

Data File : VV012506.D
Acq On : 01 Sep 2019 13:23
Operator : SY/MD
Sample : VSTD20066
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

Quant Time: Sep 02 02:52:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090119WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 02 02:48:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	351569	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	348592	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	175326	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	452658	189.40	ug/L	0.00
7) Chloroethane-d5	1.58	69	487949	184.97	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	1270820	196.81	ug/L	0.00
21) 2-Butanone-d5	3.93	46	860565	445.88	ug/L	0.00
24) Chloroform-d	4.40	84	982151	202.06	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	636081	203.82	ug/L	0.00
32) Benzene-d6	5.10	84	1716658	201.53	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	612545	204.62	ug/L	0.00
41) Toluene-d8	7.36	98	1678187	210.17	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	310087	223.32	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	595490	503.28	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	910017	214.75	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	704358	201.97	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	543687	192.972	ug/L	98
3) Chloromethane	1.25	50	705168	195.725	ug/L	100
5) Vinyl chloride	1.32	62	738761	196.402	ug/L	100
6) Bromomethane	1.53	94	707939	232.200	ug/L	99
8) Chloroethane	1.60	64	543401	196.909	ug/L	99
9) Trichlorofluoromethane	1.77	101	1124078	197.169	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	653000	198.338	ug/L	99
12) 1,1-Dichloroethene	2.14	96	638799	201.355	ug/L	96
13) Acetone	2.19	43	775863	377.305	ug/L	100
14) Carbon disulfide	2.32	76	1398655	204.137	ug/L	100
15) Methyl Acetate	2.46	43	631890	209.560	ug/L	97
16) Methylene chloride	2.54	84	542966	197.969	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	512432	207.252	ug/L	98
18) Methyl tert-butyl Ether	2.80	73	1678475	215.955	ug/L	100
19) 1,1-Dichloroethane	3.23	63	1016967	203.043	ug/L	99
22) 2-Butanone	4.01	43	962203	429.429	ug/L	94
23) Bromochloromethane	4.30	128	264491	201.456	ug/L	97
25) Chloroform	4.42	83	1022633	200.787	ug/L	99
27) 1,2-Dichloroethane	5.18	62	874146	205.136	ug/L	98
29) Cyclohexane	4.73	56	941729	217.044	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	843208	201.268	ug/L	99
31) Carbon tetrachloride	4.88	117	727107	204.126	ug/L	99
33) Benzene	5.15	78	2202893	202.924	ug/L	100
34) Trichloroethene	5.96	95	575529	192.021	ug/L	98
35) Methylcyclohexane	6.18	83	945658	217.485	ug/L	99
37) 1,2-Dichloropropane	6.22	63	592799	202.738	ug/L	99
38) Bromodichloromethane	6.55	83	794373	206.081	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	977407	233.194	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	1830653	447.394	ug/L	100
42) Toluene	7.43	91	2418458	212.211	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Mon Sep 02 02:48:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.69	75	881179	232.333	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	544463	206.007	ug/L	99
46) Tetrachloroethene	8.02	164	413097	204.817	ug/L	99
48) 2-Hexanone	8.18	43	1417927	442.550	ug/L	97
49) Dibromochloromethane	8.29	129	604293	218.047	ug/L	99
50) 1,2-Dibromoethane	8.40	107	572746	209.539	ug/L	98
51) Chlorobenzene	8.92	112	1485784	207.627	ug/L	100
52) Ethylbenzene	9.05	91	2736742	221.585	ug/L	99
53) m,p-Xylene	9.18	106	999106	225.226	ug/L	98
