

Data File : VV010414.D
Acq On : 22 Apr 2019 14:28
Operator : SY/MD
Sample : VSTD10081
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10081

Quant Time: Apr 22 14:51:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 22 14:00:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	531519	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	598254	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	353994	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	630842	93.47	ug/L	0.00
7) Chloroethane-d5	1.56	69	493531	87.05	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	1198325	73.59	ug/L	0.00
20) 2-Butanone-d5	3.93	46	395873	188.34	ug/L	0.00
24) Chloroform-d	4.40	84	1339201	95.84	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	799331	96.90	ug/L	0.00
29) Benzene-d6	5.10	84	2509838	81.96	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	747840	83.44	ug/L	0.00
37) Toluene-d8	7.36	98	2908122	98.78	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	422000	95.74	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	368475	184.65	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	887729	99.04	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	1344983	96.64	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	768542	95.325 ug/L	99
3) Chloromethane	1.25	50	672185	95.935 ug/L	97
5) Vinyl chloride	1.32	62	700280	95.674 ug/L	100
6) Bromomethane	1.51	94	266279	56.875 ug/L	99
8) Chloroethane	1.58	64	403451	86.484 ug/L	99
9) Trichlorofluoromethane	1.76	101	1225967	81.553 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	676370	85.413 ug/L	99
12) 1,1-Dichloroethene	2.13	96	596482	86.386 ug/L	96
13) Acetone	2.19	43	304449	137.249 ug/L	99
14) Carbon disulfide	2.31	76	1399772	82.185 ug/L	100
15) Methyl Acetate	2.46	43	282627	78.058 ug/L	98
16) Methylene chloride	2.53	84	586517	69.085 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	1623397	97.631 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	563869	86.086 ug/L	98
19) 1,1-Dichloroethane	3.23	63	1042751	93.196 ug/L	99
21) 2-Butanone	4.01	43	411306	171.049 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	666278	89.295 ug/L	97
23) Bromochloromethane	4.30	128	331037	88.643 ug/L	94
25) Chloroform	4.42	83	1218243	93.432 ug/L	99
27) 1,2-Dichloroethane	5.18	62	895544	96.130 ug/L	99
30) Cyclohexane	4.72	56	876704	79.959 ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	1121133	85.003 ug/L	98
32) Carbon tetrachloride	4.87	117	1057563	84.982 ug/L	100
34) Benzene	5.15	78	2383610	81.647 ug/L	100
35) Trichloroethene	5.96	95	696275	80.612 ug/L	99
36) Methylcyclohexane	6.18	83	1056867	84.031 ug/L	98
40) 1,2-Dichloropropane	6.22	63	618835	82.647 ug/L	100
41) Bromodichloromethane	6.55	83	957902	91.165 ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	1074924	95.184 ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	968864	165.616 ug/L	98

Data File : VV010414.D
Acq On : 22 Apr 2019 14:28
Operator : SY/MD
Sample : VSTD10081
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10081

Quant Time: Apr 22 14:51:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 22 14:00:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	3255798	98.925	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	1051161	99.835	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	582462	86.346	ug/L	99
47) Tetrachloroethene	8.02	164	662342	85.942	ug/L	97
49) 2-Hexanone	8.18	43	725491	177.174	ug/L #	89
50) Dibromochloromethane	8.29	129	873655	105.484	ug/L	97
51) 1,2-Dibromoethane	8.40	107	642346	96.020	ug/L	99
52) Chlorobenzene	8.93	112	2339569	102.164	ug/L	95
53) Ethylbenzene	9.05	91	3808151	101.846	ug/L	99
54) m,p-Xylene	9.18	106	1536929	106.185	ug/L	95
55) o-xylene	9.59	106	1506016	107.887	ug/L	95
56) Styrene	9.60	104	2585579	108.473	ug/L	92
57) Isopropylbenzene	9.97	105	3933860	105.759	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	830383	95.197	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	590238	93.447	ug/L	99
62) Bromoform	9.77	173	604262	110.419	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	2073167	96.029	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	2093435	94.049	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	1966359	94.336	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	137531	82.560	ug/L	84
67) 1,3,5-Trichlorobenzene	12.69	180	1700172	94.687	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	1427307	99.466	ug/L	99
69) Naphthalene	13.55	128	2545024	96.038	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	1328883	95.301	ug/L	99

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

Data File : VV010414.D

Acq On : 22 Apr 2019 14:28

Operator : SY/MD

Sample : VSTD10081

Misc : 5.00G/10mL/MSV0A V/SOIL

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

Instrument :
MSVOA_V
ClientSampleId :
VSTD10081

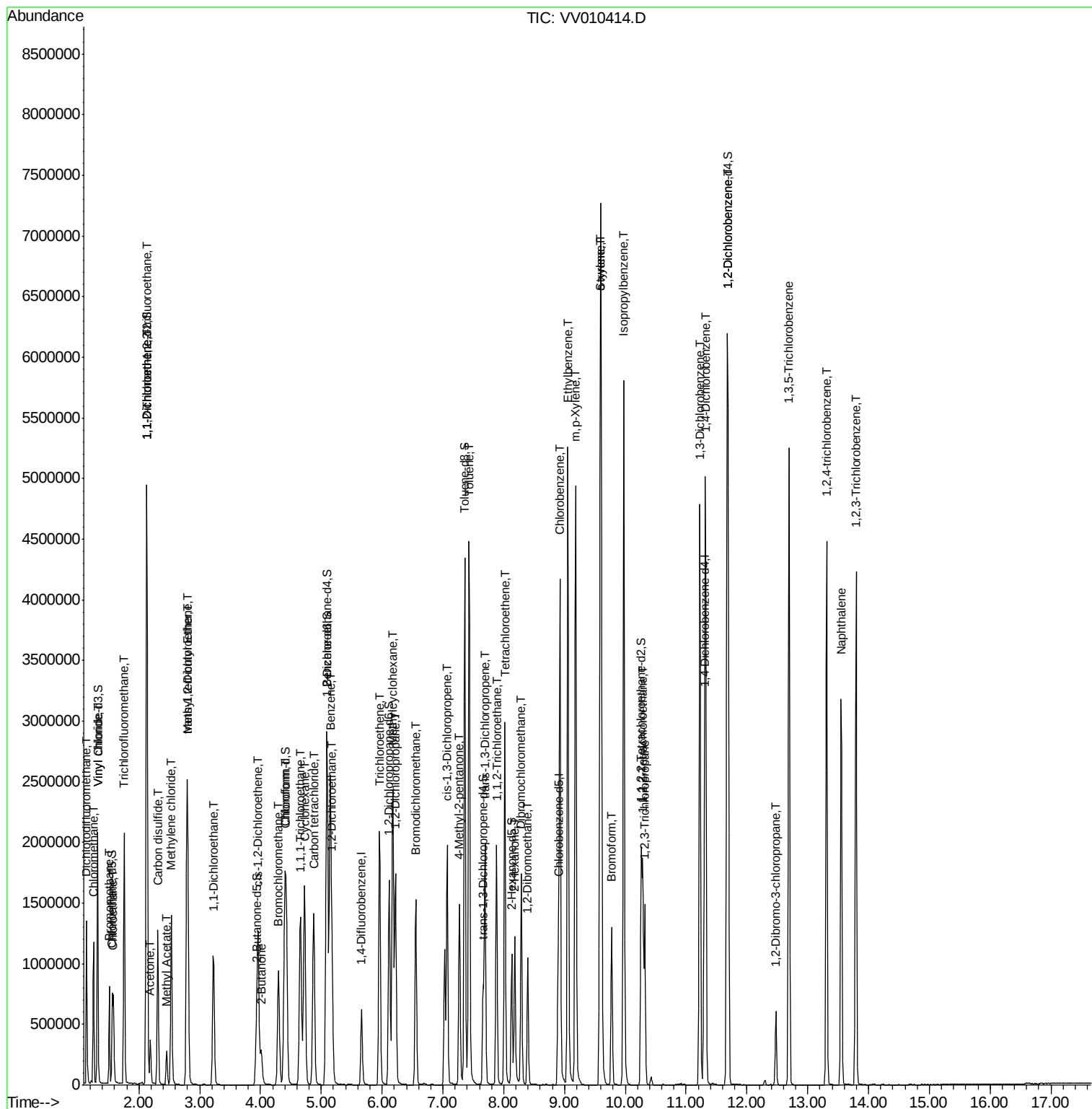
Quant Time: Apr 22 14:51:44 2019

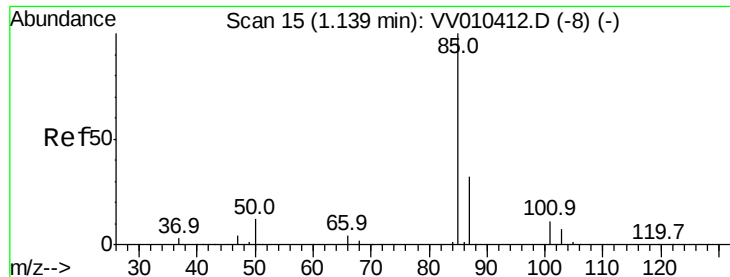
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM042219S.M

Quant Title : VOC Analysis

QLast Update : Mon Apr 22 14:00:39 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 95.325 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

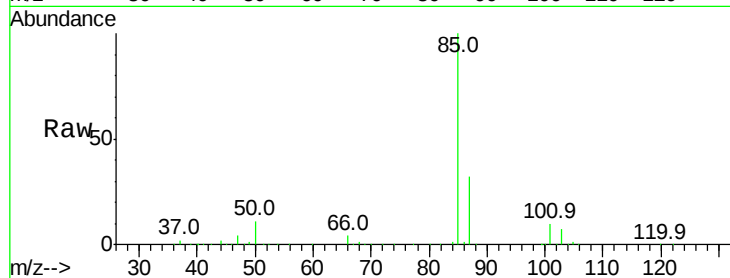
VSTD10081

Tgt Ion: 85 Resp: 768542

Ion Ratio Lower Upper

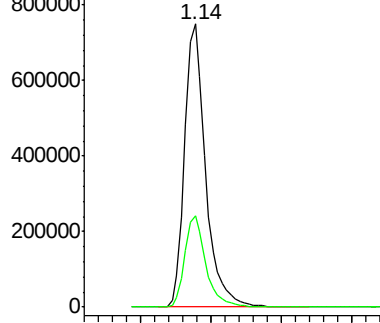
85 100

87 32.3 23.0 42.6

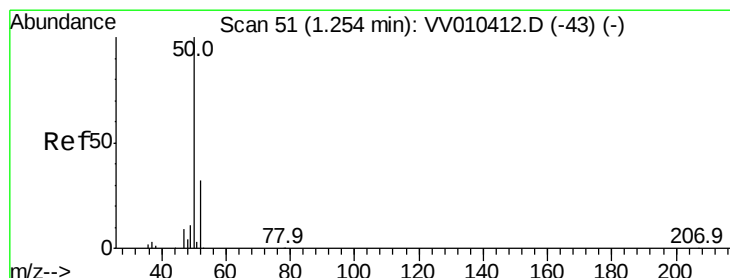
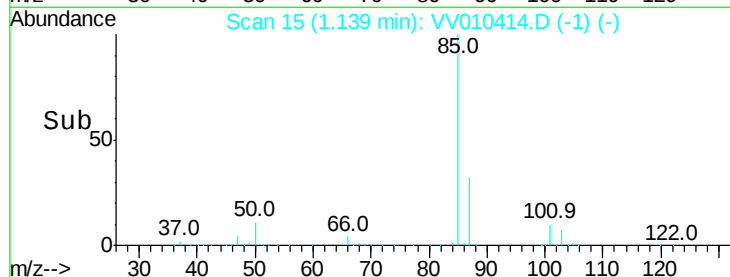


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time-->



#3

Chloromethane

Concen: 95.935 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV010414.D

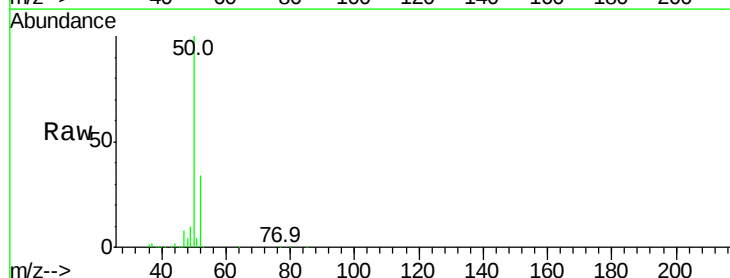
Acq: 22 Apr 2019 14:28

Tgt Ion: 50 Resp: 672185

Ion Ratio Lower Upper

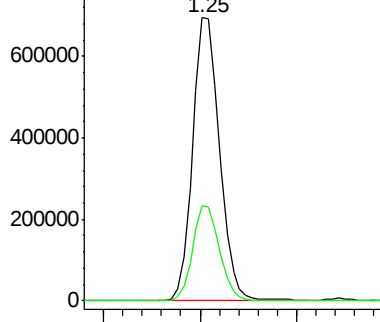
50 100

52 33.5 22.3 41.5

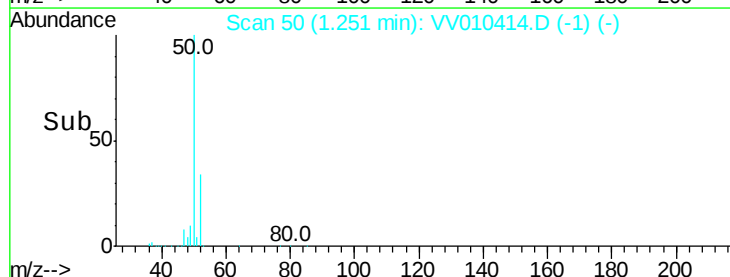


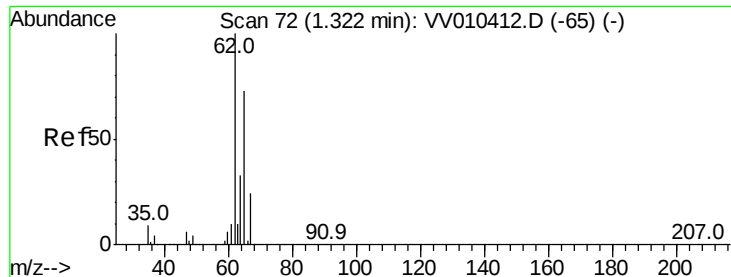
Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



Time-->





#5

Vinyl chloride

Concen: 95.674 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

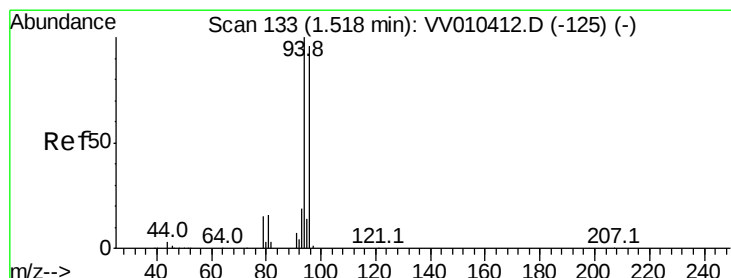
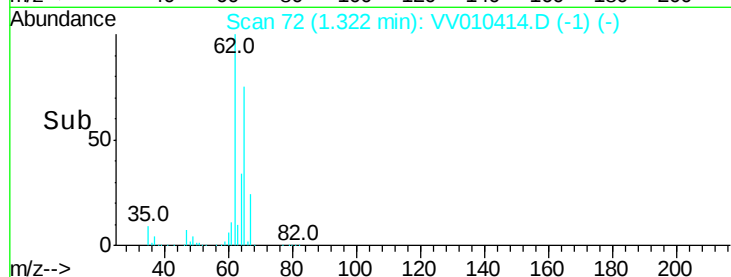
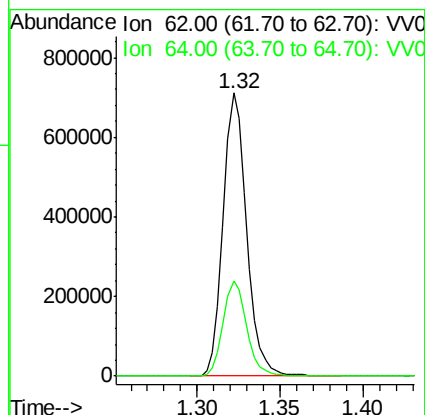
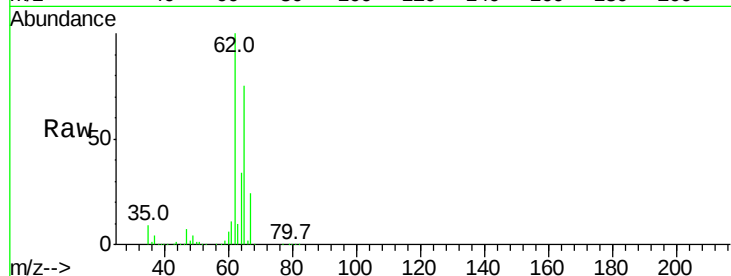
VSTD10081

Tgt Ion: 62 Resp: 700280

Ion Ratio Lower Upper

62 100

64 33.6 23.4 43.6



#6

Bromomethane

Concen: 56.875 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.01 min

Lab File: VV010414.D

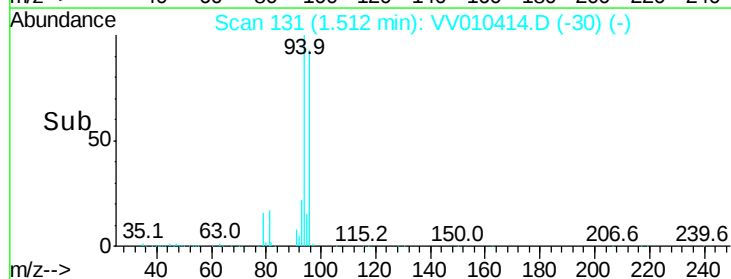
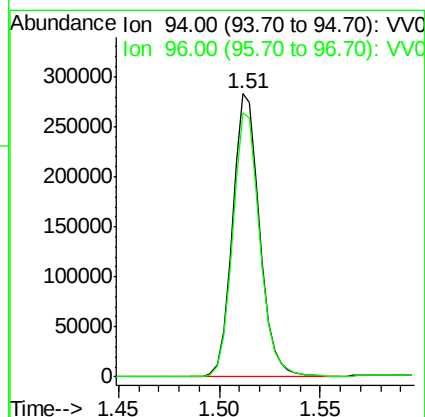
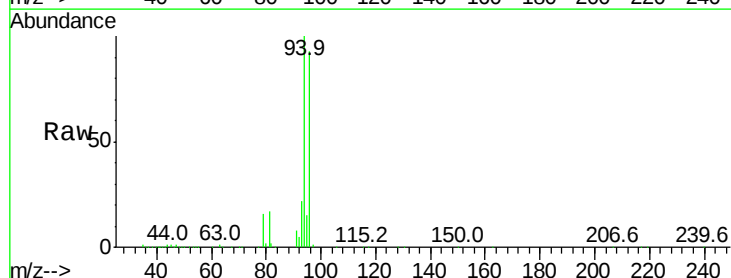
Acq: 22 Apr 2019 14:28

