007340.D
 Acq: 04 Sep 2018 20:23

Tgt Ion: 43 Resp: 1181681
 Ion Ratio Lower Upper
 43 100
 58 42.6 32.9 49.3
 100 17.4 13.3 19.9





#42

Toluene

Concen: 105.318 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

Instrument :

MSVOA_V

ClientSampleId :

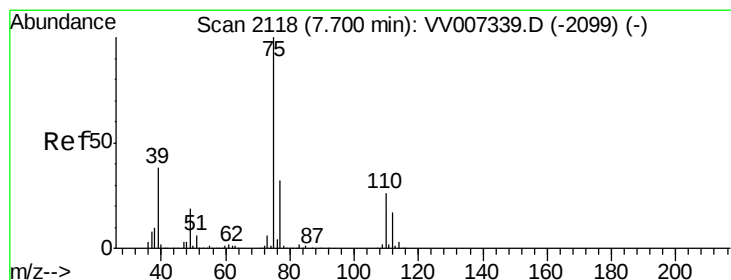
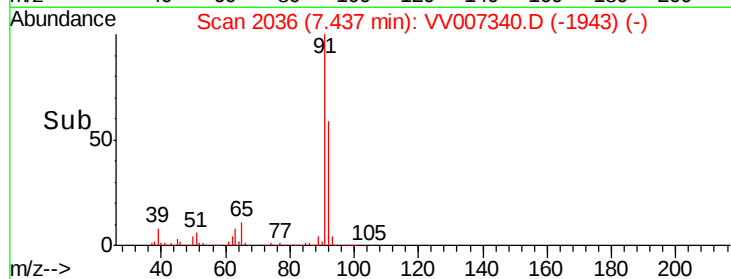
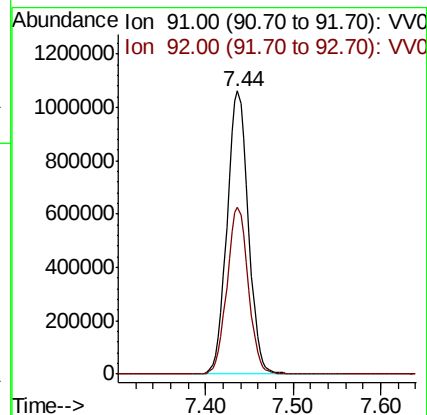
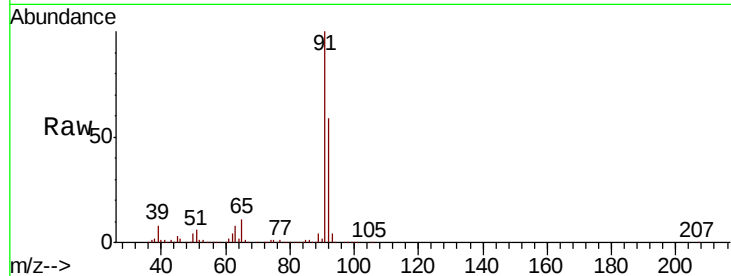
VSTD10063

Tgt Ion: 91 Resp: 1791968

Ion Ratio Lower Upper

91 100

92 59.1 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 104.321 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007340.D

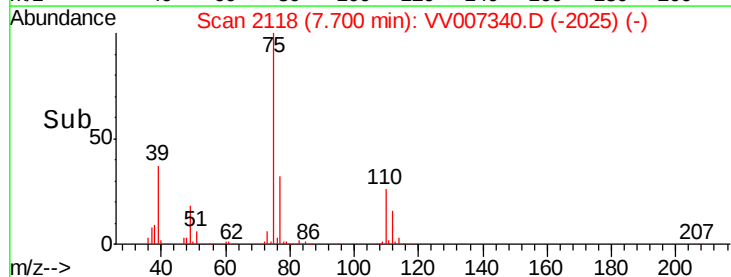
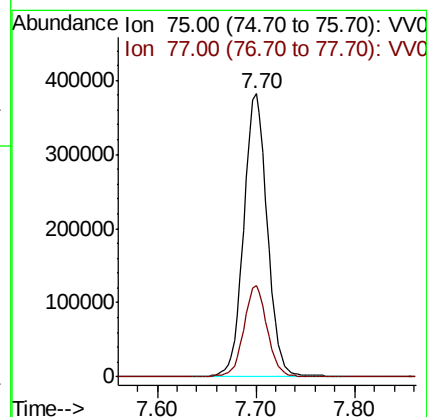
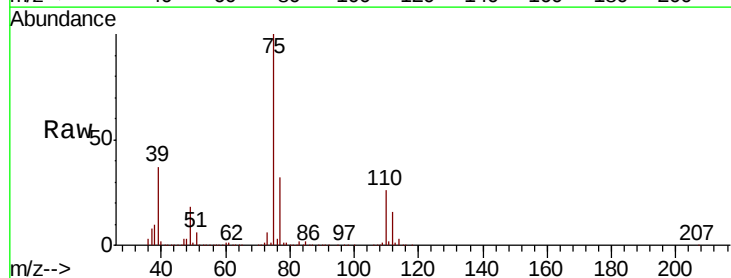
Acq: 04 Sep 2018 20:23

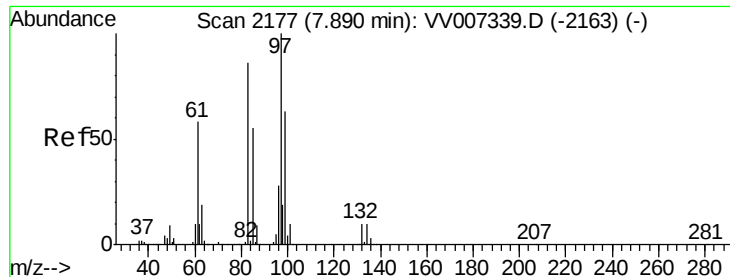
Tgt Ion: 75 Resp: 633396

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.7

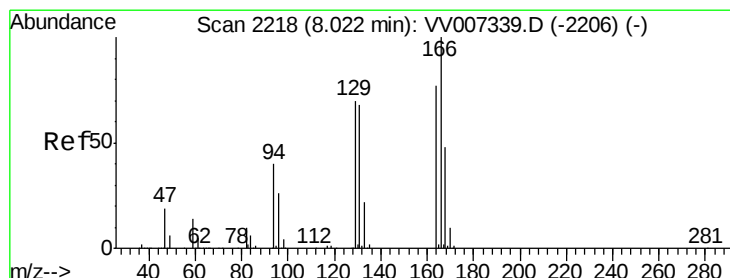
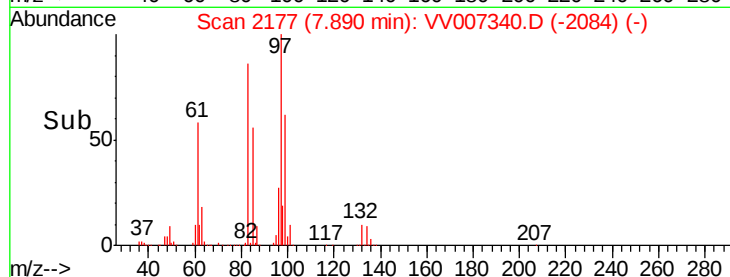
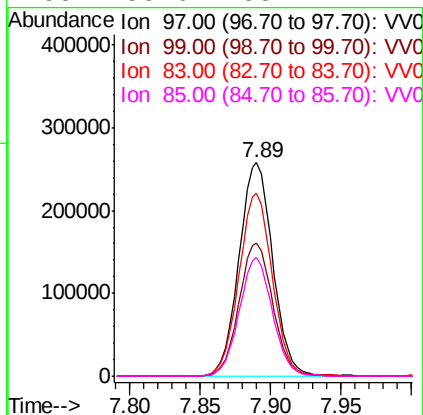
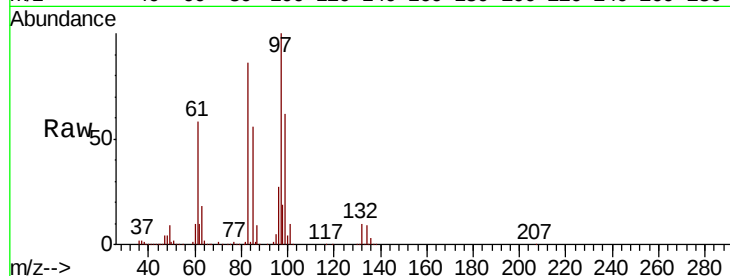