54) o-xylene	9.59	106	997635	225.423	ug/L	97
55) Styrene	9.60	104	1729496	230.771	ug/L	100
56) Isopropylbenzene	9.97	105	2645208	229.224	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	869393	221.805	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	720840	203.360	ug/L	99
61) Bromoform	9.77	173	409955	213.062	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	1133700	204.774	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	1153041	201.260	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	1135952	202.911	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	198137	210.014	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	814907	220.343	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	736194	242.031	ug/L	98
69) Naphthalene	13.55	128	2447680	257.392	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	745552	238.231	ug/L	98

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

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Operator : SY/MD

Sample : VSTD20066

Misc : 5mL/MSV0A V/WATER

```
ALS Vial      : 7      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

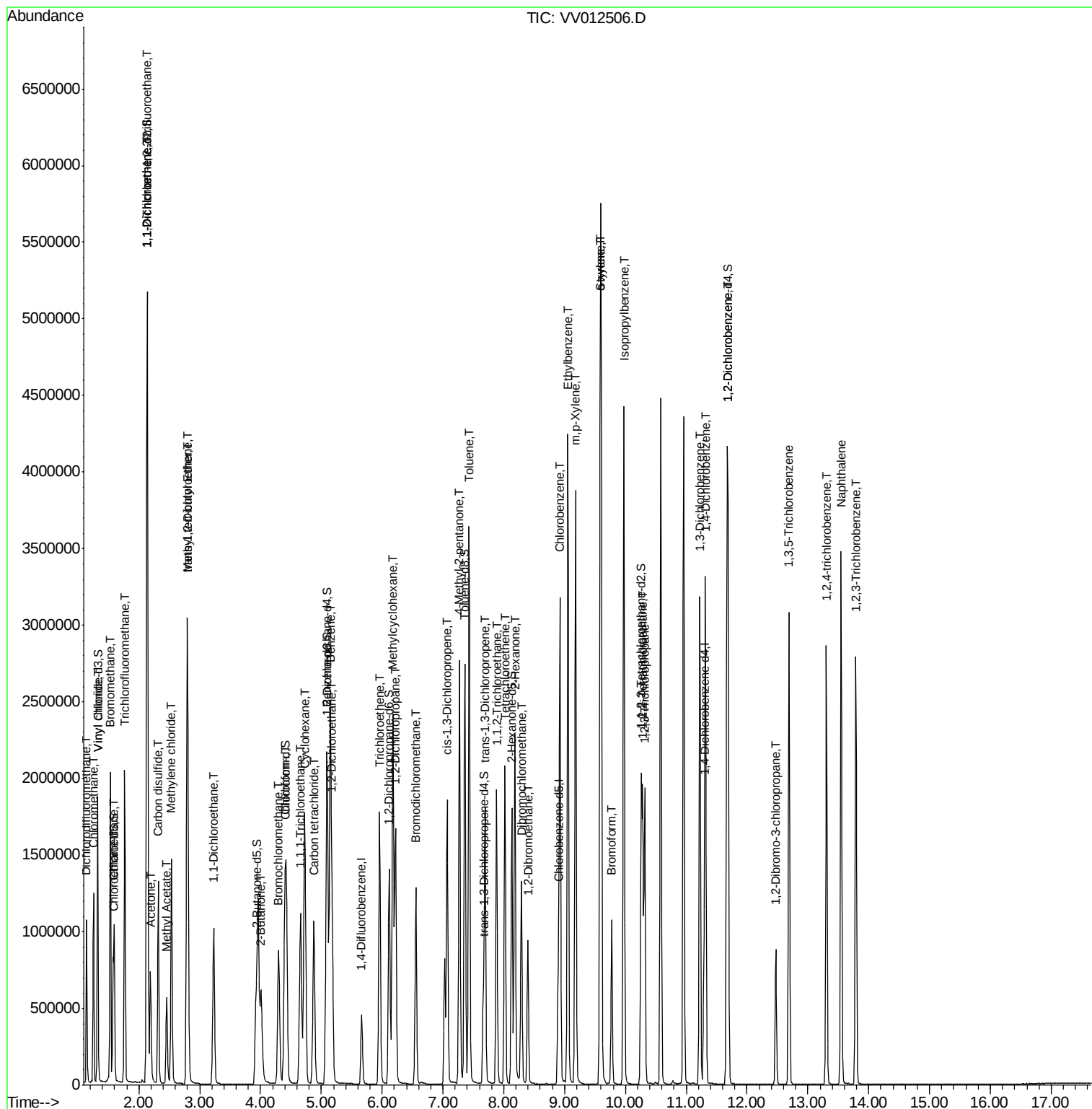
Quant Time: Sep 02 02:52:50 2019

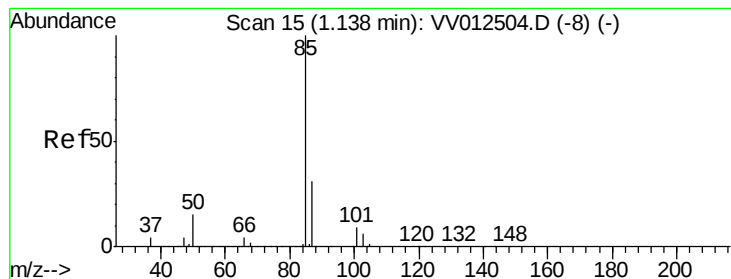
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVLM090119WMA.M

Quant Title : VOC Analysis

QLast Update : Mon Sep 02 02:48:11 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 192.972 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012506.D

Acq: 01 Sep 2019 13:23

Instrument :

MSVOA_V

ClientSampleId :

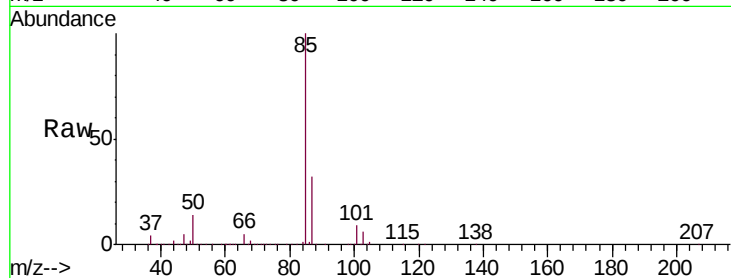
VSTD20066

Tgt Ion: 85 Resp: 543687

Ion Ratio Lower Upper

85 100

87 32.9 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV012506.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012506.D (-8) (-)

1.14

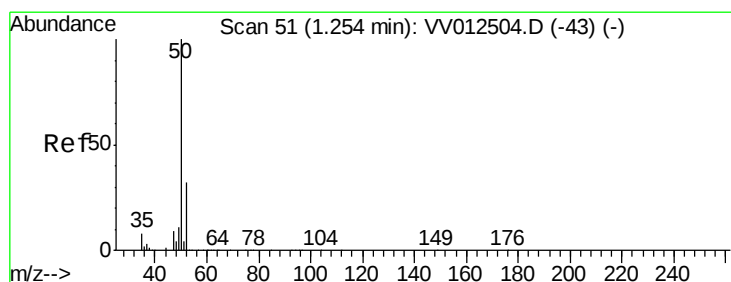
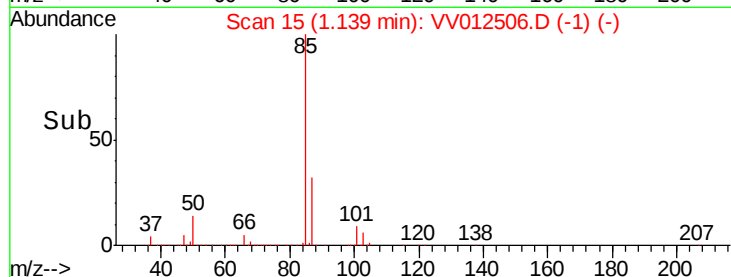
600000

400000

200000

0

Time-->



#3

Chloromethane

Concen: 195.725 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012506.D

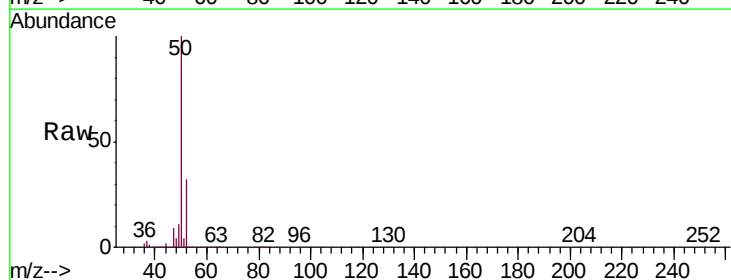
Acq: 01 Sep 2019 13:23

Tgt Ion: 50 Resp: 705168

Ion Ratio Lower Upper

50 100

52 32.2 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VV012506.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV012506.D (-43) (-)

1.25

800000

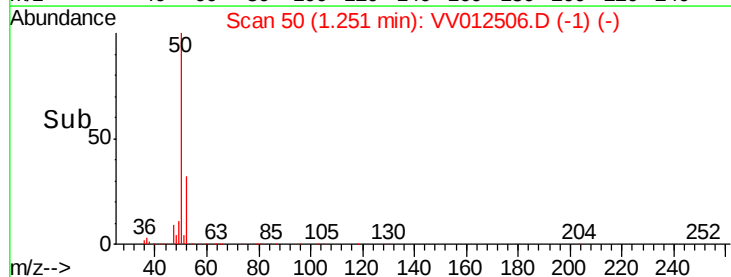
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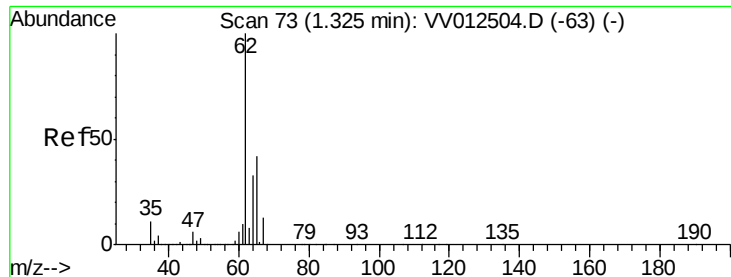
400000

200000

0

Time-->





#5

Vinyl chloride

Concen: 196.402 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012506.D

Acq: 01 Sep 2019 13:23

Instrument :

MSVOA_V

ClientSampleId :

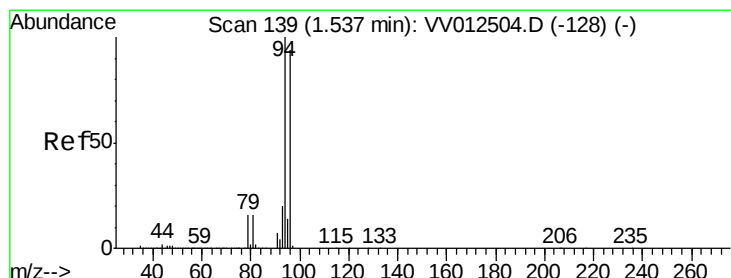
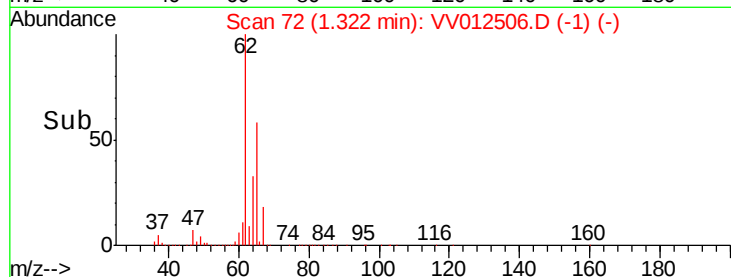
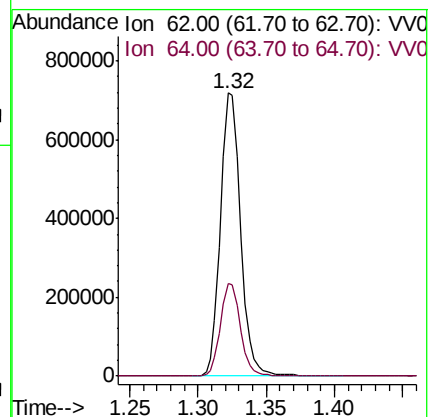
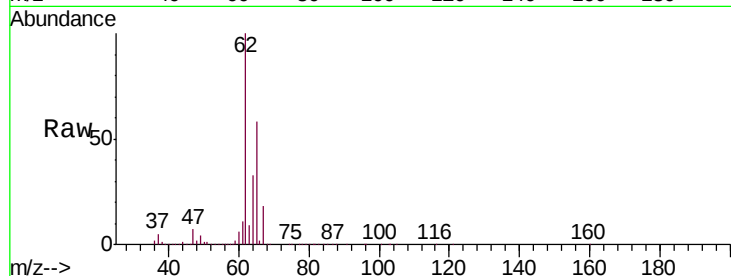
VSTD20066

Tgt Ion: 62 Resp: 738761

Ion Ratio Lower Upper

62 100

64 32.7 22.9 42.5



#6

Bromomethane

Concen: 232.200 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.01 min

Lab File: VV012506.D

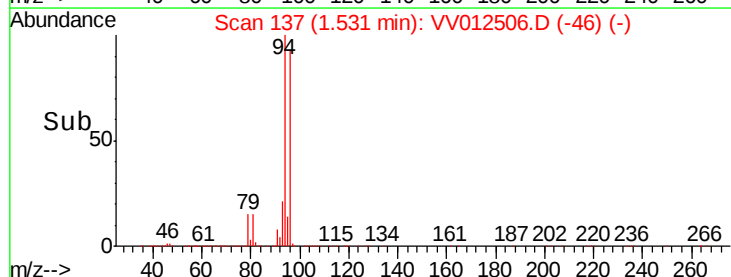
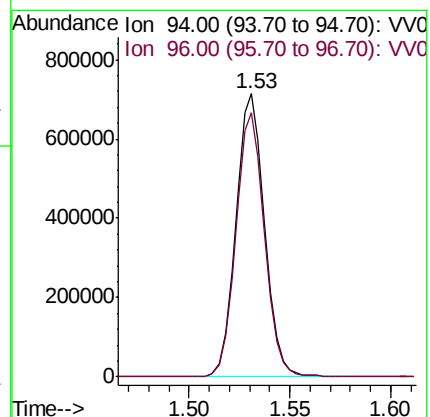
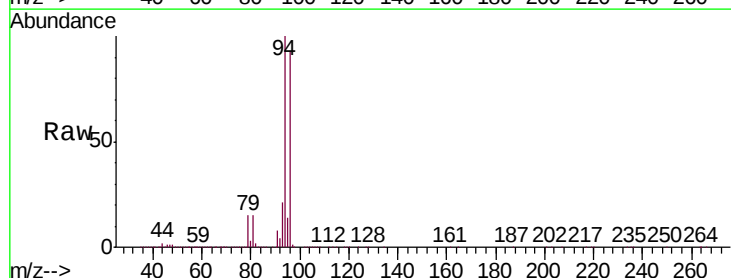
Acq: 01 Sep 2019 13:23

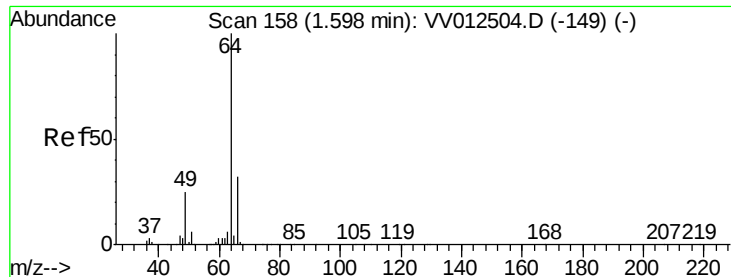
Tgt Ion: 94 Resp: 707939

Ion Ratio Lower Upper

94 100

96 93.2 65.9 122.5





#8

Chloroethane

Concen: 196.909 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV012506.D

Acq: 01 Sep 2019 13:23

Instrument :

MSVOA_V

ClientSampleId :

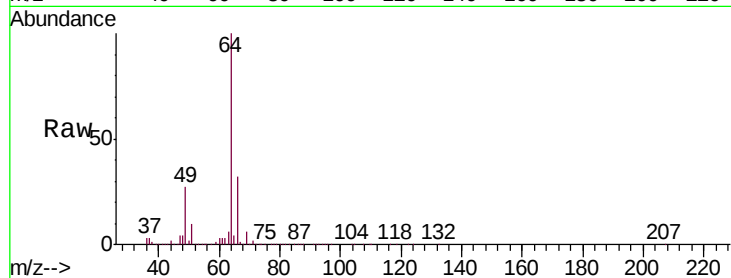
VSTD20066

Tgt Ion: 64 Resp: 543401

