

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062518\
 Data File : VV006428.D
 Acq On : 25 Jun 2018 12:12
 Operator : SY/MD
 Sample : VSTD01083
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01083

Quant Time: Jun 26 06:02:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 26 06:00:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	338122	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	307112	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	152002	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	217143	9.77	ug/L	0.00
7) Chloroethane-d5	1.58	69	174965	9.77	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	382180	9.71	ug/L	0.00
20) 2-Butanone-d5	3.98	46	421236	103.78	ug/L	0.00
24) Chloroform-d	4.41	84	373385	9.85	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	175508	9.90	ug/L	0.00
32) Benzene-d6	5.11	84	794723	9.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	235491	9.88	ug/L	0.00
41) Toluene-d8	7.37	98	761261	10.04	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	90615	10.33	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	393532	113.18	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	153365	10.49	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	275513	9.75	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	240923	9.721 ug/L	100
3) Chloromethane	1.26	50	239178	9.416 ug/L	99
5) Vinyl chloride	1.32	62	263453	9.547 ug/L	99
6) Bromomethane	1.54	94	153366	9.595 ug/L	99
8) Chloroethane	1.60	64	162360	9.275 ug/L	99
9) Trichlorofluoromethane	1.77	101	318796	9.610 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	202694	9.728 ug/L	100
12) 1,1-Dichloroethene	2.14	96	194423	9.508 ug/L	99
13) Acetone	2.23	43	261703	102.487 ug/L	99
14) Carbon disulfide	2.32	76	551206	9.546 ug/L	100
15) Methyl Acetate	2.48	43	74555	9.916 ug/L	99
16) Methylene chloride	2.54	84	210757	8.800 ug/L	98
17) Methyl tert-butyl Ether	2.82	73	477016	9.625 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	212510	9.493 ug/L	100
19) 1,1-Dichloroethane	3.23	63	376384	9.440 ug/L	99
21) 2-Butanone	4.06	43	441596	100.243 ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	237092	9.631 ug/L	99
23) Bromochloromethane	4.31	128	96762	9.674 ug/L	98
25) Chloroform	4.44	83	386379	9.615 ug/L	100
27) 1,2-Dichloroethane	5.19	62	215959	9.564 ug/L	100
29) 1,1,1-Trichloroethane	4.67	97	324050	9.676 ug/L	100
30) Cyclohexane	4.73	56	330890	9.885 ug/L	100
31) Carbon tetrachloride	4.88	117	274378	9.767 ug/L	99
33) Benzene	5.15	78	872326	9.618 ug/L	100
34) Trichloroethene	5.96	95	238959	9.210 ug/L	100
35) Methylcyclohexane	6.18	83	381693	10.117 ug/L	100
37) 1,2-Dichloropropane	6.23	63	212972	9.609 ug/L	99
38) Bromodichloromethane	6.56	83	251668	9.865 ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	314206	10.187 ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	1072328	99.428 ug/L	100

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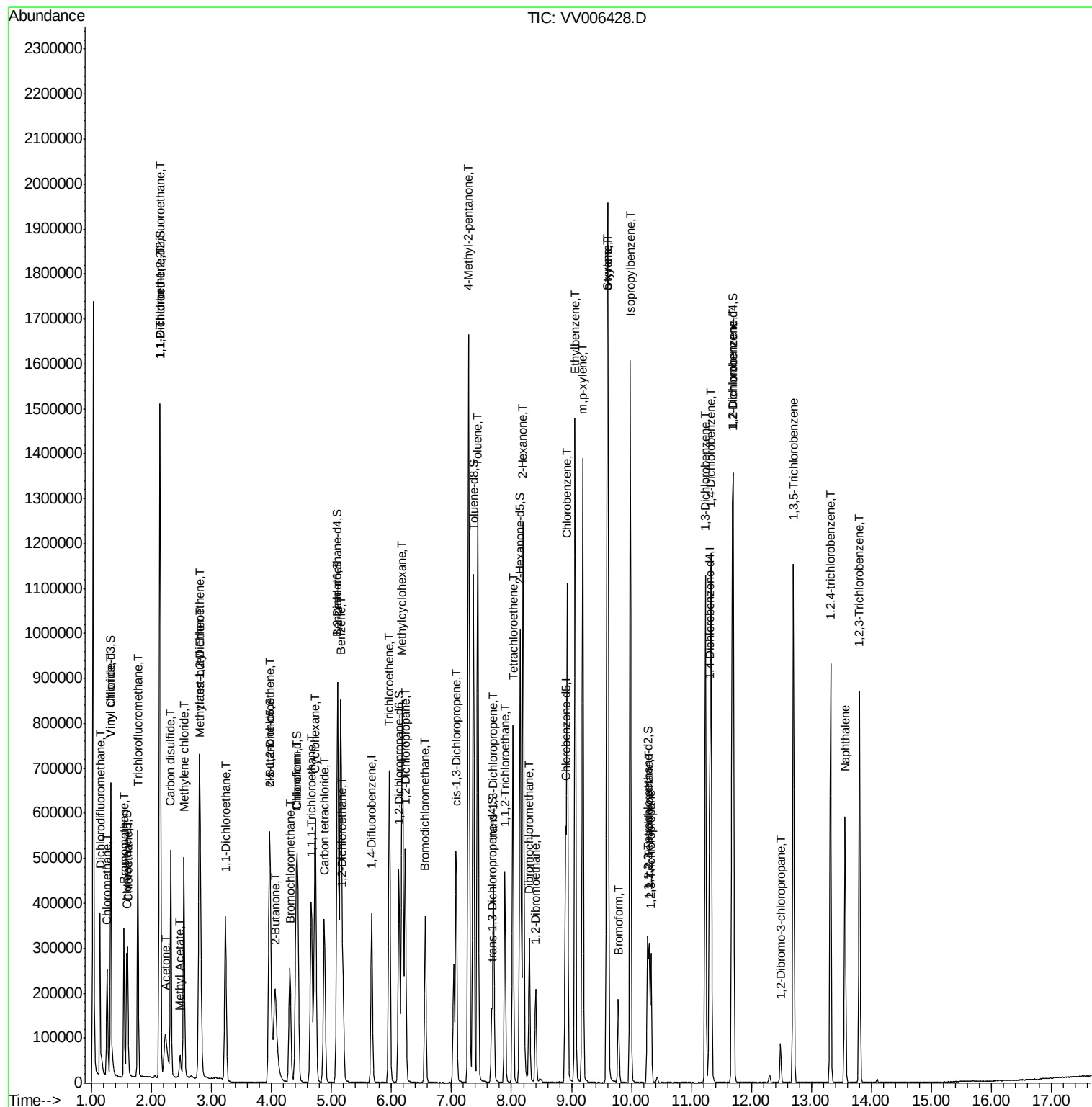
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	930430	9.687	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	248093	10.256	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	147248	9.619	ug/L	99
47) Tetrachloroethene	8.03	164	186325	9.505	ug/L	99
48) 2-Hexanone	8.19	43	763052	98.344	ug/L	99
49) Dibromochloromethane	8.30	129	167249	10.249	ug/L	98
50) 1,2-Dibromoethane	8.40	107	138125	10.037	ug/L	99
51) Chlorobenzene	8.93	112	613591	9.655	ug/L	100
52) Ethylbenzene	9.06	91	1034730	9.951	ug/L	100
53) m,p-xylene	9.19	106	401110	10.002	ug/L	100
54) o-xylene	9.59	106	391007	9.939	ug/L	100
55) Styrene	9.61	104	660392	10.260	ug/L	99
56) Isopropylbenzene	9.98	105	1037206	10.117	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	146035	10.115	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	118307	9.813	ug/L	100
61) Bromoform	9.78	173	83962	9.843	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	483107	9.649	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	477843	9.542	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	449902	9.601	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	20536	10.313	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	371897	9.776	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	296489	10.628	ug/L	99
69) Naphthalene	13.56	128	471375	11.560	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	273541	10.533	ug/L	100

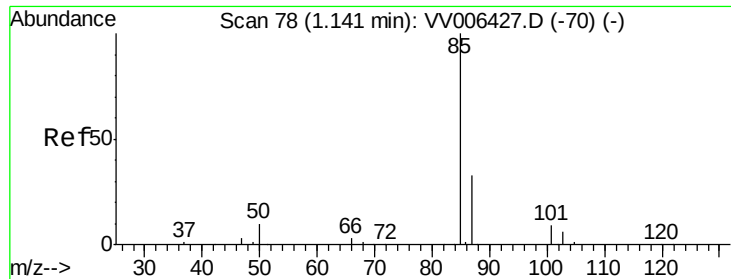
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 9.721 ug/L