#45
 1,1,2-Trichloroethane
 Concen: 98.796 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV007340.D
 Acq: 04 Sep 2018 20:23

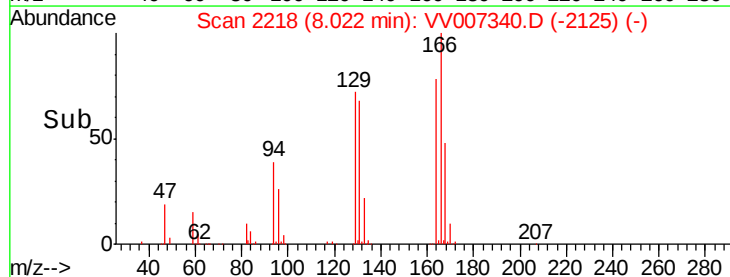
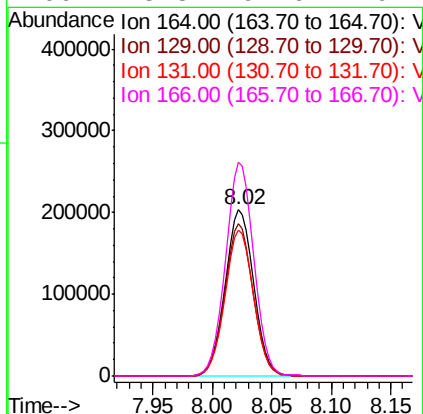
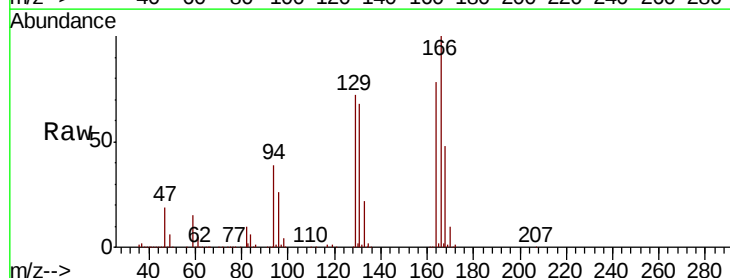
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10063

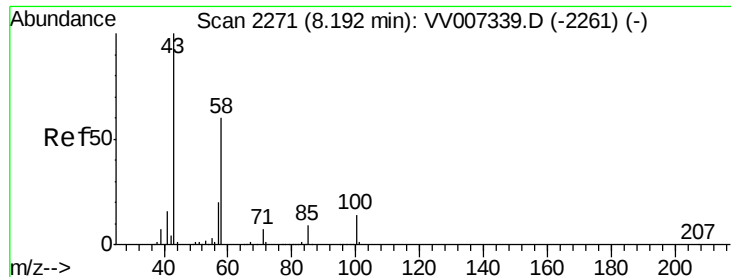
Tgt Ion:	97	Resp:	432857
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.0	81.6
83	85.8	60.1	111.5
85	55.6	38.4	71.2



#46
 Tetrachloroethene
 Concen: 99.024 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007340.D
 Acq: 04 Sep 2018 20:23

Tgt Ion:	164	Resp:	338288
Ion	Ratio	Lower	Upper
164	100		
129	92.2	63.9	118.7
131	87.9	62.6	116.2
166	128.8	91.6	170.2

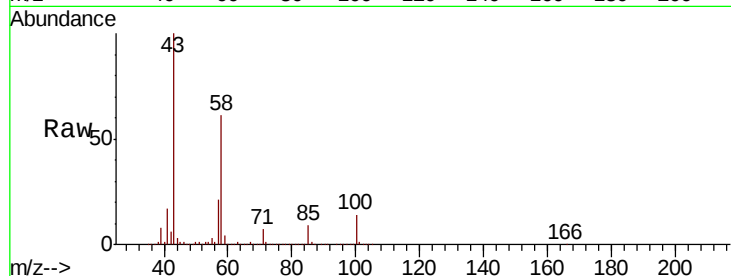




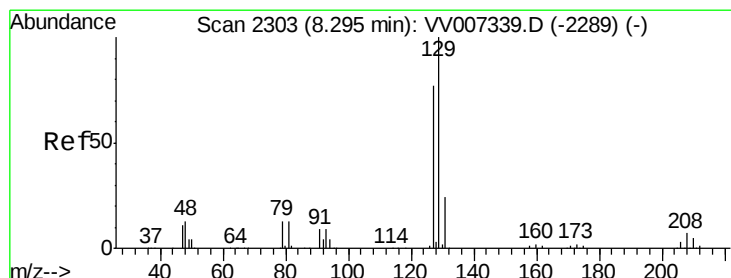
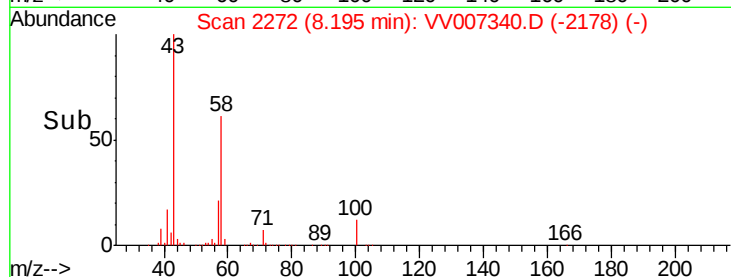
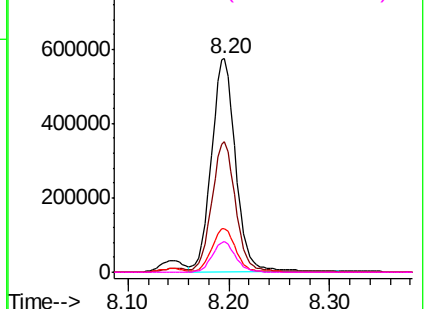
#48
2-Hexanone
Concen: 217.451 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007340.D
Acq: 04 Sep 2018 20:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD10063

Tgt Ion: 43 Resp: 951052
Ion Ratio Lower Upper
43 100
58 60.3 48.6 72.8
57 19.8 16.2 24.2
100 13.8 11.1 16.7

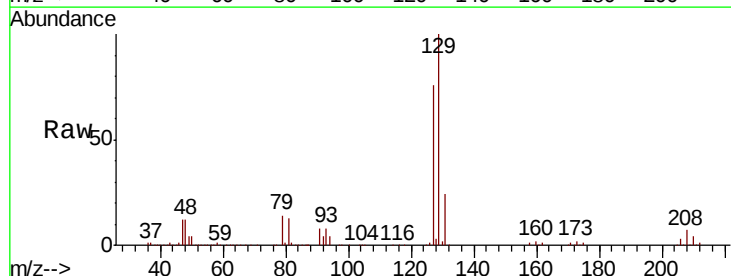


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

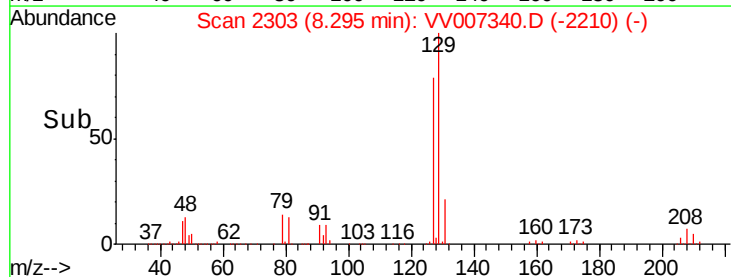
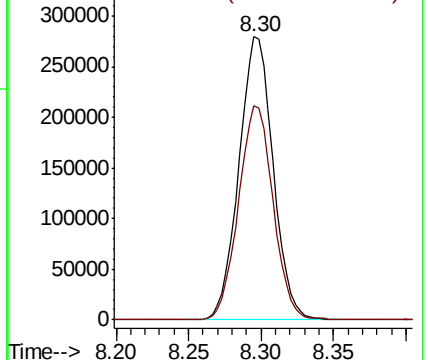


