

Data File : VV009604.D

Acq On : 12 Mar 2019 11:53

Operator : SY/MD

Sample : VSTD10064

Misc : 5.0mL/MSVOA_V/WATER

ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

Quant Time: Mar 13 01:51:46 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031219WMA.M

Quant Title : VOC Analysis

QLast Update : Wed Mar 13 01:47:22 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	173951	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	179359	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	90028	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	97799	95.00	ug/L	0.00
7) Chloroethane-d5	1.55	69	112600	105.08	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	255263	93.98	ug/L	0.00
21) 2-Butanone-d5	3.93	46	151660	199.34	ug/L	0.00
24) Chloroform-d	4.40	84	221526	98.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	143456	96.40	ug/L	0.00
32) Benzene-d6	5.10	84	441460	94.66	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	132863	95.27	ug/L	0.00
41) Toluene-d8	7.36	98	451727	99.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	74035	102.79	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	120979	198.34	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	222611	99.37	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	181666	95.65	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	105449	95.861	ug/L	99
3) Chloromethane	1.25	50	97995	93.263	ug/L	95
5) Vinyl chloride	1.32	62	107877	96.289	ug/L	98
6) Bromomethane	1.51	94	89525	93.682	ug/L	99
8) Chloroethane	1.57	64	80409	92.158	ug/L	100
9) Trichlorofluoromethane	1.75	101	225525	94.949	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	124217	94.316	ug/L	99
12) 1,1-Dichloroethene	2.13	96	107536	95.443	ug/L	96
13) Acetone	2.19	43	138555	172.790	ug/L	96
14) Carbon disulfide	2.31	76	278658	99.137	ug/L	99
15) Methyl Acetate	2.46	43	98671	94.951	ug/L	99
16) Methylene chloride	2.53	84	106108	96.767	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	99485	96.820	ug/L	97
18) Methyl tert-butyl Ether	2.81	73	320964	97.194	ug/L	99
19) 1,1-Dichloroethane	3.23	63	185192	97.465	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	116516	97.484	ug/L	98
22) 2-Butanone	4.02	43	172191	197.858	ug/L	98
23) Bromochloromethane	4.30	128	59139	98.051	ug/L	95
25) Chloroform	4.43	83	204284	95.911	ug/L	95
27) 1,2-Dichloroethane	5.18	62	160944	96.441	ug/L	99
29) Cyclohexane	4.72	56	166608	95.426	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	183787	96.933	ug/L	98
31) Carbon tetrachloride	4.87	117	159269	100.660	ug/L	97
33) Benzene	5.15	78	434939	96.621	ug/L	100
34) Trichloroethene	5.96	95	114817	95.565	ug/L	98
35) Methylcyclohexane	6.18	83	188271	96.868	ug/L	98
37) 1,2-Dichloropropane	6.22	63	110869	96.630	ug/L	99
38) Bromodichloromethane	6.56	83	158451	97.932	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	189283	103.504	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	303630	196.889	ug/L	99

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Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

Quant Time: Mar 13 01:51:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031219WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 13 01:47:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	499232	97.303	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	180096	104.881	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	116498	98.442	ug/L	98
46) Tetrachloroethene	8.02	164	90960	96.298	ug/L	98
48) 2-Hexanone	8.19	43	243229	197.933	ug/L	98
49) Dibromochloromethane	8.29	129	139437	105.867	ug/L	100
50) 1,2-Dibromoethane	8.40	107	126678	101.056	ug/L	99
51) Chlorobenzene	8.93	112	343330	99.679	ug/L	97
52) Ethylbenzene	9.06	91	581058	99.969	ug/L	100
53) m,p-Xylene	9.18	106	228500	102.617	ug/L	95
54) o-Xylene	9.59	106	228123	101.495	ug/L	99
55) Styrene	9.60	104	382830	105.126	ug/L	97
56) Isopropylbenzene	9.98	105	597055	102.022	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	208727	99.766	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	156805	100.794	ug/L	98
61) Bromoform	9.78	173	102802	101.274	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	269263	98.376	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	262943	97.463	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	271580	96.845	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	42279	99.748	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	183436	103.398	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	142875	116.354	ug/L	99
69) Naphthalene	13.55	128	416551	120.480	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	146542	113.286	ug/L	97

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

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```
ALS Vial      : 5      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

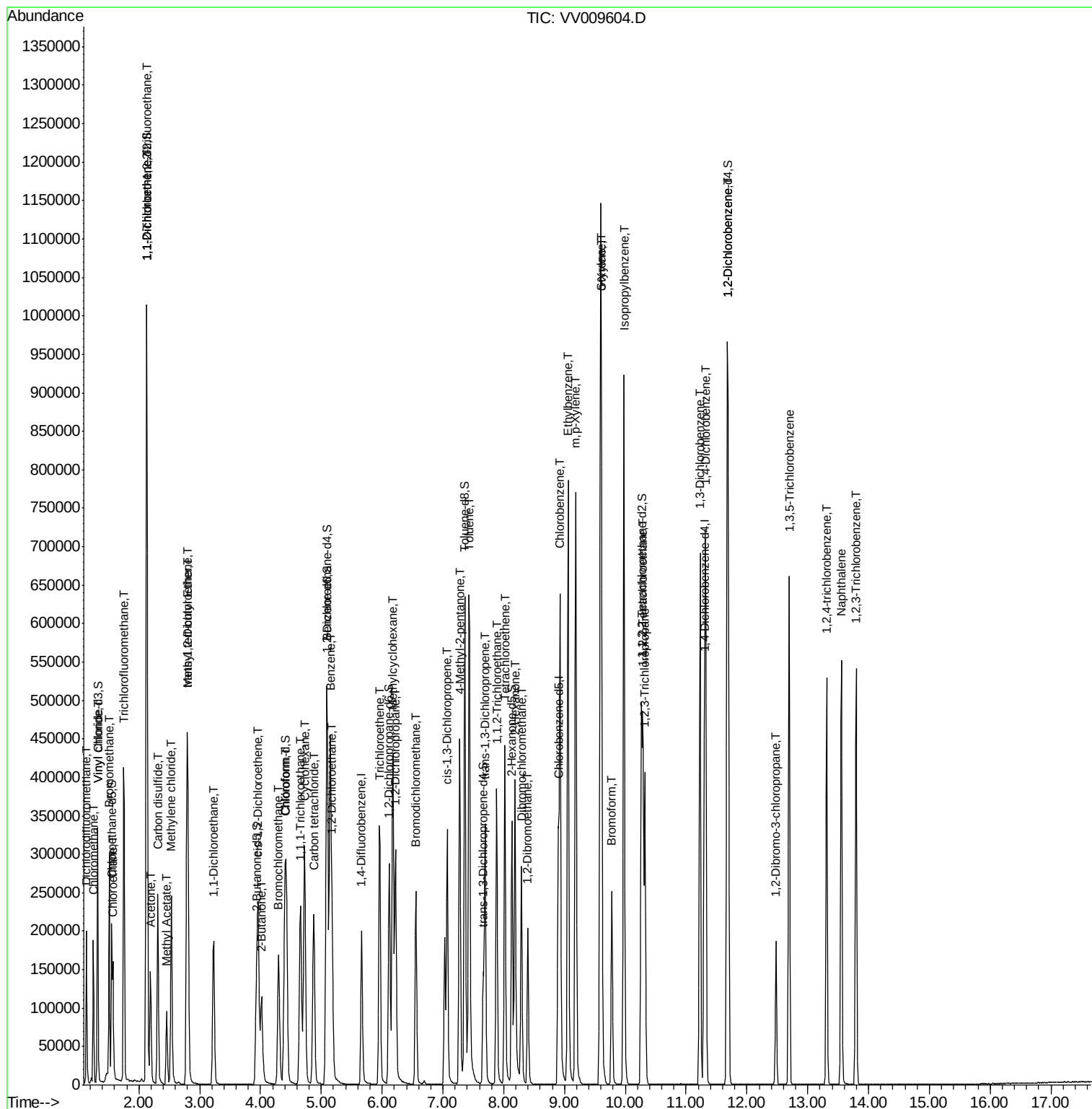
Quant Time: Mar 13 01:51:46 2019

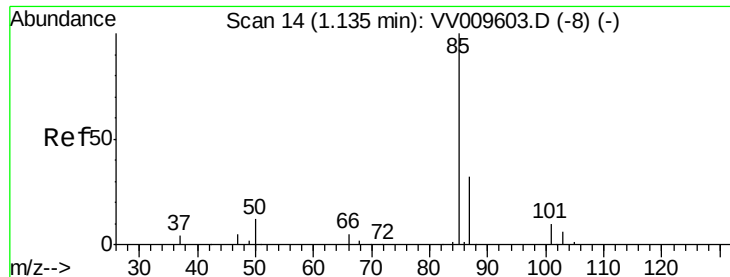
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVLM031219WMA.M

Quant Title : VOC Analysis

QLast Update : Wed Mar 13 01:47:22 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 95.861 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

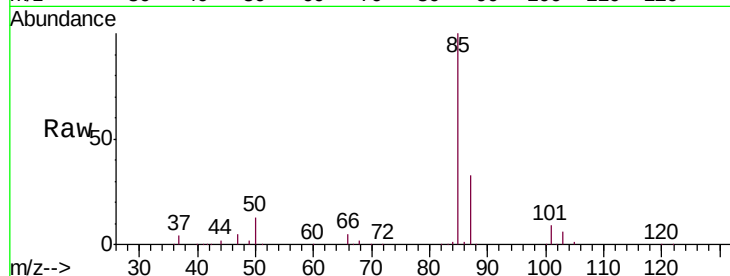
VSTD10064

Tgt Ion: 85 Resp: 105449

Ion Ratio Lower Upper

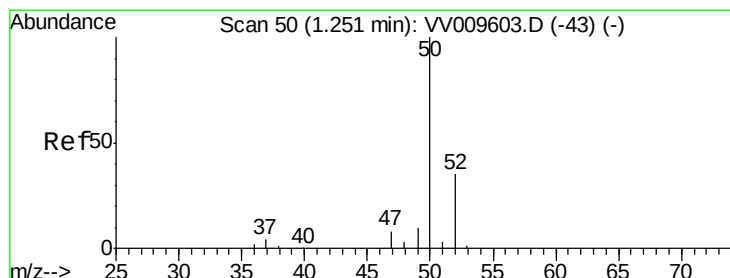
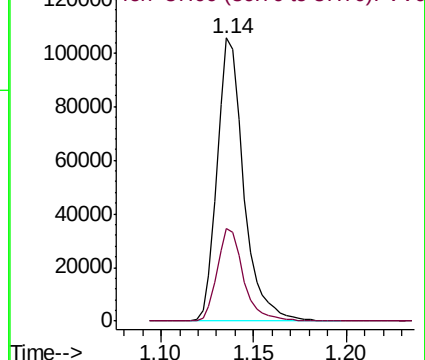
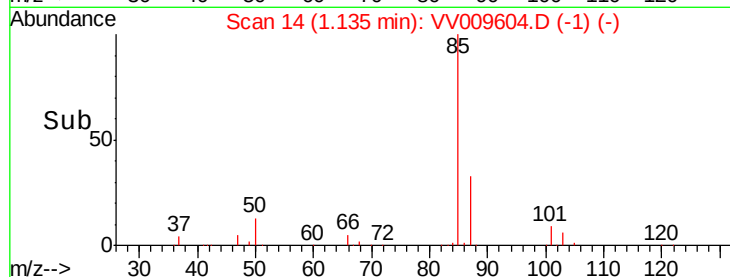
85 100

87 32.5 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV009604.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV009604.D (-1) (-)



#3

Chloromethane

Concen: 93.263 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009604.D

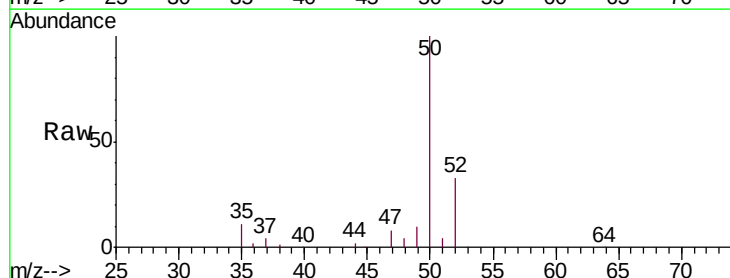
Acq: 12 Mar 2019 11:53

Tgt Ion: 50 Resp: 97995

Ion Ratio Lower Upper

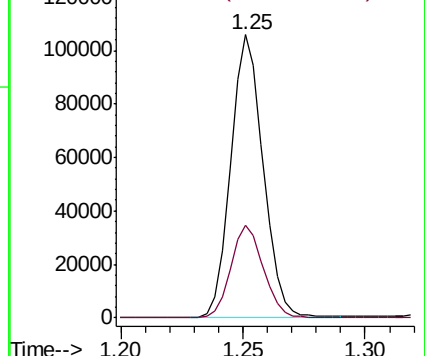
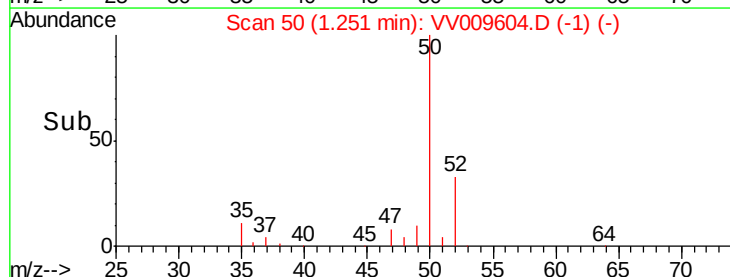
50 100

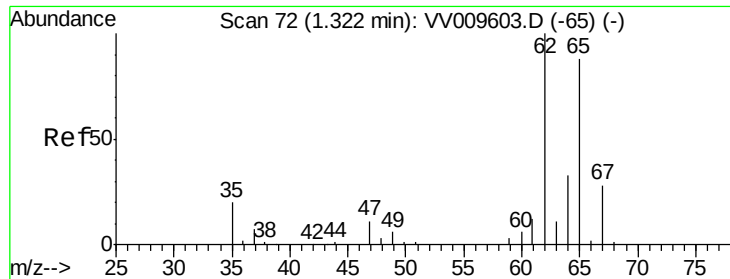
52 32.6 24.7 45.9



Abundance Ion 50.00 (49.70 to 50.70): VV009604.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV009604.D (-1) (-)





#5

Vinyl chloride

Concen: 96.289 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

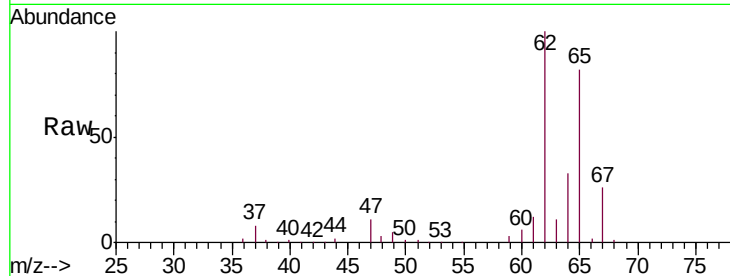
VSTD10064

Tgt Ion: 62 Resp: 107877

Ion Ratio Lower Upper

62 100

64 32.5 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

120000

100000

80000

60000

40000

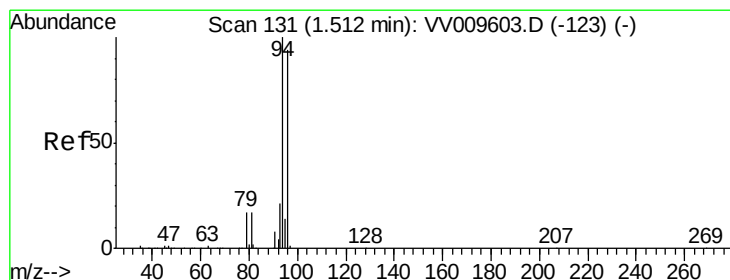
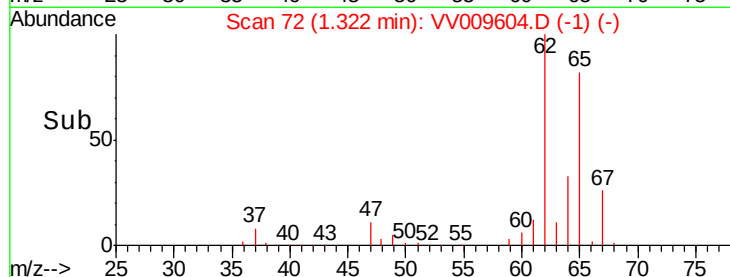
20000

0

Time-->

1.25 1.30 1.35 1.40

1.32



#6

Bromomethane

Concen: 93.682 ug/L

RT: 1.51 min Scan# 131

Delta R.T. 0.00 min

Lab File: VV009604.D

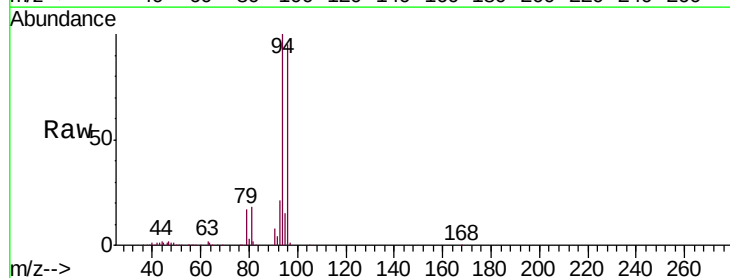
Acq: 12 Mar 2019 11:53

Tgt Ion: 94 Resp: 89525

Ion Ratio Lower Upper

94 100

96 94.7 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

120000

100000

80000

60000

40000

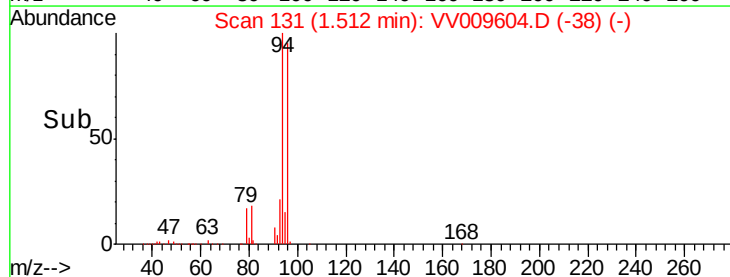
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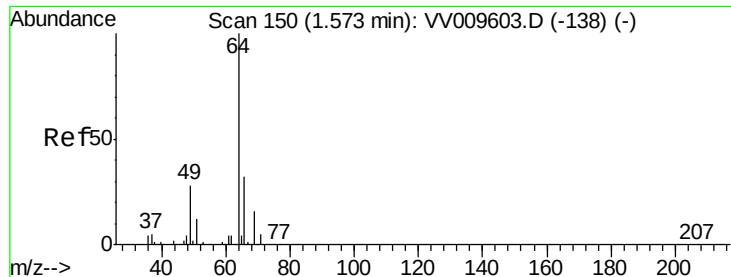
0