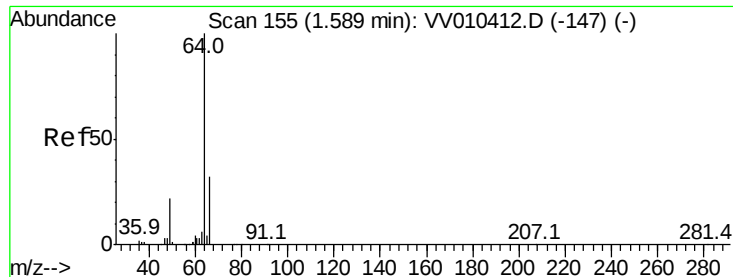
Tgt Ion: 94 Resp: 266279

Ion Ratio Lower Upper

94 100

96 94.0 9.5 180.3





#8

Chloroethane

Concen: 86.484 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.01 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

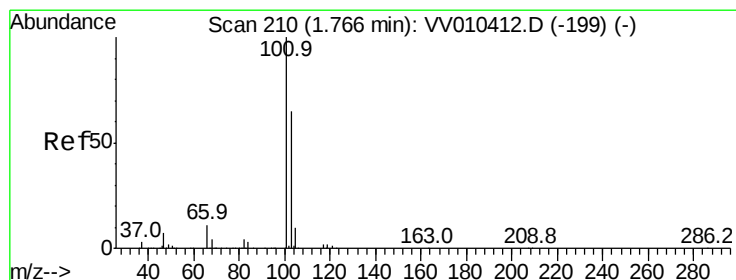
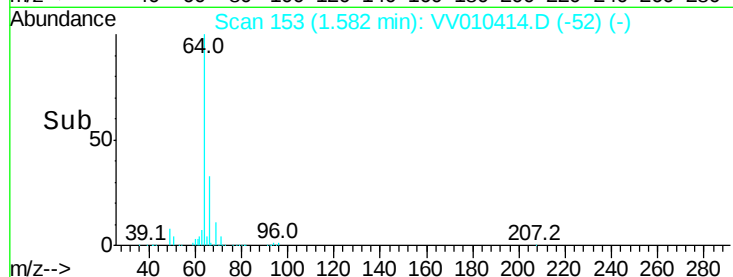
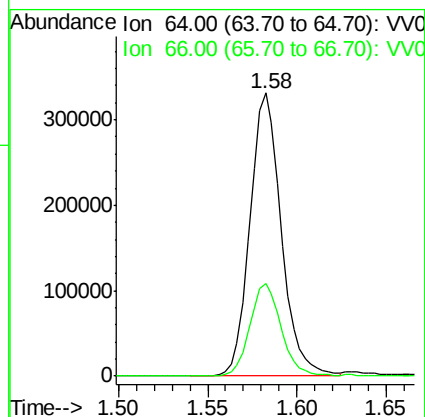
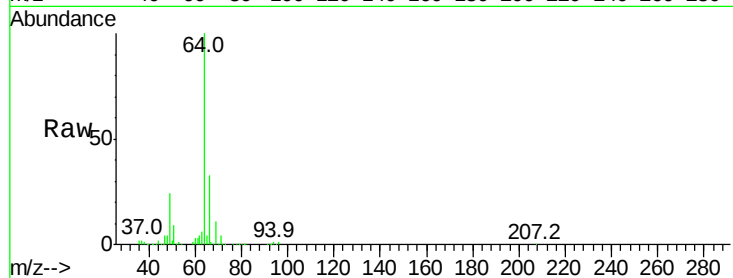
VSTD10081

Tgt Ion: 64 Resp: 403451

Ion Ratio Lower Upper

64 100

66 32.6 22.5 41.7



#9

Trichlorofluoromethane

Concen: 81.553 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.01 min

Lab File: VV010414.D

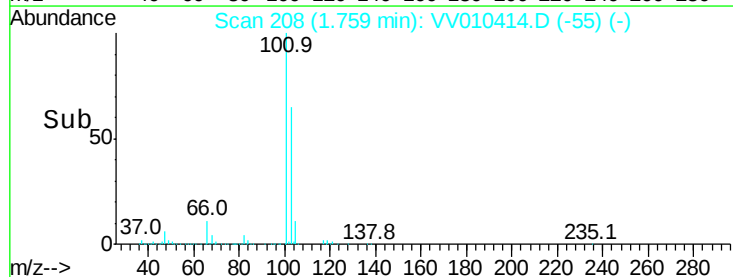
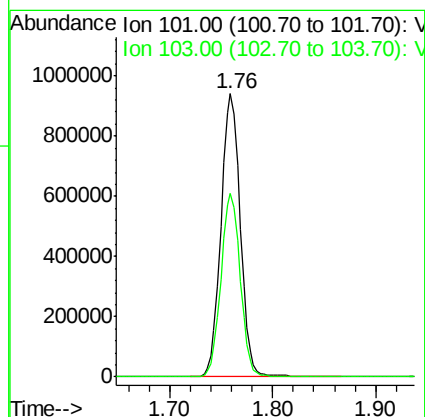
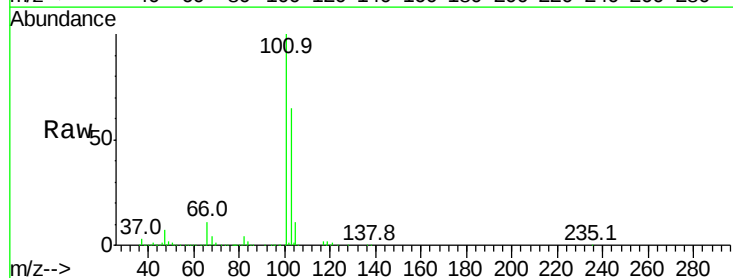
Acq: 22 Apr 2019 14:28

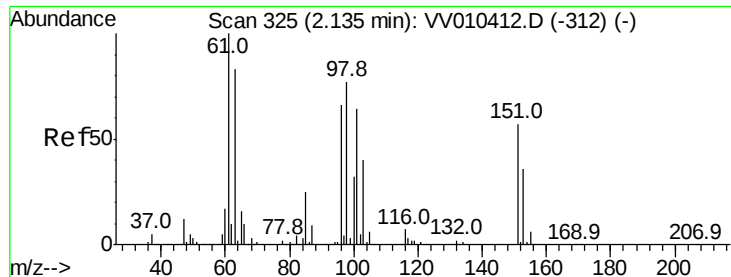
Tgt Ion: 101 Resp: 1225967

Ion Ratio Lower Upper

101 100

103 64.8 45.4 84.2





#11

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

Concen: 85.413 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

Instrument :

MSVOA_V

ClientSampled :

VSTD10081

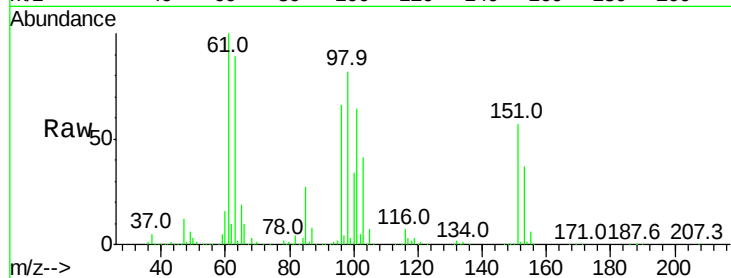
Tgt Ion:101 Resp: 676370

Ion Ratio Lower Upper

101 100

85 41.4 31.8 47.6

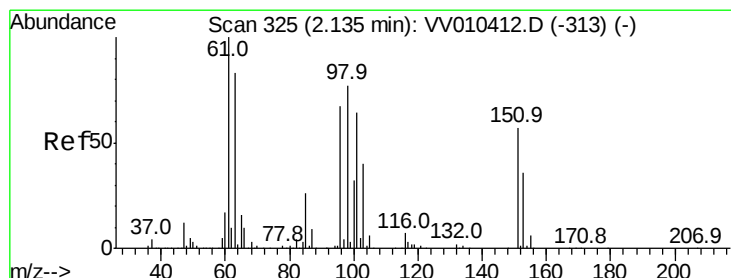
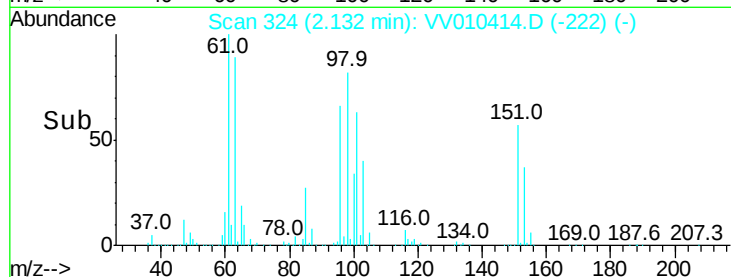
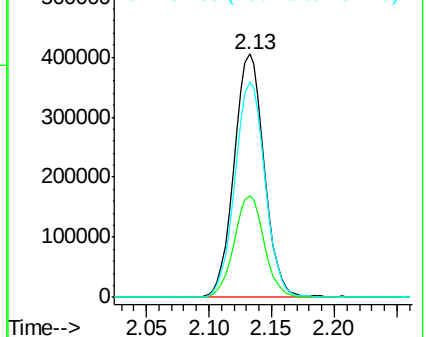
151 88.5 70.9 106.3



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: 86.386 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

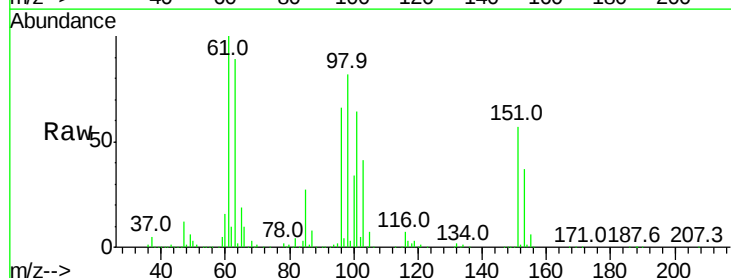
Tgt Ion: 96 Resp: 596482

Ion Ratio Lower Upper

96 100

61 150.9 105.3 195.5

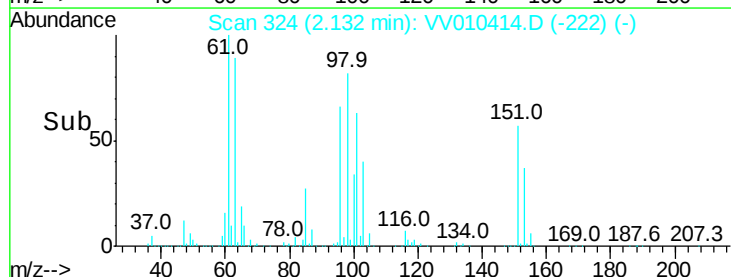
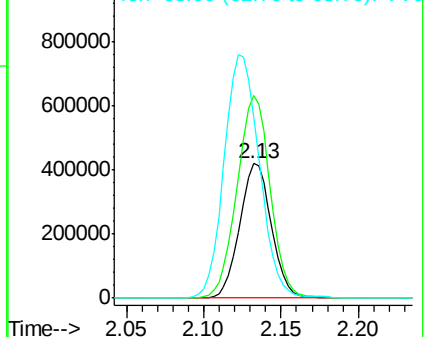
63 134.8 87.8 163.2

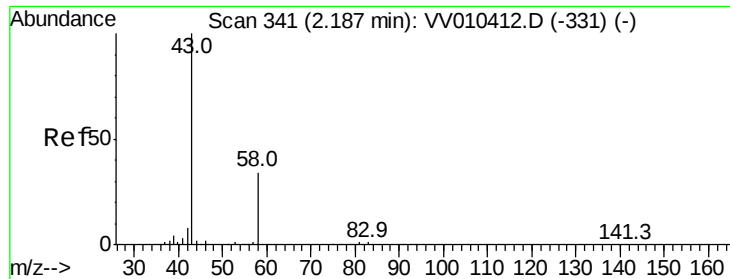


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 137.249 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

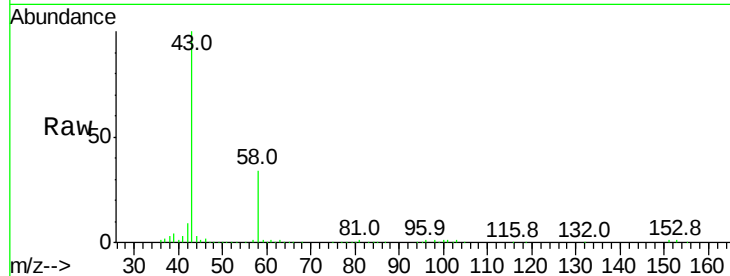
VSTD10081

Tgt Ion: 43 Resp: 304449

Ion Ratio Lower Upper

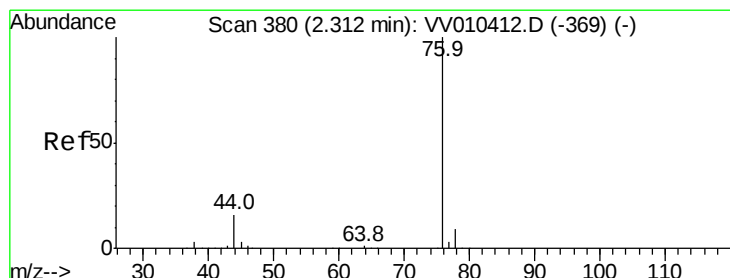
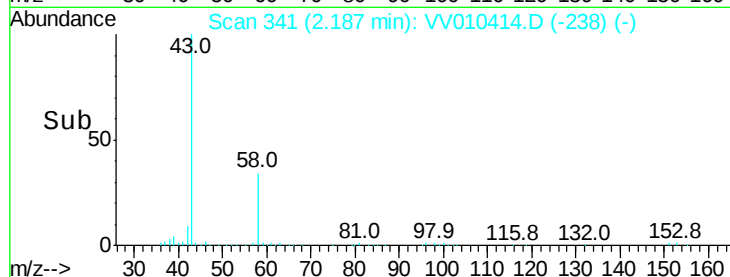
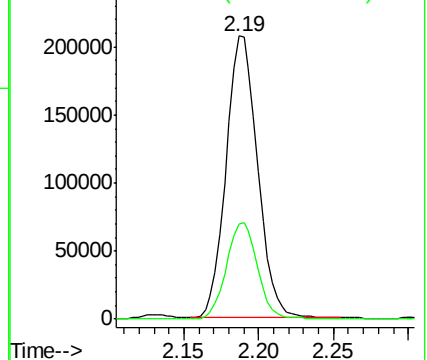
43 100

58 33.9 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VV010414.D (-238) (-)

Ion 58.00 (57.70 to 58.70): VV010414.D (-238) (-)



#14

Carbon disulfide

Concen: 82.185 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV010414.D

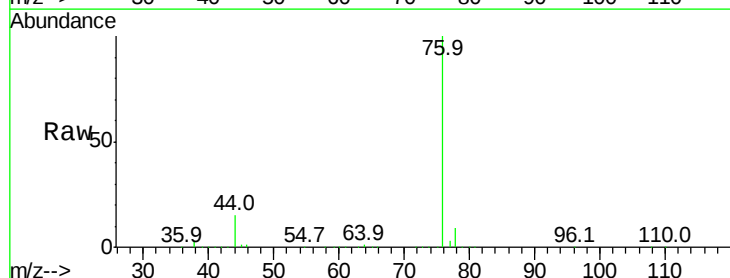
Acq: 22 Apr 2019 14:28

Tgt Ion: 76 Resp: 1399772

Ion Ratio Lower Upper

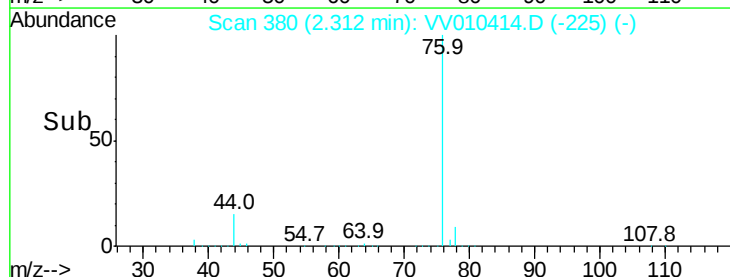
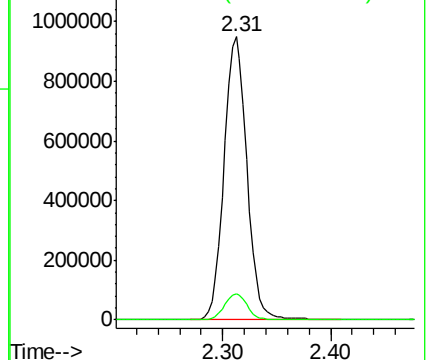
76 100

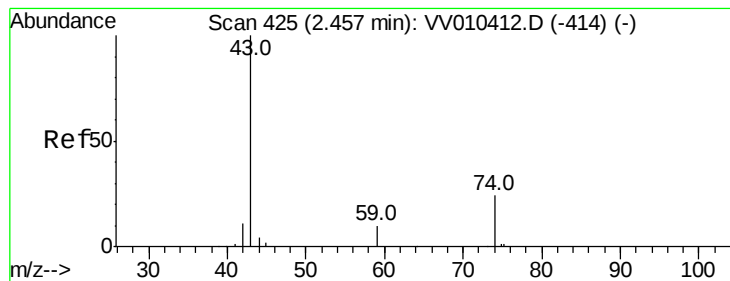
78 9.3 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV010414.D (-225) (-)

Ion 78.00 (77.70 to 78.70): VV010414.D (-225) (-)





#15

Methyl Acetate

Concen: 78.058 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

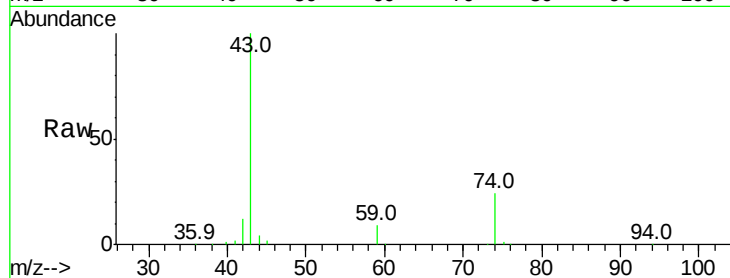
VSTD10081

Tgt Ion: 43 Resp: 282627

Ion Ratio Lower Upper

43 100

74 23.9 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

2.46

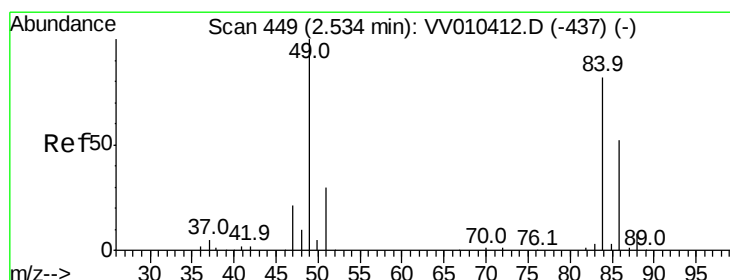
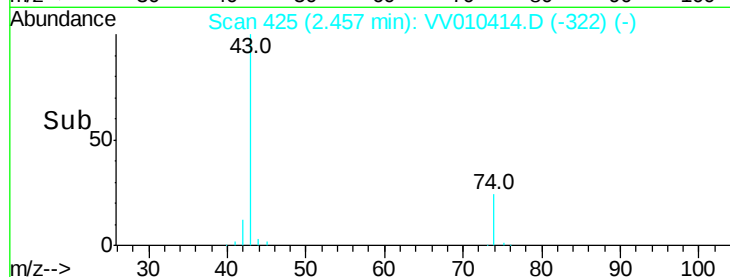
150000

