

Data File : VV006116.D

Acq On : 31 May 2018 19:36

Operator : SY/MD

Sample : VSTD00563

Misc : 25 mL/MSVOA_V/WATER

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Quant Time: Jun 01 07:53:39 2018

Quant Method : W:\HPCHEM1\MSVOA_V\METHOD\SOMVTR053118WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Jun 01 07:29:00 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	298002	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	265822	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	127418	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	81961	3.63	ug/L	0.00
7) Chloroethane-d5	1.58	69	64822	3.92	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	160874	3.53	ug/L	0.00
20) 2-Butanone-d5	3.96	46	157616	33.56	ug/L	0.00
24) Chloroform-d	4.41	84	158626	4.02	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	75833	4.07	ug/L	0.00
32) Benzene-d6	5.10	84	320228	4.31	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	95889	4.16	ug/L	0.00
41) Toluene-d8	7.37	98	300504	4.36	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	42049	4.96	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	190696	49.96	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	69744	4.40	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	110349	4.48	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	87918	2.61	ug/L	100
3) Chloromethane	1.26	50	94818	2.73	ug/L	100
5) Vinyl chloride	1.32	62	117376	3.07	ug/L	100
6) Bromomethane	1.54	94	60945	3.06	ug/L	100
8) Chloroethane	1.60	64	66185	3.12	ug/L	100
9) Trichlorofluoromethane	1.77	101	155004	3.21	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	95752	3.34	ug/L	100
12) 1,1-Dichloroethene	2.14	96	88213	3.20	ug/L	100
13) Acetone	2.20	43	87011	19.82	ug/L	100
14) Carbon disulfide	2.32	76	294631	3.35	ug/L	100
15) Methyl Acetate	2.47	43	25259	2.19	ug/L	100
16) Methylene chloride	2.54	84	89890	2.89	ug/L	100
17) Methyl tert-butyl Ether	2.81	73	220851	3.29	ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	97576	3.23	ug/L	100
19) 1,1-Dichloroethane	3.23	63	160968	2.89	ug/L	100
21) 2-Butanone	4.04	43	165645	23.83	ug/L	100
22) cis-1,2-Dichloroethene	3.97	96	104251	3.34	ug/L	100
23) Bromochloromethane	4.30	128	42172	3.25	ug/L	100
25) Chloroform	4.44	83	166077	3.10	ug/L	100
27) 1,2-Dichloroethane	5.19	62	96161	2.99	ug/L	100
29) 1,1,1-Trichloroethane	4.67	97	154126	3.56	ug/L	100
30) Cyclohexane	4.73	56	156093	3.54	ug/L	100
31) Carbon tetrachloride	4.88	117	134255	3.47	ug/L	100
33) Benzene	5.15	78	379786	3.33	ug/L	100
34) Trichloroethene	5.96	95	104018	3.40	ug/L	100
35) Methylcyclohexane	6.18	83	178722	3.93	ug/L	100
37) 1,2-Dichloropropane	6.23	63	90577	3.04	ug/L	100
38) Bromodichloromethane	6.56	83	123411	3.63	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	149062	3.80	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	474044	29.88	ug/L	100

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 01 07:29:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	418026	3.53	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	119416	3.77	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	64012	3.36	ug/L	100
47) Tetrachloroethene	8.03	164	84114	3.42	ug/L	100
48) 2-Hexanone	8.19	43	337003	29.91	ug/L	100
49) Dibromochloromethane	8.30	129	80434	3.63	ug/L	100
50) 1,2-Dibromoethane	8.40	107	59976	3.41	ug/L	100
51) Chlorobenzene	8.93	112	270676	3.51	ug/L	100
52) Ethylbenzene	9.06	91	469836	3.75	ug/L	100
53) m,p-xylene	9.19	106	180743	3.80	ug/L	100
54) o-xylene	9.59	106	180110	3.90	ug/L	100
55) Styrene	9.61	104	296266	3.85	ug/L	100
56) Isopropylbenzene	9.98	105	473781	3.94	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.30	83	72820	3.29	ug/L	100
59) 1,2,3-Trichloropropane	10.33	75	51875	3.17	ug/L	100
61) Bromoform	9.78	173	45013	3.65	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	207787	3.63	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	204294	3.50	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	193090	3.49	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	12949	4.05	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	162317	3.58	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	128391	3.66	ug/L	100
69) Naphthalene	13.56	128	221348	4.26	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	117586	3.58	ug/L	100

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

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Instrument :
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ClientSampleId :
VSTD00563

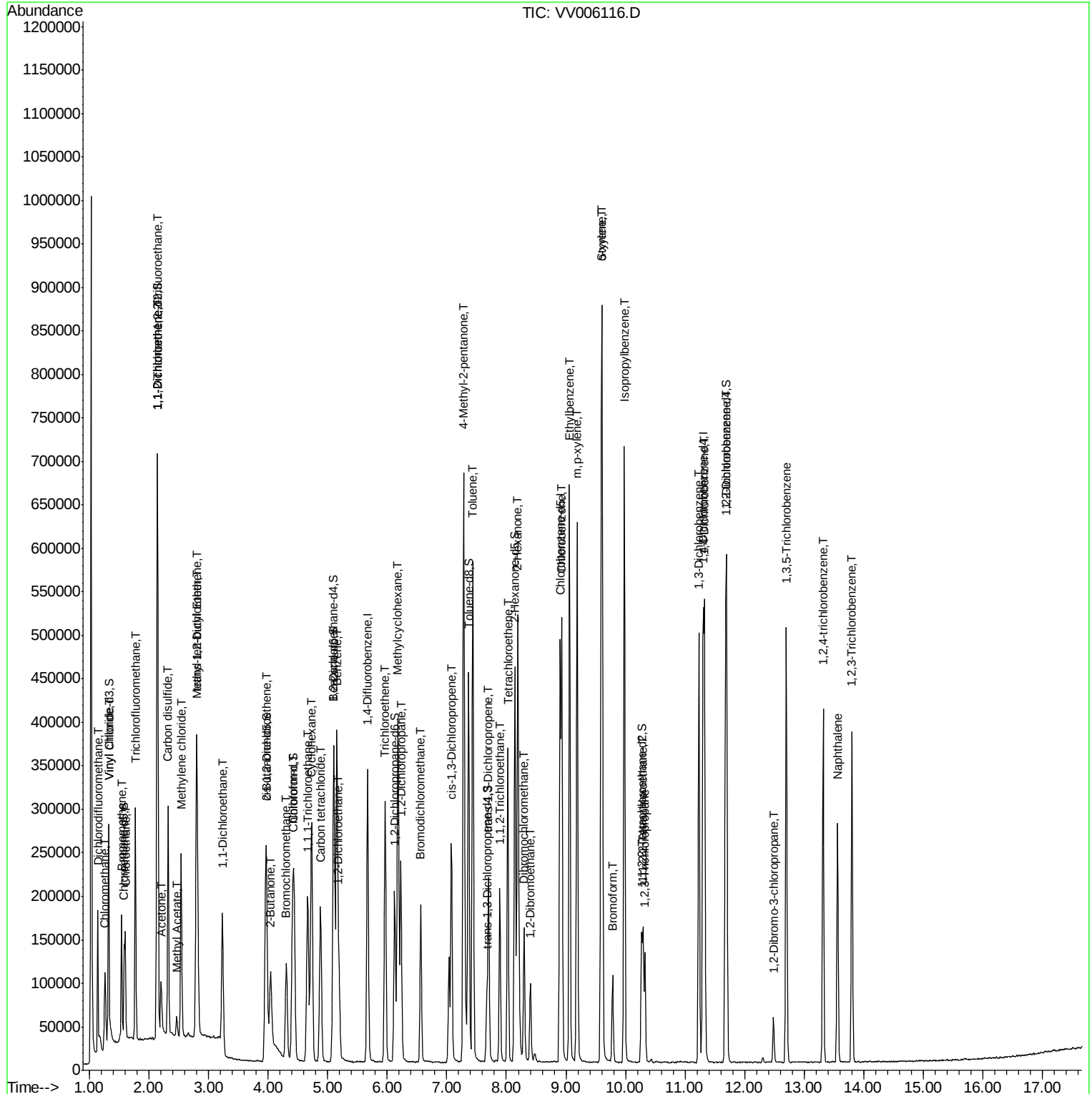
Quant Time: Jun 01 07:53:39 2018

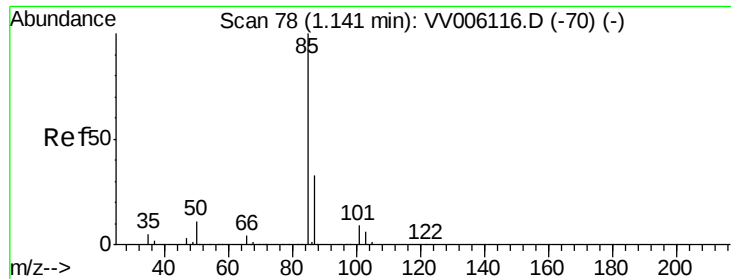
Quant Method : W:\HPCHEM1\MSVOA_V\METHOD\S0MVTR053118WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Jun 01 07:29:00 2018

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#2

Dichlorodifluoromethane

Concen: 2.61 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006116.D

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Instrument :

MSVOA_V

ClientSampleId :

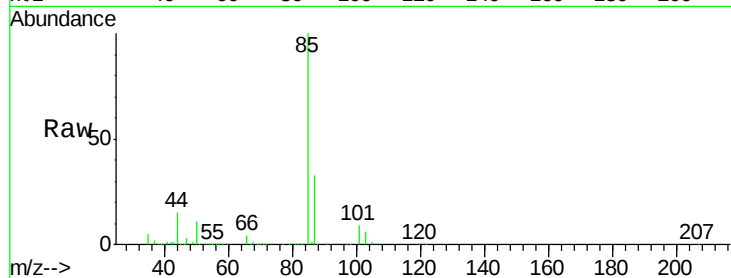
VSTD00563

Tgt Ion: 85 Resp: 87918

Ion Ratio Lower Upper

85 100

87 32.8 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV006116.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV006116.D (-70) (-)

1.14

100000

80000

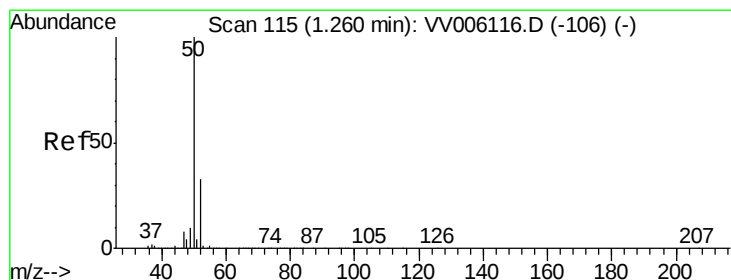
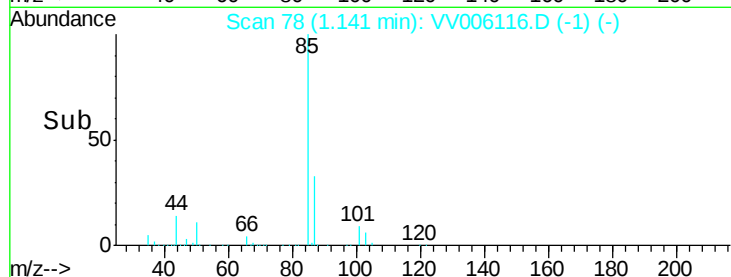
60000

40000

20000

0

Time--> 1.10 1.12 1.14 1.16



#3

Chloromethane

Concen: 2.73 ug/L

RT: 1.26 min Scan# 115

Delta R.T. 0.00 min

Lab File: VV006116.D

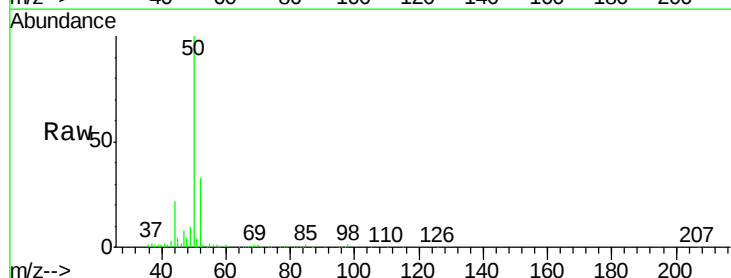
Acq: 31 May 2018 19:36

Tgt Ion: 50 Resp: 94818

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VV006116.D (-106) (-)

Ion 52.05 (51.75 to 52.75): VV006116.D (-106) (-)

1.26

60000

50000

40000

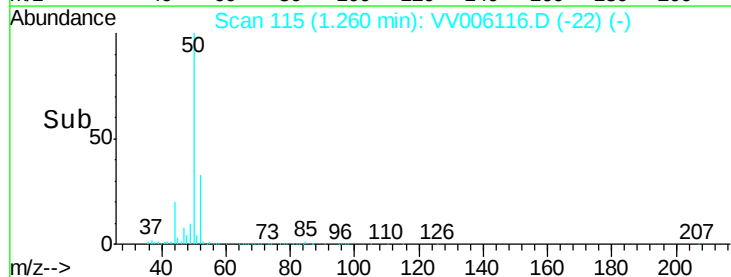
30000

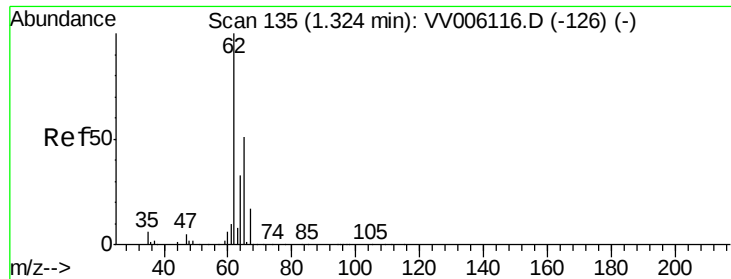
20000

10000

0

Time--> 1.20 1.25 1.30





#5

Vinyl chloride

Concen: 3.07 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006116.D

Acq: 31 May 2018 19:36

Instrument :

MSVOA_V

ClientSampleId :

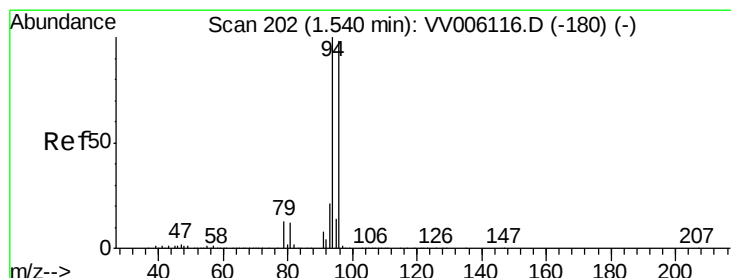
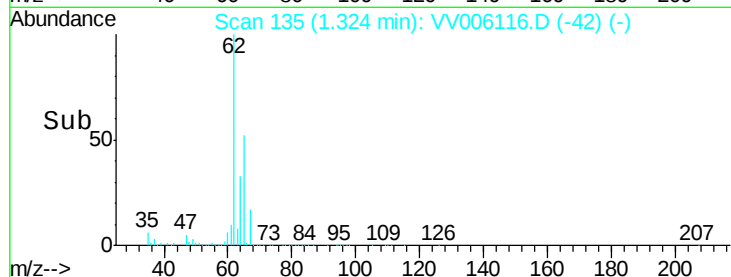
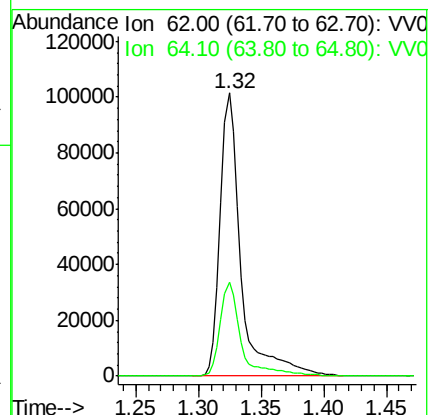
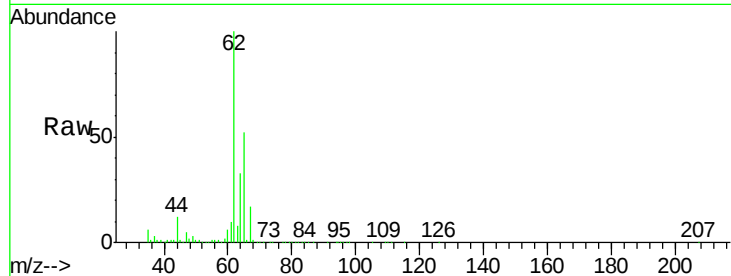
VSTD00563

Tgt Ion: 62 Resp: 117376

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



#6

Bromomethane

Concen: 3.06 ug/L

RT: 1.54 min Scan# 202

Delta R.T. 0.00 min

Lab File: VV006116.D

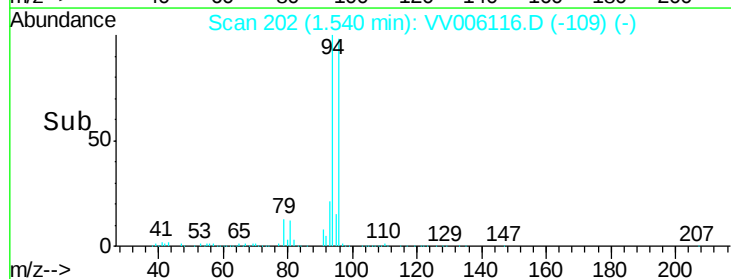
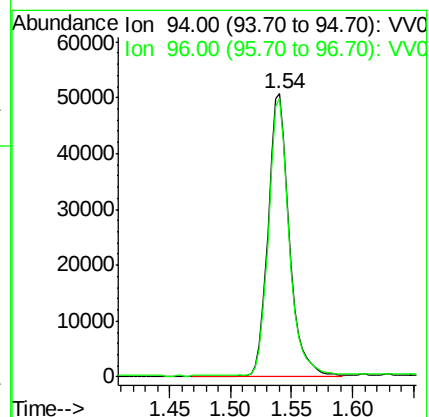
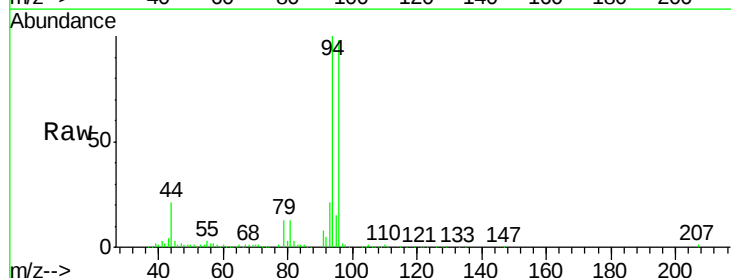
Acq: 31 May 2018 19:36

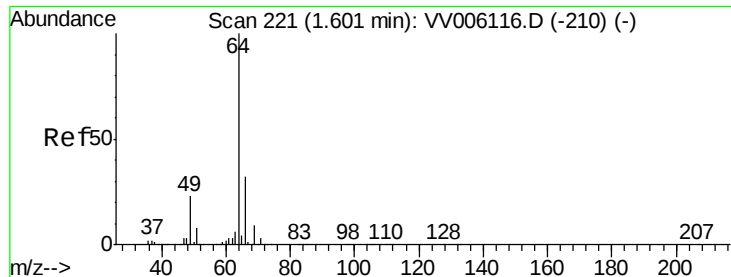
Tgt Ion: 94 Resp: 60945

Ion Ratio Lower Upper

94 100

96 98.4 68.9 127.9





#8

Chloroethane

Concen: 3.12 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV006116.D

Acq: 31 May 2018 19:36

Instrument :

MSVOA_V

ClientSampleId :