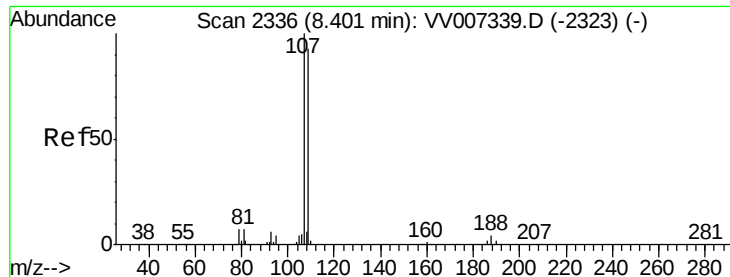
#49
Dibromochloromethane
Concen: 100.622 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007340.D
Acq: 04 Sep 2018 20:23

Tgt Ion: 129 Resp: 459184
Ion Ratio Lower Upper
129 100
127 75.8 54.0 100.4



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

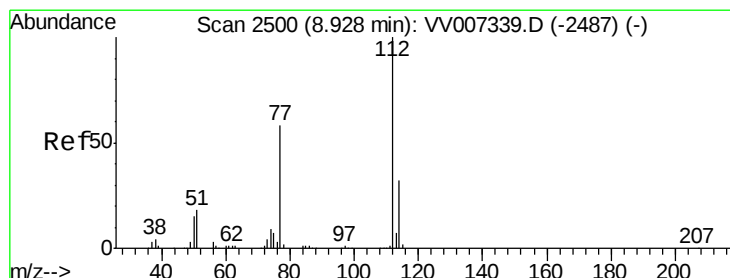
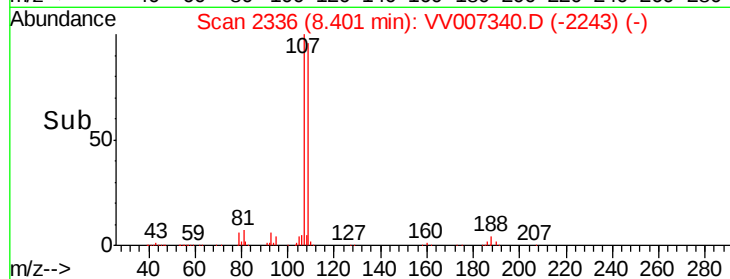
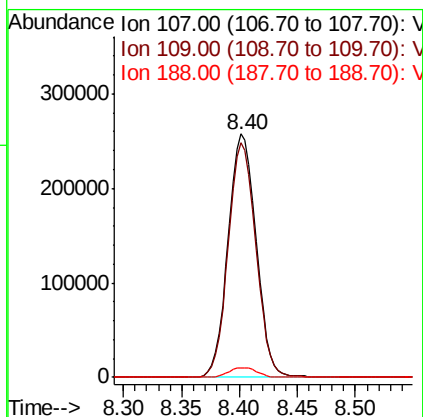
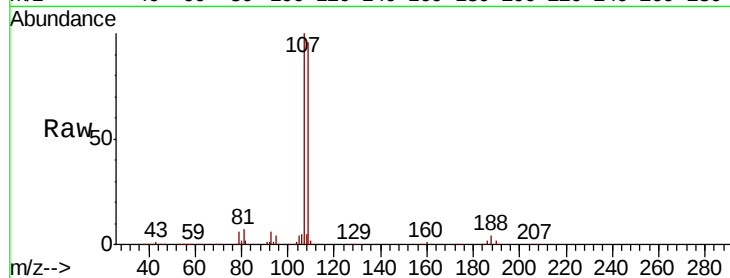




#50
1,2-Dibromoethane
Concen: 100.083 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV007340.D
Acq: 04 Sep 2018 20:23

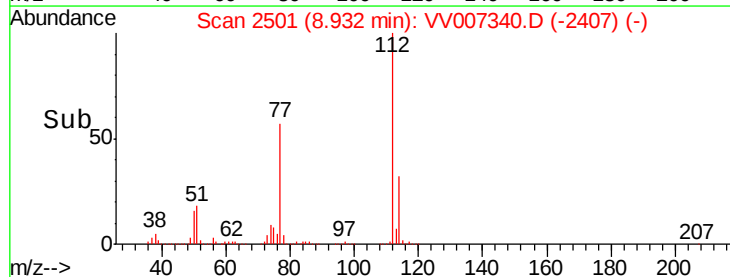
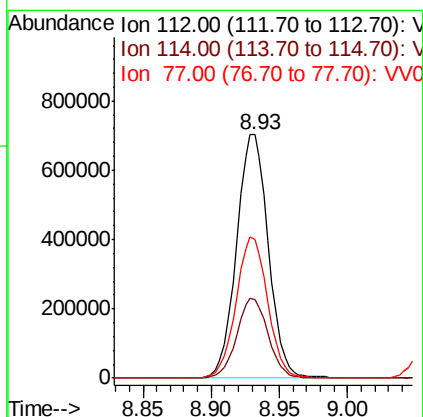
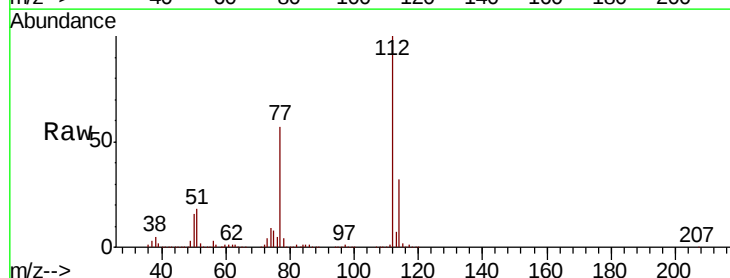
Instrument :
MSVOA_V
ClientSampleId :
VSTD10063

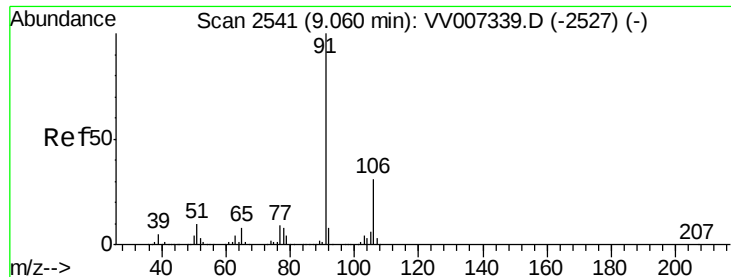
Tgt Ion:107 Resp: 432829
Ion Ratio Lower Upper
107 100
109 96.1 64.8 120.3
188 4.1 3.1 4.7



#51
Chlorobenzene
Concen: 100.337 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV007340.D
Acq: 04 Sep 2018 20:23

Tgt Ion:112 Resp: 1134390
Ion Ratio Lower Upper
112 100
114 32.3 22.5 41.7
77 56.9 46.5 69.7





#52

Ethylbenzene

Concen: 108.670 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

Instrument :

MSVOA_V

ClientSampleId :

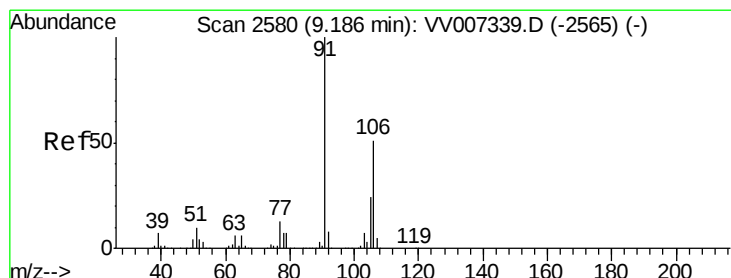
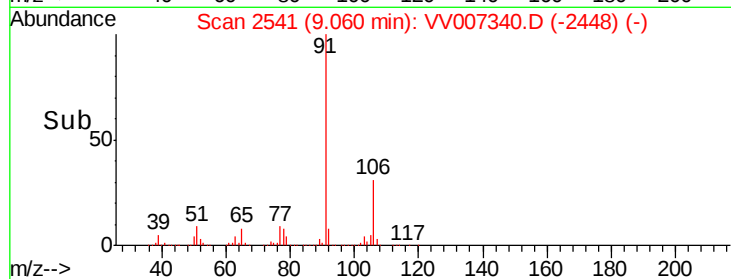
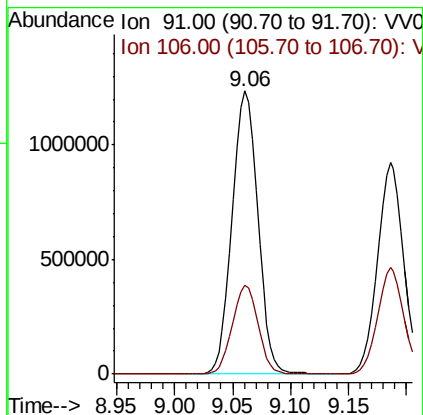
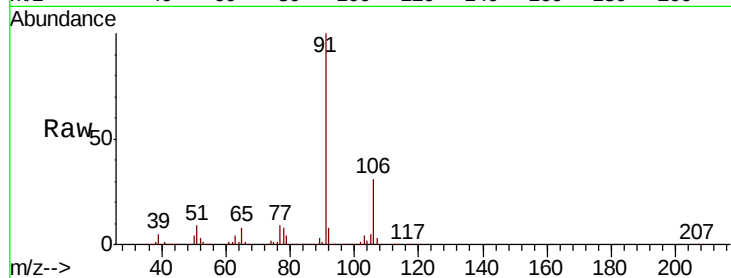
VSTD10063