100000

50000

0

Time-->



#16

Methylene chloride

Concen: 69.085 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

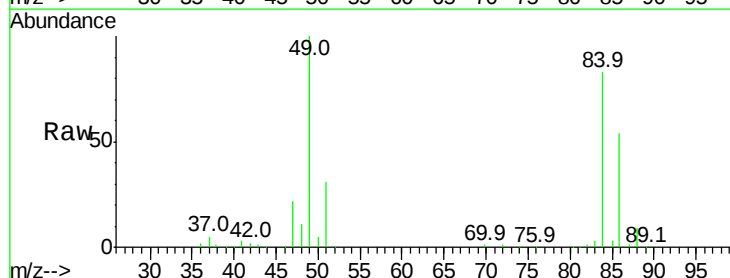
Tgt Ion: 84 Resp: 586517

Ion Ratio Lower Upper

84 100

49 119.9 85.0 158.0

86 64.4 43.9 81.5



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

2.53

400000

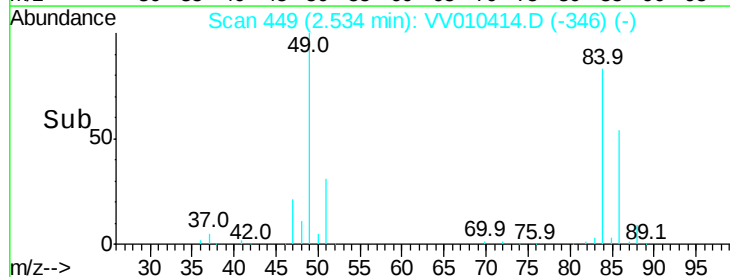
300000

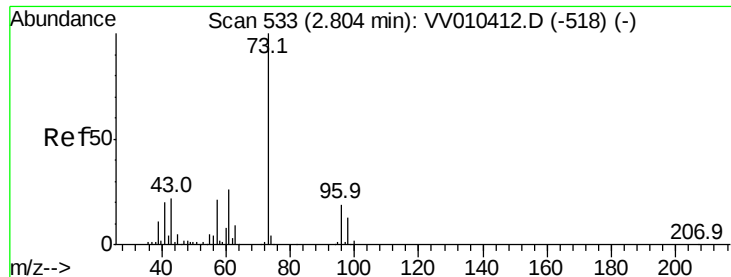
200000

100000

0

Time-->

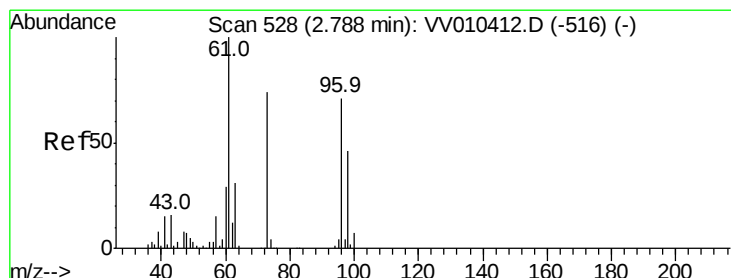
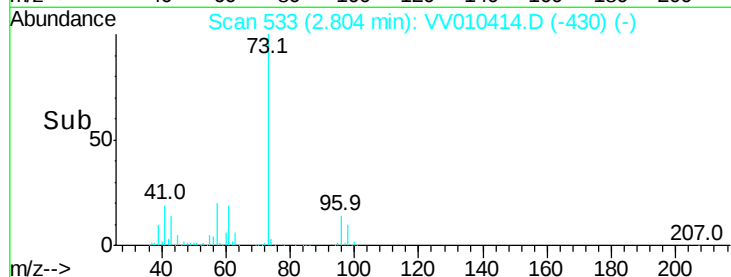
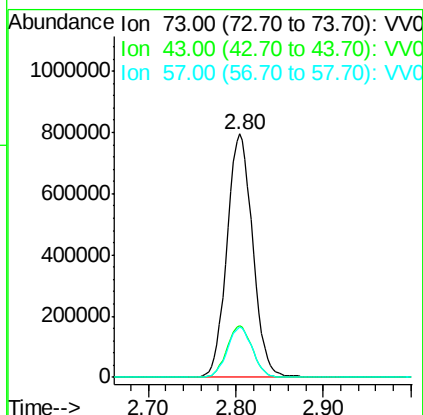
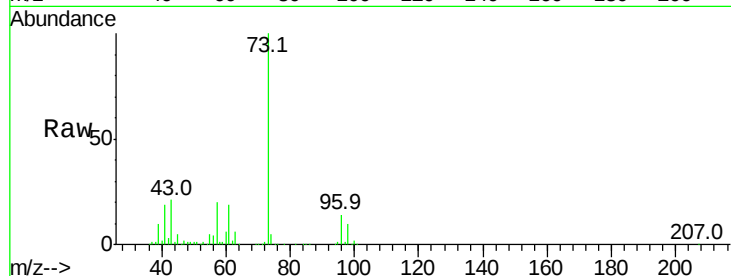




#17
Methyl tert-butyl Ether
Concen: 97.631 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV010414.D
Acq: 22 Apr 2019 14:28

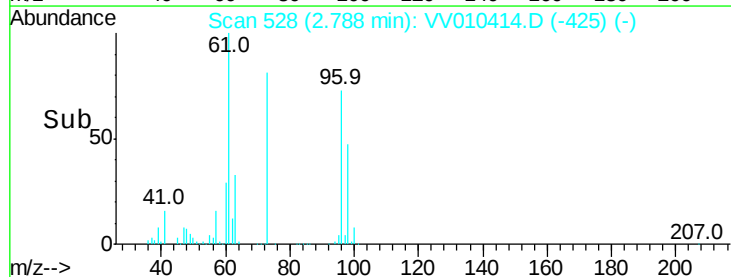
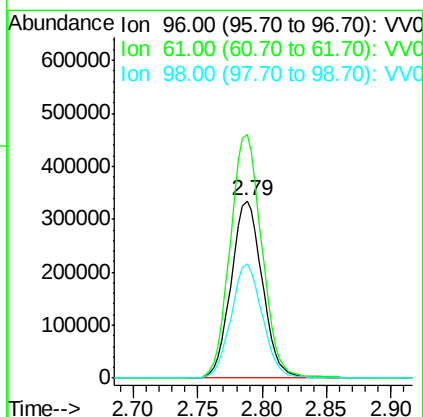
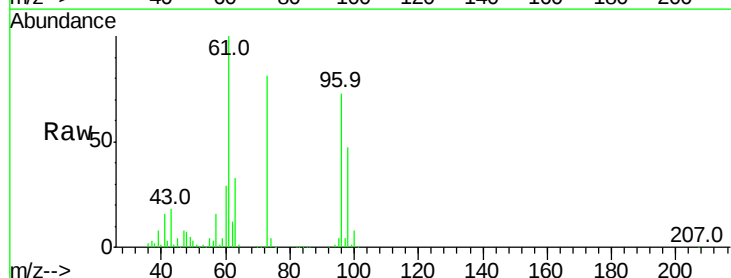
Instrument :
MSVOA_V
ClientSampled :
VSTD10081

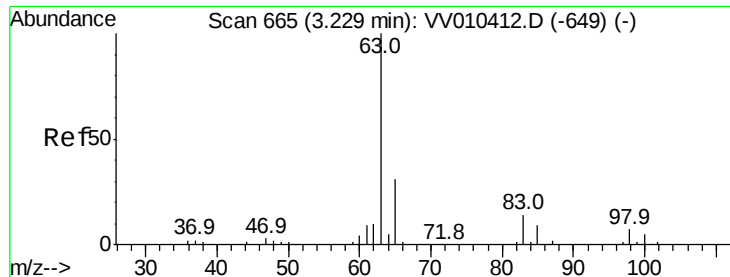
Tgt Ion: 73 Resp: 1623397
Ion Ratio Lower Upper
73 100
43 20.9 16.8 25.2
57 20.4 16.1 24.1



#18
trans-1,2-Dichloroethene
Concen: 86.086 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV010414.D
Acq: 22 Apr 2019 14:28

Tgt Ion: 96 Resp: 563869
Ion Ratio Lower Upper
96 100
61 137.4 98.6 183.0
98 64.3 45.7 84.9

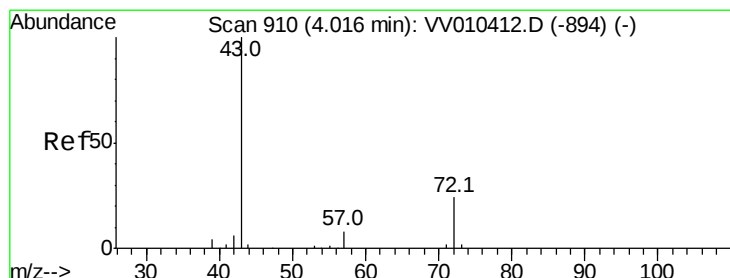
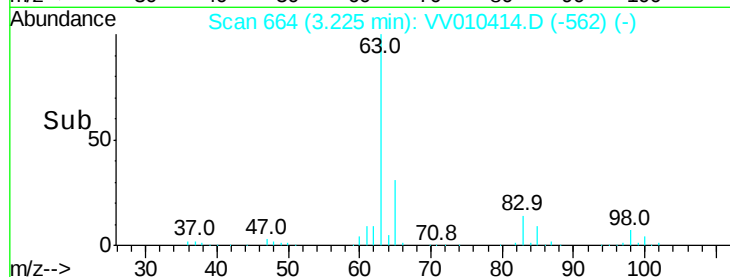
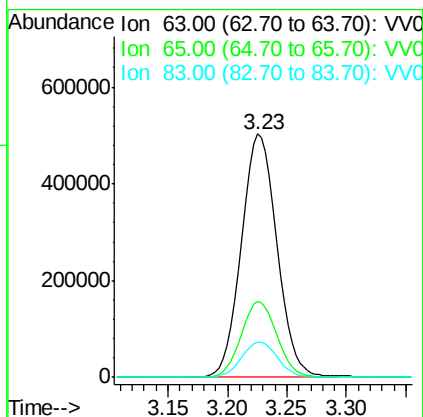
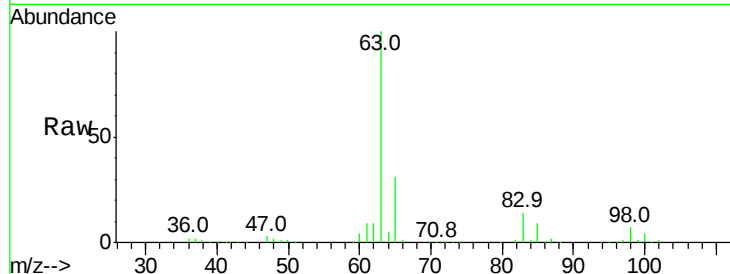




#19
 1,1-Dichloroethane
 Concen: 93.196 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV010414.D
 Acq: 22 Apr 2019 14:28

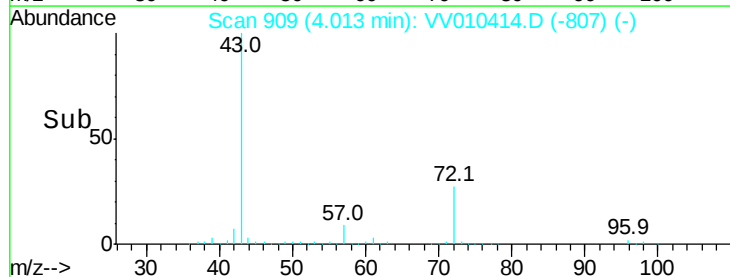
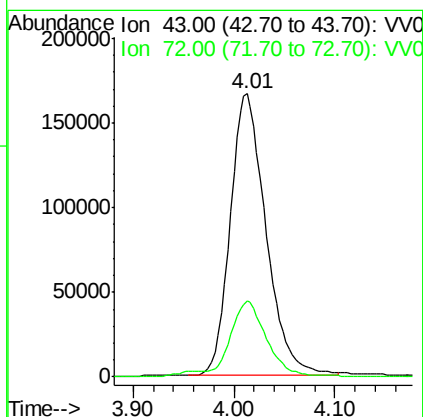
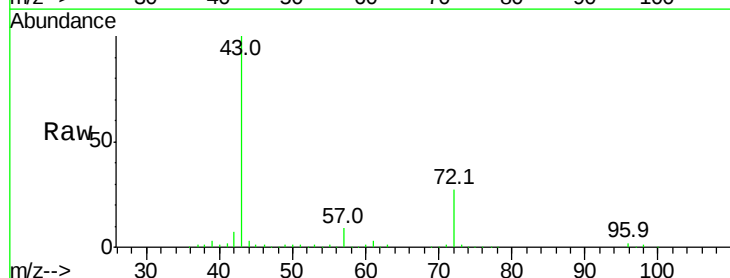
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10081

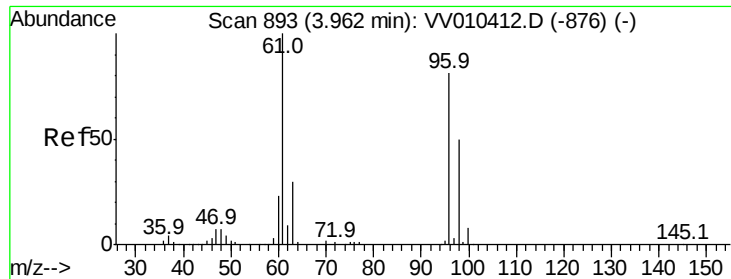
Tgt Ion: 63 Resp: 1042751
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.0 41.0
 83 14.4 9.8 18.2



#21
 2-Butanone
 Concen: 171.049 ug/L
 RT: 4.01 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: VV010414.D
 Acq: 22 Apr 2019 14:28

Tgt Ion: 43 Resp: 411306
 Ion Ratio Lower Upper
 43 100
 72 25.5 12.2 36.4



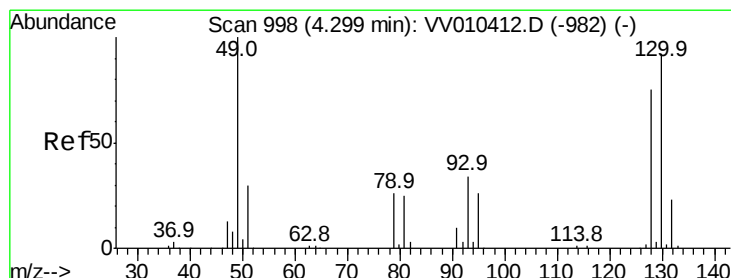
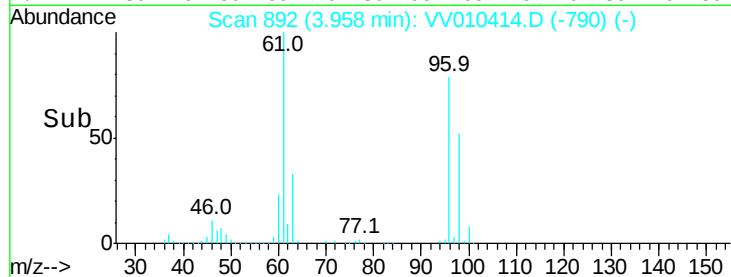
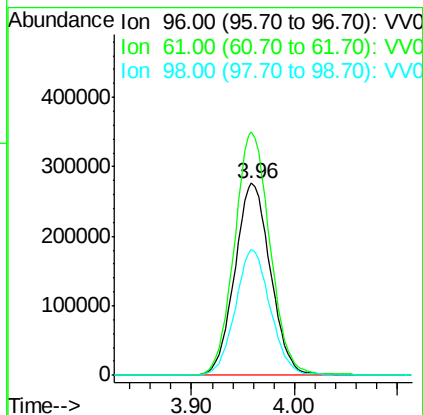
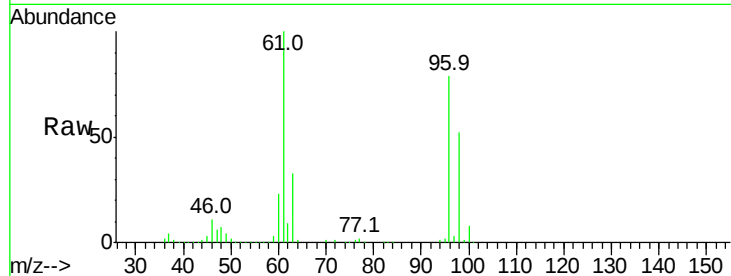


#22

cis-1,2-Dichloroethene
 Concen: 89.295 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV010414.D
 Acq: 22 Apr 2019 14:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10081

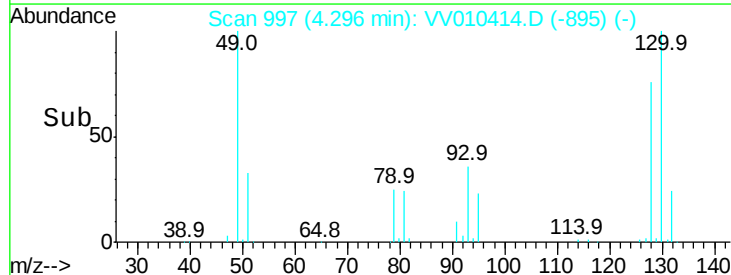
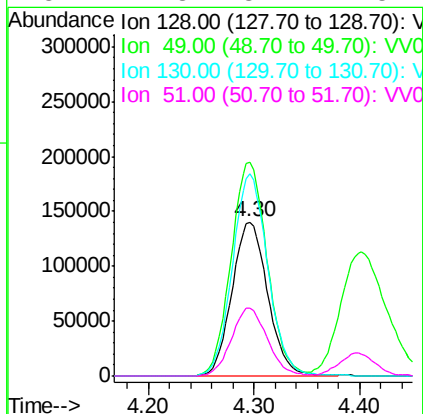
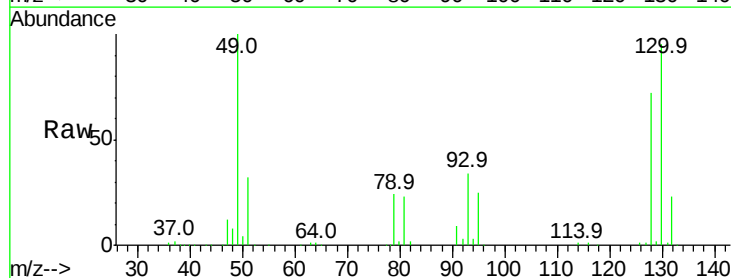
Tgt Ion: 96 Resp: 666278
 Ion Ratio Lower Upper
 96 100
 61 126.6 86.7 161.1
 98 65.3 43.5 80.7

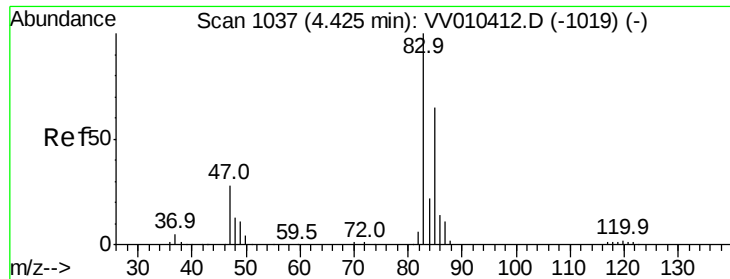


#23

Bromochloromethane
 Concen: 88.643 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV010414.D
 Acq: 22 Apr 2019 14:28

Tgt Ion: 128 Resp: 331037
 Ion Ratio Lower Upper
 128 100
 49 138.6 93.7 174.1
 130 131.0 85.9 159.5
 51 44.3 32.2 48.4