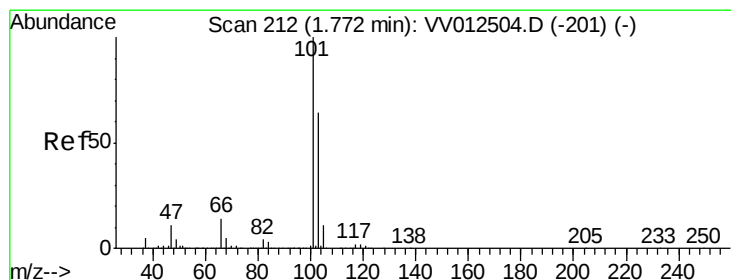
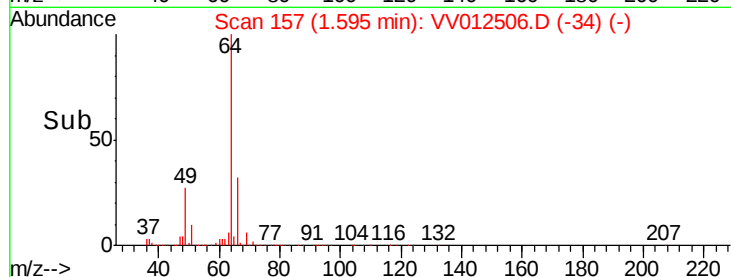
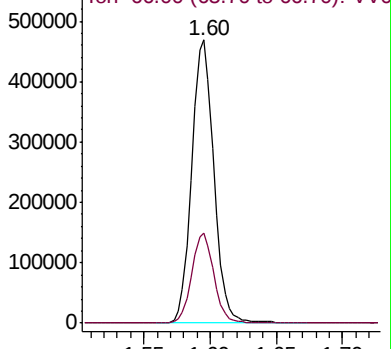
Ion Ratio Lower Upper

64 100

66 31.8 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV012506.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 197.169 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV012506.D

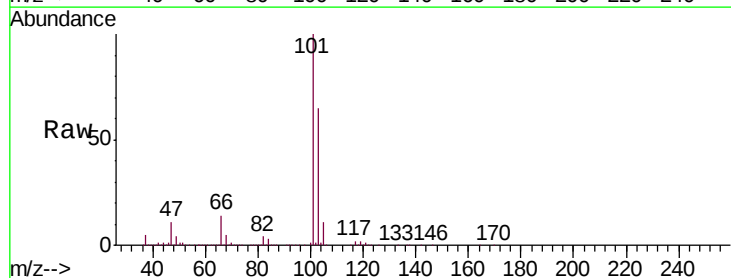
Acq: 01 Sep 2019 13:23

Tgt Ion: 101 Resp: 1124078

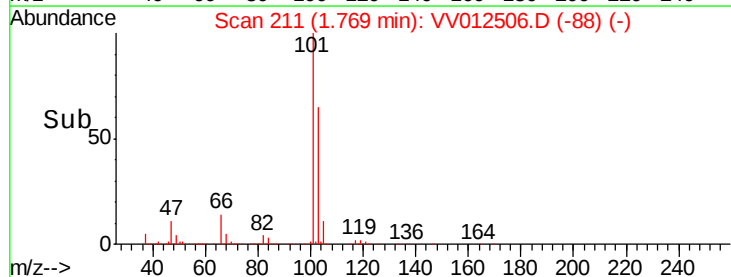
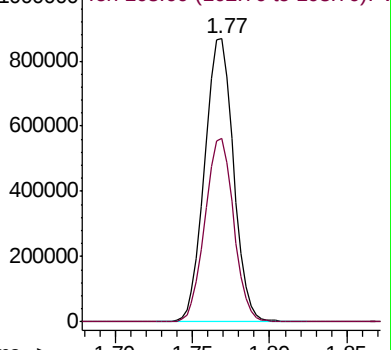
Ion Ratio Lower Upper

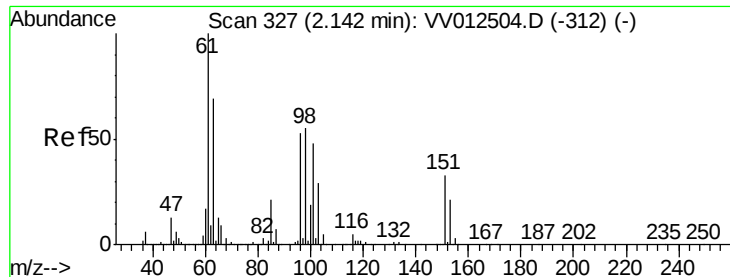
101 100

103 64.8 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VV012506.D (-201) (-)





#10

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

Concen: 198.338 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012506.D

Acq: 01 Sep 2019 13:23

Instrument :

MSVOA_V

ClientSampled :

VSTD20066

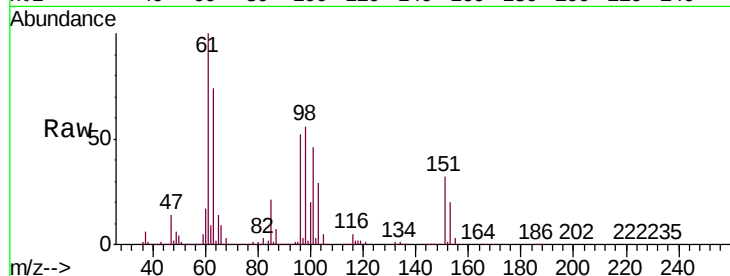
Tgt Ion:101 Resp: 653000

Ion Ratio Lower Upper

101 100

85 45.5 36.2 54.2

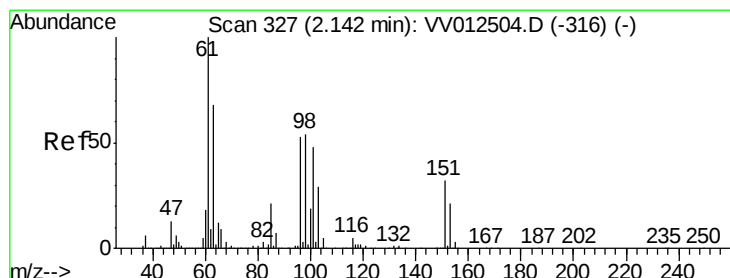
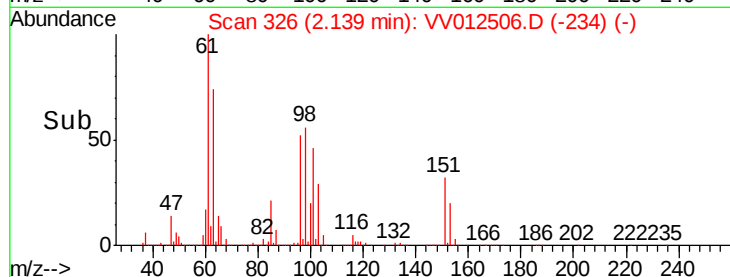
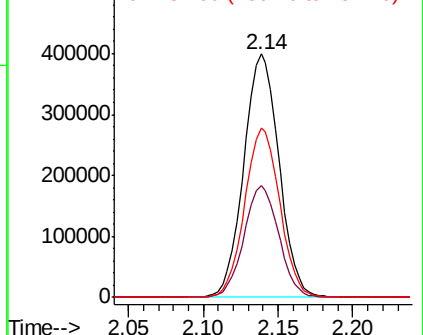
151 69.5 54.8 82.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 201.355 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012506.D

Acq: 01 Sep 2019 13:23

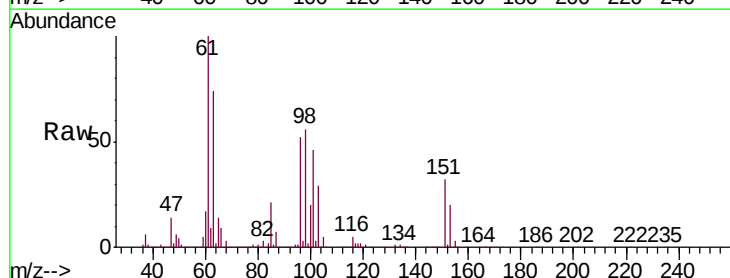
Tgt Ion: 96 Resp: 638799

Ion Ratio Lower Upper

96 100

61 190.6 132.4 246.0

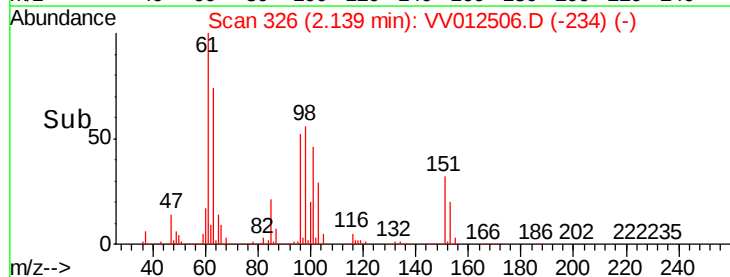
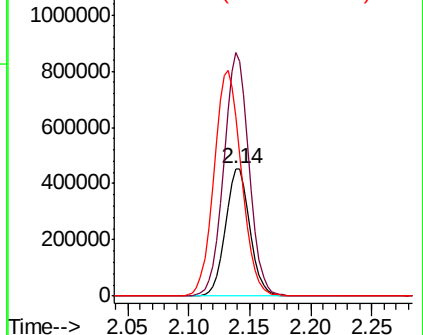
63 140.3 92.0 170.9

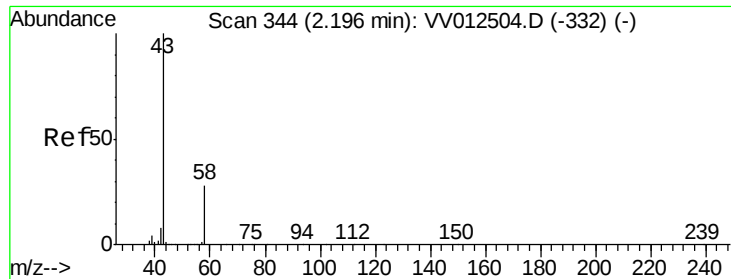


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

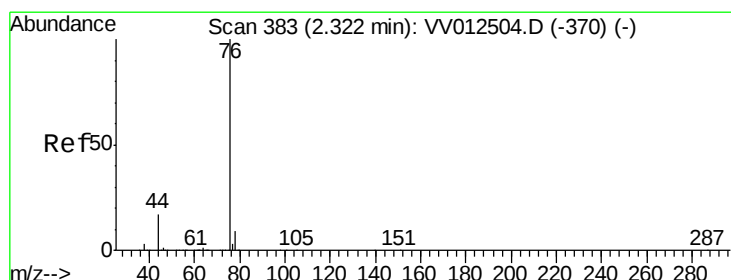
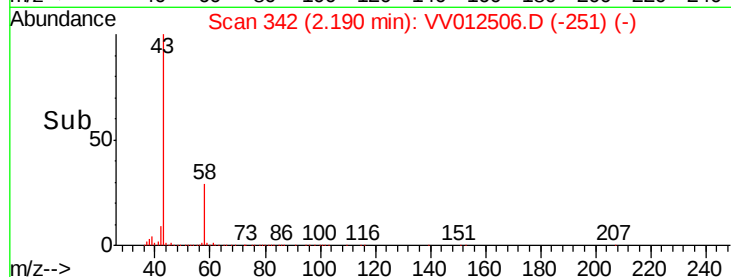
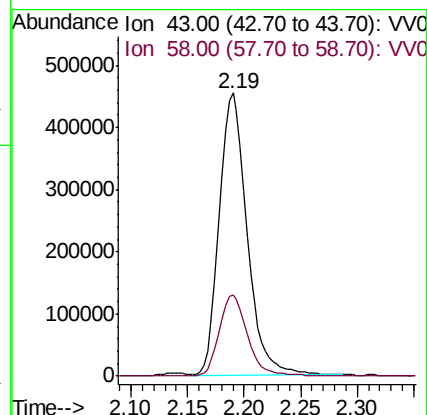
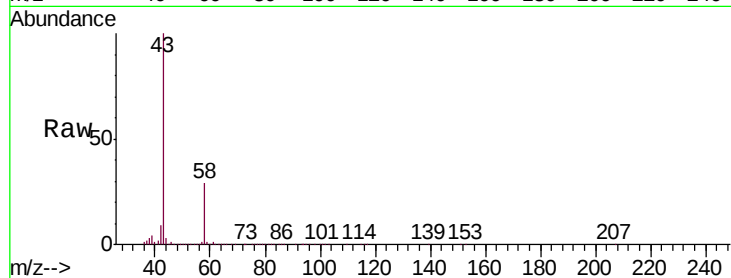




#13
Acetone
Concen: 377.305 ug/L
RT: 2.19 min Scan# 342
Delta R.T. -0.01 min
Lab File: VV012506.D
Acq: 01 Sep 2019 13:23

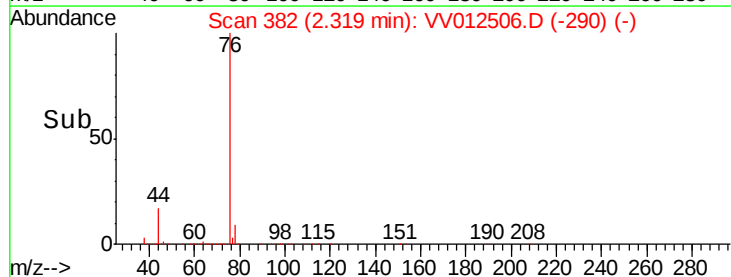
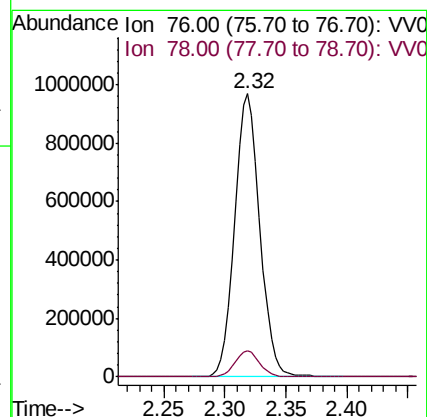
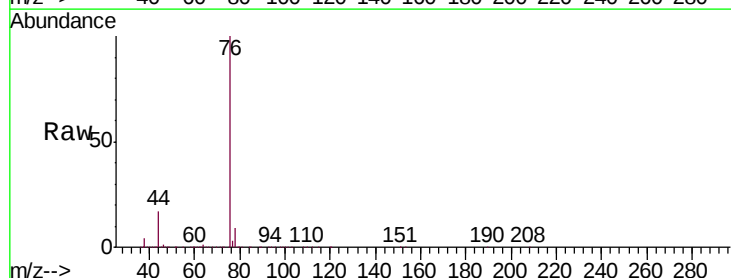
Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

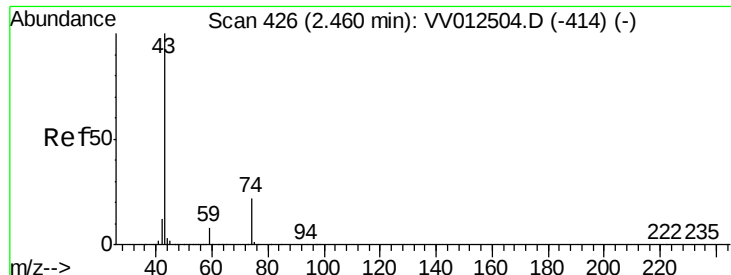
Tgt Ion: 43 Resp: 775863
Ion Ratio Lower Upper
43 100
58 28.8 0.0 57.6



#14
Carbon disulfide
Concen: 204.137 ug/L
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VV012506.D
Acq: 01 Sep 2019 13:23

Tgt Ion: 76 Resp: 1398655
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2

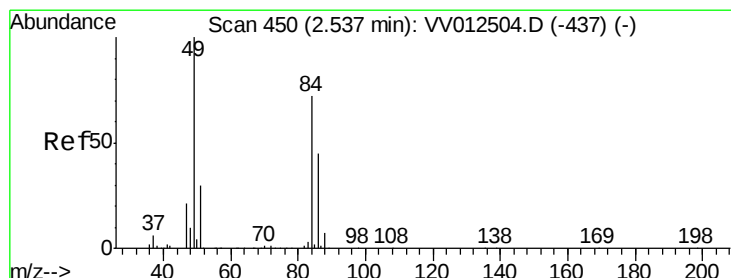
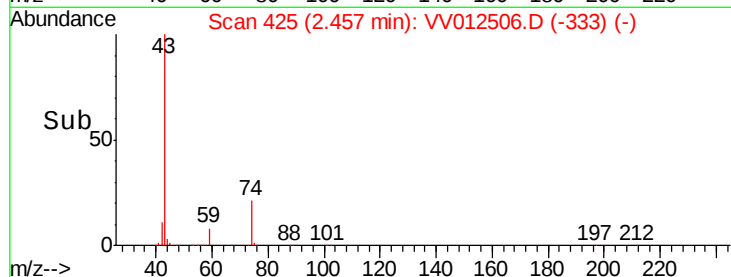
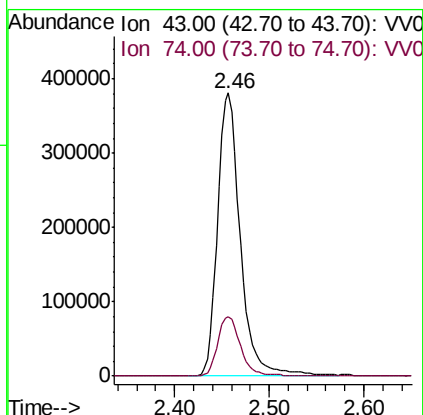
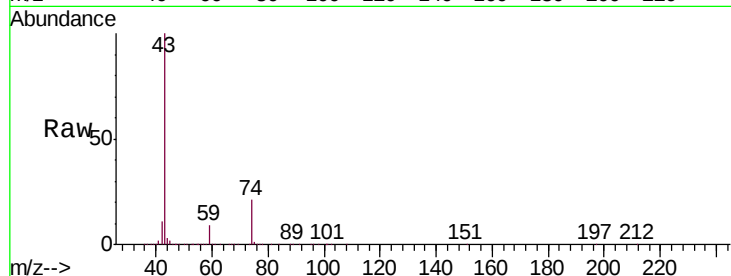




#15
Methyl Acetate
Concen: 209.560 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV012506.D
Acq: 01 Sep 2019 13:23

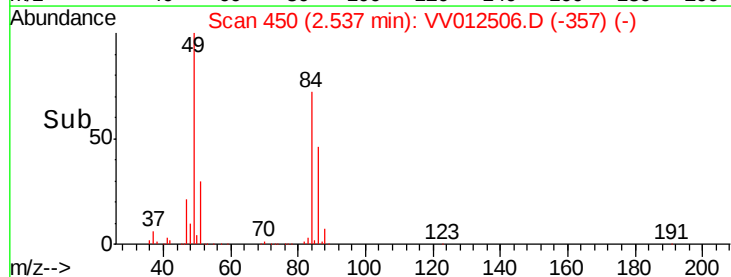
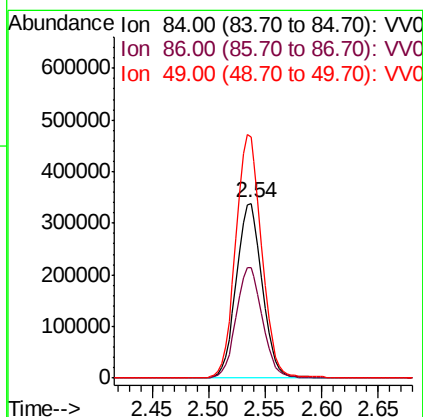
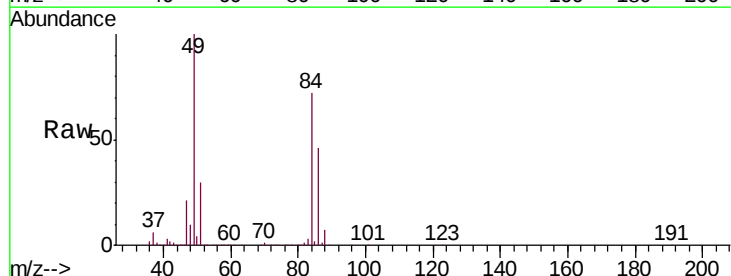
Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

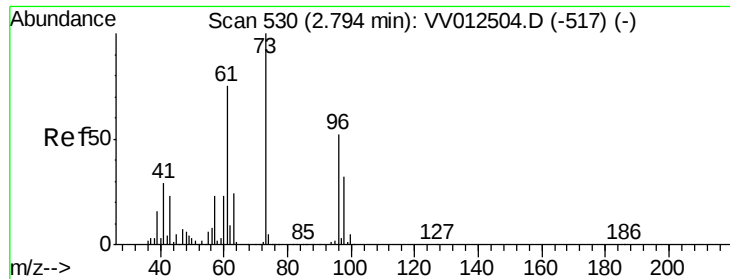
Tgt Ion: 43 Resp: 631890
Ion Ratio Lower Upper
43 100
74 21.0 18.0 27.0



#16
Methylene chloride
Concen: 197.969 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012506.D
Acq: 01 Sep 2019 13:23

Tgt Ion: 84 Resp: 542966
Ion Ratio Lower Upper
84 100
86 63.5 43.5 80.7
49 138.1 97.3 180.7





#17

trans-1,2-Dichloroethene

Concen: 207.252 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV012506.D

Acq: 01 Sep 2019 13:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

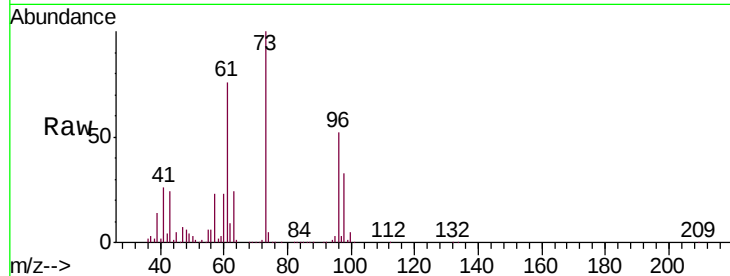
Tgt Ion: 96 Resp: 512432

Ion Ratio Lower Upper

96 100