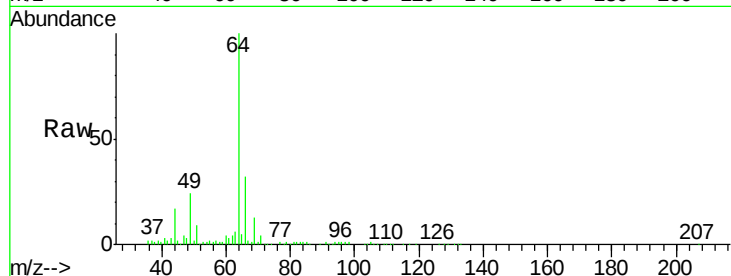
VSTD00563

Tgt Ion: 64 Resp: 66185

Ion Ratio Lower Upper

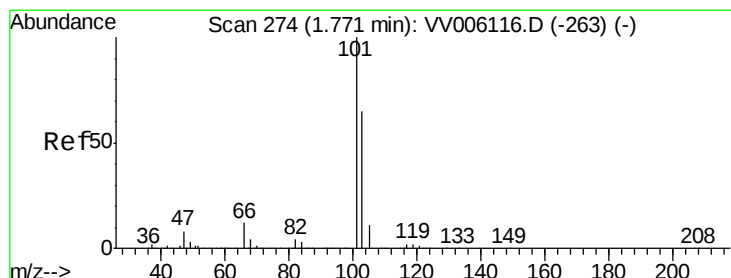
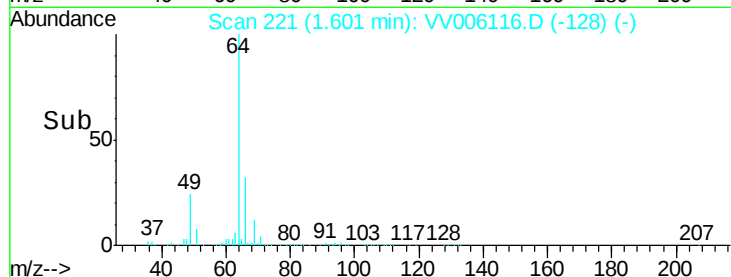
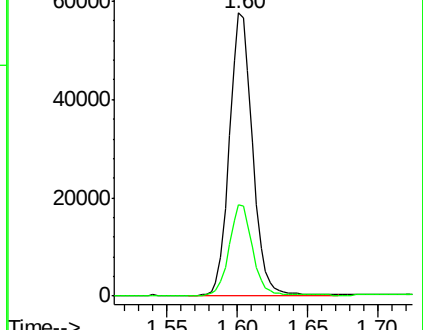
64 100

66 32.1 22.5 41.7



Abundance Ion 64.10 (63.80 to 64.80): VV006116.D (-210) (-)

Ion 66.05 (65.75 to 66.75): VV006116.D (-210) (-)



#9

Trichlorofluoromethane

Concen: 3.21 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV006116.D

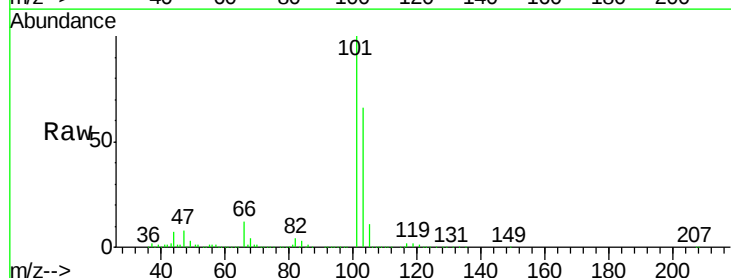
Acq: 31 May 2018 19:36

Tgt Ion: 101 Resp: 155004

Ion Ratio Lower Upper

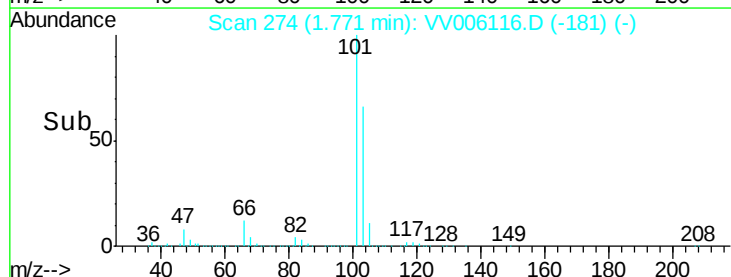
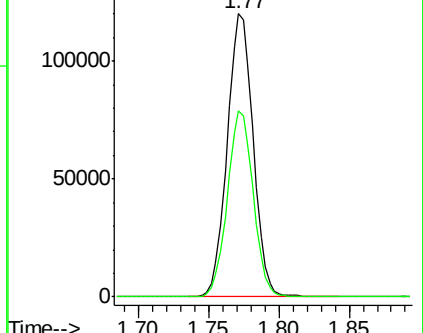
101 100

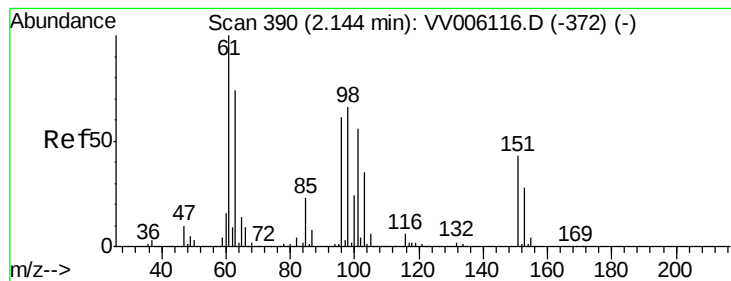
103 65.0 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): VV006116.D (-263) (-)

Ion 103.00 (102.70 to 103.70): VV006116.D (-263) (-)





#10

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

Concen: 3.34 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006116.D

Acq: 31 May 2018 19:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

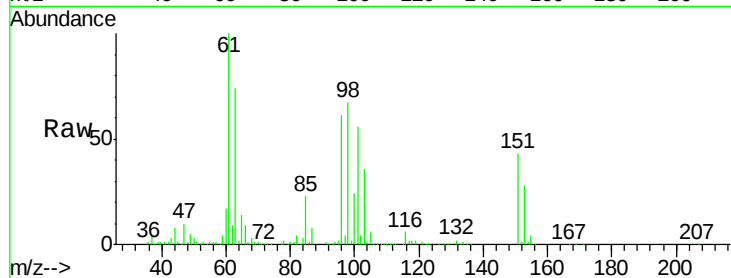
Tgt Ion: 101 Resp: 95752

Ion Ratio Lower Upper

101 100

85 40.8 32.6 49.0

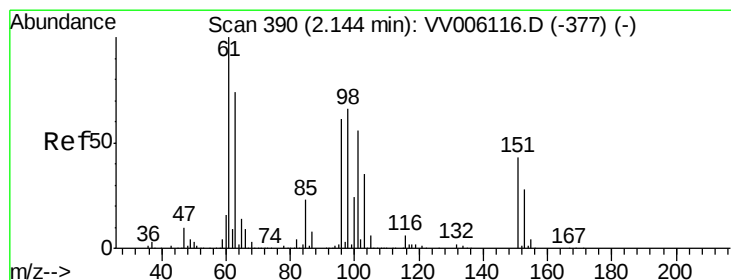
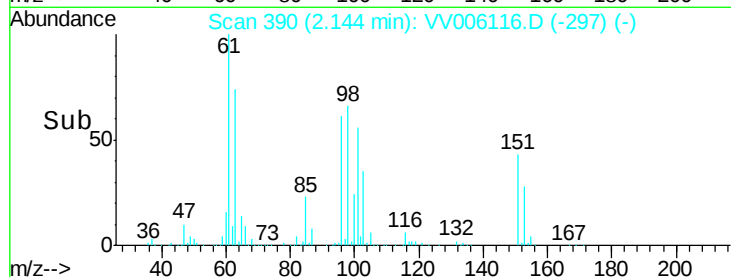
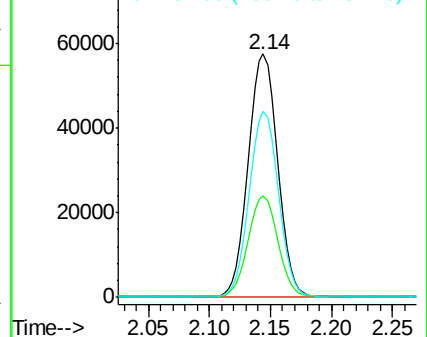
151 76.1 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): VV006116.D (-372) (-)

Ion 85.00 (84.70 to 85.70): VV006116.D (-372) (-)

Ion 151.00 (150.70 to 151.70): VV006116.D (-372) (-)



#12

1,1-Dichloroethene

Concen: 3.20 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006116.D

Acq: 31 May 2018 19:36

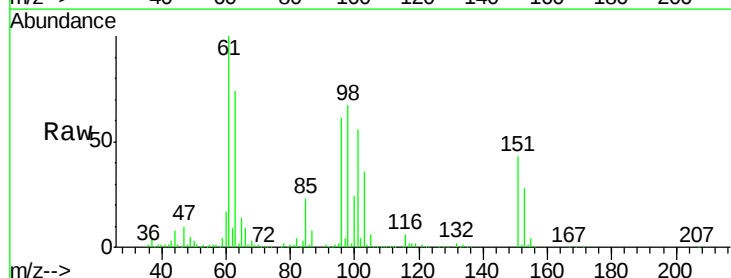
Tgt Ion: 96 Resp: 88213

Ion Ratio Lower Upper

96 100

61 163.2 114.2 212.2

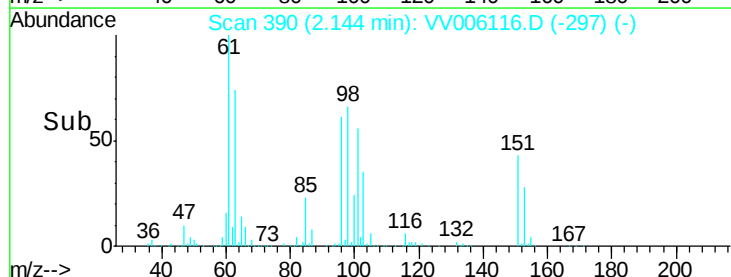
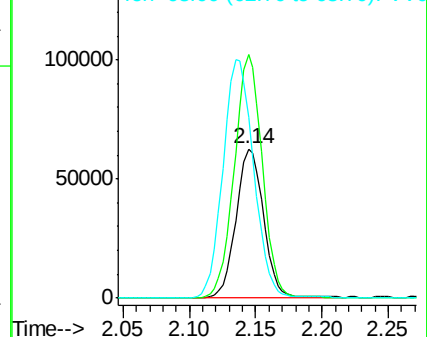
63 121.4 85.0 157.8

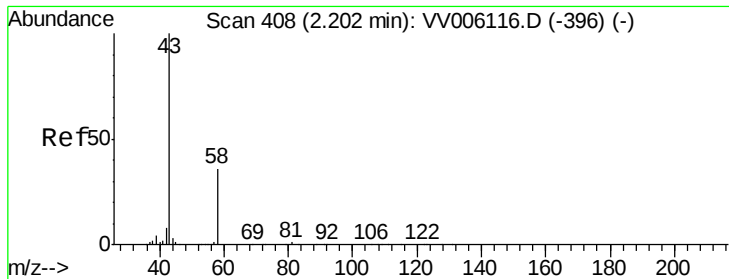


Abundance Ion 96.00 (95.70 to 96.70): VV006116.D (-377) (-)

Ion 61.05 (60.75 to 61.75): VV006116.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VV006116.D (-377) (-)

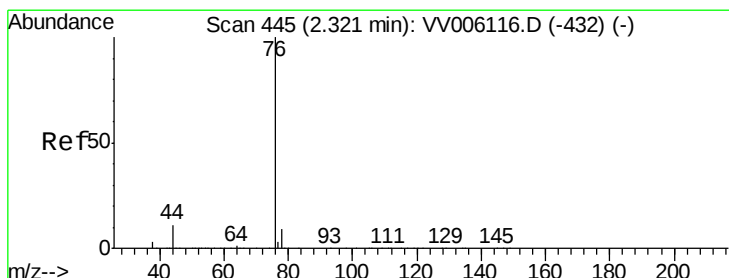
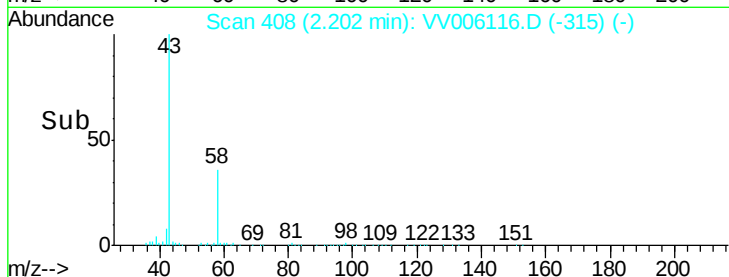
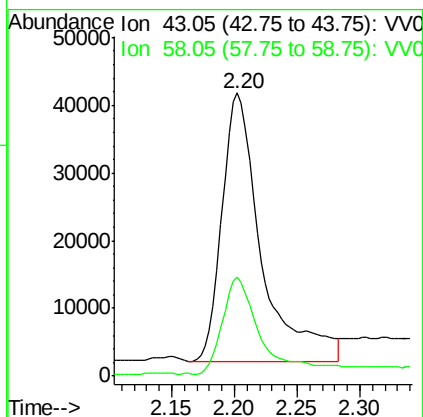
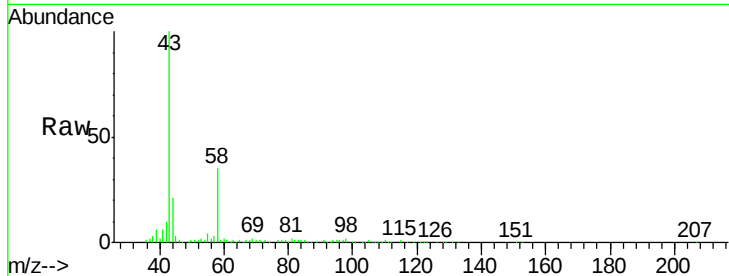




#13
Acetone
Concen: 19.82 ug/L
RT: 2.20 min Scan# 408
Delta R.T. 0.00 min
Lab File: VV006116.D
Acq: 31 May 2018 19:36

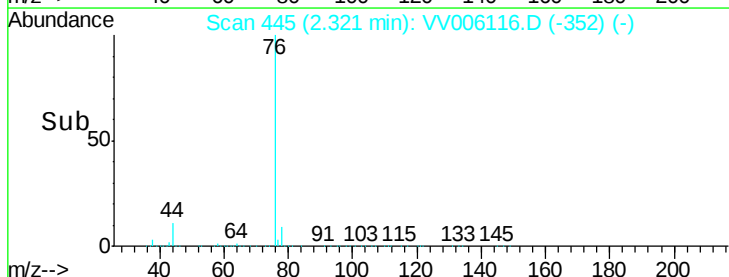
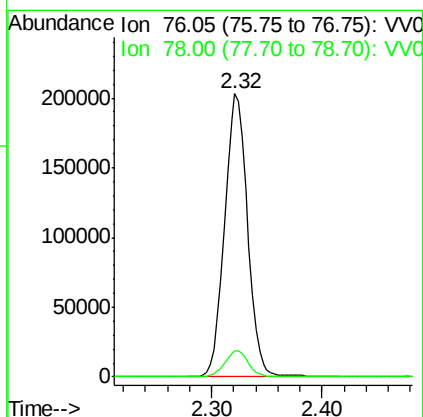
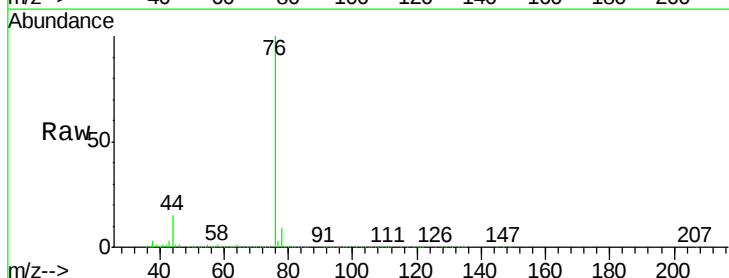
Instrument :
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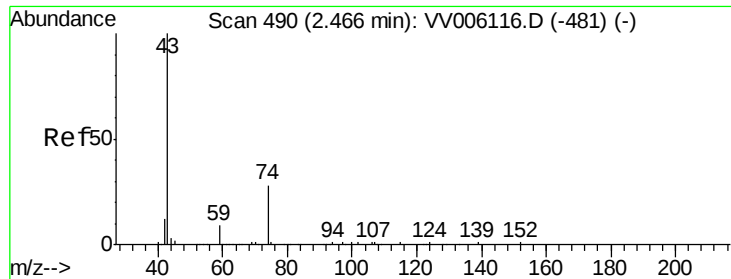
Tgt Ion: 43 Resp: 87011
Ion Ratio Lower Upper
43 100
58 33.7 0.0 67.4



#14
Carbon disulfide
Concen: 3.35 ug/L
RT: 2.32 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV006116.D
Acq: 31 May 2018 19:36

Tgt Ion: 76 Resp: 294631
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3

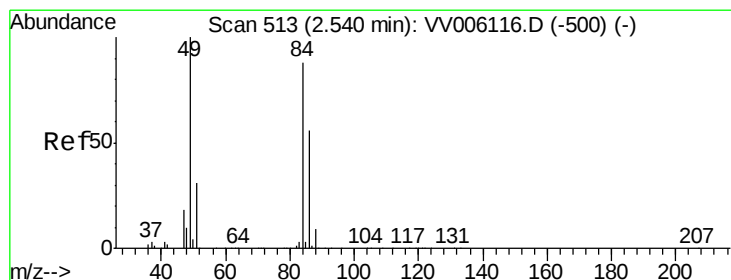
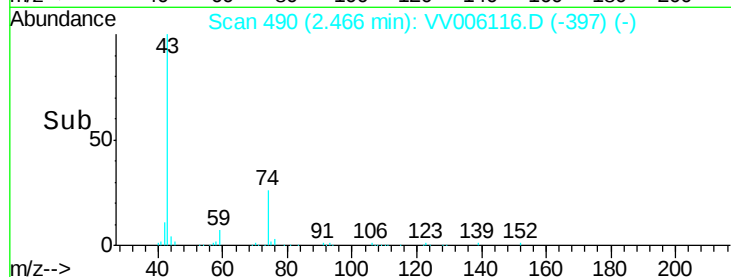
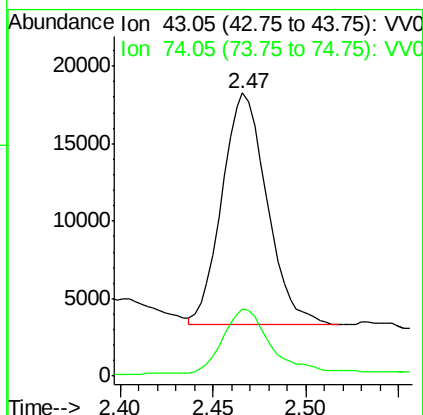
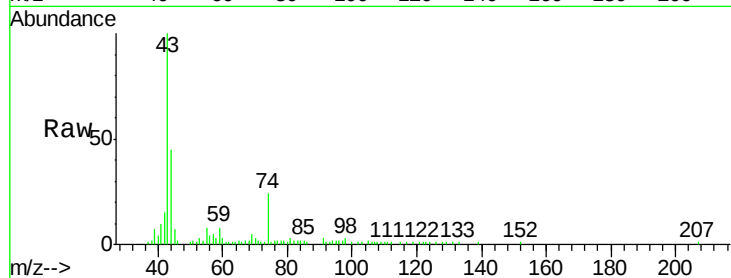