#25

Chloroform

Concen: 93.432 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

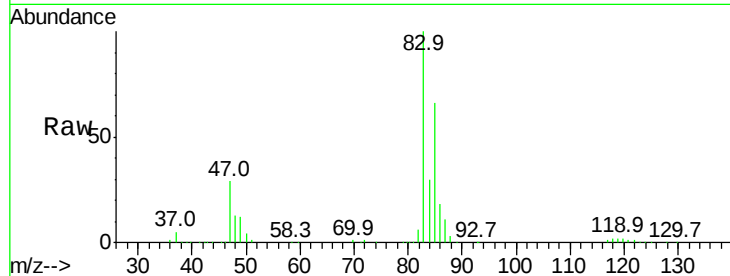
VSTD10081

Tgt Ion: 83 Resp: 1218243

Ion Ratio Lower Upper

83 100

85 66.2 46.1 85.5



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

600000

500000

400000

300000

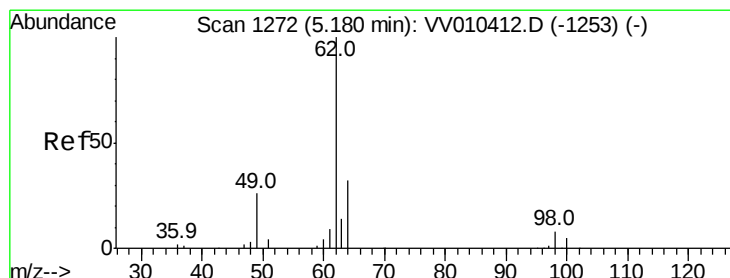
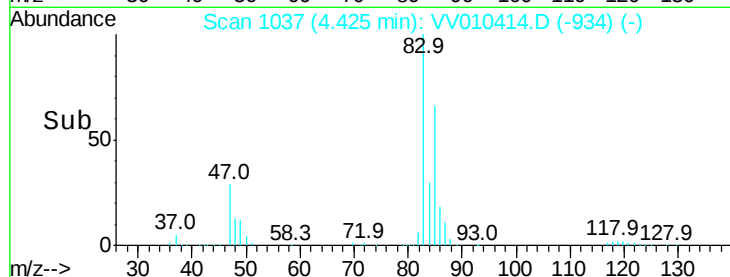
200000

100000

0

4.30 4.40 4.50

Time-->



#27

1,2-Dichloroethane

Concen: 96.130 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VV010414.D

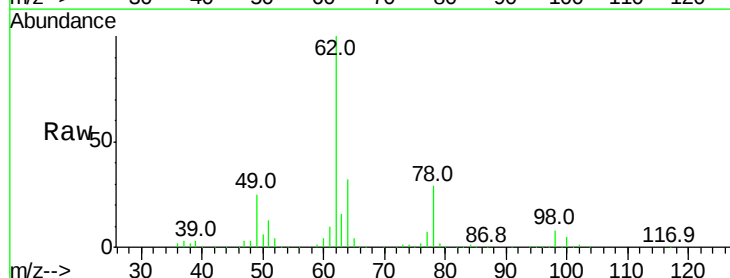
Acq: 22 Apr 2019 14:28

Tgt Ion: 62 Resp: 895544

Ion Ratio Lower Upper

62 100

98 8.3 6.4 9.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

500000

400000

300000

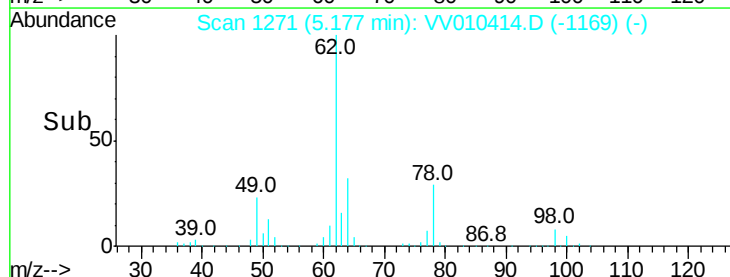
200000

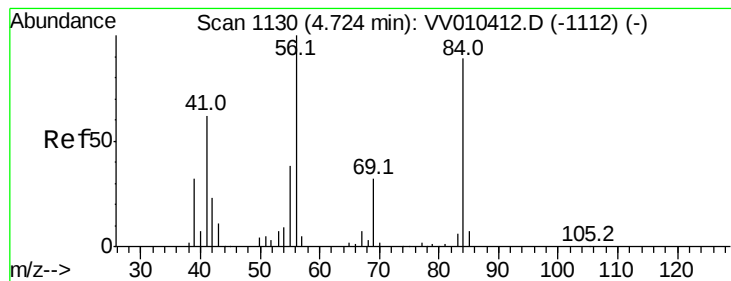
100000

0

5.10 5.15 5.20 5.25

Time-->





#30

Cyclohexane

Concen: 79.959 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD10081

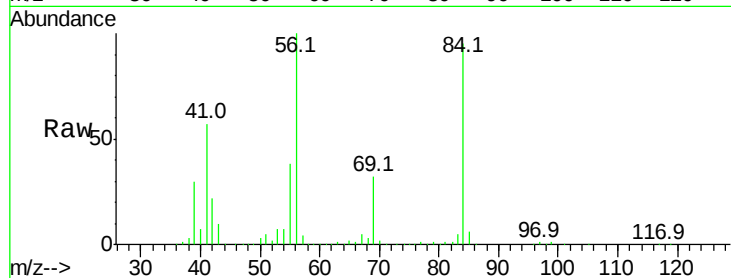
Tgt Ion: 56 Resp: 876704

Ion Ratio Lower Upper

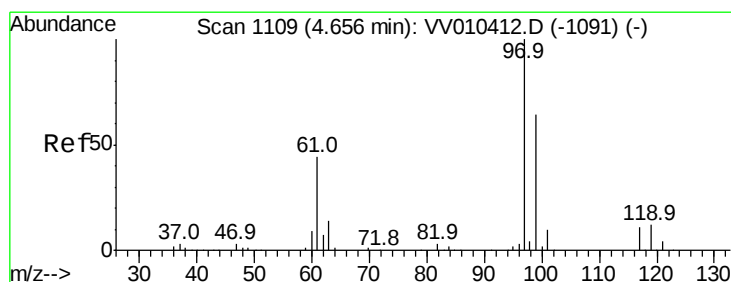
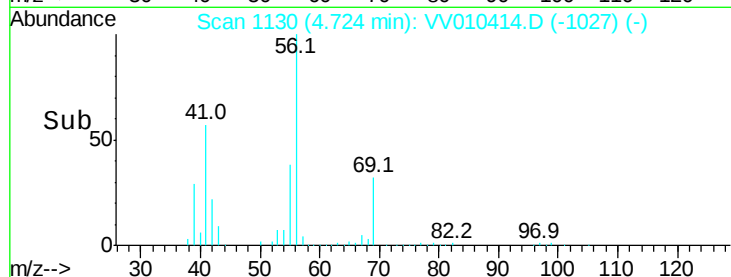
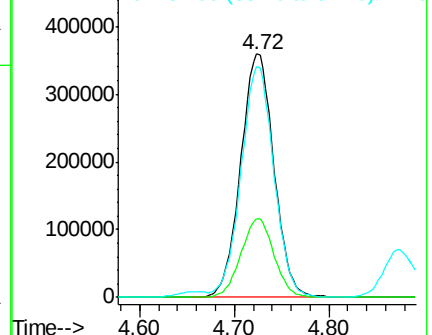
56 100

69 32.2 25.9 38.9

84 93.4 74.2 111.4



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



#31

1,1,1-Trichloroethane

Concen: 85.003 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

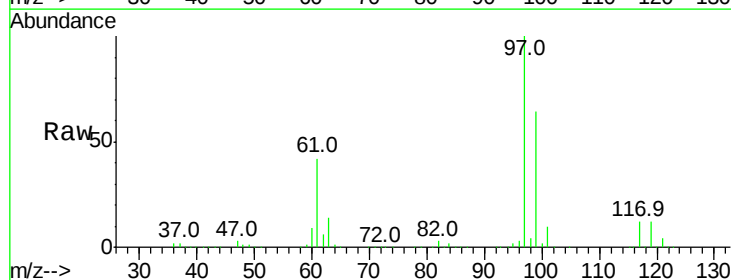
Tgt Ion: 97 Resp: 1121133

Ion Ratio Lower Upper

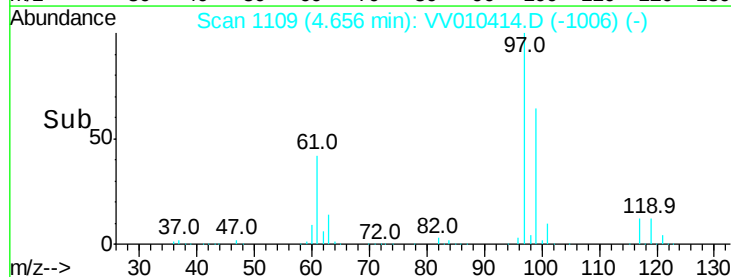
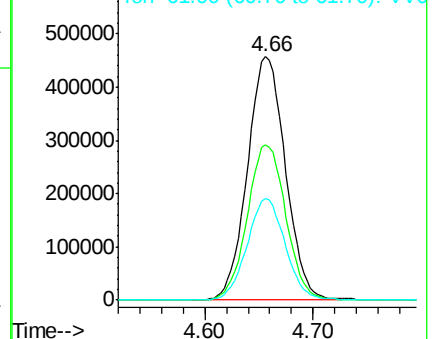
97 100

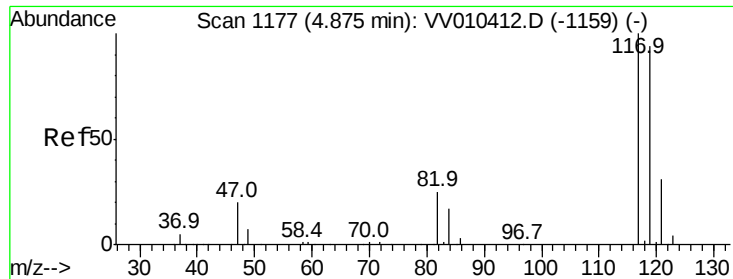
99 64.8 50.7 76.1

61 42.0 34.5 51.7



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 84.982 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

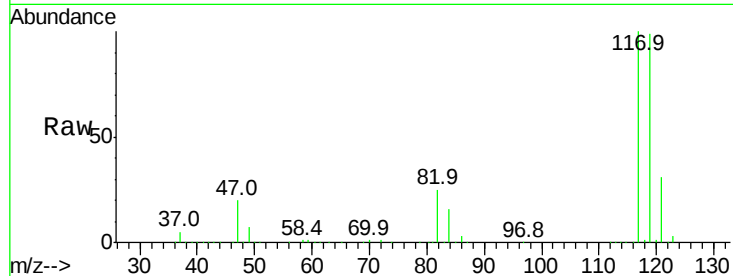
VSTD10081

Tgt Ion:117 Resp: 1057563

Ion Ratio Lower Upper

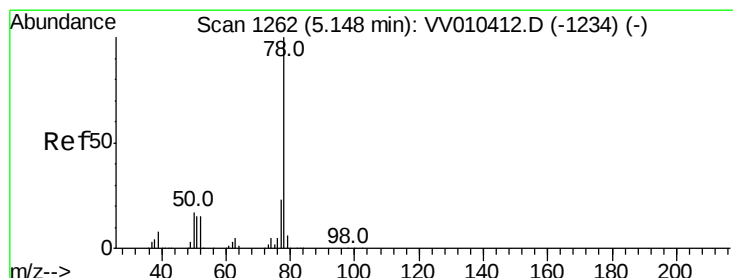
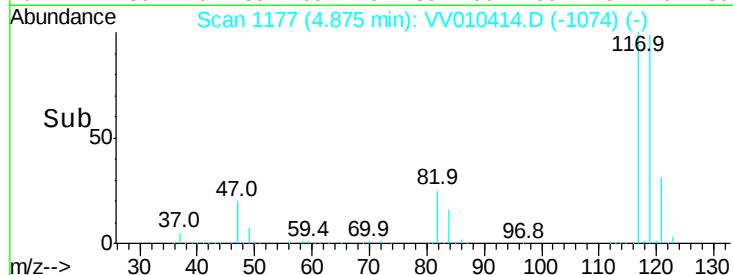
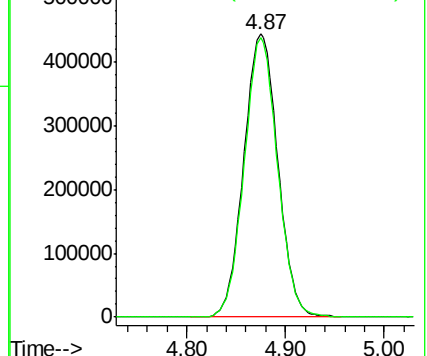
117 100

119 96.5 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 81.647 ug/L

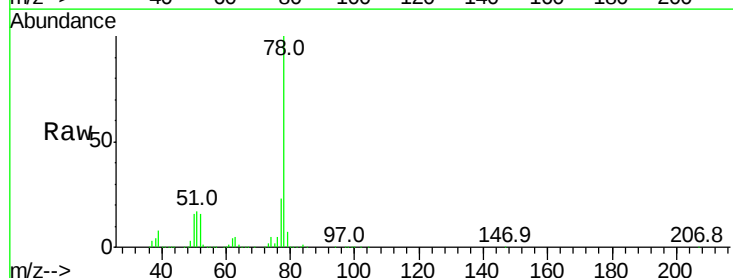
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

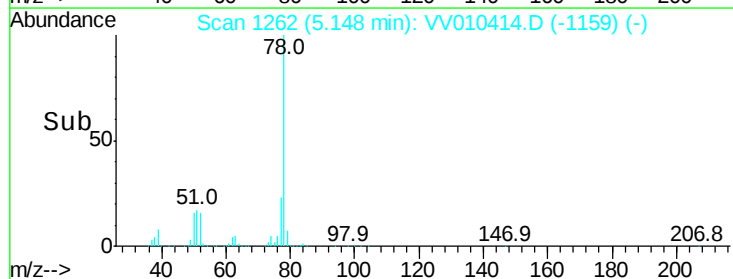
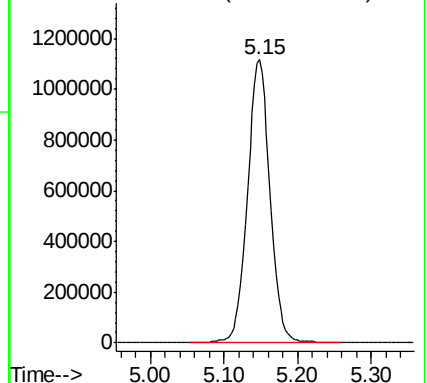
Lab File: VV010414.D

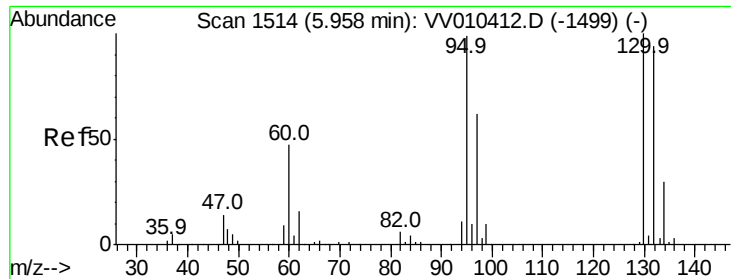
Acq: 22 Apr 2019 14:28

Tgt Ion: 78 Resp: 2383610



Abundance Ion 78.00 (77.70 to 78.70): VV0

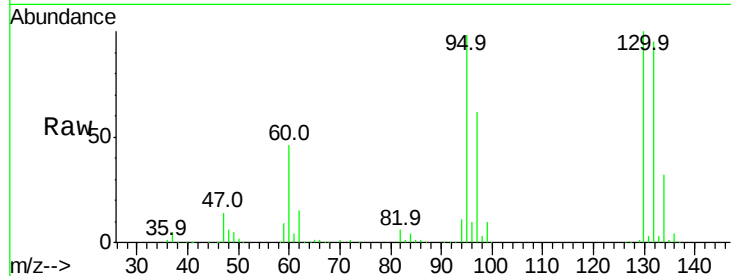




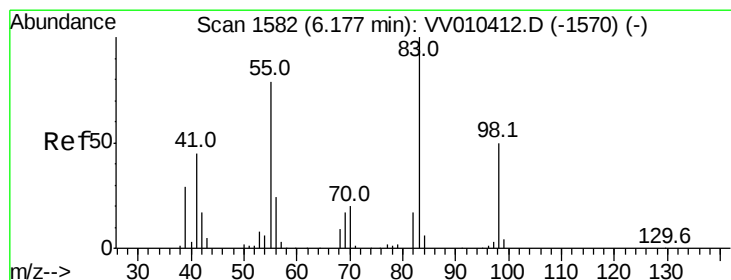
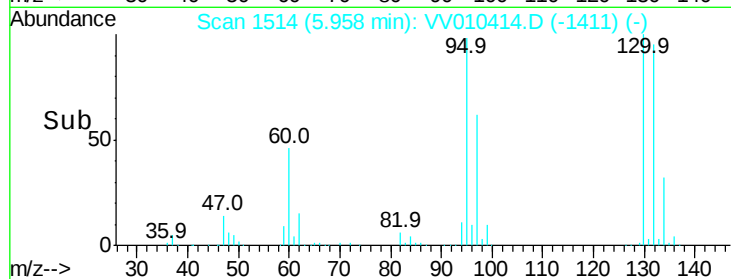
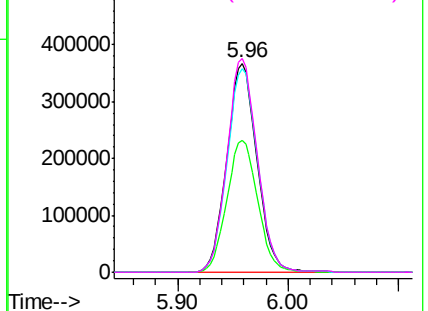
#35
 Trichloroethene
 Concen: 80.612 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV010414.D
 Acq: 22 Apr 2019 14:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10081

Tgt Ion: 95 Resp: 696275
 Ion Ratio Lower Upper
 95 100
 97 64.8 44.4 82.4
 132 99.5 69.0 128.1
 130 102.7 71.5 132.7

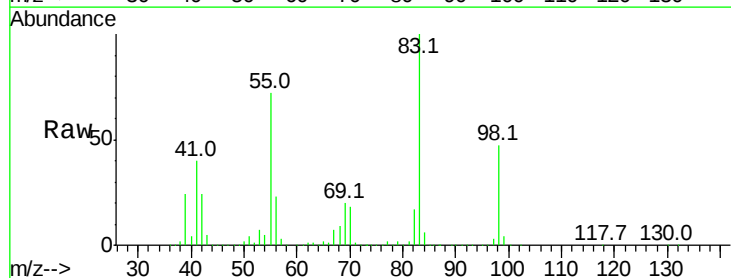


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

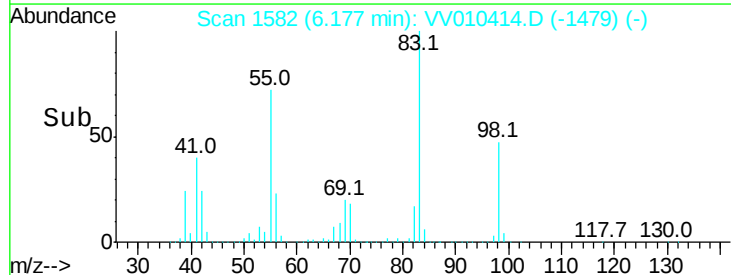
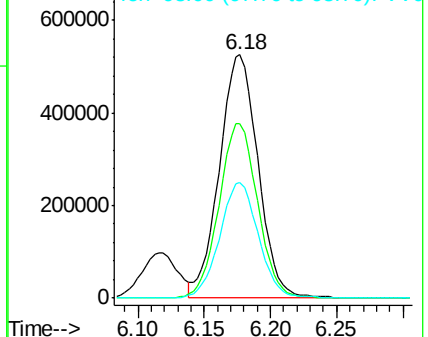