61 147.0 101.4 188.2

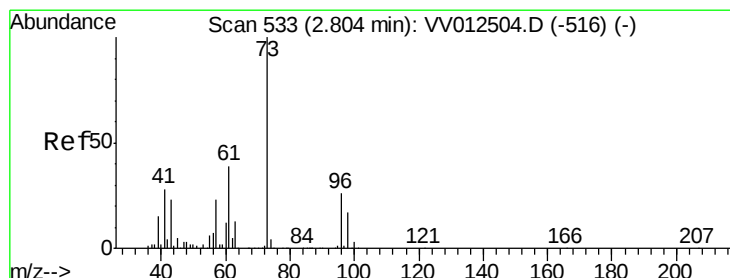
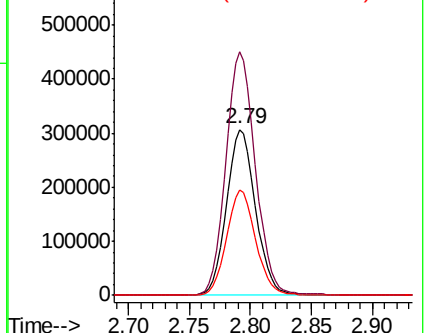
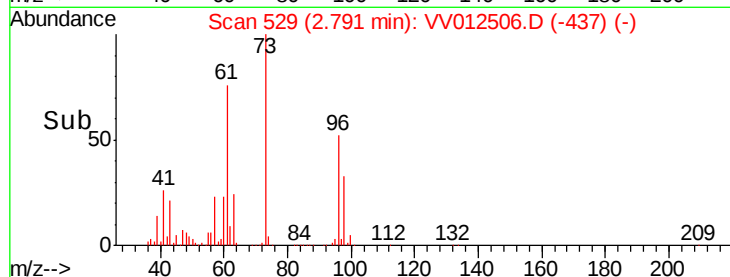
98 63.3 43.3 80.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 215.955 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV012506.D

Acq: 01 Sep 2019 13:23

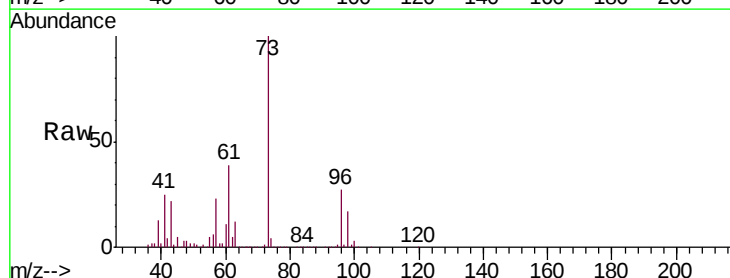
Tgt Ion: 73 Resp: 1678475

Ion Ratio Lower Upper

73 100

43 22.5 18.1 27.1

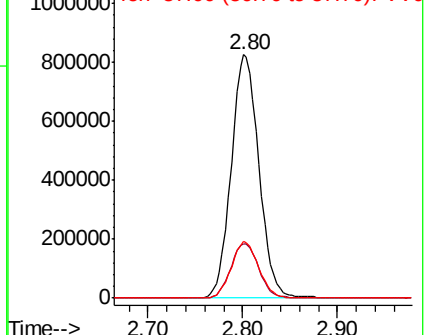
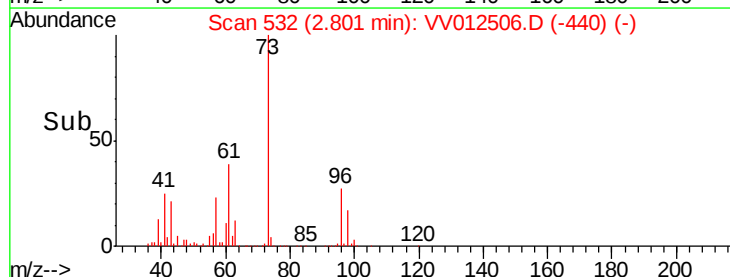
57 22.9 18.5 27.7

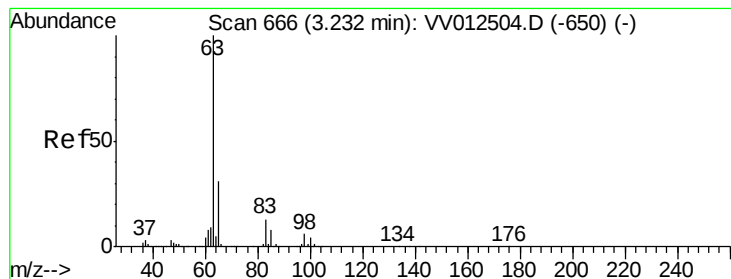


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 203.043 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV012506.D

Acq: 01 Sep 2019 13:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

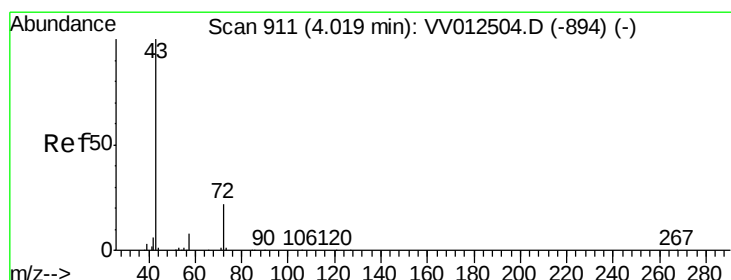
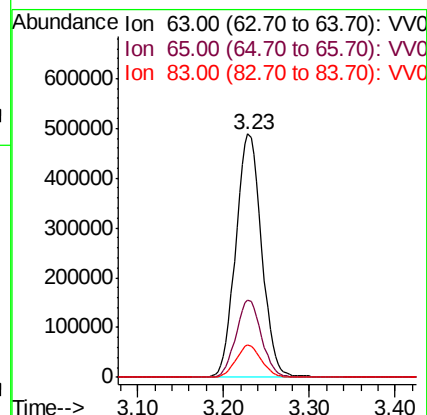
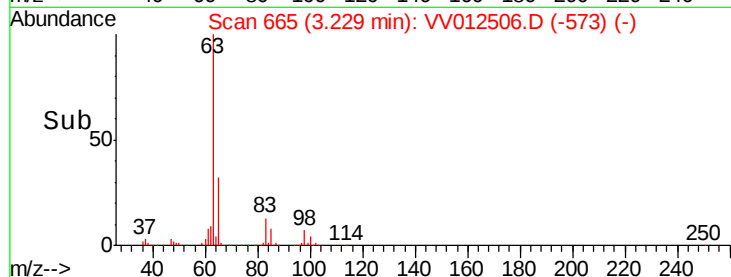
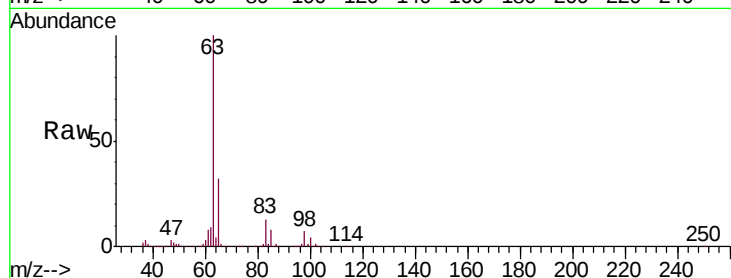
Tgt Ion: 63 Resp: 1016967

Ion Ratio Lower Upper

63 100

65 31.7 21.8 40.6

83 13.1 9.3 17.3



#22

2-Butanone

Concen: 429.429 ug/L

RT: 4.01 min Scan# 908

Delta R.T. -0.01 min

Lab File: VV012506.D

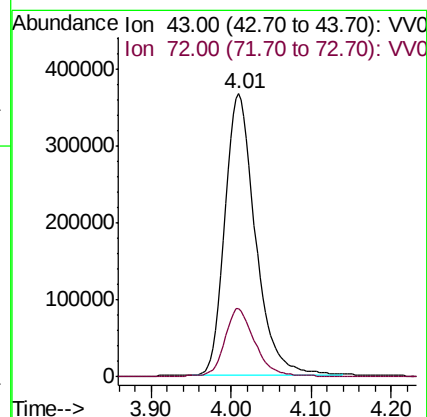
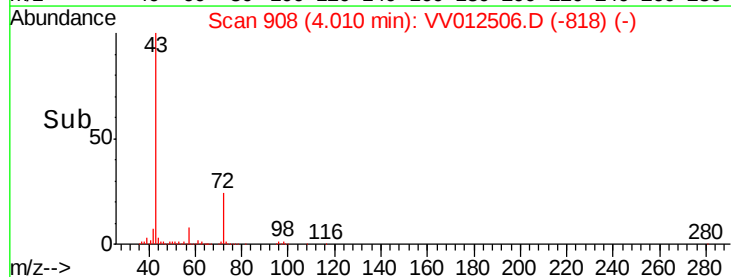
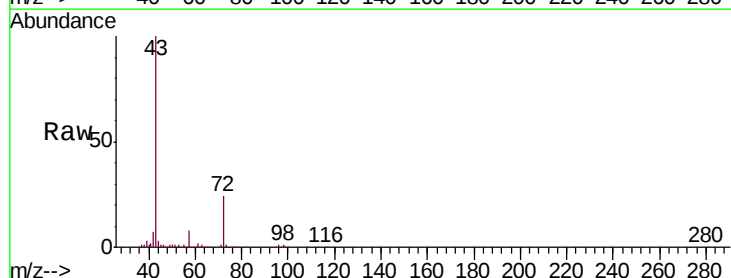
Acq: 01 Sep 2019 13:23

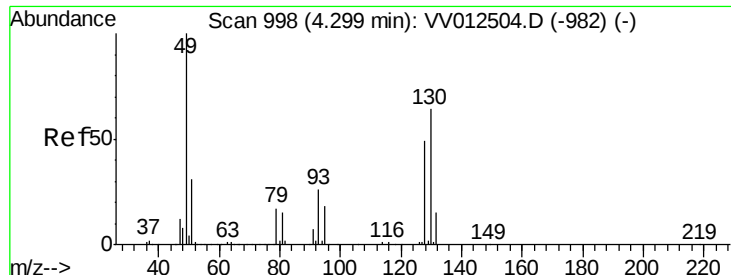
Tgt Ion: 43 Resp: 962203

Ion Ratio Lower Upper

43 100

72 24.6 10.9 32.7





#23

Bromochloromethane

Concen: 201.456 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV012506.D

Acq: 01 Sep 2019 13:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

Tgt Ion:128 Resp: 264491

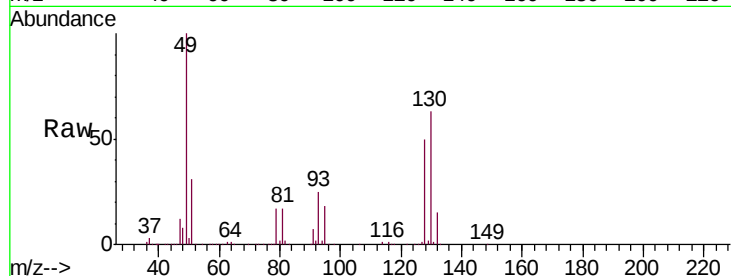
Ion Ratio Lower Upper

128 100

49 201.6 144.1 267.5

130 127.5 91.6 170.2

51 61.8 51.1 76.7

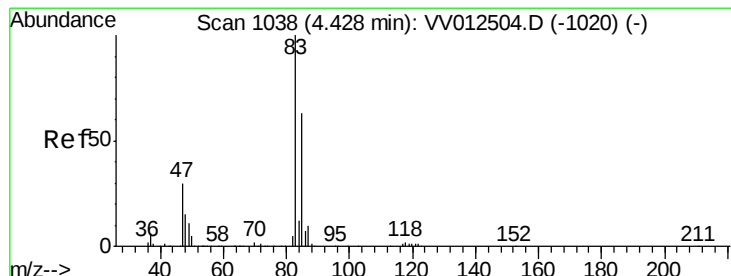
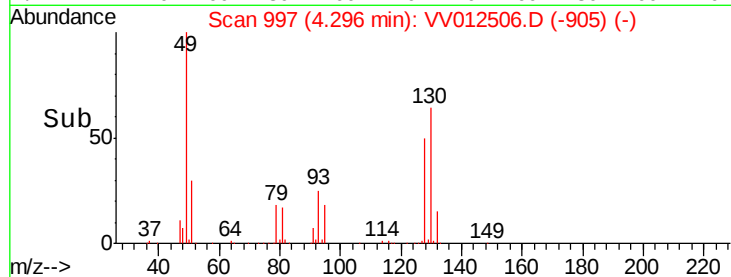
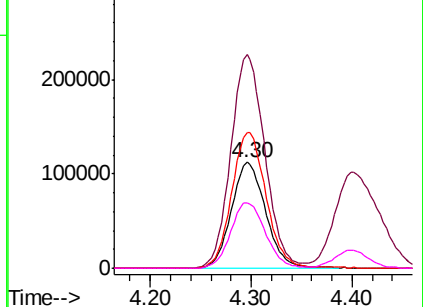


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 200.787 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV012506.D

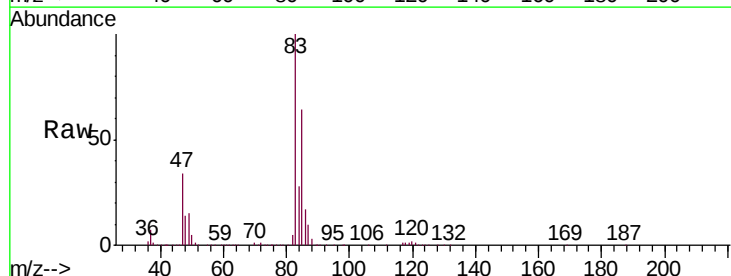
Acq: 01 Sep 2019 13:23

Tgt Ion: 83 Resp: 1022633

Ion Ratio Lower Upper

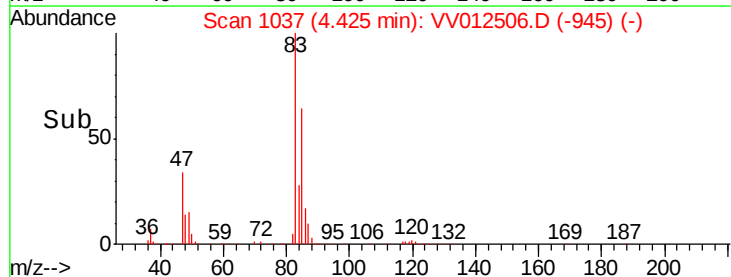
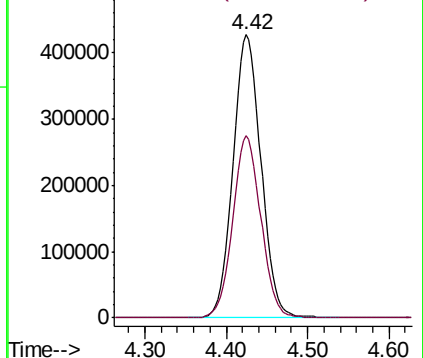
83 100

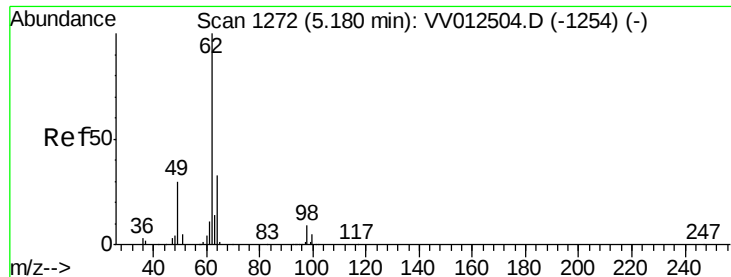
85 64.2 44.4 82.4



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

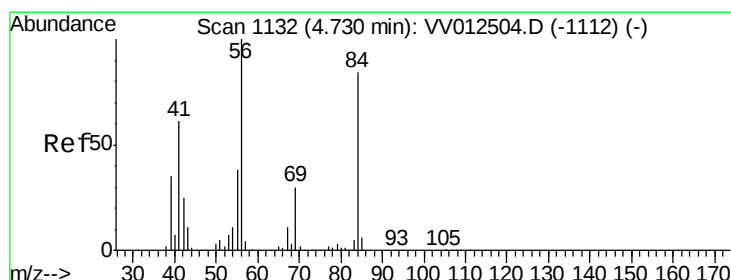
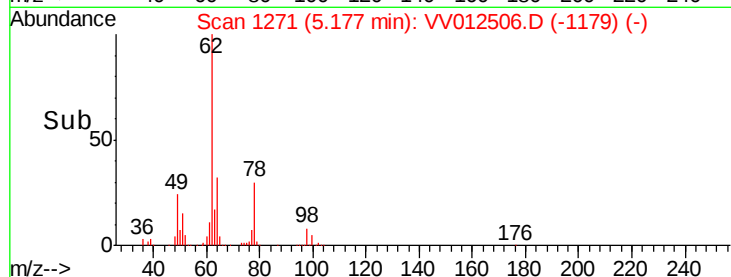
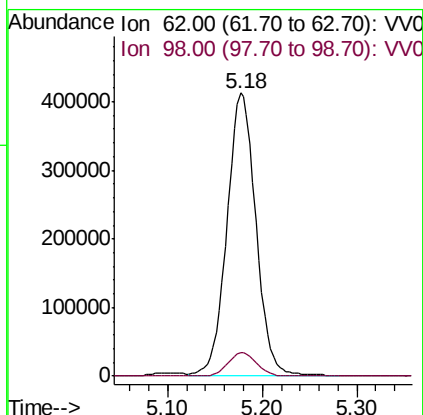
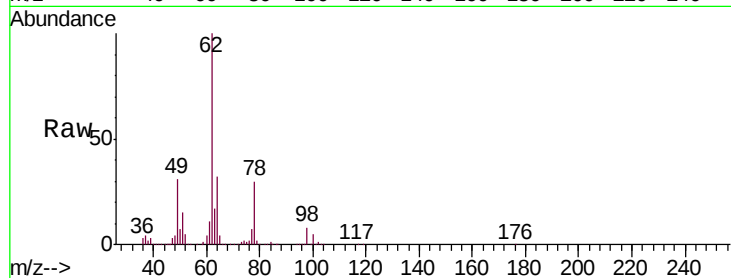




#27
 1,2-Dichloroethane
 Concen: 205.136 ug/L
 RT: 5.18 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VV012506.D
 Acq: 01 Sep 2019 13:23

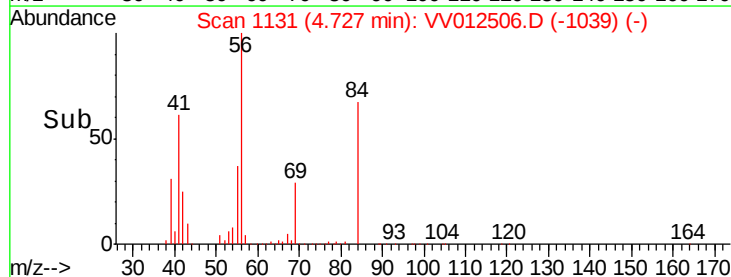
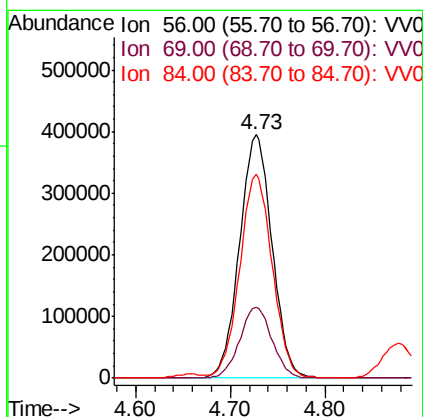
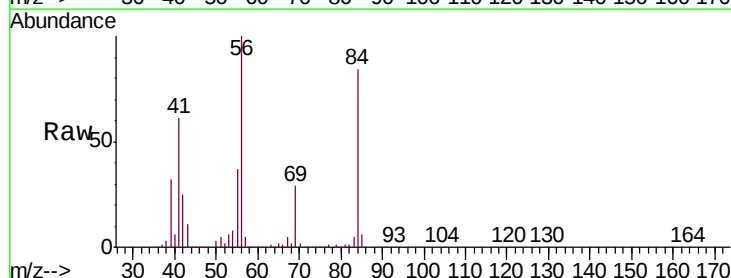
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20066

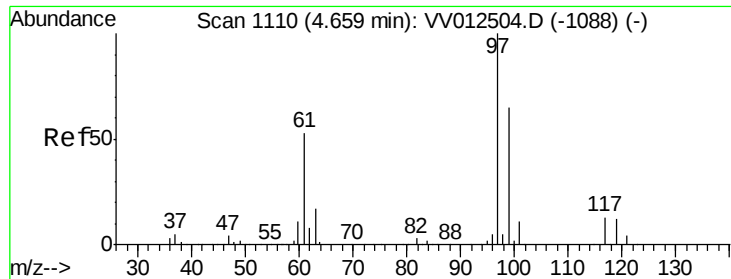
Tgt Ion: 62 Resp: 874146
 Ion Ratio Lower Upper
 62 100
 98 8.3 7.3 10.9



#29
 Cyclohexane
 Concen: 217.044 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VV012506.D
 Acq: 01 Sep 2019 13:23

Tgt Ion: 56 Resp: 941729
 Ion Ratio Lower Upper
 56 100
 69 29.0 23.5 35.3
 84 83.4 66.2 99.4

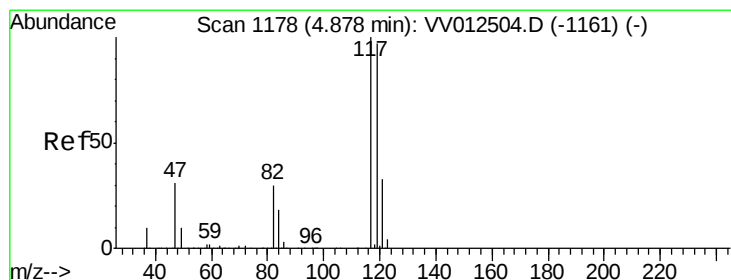
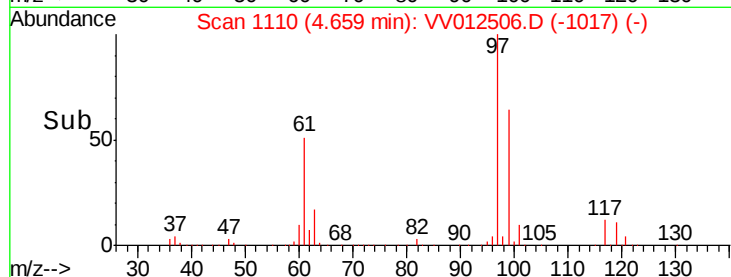
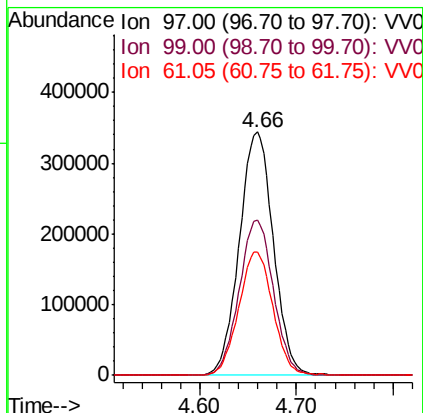
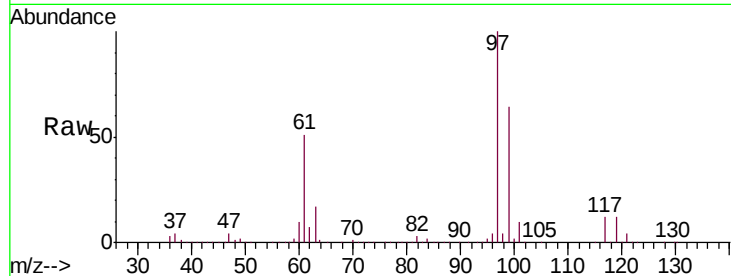




#30
 1,1,1-Trichloroethane
 Concen: 201.268 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV012506.D
 Acq: 01 Sep 2019 13:23

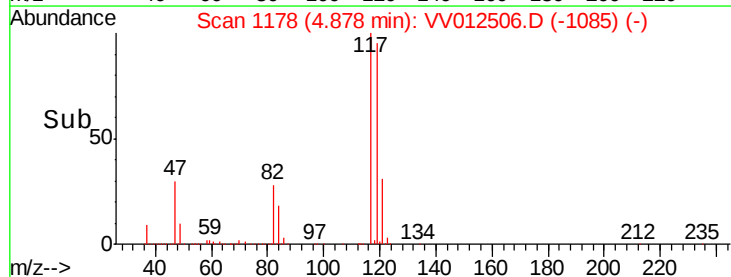