RT: 1.14 min Scan# 78

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

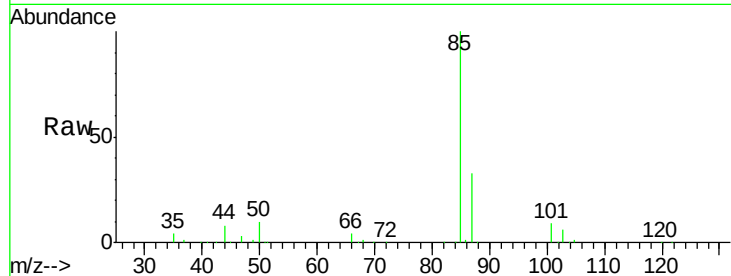
VSTD01083

Tgt Ion: 85 Resp: 240923

Ion Ratio Lower Upper

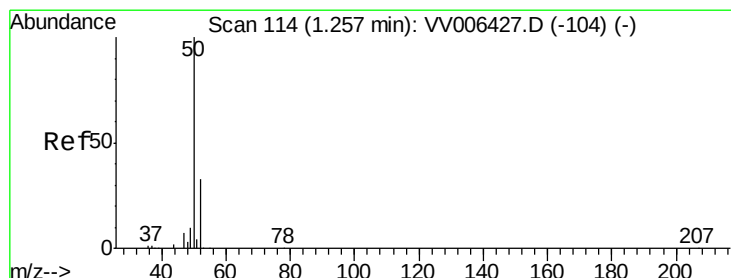
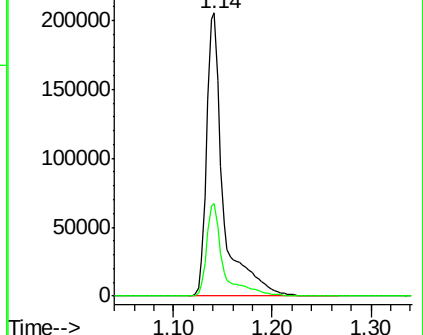
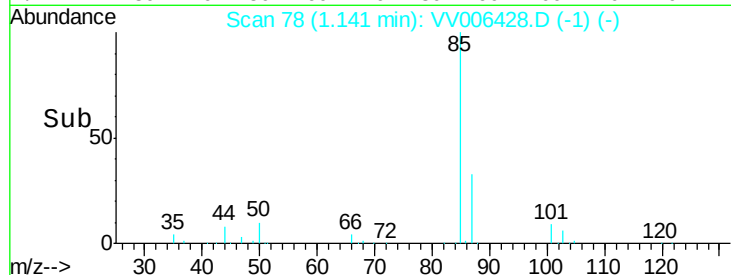
85 100

87 32.6 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV006428.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV006428.D (-1) (-)



#3

Chloromethane

Concen: 9.416 ug/L

RT: 1.26 min Scan# 114

Delta R.T. -0.00 min

Lab File: VV006428.D

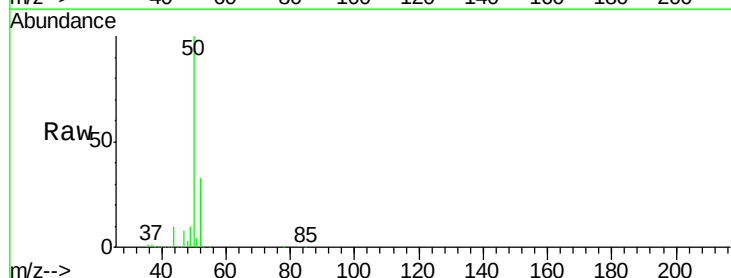
Acq: 25 Jun 2018 12:12

Tgt Ion: 50 Resp: 239178

Ion Ratio Lower Upper

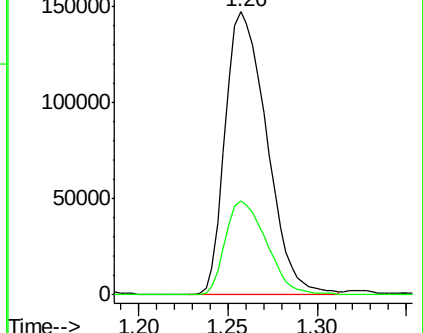
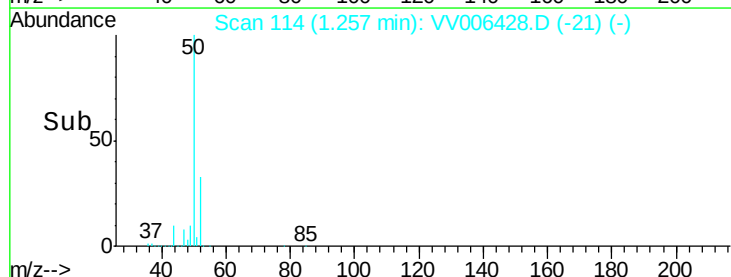
50 100

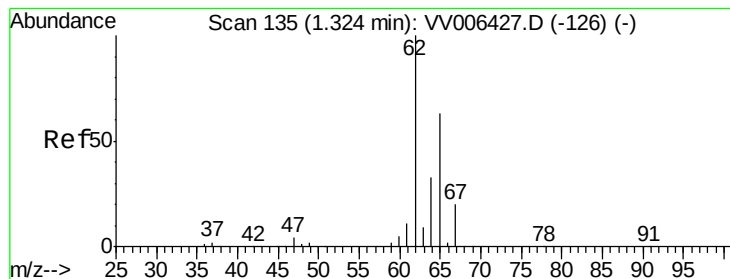
52 33.1 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV006428.D (-21) (-)

Ion 52.05 (51.75 to 52.75): VV006428.D (-21) (-)





#5

Vinyl chloride

Concen: 9.547 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

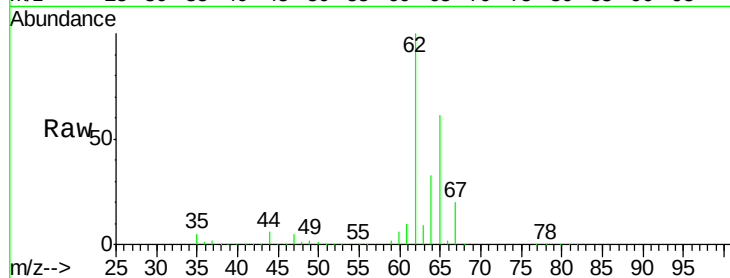
VSTD01083

Tgt Ion: 62 Resp: 263453

Ion Ratio Lower Upper

62 100

64 33.3 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

250000

200000

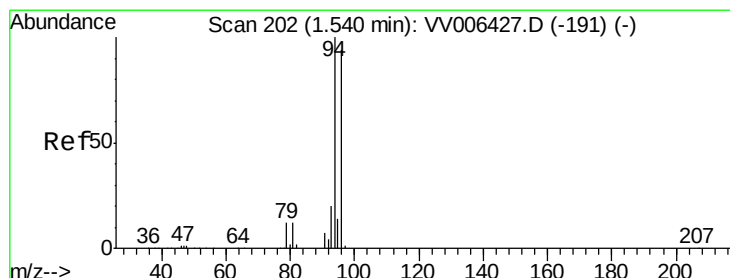
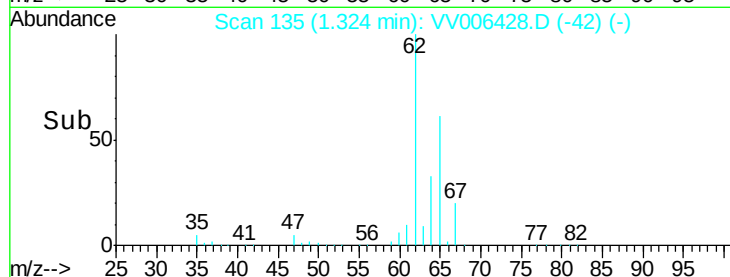
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 9.595 ug/L