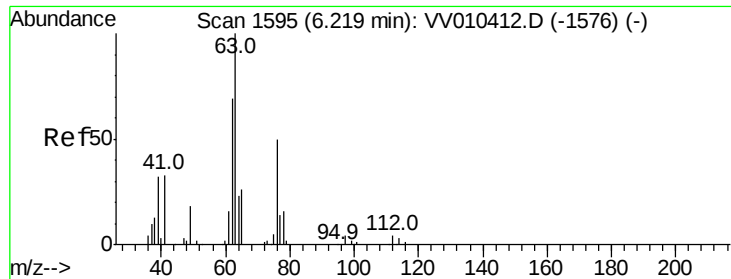
#36
 Methylcyclohexane
 Concen: 84.031 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV010414.D
 Acq: 22 Apr 2019 14:28

Tgt Ion: 83 Resp: 1056867
 Ion Ratio Lower Upper
 83 100
 55 72.0 59.6 89.4
 98 47.7 38.0 57.0



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





#40

1,2-Dichloropropane

Concen: 82.647 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

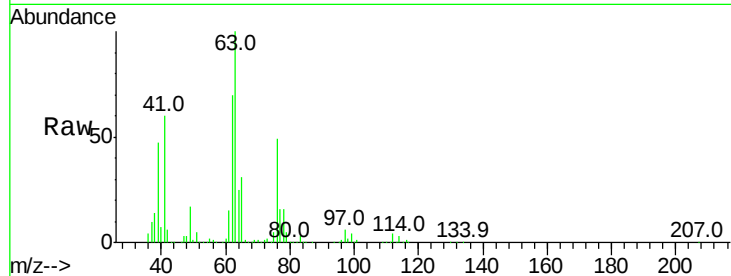
VSTD10081

Tgt Ion: 63 Resp: 618835

Ion Ratio Lower Upper

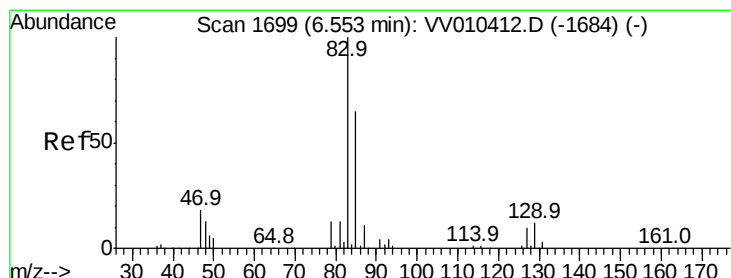
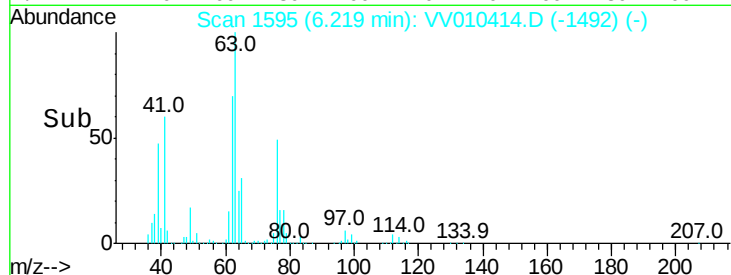
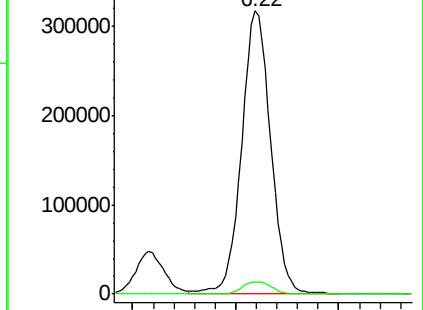
63 100

112 4.6 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV010414.D (-1576) (-)

Ion 112.00 (111.70 to 112.70): VV010414.D (-1576) (-)



#41

Bromodichloromethane

Concen: 91.165 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

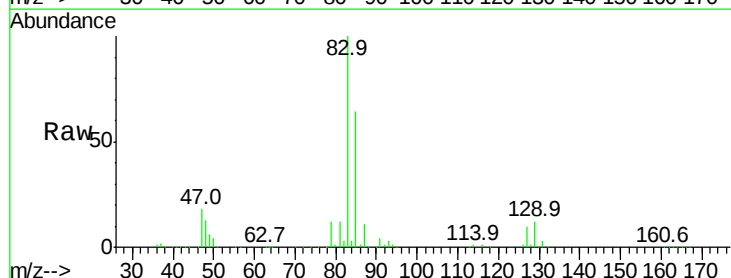
Tgt Ion: 83 Resp: 957902

Ion Ratio Lower Upper

83 100

85 64.2 45.1 83.9

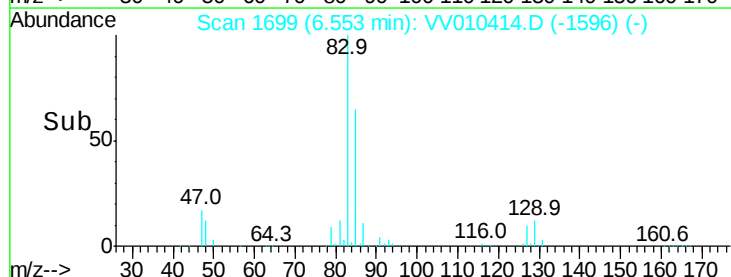
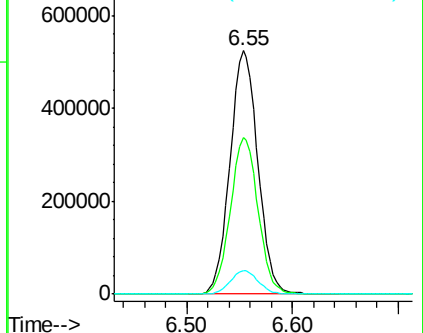
127 9.7 8.2 12.4

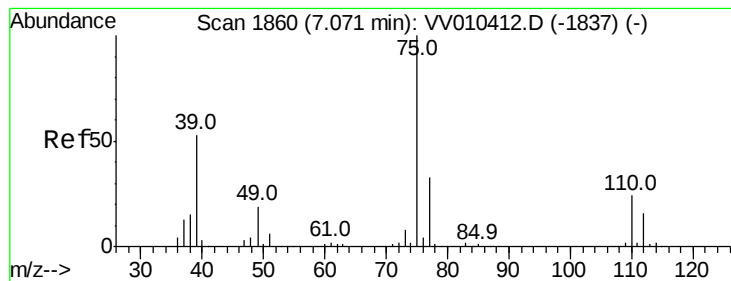


Abundance Ion 83.00 (82.70 to 83.70): VV010414.D (-1684) (-)

Ion 85.00 (84.70 to 85.70): VV010414.D (-1684) (-)

Ion 127.00 (126.70 to 127.70): VV010414.D (-1684) (-)



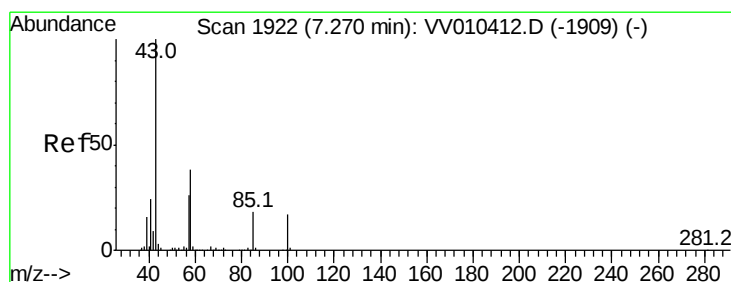
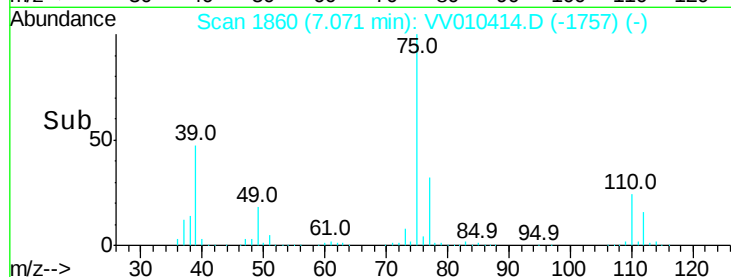
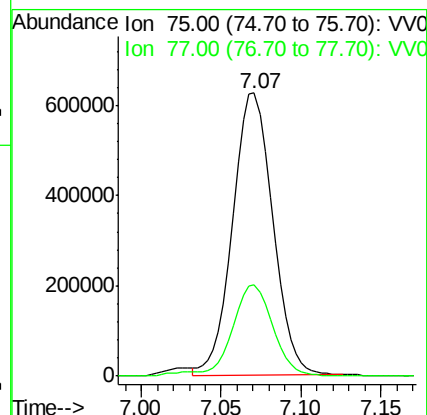
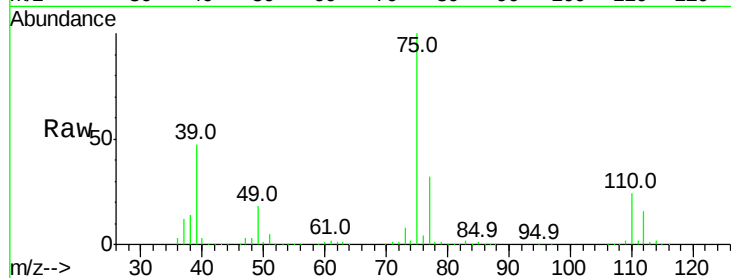


#42

cis-1,3-Dichloropropene
 Concen: 95.184 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV010414.D
 Acq: 22 Apr 2019 14:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10081

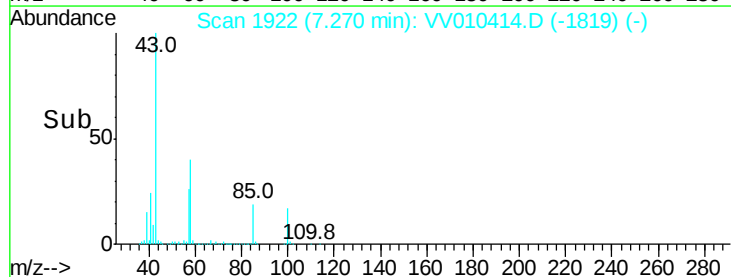
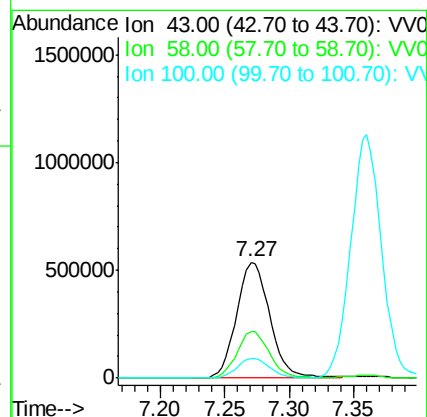
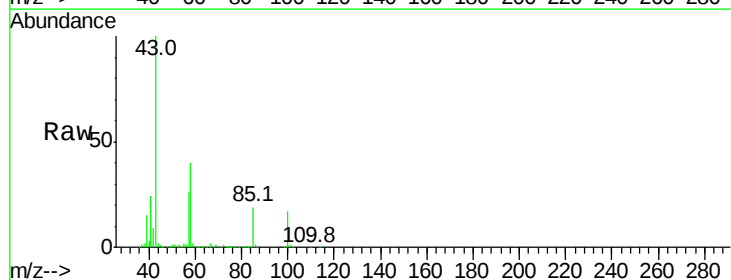
Tgt Ion: 75 Resp: 1074924
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.9 42.5

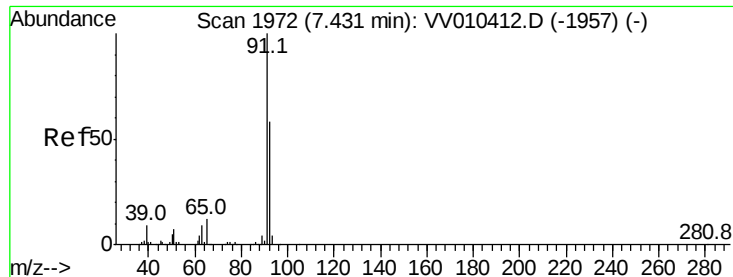


#43

4-Methyl-2-pentanone
 Concen: 165.616 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VV010414.D
 Acq: 22 Apr 2019 14:28

Tgt Ion: 43 Resp: 968864
 Ion Ratio Lower Upper
 43 100
 58 39.4 30.2 45.2
 100 16.7 12.9 19.3





#44

Toluene

Concen: 98.925 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

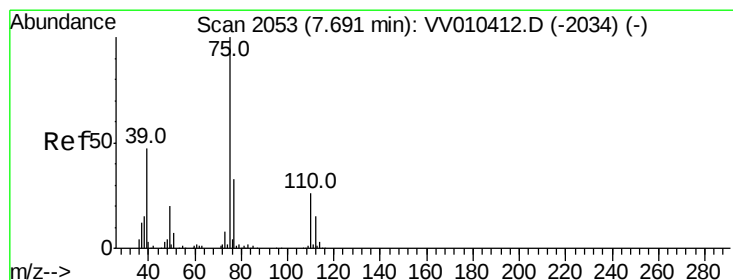
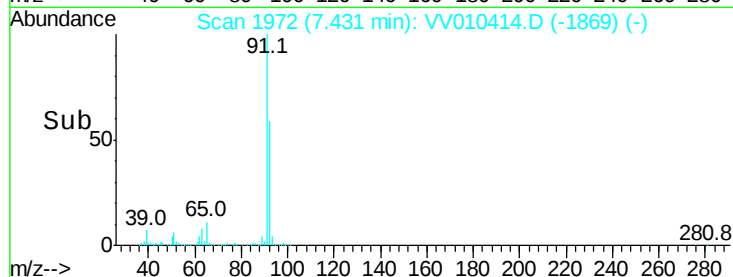
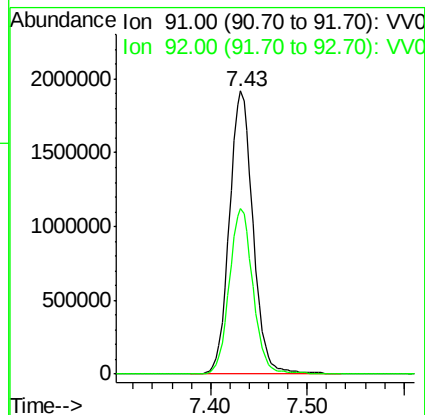
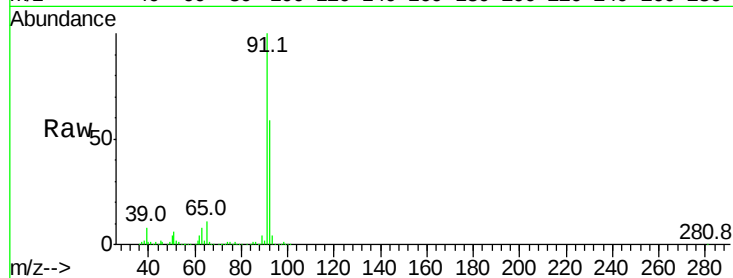
VSTD10081

Tgt Ion: 91 Resp: 3255798

Ion Ratio Lower Upper

91 100

92 58.7 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 99.835 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV010414.D

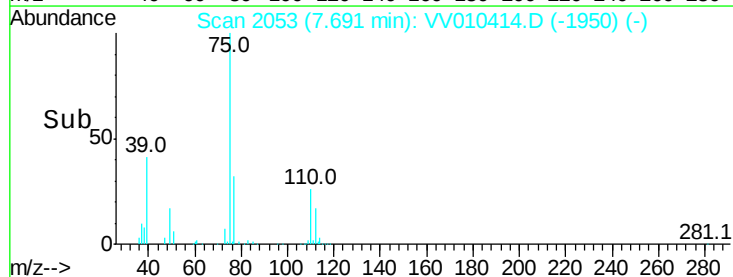
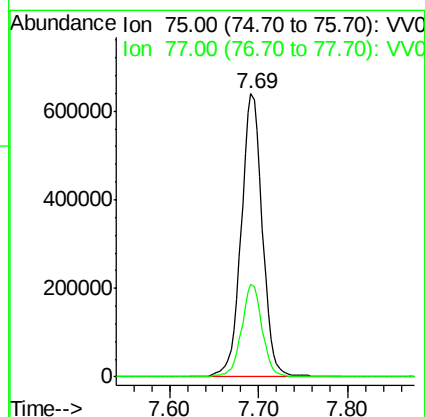
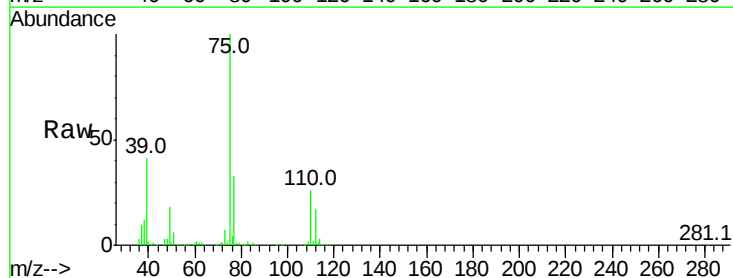
Acq: 22 Apr 2019 14:28