Time-->

1.45 1.50 1.55

1.51





#8

Chloroethane

Concen: 92.158 ug/L

RT: 1.57 min Scan# 150

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

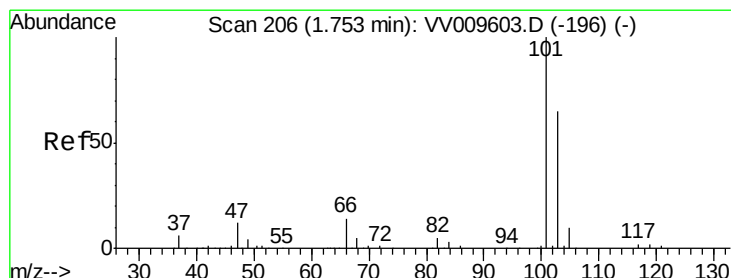
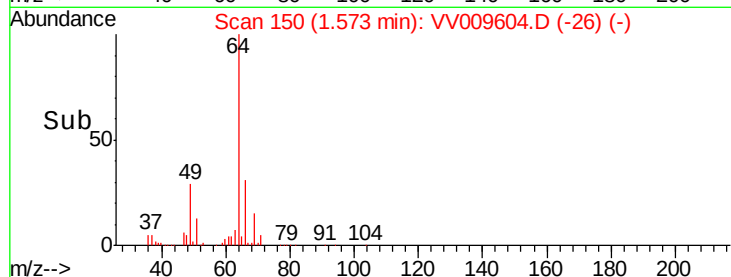
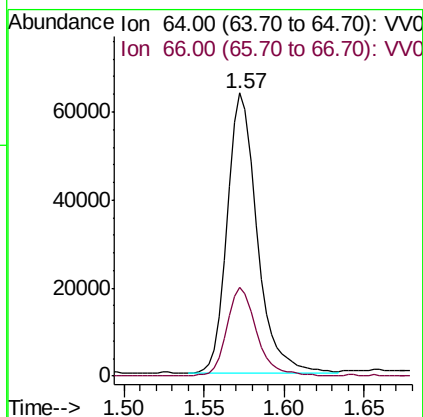
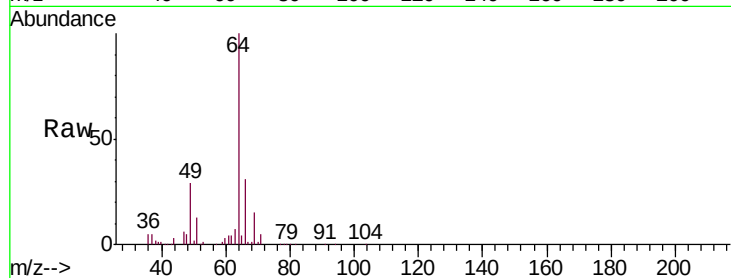
VSTD10064

Tgt Ion: 64 Resp: 80409

Ion Ratio Lower Upper

64 100

66 31.4 22.2 41.2



#9

Trichlorofluoromethane

Concen: 94.949 ug/L

RT: 1.75 min Scan# 206

Delta R.T. 0.00 min

Lab File: VV009604.D

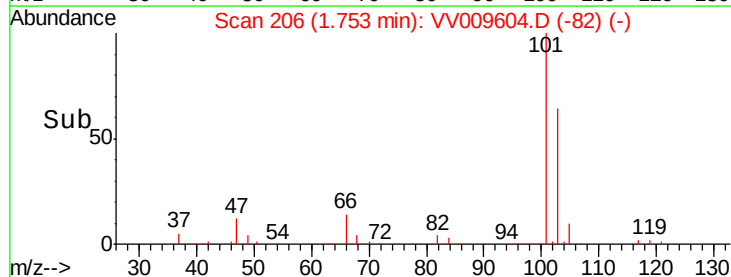
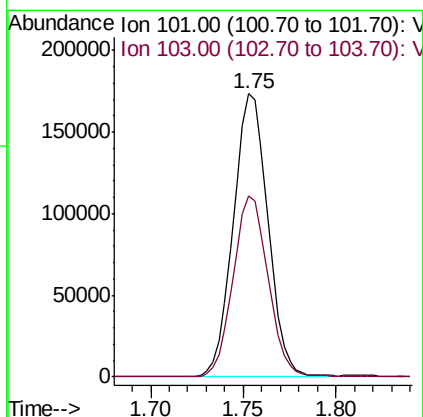
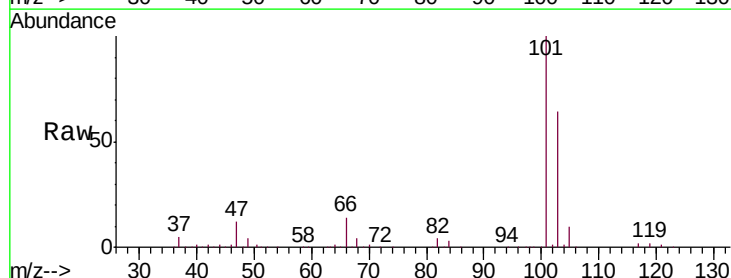
Acq: 12 Mar 2019 11:53

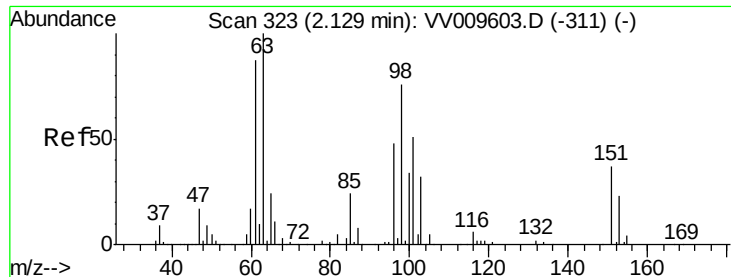
Tgt Ion: 101 Resp: 225525

Ion Ratio Lower Upper

101 100

103 64.5 51.8 77.6





#10

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

Concen: 94.316 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

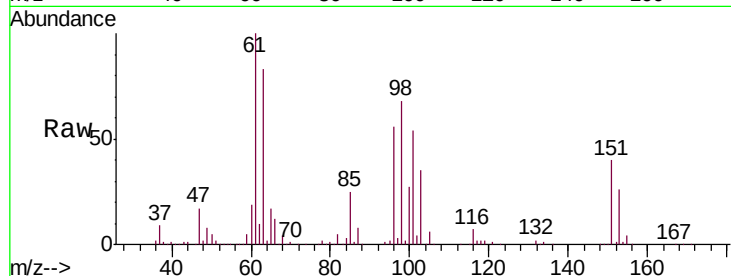
Tgt Ion: 101 Resp: 124217

Ion Ratio Lower Upper

101 100

85 48.1 37.8 56.6

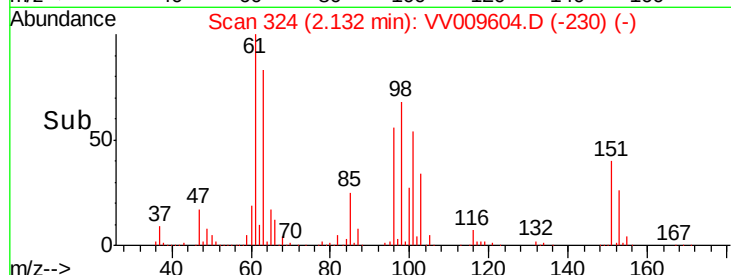
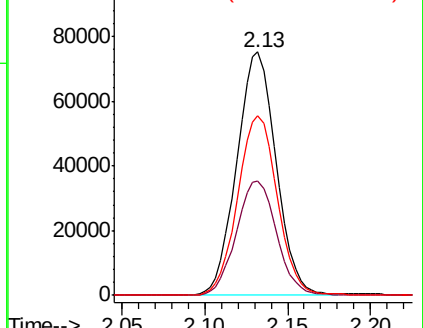
151 74.5 59.6 89.4



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: 95.443 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

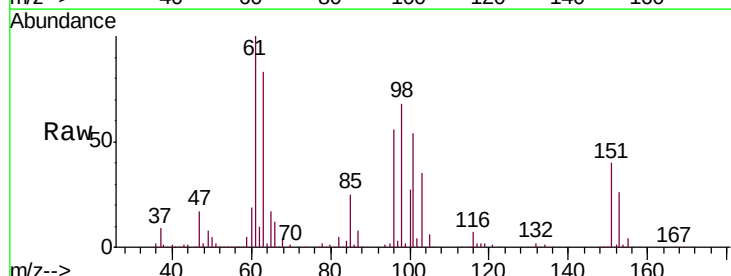
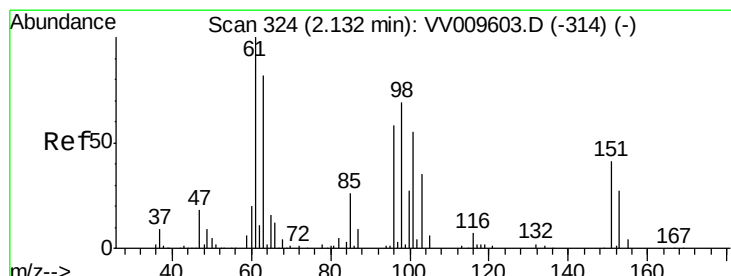
Tgt Ion: 96 Resp: 107536

Ion Ratio Lower Upper

96 100

61 179.5 122.1 226.7

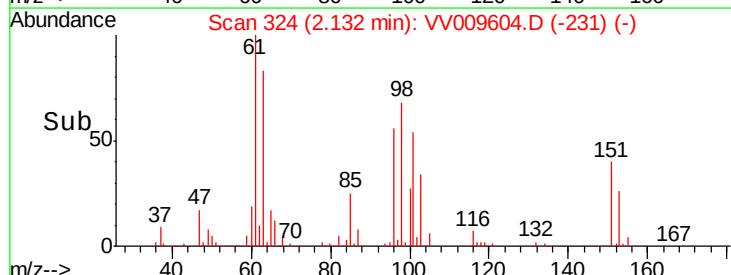
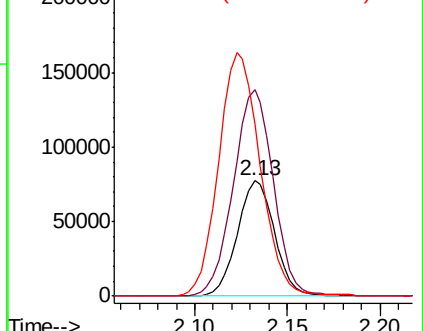
63 149.1 107.6 199.8

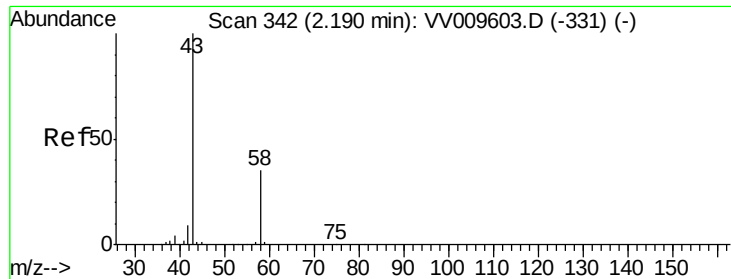


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

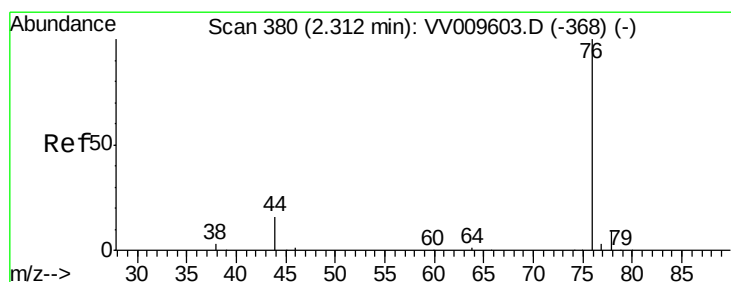
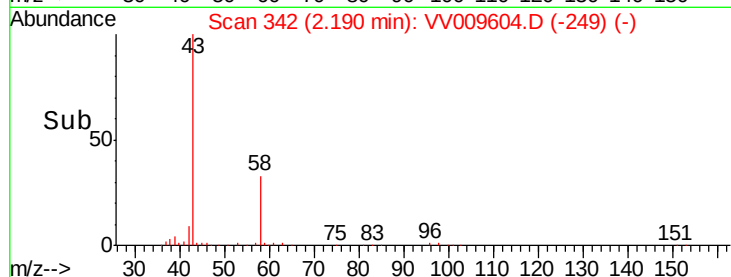
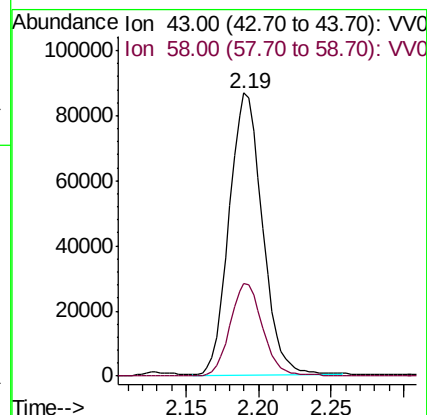
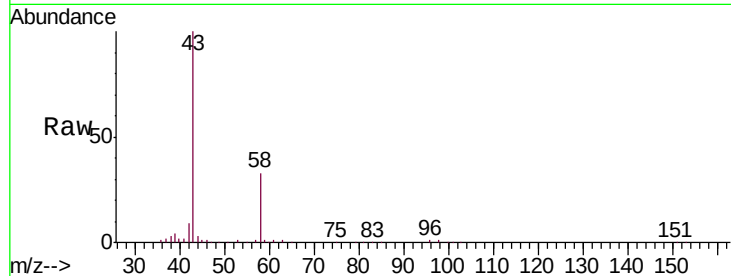




#13
Acetone
Concen: 172.790 ug/L
RT: 2.19 min Scan# 342
Delta R.T. 0.00 min
Lab File: VV009604.D
Acq: 12 Mar 2019 11:53

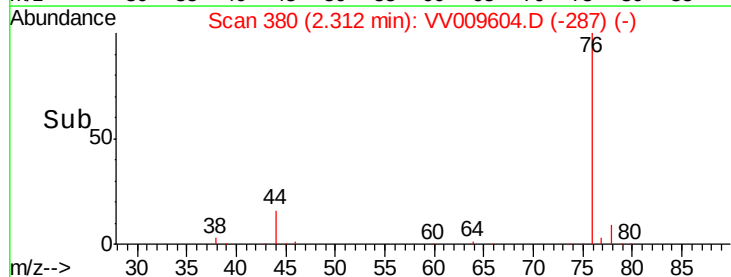
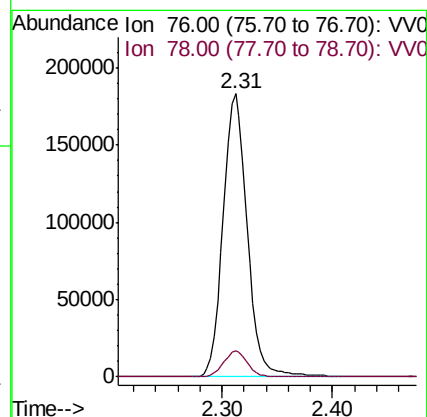
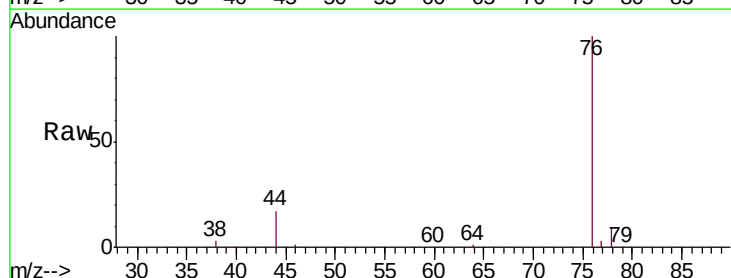
Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

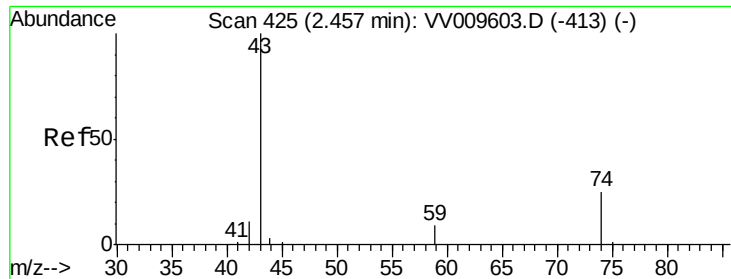
Tgt Ion: 43 Resp: 138555
Ion Ratio Lower Upper
43 100
58 31.9 0.0 69.0



#14
Carbon disulfide
Concen: 99.137 ug/L
RT: 2.31 min Scan# 380
Delta R.T. 0.00 min
Lab File: VV009604.D
Acq: 12 Mar 2019 11:53

Tgt Ion: 76 Resp: 278658
Ion Ratio Lower Upper
76 100
78 9.2 7.6 11.4

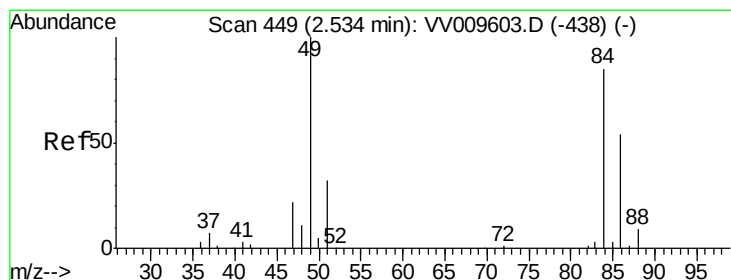
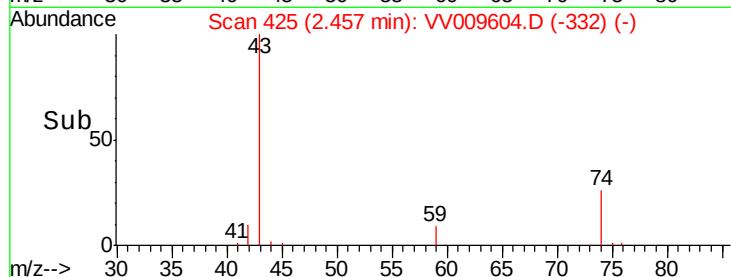
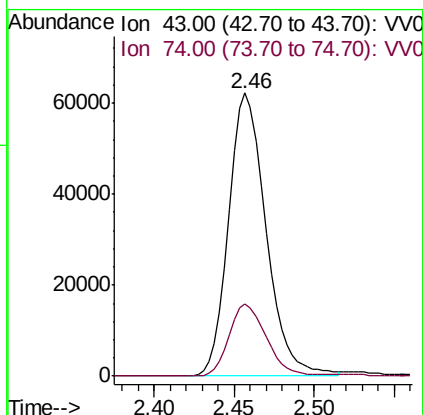
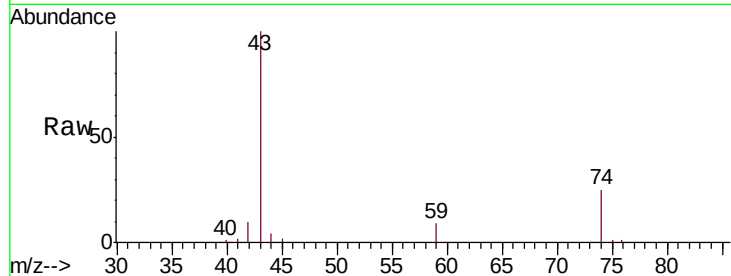




#15
Methyl Acetate
Concen: 94.951 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV009604.D
Acq: 12 Mar 2019 11:53