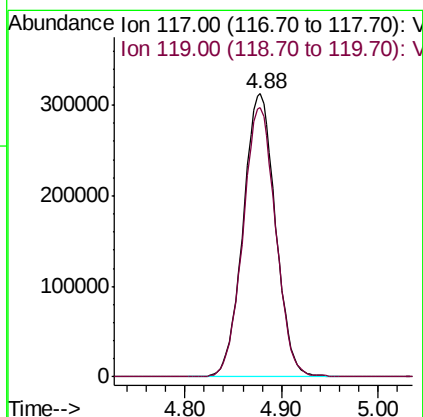
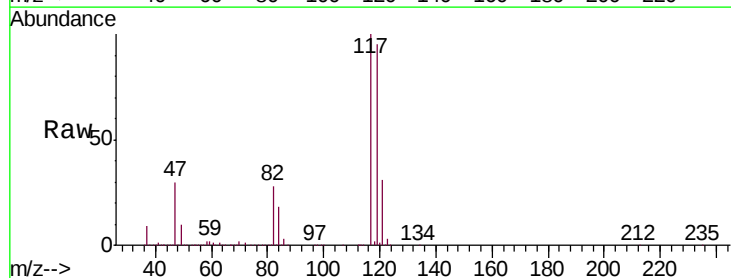
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20066

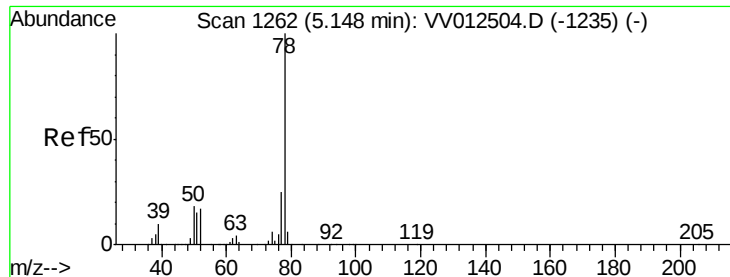
Tgt Ion: 97 Resp: 843208
 Ion Ratio Lower Upper
 97 100
 99 64.0 50.6 76.0
 61 50.7 41.7 62.5



#31
 Carbon tetrachloride
 Concen: 204.126 ug/L
 RT: 4.88 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VV012506.D
 Acq: 01 Sep 2019 13:23

Tgt Ion: 117 Resp: 727107
 Ion Ratio Lower Upper
 117 100
 119 95.9 77.5 116.3

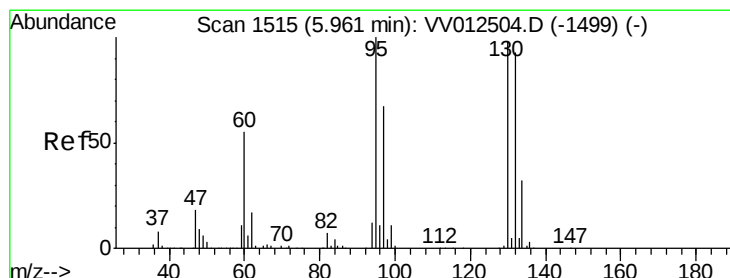
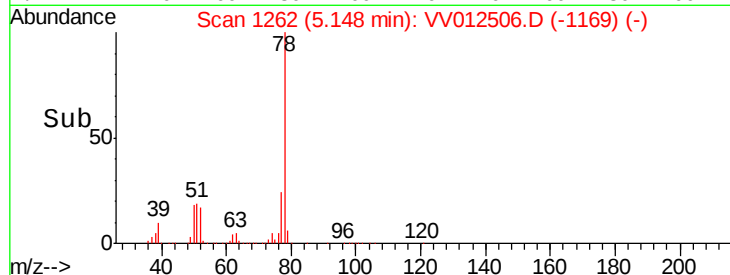
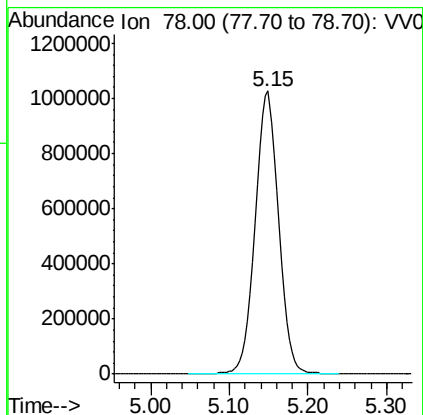
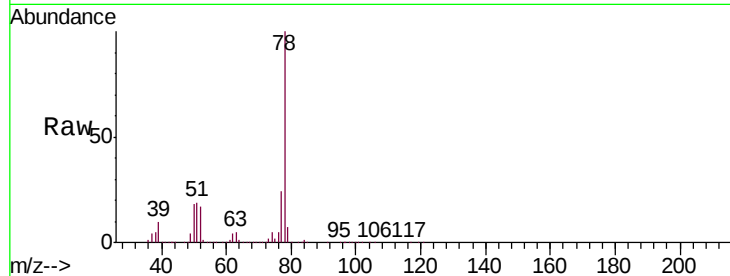




#33
Benzene
Concen: 202.924 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV012506.D
Acq: 01 Sep 2019 13:23

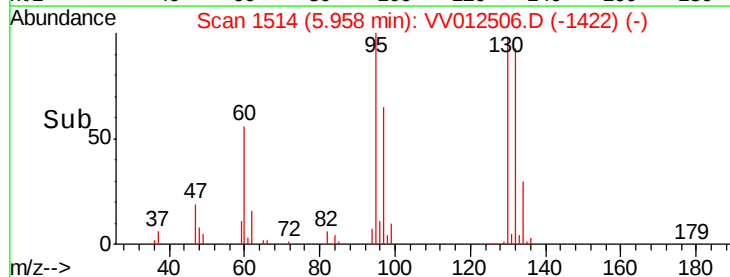
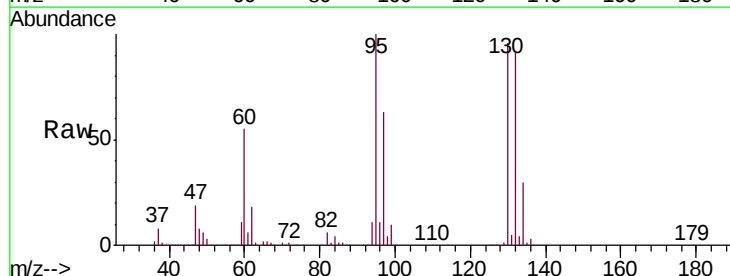
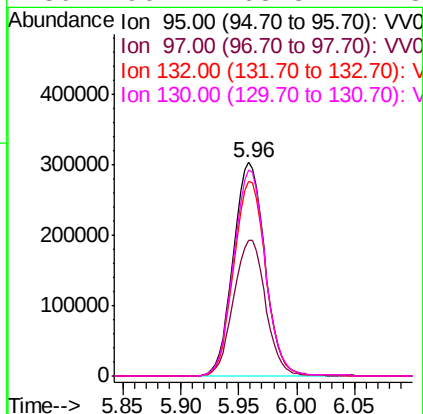
Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

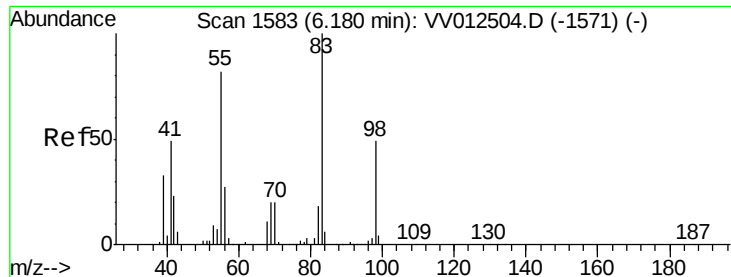
Tgt Ion: 78 Resp: 2202893



#34
Trichloroethene
Concen: 192.021 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VV012506.D
Acq: 01 Sep 2019 13:23

Tgt Ion: 95 Resp: 575529
Ion Ratio Lower Upper
95 100
97 63.5 46.8 86.8
132 91.2 64.9 120.5
130 96.4 68.8 127.8

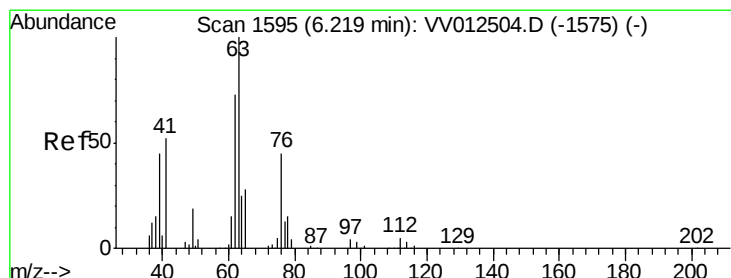
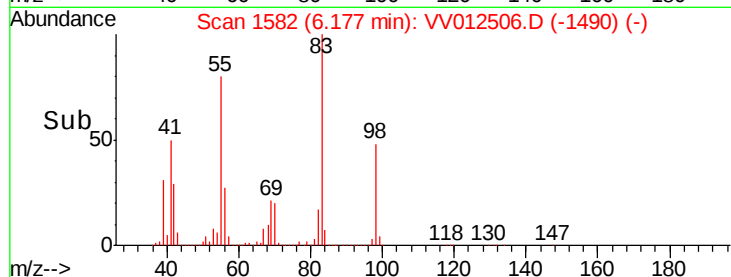
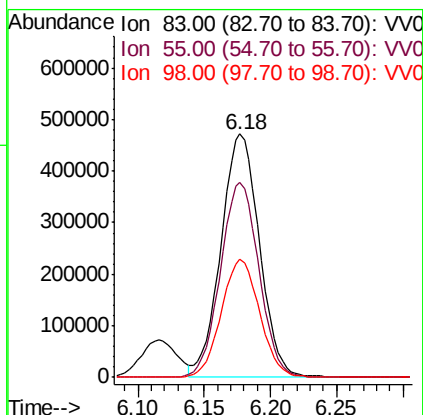
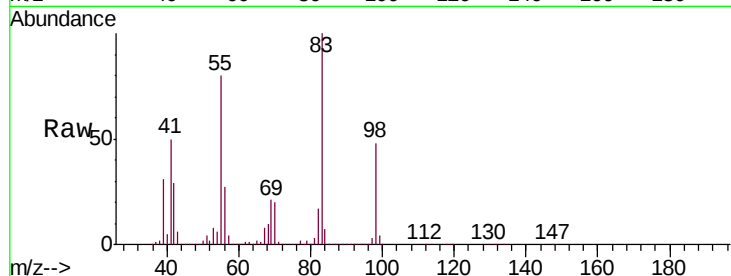




#35
Methylcyclohexane
Concen: 217.485 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VV012506.D
Acq: 01 Sep 2019 13:23

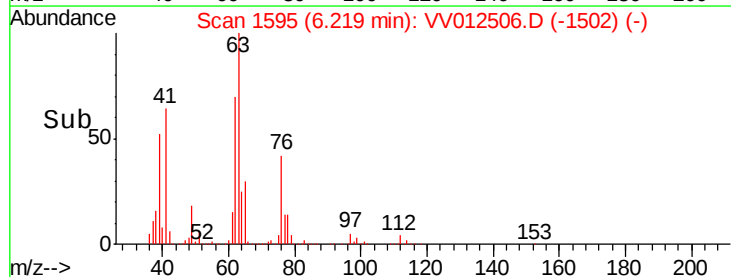
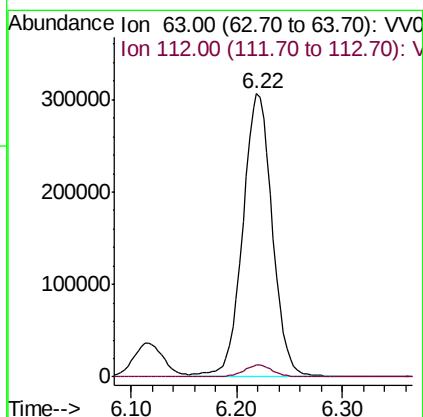
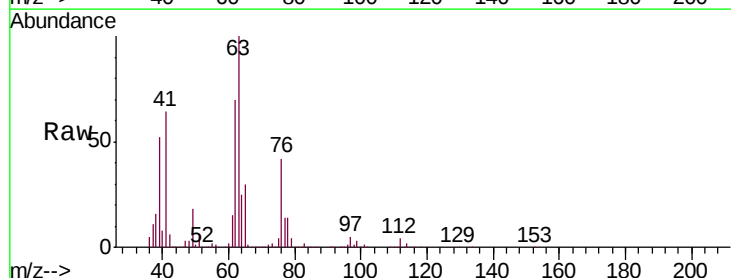
Instrument :
MSVOA_V
ClientSampled :
VSTD20066

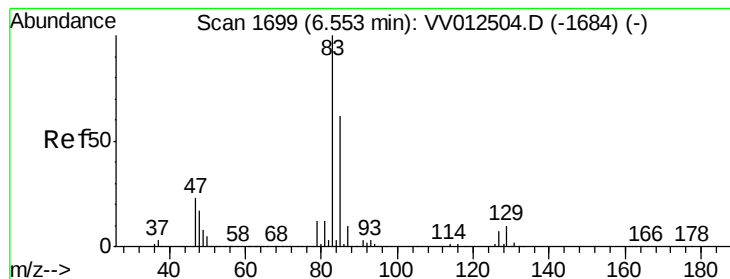
Tgt Ion: 83 Resp: 945658
Ion Ratio Lower Upper
83 100
55 80.1 65.1 97.7
98 48.5 38.5 57.7



#37
1,2-Dichloropropane
Concen: 202.738 ug/L
RT: 6.22 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VV012506.D
Acq: 01 Sep 2019 13:23

Tgt Ion: 63 Resp: 592799
Ion Ratio Lower Upper
63 100
112 4.1 3.5 5.3





#38

Bromodichloromethane

Concen: 206.081 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV012506.D

Acq: 01 Sep 2019 13:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

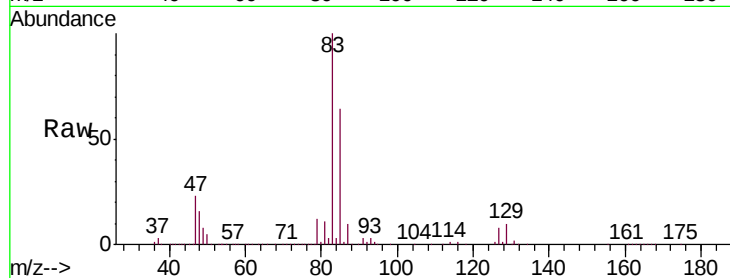
Tgt Ion: 83 Resp: 794373

Ion Ratio Lower Upper

83 100

85 64.1 43.1 80.1

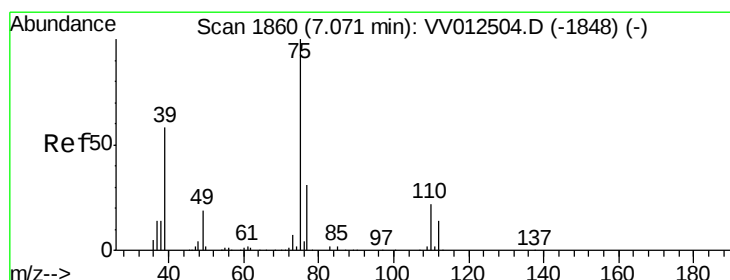
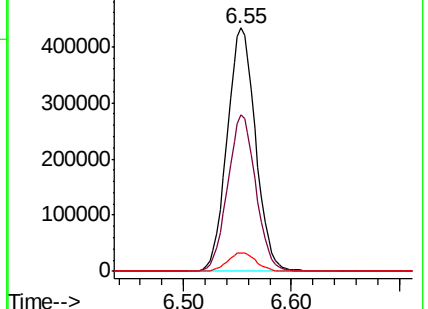
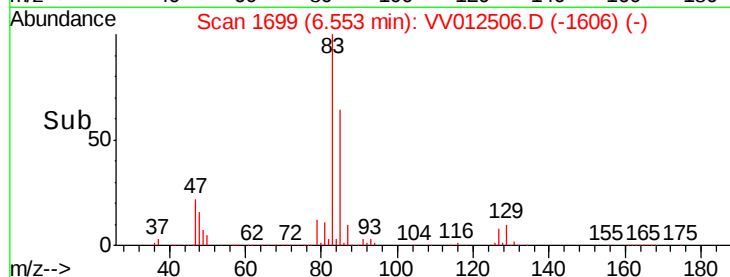
127 7.8 5.6 8.4



Abundance Ion 83.00 (82.70 to 83.70): VV012506.D (-1606) (-)

Ion 85.00 (84.70 to 85.70): VV012506.D (-1606) (-)

Ion 127.00 (126.70 to 127.70): VV012506.D (-1606) (-)



#39

cis-1,3-Dichloropropene

Concen: 233.194 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV012506.D

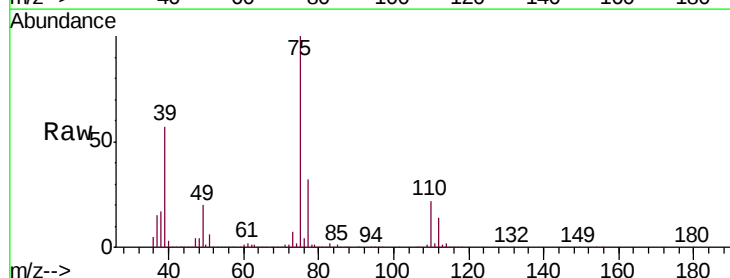
Acq: 01 Sep 2019 13:23

Tgt Ion: 75 Resp: 977407

Ion Ratio Lower Upper

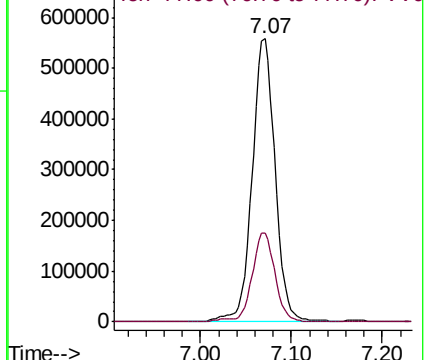
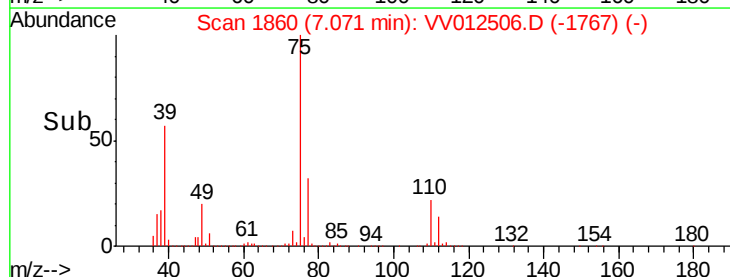
75 100

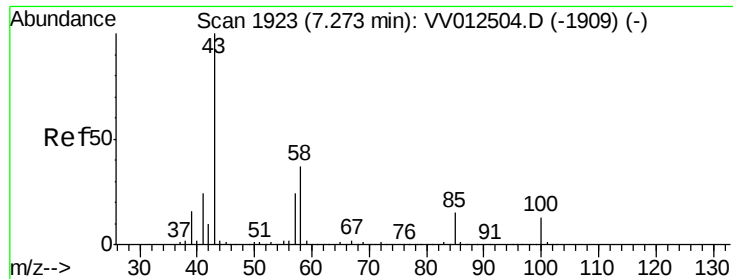
77 31.5 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV012506.D (-1767) (-)

Ion 77.00 (76.70 to 77.70): VV012506.D (-1767) (-)

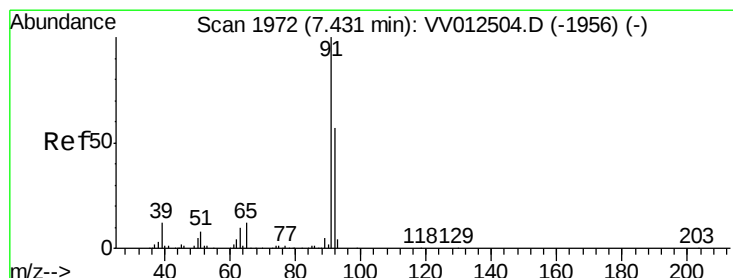
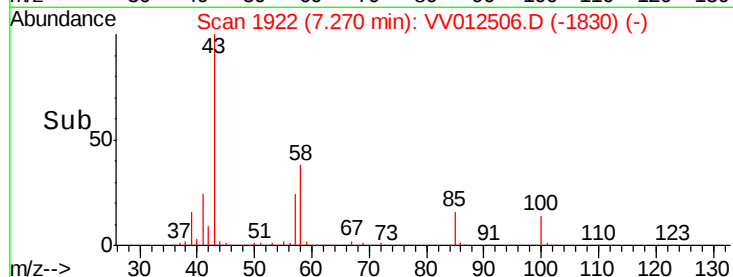
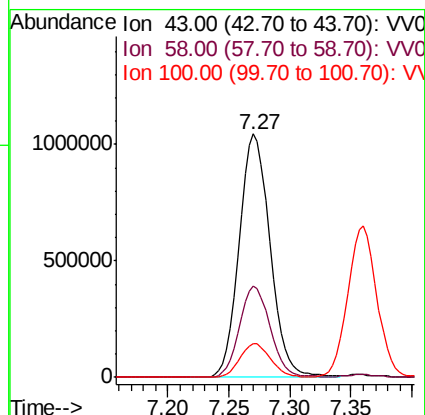
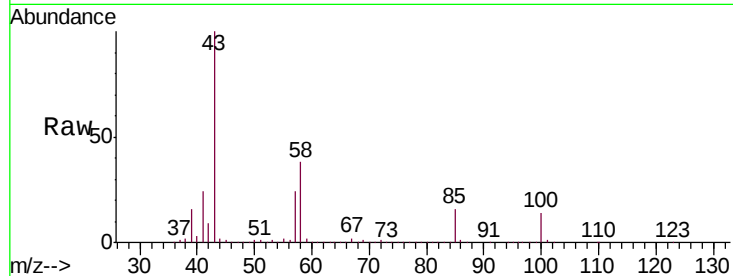




#40
4-Methyl-2-pentanone
Concen: 447.394 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VV012506.D
Acq: 01 Sep 2019 13:23

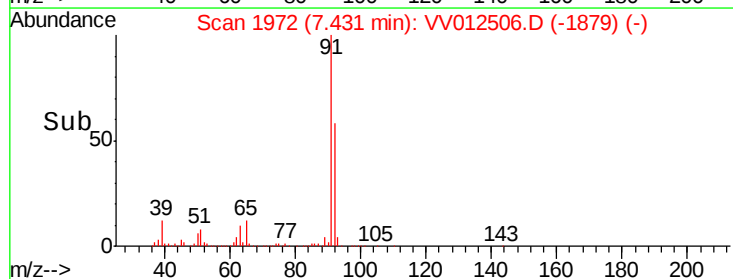