#15
Methyl Acetate
Concen: 2.19 ug/L
RT: 2.47 min Scan# 490
Delta R.T. 0.00 min
Lab File: VV006116.D
Acq: 31 May 2018 19:36

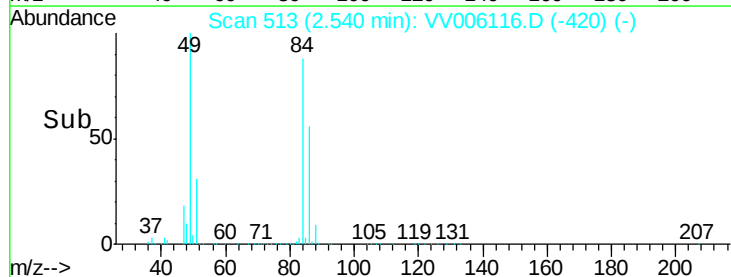
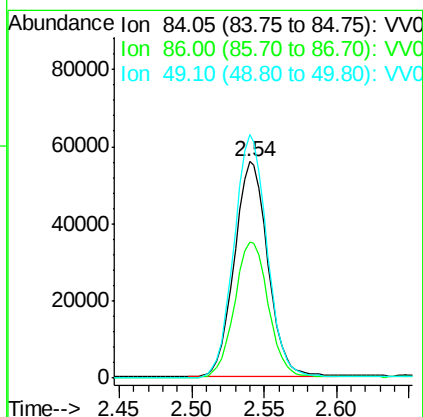
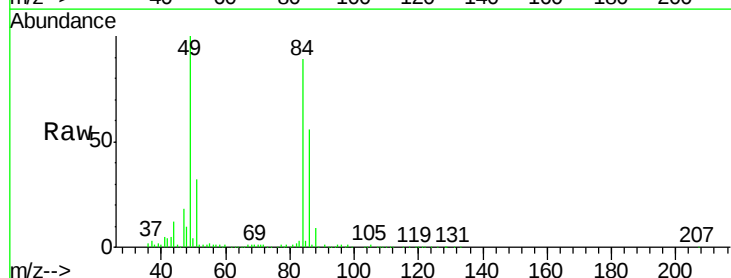
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

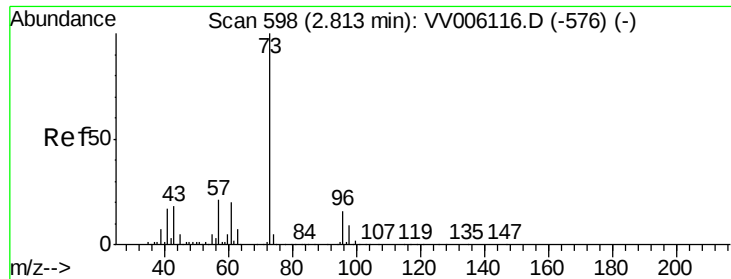
Tgt Ion: 43 Resp: 25259
Ion Ratio Lower Upper
43 100
74 29.2 23.4 35.0



#16
Methylene chloride
Concen: 2.89 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006116.D
Acq: 31 May 2018 19:36

Tgt Ion: 84 Resp: 89890
Ion Ratio Lower Upper
84 100
86 63.1 44.2 82.0
49 112.6 78.8 146.4

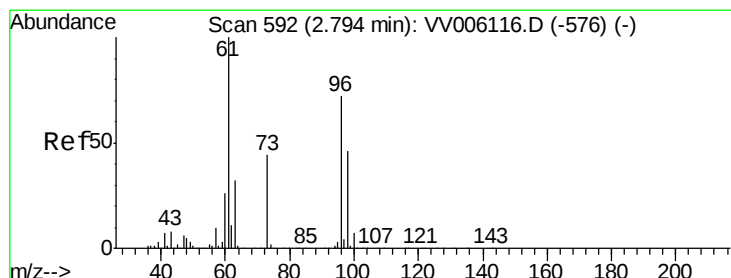
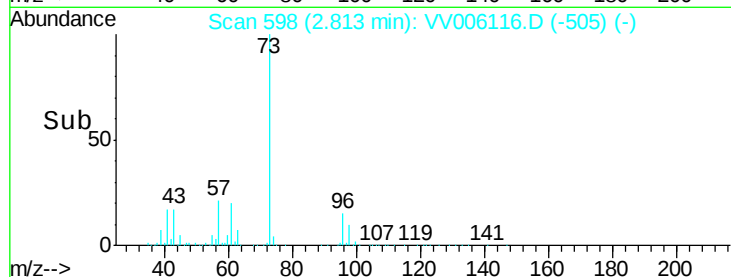
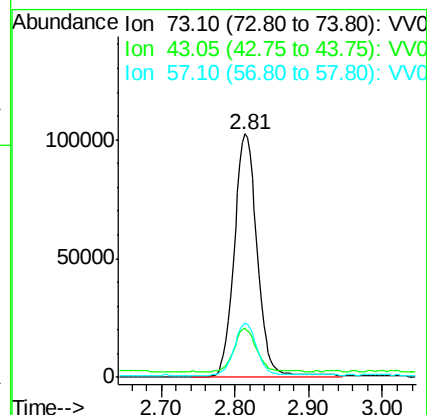
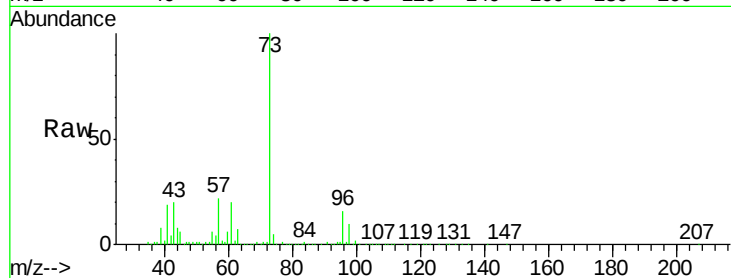




#17
Methyl tert-butyl Ether
Concen: 3.29 ug/L
RT: 2.81 min Scan# 598
Delta R.T. 0.00 min
Lab File: VV006116.D
Acq: 31 May 2018 19:36

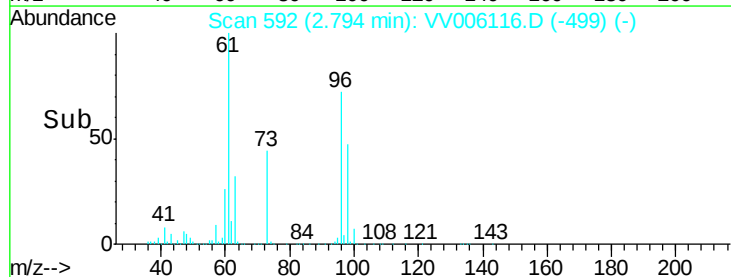
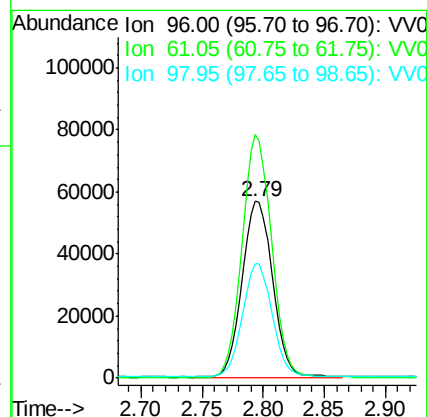
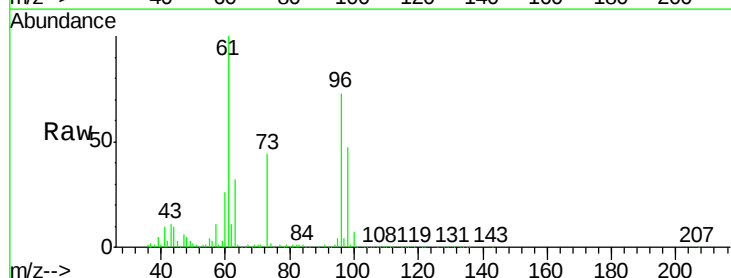
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

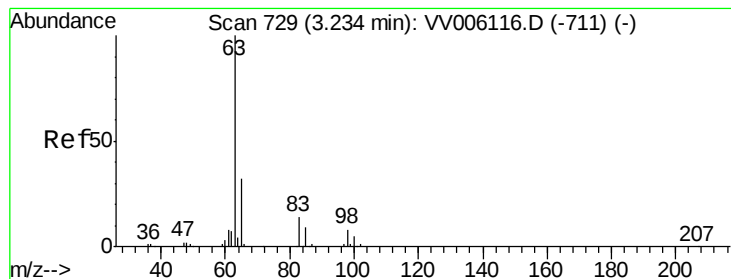
Tgt Ion	Ratio	Lower	Upper
73	100		
43	17.8	14.2	21.4
57	21.0	16.8	25.2



#18
trans-1,2-Dichloroethene
Concen: 3.23 ug/L
RT: 2.79 min Scan# 592
Delta R.T. 0.00 min
Lab File: VV006116.D
Acq: 31 May 2018 19:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.6	96.3	178.9
98	64.8	45.4	84.2





#19

1,1-Dichloroethane

Concen: 2.89 ug/L

RT: 3.23 min Scan# 729

Delta R.T. 0.00 min

Lab File: VV006116.D

Acq: 31 May 2018 19:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

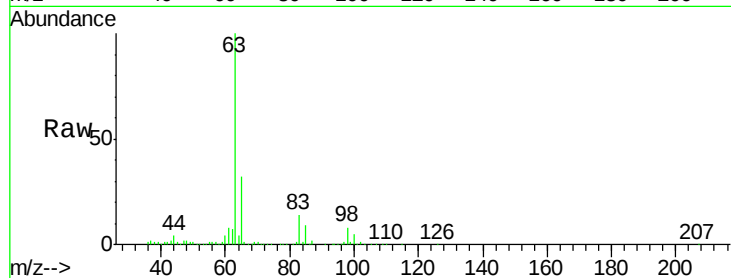
Tgt Ion: 63 Resp: 160968

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.3

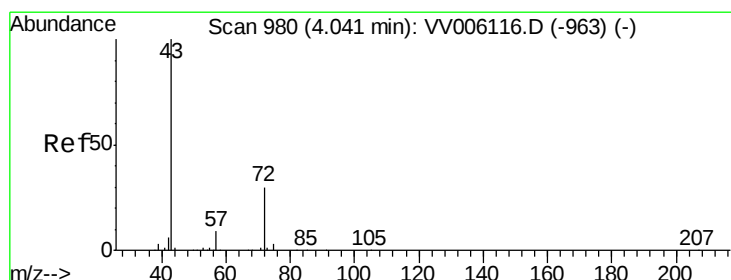
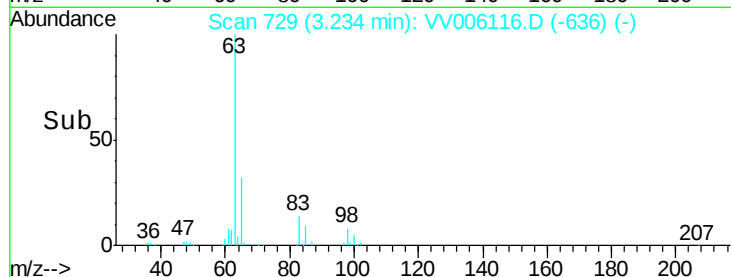
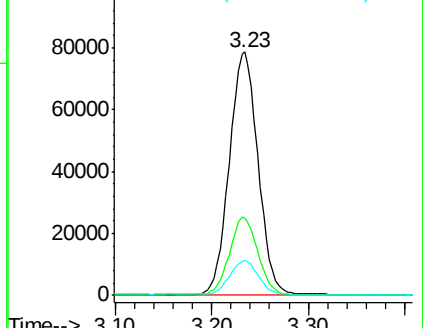
83 14.3 10.0 18.6



Abundance Ion 63.10 (62.80 to 63.80): VV006116.D (-711) (-)

Ion 65.10 (64.80 to 65.80): VV006116.D (-711) (-)

Ion 83.05 (82.75 to 83.75): VV006116.D (-711) (-)



#21

2-Butanone

Concen: 23.83 ug/L

RT: 4.04 min Scan# 980

Delta R.T. 0.00 min

Lab File: VV006116.D

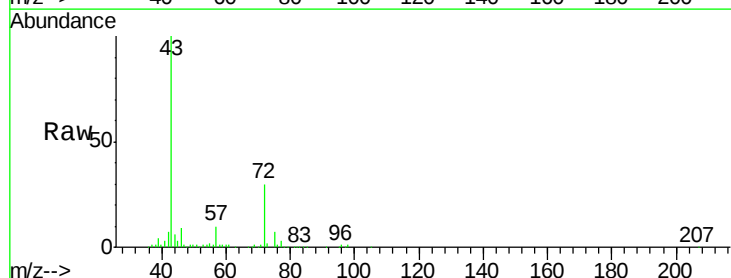
Acq: 31 May 2018 19:36

Tgt Ion: 43 Resp: 165645

Ion Ratio Lower Upper

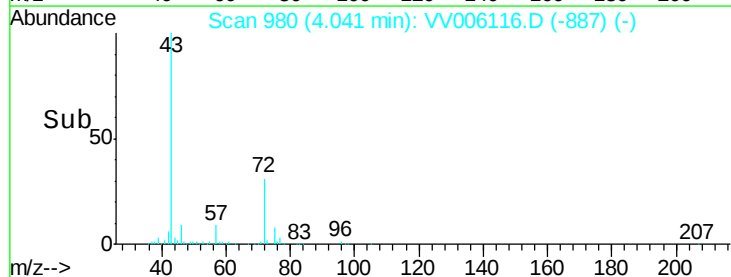
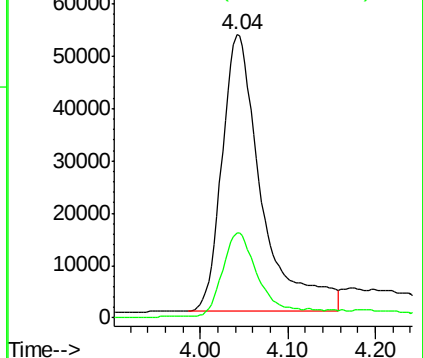
43 100

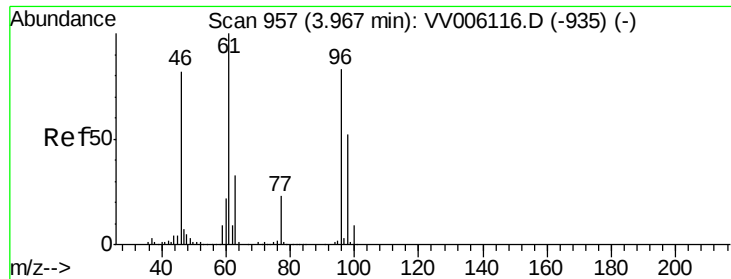
72 27.5 13.8 41.3



Abundance Ion 43.05 (42.75 to 43.75): VV006116.D (-963) (-)

Ion 72.10 (71.80 to 72.80): VV006116.D (-963) (-)



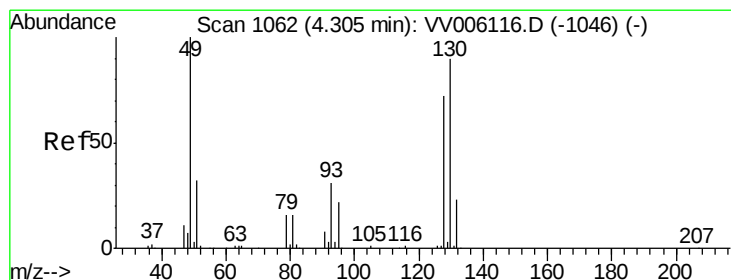
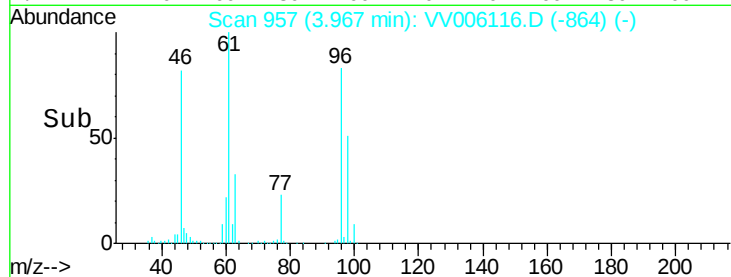
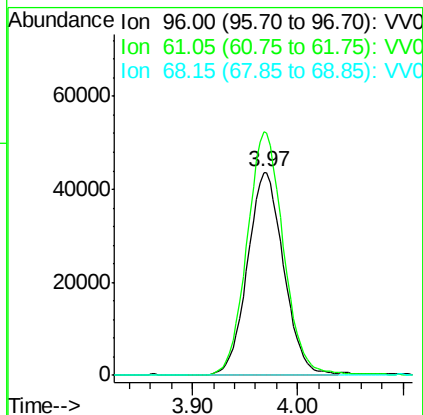
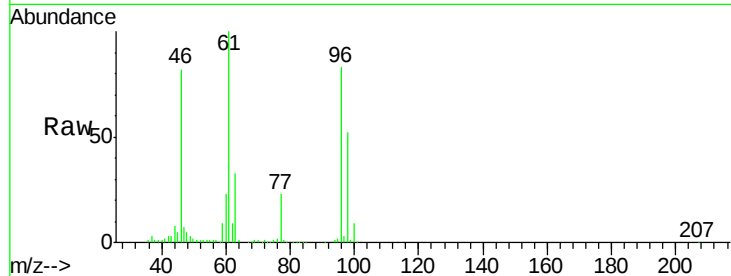


#22

cis-1,2-Dichloroethene
Concen: 3.34 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV006116.D
Acq: 31 May 2018 19:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

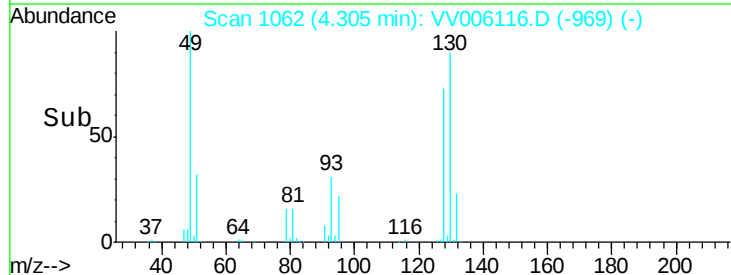
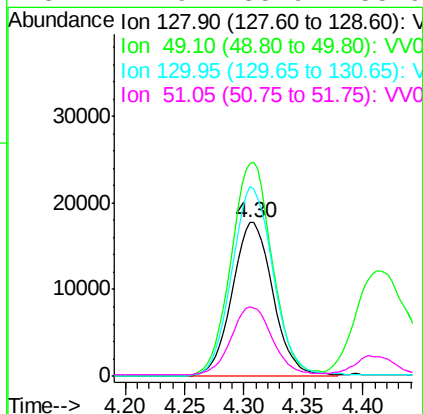
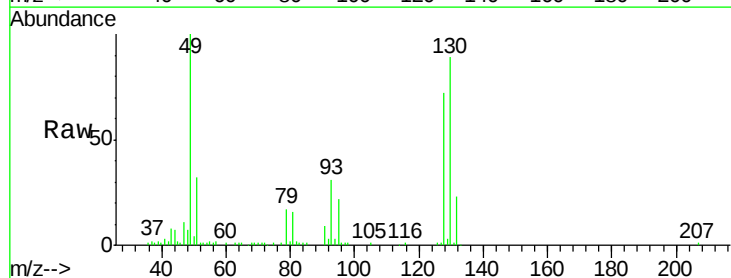
Tgt Ion: 96 Resp: 104251
Ion Ratio Lower Upper
96 100
61 120.2 84.1 156.3
68 0.4 0.3 0.5