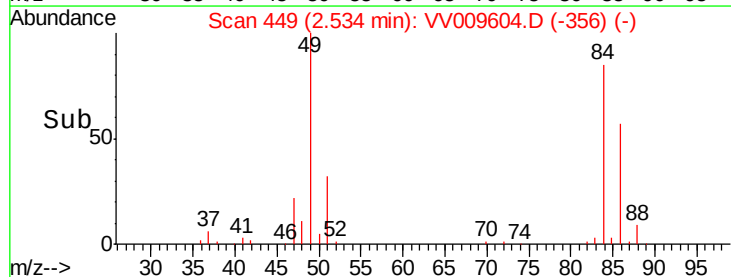
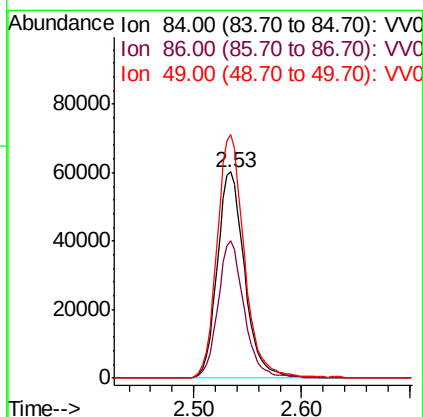
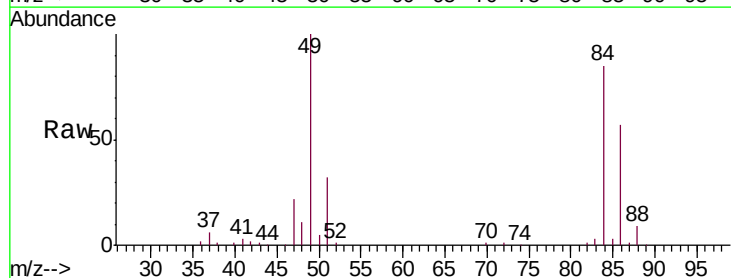
Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

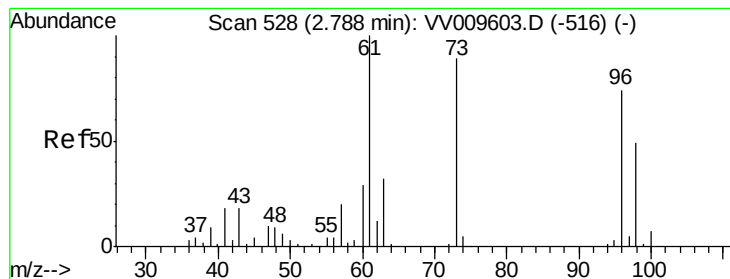
Tgt Ion: 43 Resp: 98671
Ion Ratio Lower Upper
43 100
74 25.4 20.0 30.0



#16
Methylene chloride
Concen: 96.767 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV009604.D
Acq: 12 Mar 2019 11:53

Tgt Ion: 84 Resp: 106108
Ion Ratio Lower Upper
84 100
86 66.7 44.0 81.6
49 118.1 82.0 152.4





#17

trans-1,2-Dichloroethene

Concen: 96.820 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

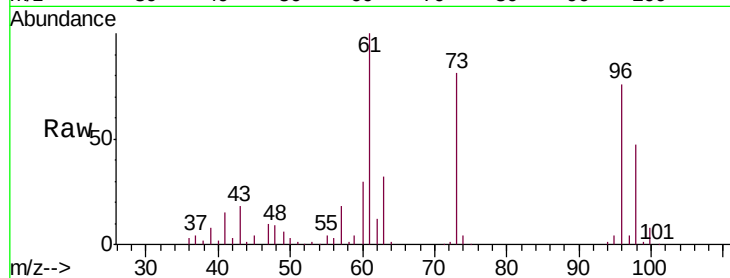
Tgt Ion: 96 Resp: 99485

Ion Ratio Lower Upper

96 100

61 132.2 94.0 174.6

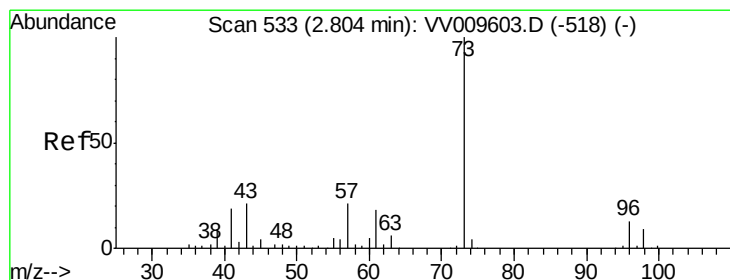
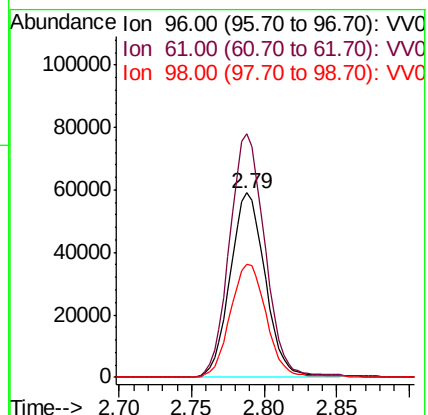
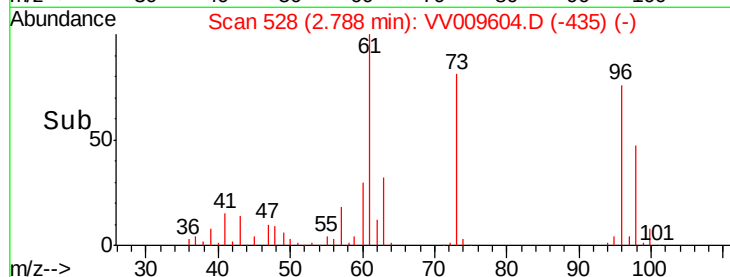
98 61.6 45.8 85.2



Abundance Ion 96.00 (95.70 to 96.70): VV009604.D (-435) (-)

Ion 61.00 (60.70 to 61.70): VV009604.D (-435) (-)

Ion 98.00 (97.70 to 98.70): VV009604.D (-435) (-)



#18

Methyl tert-butyl Ether

Concen: 97.194 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

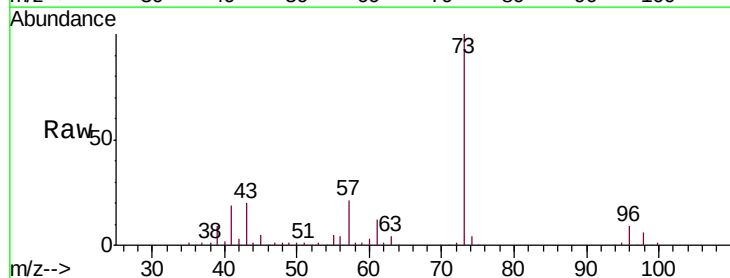
Tgt Ion: 73 Resp: 320964

Ion Ratio Lower Upper

73 100

43 19.9 16.3 24.5

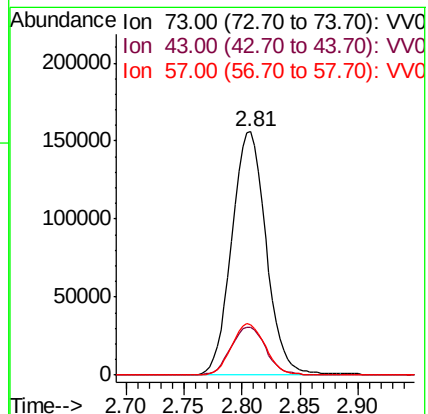
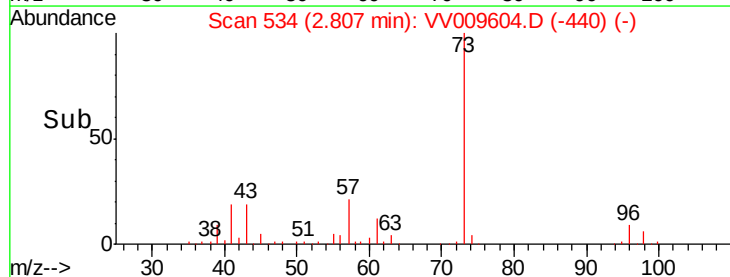
57 21.0 17.0 25.4

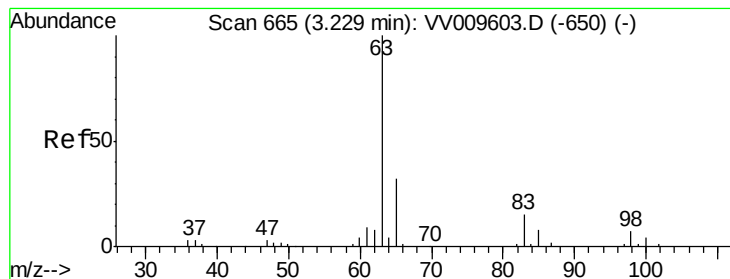


Abundance Ion 73.00 (72.70 to 73.70): VV009604.D (-440) (-)

Ion 43.00 (42.70 to 43.70): VV009604.D (-440) (-)

Ion 57.00 (56.70 to 57.70): VV009604.D (-440) (-)





#19

1,1-Dichloroethane

Concen: 97.465 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

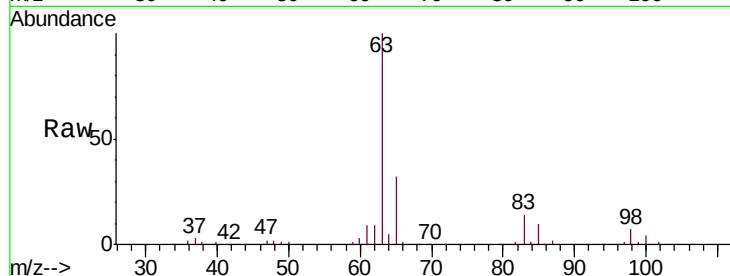
Tgt Ion: 63 Resp: 185192

Ion Ratio Lower Upper

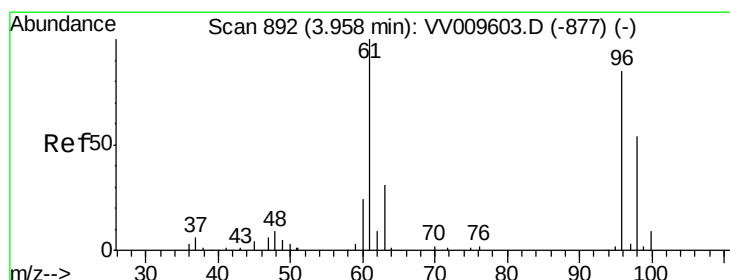
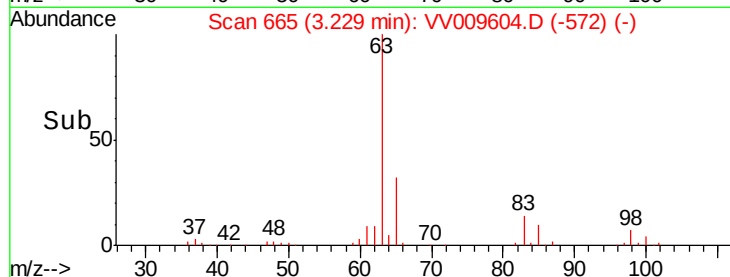
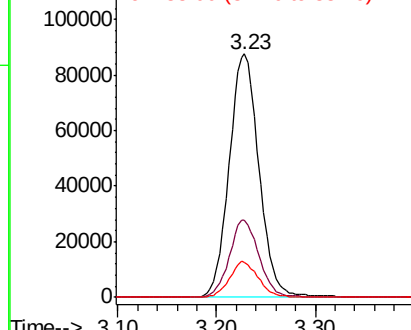
63 100

65 31.7 22.5 41.7

83 14.4 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 97.484 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

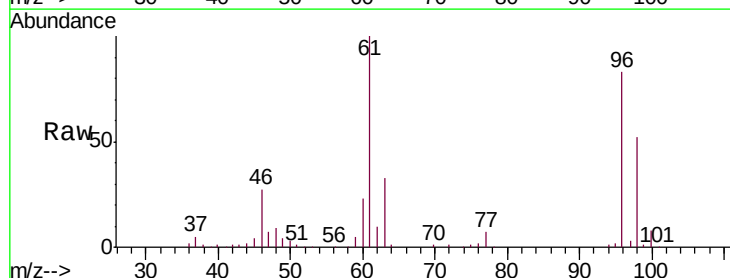
Tgt Ion: 96 Resp: 116516

Ion Ratio Lower Upper

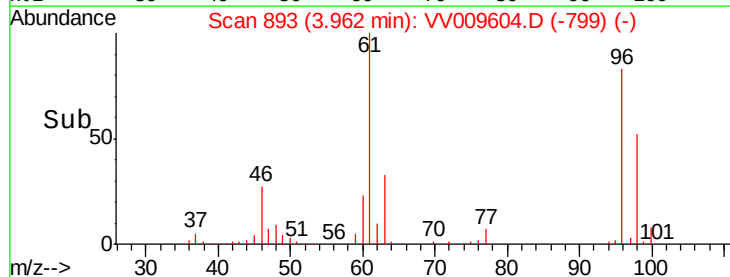
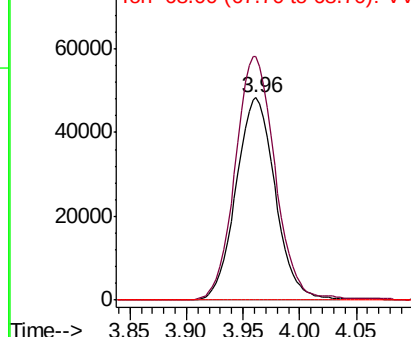
96 100

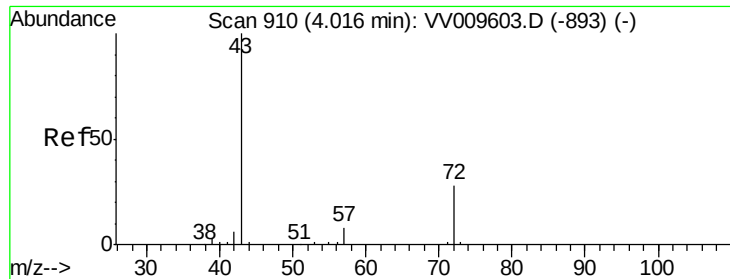
61 120.4 82.4 153.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 197.858 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

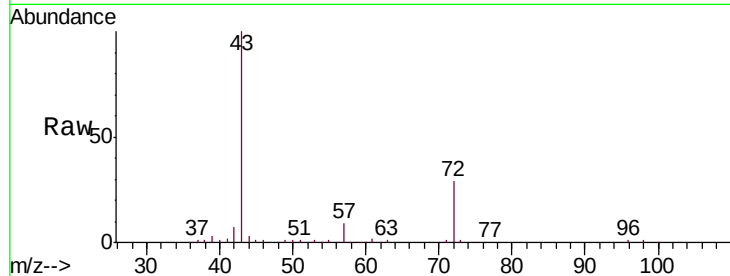
VSTD10064

Tgt Ion: 43 Resp: 172191

Ion Ratio Lower Upper

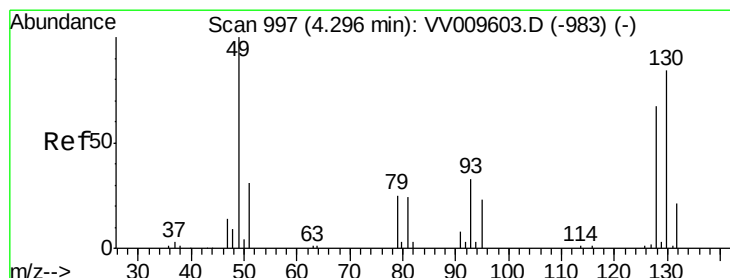
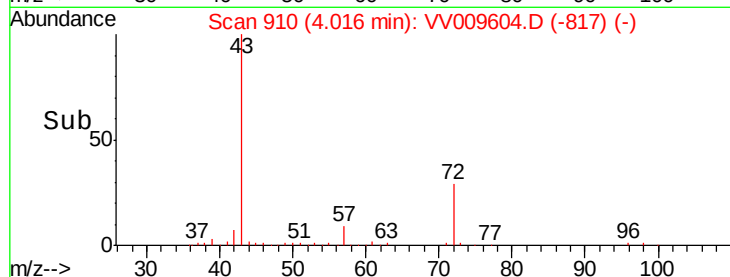
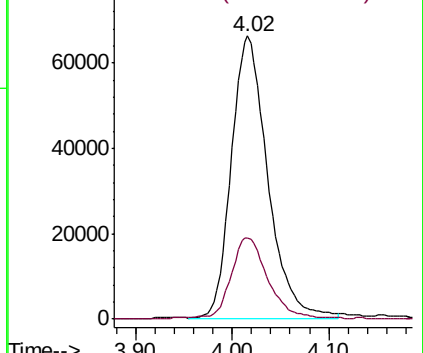
43 100

72 28.2 14.8 44.3



Abundance Ion 43.00 (42.70 to 43.70): VV009604.D (-817) (-)

Ion 72.00 (71.70 to 72.70): VV009604.D (-817) (-)



#23

Bromochloromethane

Concen: 98.051 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

Tgt Ion: 128 Resp: 59139

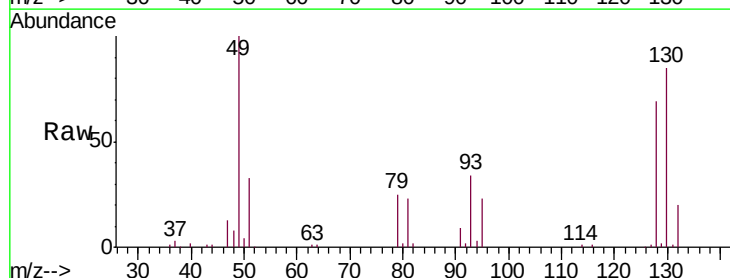
Ion Ratio Lower Upper

128 100

49 143.9 106.0 196.9

130 122.9 89.2 165.8

51 48.1 37.0 55.6

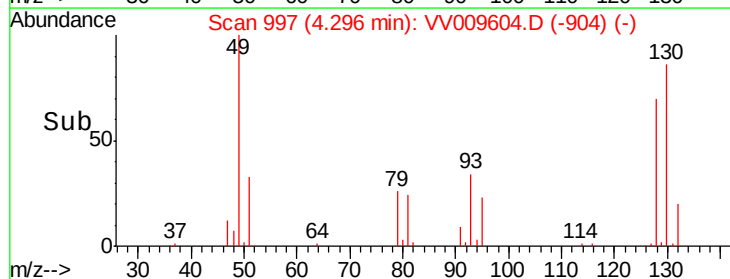
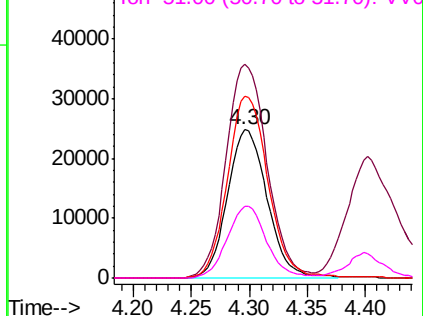


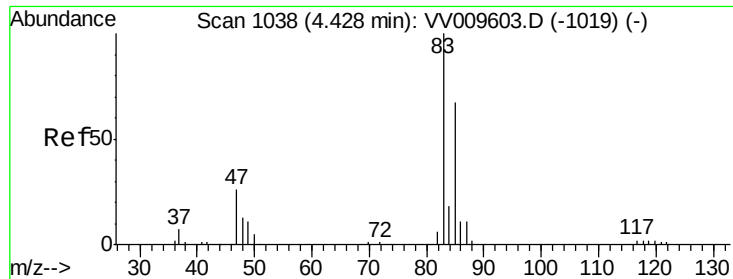
Abundance Ion 128.00 (127.70 to 128.70): VV009604.D (-904) (-)

Ion 49.00 (48.70 to 49.70): VV009604.D (-904) (-)

Ion 130.00 (129.70 to 130.70): VV009604.D (-904) (-)