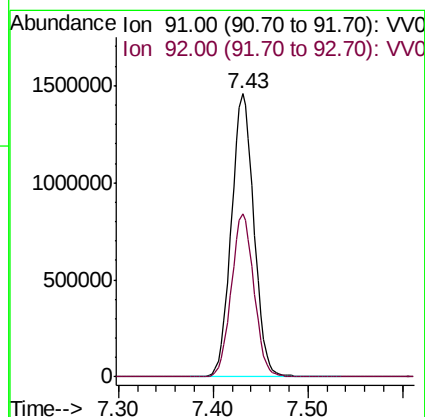
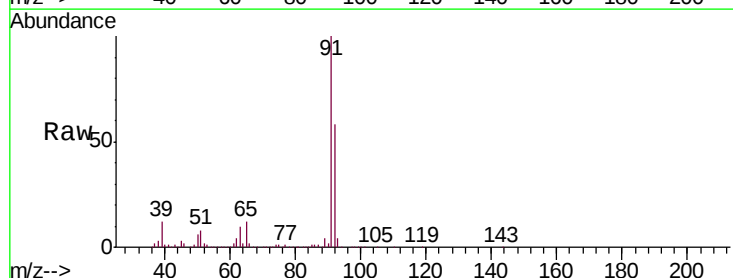
Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

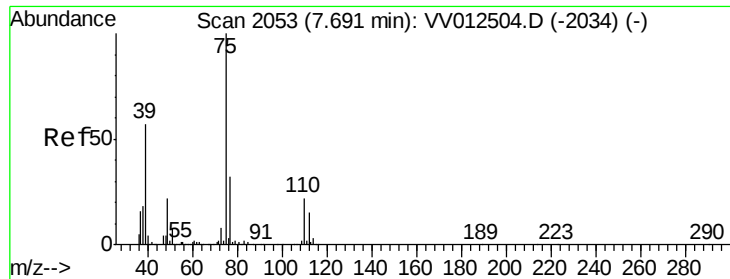
Tgt Ion: 43 Resp: 1830653
Ion Ratio Lower Upper
43 100
58 37.3 29.8 44.6
100 13.8 10.6 16.0



#42
Toluene
Concen: 212.211 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV012506.D
Acq: 01 Sep 2019 13:23

Tgt Ion: 91 Resp: 2418458
Ion Ratio Lower Upper
91 100
92 57.6 39.8 73.8





#44

trans-1,3-Dichloropropene

Concen: 232.333 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012506.D

Acq: 01 Sep 2019 13:23

Instrument :

MSVOA_V

ClientSampleId :

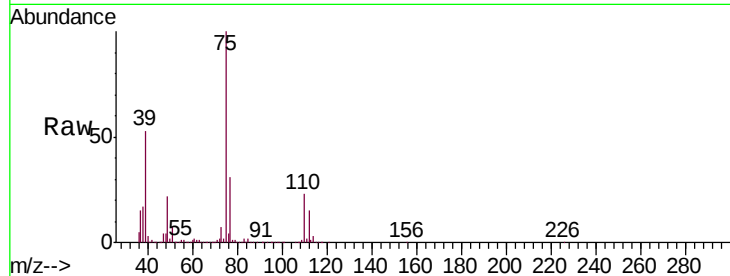
VSTD20066

Tgt Ion: 75 Resp: 881179

Ion Ratio Lower Upper

75 100

77 31.4 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VV012504.D (-2034) (-)

Ion 77.00 (76.70 to 77.70): VV012504.D (-2034) (-)

7.69

600000

500000

400000

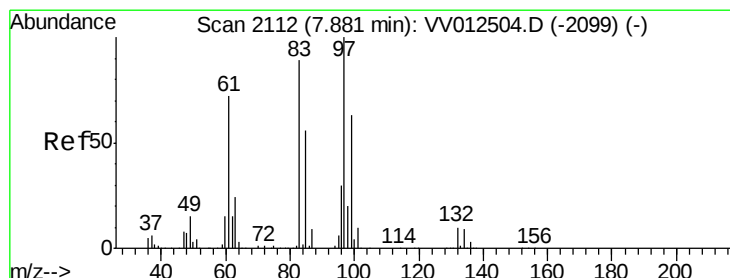
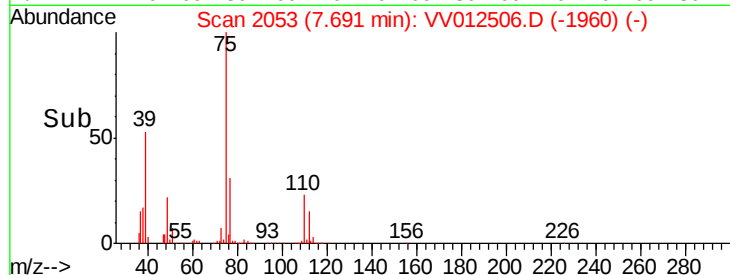
300000

200000

100000

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 206.007 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV012506.D

Acq: 01 Sep 2019 13:23

Tgt Ion: 97 Resp: 544463

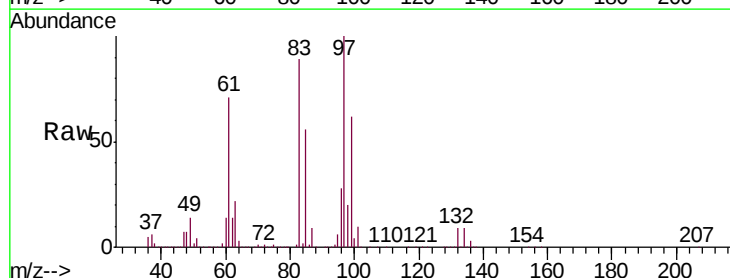
Ion Ratio Lower Upper

97 100

99 61.9 44.0 81.6

83 89.2 62.3 115.7

85 56.3 39.1 72.5



Abundance Ion 97.00 (96.70 to 97.70): VV012504.D (-2099) (-)

Ion 99.00 (98.70 to 99.70): VV012504.D (-2099) (-)

Ion 83.00 (82.70 to 83.70): VV012504.D (-2099) (-)

Ion 85.00 (84.70 to 85.70): VV012504.D (-2099) (-)

7.88

500000

400000

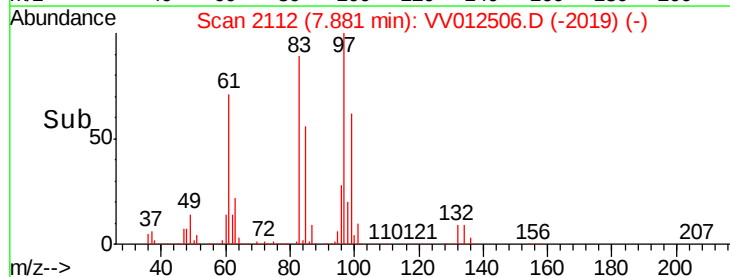
300000

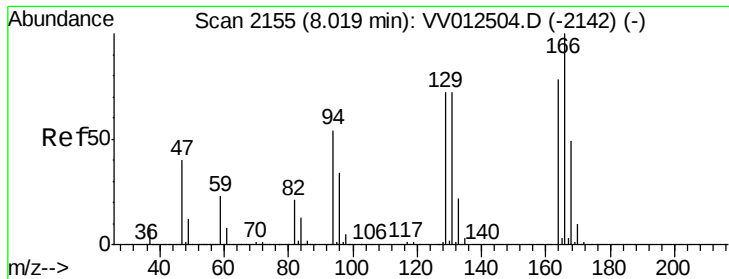
200000

100000

0

Time-->





#46

Tetrachloroethene

Concen: 204.817 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV012506.D

Acq: 01 Sep 2019 13:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

Tgt Ion:164 Resp: 413097

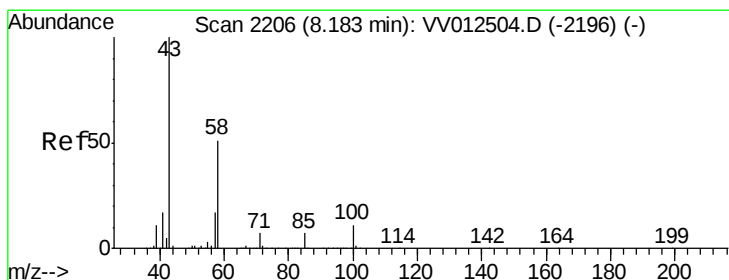
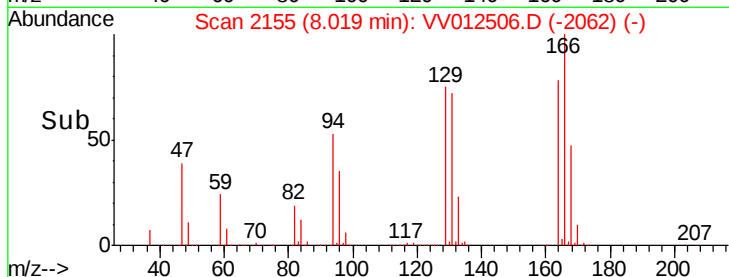
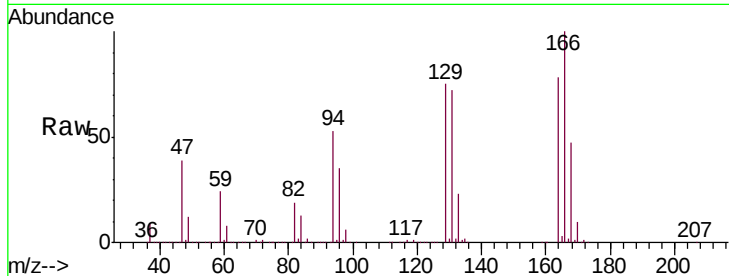
Ion Ratio Lower Upper

164 100

129 95.8 64.8 120.4

131 92.7 64.3 119.5

166 127.9 89.7 166.7



#48

2-Hexanone

Concen: 442.550 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV012506.D

Acq: 01 Sep 2019 13:23

Tgt Ion: 43 Resp: 1417927

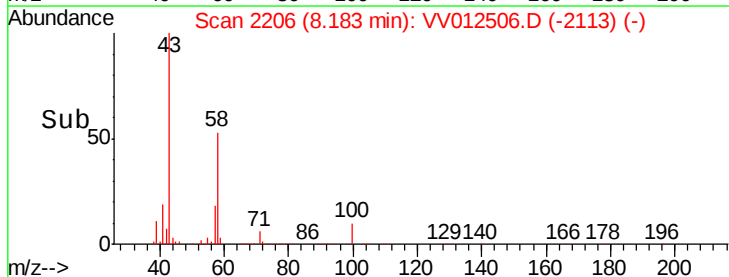
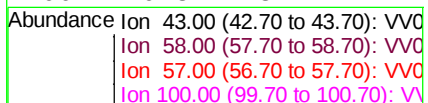
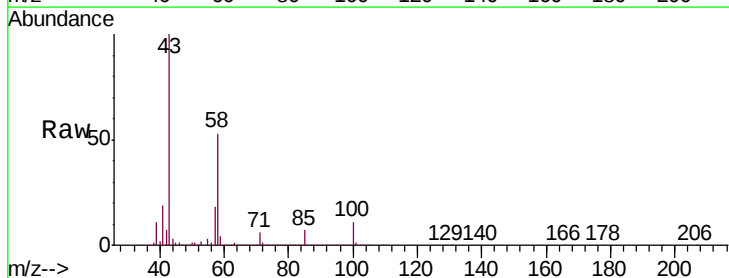
Ion Ratio Lower Upper

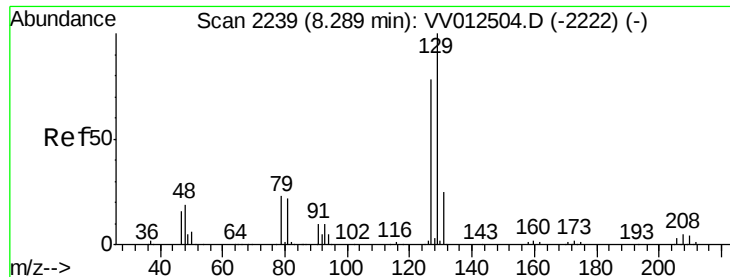
43 100

58 52.8 40.6 61.0

57 18.0 13.3 19.9

100 10.8 8.1 12.1





#49

Dibromochloromethane

Concen: 218.047 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV012506.D

Acq: 01 Sep 2019 13:23

Instrument :

MSVOA_V

ClientSampleId :

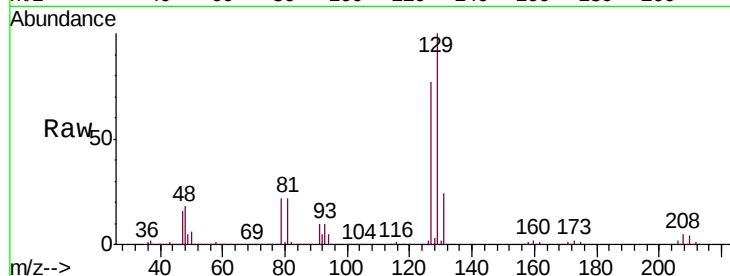
VSTD20066

Tgt Ion:129 Resp: 604293

Ion Ratio Lower Upper

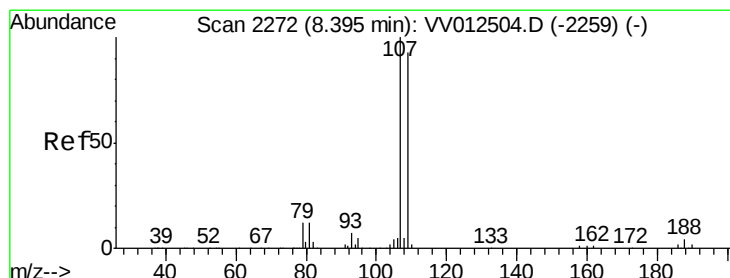
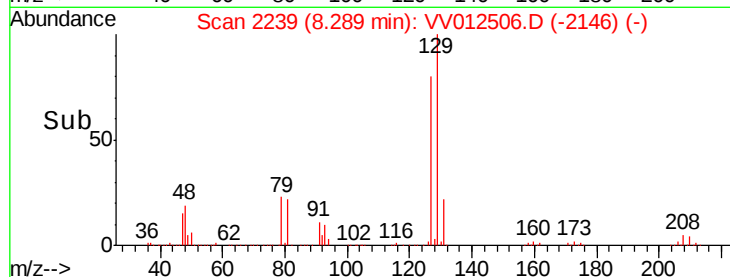
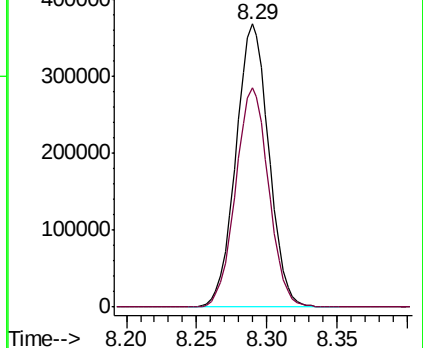
129 100

127 77.4 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 209.539 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV012506.D

Acq: 01 Sep 2019 13:23

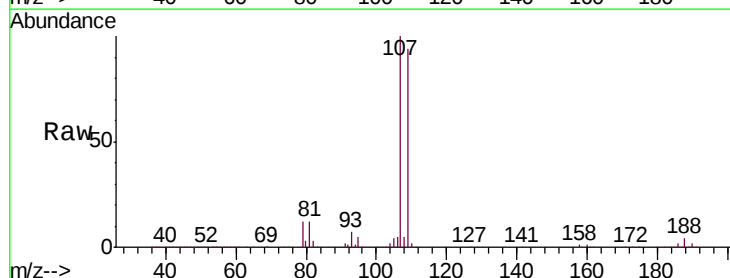
Tgt Ion:107 Resp: 572746

Ion Ratio Lower Upper

107 100

109 94.4 65.0 120.6

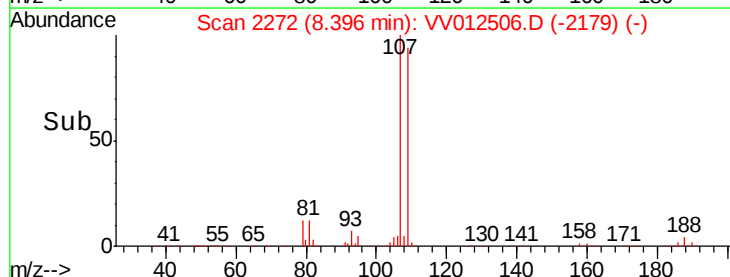
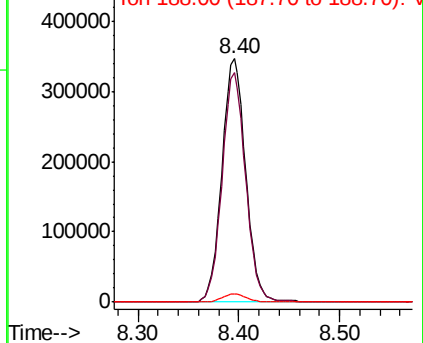
188 3.6 3.0 4.4

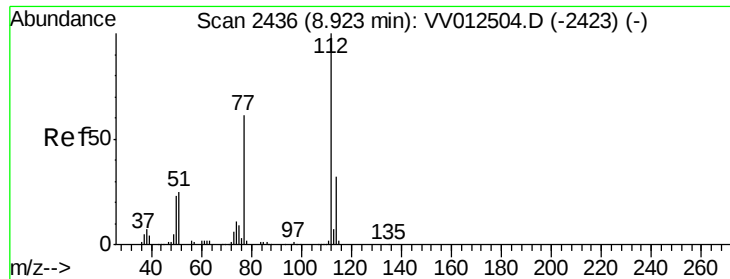


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 207.627 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV012506.D