RT: 1.54 min Scan# 202

Delta R.T. -0.00 min

Lab File: VV006428.D

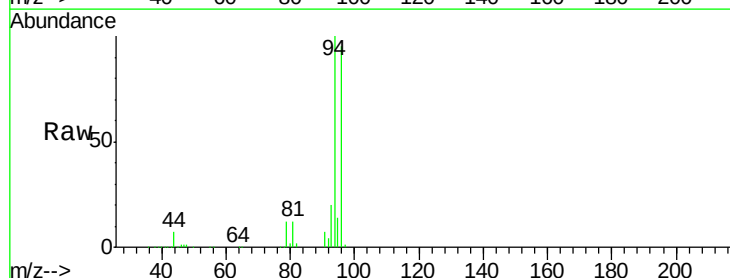
Acq: 25 Jun 2018 12:12

Tgt Ion: 94 Resp: 153366

Ion Ratio Lower Upper

94 100

96 94.9 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

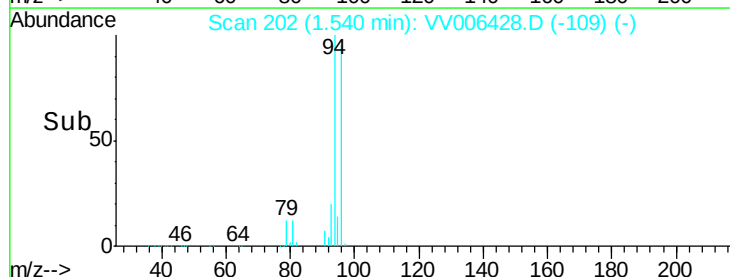
1.54

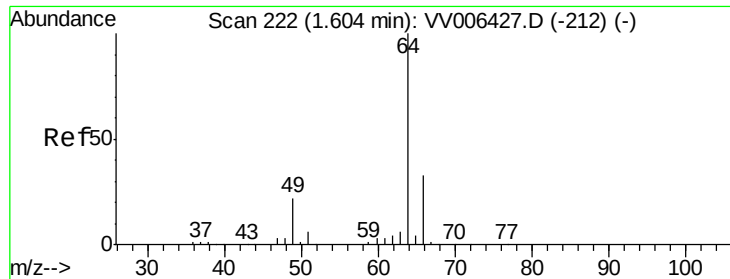
100000

50000

0

Time-->





#8

Chloroethane

Concen: 9.275 ug/L

RT: 1.60 min Scan# 222

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

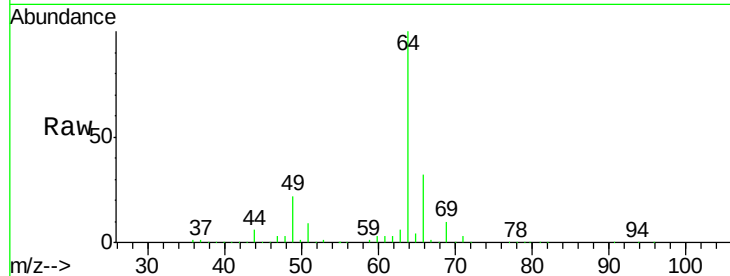
VSTD01083

Tgt Ion: 64 Resp: 162360

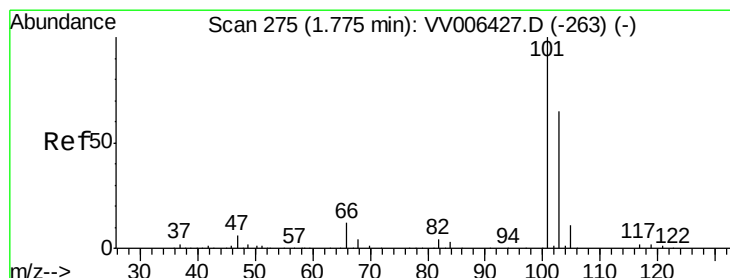
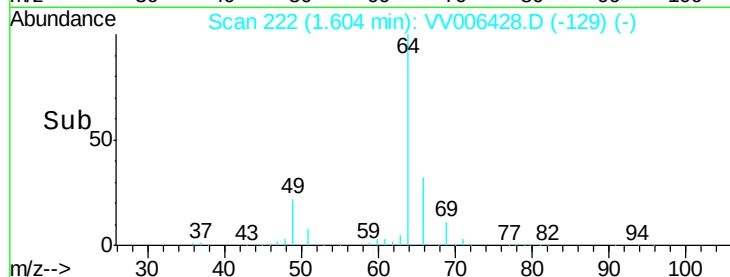
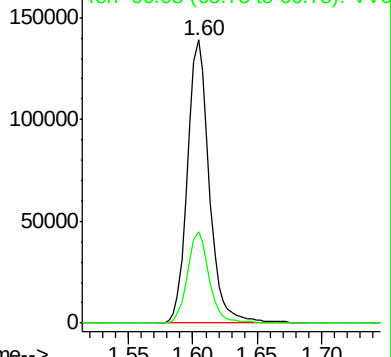
Ion Ratio Lower Upper

64 100

66 32.1 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VV006428.D (-129) (-)



#9

Trichlorofluoromethane

Concen: 9.610 ug/L

RT: 1.77 min Scan# 274

Delta R.T. -0.00 min

Lab File: VV006428.D

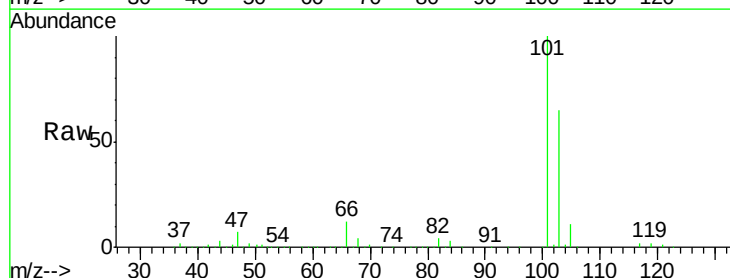
Acq: 25 Jun 2018 12:12

Tgt Ion: 101 Resp: 318796

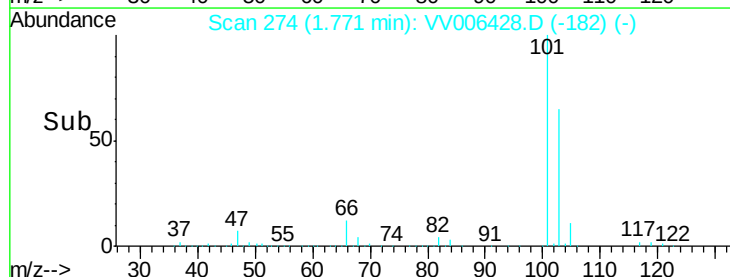
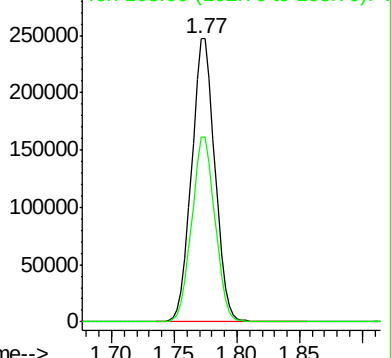
Ion Ratio Lower Upper

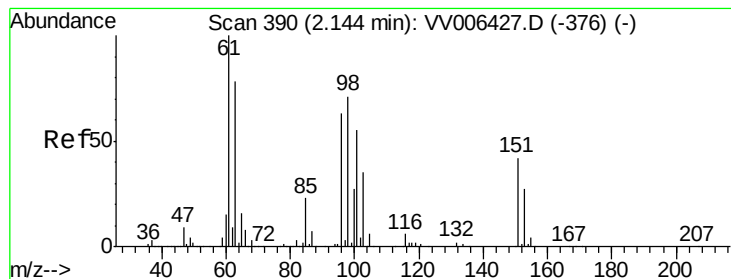
101 100

103 65.3 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV006428.D (-182) (-)





#10

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

Concen: 9.728 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD01083

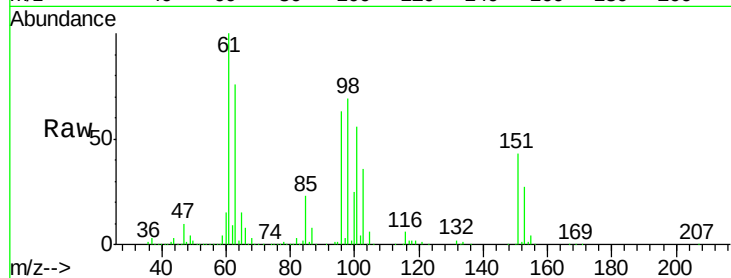
Tgt Ion: 101 Resp: 202694

Ion Ratio Lower Upper

101 100

85 41.7 33.1 49.7

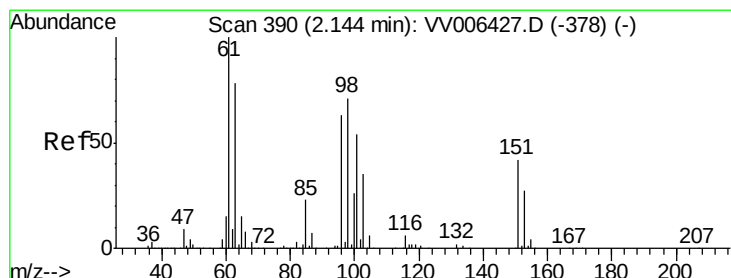
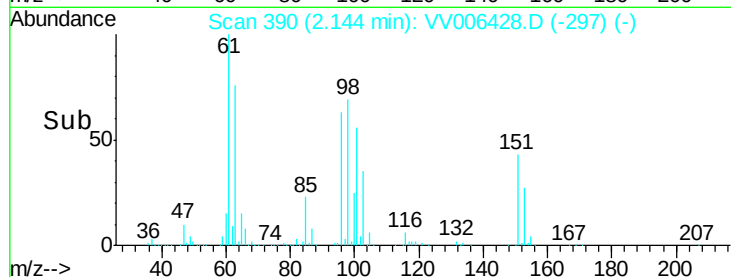
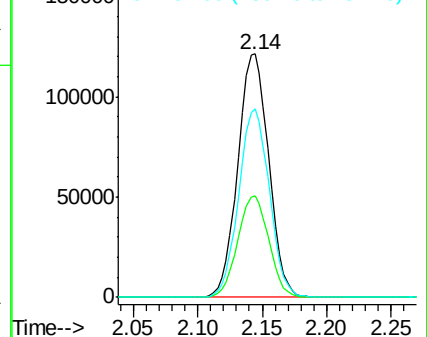
151 76.9 61.7 92.5