Ion 51.00 (50.70 to 51.70): VV009604.D (-904) (-)

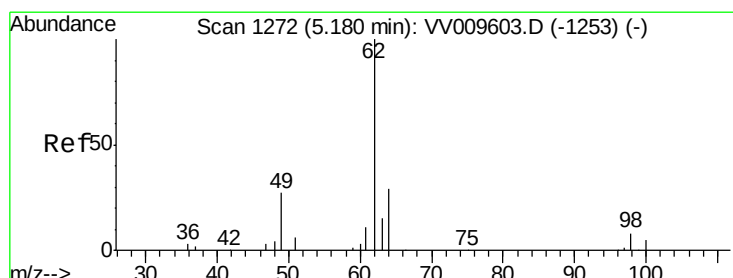
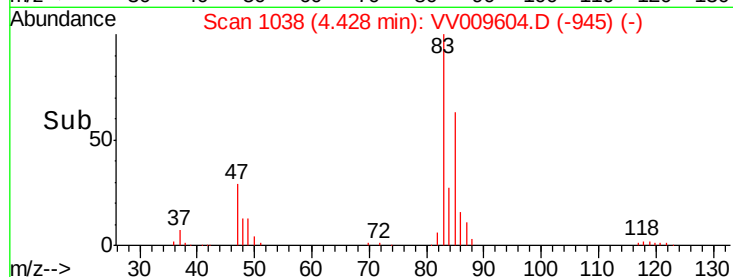
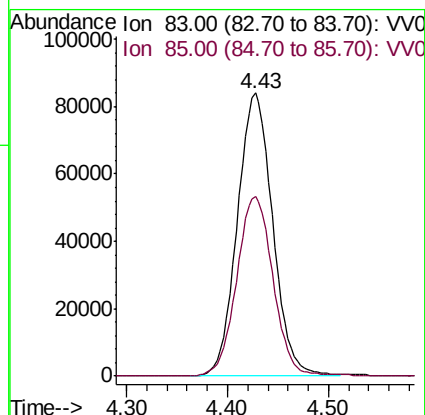
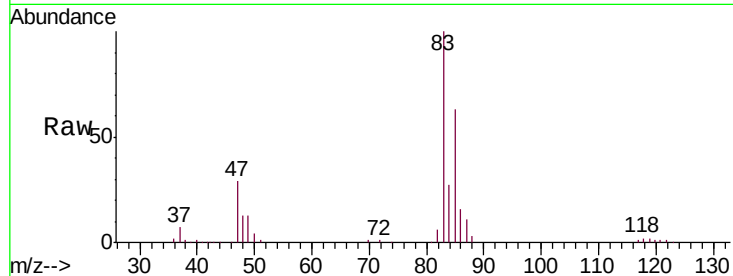




#25
Chloroform
Concen: 95.911 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009604.D
Acq: 12 Mar 2019 11:53

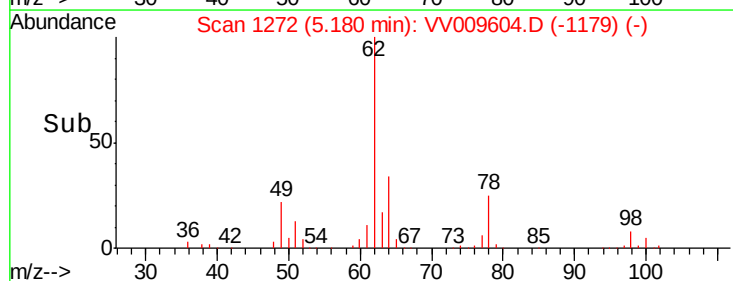
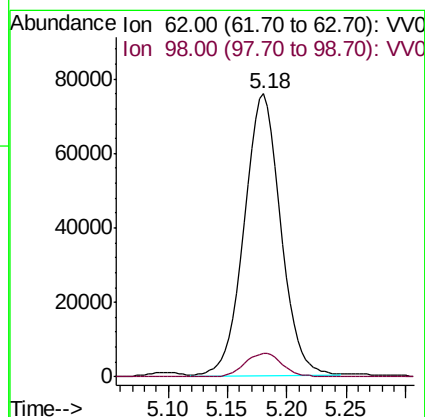
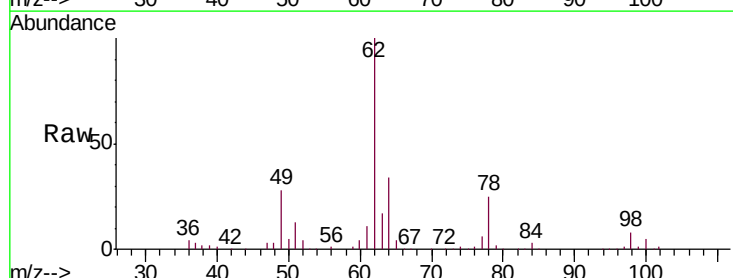
Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

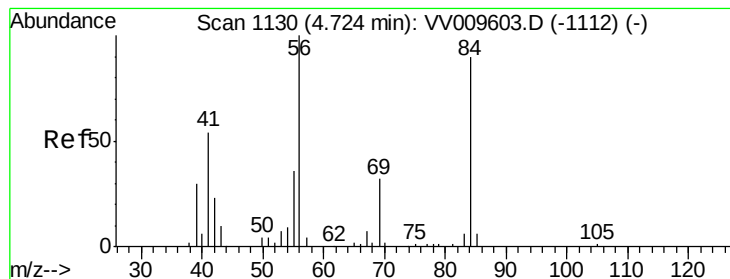
Tgt Ion: 83 Resp: 204284
Ion Ratio Lower Upper
83 100
85 63.3 47.0 87.4



#27
1,2-Dichloroethane
Concen: 96.441 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV009604.D
Acq: 12 Mar 2019 11:53

Tgt Ion: 62 Resp: 160944
Ion Ratio Lower Upper
62 100
98 8.3 6.2 9.4





#29

Cyclohexane

Concen: 95.426 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

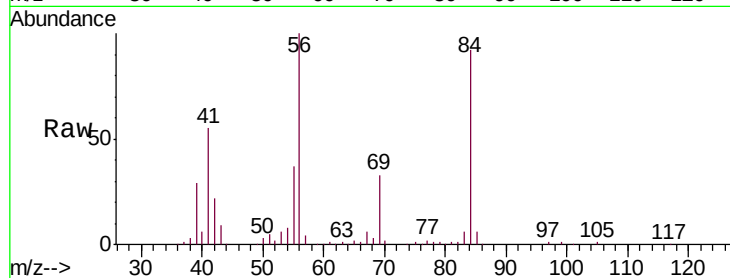
Tgt Ion: 56 Resp: 166608

Ion Ratio Lower Upper

56 100

69 32.0 25.1 37.7

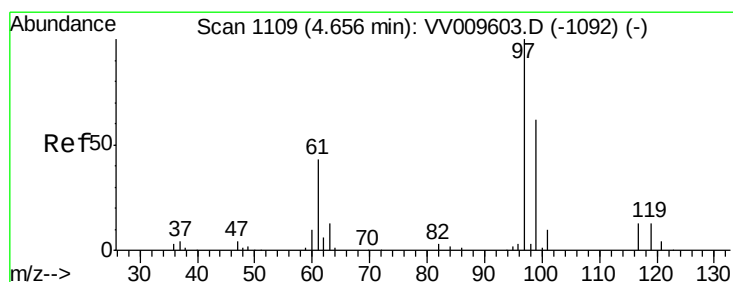
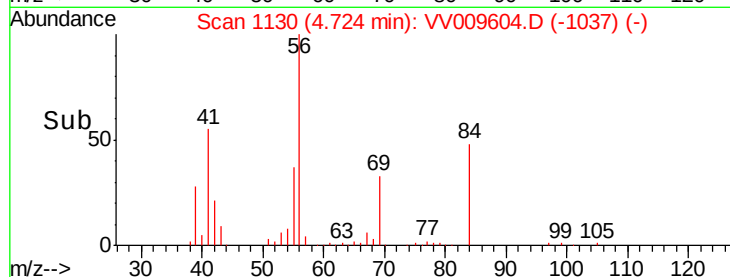
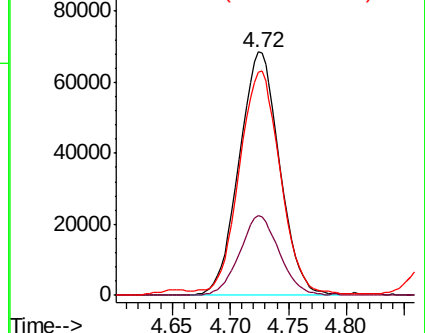
84 93.4 73.4 110.0



Abundance Ion 56.00 (55.70 to 56.70): VV009604.D (-1037) (-)

Ion 69.00 (68.70 to 69.70): VV009604.D (-1037) (-)

Ion 84.00 (83.70 to 84.70): VV009604.D (-1037) (-)



#30

1,1,1-Trichloroethane

Concen: 96.933 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

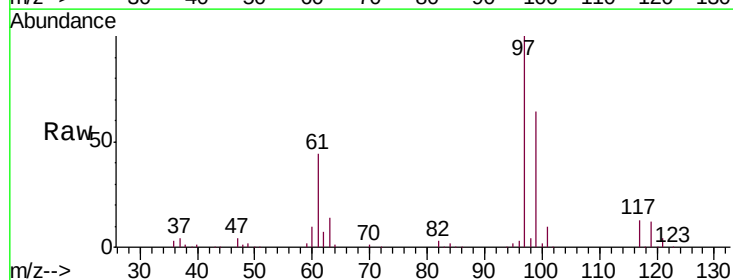
Tgt Ion: 97 Resp: 183787

Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.6

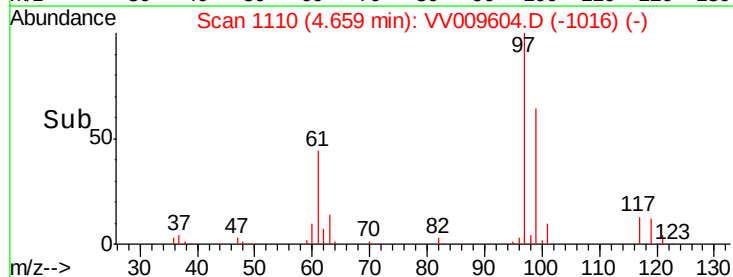
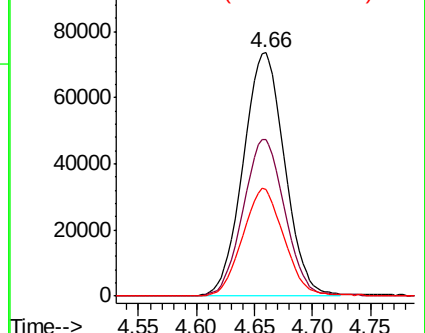
61 44.0 33.9 50.9

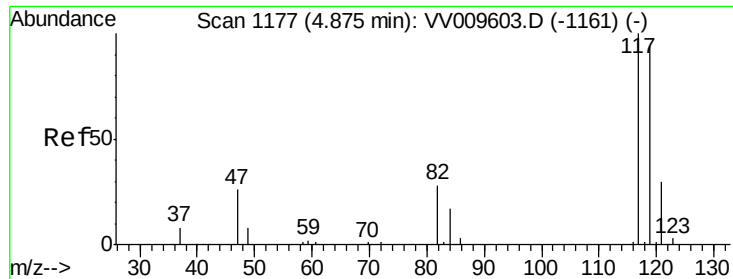


Abundance Ion 97.00 (96.70 to 97.70): VV009604.D (-1016) (-)

Ion 99.00 (98.70 to 99.70): VV009604.D (-1016) (-)

Ion 61.05 (60.75 to 61.75): VV009604.D (-1016) (-)





#31

Carbon tetrachloride

Concen: 100.660 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

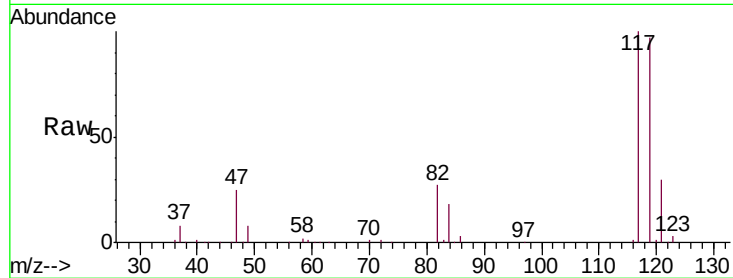
VSTD10064

Tgt Ion:117 Resp: 159269

Ion Ratio Lower Upper

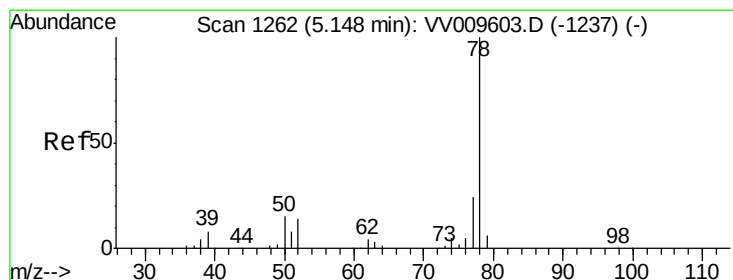
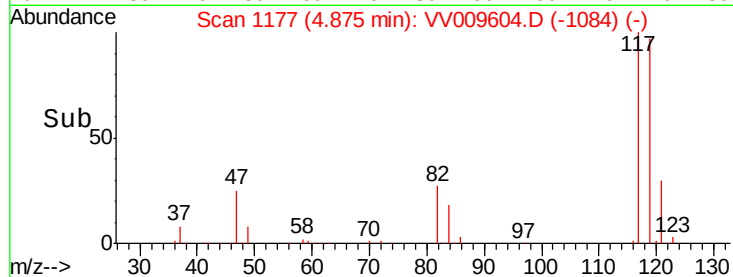
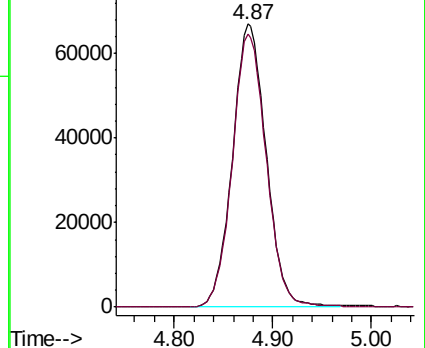
117 100

119 96.7 75.1 112.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 96.621 ug/L

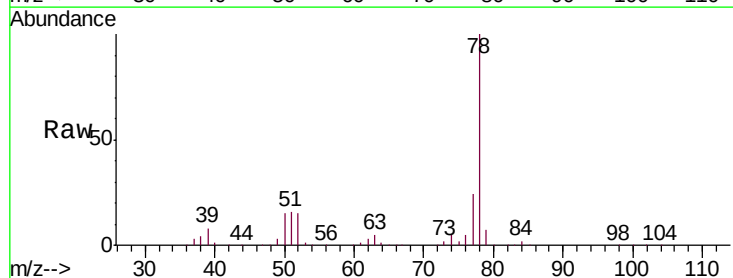
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

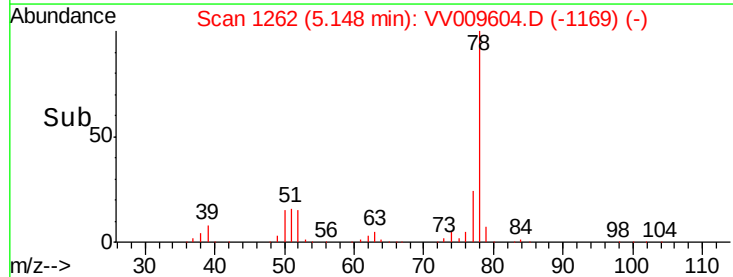
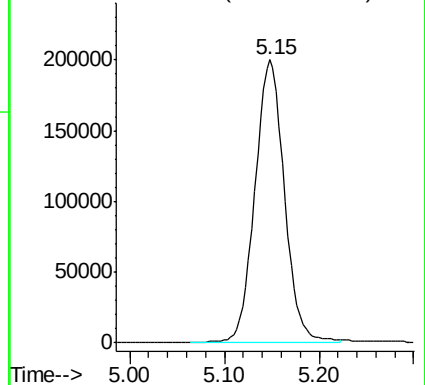
Lab File: VV009604.D

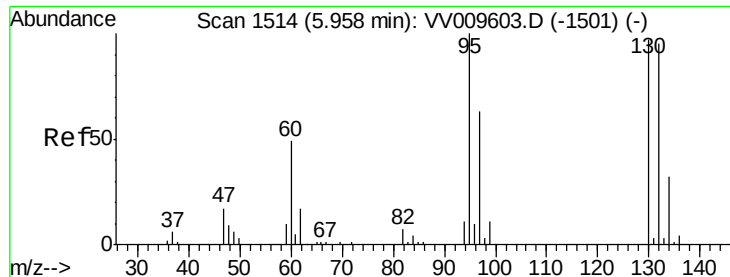
Acq: 12 Mar 2019 11:53

Tgt Ion: 78 Resp: 434939



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 95.565 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

Instrument :

MSVOA_V

ClientSampled :

VSTD10064

Tgt Ion: 95 Resp: 114817

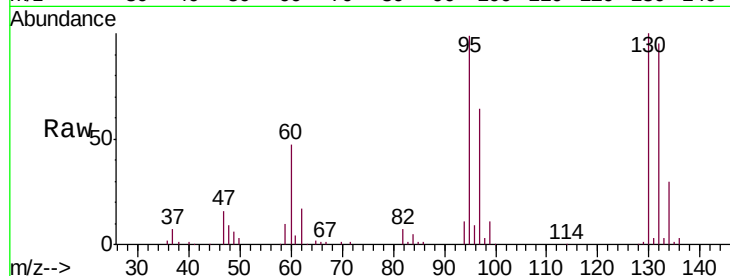
Ion Ratio Lower Upper

95 100

97 64.2 44.2 82.2

132 95.5 66.5 123.5

130 100.6 67.8 125.8

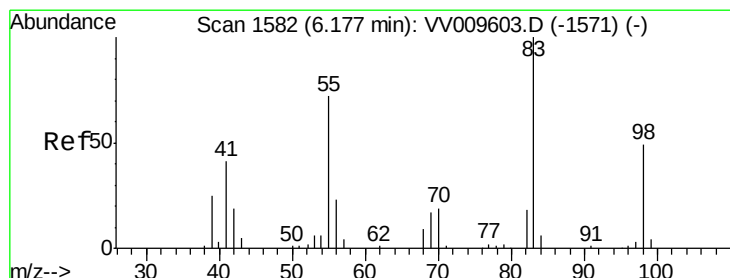
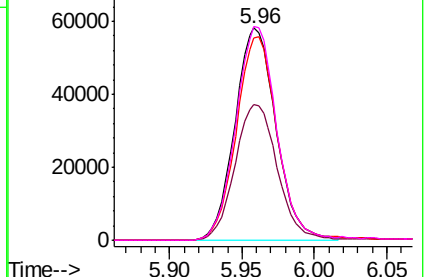
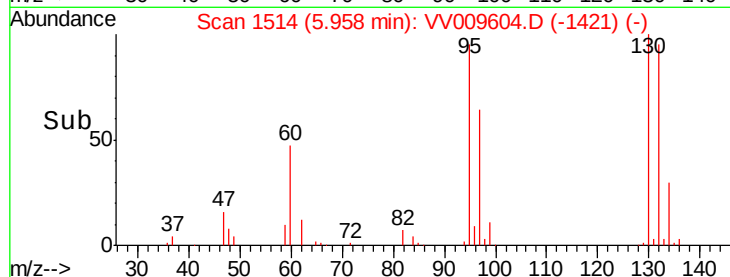