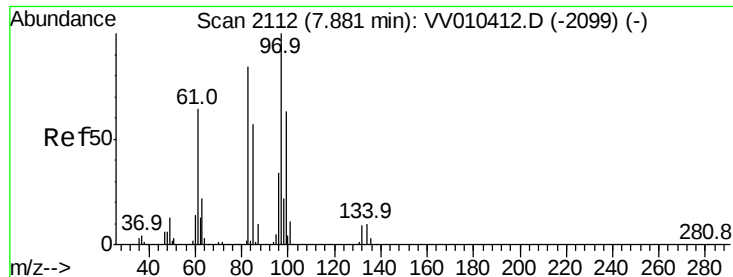
Tgt Ion: 75 Resp: 1051161

Ion Ratio Lower Upper

75 100

77 32.7 23.1 42.9

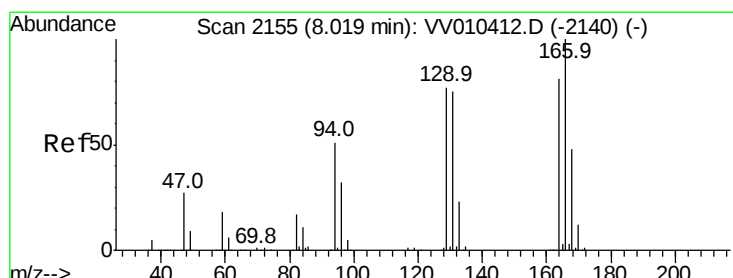
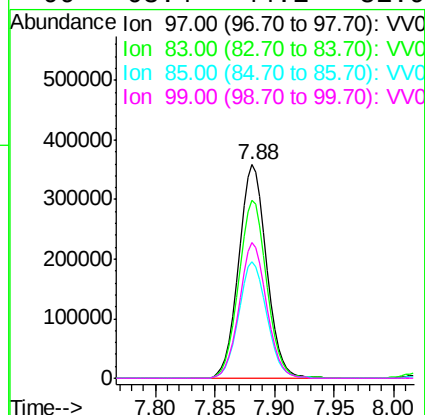
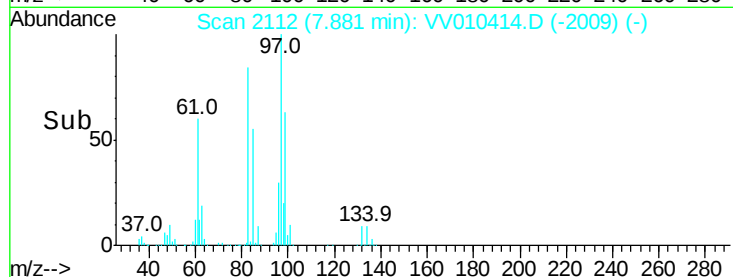
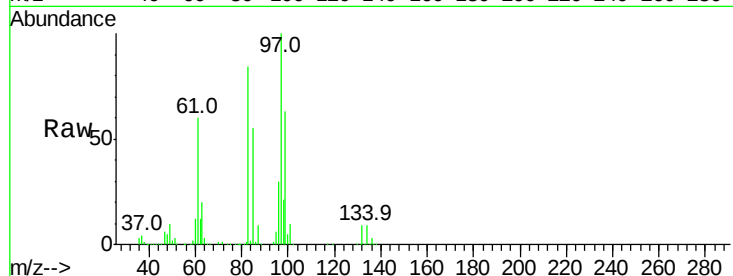




#46
 1,1,2-Trichloroethane
 Concen: 86.346 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV010414.D
 Acq: 22 Apr 2019 14:28

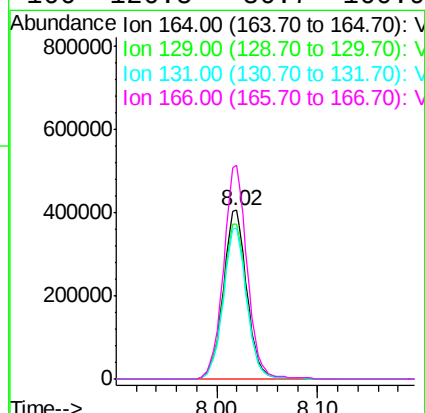
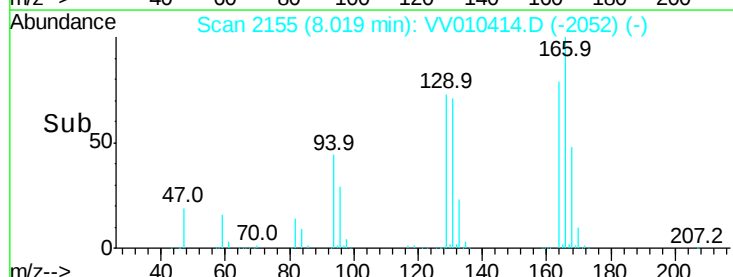
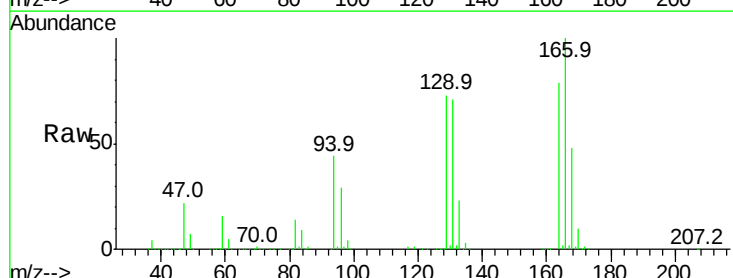
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD10081

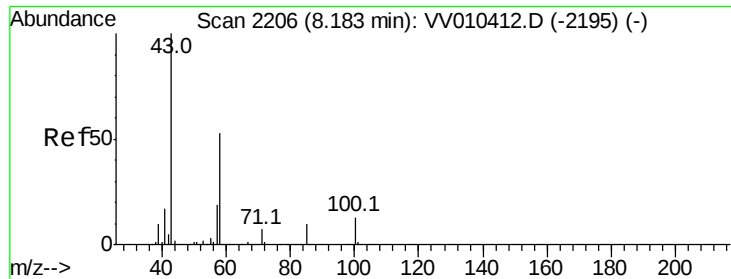
Tgt Ion:	97	Resp:	582462
Ion	Ratio	Lower	Upper
97	100		
83	83.6	58.9	109.3
85	54.7	40.2	74.6
99	63.4	44.1	81.9



#47
 Tetrachloroethene
 Concen: 85.942 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV010414.D
 Acq: 22 Apr 2019 14:28

Tgt Ion:	164	Resp:	662342
Ion	Ratio	Lower	Upper
164	100		
129	92.0	67.1	124.5
131	89.4	64.6	120.0
166	126.5	86.7	160.9

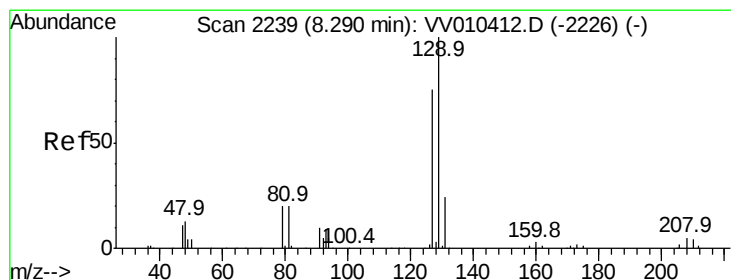
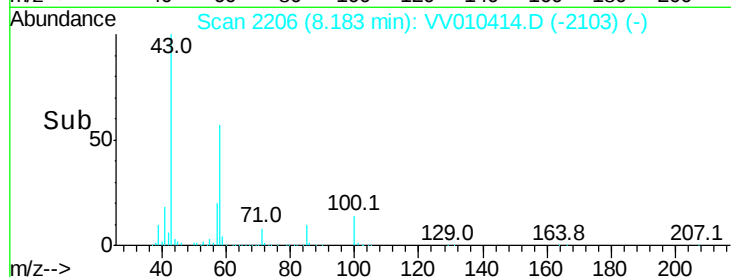
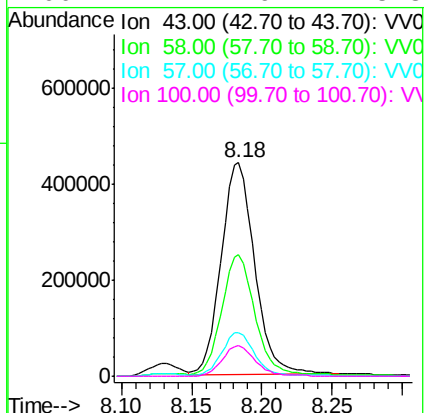
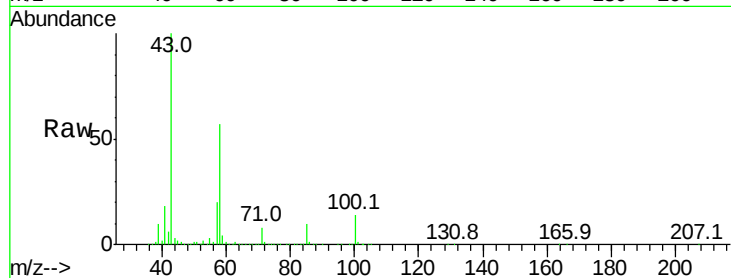




#49
2-Hexanone
Concen: 177.174 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV010414.D
Acq: 22 Apr 2019 14:28

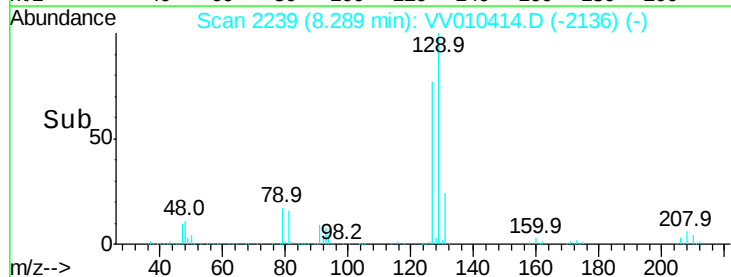
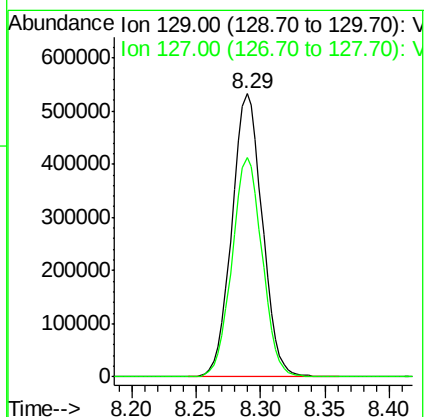
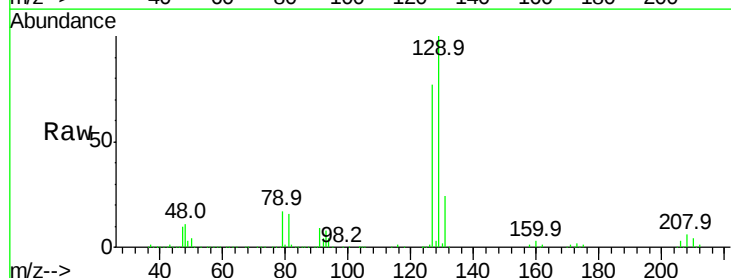
Instrument :
MSVOA_V
ClientSampleId :
VSTD10081

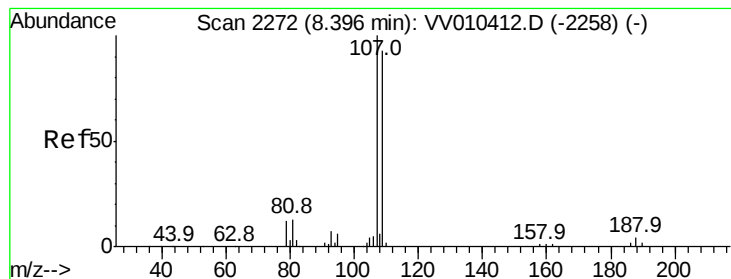
Tgt Ion: 43 Resp: 725491
Ion Ratio Lower Upper
43 100
58 57.6 37.6 56.4#
57 20.3 15.8 23.8
100 14.7 9.2 13.8#



#50
Dibromochloromethane
Concen: 105.484 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV010414.D
Acq: 22 Apr 2019 14:28

Tgt Ion: 129 Resp: 873655
Ion Ratio Lower Upper
129 100
127 77.5 52.4 97.4





#51

1,2-Dibromoethane

Concen: 96.020 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD10081

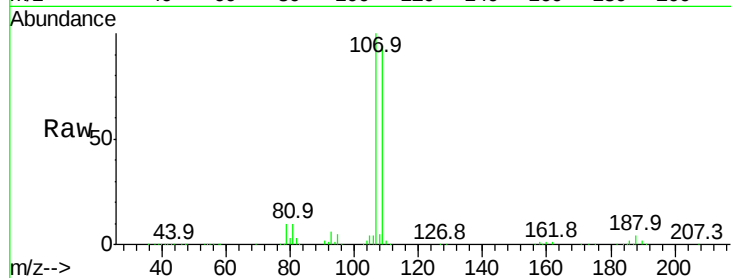
Tgt Ion:107 Resp: 642346

Ion Ratio Lower Upper

107 100

109 94.1 64.9 120.5

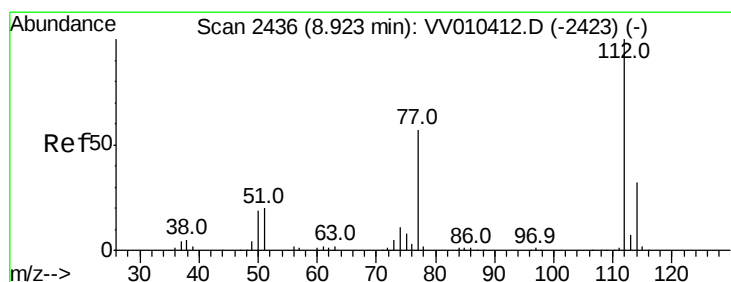
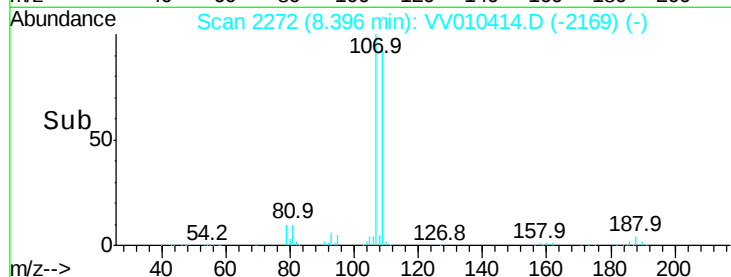
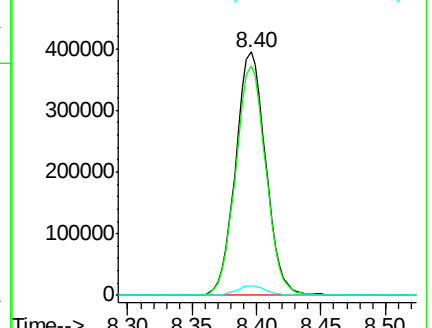
188 4.0 3.0 4.6



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



#52

Chlorobenzene

Concen: 102.164 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

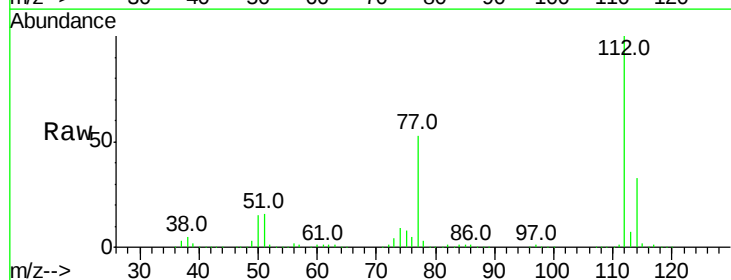
Tgt Ion:112 Resp: 2339569

Ion Ratio Lower Upper

112 100

77 52.8 46.2 69.2

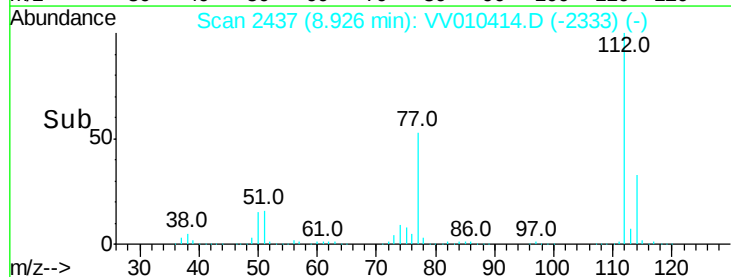
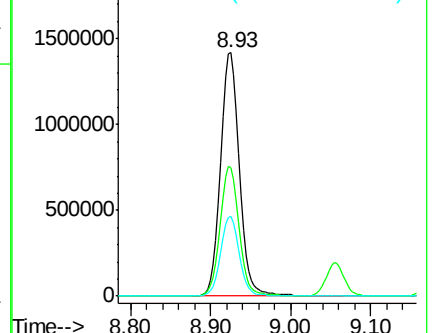
114 32.7 22.5 41.7

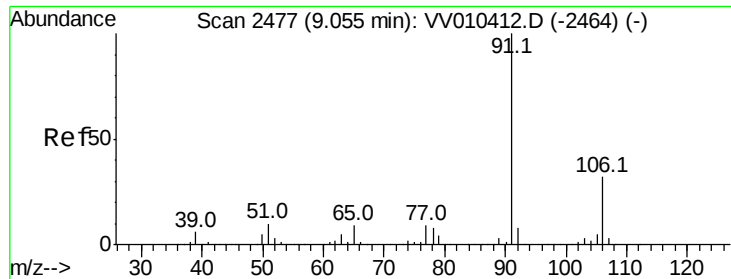


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 101.846 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

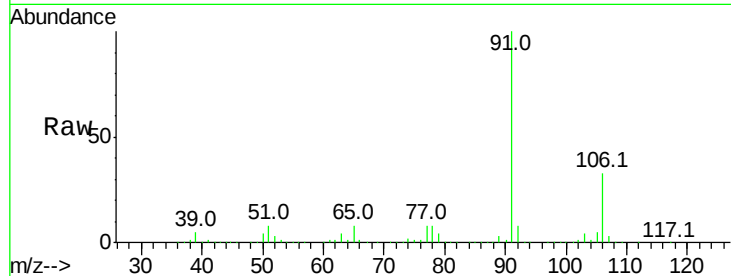
VSTD10081

Tgt Ion: 91 Resp: 3808151

Ion Ratio Lower Upper

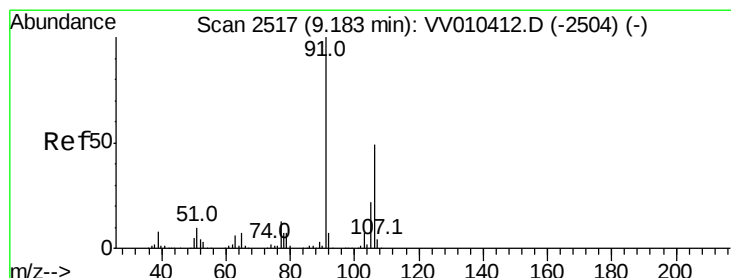
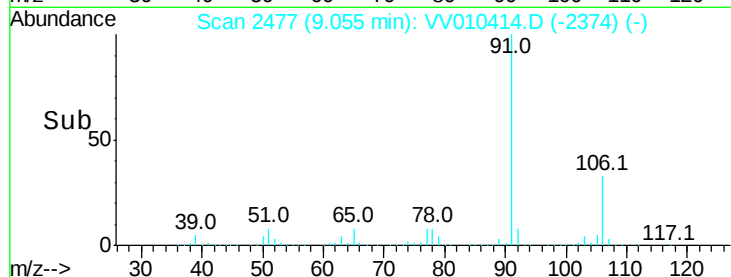
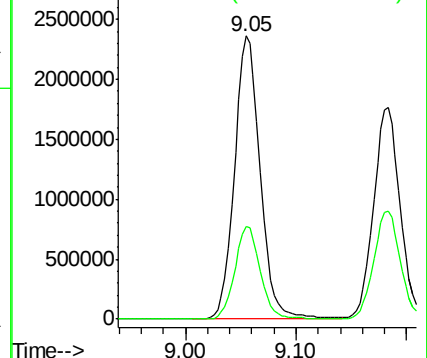
91 100

106 32.6 22.5 41.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 106.185 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV010414.D