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: 9.508 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

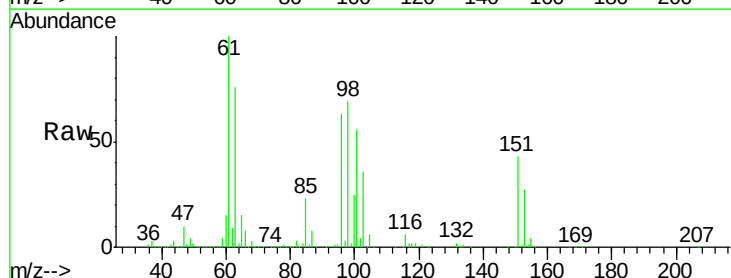
Tgt Ion: 96 Resp: 194423

Ion Ratio Lower Upper

96 100

61 158.9 111.4 207.0

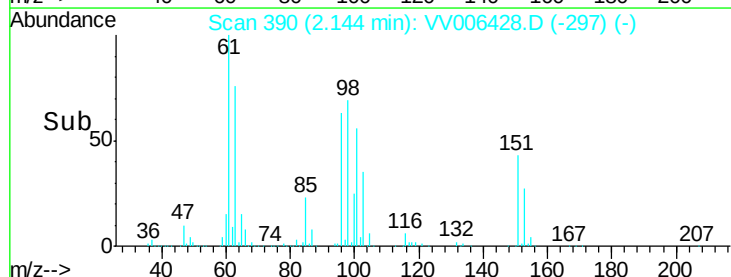
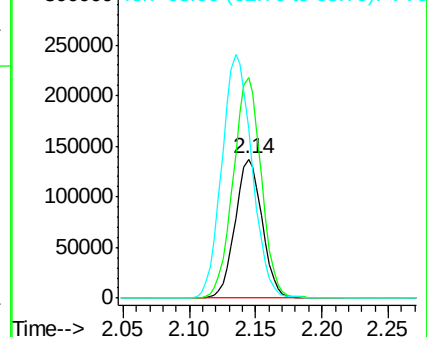
63 121.3 87.4 162.2

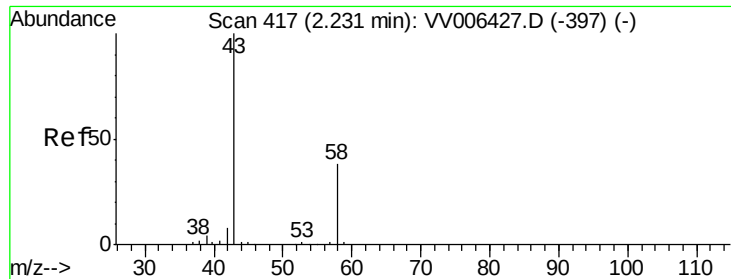


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 102.487 ug/L

RT: 2.23 min Scan# 417

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

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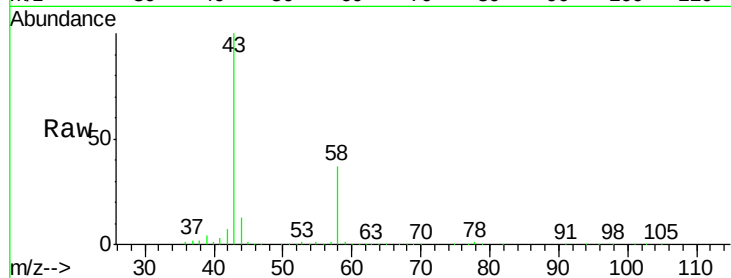
VSTD01083

Tgt Ion: 43 Resp: 261703

Ion Ratio Lower Upper

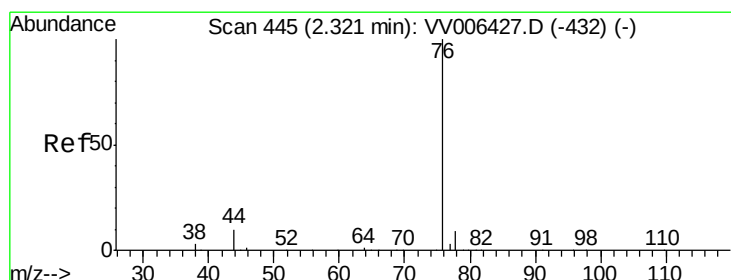
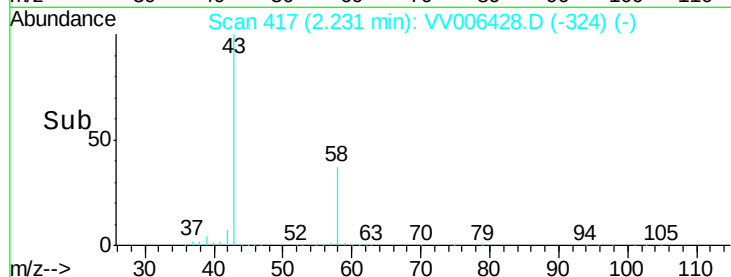
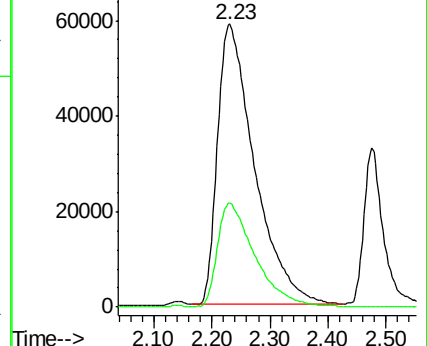
43 100

58 37.8 0.0 77.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 9.546 ug/L

RT: 2.32 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV006428.D

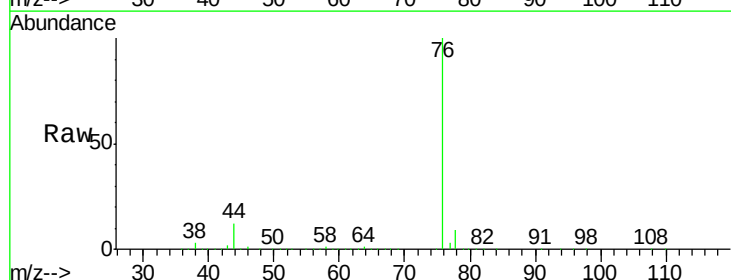
Acq: 25 Jun 2018 12:12

Tgt Ion: 76 Resp: 551206

Ion Ratio Lower Upper

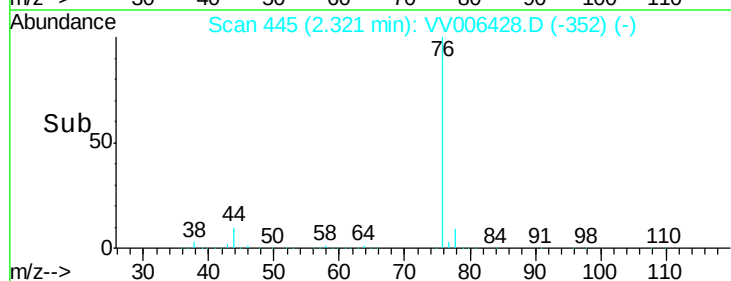
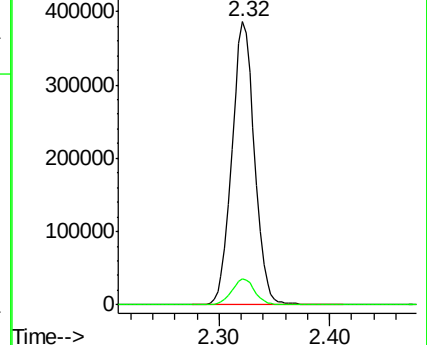
76 100

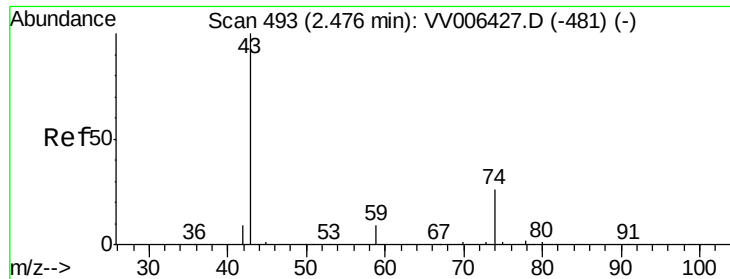
78 9.3 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