Tgt Ion: 91 Resp: 1900942

Ion Ratio Lower Upper

91 100

106 31.3 21.8 40.4



#53

m,p-Xylene

Concen: 111.808 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007340.D

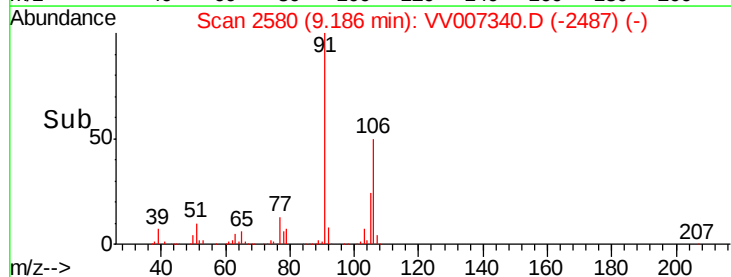
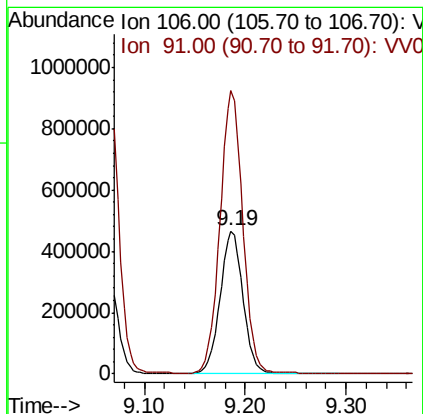
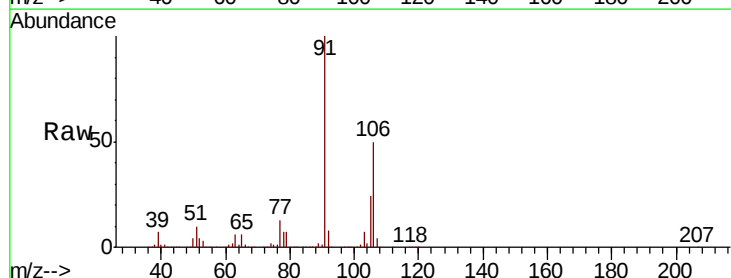
Acq: 04 Sep 2018 20:23

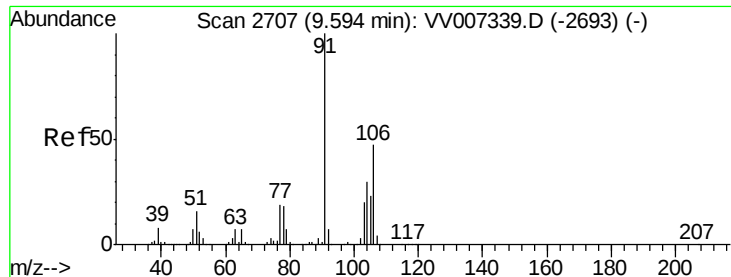
Tgt Ion: 106 Resp: 736738

Ion Ratio Lower Upper

106 100

91 198.4 138.0 256.2





#54

o-xylene

Concen: 111.260 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

Instrument :

MSVOA_V

ClientSampleId :

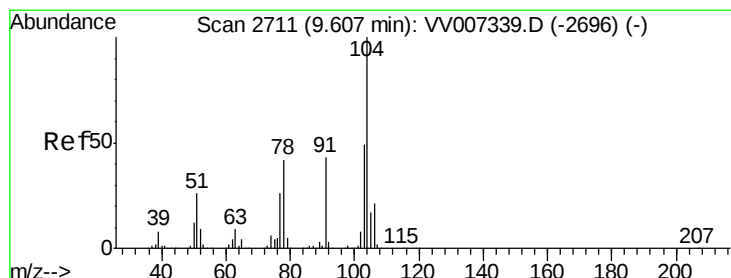
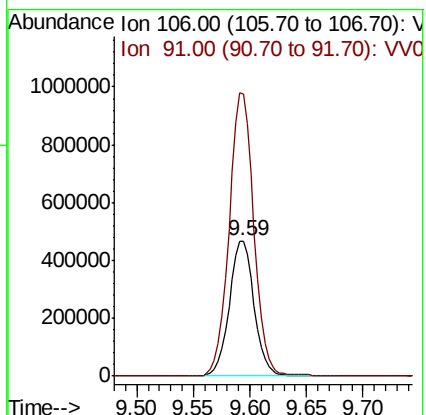
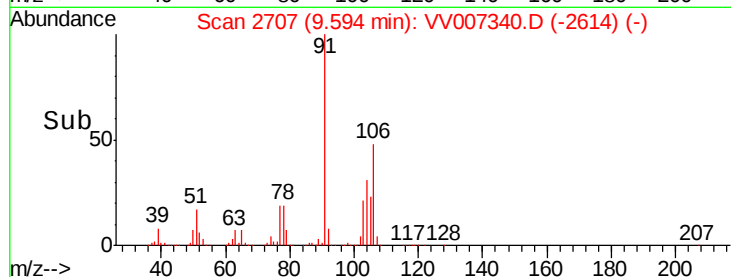
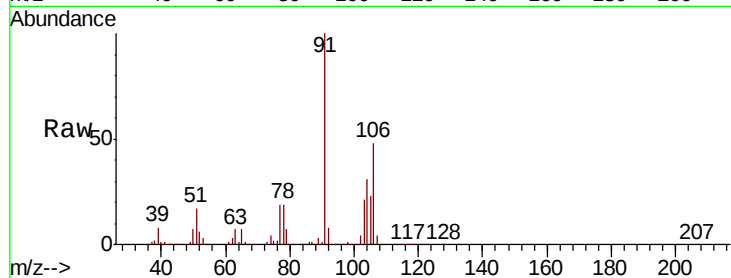
VSTD10063

Tgt Ion:106 Resp: 713778

Ion Ratio Lower Upper

106 100

91 209.5 147.6 274.2



#55

Styrene

Concen: 114.809 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. 0.00 min

Lab File: VV007340.D

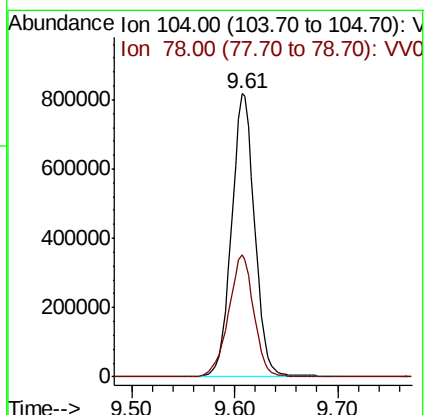
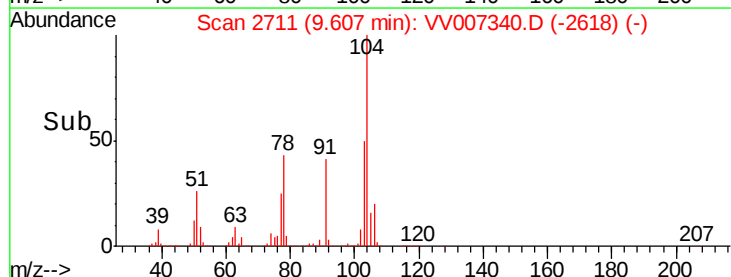
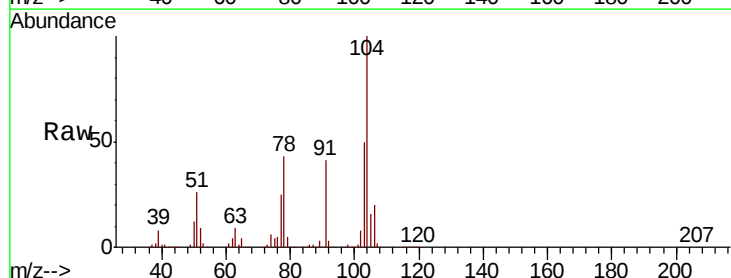
Acq: 04 Sep 2018 20:23