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 96.868 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

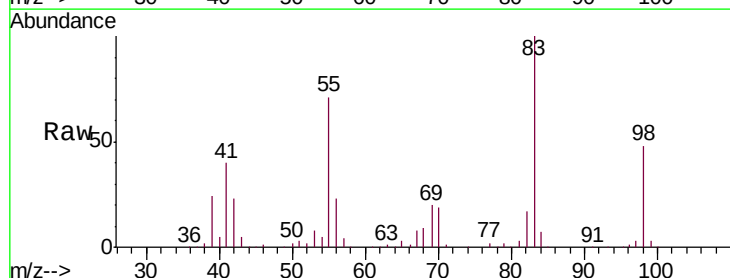
Tgt Ion: 83 Resp: 188271

Ion Ratio Lower Upper

83 100

55 70.3 57.9 86.9

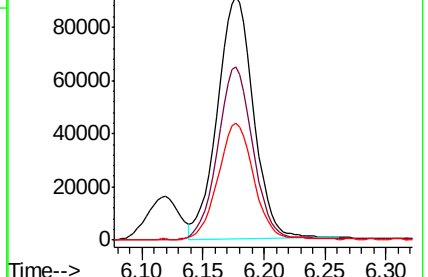
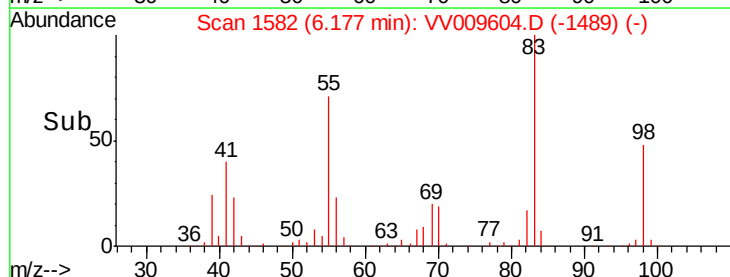
98 48.2 39.2 58.8

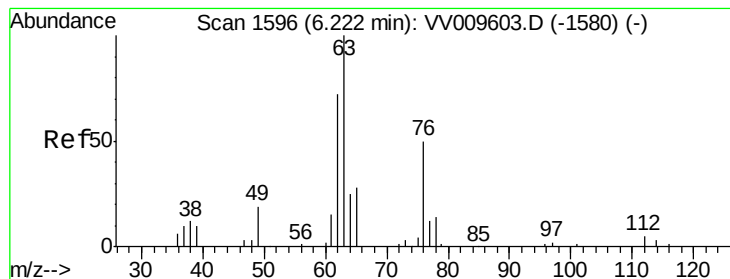


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 96.630 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

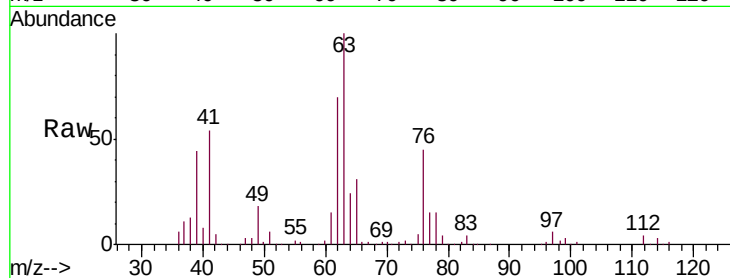
VSTD10064

Tgt Ion: 63 Resp: 110869

Ion Ratio Lower Upper

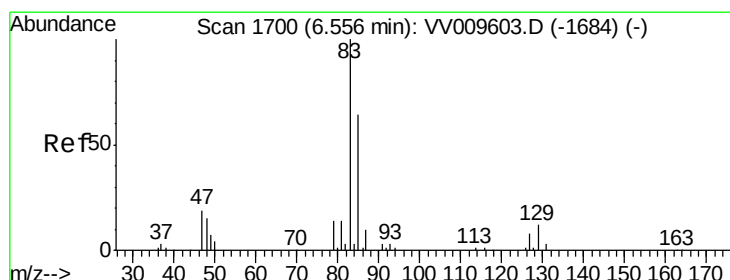
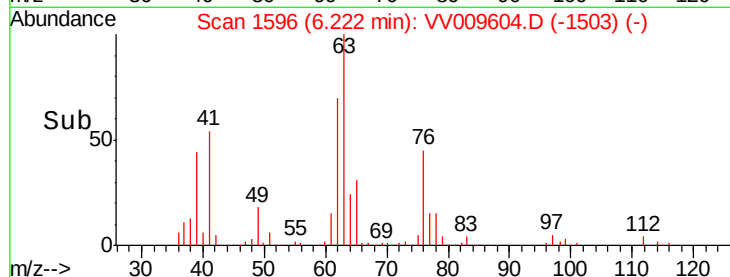
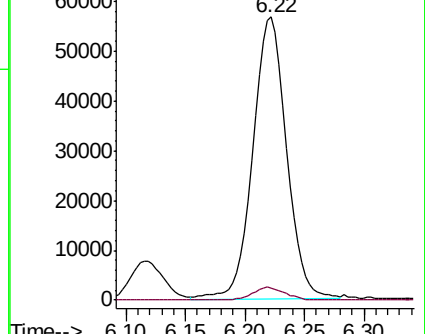
63 100

112 4.4 3.4 5.0



Abundance Ion 63.00 (62.70 to 63.70): VV009604.D (-1503) (-)

Ion 112.00 (111.70 to 112.70): VV009604.D (-1503) (-)



#38

Bromodichloromethane

Concen: 97.932 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

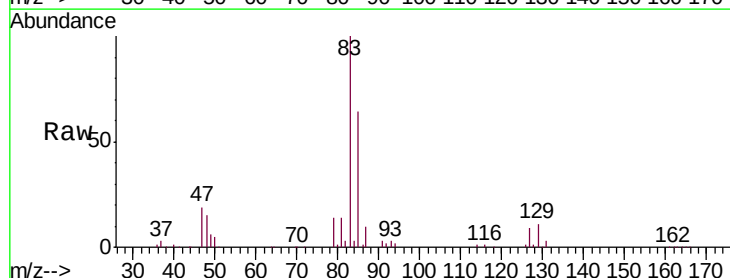
Tgt Ion: 83 Resp: 158451

Ion Ratio Lower Upper

83 100

85 64.4 45.0 83.6

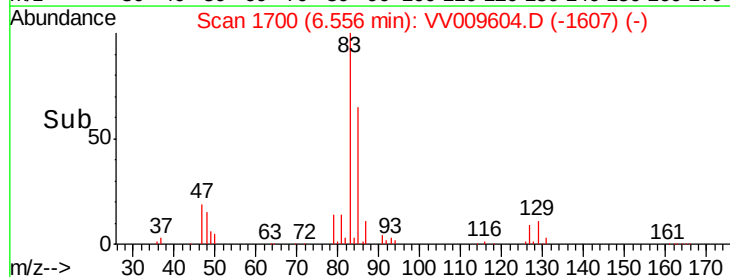
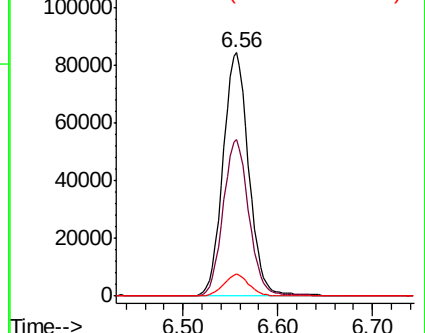
127 9.2 6.6 10.0

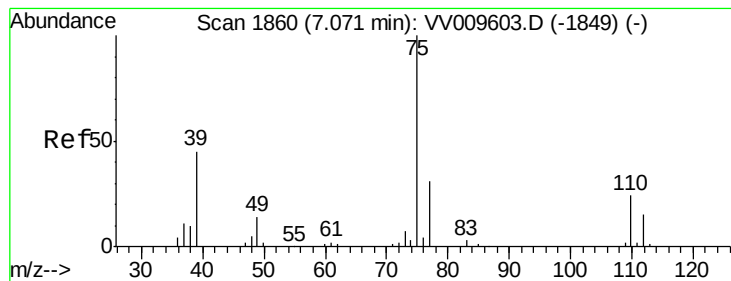


Abundance Ion 83.00 (82.70 to 83.70): VV009604.D (-1607) (-)

Ion 85.00 (84.70 to 85.70): VV009604.D (-1607) (-)

Ion 127.00 (126.70 to 127.70): VV009604.D (-1607) (-)



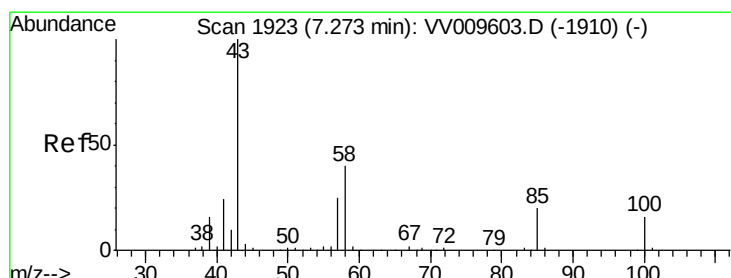
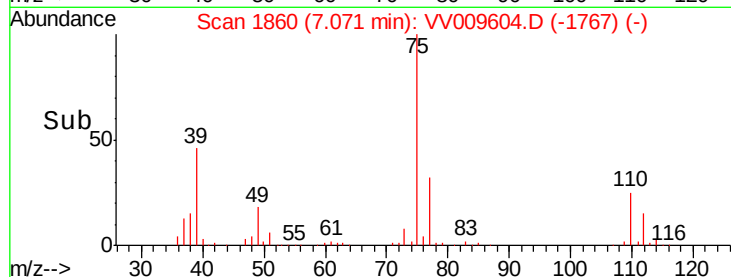
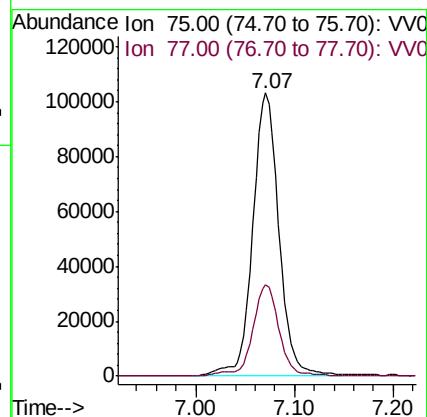
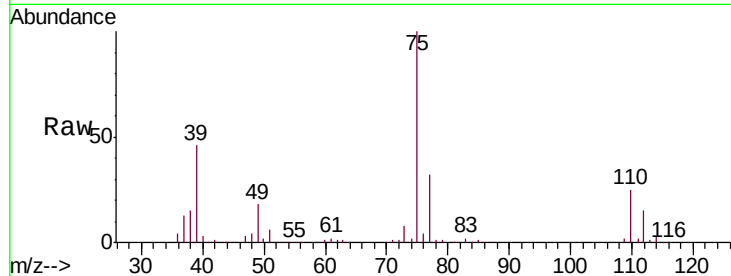


#39

cis-1,3-Dichloropropene
Concen: 103.504 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV009604.D
Acq: 12 Mar 2019 11:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

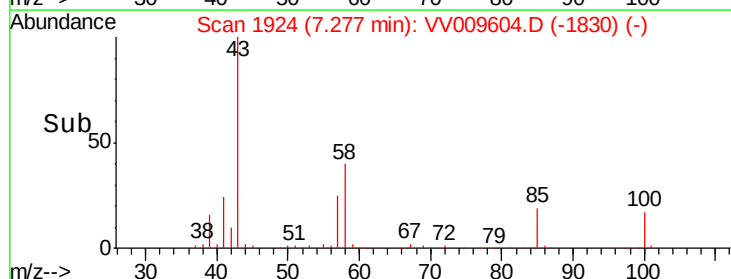
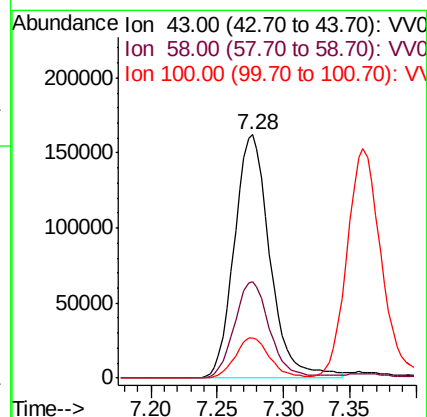
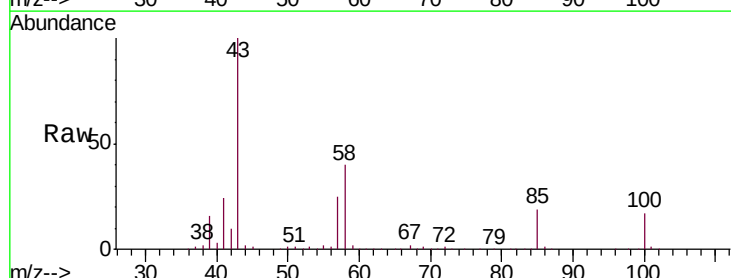
Tgt Ion: 75 Resp: 189283
Ion Ratio Lower Upper
75 100
77 32.4 22.3 41.5

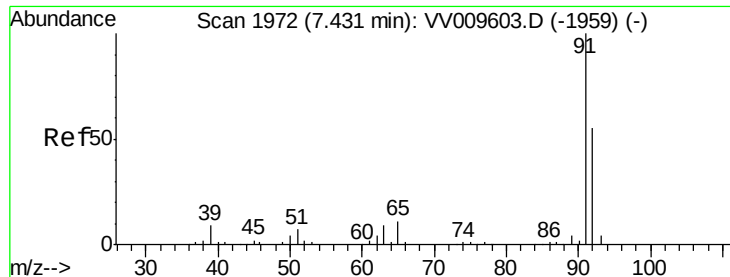


#40

4-Methyl-2-pentanone
Concen: 196.889 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV009604.D
Acq: 12 Mar 2019 11:53

Tgt Ion: 43 Resp: 303630
Ion Ratio Lower Upper
43 100
58 39.6 32.1 48.1
100 16.1 12.9 19.3





#42

Toluene

Concen: 97.303 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

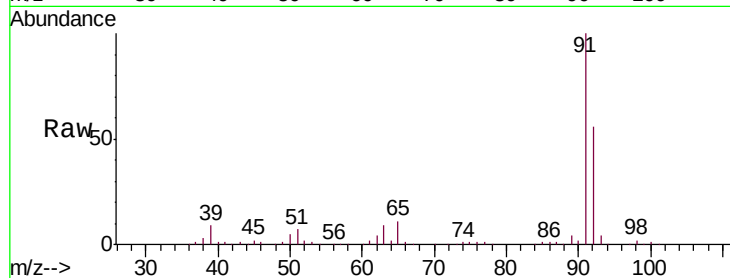
VSTD10064

Tgt Ion: 91 Resp: 499232

Ion Ratio Lower Upper

91 100

92 56.3 38.6 71.6

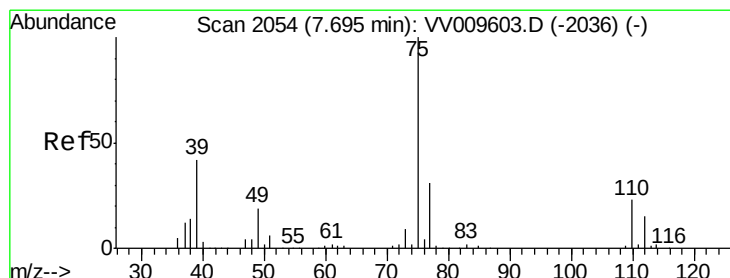
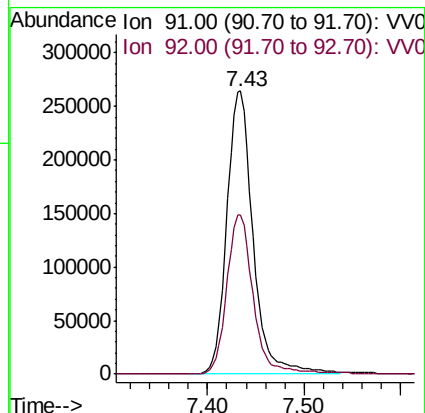
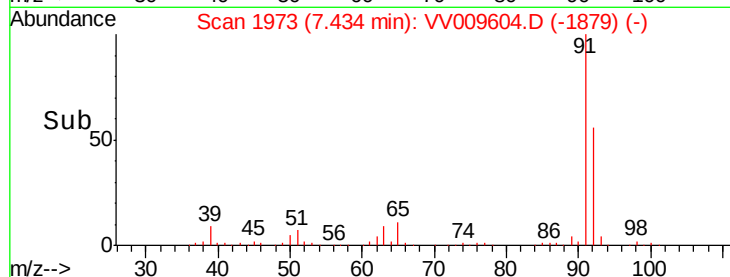


Abundance Ion 91.00 (90.70 to 91.70): VV009603.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV009603.D (-1959) (-)

7.43

Time-->



#44

trans-1,3-Dichloropropene

Concen: 104.881 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009604.D

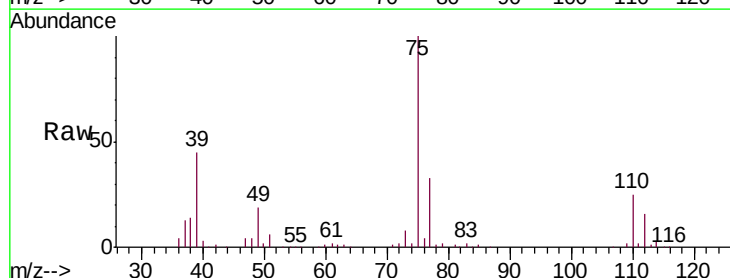
Acq: 12 Mar 2019 11:53

Tgt Ion: 75 Resp: 180096

Ion Ratio Lower Upper

75 100

77 32.7 21.6 40.2

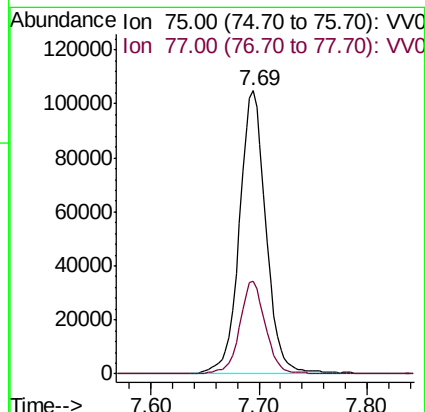
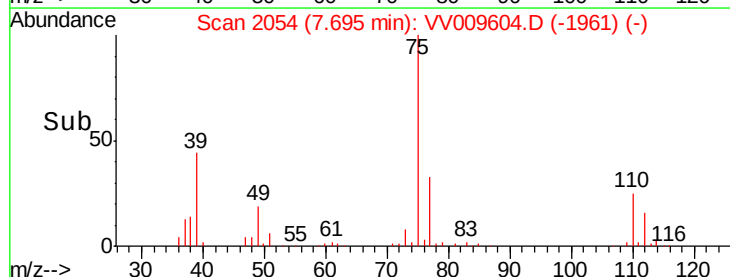