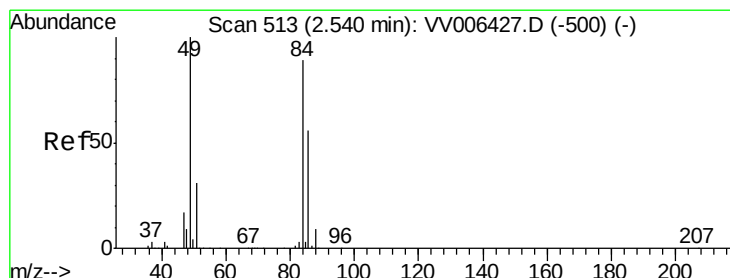
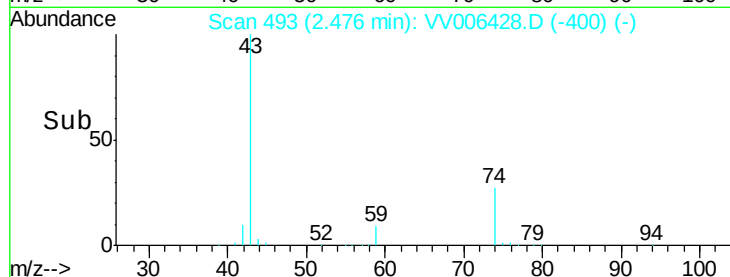
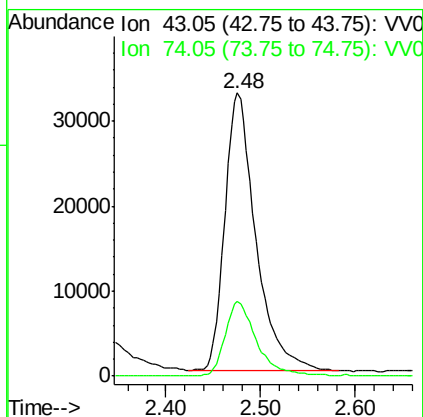
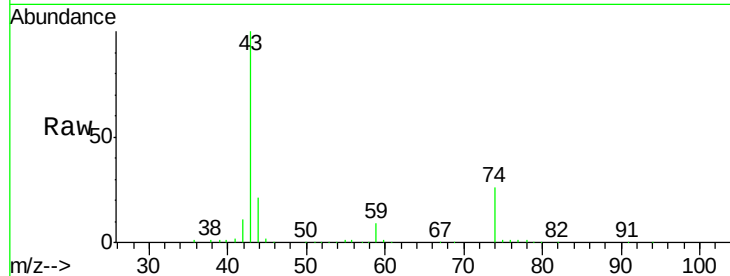




#15
Methyl Acetate
Concen: 9.916 ug/L
RT: 2.48 min Scan# 493
Delta R.T. -0.00 min
Lab File: VV006428.D
Acq: 25 Jun 2018 12:12

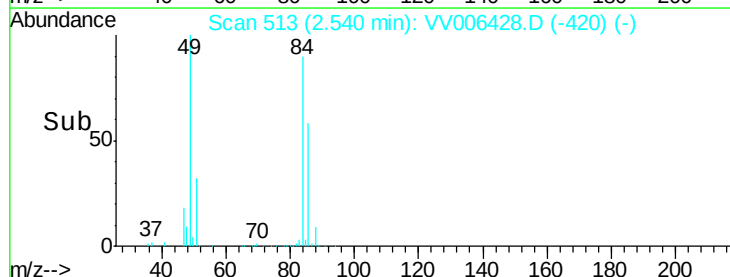
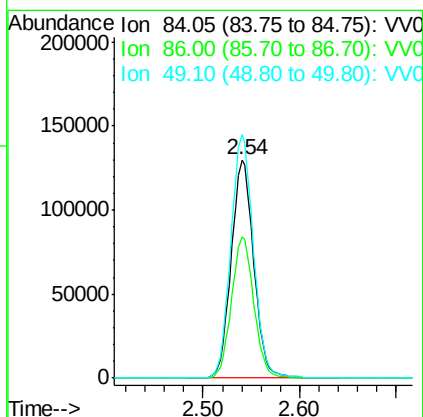
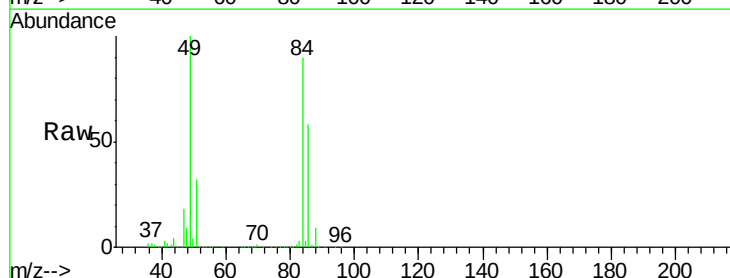
Instrument :
MSVOA_V
ClientSampleId :
VSTD01083

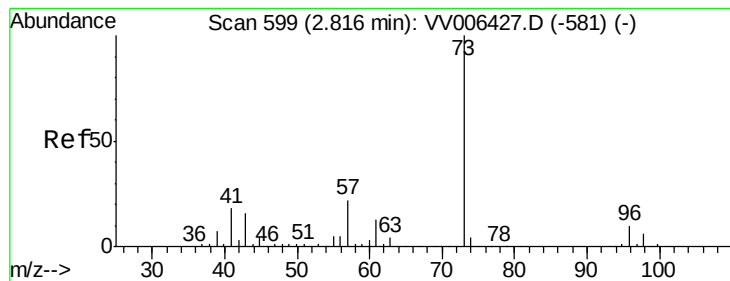
Tgt Ion: 43 Resp: 74555
Ion Ratio Lower Upper
43 100
74 27.3 22.2 33.4



#16
Methylene chloride
Concen: 8.800 ug/L
RT: 2.54 min Scan# 513
Delta R.T. -0.00 min
Lab File: VV006428.D
Acq: 25 Jun 2018 12:12

Tgt Ion: 84 Resp: 210757
Ion Ratio Lower Upper
84 100
86 64.9 44.2 82.2
49 111.5 79.0 146.8





#17

Methyl tert-butyl Ether

Concen: 9.625 ug/L

RT: 2.82 min Scan# 599

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD01083

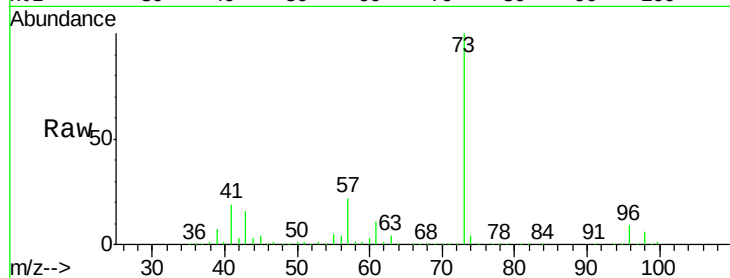
Tgt Ion: 73 Resp: 477016

Ion Ratio Lower Upper

73 100

43 16.0 12.9 19.3

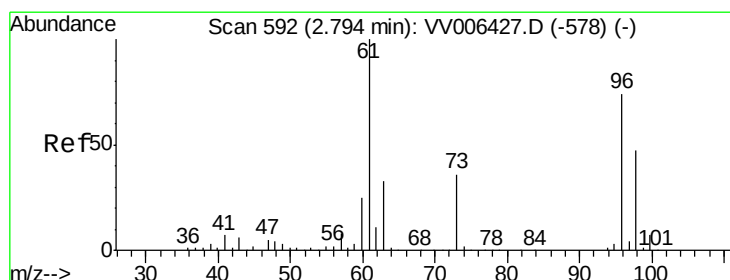
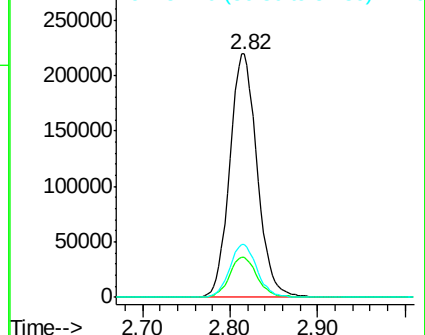
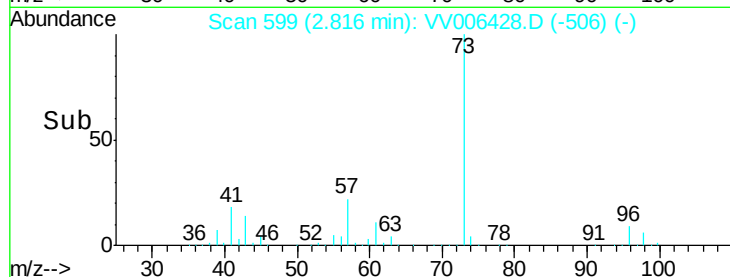
57 21.7 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VV006428.D (-506) (-)

Ion 43.05 (42.75 to 43.75): VV006428.D (-506) (-)

Ion 57.10 (56.80 to 57.80): VV006428.D (-506) (-)