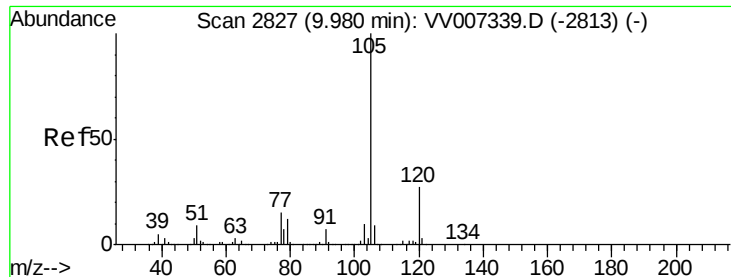
Tgt Ion:104 Resp: 1281020

Ion Ratio Lower Upper

104 100

78 43.0 29.8 55.3





#56

Isopropylbenzene

Concen: 111.972 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

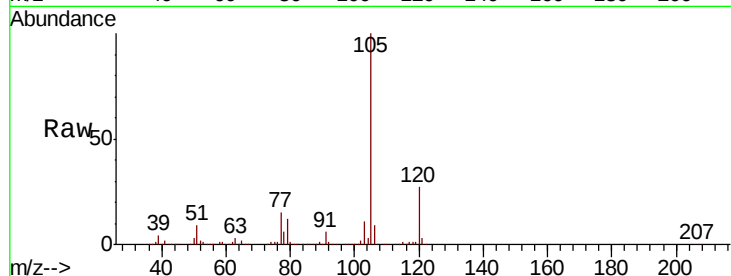
Tgt Ion:105 Resp: 1837079

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.0

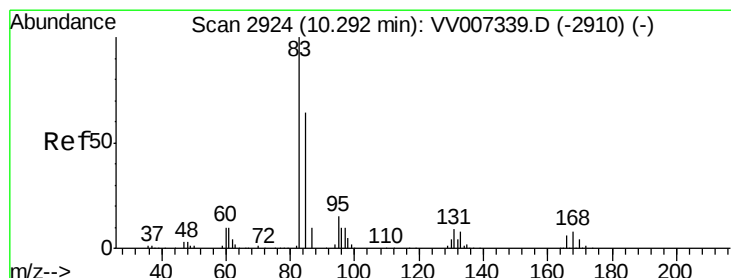
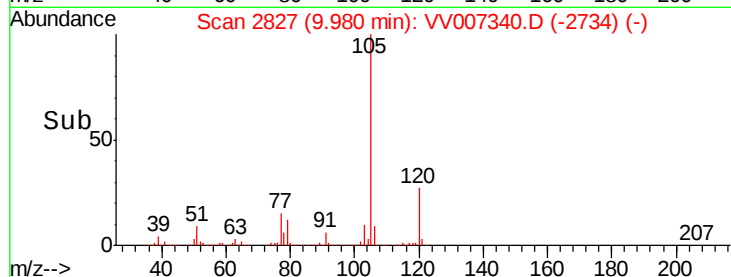
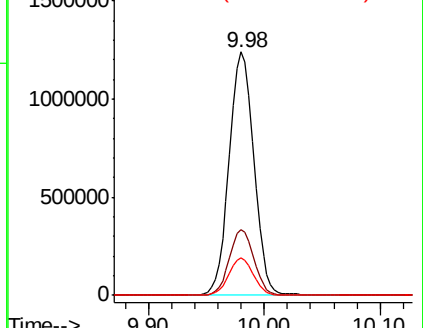
77 15.2 12.0 18.0



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: 99.577 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

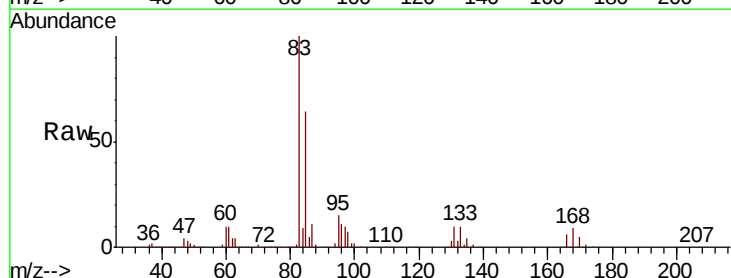
Tgt Ion: 83 Resp: 696718

Ion Ratio Lower Upper

83 100

85 64.0 44.7 82.9

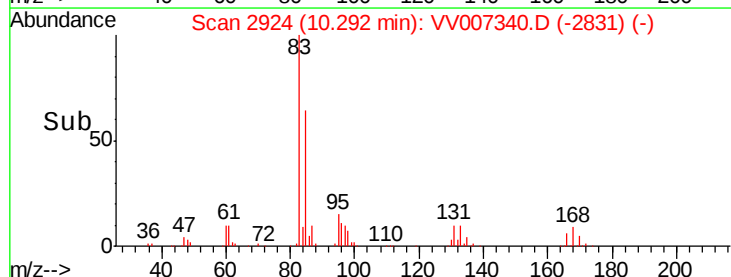
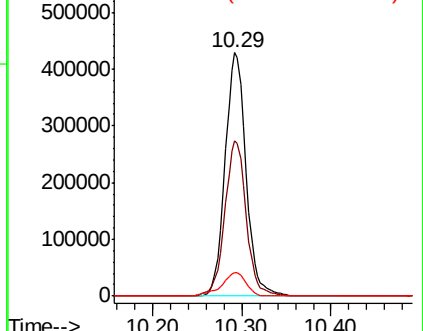
131 9.7 7.8 11.6

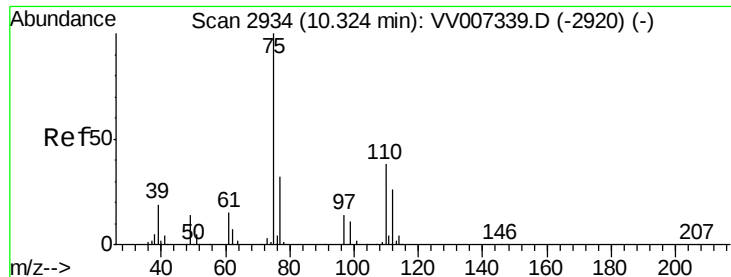


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 99.069 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

Instrument :

MSVOA_V

ClientSampleId :