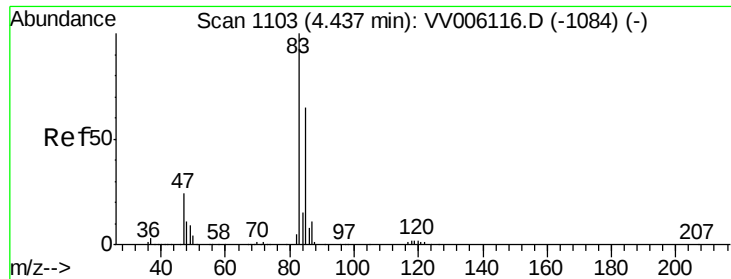


#23

Bromochloromethane
Concen: 3.25 ug/L
RT: 4.30 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VV006116.D
Acq: 31 May 2018 19:36

Tgt Ion: 128 Resp: 42172
Ion Ratio Lower Upper
128 100
49 138.7 97.1 180.3
130 123.7 86.6 160.8
51 44.9 35.9 53.9

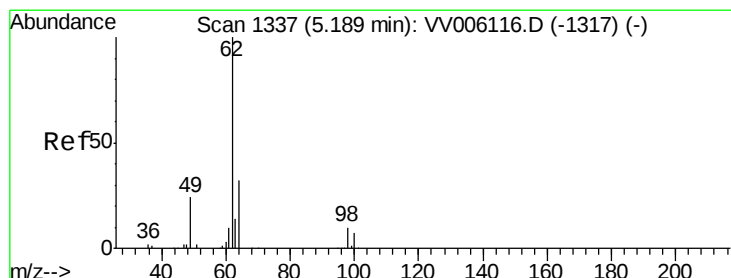
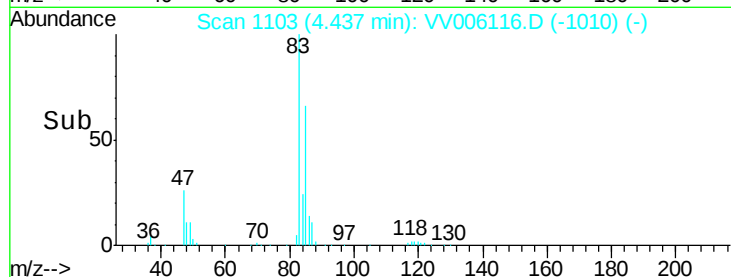
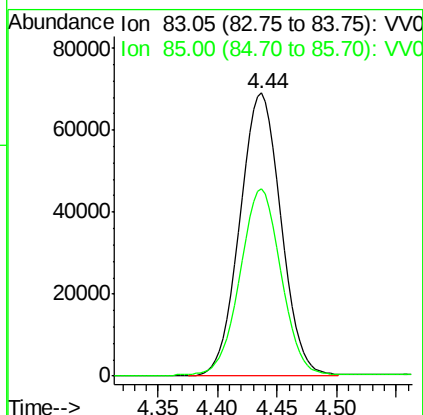
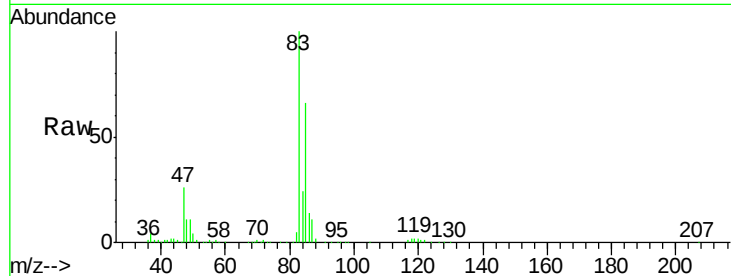




#25
Chloroform
Concen: 3.10 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV006116.D
Acq: 31 May 2018 19:36

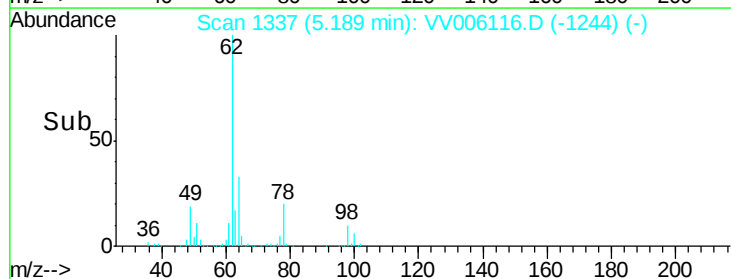
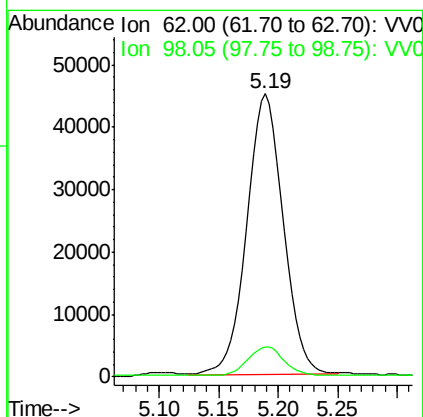
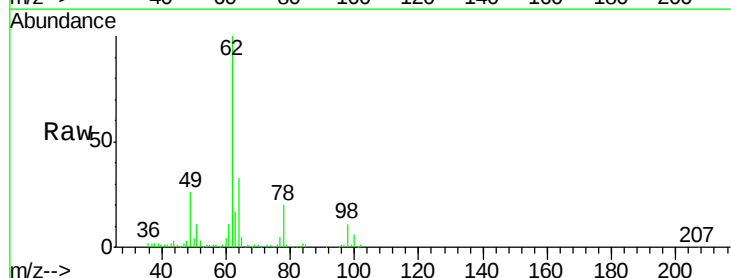
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

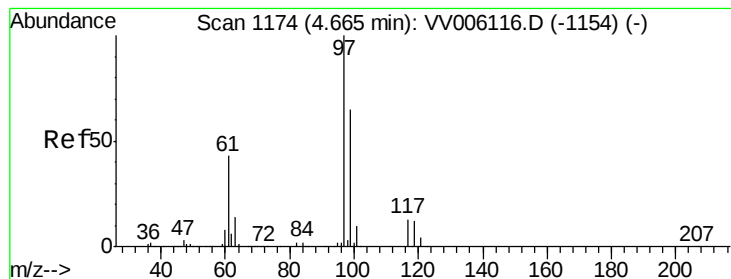
Tgt Ion: 83 Resp: 166077
Ion Ratio Lower Upper
83 100
85 66.0 46.2 85.8



#27
1,2-Dichloroethane
Concen: 2.99 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006116.D
Acq: 31 May 2018 19:36

Tgt Ion: 62 Resp: 96161
Ion Ratio Lower Upper
62 100
98 10.7 8.6 12.8





#29

1,1,1-Trichloroethane

Concen: 3.56 ug/L

RT: 4.67 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VV006116.D

Acq: 31 May 2018 19:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

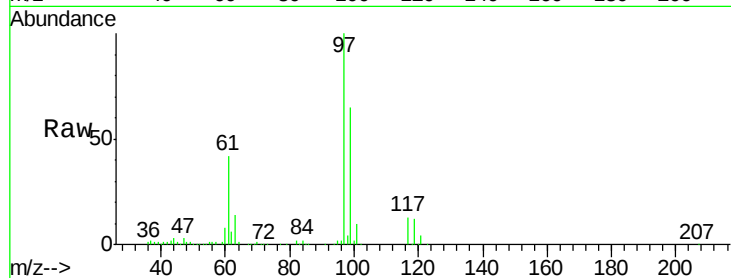
Tgt Ion: 97 Resp: 154126

Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

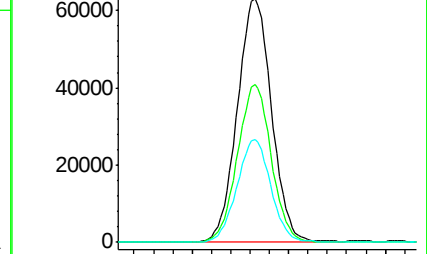
61 42.1 33.7 50.5



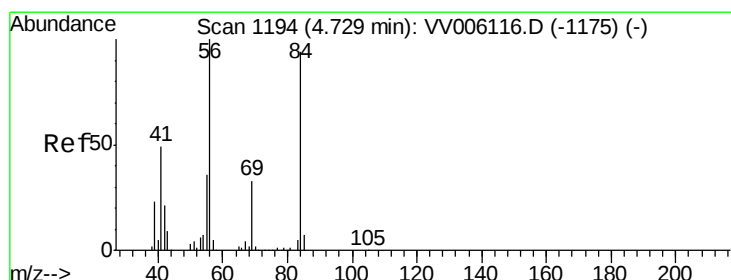
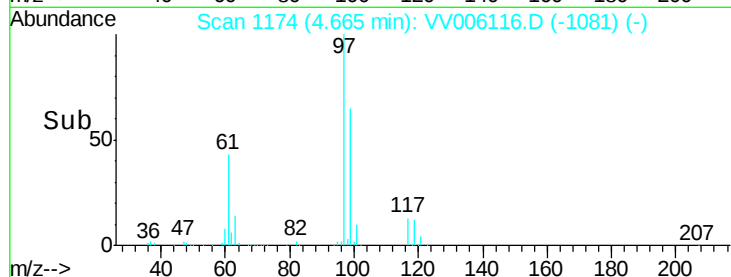
Abundance Ion 96.95 (96.65 to 97.65): VV006116.D (-1154) (-)

Ion 99.05 (98.75 to 99.75): VV006116.D (-1154) (-)

Ion 61.05 (60.75 to 61.75): VV006116.D (-1154) (-)



Time-->



#30

Cyclohexane

Concen: 3.54 ug/L

RT: 4.73 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VV006116.D

Acq: 31 May 2018 19:36

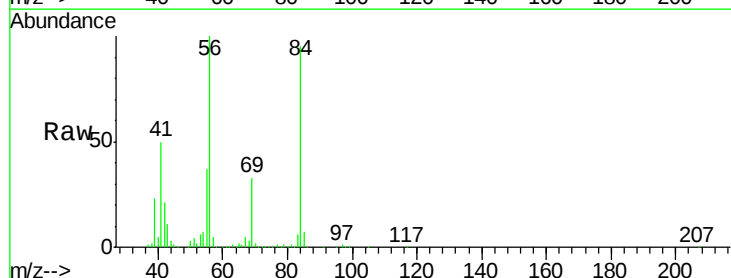
Tgt Ion: 56 Resp: 156093

Ion Ratio Lower Upper

56 100

69 33.0 26.4 39.6

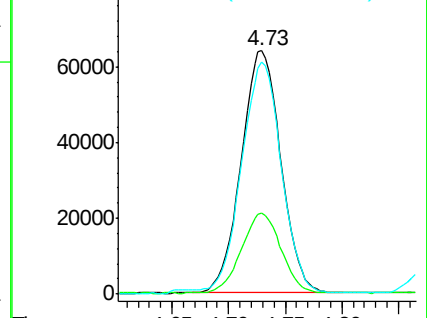
84 98.6 78.9 118.3



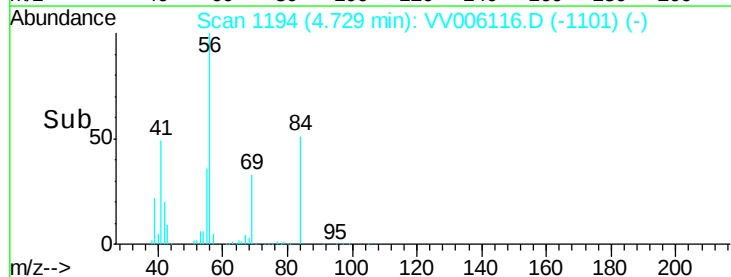
Abundance Ion 56.10 (55.80 to 56.80): VV006116.D (-1175) (-)

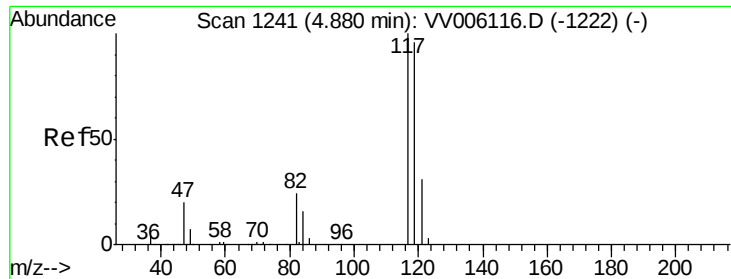
Ion 69.15 (68.85 to 69.85): VV006116.D (-1175) (-)

Ion 84.15 (83.85 to 84.85): VV006116.D (-1175) (-)



Time-->

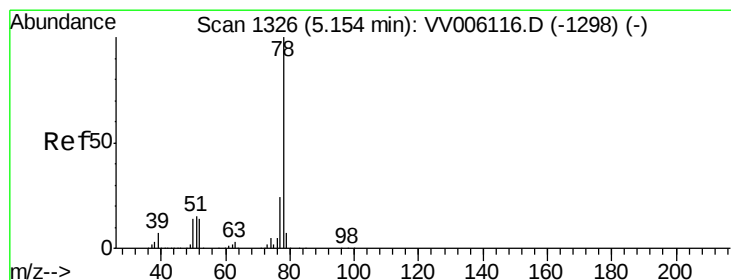
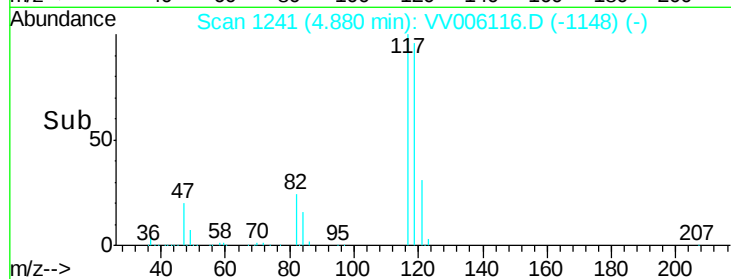
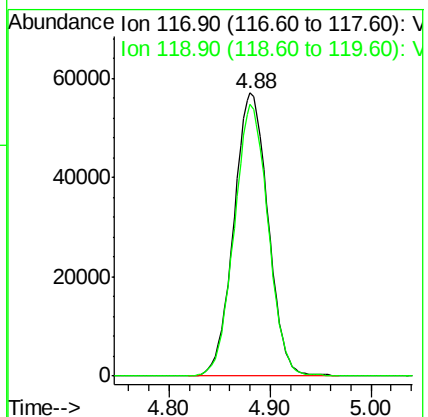
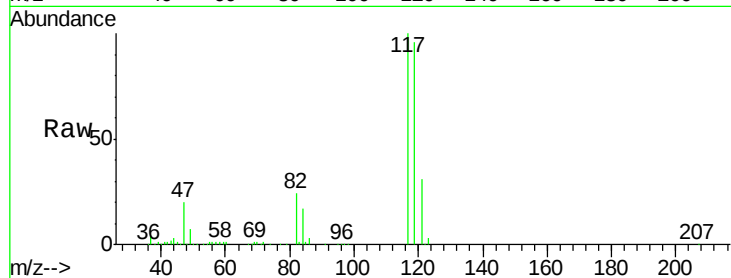




#31
Carbon tetrachloride
Concen: 3.47 ug/L
RT: 4.88 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VV006116.D
Acq: 31 May 2018 19:36

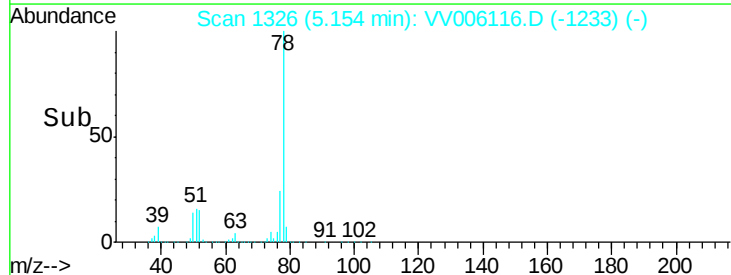
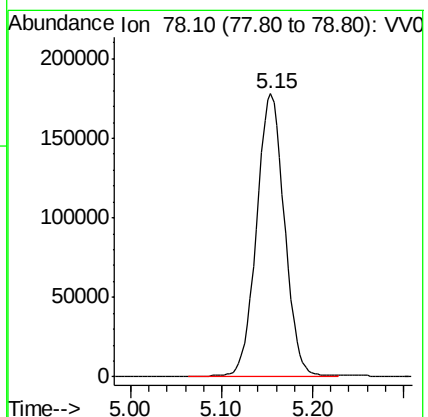
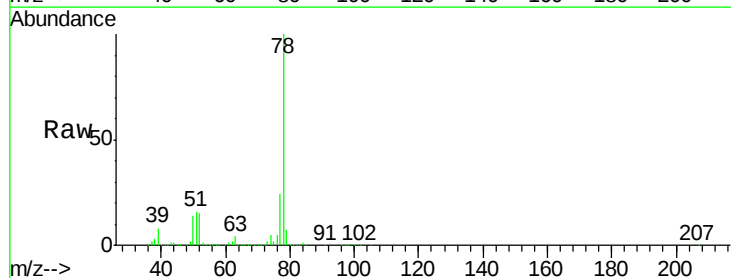
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

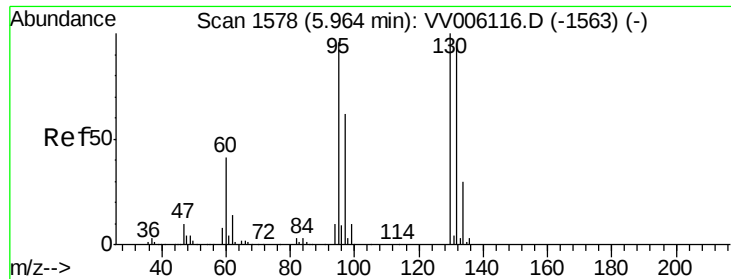
Tgt Ion:117 Resp: 134255
Ion Ratio Lower Upper
117 100
119 95.1 76.1 114.1



#33
Benzene
Concen: 3.33 ug/L
RT: 5.15 min Scan# 1326
Delta R.T. 0.00 min
Lab File: VV006116.D
Acq: 31 May 2018 19:36

Tgt Ion: 78 Resp: 379786

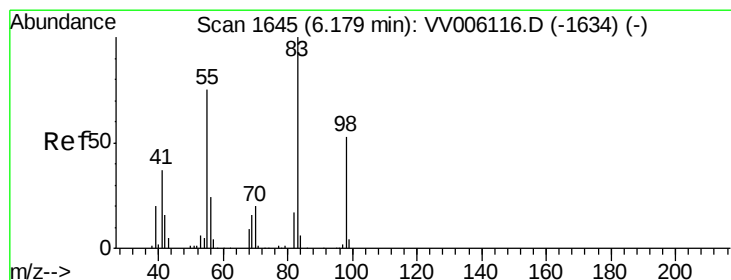
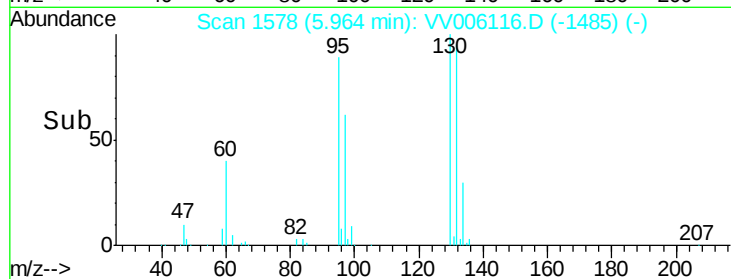
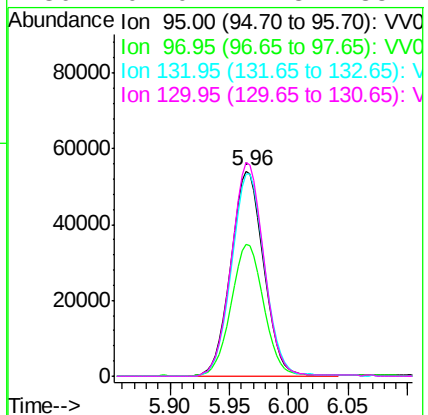
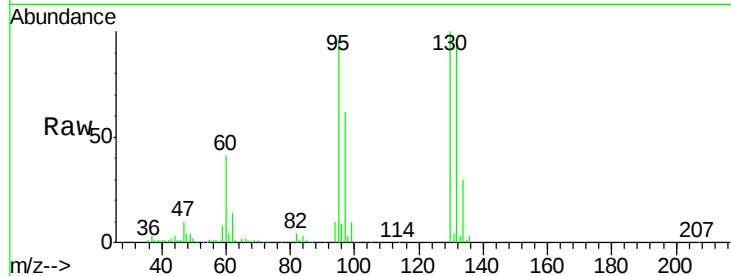