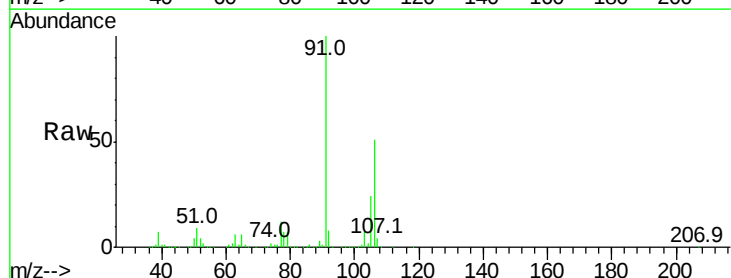
Acq: 22 Apr 2019 14:28

Tgt Ion: 106 Resp: 1536929

Ion Ratio Lower Upper

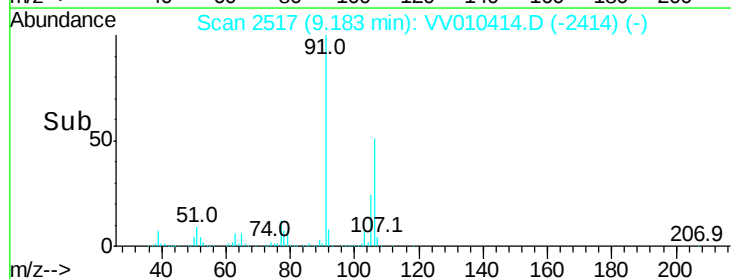
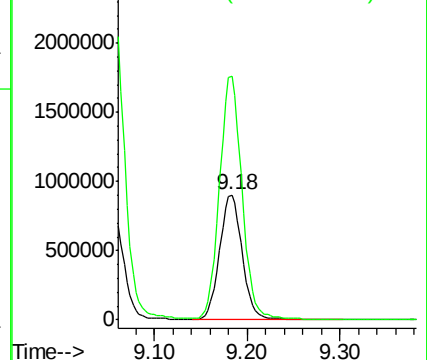
106 100

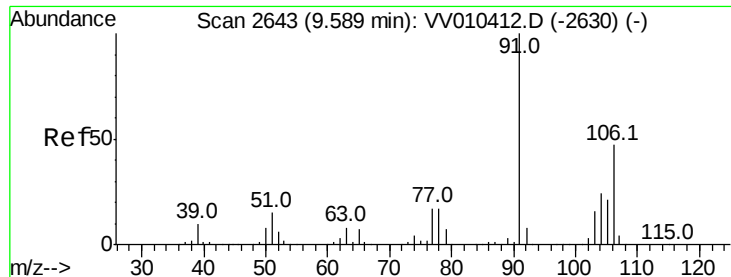
91 195.4 142.5 264.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

o-xylene

Concen: 107.887 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

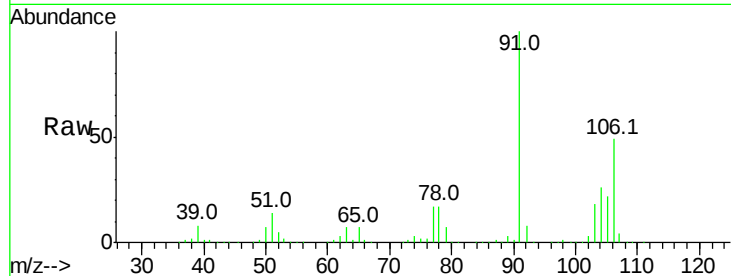
Instrument :
MSVOA_V
ClientSampleId :
VSTD10081

Tgt Ion:106 Resp: 1506016

Ion Ratio Lower Upper

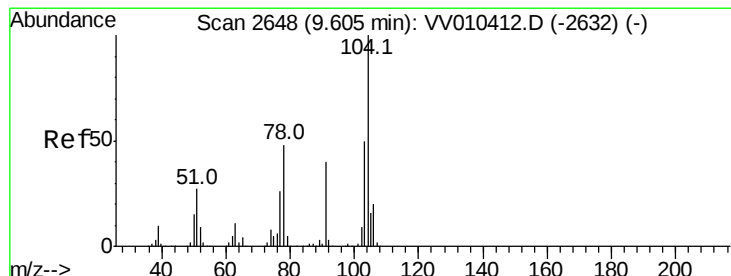
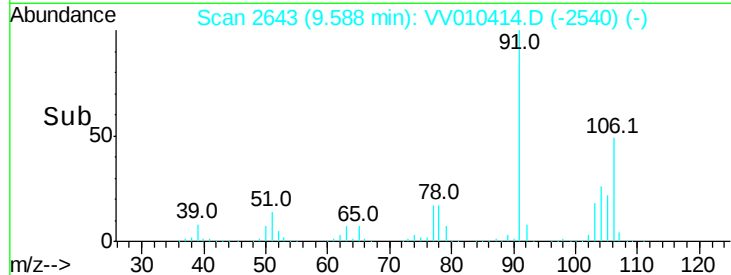
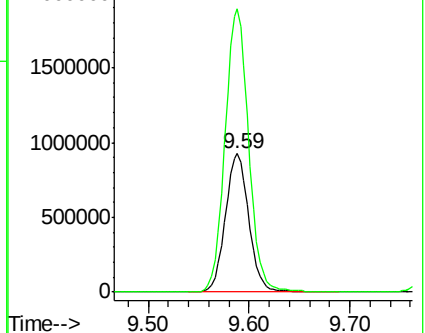
106 100

91 204.9 148.5 275.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 108.473 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV010414.D

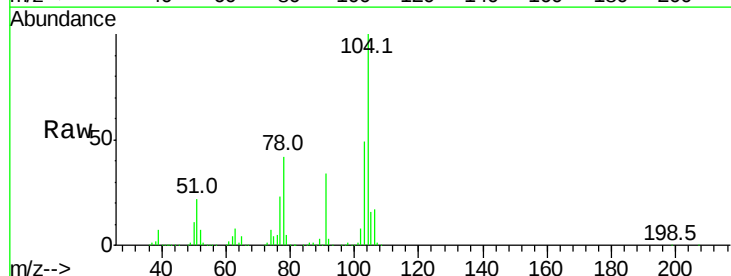
Acq: 22 Apr 2019 14:28

Tgt Ion:104 Resp: 2585579

Ion Ratio Lower Upper

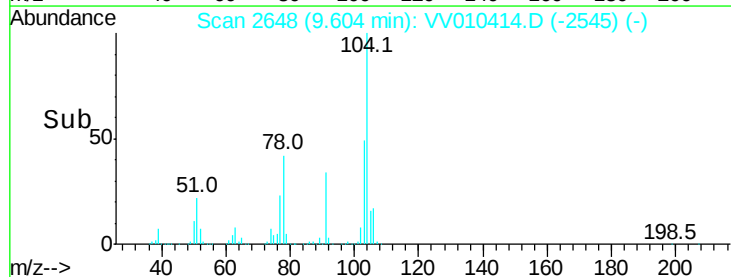
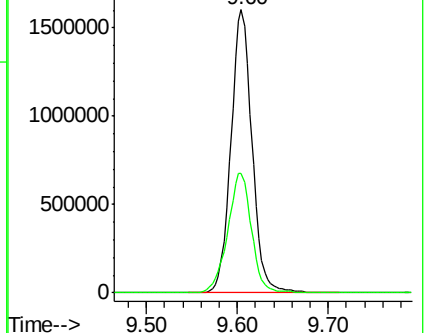
104 100

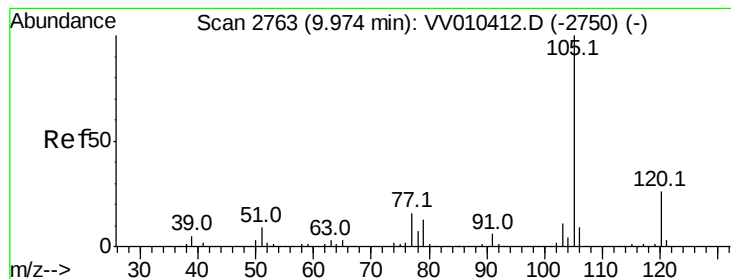
78 42.3 33.3 61.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 105.759 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD10081

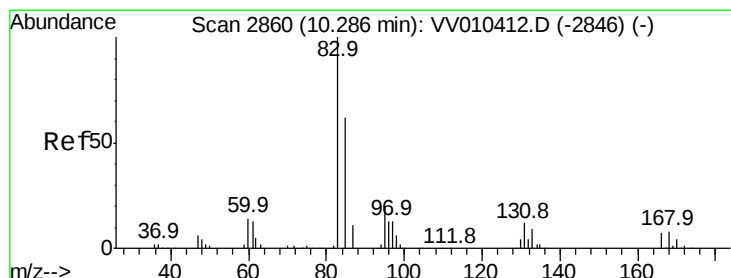
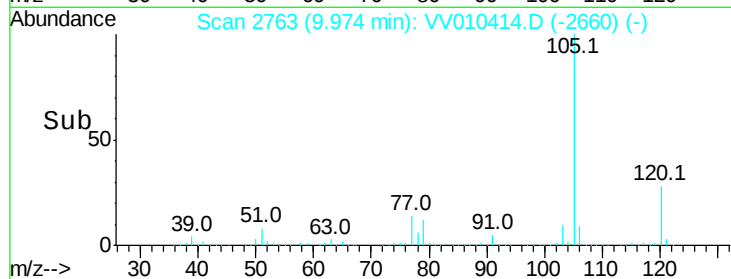
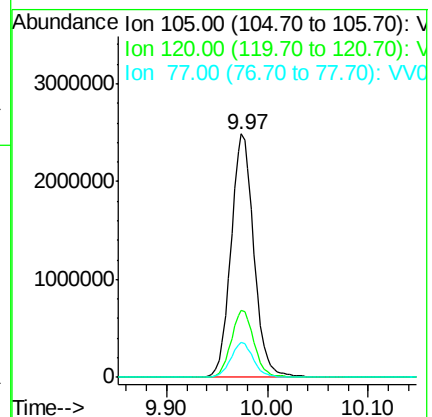
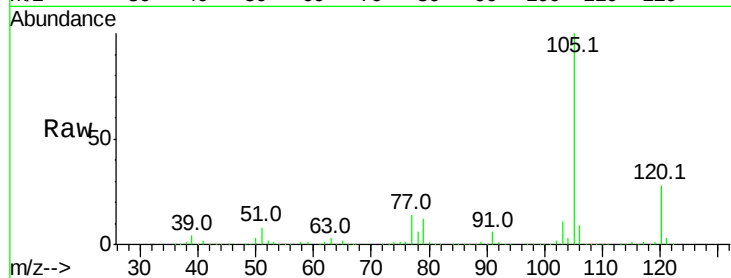
Tgt Ion:105 Resp: 3933860

Ion Ratio Lower Upper

105 100

120 27.6 21.4 32.0

77 14.2 12.9 19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 95.197 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

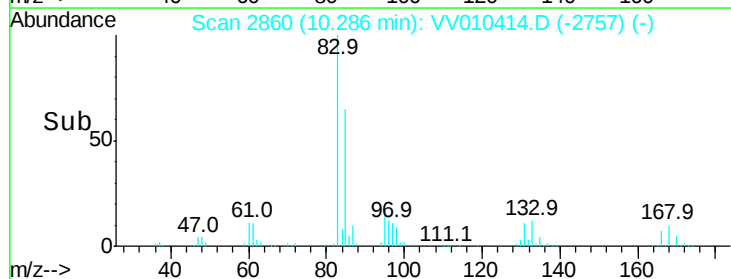
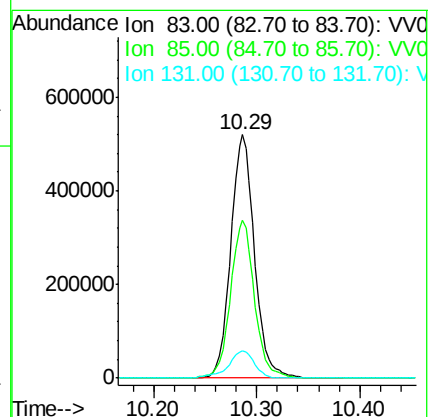
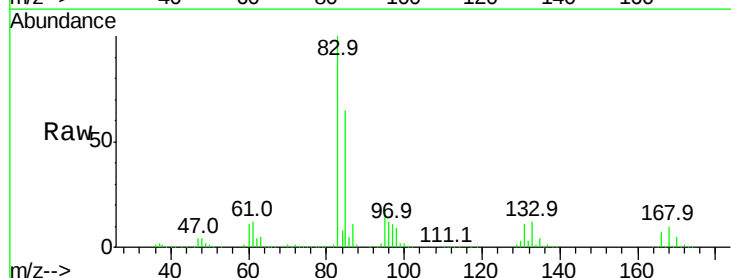
Tgt Ion: 83 Resp: 830383

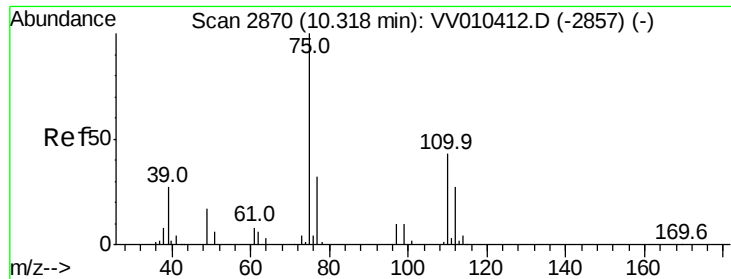
Ion Ratio Lower Upper

83 100

85 64.9 43.6 81.0

131 11.3 9.8 14.6

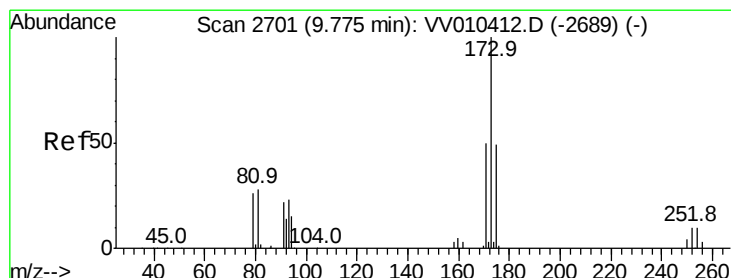
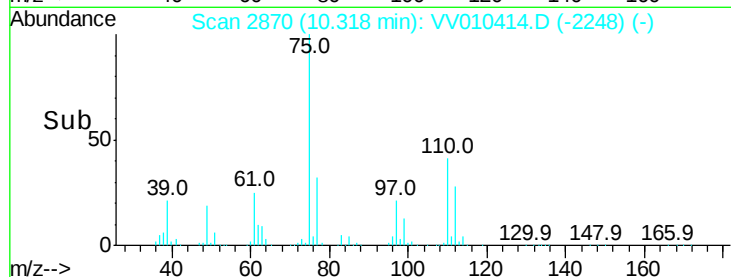
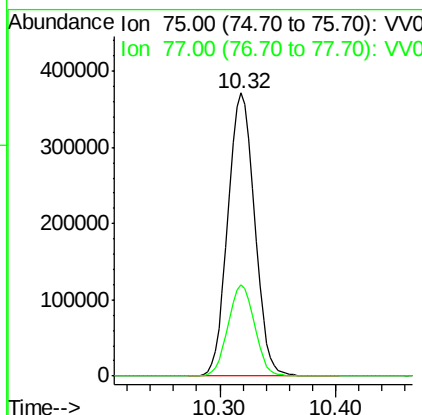
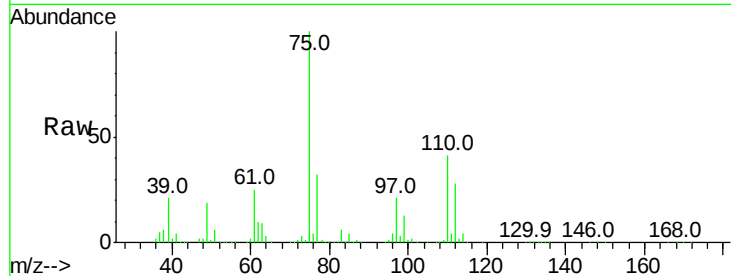




#59
 1,2,3-Trichloropropane
 Concen: 93.447 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV010414.D
 Acq: 22 Apr 2019 14:28

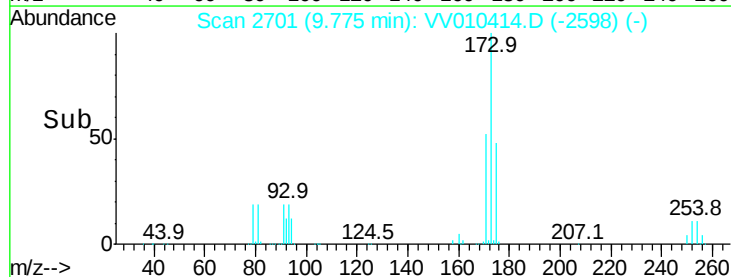
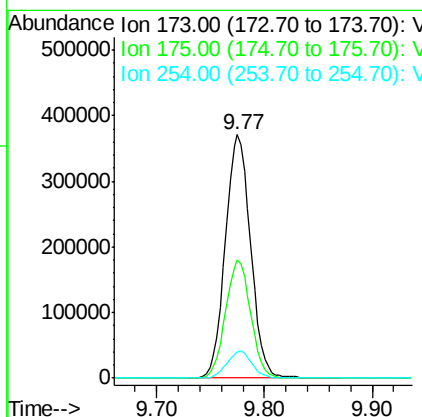
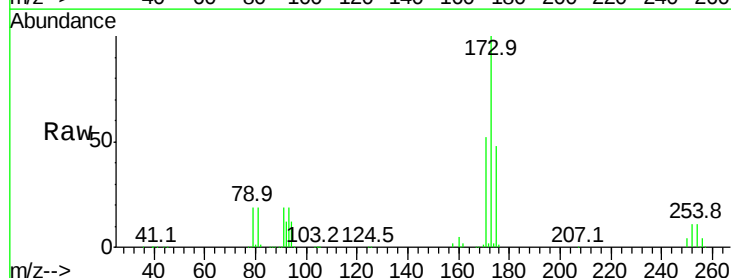
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10081

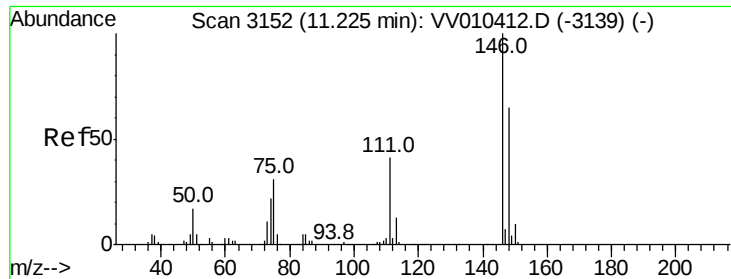
Tgt Ion: 75 Resp: 590238
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.2 39.2



#62
 Bromoform
 Concen: 110.419 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV010414.D
 Acq: 22 Apr 2019 14:28

Tgt Ion: 173 Resp: 604262
 Ion Ratio Lower Upper
 173 100
 175 48.0 39.3 58.9
 254 10.9 8.2 12.4