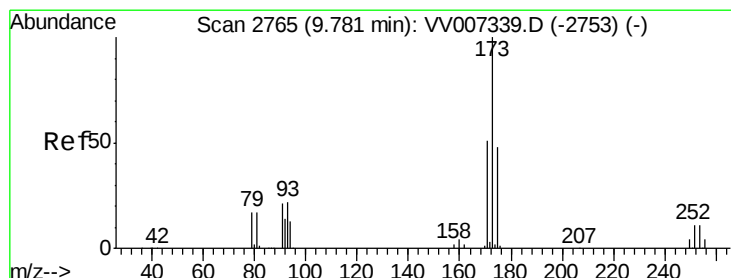
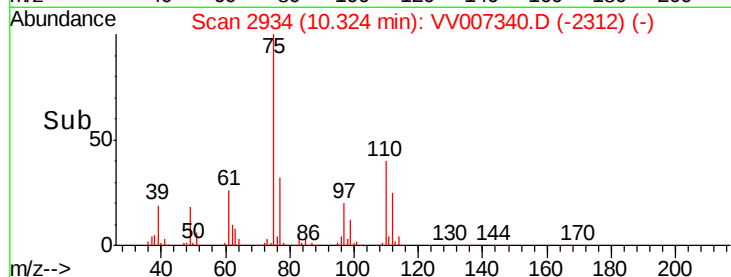
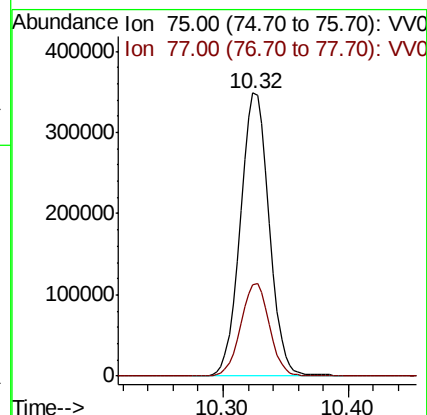
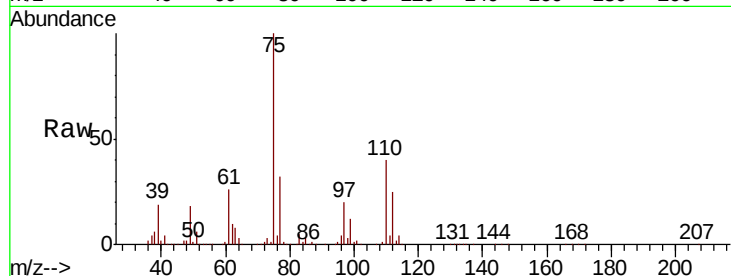
VSTD10063

Tgt Ion: 75 Resp: 556785

Ion Ratio Lower Upper

75 100

77 32.6 25.5 38.3



#61

Bromoform

Concen: 93.032 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

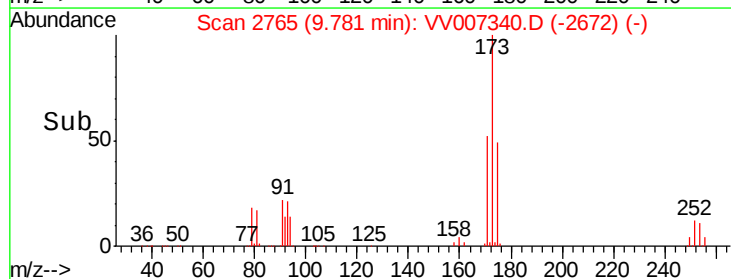
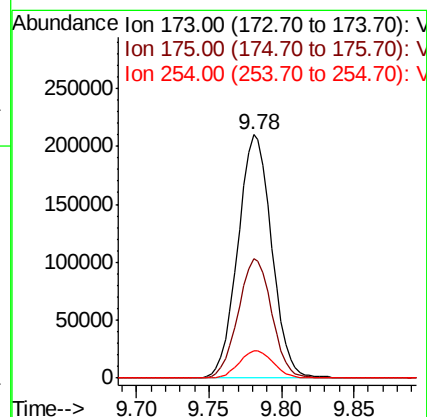
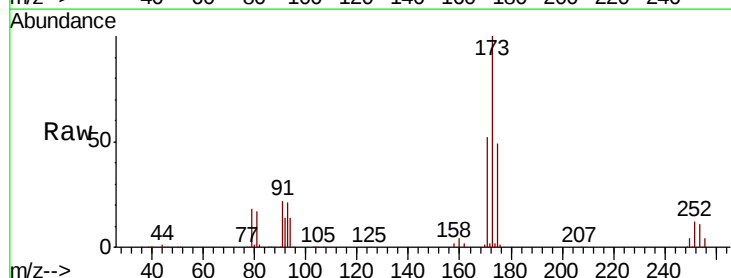
Tgt Ion: 173 Resp: 340126

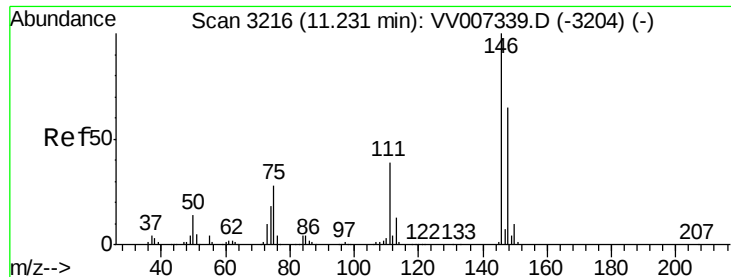
Ion Ratio Lower Upper

173 100

175 49.0 39.0 58.6

254 11.3 9.3 13.9





#62

1,3-Dichlorobenzene

Concen: 96.797 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

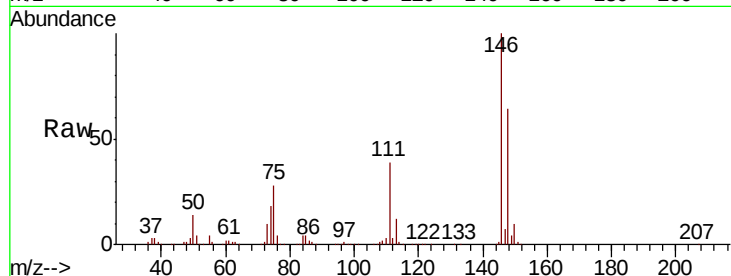
Tgt Ion:146 Resp: 828651

Ion Ratio Lower Upper

146 100

111 38.9 27.5 51.1

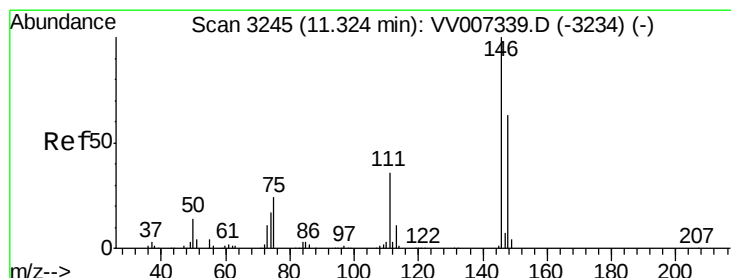
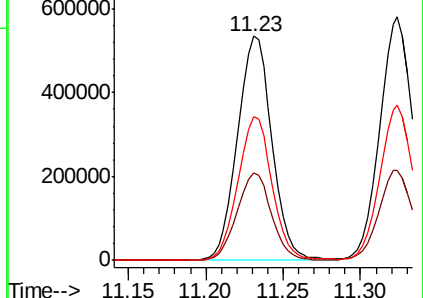
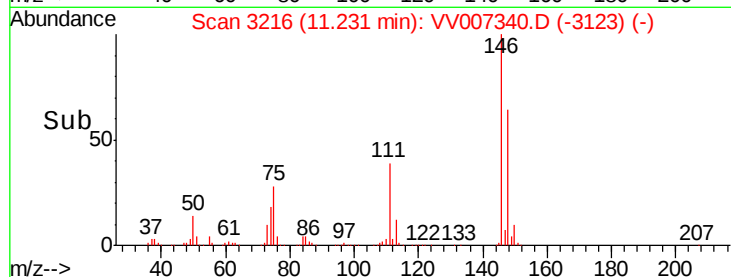
148 64.1 45.7 84.9



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: 96.616 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

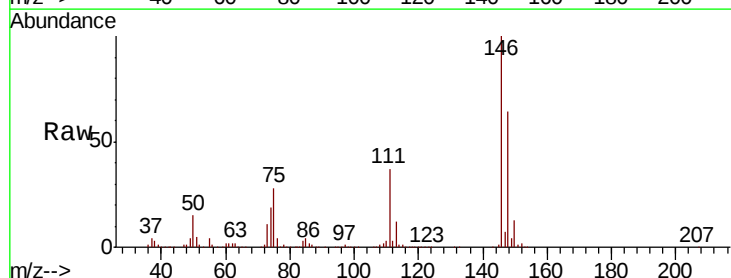
Tgt Ion:146 Resp: 887007

Ion Ratio Lower Upper

146 100

111 37.2 25.6 47.6

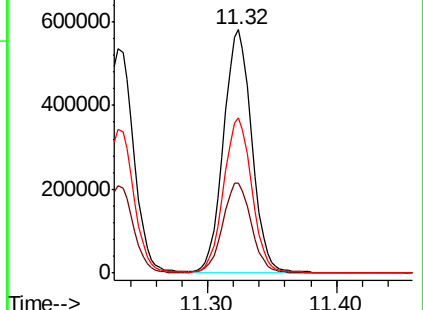
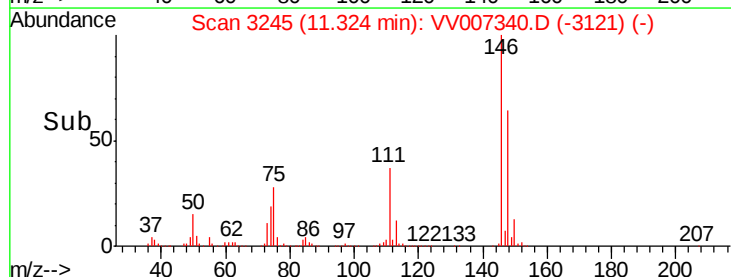
148 63.7 44.2 82.0