#34
 Trichloroethene
 Concen: 3.40 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV006116.D
 Acq: 31 May 2018 19:36

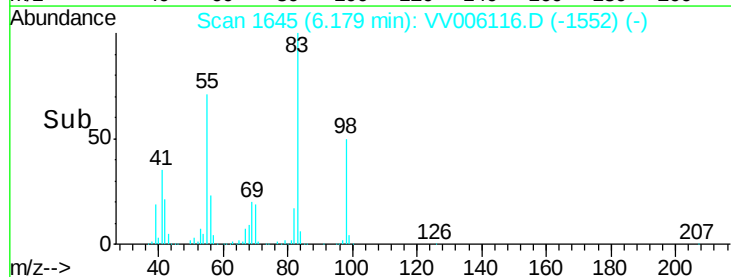
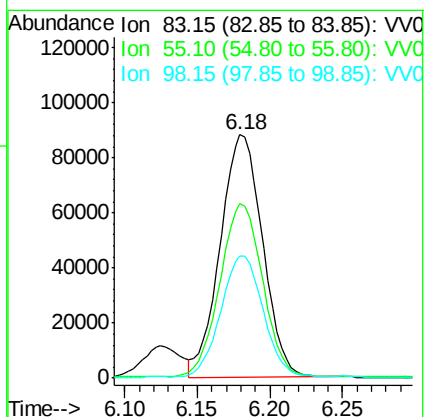
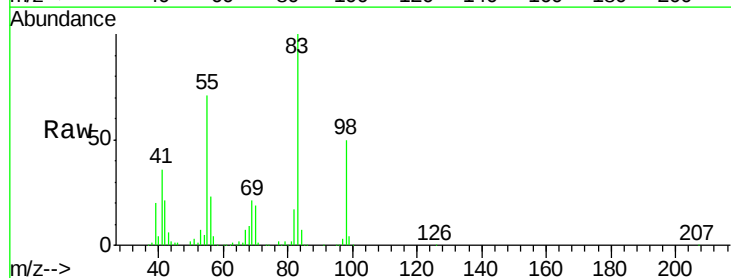
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

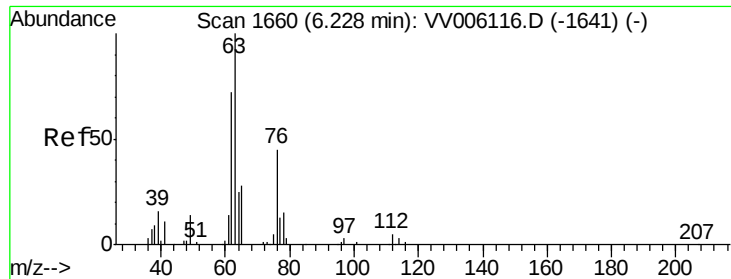
Tgt Ion:	95	Resp:	104018
Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.1	83.9
132	98.5	69.0	128.1
130	104.0	72.8	135.2



#35
 Methylcyclohexane
 Concen: 3.93 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: VV006116.D
 Acq: 31 May 2018 19:36

Tgt Ion:	83	Resp:	178722
Ion	Ratio	Lower	Upper
83	100		
55	71.9	57.5	86.3
98	49.8	39.8	59.8

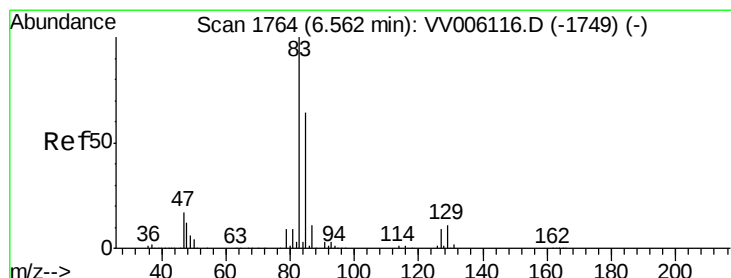
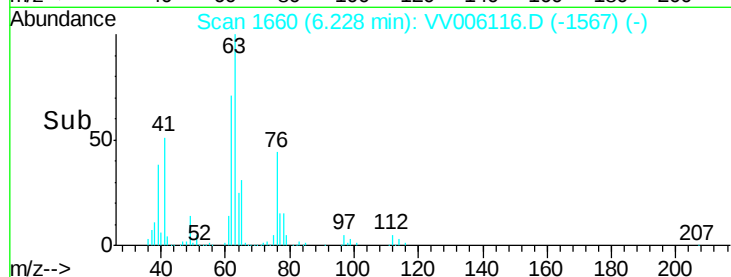
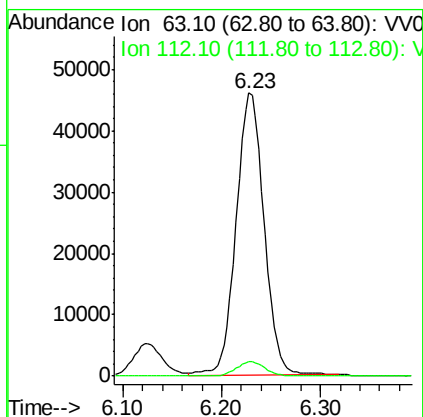
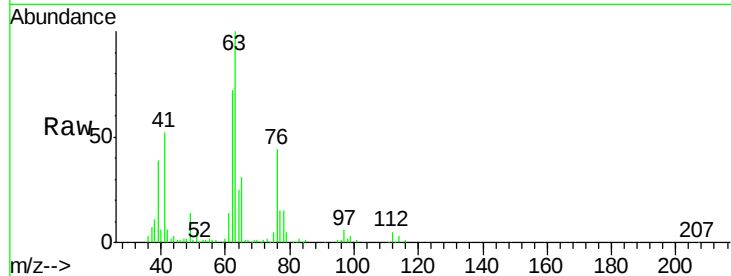




#37
 1,2-Dichloropropane
 Concen: 3.04 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006116.D
 Acq: 31 May 2018 19:36

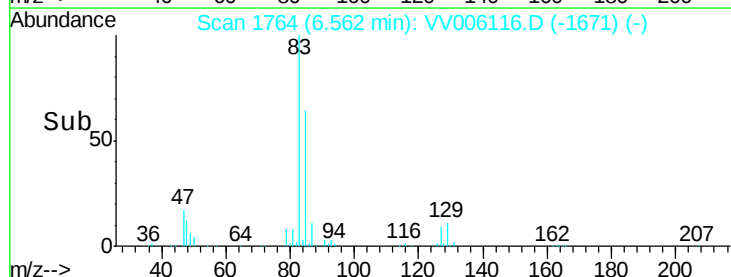
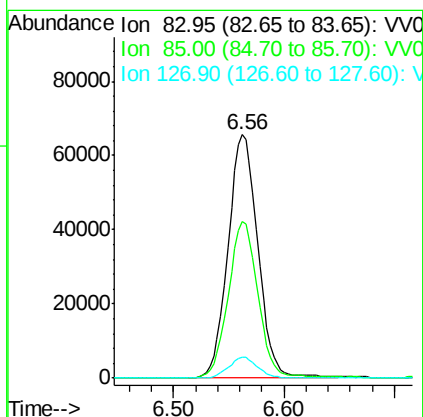
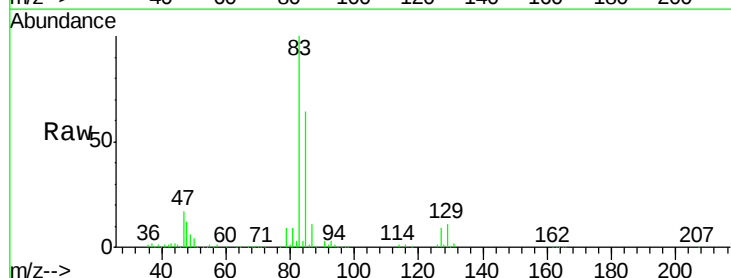
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

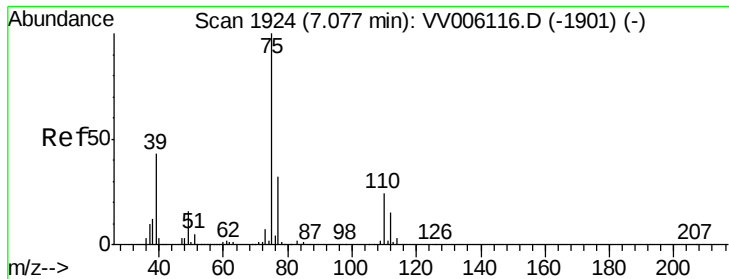
Tgt Ion: 63 Resp: 90577
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.1 6.1



#38
 Bromodichloromethane
 Concen: 3.63 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006116.D
 Acq: 31 May 2018 19:36

Tgt Ion: 83 Resp: 123411
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.9 83.5
 127 8.7 7.0 10.4

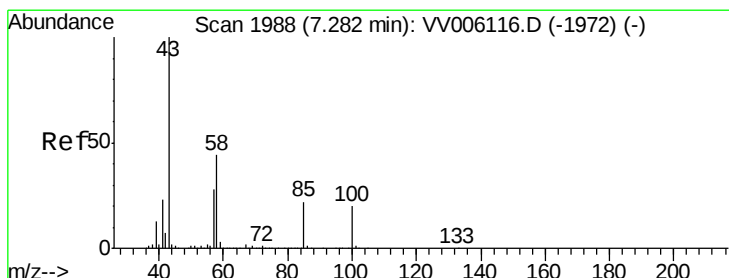
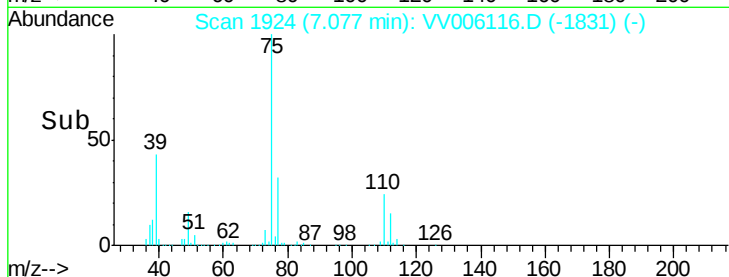
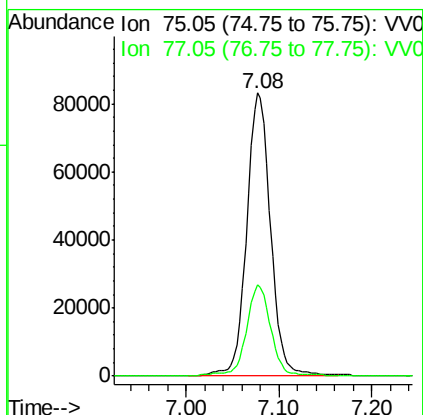
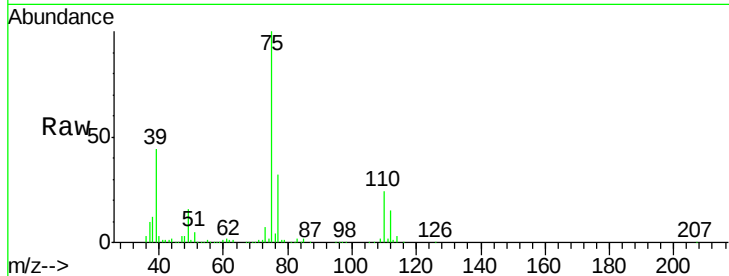




#39
 cis-1,3-Dichloropropene
 Concen: 3.80 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006116.D
 Acq: 31 May 2018 19:36

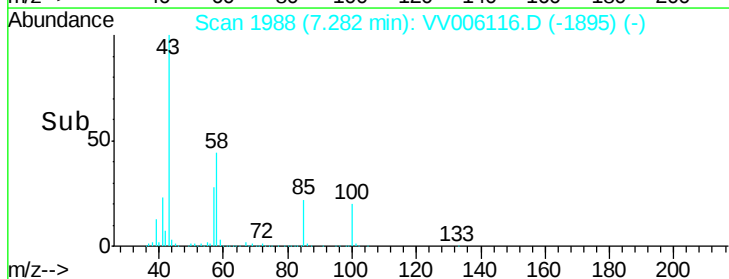
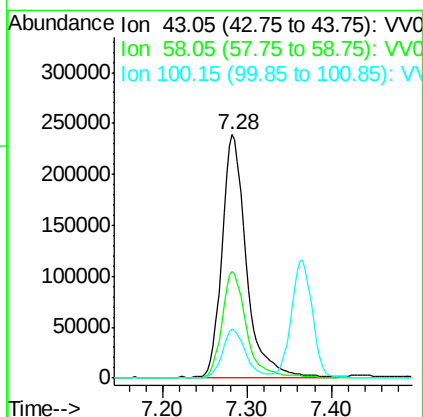
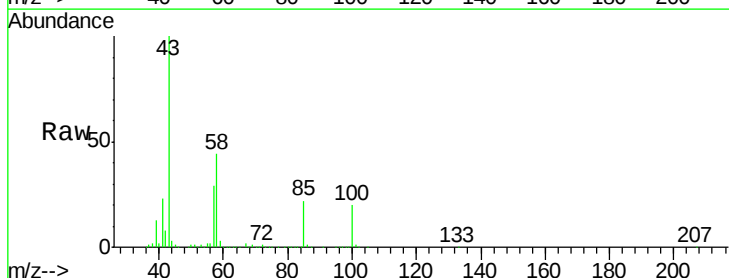
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

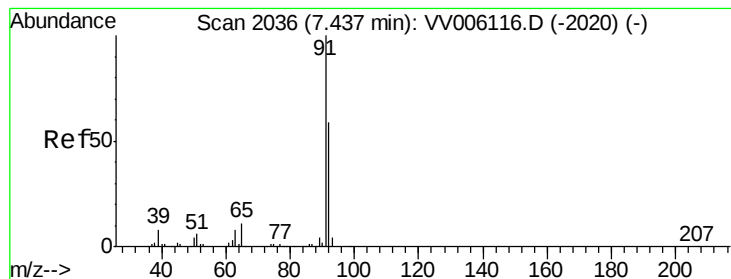
Tgt Ion: 75 Resp: 149062
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 29.88 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VV006116.D
 Acq: 31 May 2018 19:36

Tgt Ion: 43 Resp: 474044
 Ion Ratio Lower Upper
 43 100
 58 45.0 36.0 54.0
 100 19.3 15.4 23.2





#42

Toluene

Concen: 3.53 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006116.D

Acq: 31 May 2018 19:36

Instrument :

MSVOA_V

ClientSampleId :

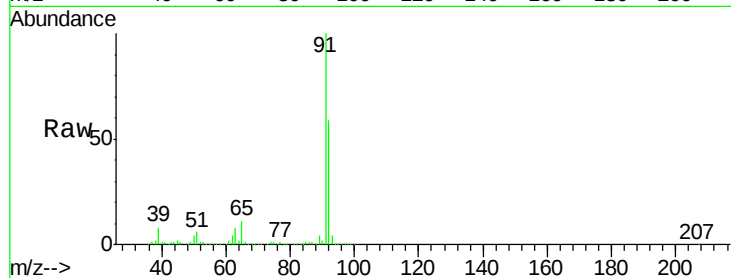
VSTD00563

Tgt Ion: 91 Resp: 418026

Ion Ratio Lower Upper

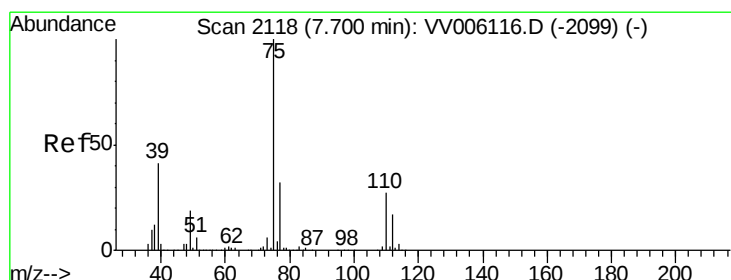
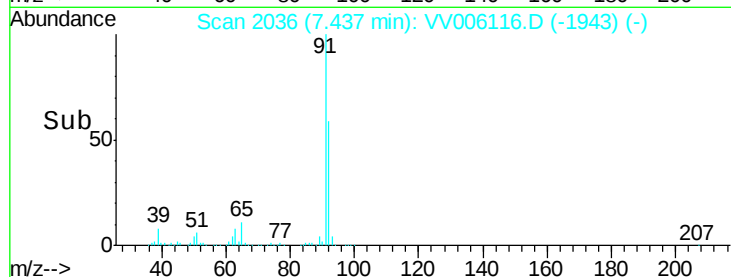
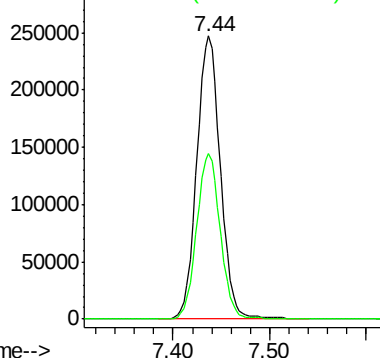
91 100

92 58.7 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 3.77 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006116.D

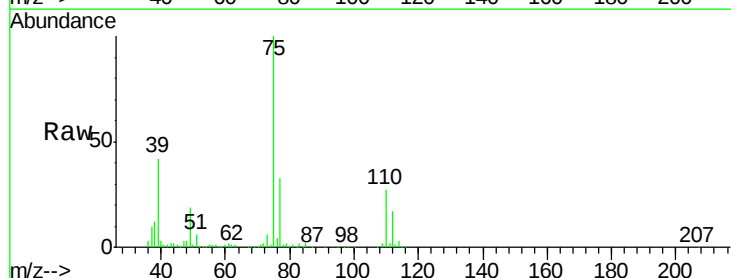
Acq: 31 May 2018 19:36

Tgt Ion: 75 Resp: 119416

Ion Ratio Lower Upper

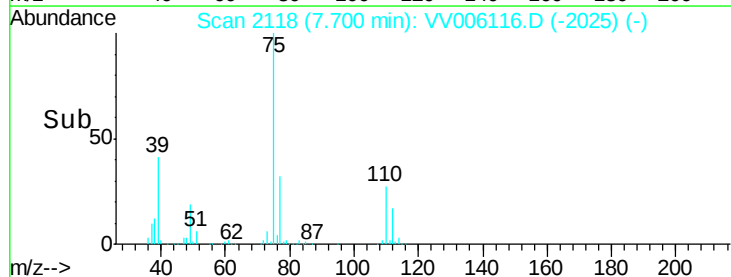
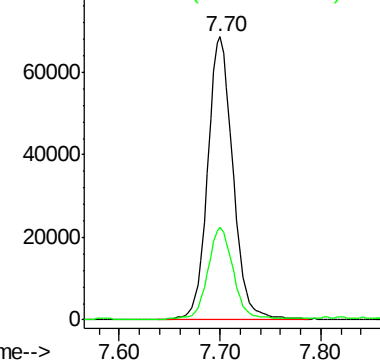
75 100