#18

trans-1,2-Dichloroethene

Concen: 9.493 ug/L

RT: 2.79 min Scan# 592

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

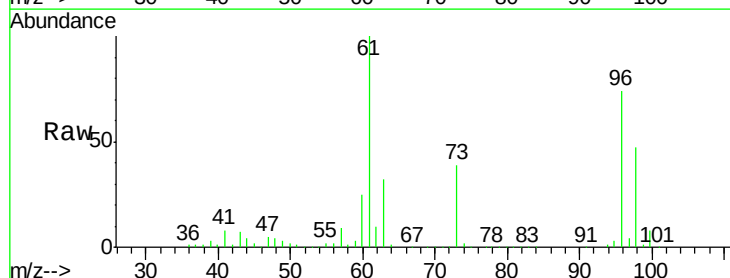
Tgt Ion: 96 Resp: 212510

Ion Ratio Lower Upper

96 100

61 135.4 94.4 175.2

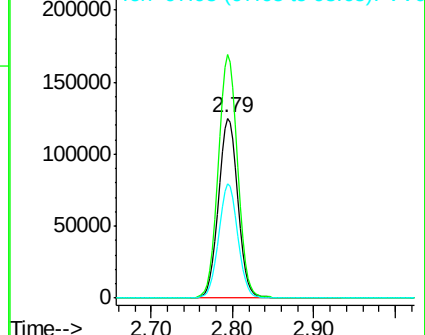
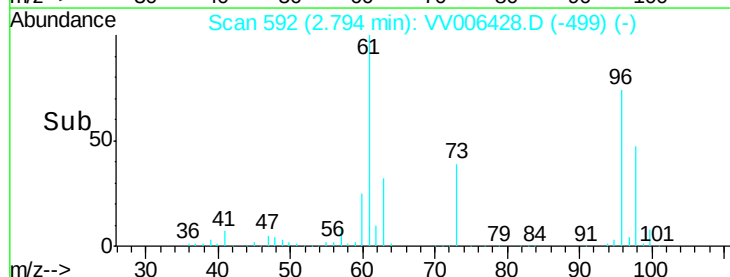
98 63.6 44.3 82.3

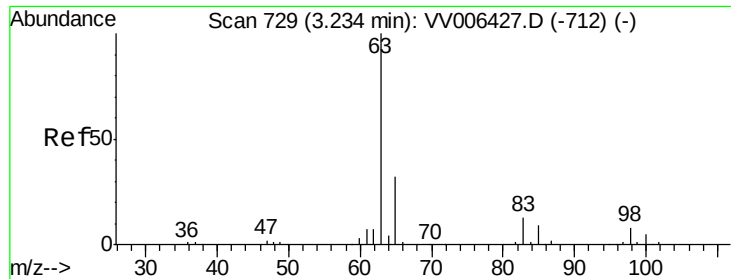


Abundance Ion 96.00 (95.70 to 96.70): VV006428.D (-499) (-)

Ion 61.05 (60.75 to 61.75): VV006428.D (-499) (-)

Ion 97.95 (97.65 to 98.65): VV006428.D (-499) (-)

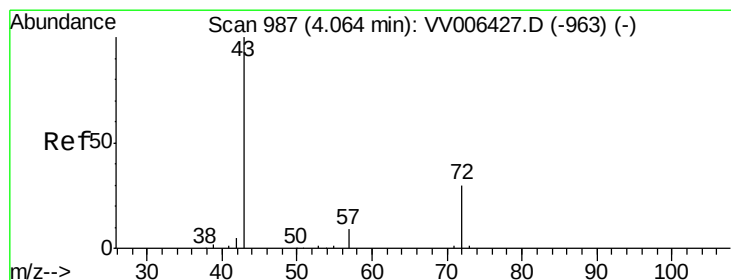
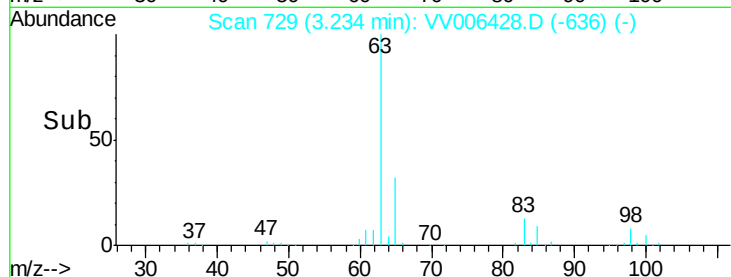
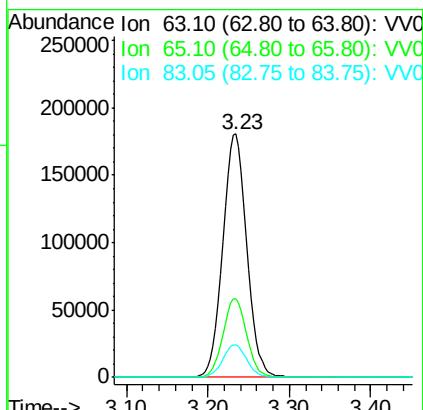
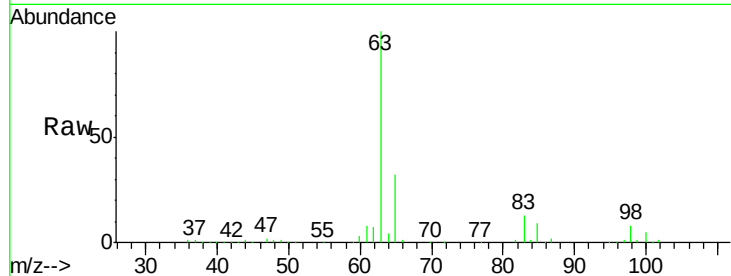




#19
 1,1-Dichloroethane
 Concen: 9.440 ug/L
 RT: 3.23 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VV006428.D
 Acq: 25 Jun 2018 12:12

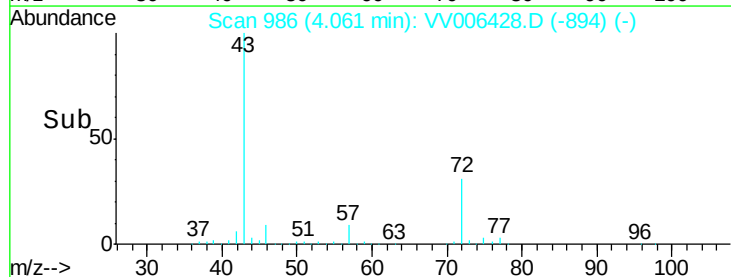
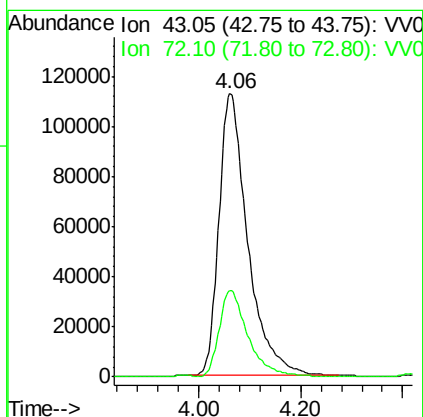
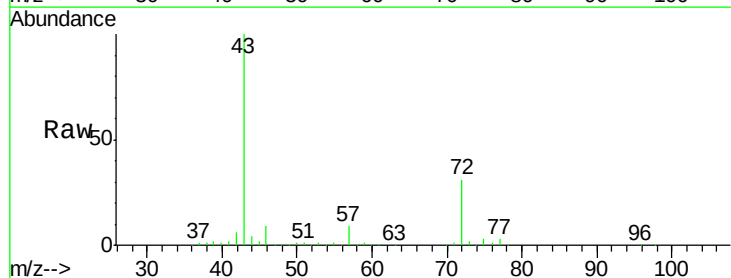
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01083

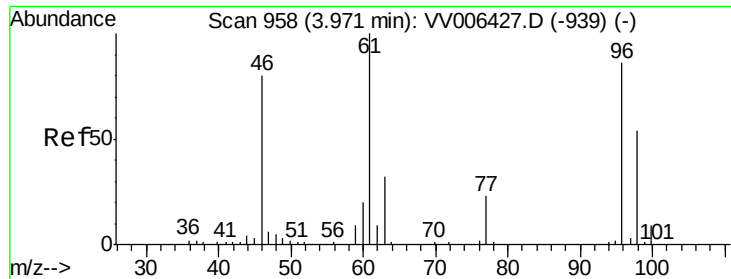
Tgt Ion: 63 Resp: 376384
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.2 41.2
 83 13.3 9.2 17.2



#21
 2-Butanone
 Concen: 100.243 ug/L
 RT: 4.06 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: VV006428.D
 Acq: 25 Jun 2018 12:12