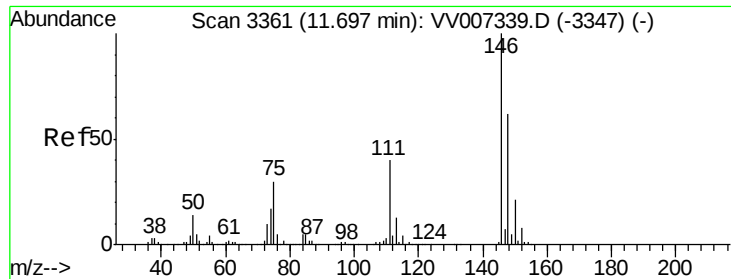


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

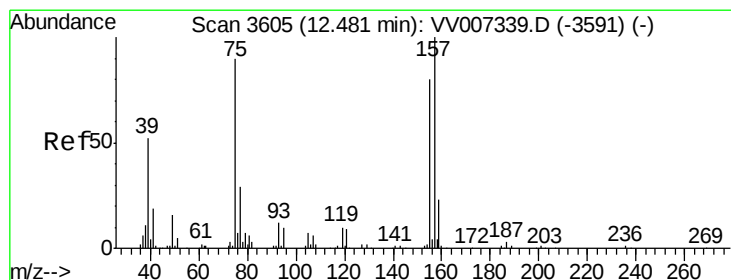
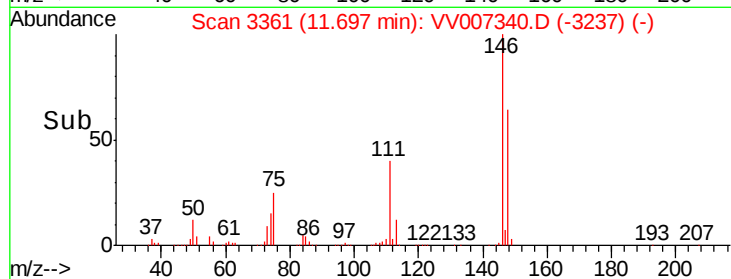
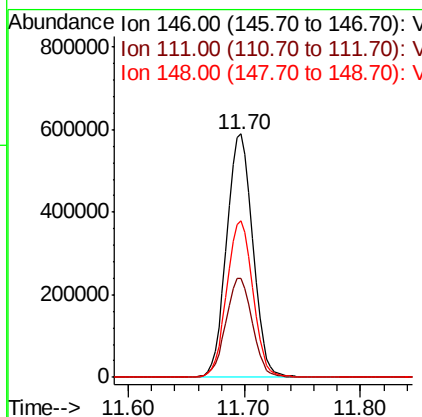
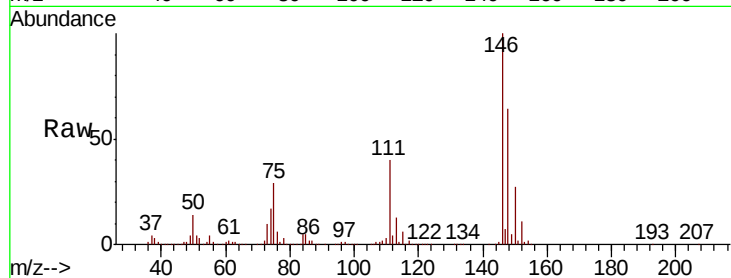




#65
 1,2-Dichlorobenzene
 Concen: 98.123 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV007340.D
 Acq: 04 Sep 2018 20:23

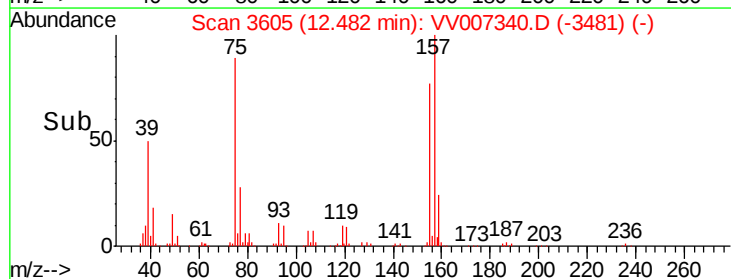
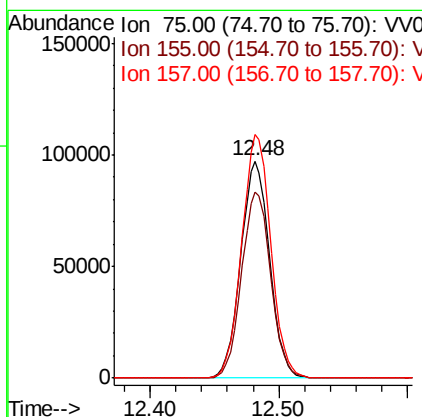
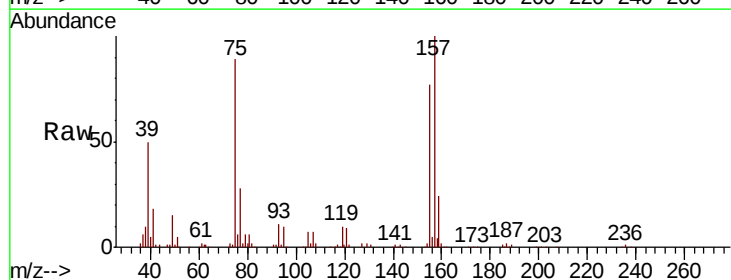
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10063

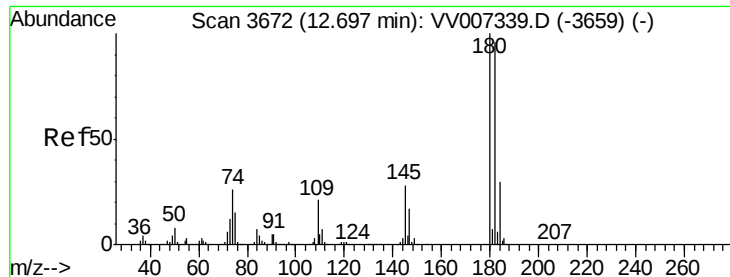
Tgt Ion: 146 Resp: 916198
 Ion Ratio Lower Upper
 146 100
 111 40.5 31.7 47.5
 148 64.2 50.0 75.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 97.662 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VV007340.D
 Acq: 04 Sep 2018 20:23

Tgt Ion: 75 Resp: 151190
 Ion Ratio Lower Upper
 75 100
 155 85.8 70.6 105.8
 157 112.0 88.6 132.8