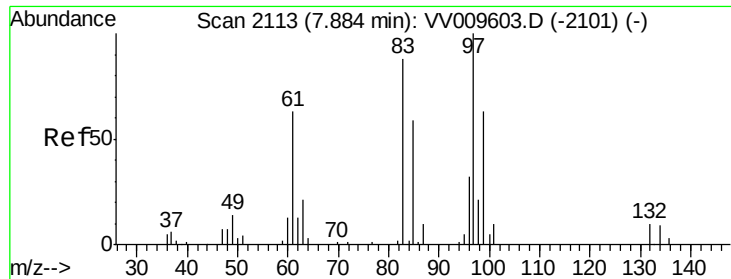
Abundance Ion 75.00 (74.70 to 75.70): VV009603.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV009603.D (-2036) (-)

7.69

Time-->

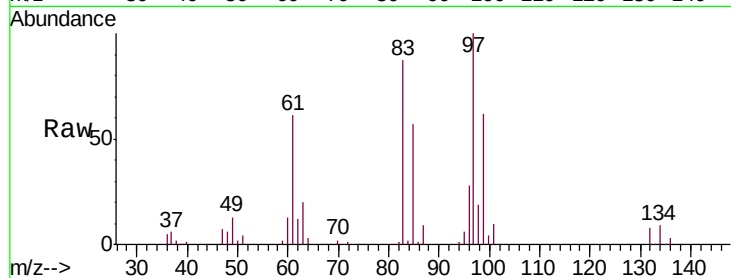




#45
 1,1,2-Trichloroethane
 Concen: 98.442 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009604.D
 Acq: 12 Mar 2019 11:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

Tgt Ion:	97	Resp:	116498
Ion	Ratio	Lower	Upper
97	100		
99	61.5	44.0	81.8
83	86.6	61.5	114.3
85	56.7	41.0	76.2



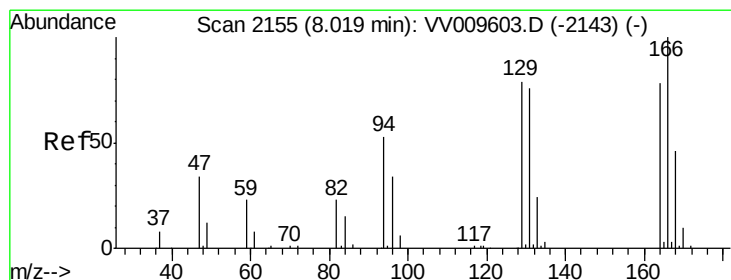
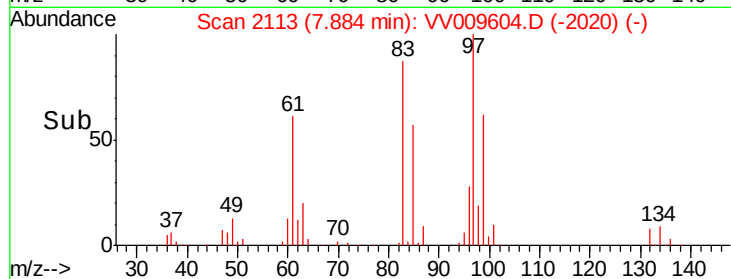
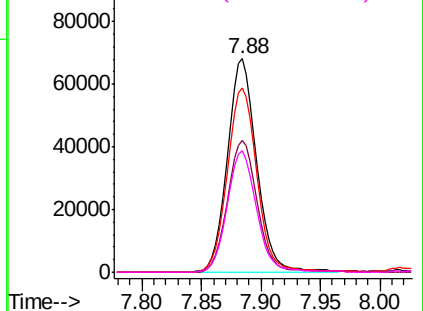
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

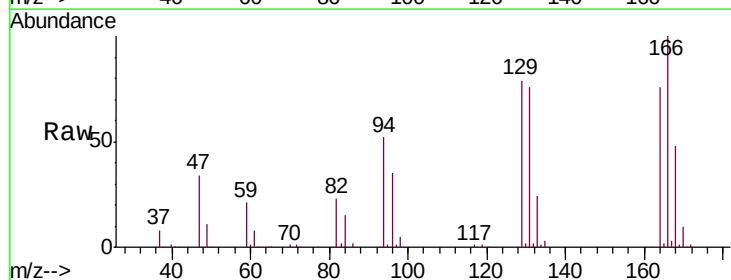
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 96.298 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV009604.D
 Acq: 12 Mar 2019 11:53

Tgt Ion:	164	Resp:	90960
Ion	Ratio	Lower	Upper
164	100		
129	103.7	70.8	131.6
131	99.2	68.3	126.9
166	131.3	89.5	166.3



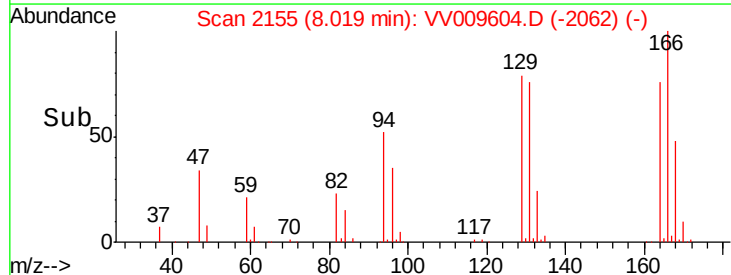
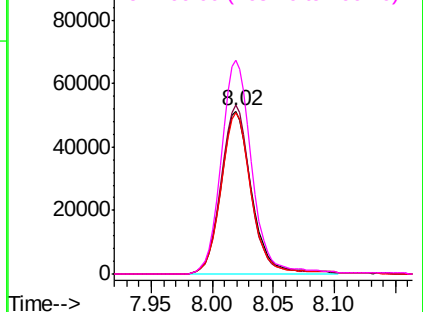
Abundance

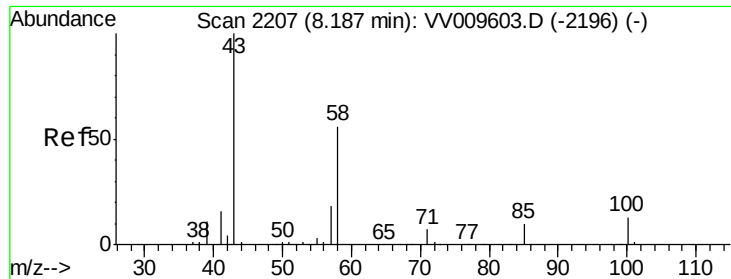
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

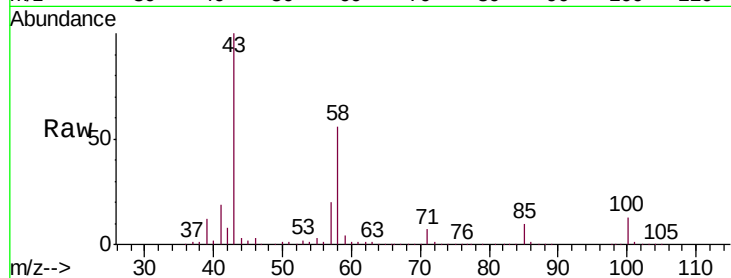




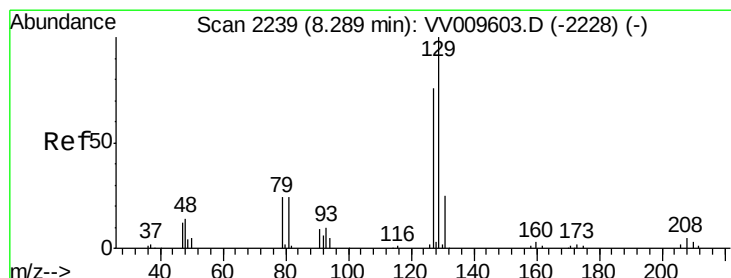
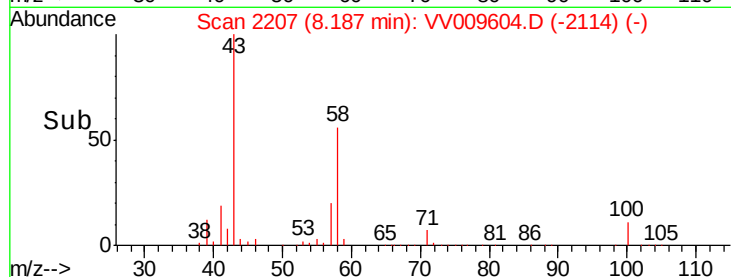
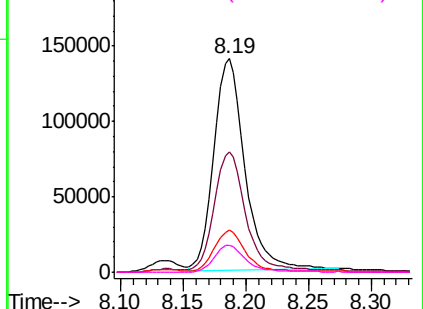
#48
2-Hexanone
Concen: 197.933 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV009604.D
Acq: 12 Mar 2019 11:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

Tgt Ion: 43 Resp: 243229
Ion Ratio Lower Upper
43 100
58 58.2 45.8 68.8
57 19.5 14.5 21.7
100 13.3 9.8 14.8

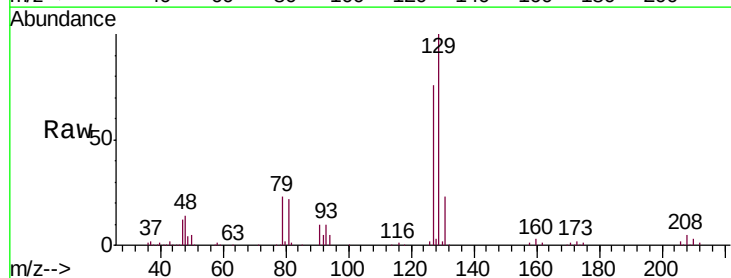


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

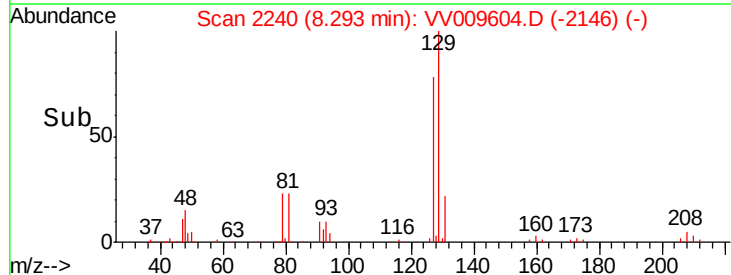
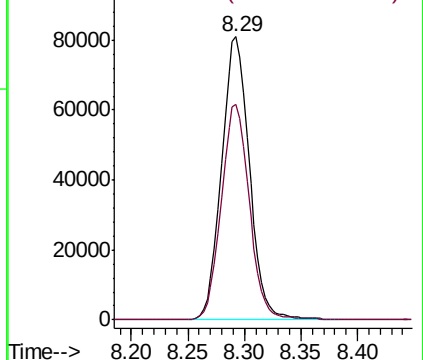


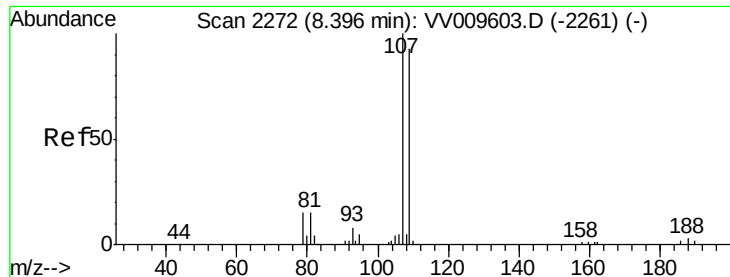
#49
Dibromochloromethane
Concen: 105.867 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV009604.D
Acq: 12 Mar 2019 11:53

Tgt Ion: 129 Resp: 139437
Ion Ratio Lower Upper
129 100
127 76.3 53.3 99.1



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

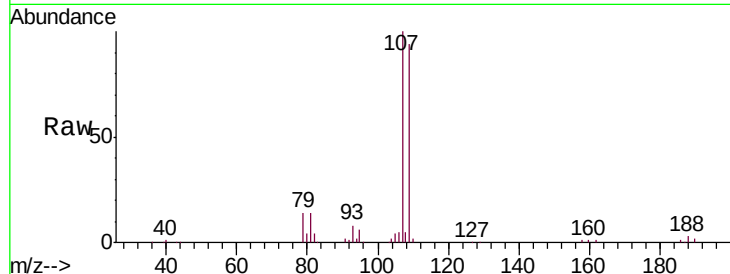




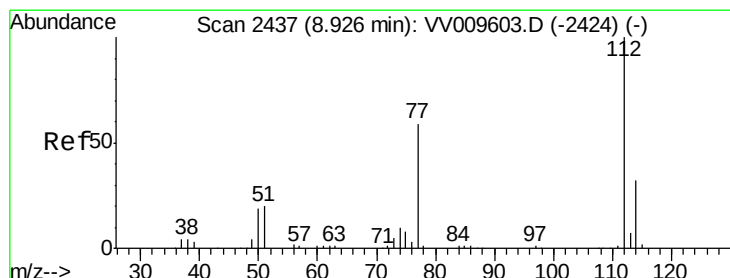
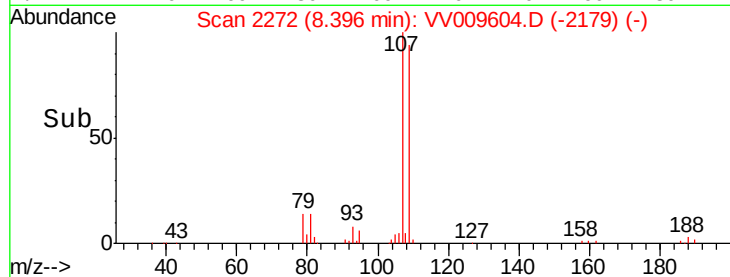
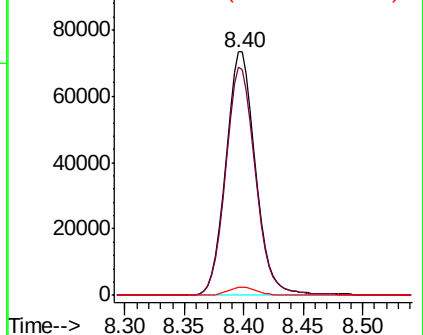
#50
1,2-Dibromoethane
Concen: 101.056 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV009604.D
Acq: 12 Mar 2019 11:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

Tgt Ion:107 Resp: 126678
Ion Ratio Lower Upper
107 100
109 93.7 65.2 121.2
188 3.3 2.6 4.0

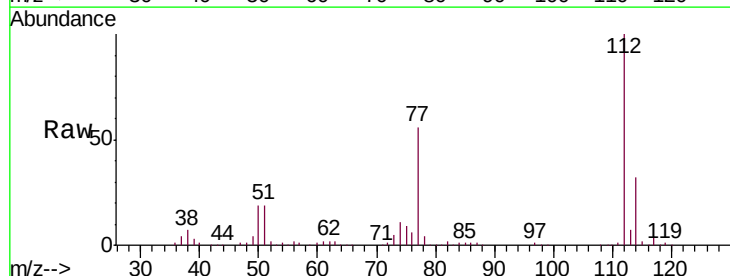


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

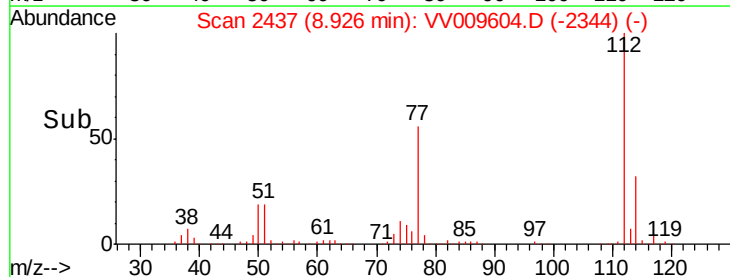
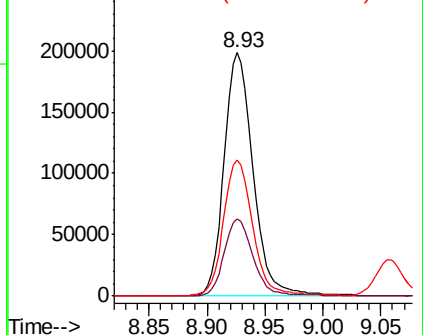


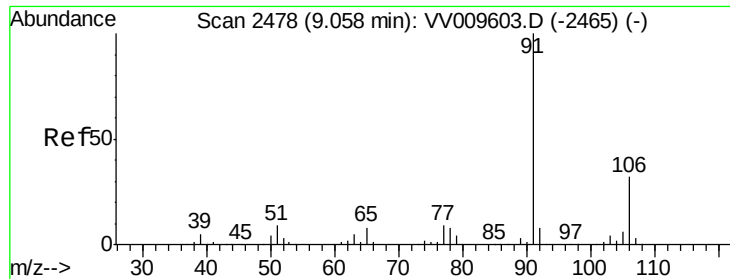
#51
Chlorobenzene
Concen: 99.679 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009604.D
Acq: 12 Mar 2019 11:53

Tgt Ion:112 Resp: 343330
Ion Ratio Lower Upper
112 100
114 31.6 22.2 41.2
77 56.2 47.4 71.2



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: 99.969 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

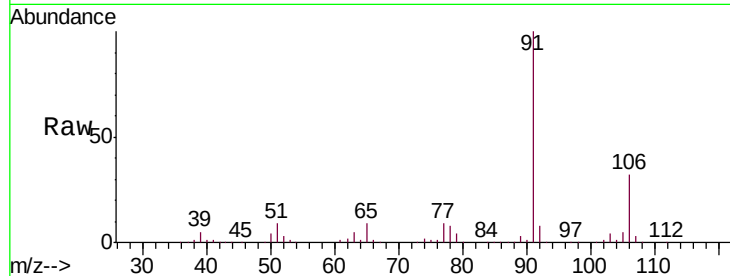
VSTD10064

Tgt Ion: 91 Resp: 581058

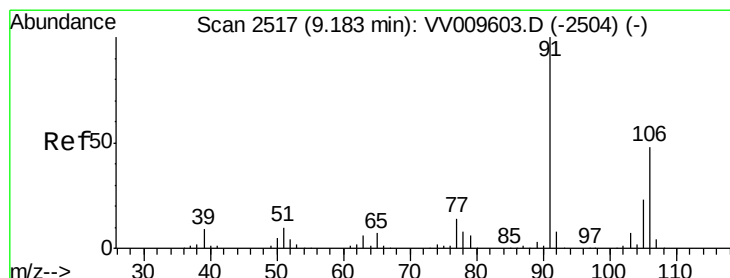
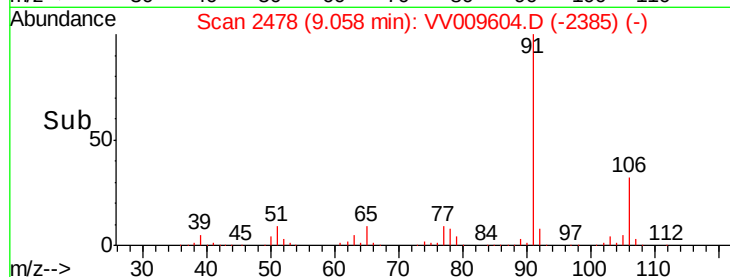
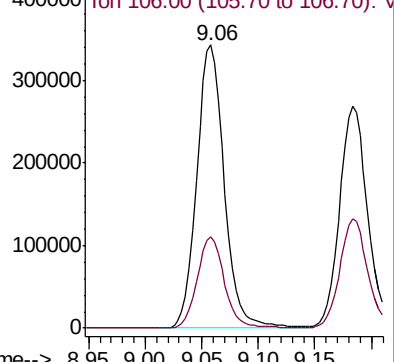
Ion Ratio Lower Upper