Acq: 01 Sep 2019 13:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

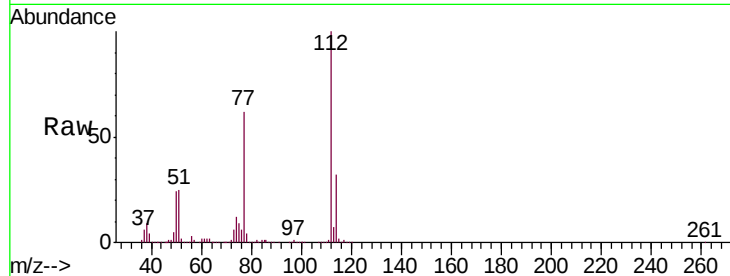
Tgt Ion:112 Resp: 1485784

Ion Ratio Lower Upper

112 100

114 32.1 22.5 41.7

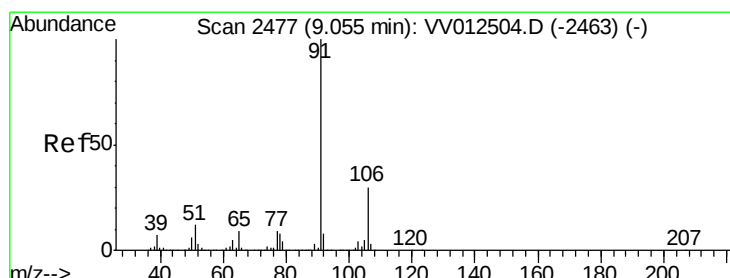
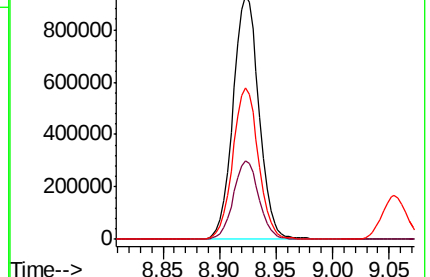
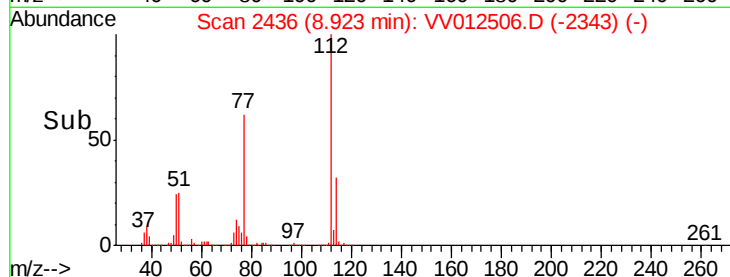
77 62.1 49.4 74.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 221.585 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012506.D

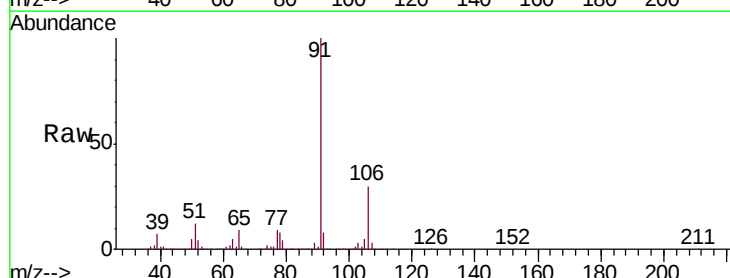
Acq: 01 Sep 2019 13:23

Tgt Ion: 91 Resp: 2736742

Ion Ratio Lower Upper

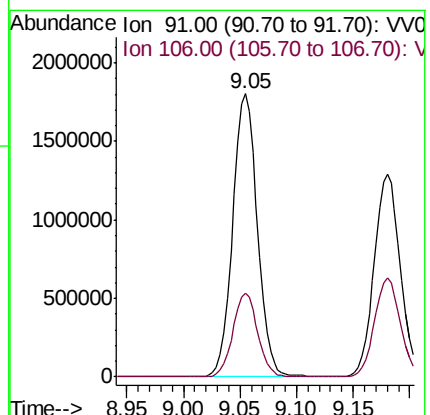
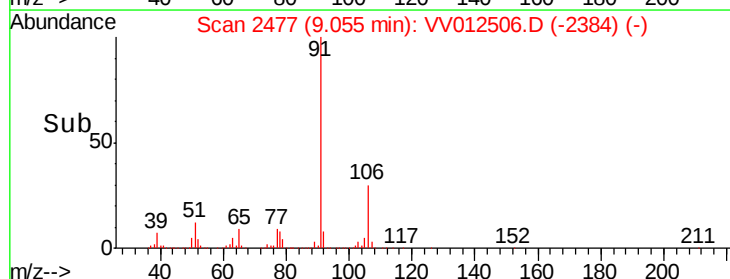
91 100

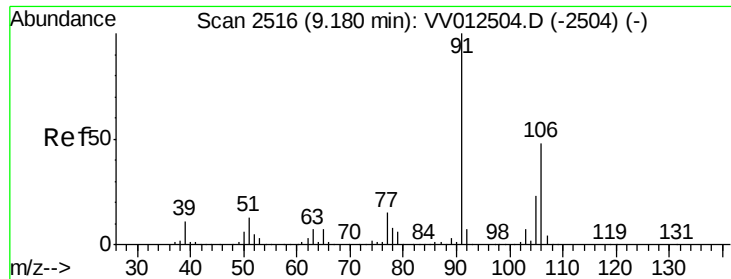
106 29.8 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 225.226 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012506.D

Acq: 01 Sep 2019 13:23

Instrument :

MSVOA_V

ClientSampleID :

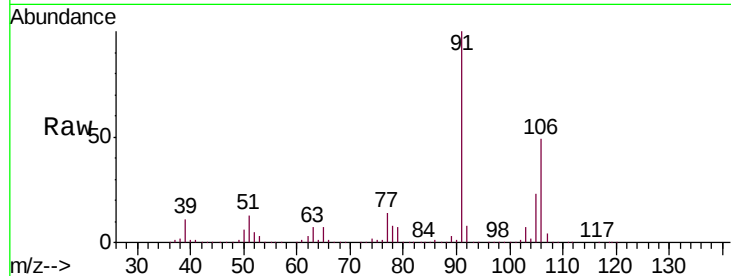
VSTD20066

Tgt Ion:106 Resp: 999106

Ion Ratio Lower Upper

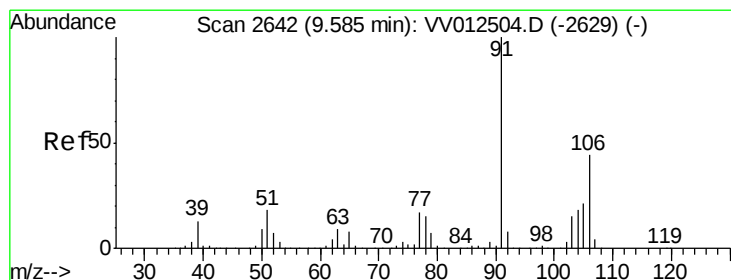
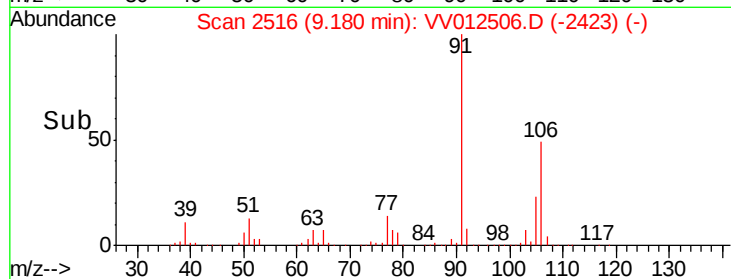
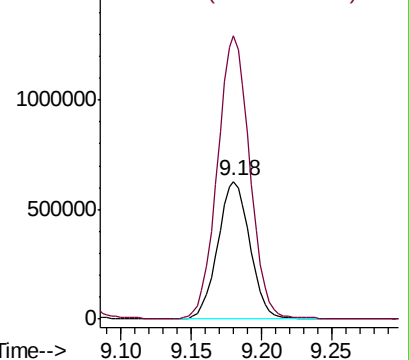
106 100

91 205.2 146.2 271.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 225.423 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012506.D

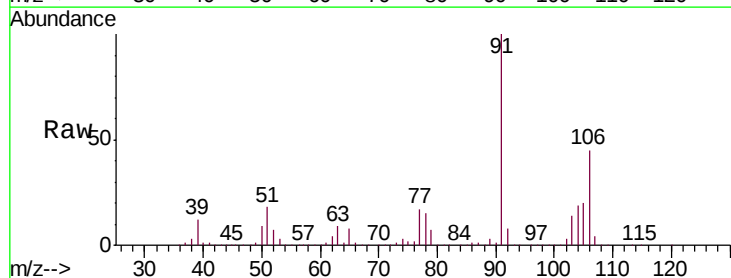
Acq: 01 Sep 2019 13:23

Tgt Ion:106 Resp: 997635

Ion Ratio Lower Upper

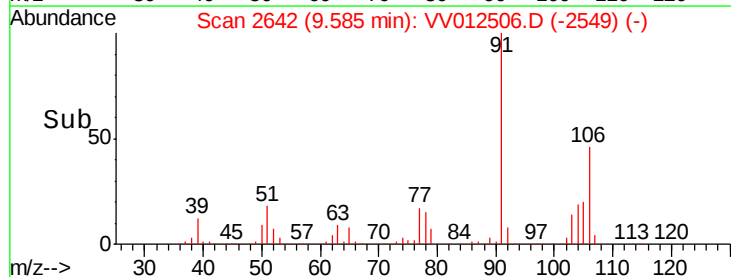
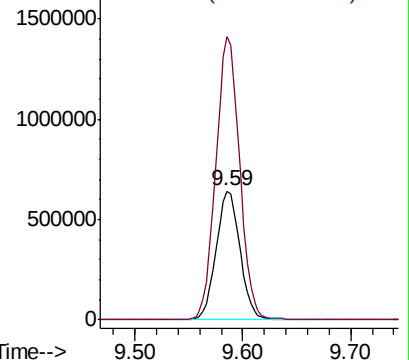
106 100

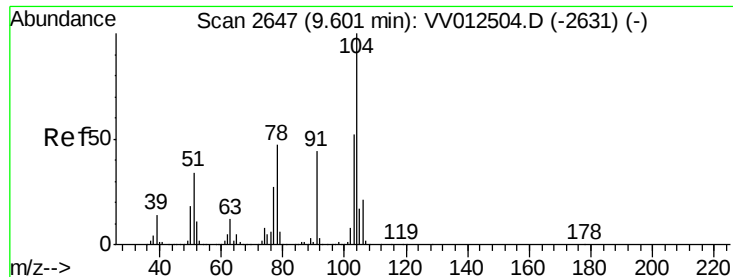
91 219.8 157.7 292.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

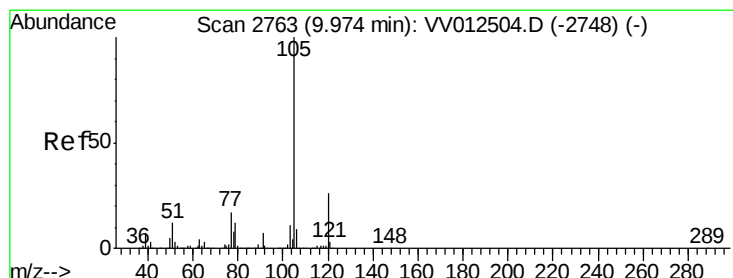
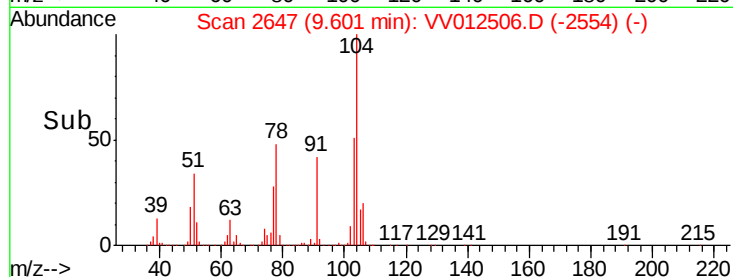
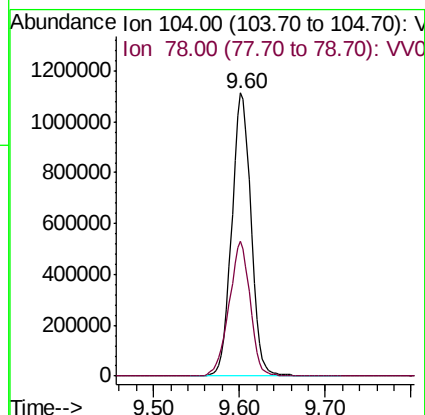
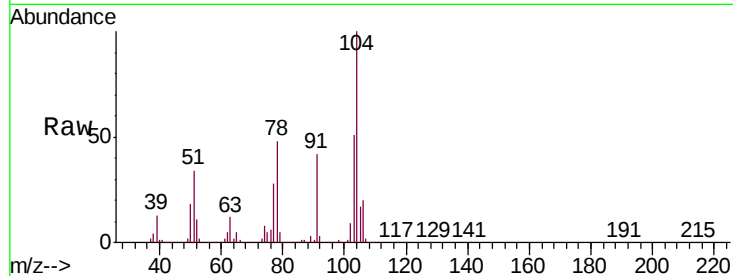




#55
Styrene
Concen: 230.771 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV012506.D
Acq: 01 Sep 2019 13:23

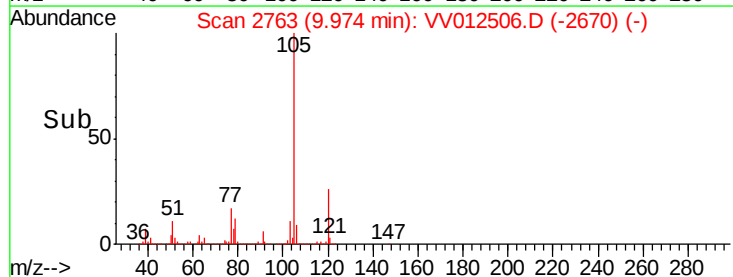
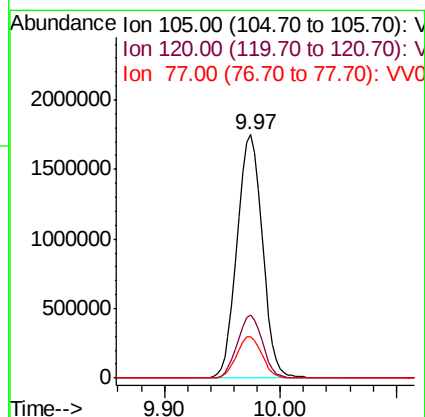
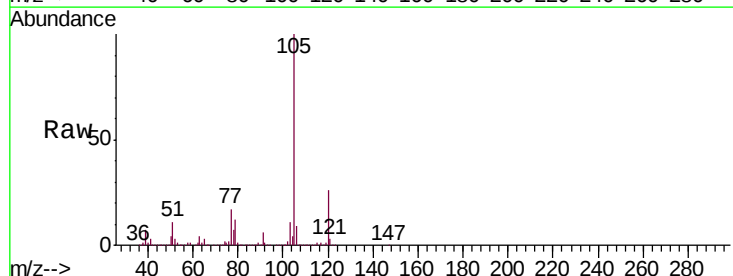
Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

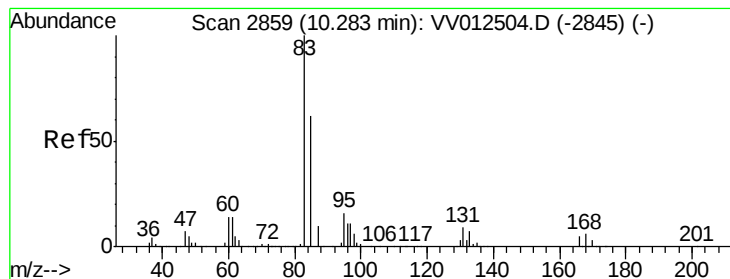
Tgt Ion:104 Resp: 1729496
Ion Ratio Lower Upper
104 100
78 47.6 33.2 61.6



#56
Isopropylbenzene
Concen: 229.224 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV012506.D
Acq: 01 Sep 2019 13:23

Tgt Ion:105 Resp: 2645208
Ion Ratio Lower Upper
105 100
120 25.5 20.4 30.6
77 17.0 13.8 20.6





#58

1,1,2,2-Tetrachloroethane

Concen: 221.805 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012506.D

Acq: 01 Sep 2019 13:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

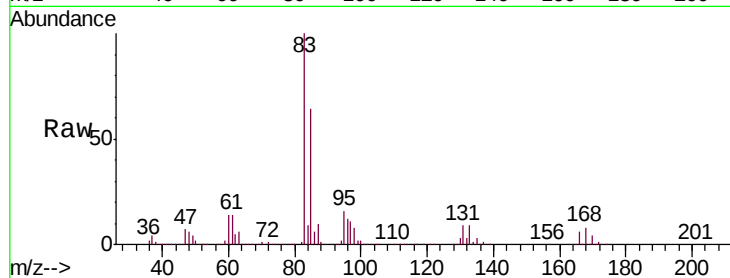
Tgt Ion: 83 Resp: 869393

Ion Ratio Lower Upper

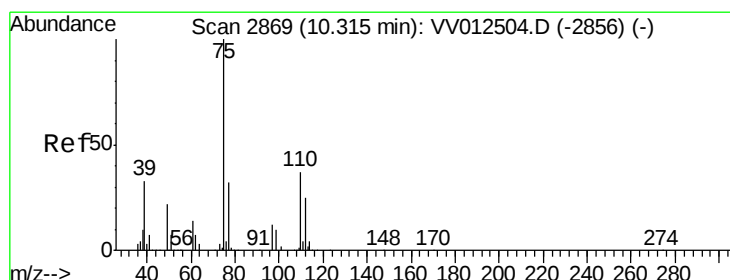
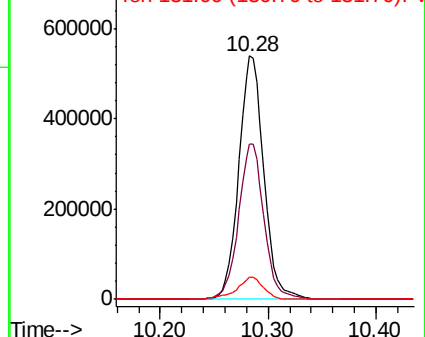
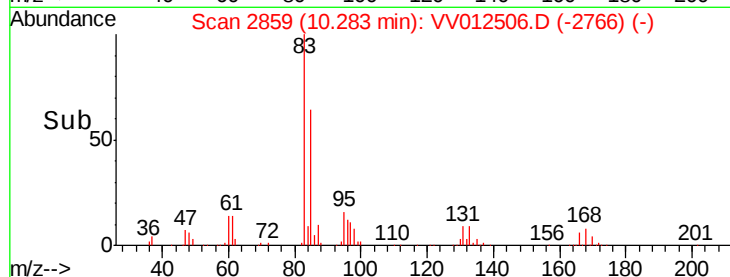
83 100

85 64.0 43.4 80.6

131 9.0 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VV012506.D (-2766) (-)



#59

1,2,3-Trichloropropane

Concen: 203.360 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012506.D

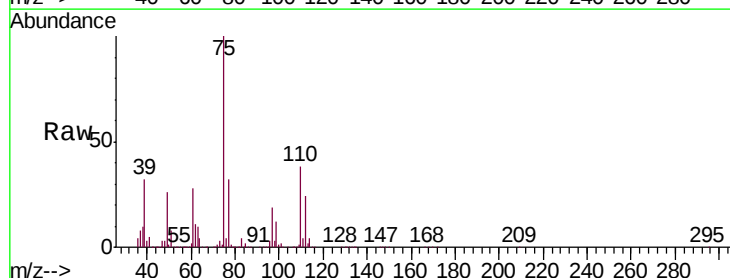
Acq: 01 Sep 2019 13:23

Tgt Ion: 75 Resp: 720840

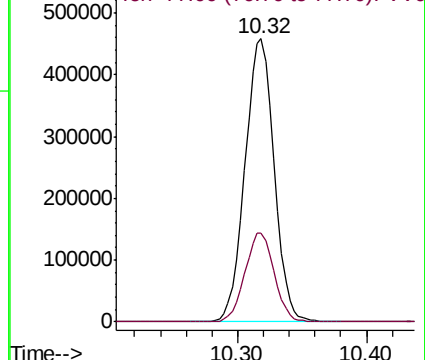
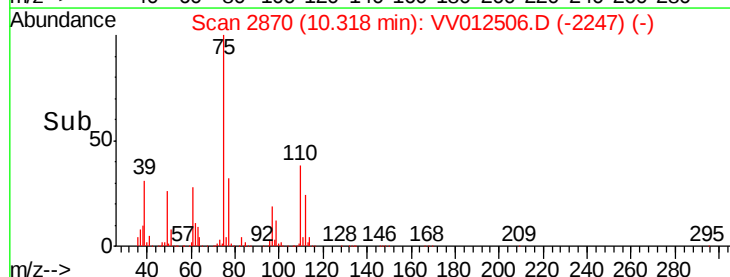
Ion Ratio Lower Upper

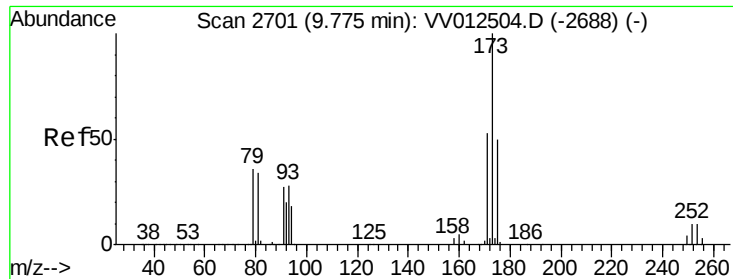
75 100

77 31.5 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VV012506.D (-2247) (-)

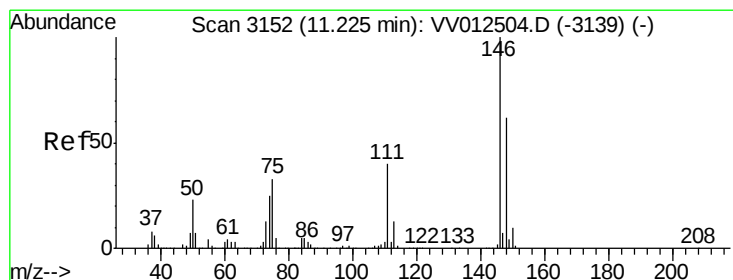
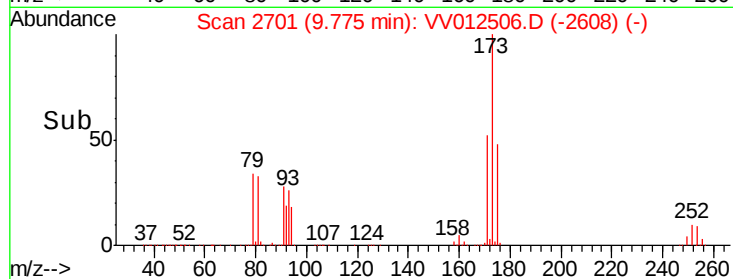
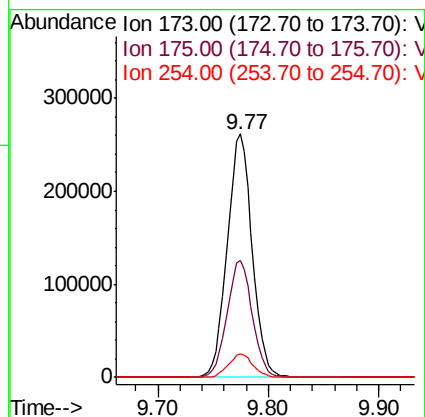
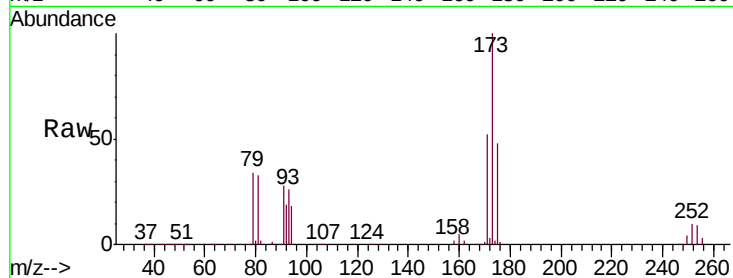




#61
Bromoform