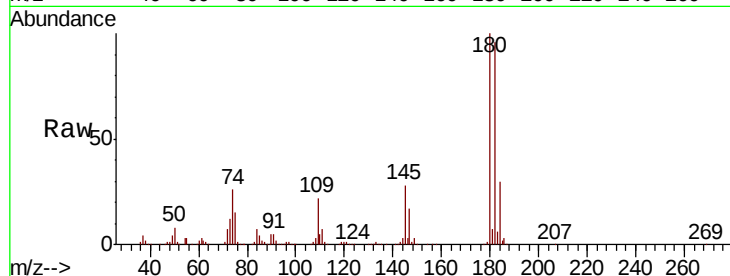




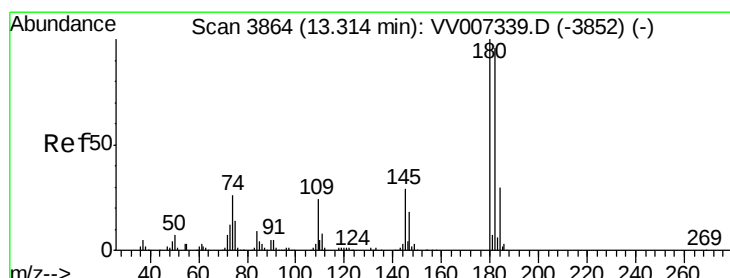
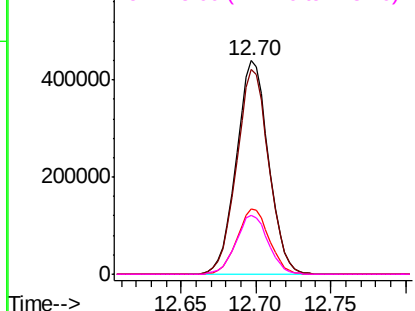
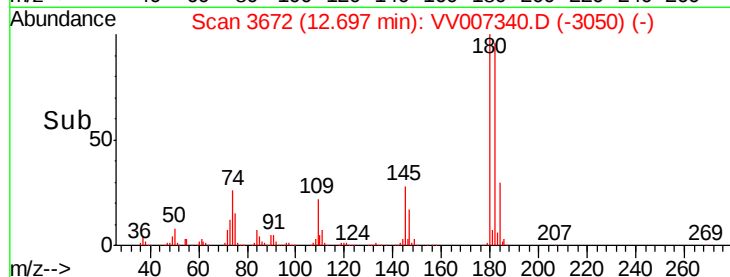
#67
 1,3,5-Trichlorobenzene
 Concen: 100.428 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. 0.00 min
 Lab File: VV007340.D
 Acq: 04 Sep 2018 20:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10063

Tgt Ion:	180	Resp:	656640
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.8	115.2
184	30.6	24.2	36.2
145	27.9	22.6	34.0

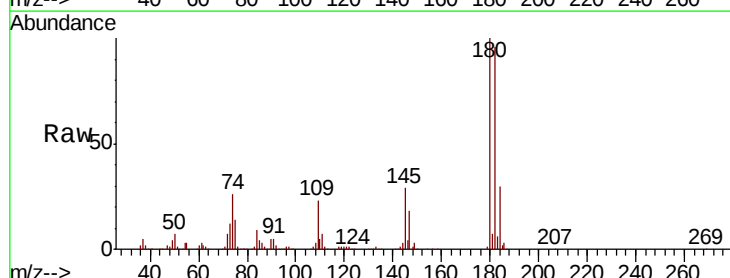


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

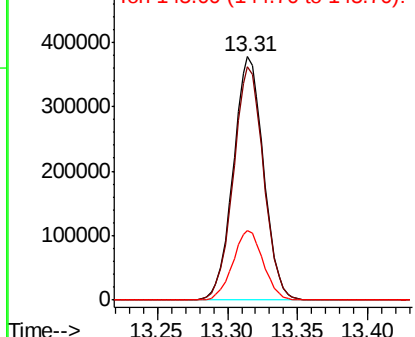
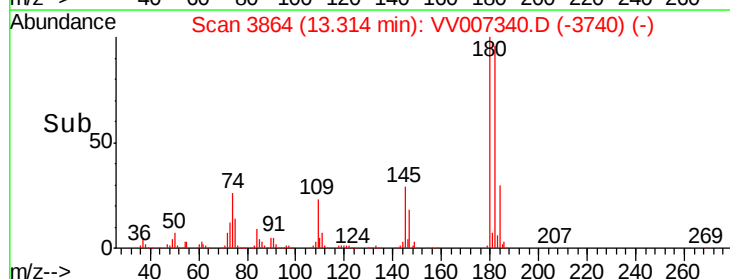


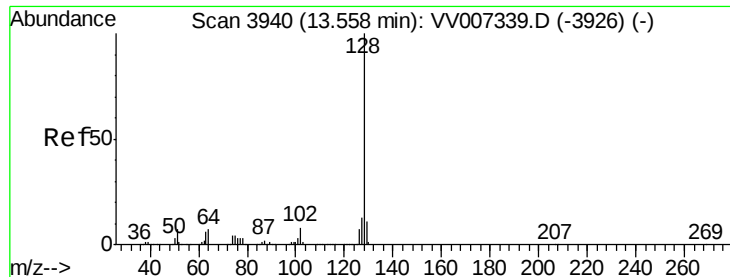
#68
 1,2,4-trichlorobenzene
 Concen: 109.484 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. 0.00 min
 Lab File: VV007340.D
 Acq: 04 Sep 2018 20:23

Tgt Ion:	180	Resp:	565966
Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.0	115.4
145	28.7	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: 126.568 ug/L

RT: 13.56 min Scan# 3939

Delta R.T. -0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

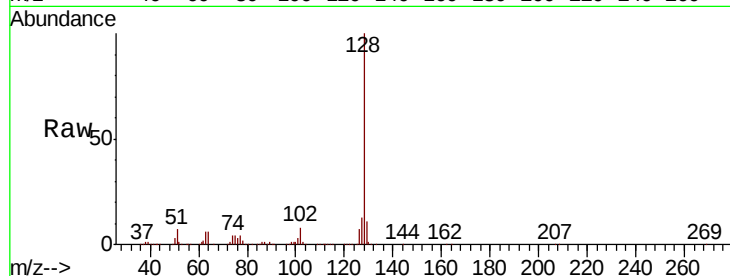
Tgt Ion:128 Resp: 1856806

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

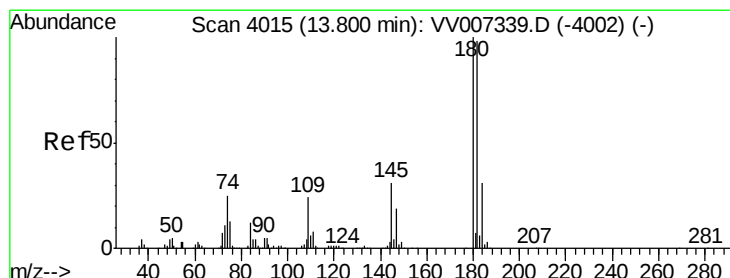
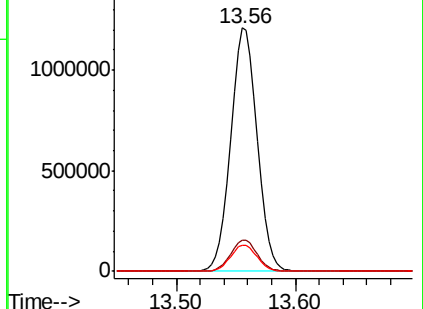
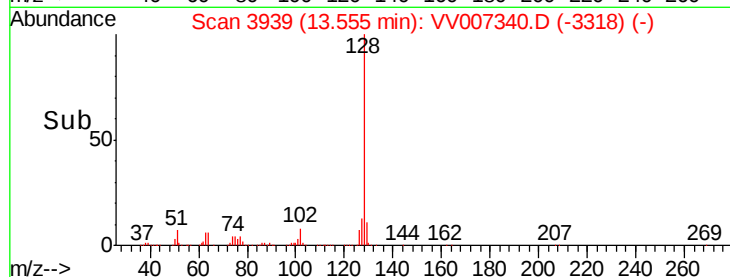
129 11.0 8.7 13.1



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: 112.904 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007340.D

Acq: 04 Sep 2018 20:23

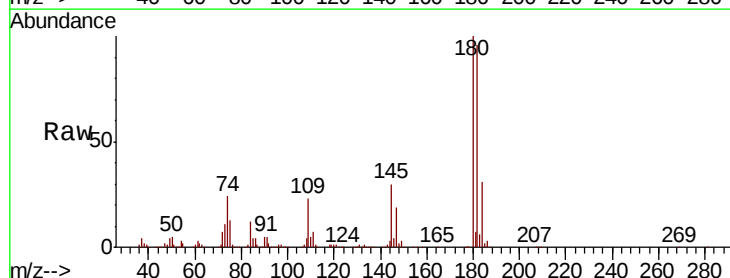
Tgt Ion:180 Resp: 634568

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