Tgt Ion: 43 Resp: 441596
 Ion Ratio Lower Upper
 43 100
 72 30.4 15.4 46.1



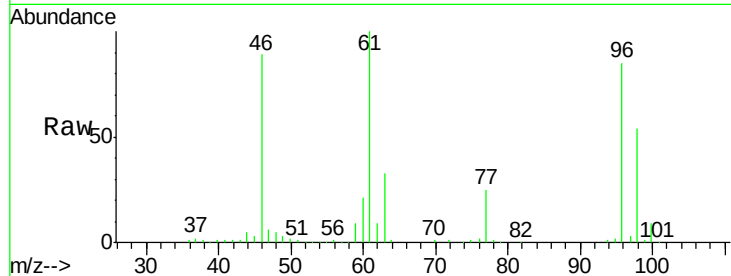


#22

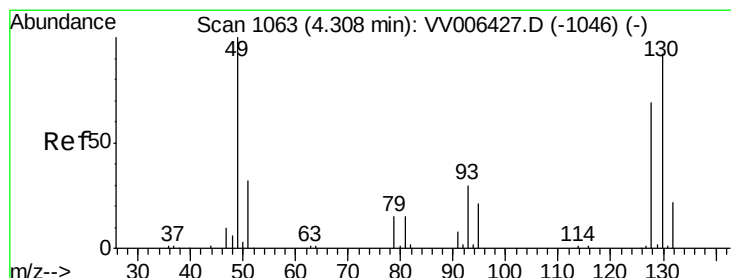
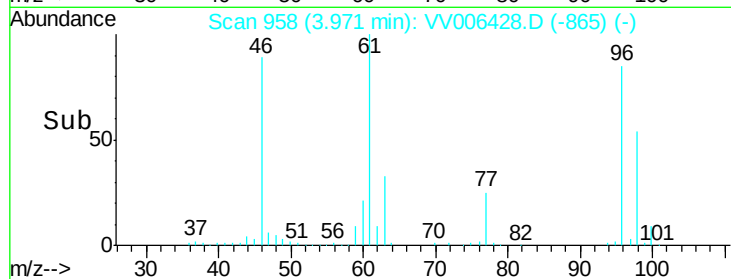
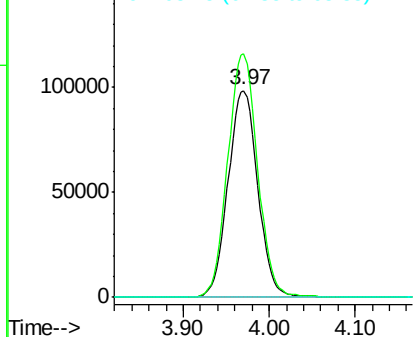
cis-1,2-Dichloroethene
Concen: 9.631 ug/L
RT: 3.97 min Scan# 958
Delta R.T. -0.00 min
Lab File: VV006428.D
Acq: 25 Jun 2018 12:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD01083

Tgt Ion: 96 Resp: 237092
Ion Ratio Lower Upper
96 100
61 117.8 81.8 151.8
68 0.0 0.0 0.0



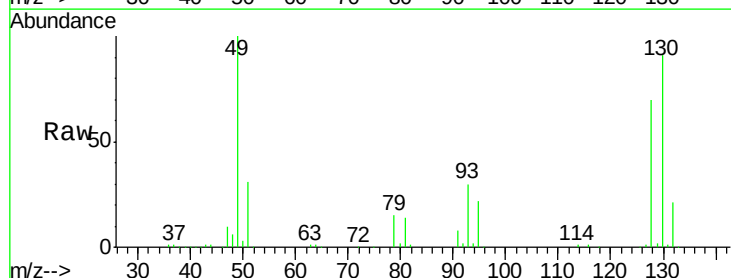
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



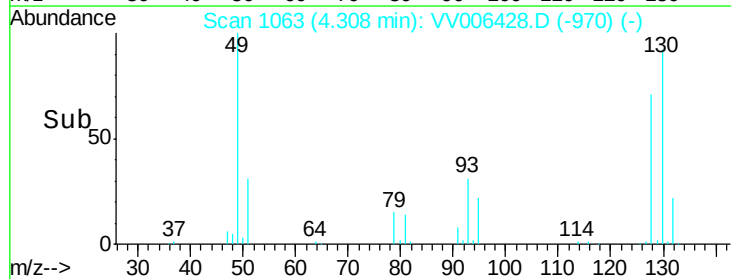
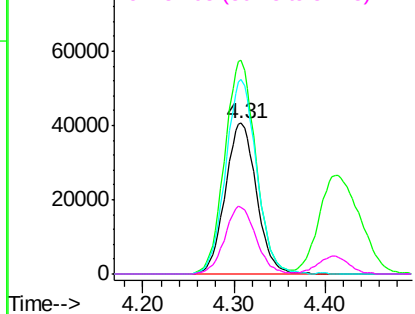
#23

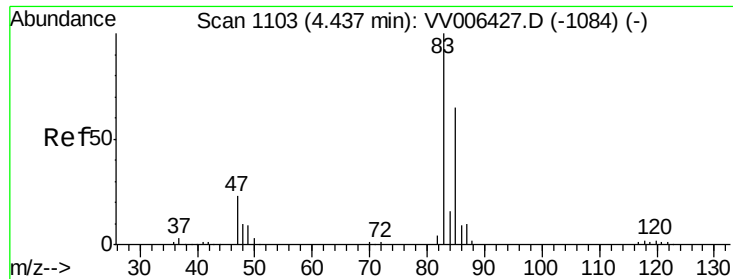
Bromochloromethane
Concen: 9.674 ug/L
RT: 4.31 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VV006428.D
Acq: 25 Jun 2018 12:12

Tgt Ion: 128 Resp: 96762
Ion Ratio Lower Upper
128 100
49 141.9 101.2 188.0
130 129.4 93.0 172.6
51 44.7 37.0 55.6



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

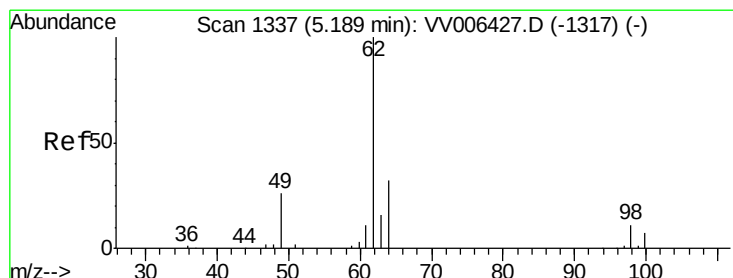
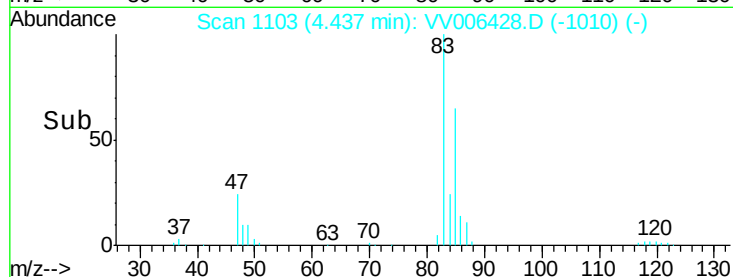
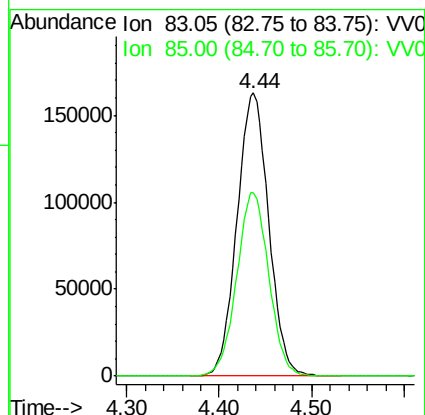
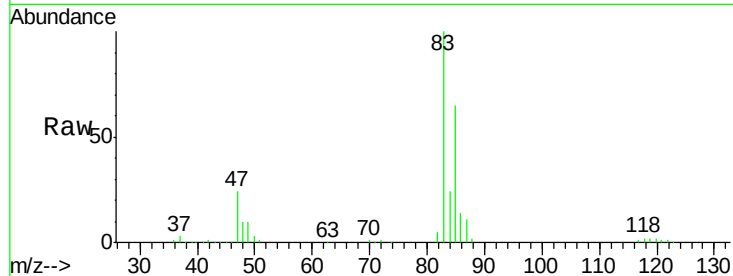




#25
Chloroform
Concen: 9.615 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VV006428.D
Acq: 25 Jun 2018 12:12

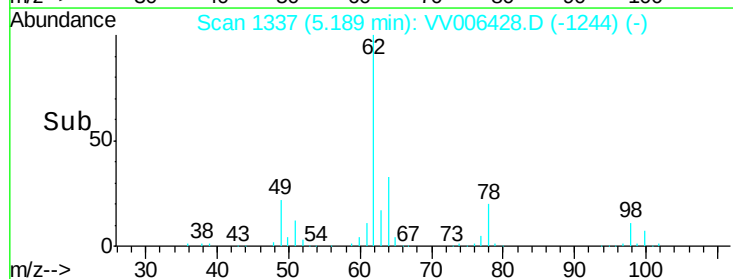
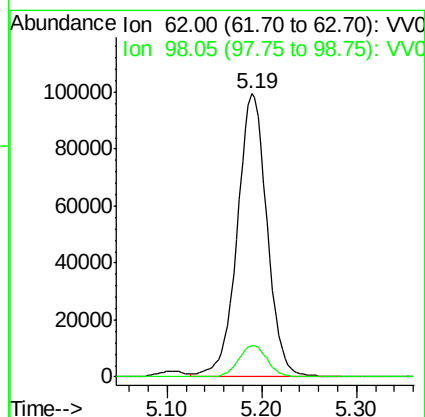
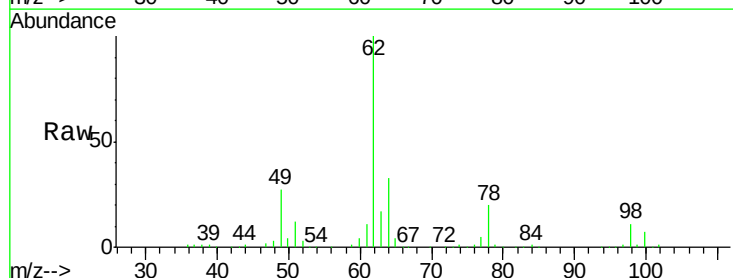
Instrument :
MSVOA_V
ClientSampleId :
VSTD01083