Concen: 213.062 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VV012506.D
Acq: 01 Sep 2019 13:23

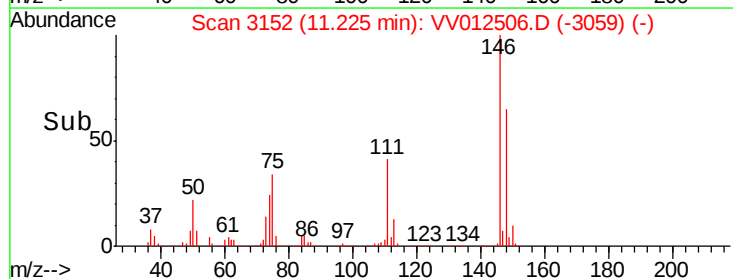
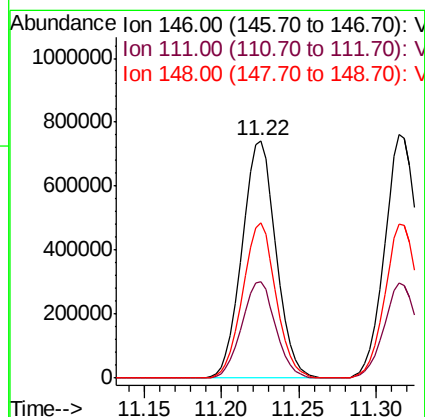
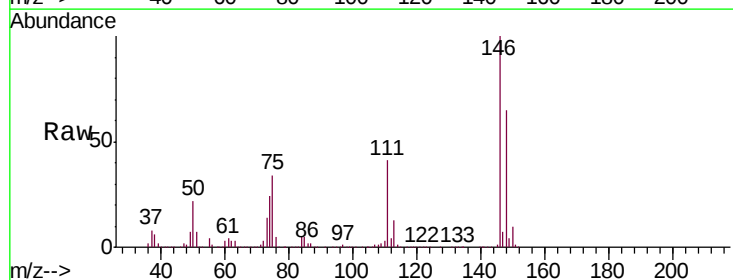
Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

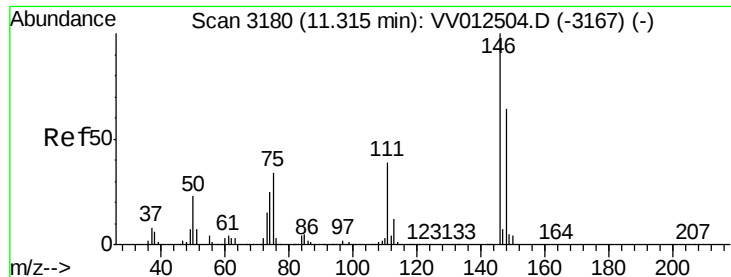
Tgt Ion:173 Resp: 409955
Ion Ratio Lower Upper
173 100
175 48.6 39.4 59.0
254 9.3 7.5 11.3



#62
1,3-Dichlorobenzene
Concen: 204.774 ug/L
RT: 11.22 min Scan# 3152
Delta R.T. 0.00 min
Lab File: VV012506.D
Acq: 01 Sep 2019 13:23

Tgt Ion:146 Resp: 1133700
Ion Ratio Lower Upper
146 100
111 40.8 27.7 51.5
148 65.5 43.4 80.6

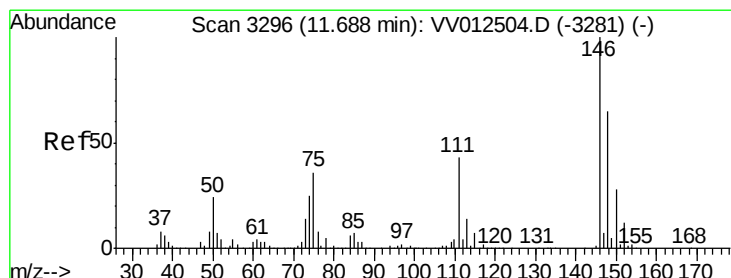
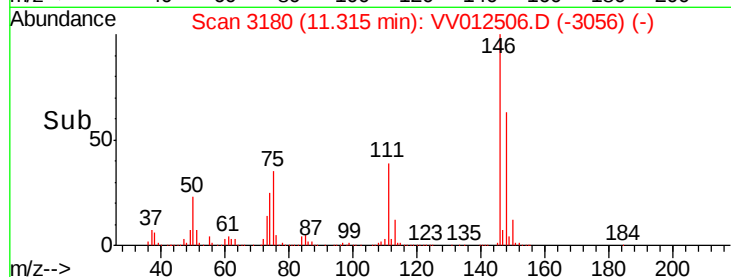
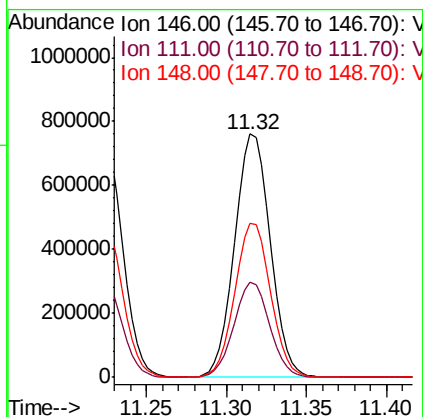
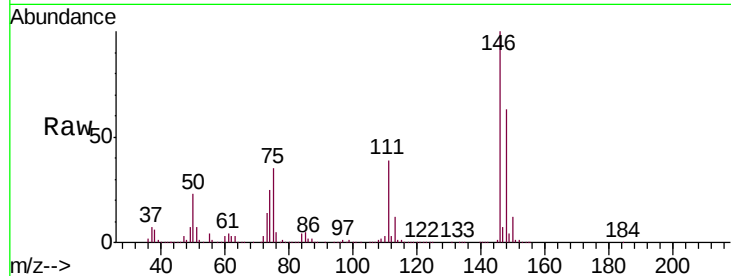




#63
 1,4-Dichlorobenzene
 Concen: 201.260 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012506.D
 Acq: 01 Sep 2019 13:23

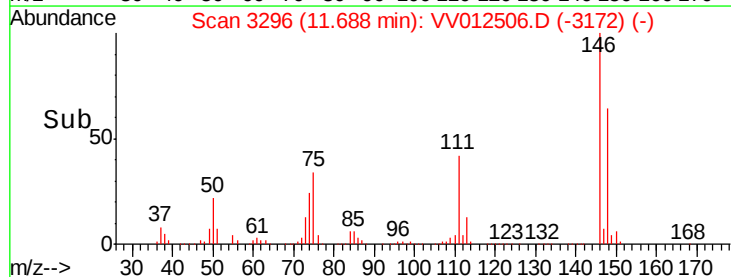
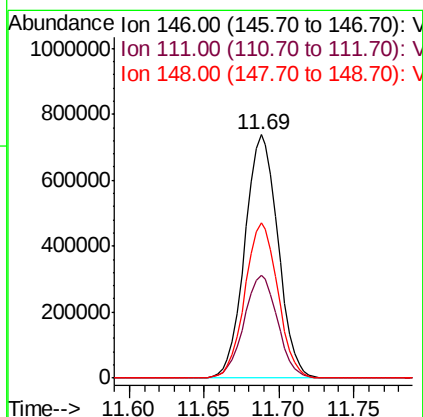
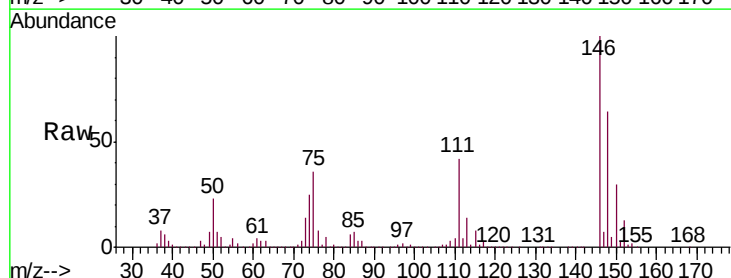
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20066

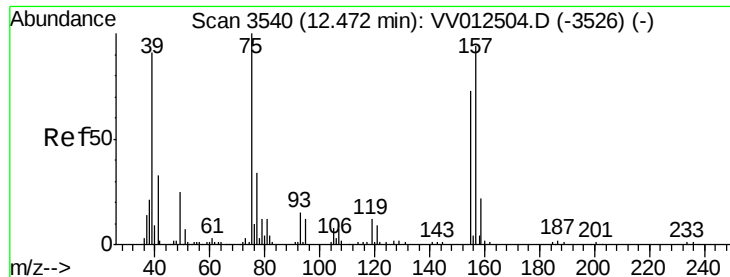
Tgt Ion:146 Resp: 1153041
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.6 51.4
 148 63.3 44.6 82.8



#65
 1,2-Dichlorobenzene
 Concen: 202.911 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012506.D
 Acq: 01 Sep 2019 13:23

Tgt Ion:146 Resp: 1135952
 Ion Ratio Lower Upper
 146 100
 111 42.5 34.4 51.6
 148 63.7 51.6 77.4

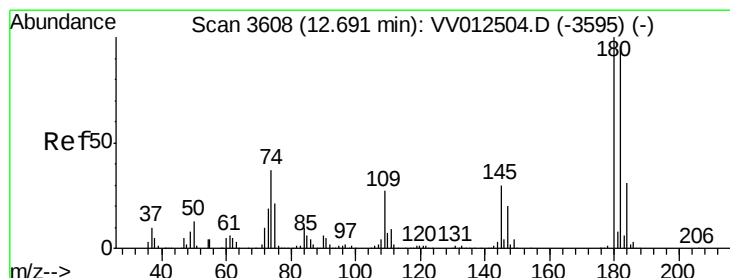
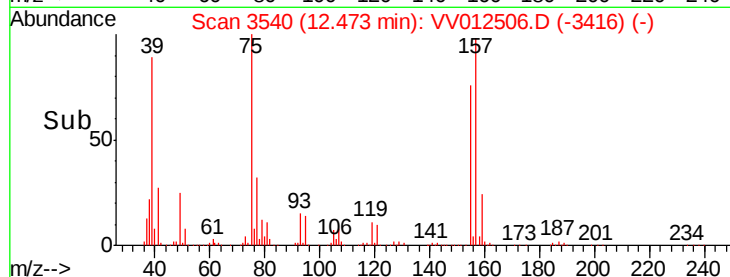
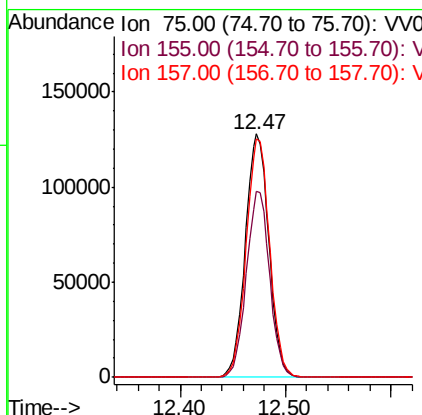
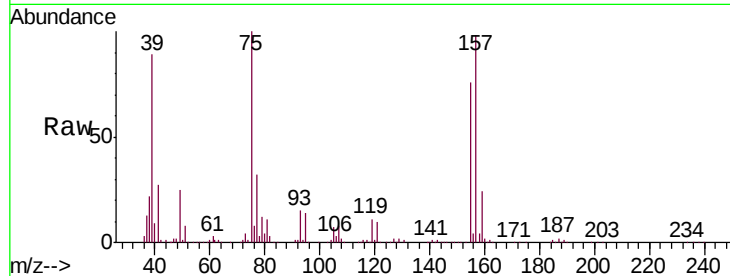




#66
 1,2-Dibromo-3-chloropropane
 Concen: 210.014 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV012506.D
 Acq: 01 Sep 2019 13:23

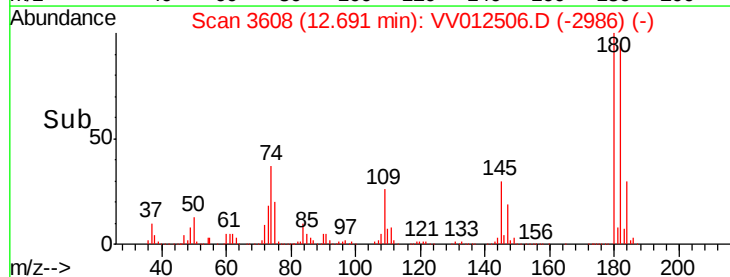
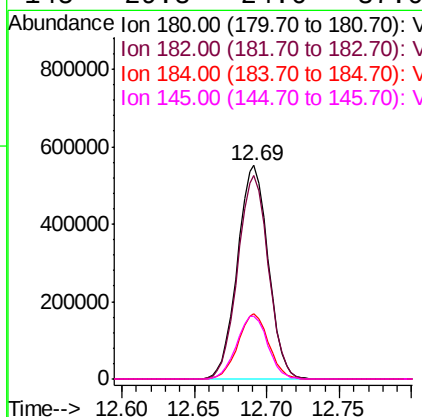
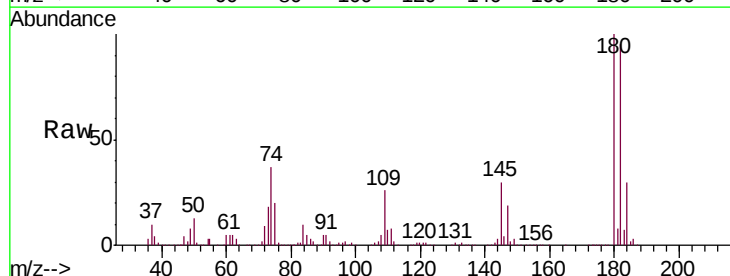
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20066

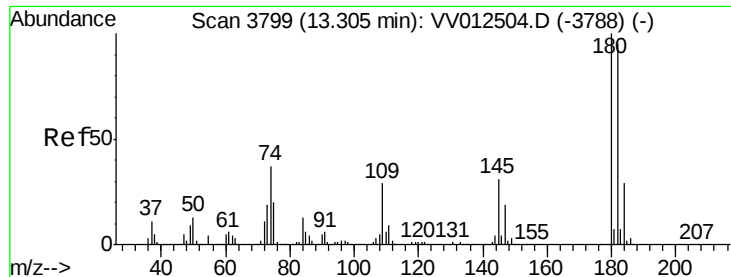
Tgt Ion: 75 Resp: 198137
 Ion Ratio Lower Upper
 75 100
 155 76.1 58.2 87.2
 157 98.1 75.4 113.2



#67
 1,3,5-Trichlorobenzene
 Concen: 220.343 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012506.D
 Acq: 01 Sep 2019 13:23

Tgt Ion: 180 Resp: 814907
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.7 115.1
 184 30.0 24.2 36.4
 145 29.8 24.6 37.0

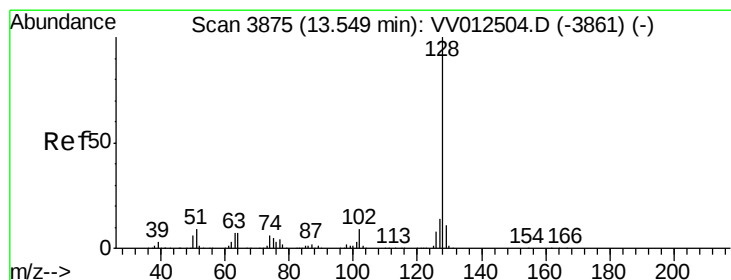
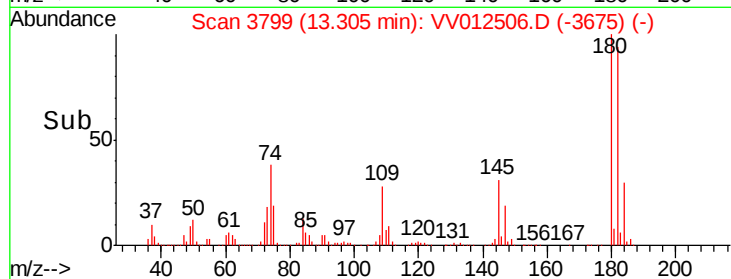
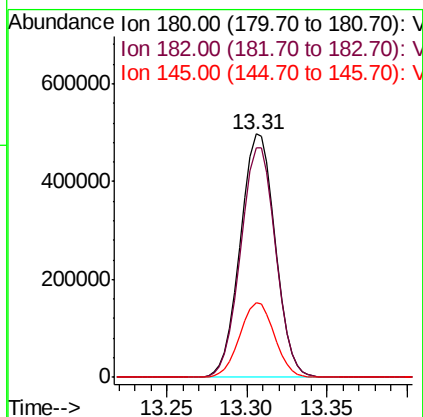
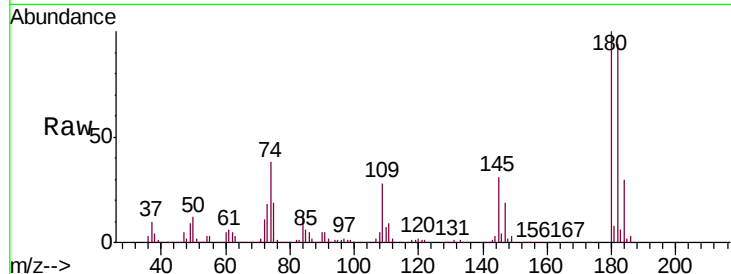




#68
 1,2,4-trichlorobenzene
 Concen: 242.031 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV012506.D
 Acq: 01 Sep 2019 13:23

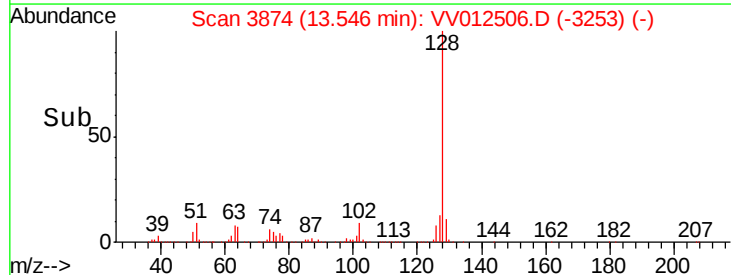
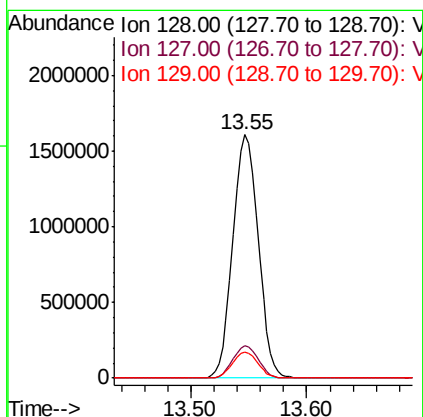
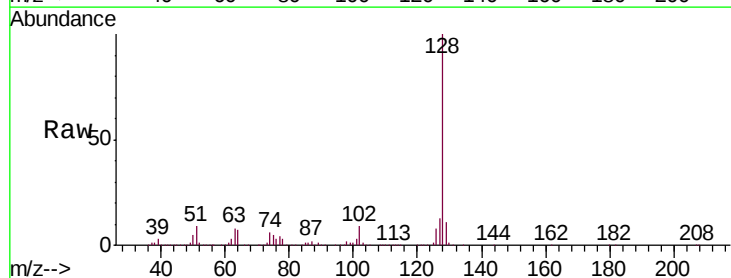
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20066

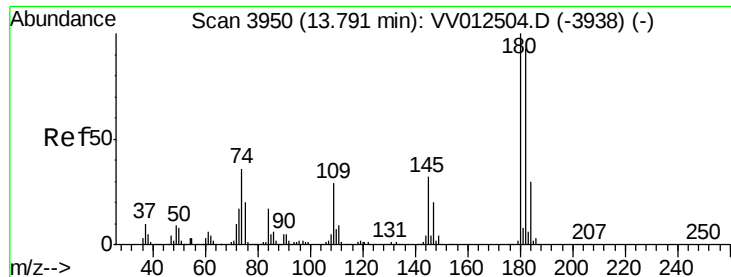
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.9	116.9
145	30.5	25.0	37.4



#69
 Naphthalene
 Concen: 257.392 ug/L
 RT: 13.55 min Scan# 3874
 Delta R.T. -0.00 min
 Lab File: VV012506.D
 Acq: 01 Sep 2019 13:23

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.9	16.3
129	10.9	8.7	13.1





#70
 1,2,3-Trichlorobenzene
 Concen: 238.231 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VV012506.D
 Acq: 01 Sep 2019 13:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20066

Tgt Ion:	180	Resp:	745552
Ion	Ratio	Lower	Upper
180	100		
182	95.1	74.2	111.2
145	32.1	25.9	38.9