91 100

106 32.1 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VV009604.D (-2385) (-)



#53

m,p-Xylene

Concen: 102.617 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009604.D

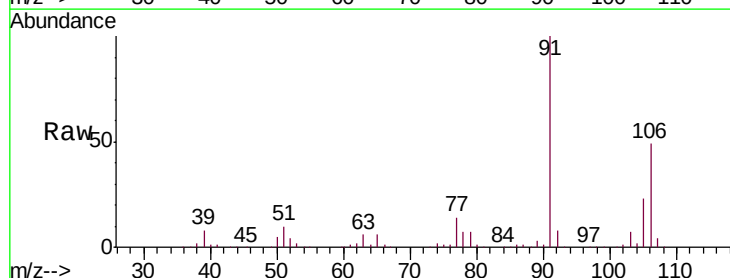
Acq: 12 Mar 2019 11:53

Tgt Ion: 106 Resp: 228500

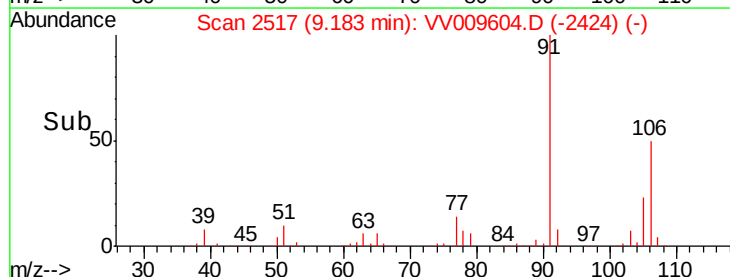
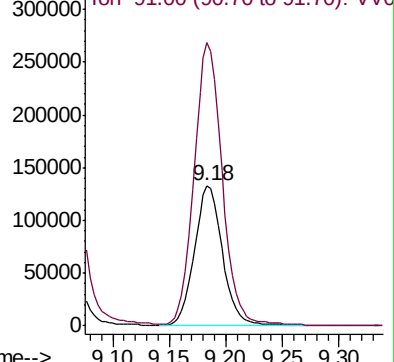
Ion Ratio Lower Upper

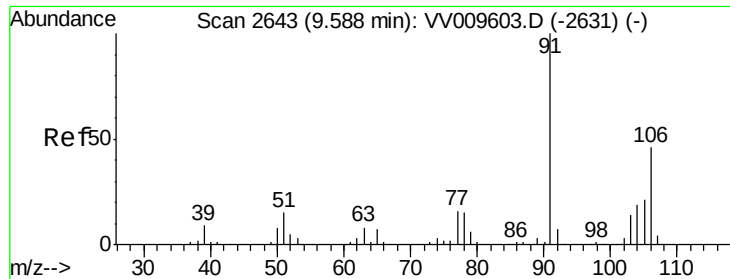
106 100

91 202.1 146.8 272.6



Abundance Ion 106.00 (105.70 to 106.70): VV009604.D (-2424) (-)

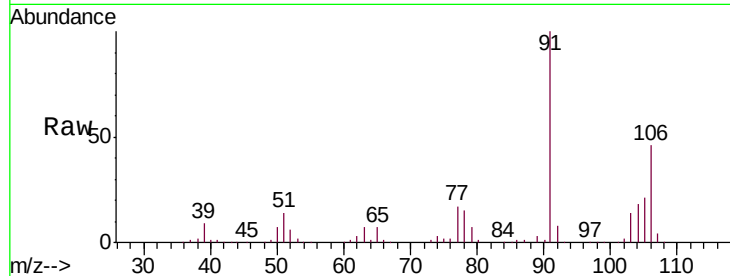




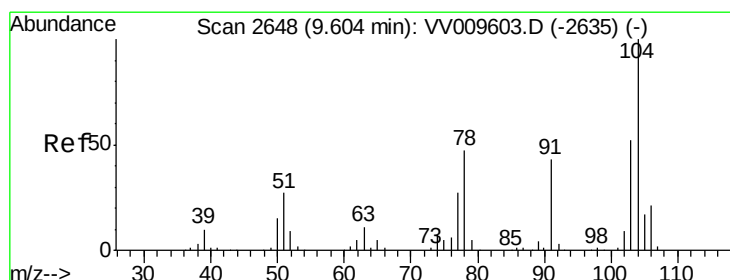
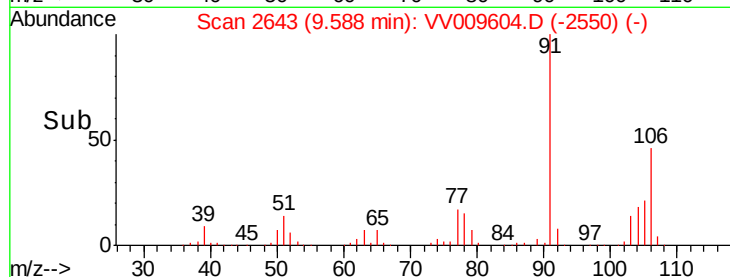
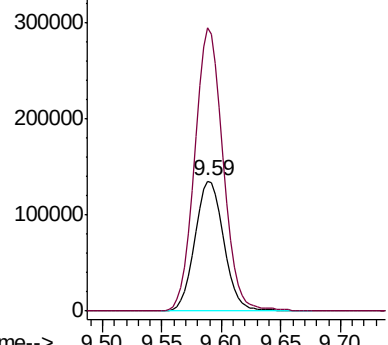
#54
o-Xylene
Concen: 101.495 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009604.D
Acq: 12 Mar 2019 11:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

Tgt Ion:106 Resp: 228123
Ion Ratio Lower Upper
106 100
91 217.8 151.8 282.0

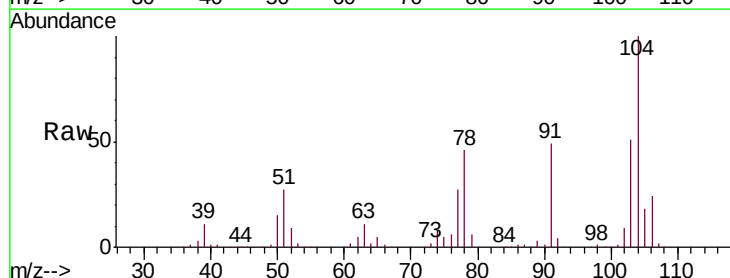


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

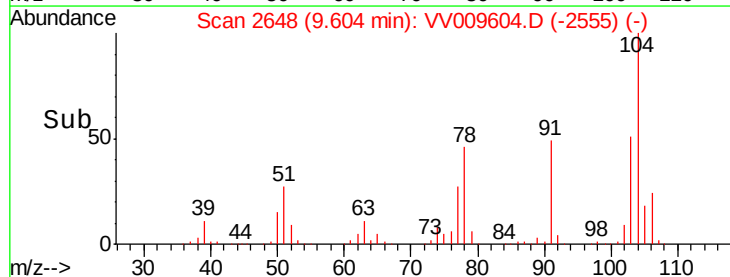
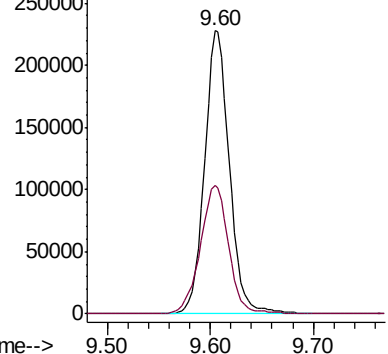


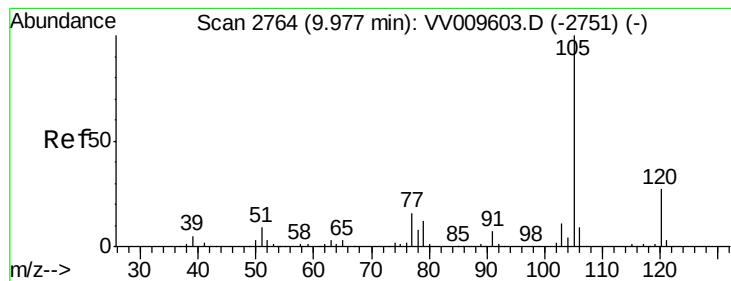
#55
Styrene
Concen: 105.126 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009604.D
Acq: 12 Mar 2019 11:53

Tgt Ion:104 Resp: 382830
Ion Ratio Lower Upper
104 100
78 45.6 33.2 61.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 102.022 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

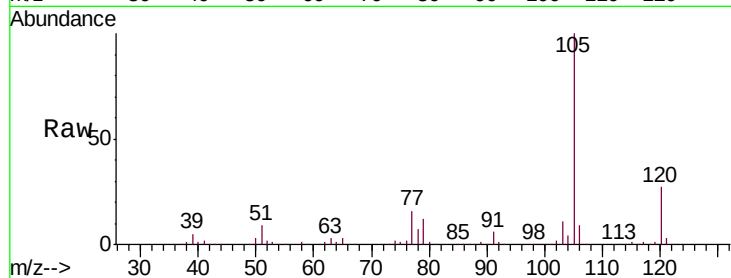
Tgt Ion: 105 Resp: 597055

Ion Ratio Lower Upper

105 100

120 27.0 21.6 32.4

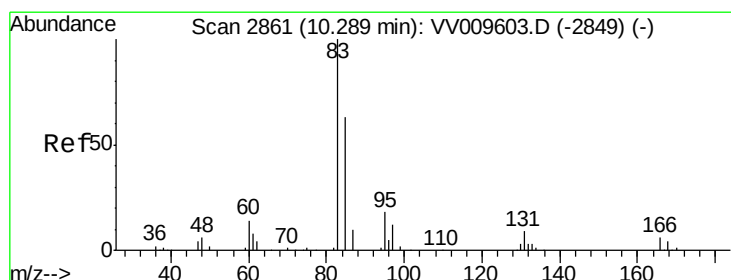
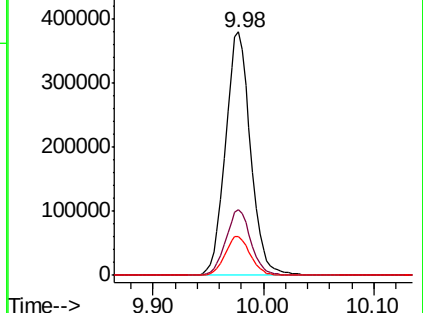
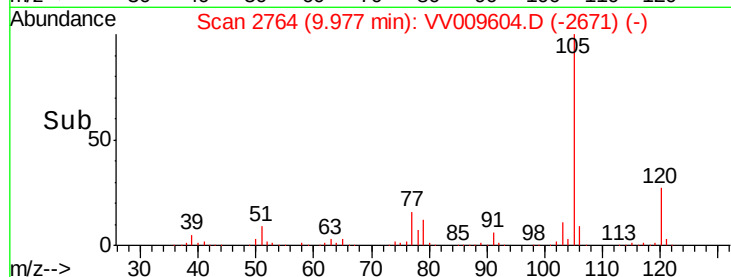
77 16.0 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 99.766 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

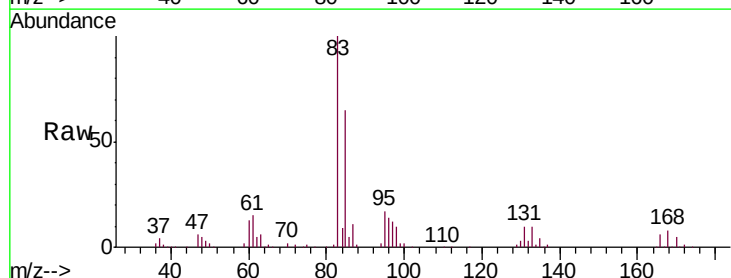
Tgt Ion: 83 Resp: 208727

Ion Ratio Lower Upper

83 100

85 65.3 44.9 83.5

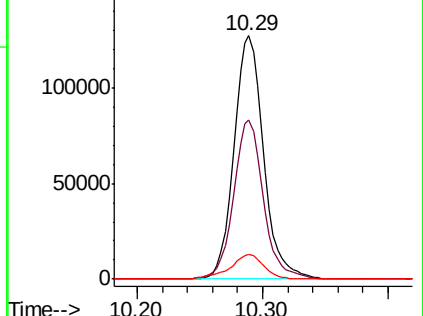
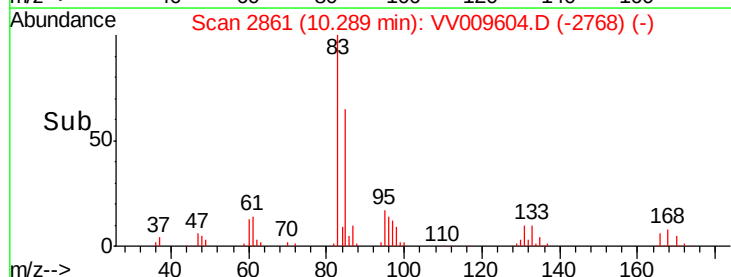
131 9.9 8.2 12.4

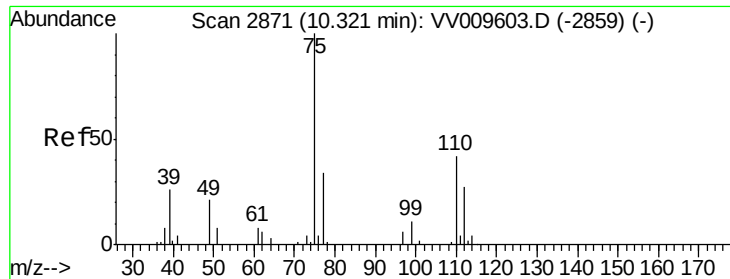


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

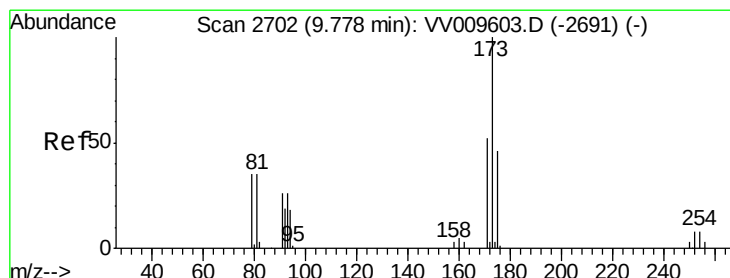
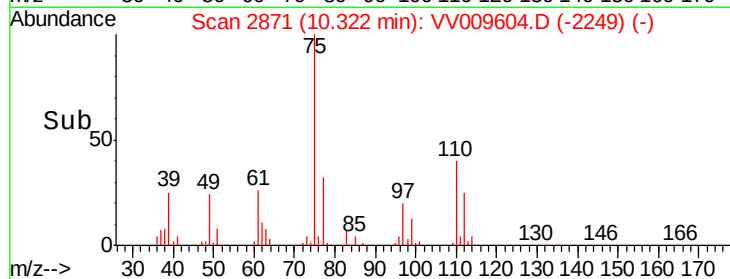
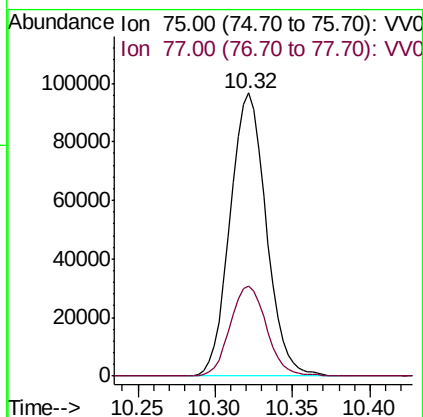
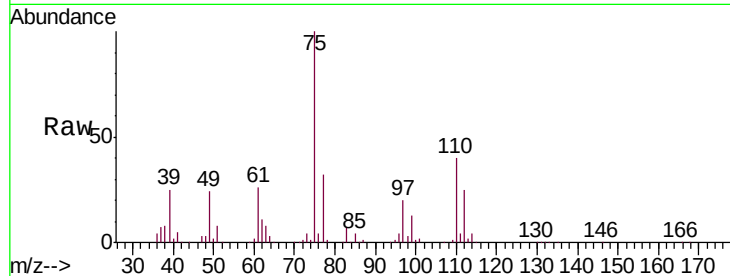




#59
 1,2,3-Trichloropropane
 Concen: 100.794 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV009604.D
 Acq: 12 Mar 2019 11:53

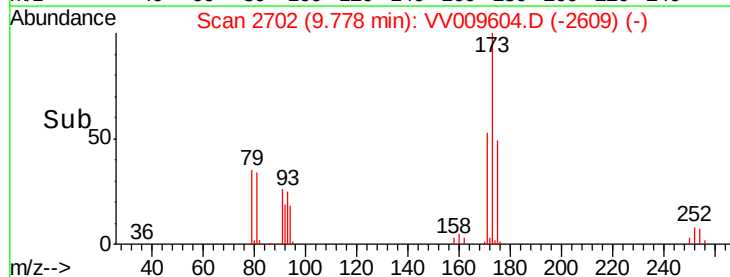
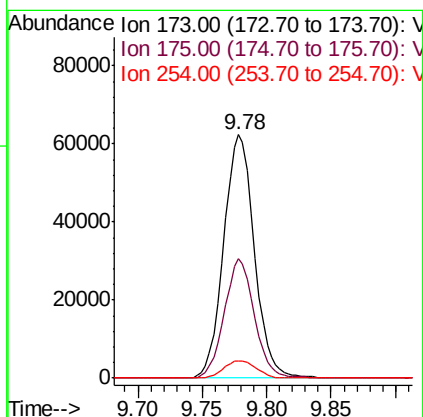
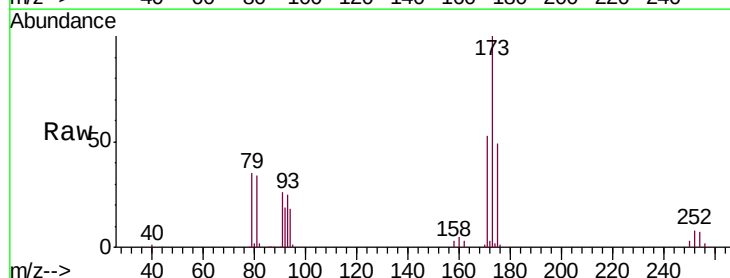
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

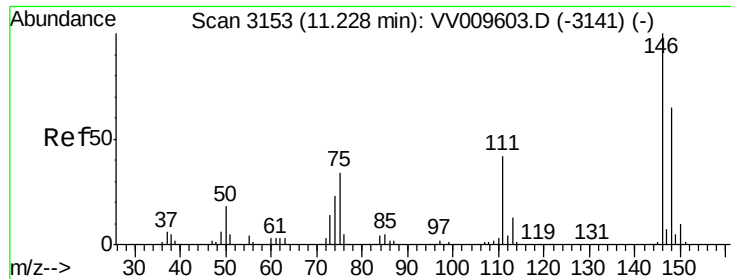
Tgt Ion: 75 Resp: 156805
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.6 40.0



#61
 Bromoform
 Concen: 101.274 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV009604.D
 Acq: 12 Mar 2019 11:53

Tgt Ion: 173 Resp: 102802
 Ion Ratio Lower Upper
 173 100
 175 48.0 37.0 55.6
 254 7.6 6.4 9.6