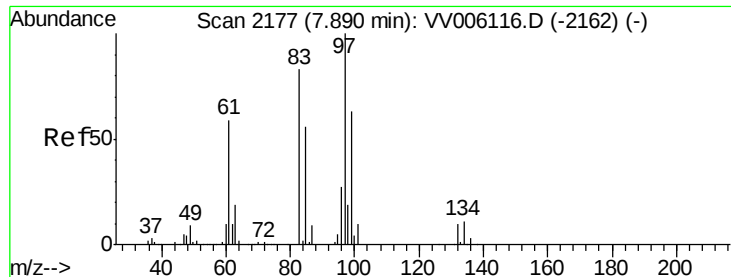
77 32.8 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

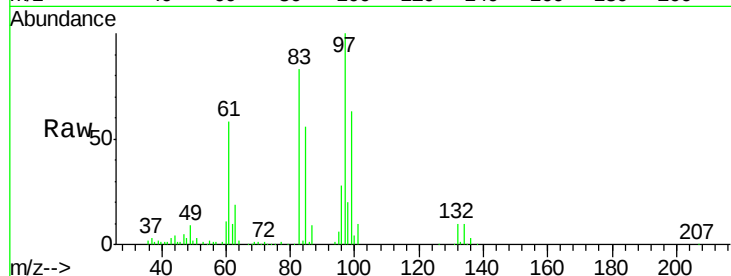




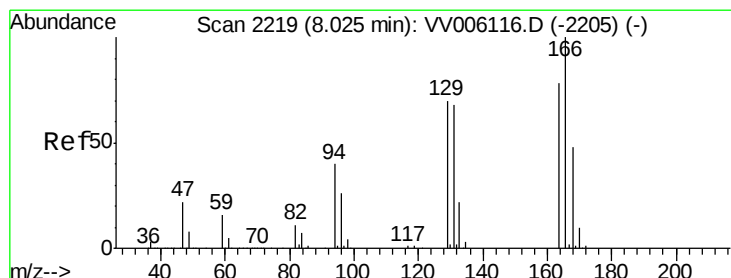
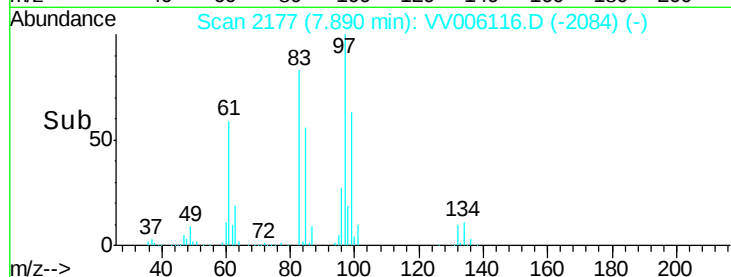
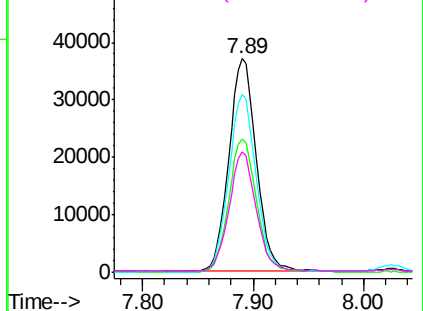
#45
 1,1,2-Trichloroethane
 Concen: 3.36 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006116.D
 Acq: 31 May 2018 19:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tgt Ion:	97	Resp:	64012
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.8	81.3
83	83.2	58.2	108.2
85	56.2	39.3	73.1

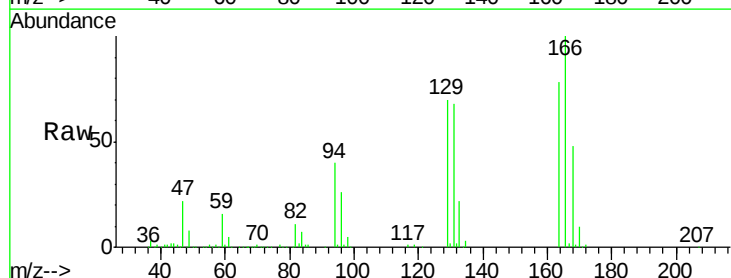


Abundance Ion 96.95 (96.65 to 97.65): VV006116.D (-2162) (-)
 Ion 99.05 (98.75 to 99.75): VV006116.D (-2162) (-)
 Ion 82.95 (82.65 to 83.65): VV006116.D (-2162) (-)
 Ion 85.00 (84.70 to 85.70): VV006116.D (-2162) (-)

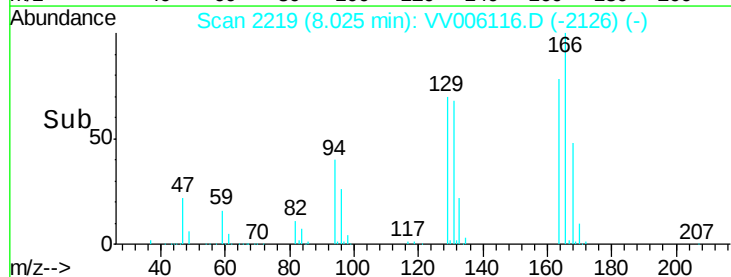
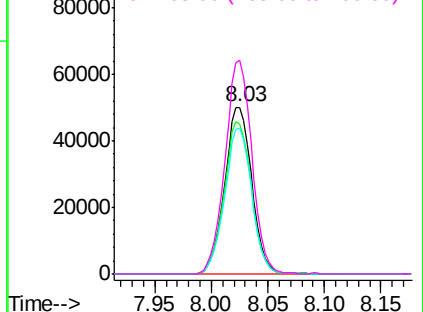


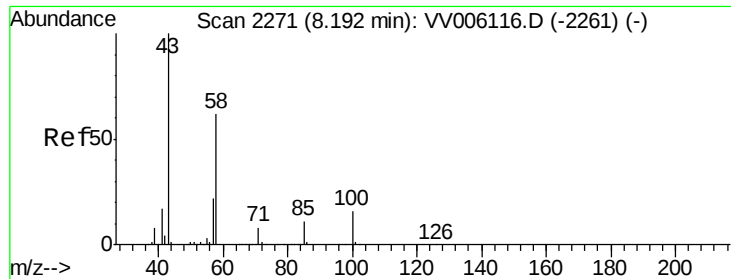
#47
 Tetrachloroethene
 Concen: 3.42 ug/L
 RT: 8.03 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VV006116.D
 Acq: 31 May 2018 19:36

Tgt Ion:	164	Resp:	84114
Ion	Ratio	Lower	Upper
164	100		
129	89.6	62.7	116.5
131	87.1	61.0	113.2
166	127.9	89.5	166.3



Abundance Ion 163.90 (163.60 to 164.60): VV006116.D (-2205) (-)
 Ion 128.95 (128.65 to 129.65): VV006116.D (-2205) (-)
 Ion 130.95 (130.65 to 131.65): VV006116.D (-2205) (-)
 Ion 165.90 (165.60 to 166.60): VV006116.D (-2205) (-)

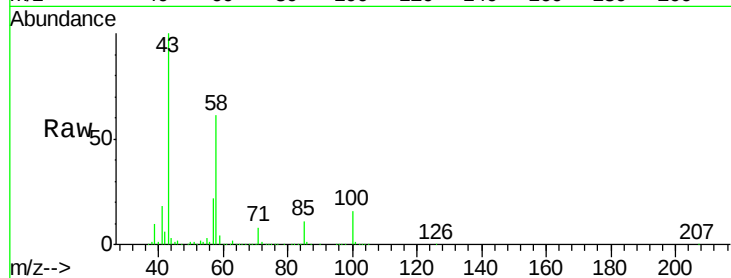




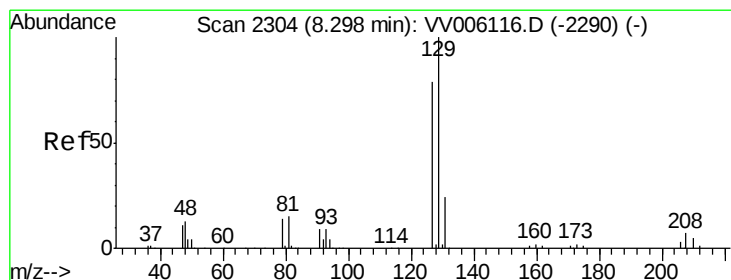
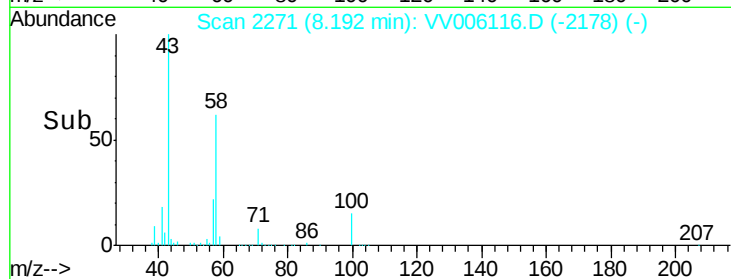
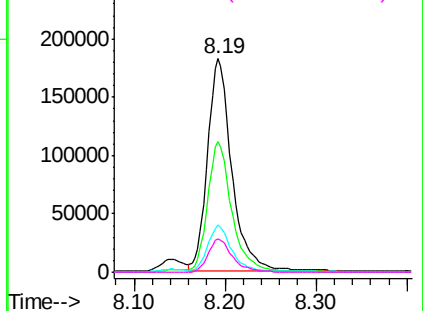
#48
2-Hexanone
Concen: 29.91 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006116.D
Acq: 31 May 2018 19:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Tgt Ion: 43 Resp: 337003
Ion Ratio Lower Upper
43 100
58 60.7 48.6 72.8
57 21.9 17.5 26.3
100 15.7 12.6 18.8

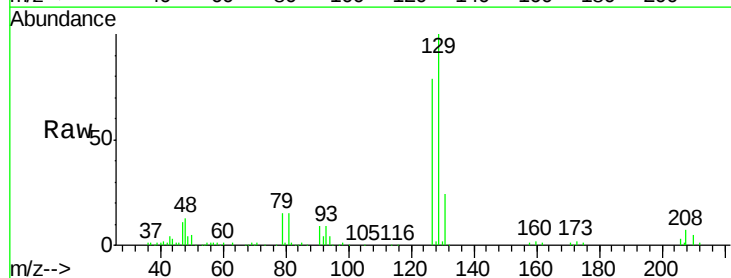


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

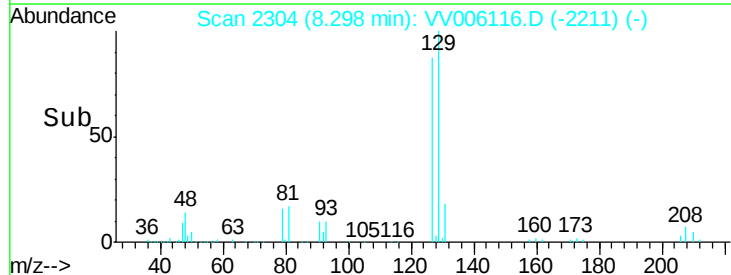
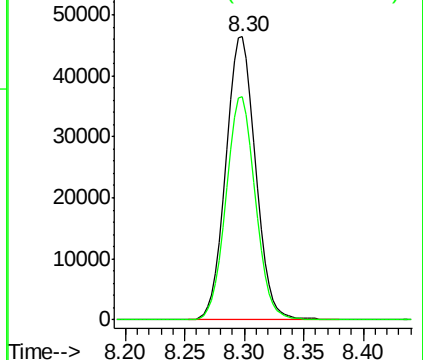


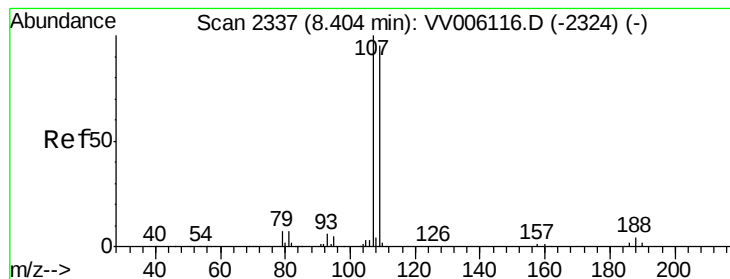
#49
Dibromochloromethane
Concen: 3.63 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006116.D
Acq: 31 May 2018 19:36

Tgt Ion: 129 Resp: 80434
Ion Ratio Lower Upper
129 100
127 78.8 55.2 102.4



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 3.41 ug/L

RT: 8.40 min Scan# 2337

Delta R.T. 0.00 min

Lab File: VV006116.D

Acq: 31 May 2018 19:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

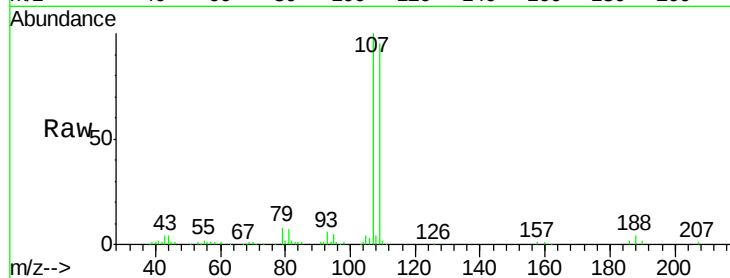
Tgt Ion:107 Resp: 59976

Ion Ratio Lower Upper

107 100

109 95.5 66.8 124.2

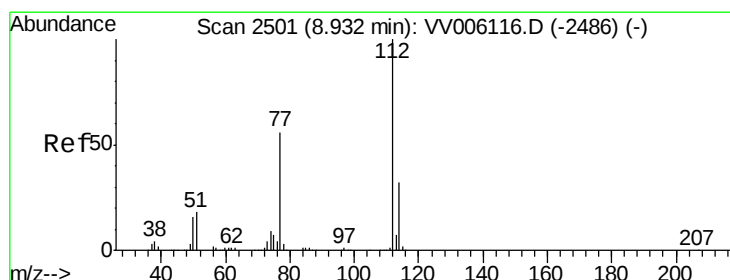
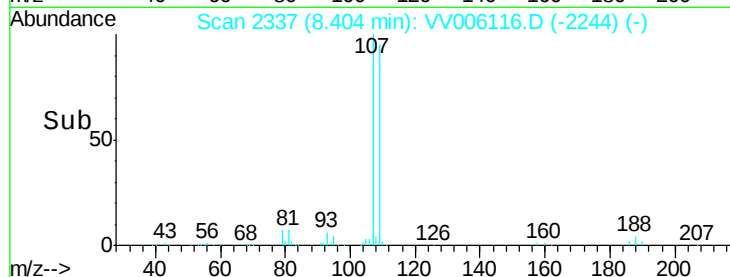
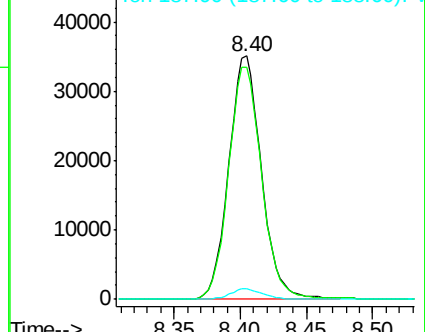
188 4.2 3.4 5.0



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 3.51 ug/L

RT: 8.93 min Scan# 2501

Delta R.T. 0.00 min

Lab File: VV006116.D

Acq: 31 May 2018 19:36

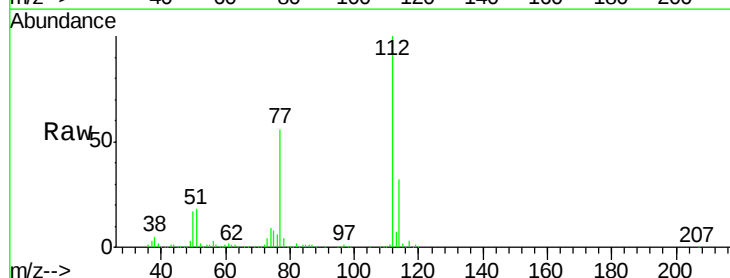
Tgt Ion:112 Resp: 270676

Ion Ratio Lower Upper

112 100

114 31.7 22.2 41.2

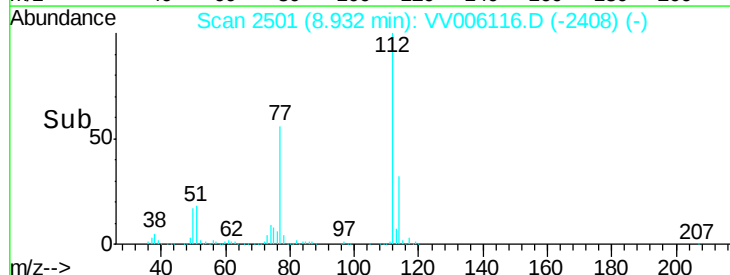
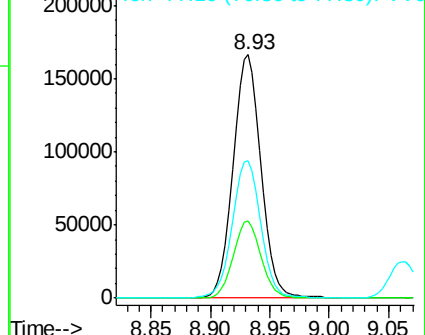
77 56.5 45.2 67.8

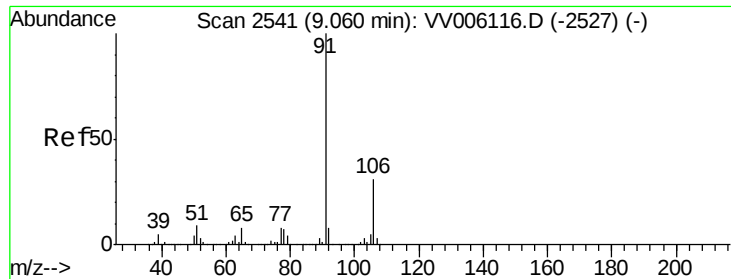


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 3.75 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006116.D

Acq: 31 May 2018 19:36

Instrument :

MSVOA_V

ClientSampleId :

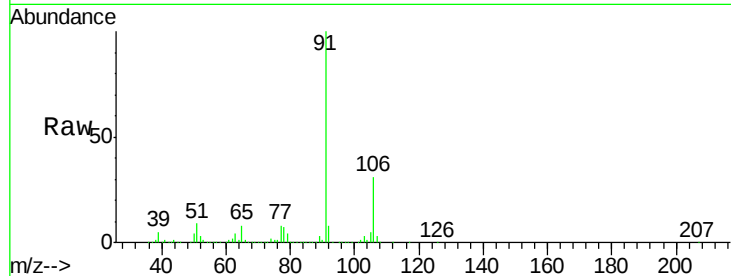
VSTD00563

Tgt Ion: 91 Resp: 469836

Ion Ratio Lower Upper

91 100

106 31.3 21.9 40.7



Abundance Ion 91.15 (90.85 to 91.85): VV006116.D (-2527) (-)

Ion 106.15 (105.85 to 106.85): VV006116.D (-2527) (-)

9.06

300000

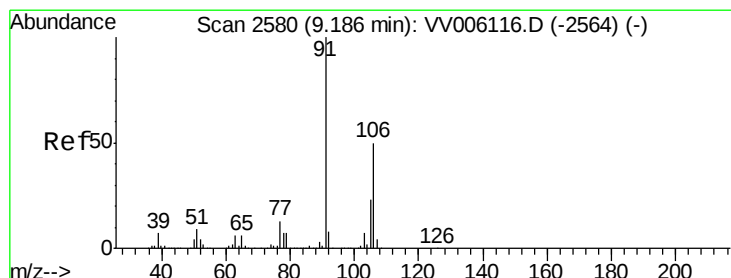
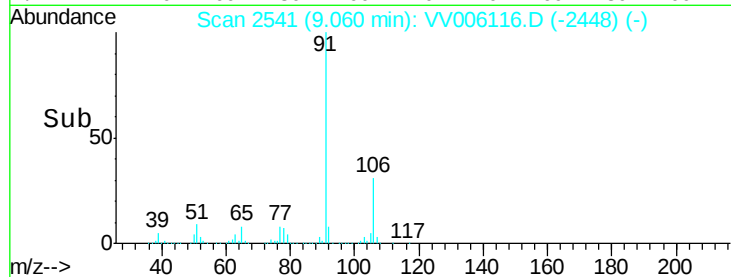
200000