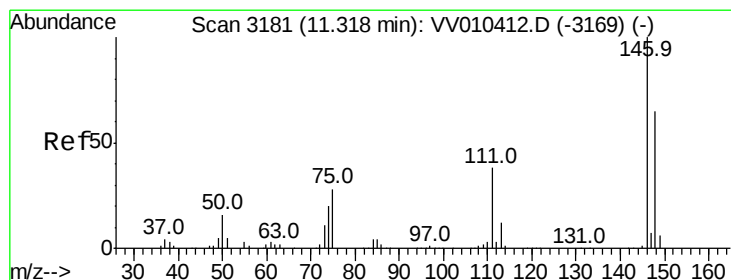
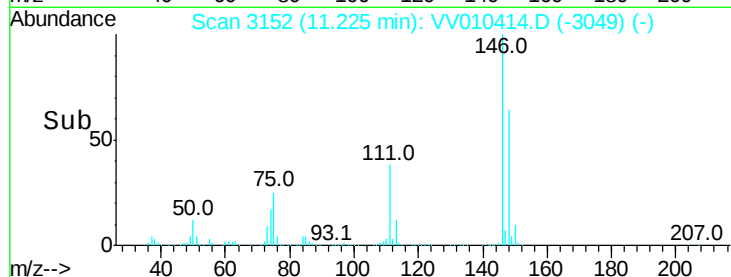
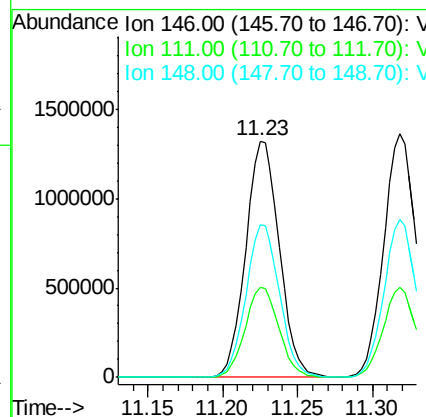
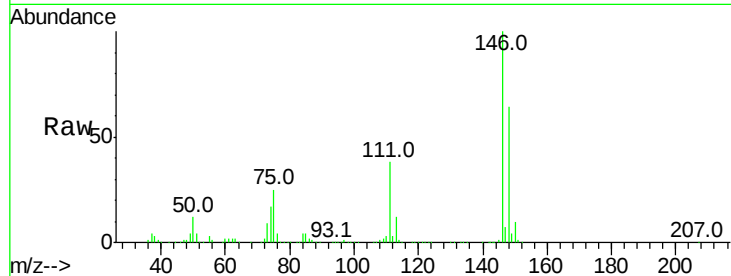




#63
 1,3-Dichlorobenzene
 Concen: 96.029 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV010414.D
 Acq: 22 Apr 2019 14:28

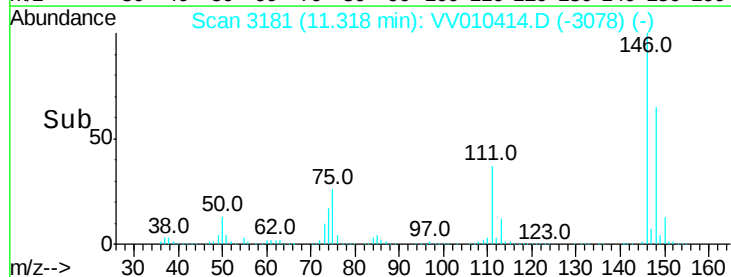
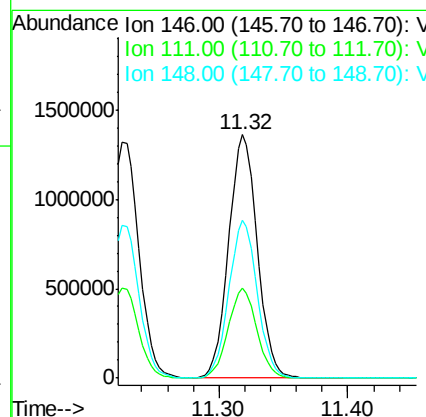
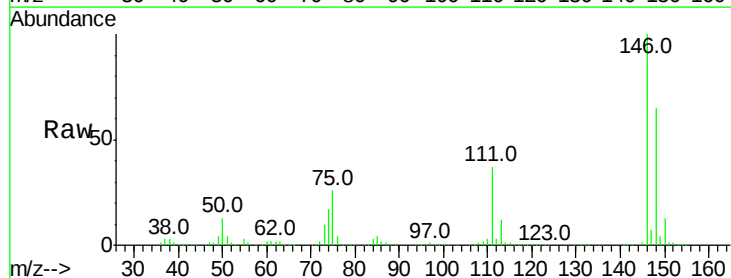
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10081

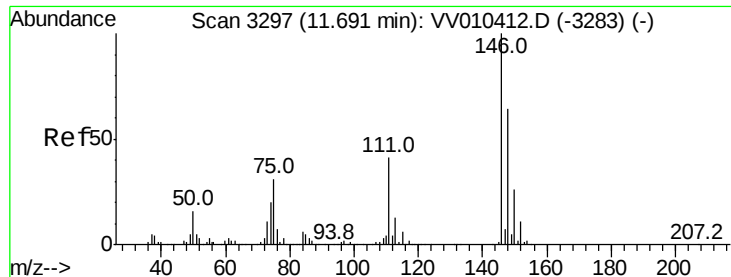
Tgt Ion:146 Resp: 2073167
 Ion Ratio Lower Upper
 146 100
 111 38.3 28.8 53.4
 148 64.4 45.6 84.6



#64
 1,4-Dichlorobenzene
 Concen: 94.049 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV010414.D
 Acq: 22 Apr 2019 14:28

Tgt Ion:146 Resp: 2093435
 Ion Ratio Lower Upper
 146 100
 111 37.0 26.9 49.9
 148 64.9 45.6 84.6





#65

1,2-Dichlorobenzene

Concen: 94.336 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD10081

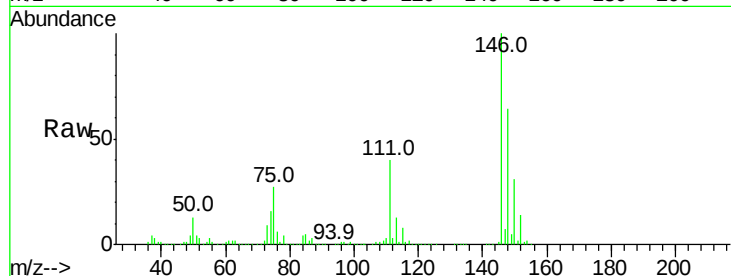
Tgt Ion:146 Resp: 1966359

Ion Ratio Lower Upper

146 100

111 39.6 32.9 49.3

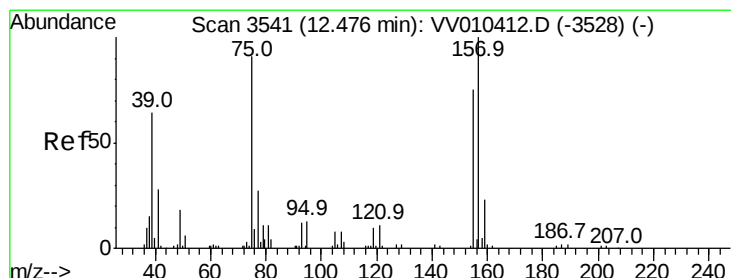
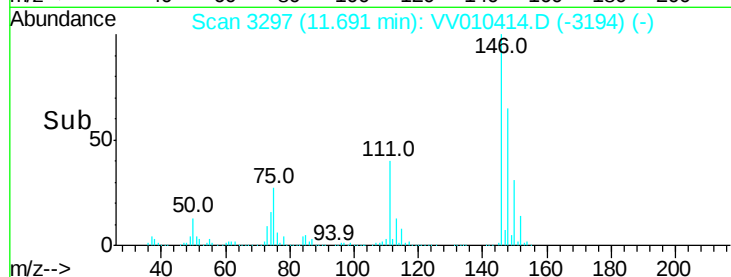
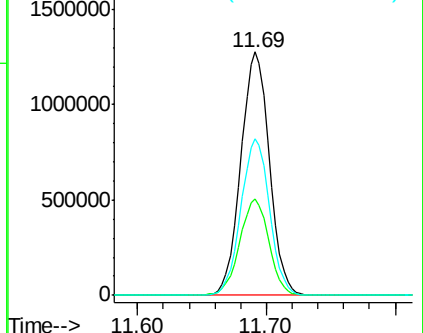
148 64.5 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 82.560 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

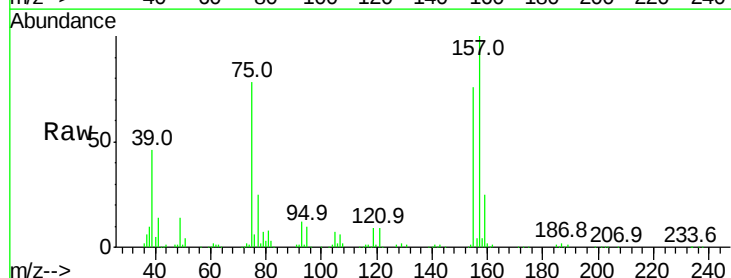
Tgt Ion: 75 Resp: 137531

Ion Ratio Lower Upper

75 100

157 128.0 88.2 132.2

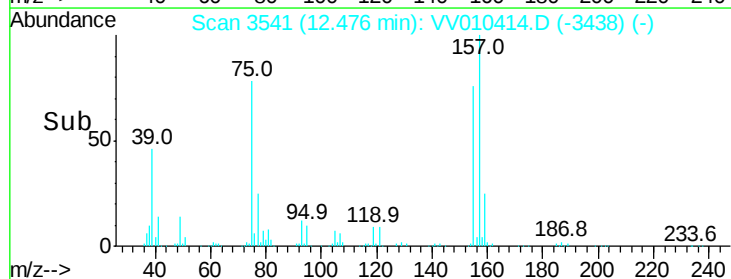
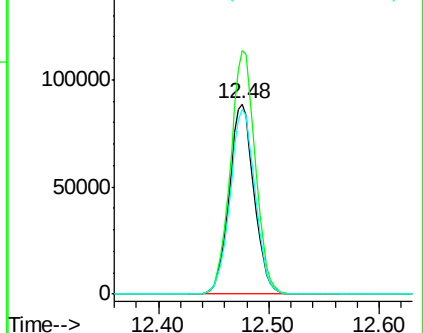
155 97.3 66.4 99.6

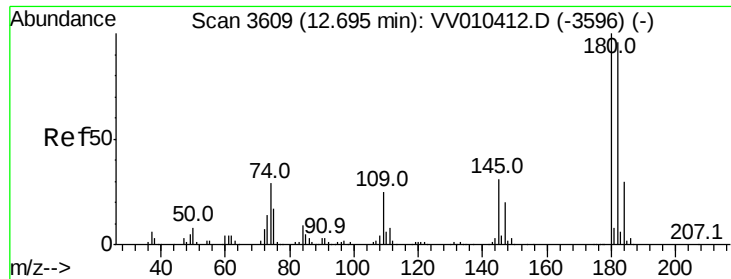


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

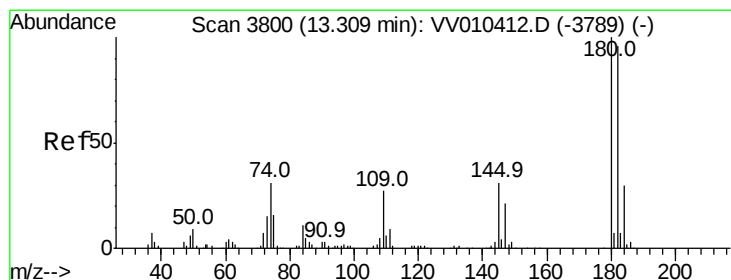
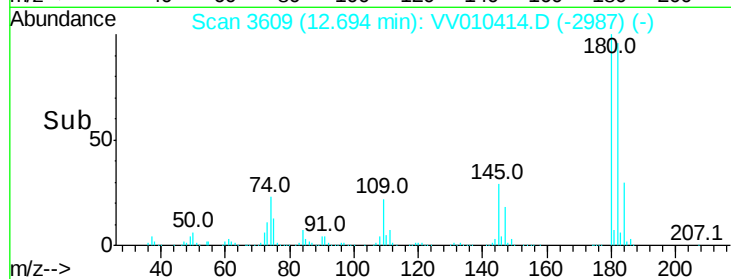
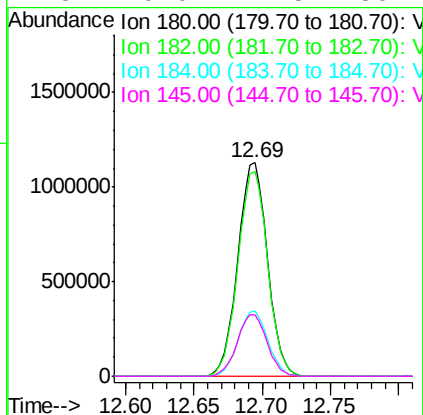
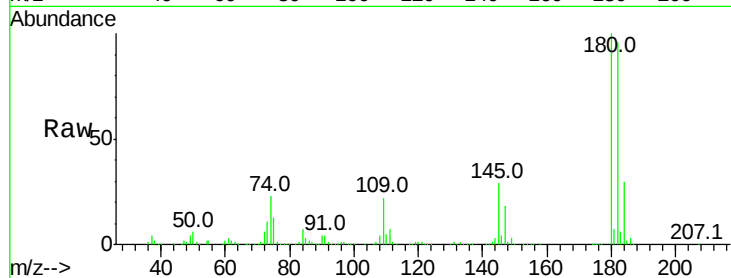




#67
 1,3,5-Trichlorobenzene
 Concen: 94.687 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV010414.D
 Acq: 22 Apr 2019 14:28

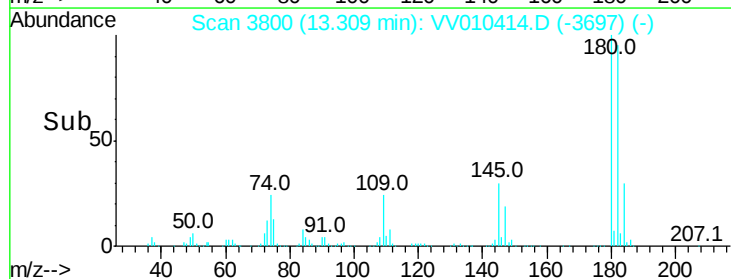
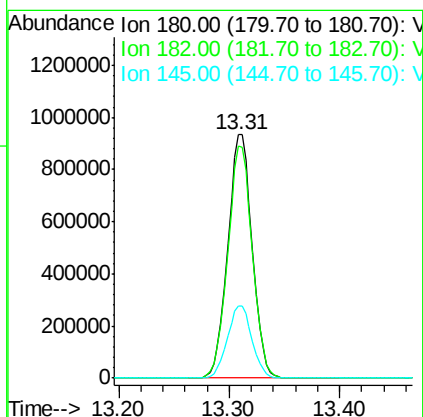
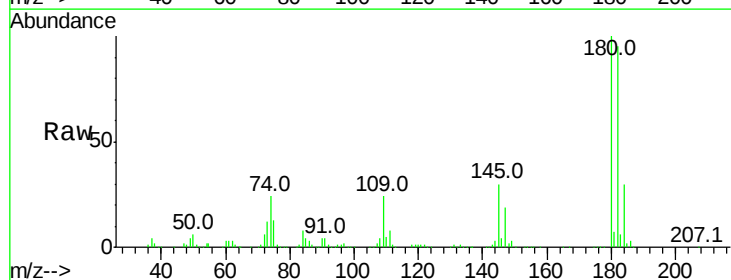
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10081

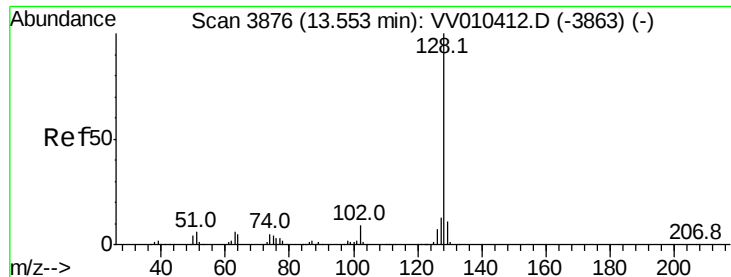
Tgt Ion:180 Resp: 1700172
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.2 114.2
 184 30.5 24.1 36.1
 145 29.0 24.5 36.7



#68
 1,2,4-trichlorobenzene
 Concen: 99.466 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV010414.D
 Acq: 22 Apr 2019 14:28

Tgt Ion:180 Resp: 1427307
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.3 114.5
 145 30.0 25.1 37.7





#69

Naphthalene

Concen: 96.038 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD10081

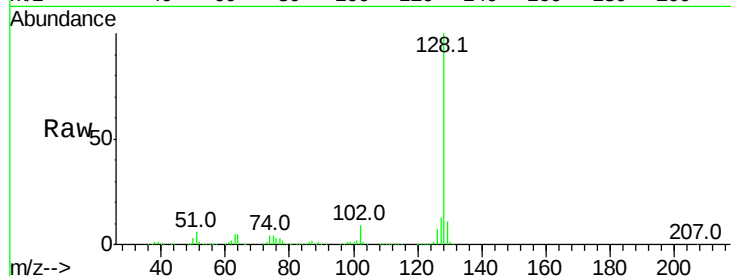
Tgt Ion:128 Resp: 2545024

Ion Ratio Lower Upper

128 100

129 10.8 8.4 12.6

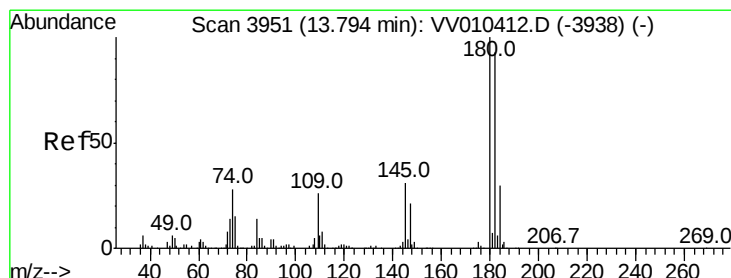
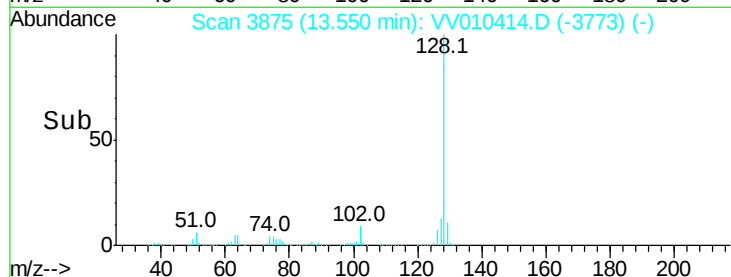
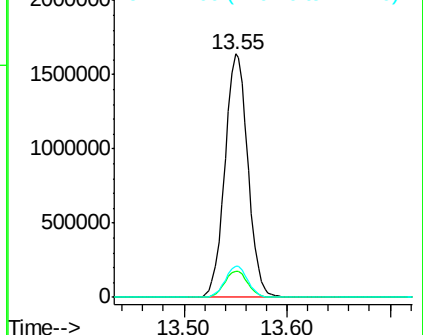
127 12.8 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 95.301 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV010414.D

Acq: 22 Apr 2019 14:28

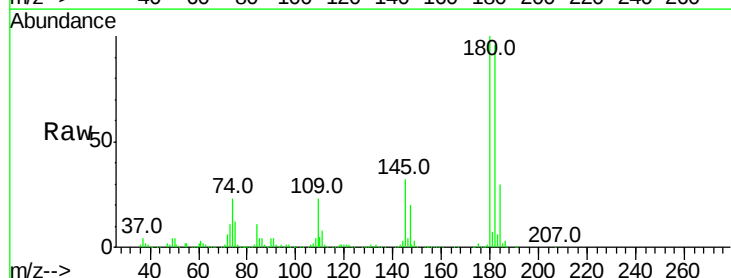
Tgt Ion:180 Resp: 1328883

Ion Ratio Lower Upper

180 100

182 95.3 76.6 114.8

145 31.7 25.8 38.8



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