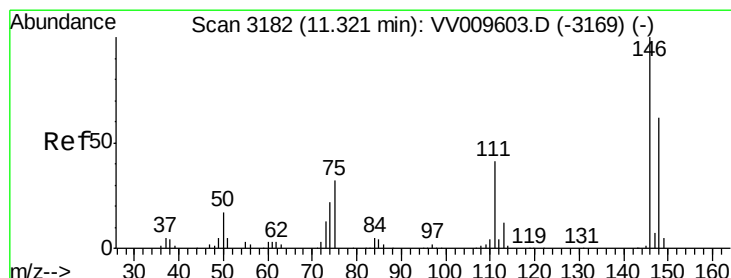
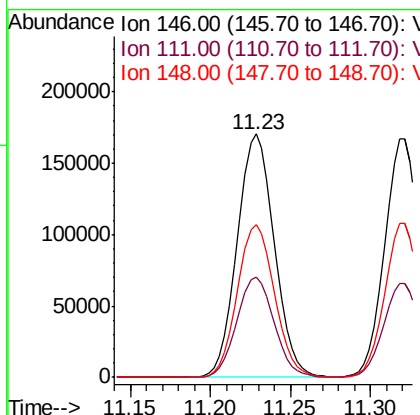
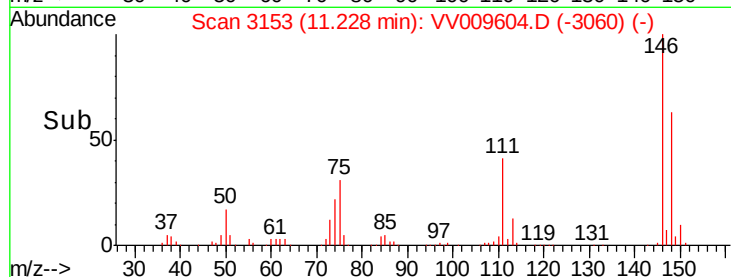
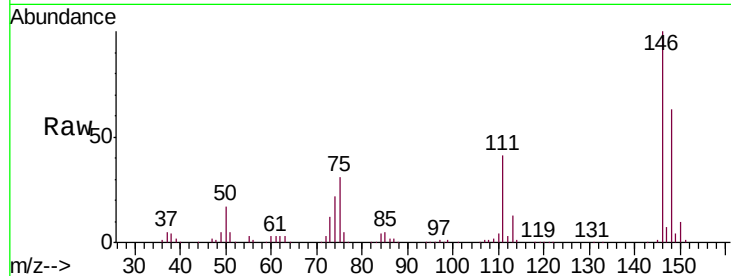




#62
 1,3-Dichlorobenzene
 Concen: 98.376 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009604.D
 Acq: 12 Mar 2019 11:53

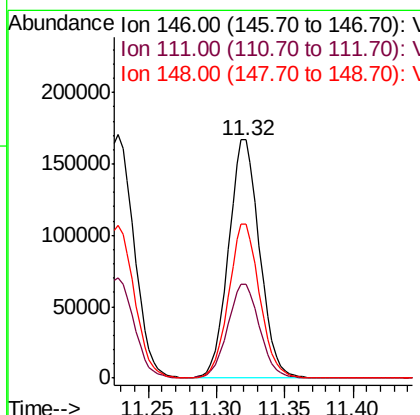
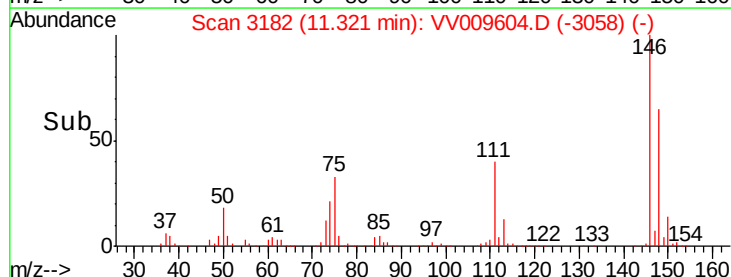
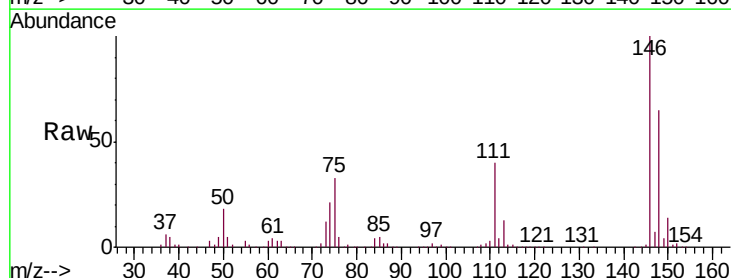
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

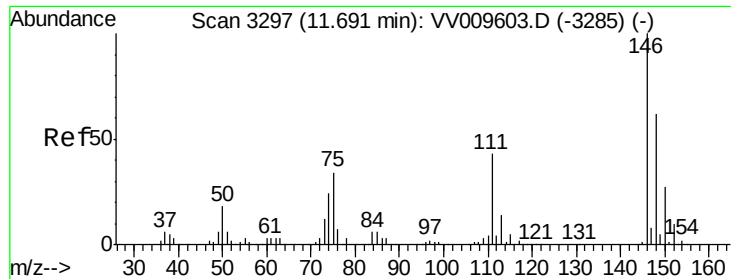
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	29.4	54.6
148	62.8	45.5	84.5



#63
 1,4-Dichlorobenzene
 Concen: 97.463 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009604.D
 Acq: 12 Mar 2019 11:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	28.6	53.2
148	64.7	43.2	80.2

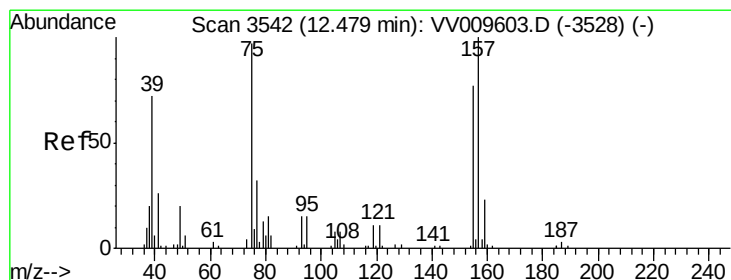
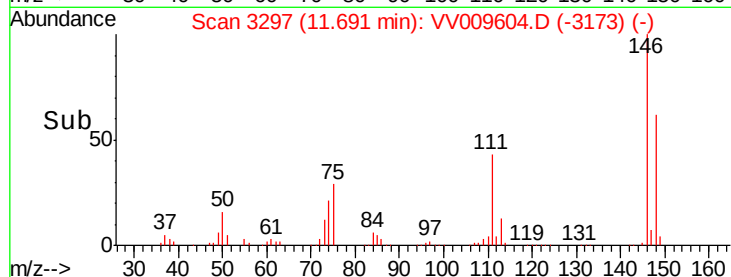
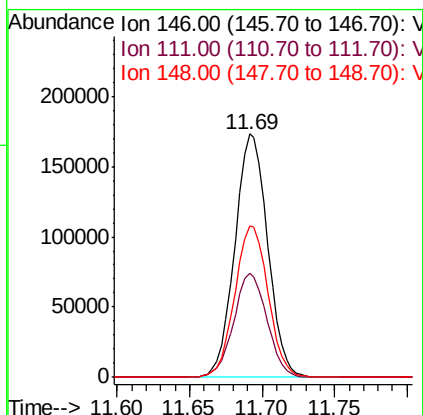
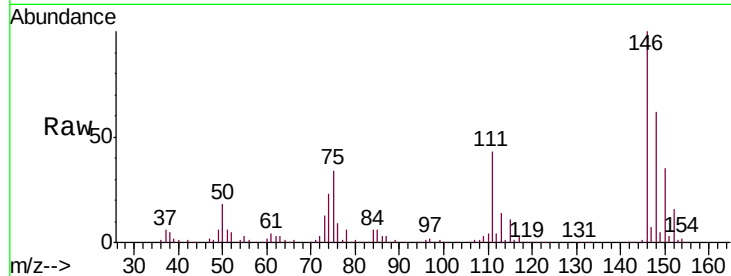




#65
 1,2-Dichlorobenzene
 Concen: 96.845 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009604.D
 Acq: 12 Mar 2019 11:53

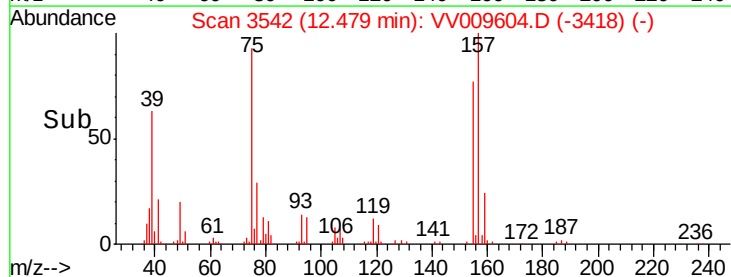
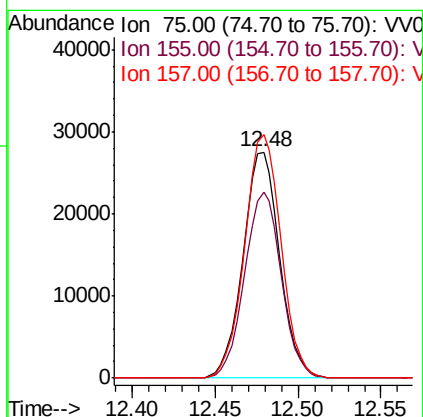
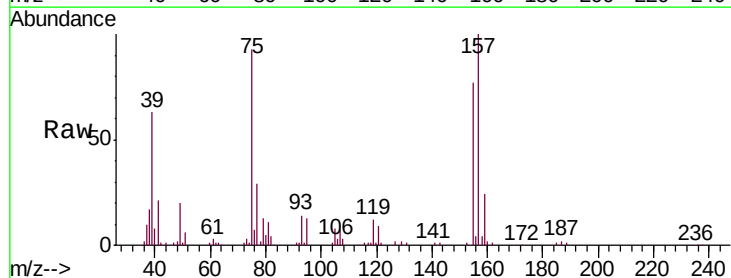
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

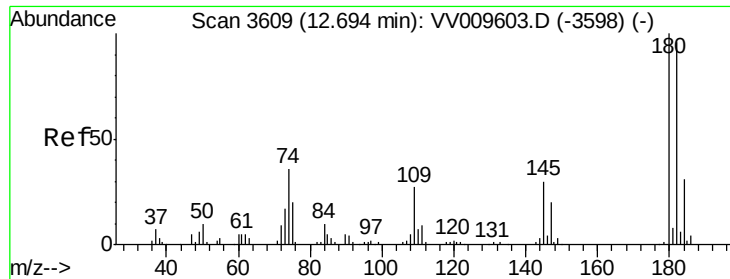
Tgt Ion: 146 Resp: 271580
 Ion Ratio Lower Upper
 146 100
 111 43.0 34.7 52.1
 148 62.1 49.6 74.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 99.748 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV009604.D
 Acq: 12 Mar 2019 11:53

Tgt Ion: 75 Resp: 42279
 Ion Ratio Lower Upper
 75 100
 155 82.7 63.6 95.4
 157 107.9 82.1 123.1

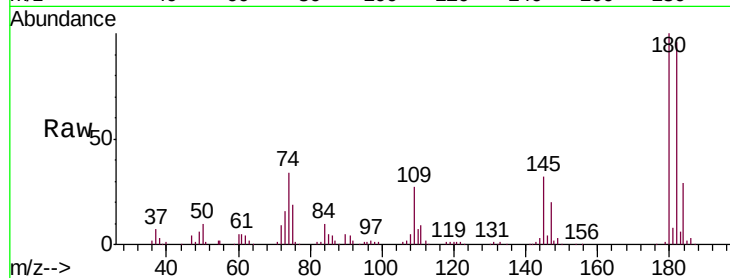




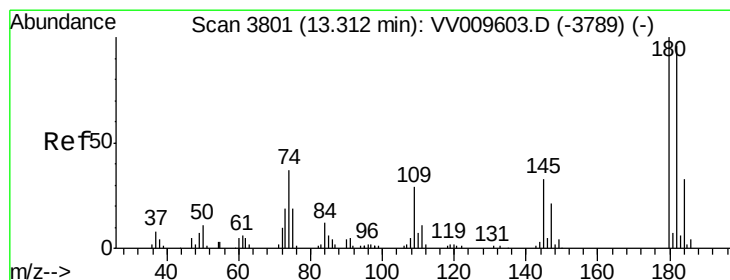
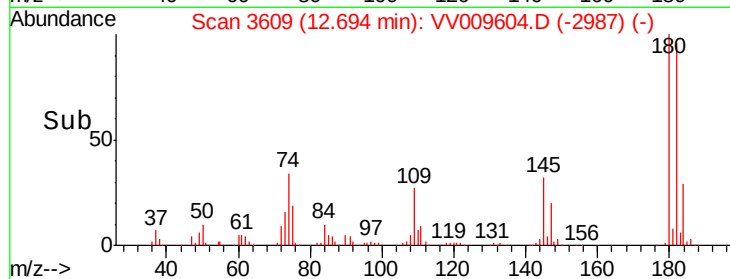
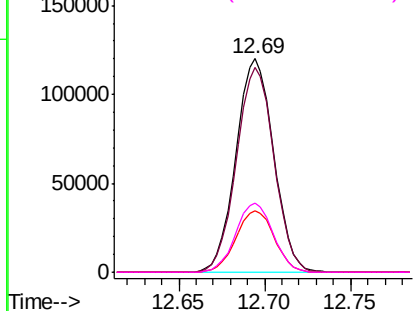
#67
 1,3,5-Trichlorobenzene
 Concen: 103.398 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009604.D
 Acq: 12 Mar 2019 11:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

Tgt Ion:180 Resp: 183436
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.0 115.4
 184 29.3 24.2 36.4
 145 32.3 24.7 37.1

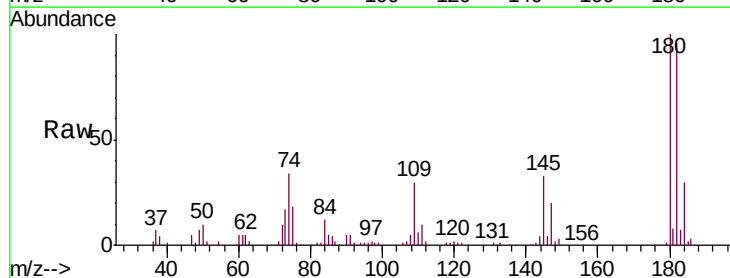


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

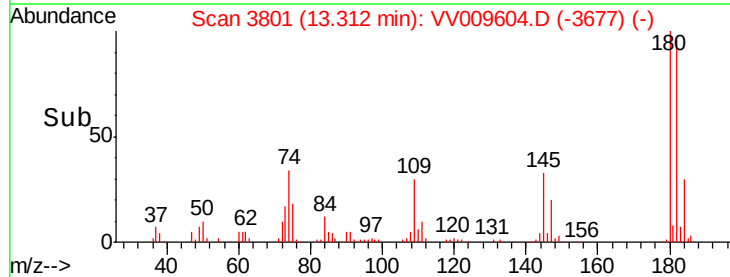
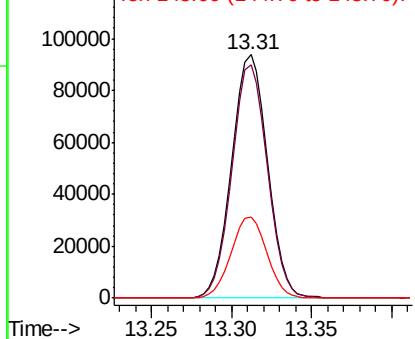


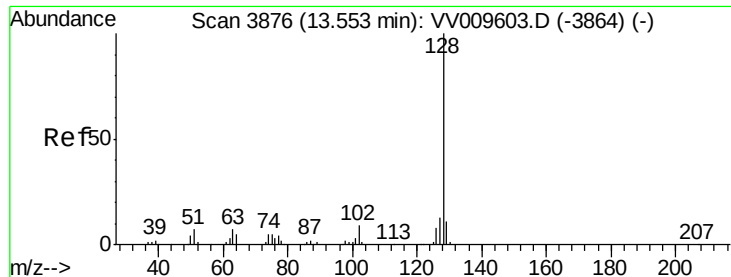
#68
 1,2,4-trichlorobenzene
 Concen: 116.354 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009604.D
 Acq: 12 Mar 2019 11:53

Tgt Ion:180 Resp: 142875
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.6 114.8
 145 33.2 26.2 39.4



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





#69

Naphthalene

Concen: 120.480 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

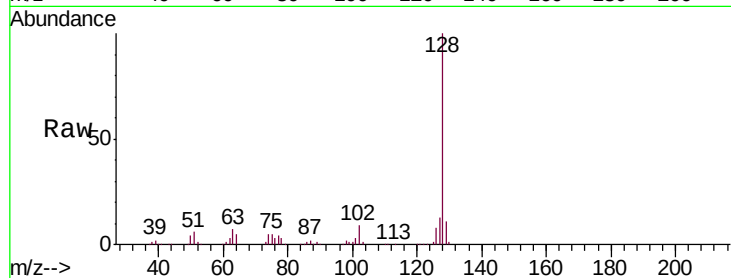
Tgt Ion:128 Resp: 416551

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

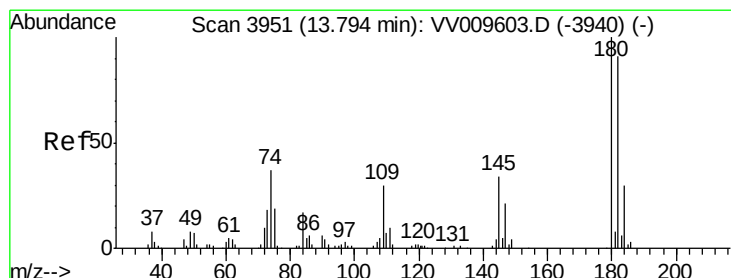
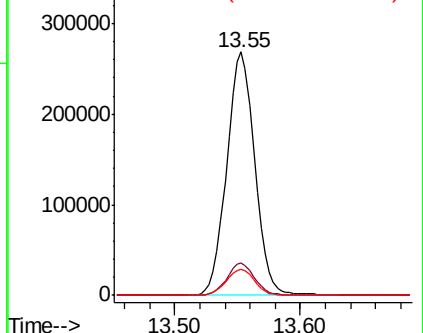
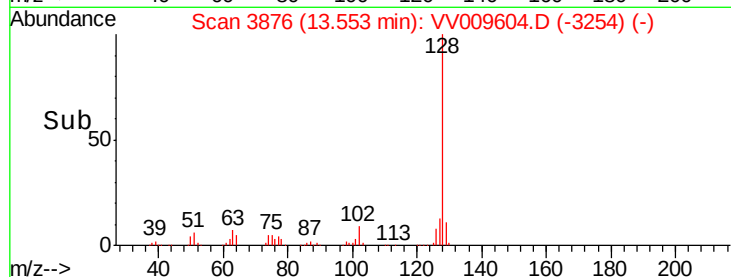
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 113.286 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009604.D

Acq: 12 Mar 2019 11:53

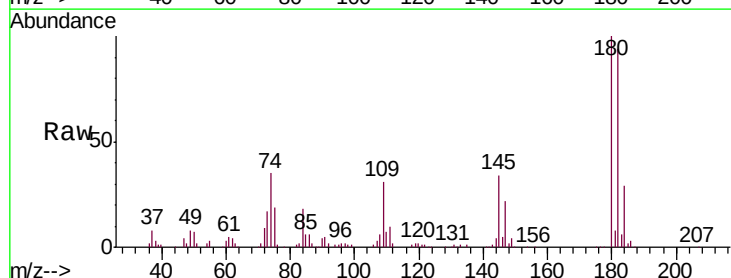
Tgt Ion:180 Resp: 146542

Ion Ratio Lower Upper

180 100

182 95.2 73.4 110.0

145 34.4 27.0 40.4



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