100000

0

Time-->

9.00 9.05 9.10 9.15



#53

m,p-xylene

Concen: 3.80 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006116.D

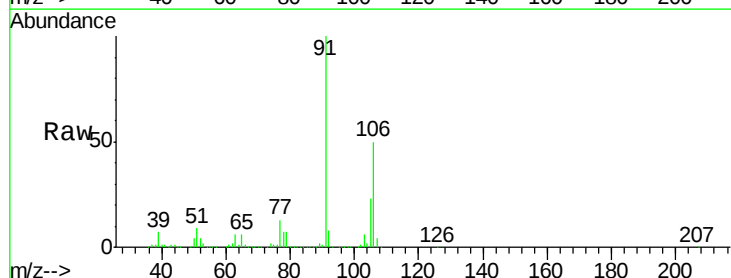
Acq: 31 May 2018 19:36

Tgt Ion: 106 Resp: 180743

Ion Ratio Lower Upper

106 100

91 199.5 139.7 259.4



Abundance Ion 106.15 (105.85 to 106.85): VV006116.D (-2580) (-)

Ion 91.15 (90.85 to 91.85): VV006116.D (-2580) (-)

9.19

250000

200000

150000

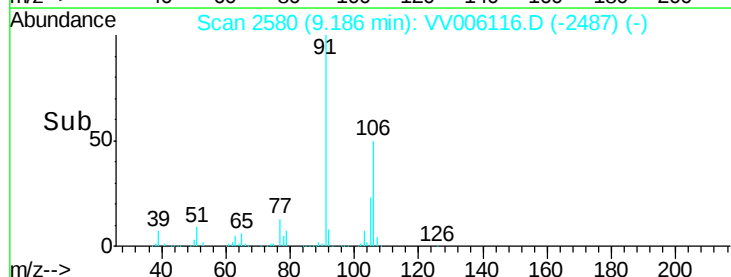
100000

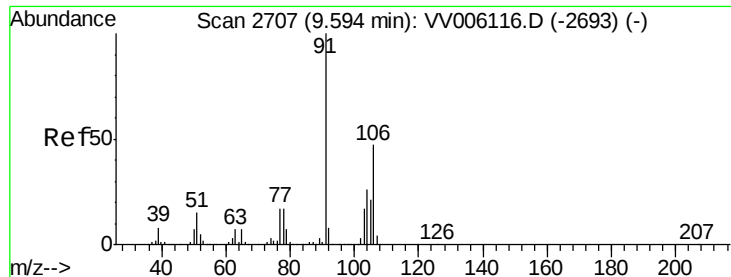
50000

0

Time-->

9.10 9.15 9.20 9.25





#54

o-xylene

Concen: 3.90 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006116.D

Acq: 31 May 2018 19:36

Instrument :

MSVOA_V

ClientSampleId :

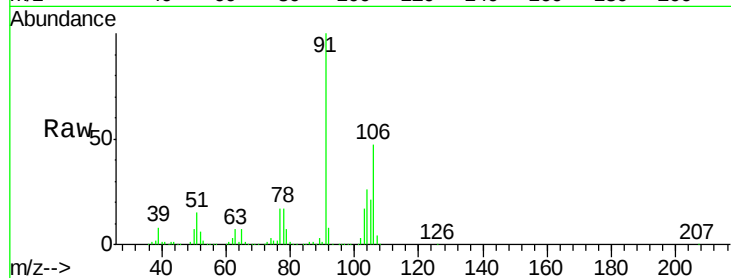
VSTD00563

Tgt Ion:106 Resp: 180110

Ion Ratio Lower Upper

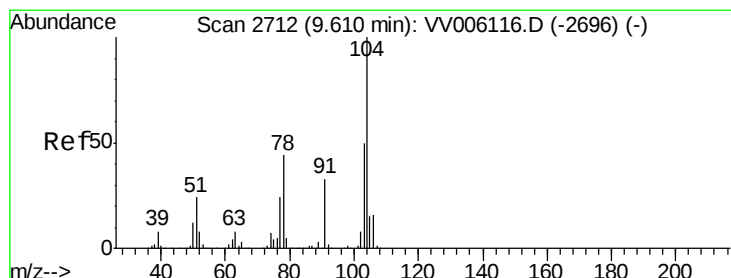
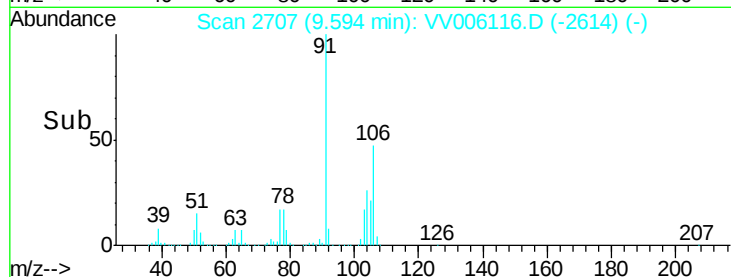
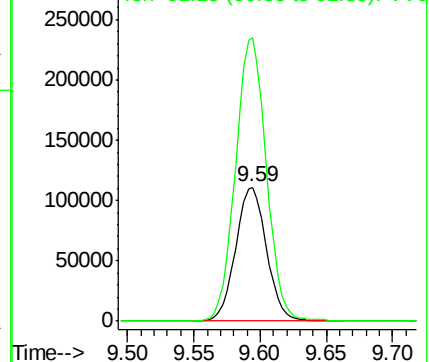
106 100

91 211.3 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 3.85 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006116.D

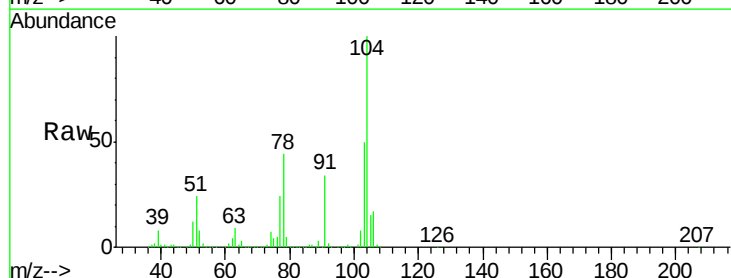
Acq: 31 May 2018 19:36

Tgt Ion:104 Resp: 296266

Ion Ratio Lower Upper

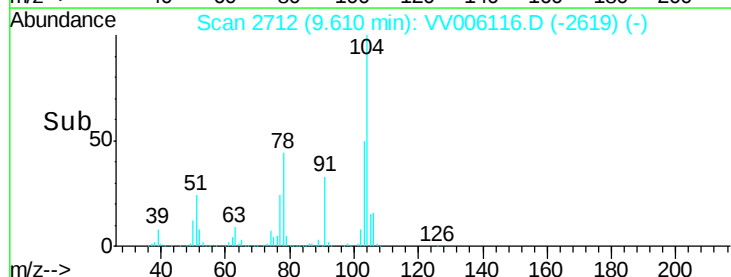
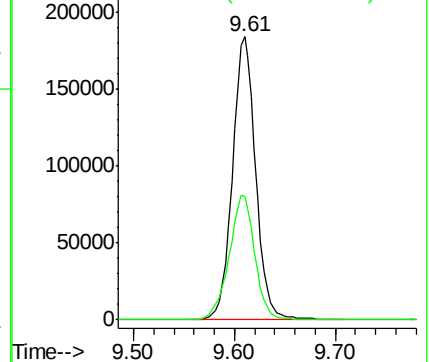
104 100

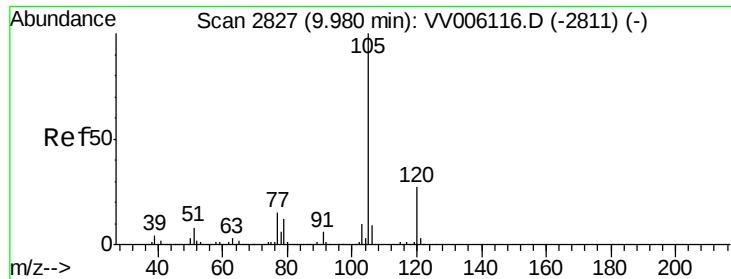
78 43.7 30.6 56.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 3.94 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006116.D

Acq: 31 May 2018 19:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

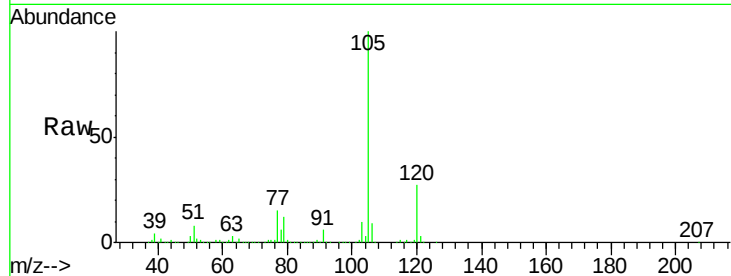
Tgt Ion: 105 Resp: 473781

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

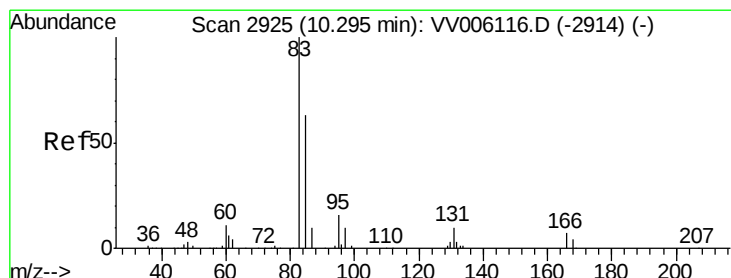
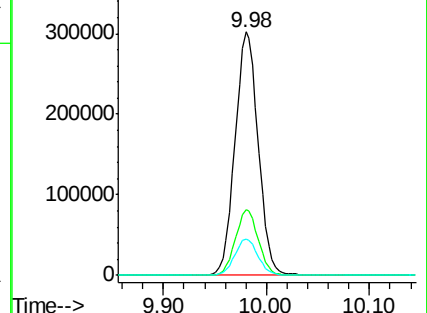
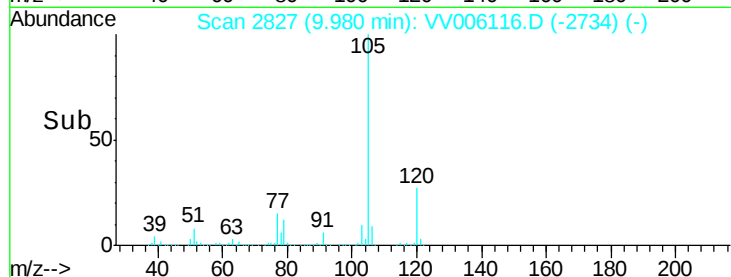
77 14.9 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 3.29 ug/L

RT: 10.30 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VV006116.D

Acq: 31 May 2018 19:36

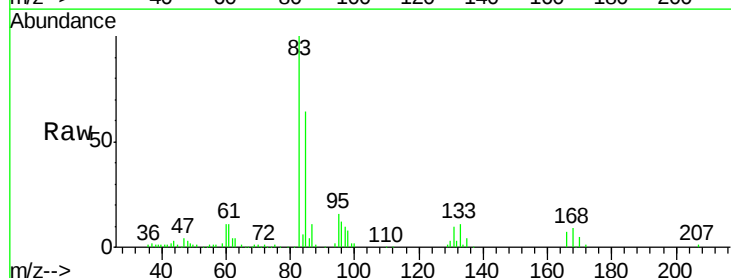
Tgt Ion: 83 Resp: 72820

Ion Ratio Lower Upper

83 100

85 64.3 45.0 83.6

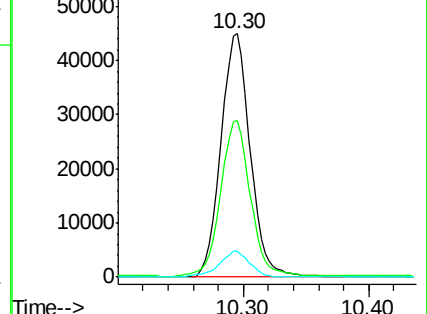
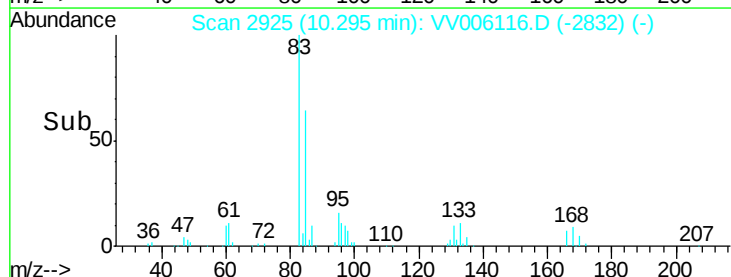
131 10.4 8.3 12.5

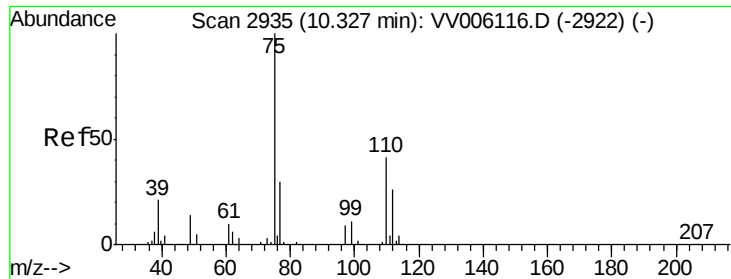


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 3.17 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV006116.D

Acq: 31 May 2018 19:36

Instrument :

MSVOA_V

ClientSampleId :

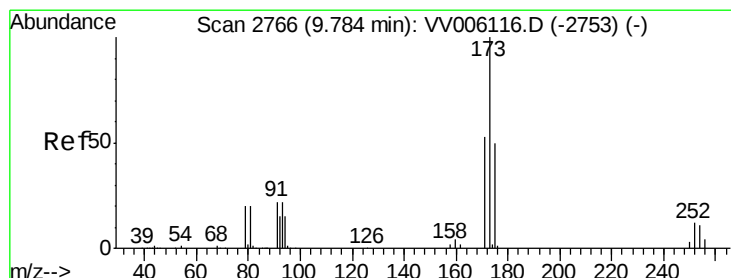
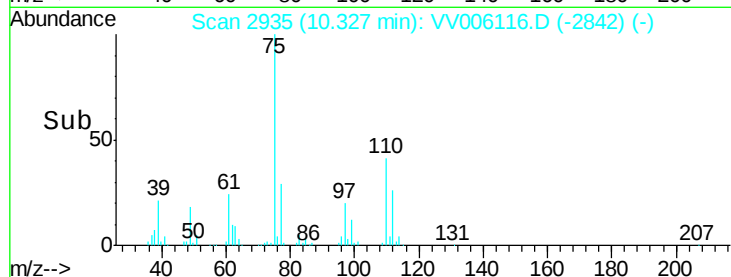
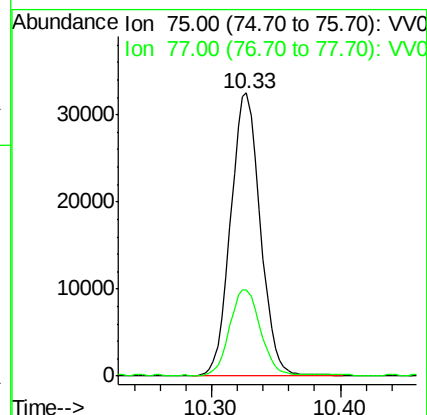
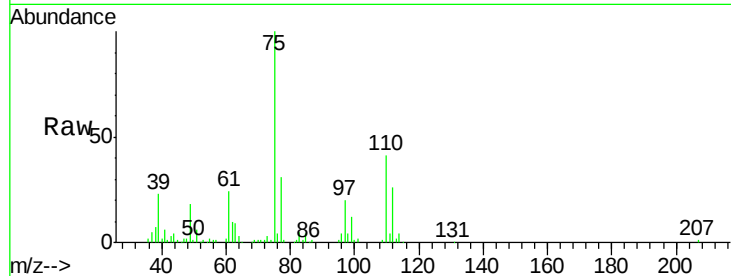
VSTD00563

Tgt Ion: 75 Resp: 51875

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



#61

Bromoform

Concen: 3.65 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV006116.D

Acq: 31 May 2018 19:36

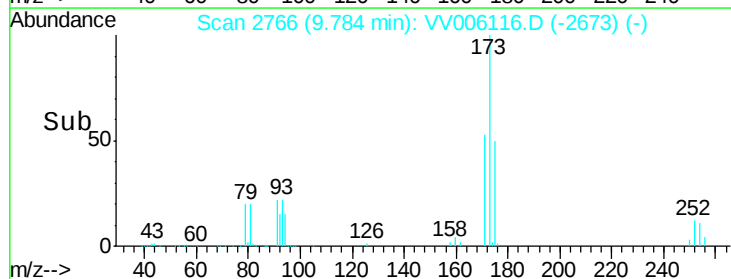
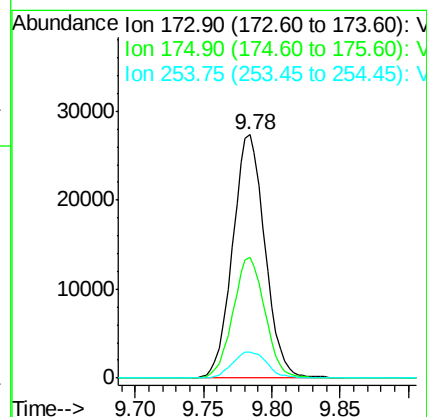
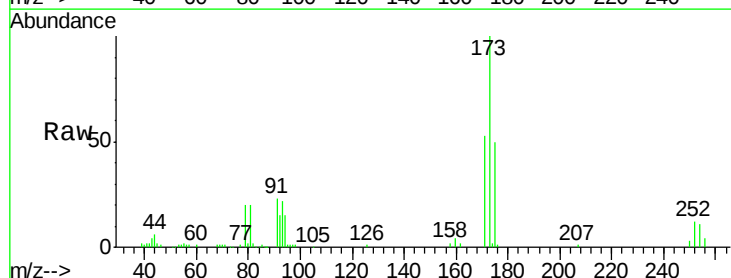
Tgt Ion: 173 Resp: 45013

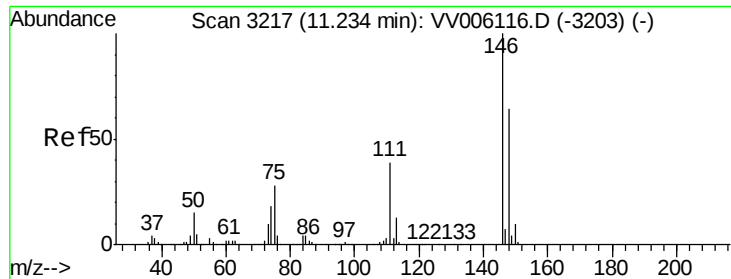
Ion Ratio Lower Upper

173 100

175 49.1 39.3 58.9

254 11.4 9.1 13.7





#62

1,3-Dichlorobenzene

Concen: 3.63 ug/L

RT: 11.23 min Scan# 3217

Delta R.T. 0.00 min

Lab File: VV006116.D

Acq: 31 May 2018 19:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

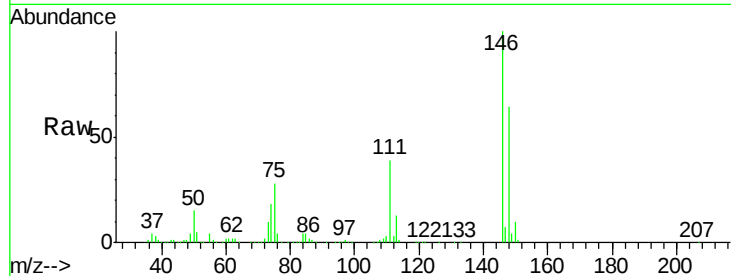
Tgt Ion:146 Resp: 207787

Ion Ratio Lower Upper

146 100

111 39.4 27.6 51.2

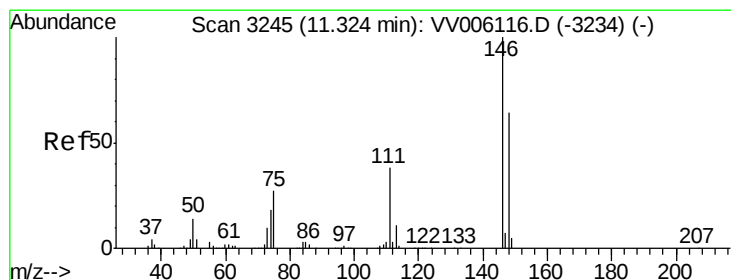
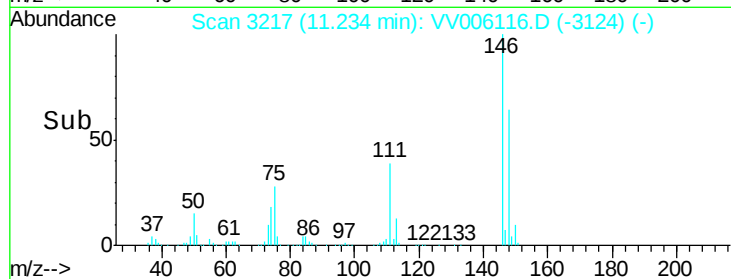
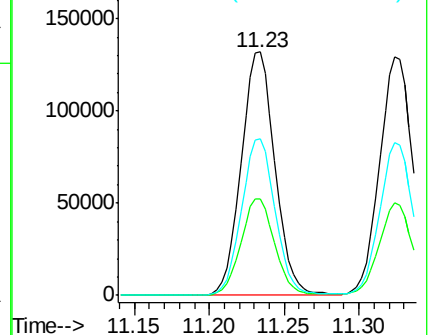
148 64.4 45.1 83.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 3.50 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006116.D

Acq: 31 May 2018 19:36

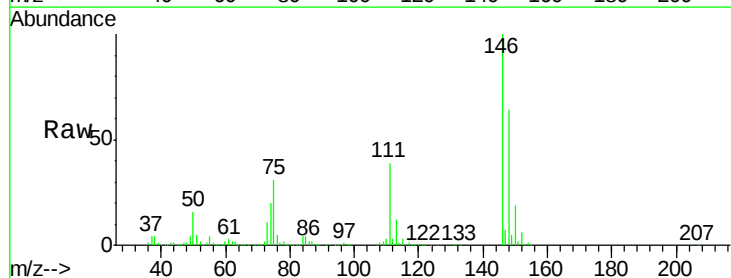
Tgt Ion:146 Resp: 204294

Ion Ratio Lower Upper

146 100

111 38.5 26.9 50.1

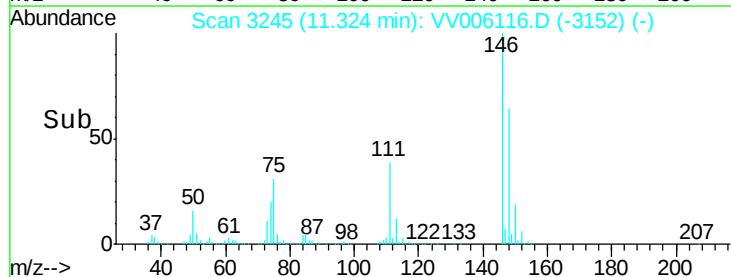
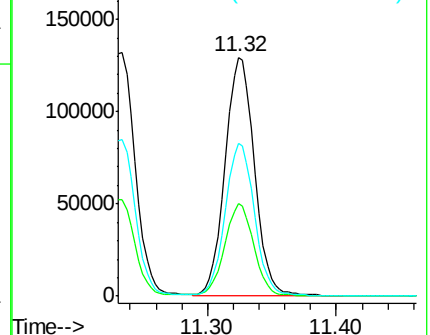
148 64.0 44.8 83.2

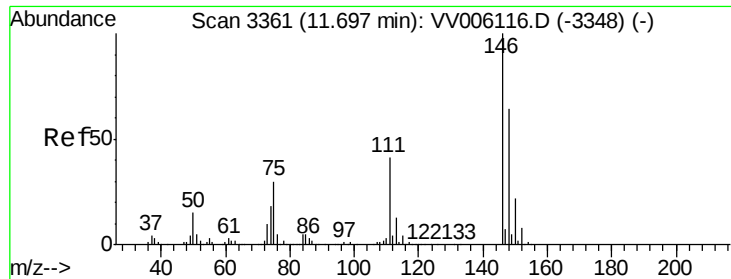


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 3.49 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006116.D

Acq: 31 May 2018 19:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

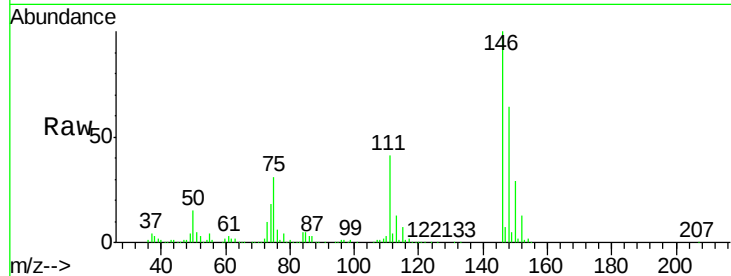
Tgt Ion:146 Resp: 193090

Ion Ratio Lower Upper

146 100

111 41.0 32.8 49.2

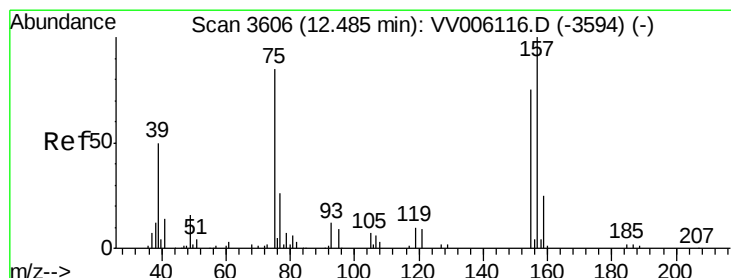
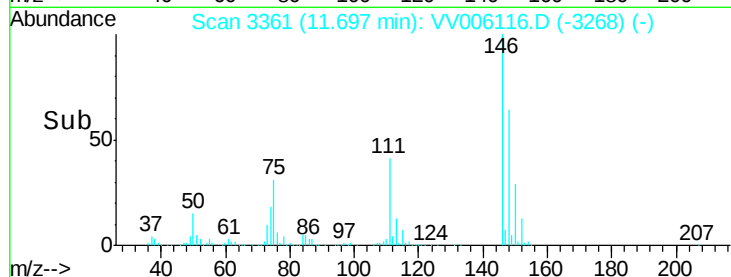
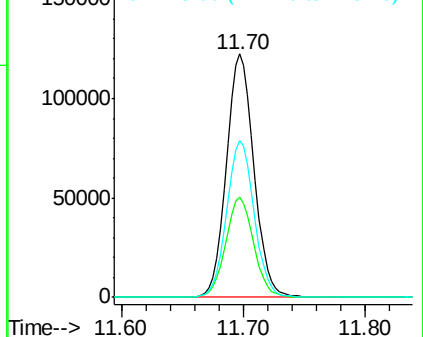
148 64.3 51.4 77.2



Abundance Ion 145.95 (145.65 to 146.65): 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: 4.05 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV006116.D

Acq: 31 May 2018 19:36

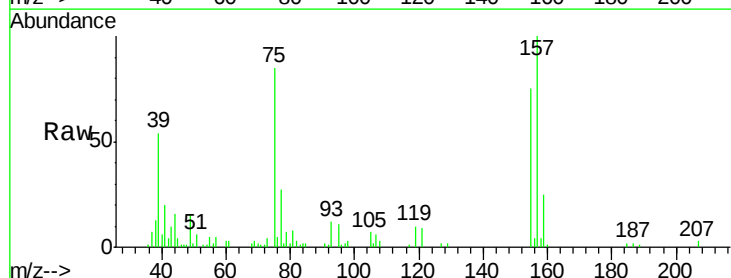
Tgt Ion: 75 Resp: 12949

Ion Ratio Lower Upper

75 100

155 87.9 70.3 105.5

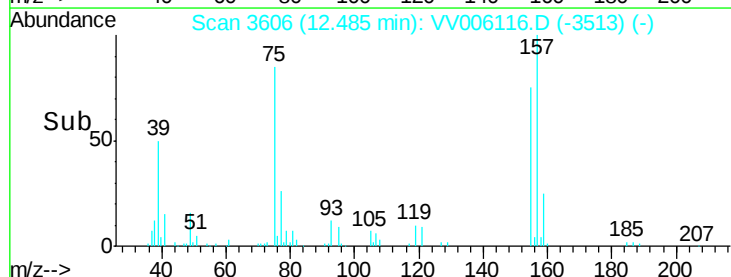
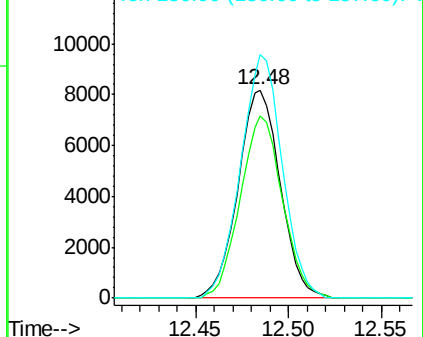
157 117.2 93.8 140.6

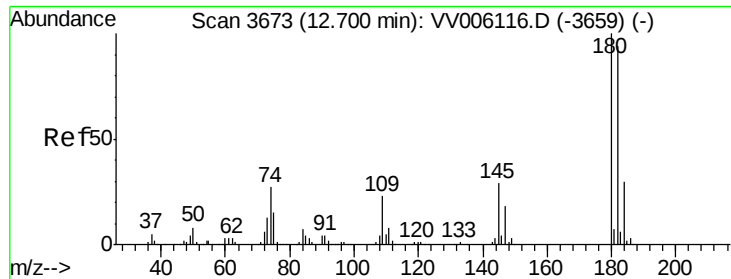


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

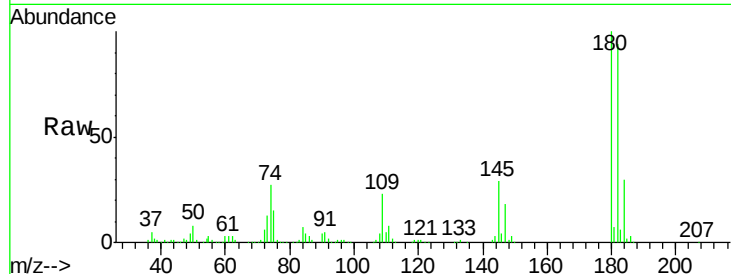




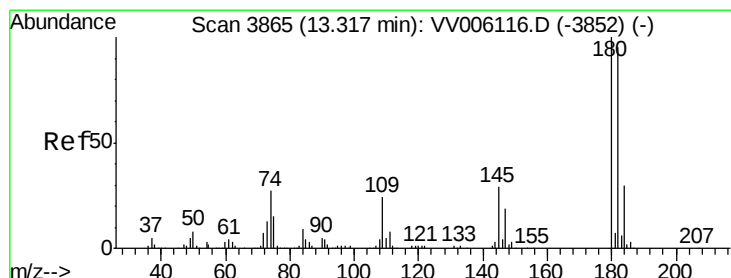
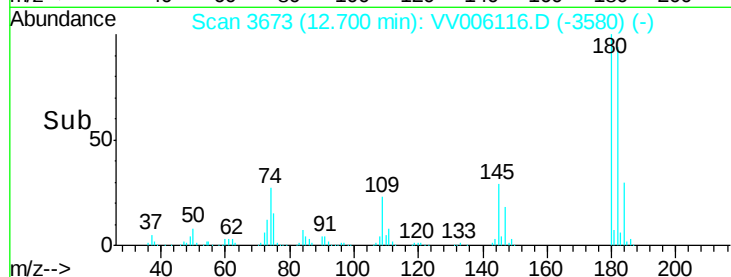
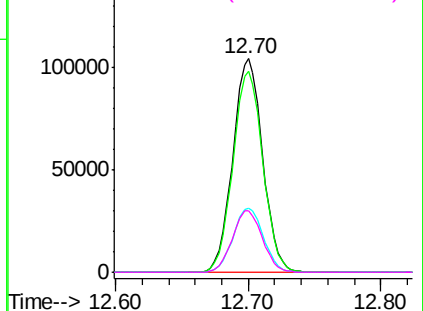
#67
 1,3,5-Trichlorobenzene
 Concen: 3.58 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006116.D
 Acq: 31 May 2018 19:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tgt Ion:180 Resp: 162317
 Ion Ratio Lower Upper
 180 100
 182 94.3 75.4 113.2
 184 30.4 24.3 36.5
 145 28.9 23.1 34.7

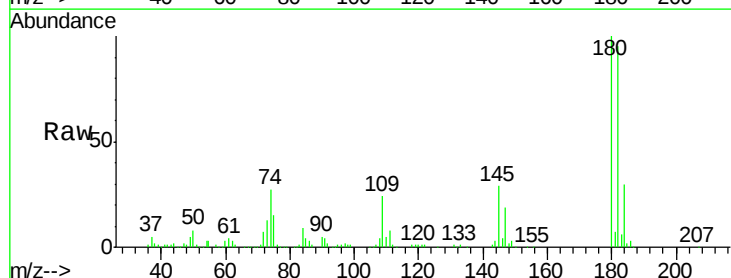


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

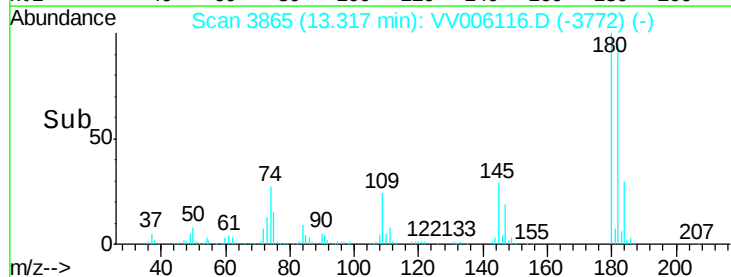
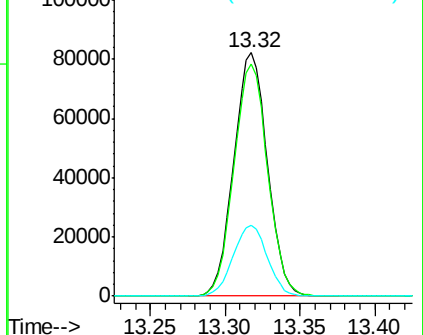


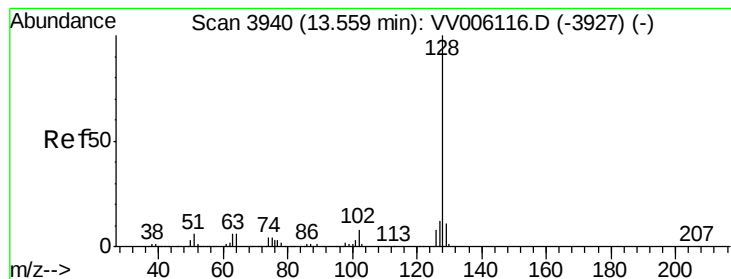
#68
 1,2,4-trichlorobenzene
 Concen: 3.66 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006116.D
 Acq: 31 May 2018 19:36

Tgt Ion:180 Resp: 128391
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.7 115.1
 145 29.6 23.7 35.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.26 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006116.D

Acq: 31 May 2018 19:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

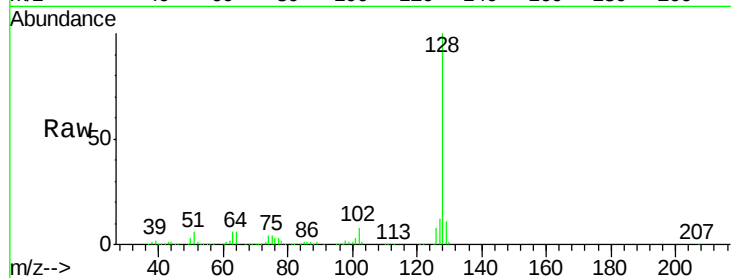
Tgt Ion:128 Resp: 221348

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

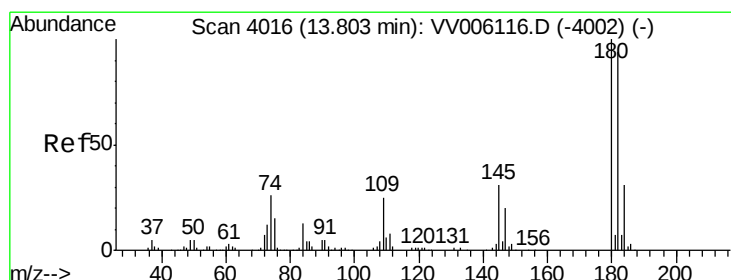
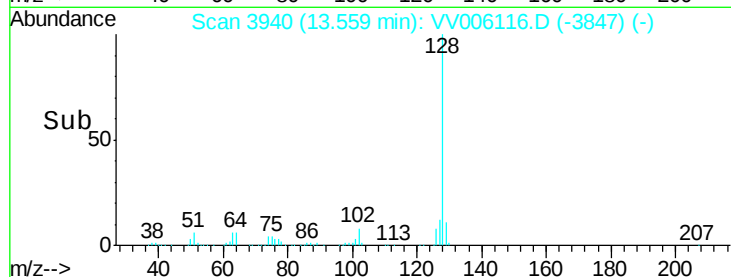
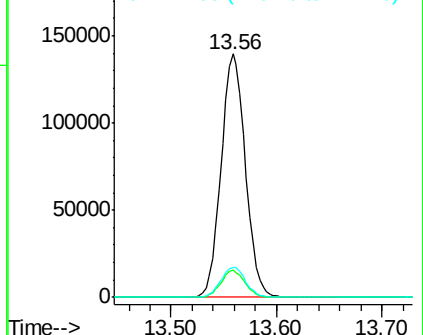
127 12.6 10.1 15.1



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: 3.58 ug/L

RT: 13.80 min Scan# 4016

Delta R.T. 0.00 min

Lab File: VV006116.D

Acq: 31 May 2018 19:36

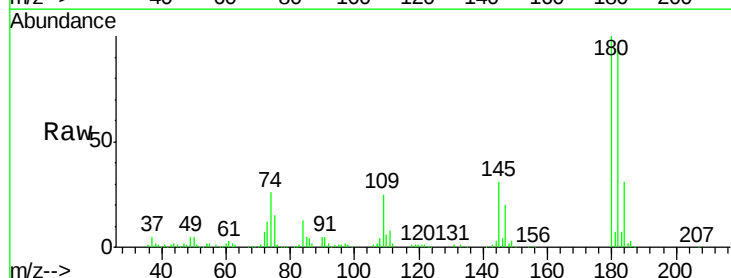
Tgt Ion:180 Resp: 117586

Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

145 31.2 25.0 37.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