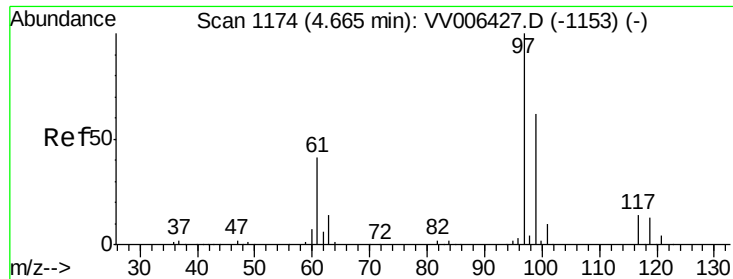
Tgt Ion: 83 Resp: 386379
Ion Ratio Lower Upper
83 100
85 64.8 45.6 84.6



#27
1,2-Dichloroethane
Concen: 9.564 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VV006428.D
Acq: 25 Jun 2018 12:12

Tgt Ion: 62 Resp: 215959
Ion Ratio Lower Upper
62 100
98 11.2 8.8 13.2

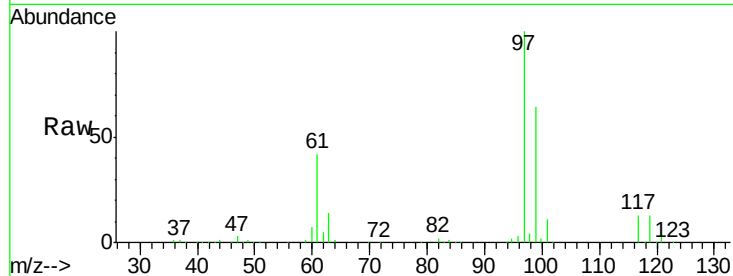




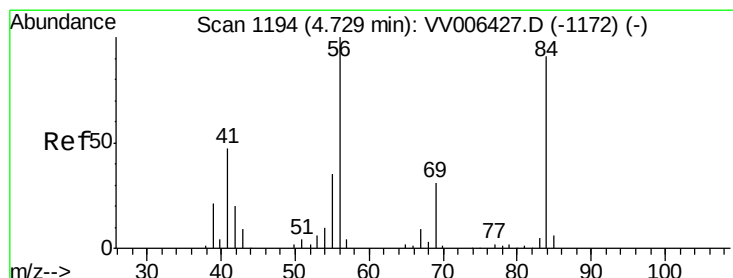
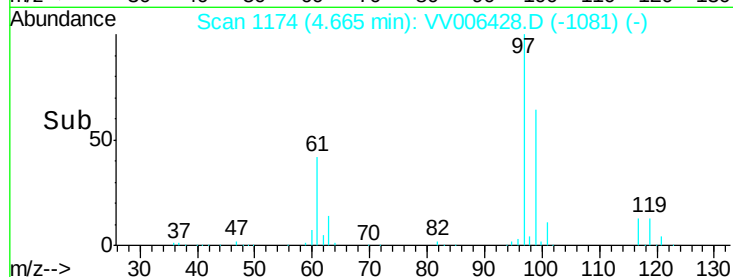
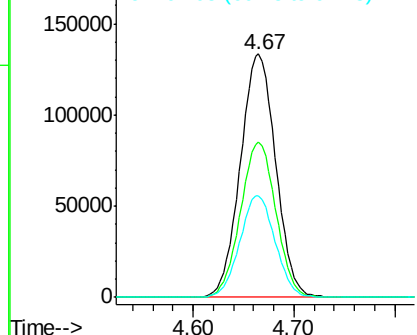
#29
1,1,1-Trichloroethane
Concen: 9.676 ug/L
RT: 4.67 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VV006428.D
Acq: 25 Jun 2018 12:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD01083

Tgt Ion: 97 Resp: 324050
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.4
61 41.9 33.8 50.6

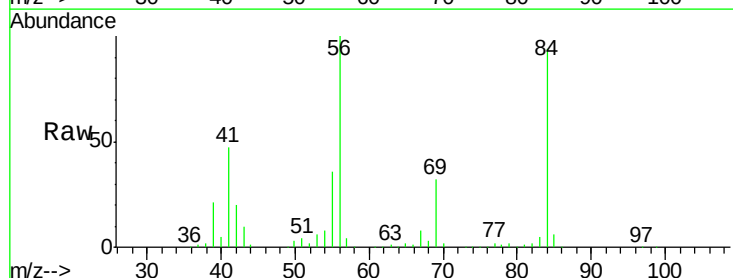


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

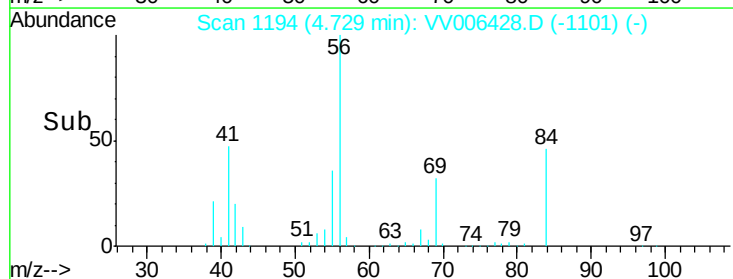
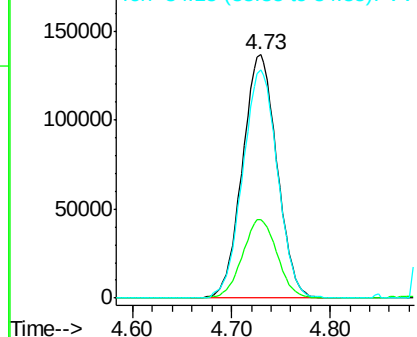


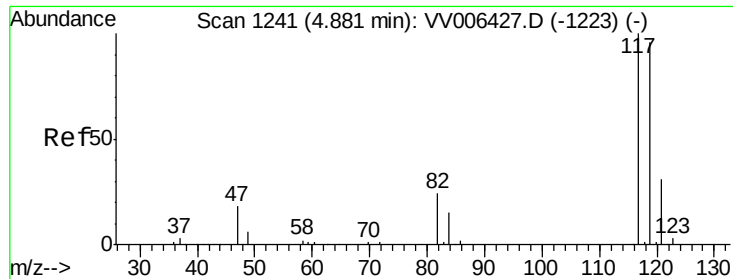
#30
Cyclohexane
Concen: 9.885 ug/L
RT: 4.73 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VV006428.D
Acq: 25 Jun 2018 12:12

Tgt Ion: 56 Resp: 330890
Ion Ratio Lower Upper
56 100
69 32.4 25.6 38.4
84 94.5 75.4 113.0



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 9.767 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

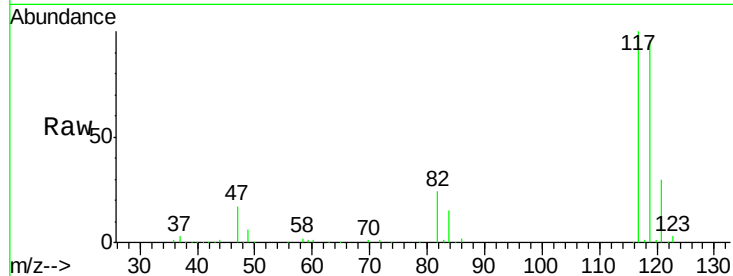
VSTD01083

Tgt Ion:117 Resp: 274378

Ion Ratio Lower Upper

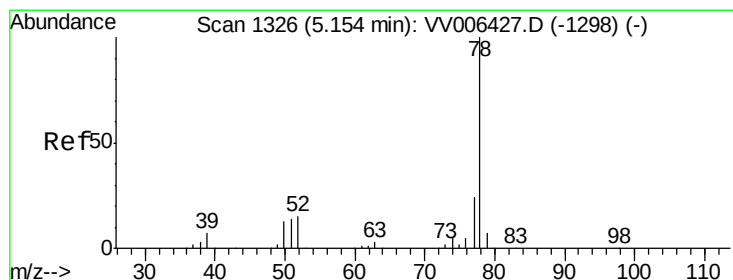
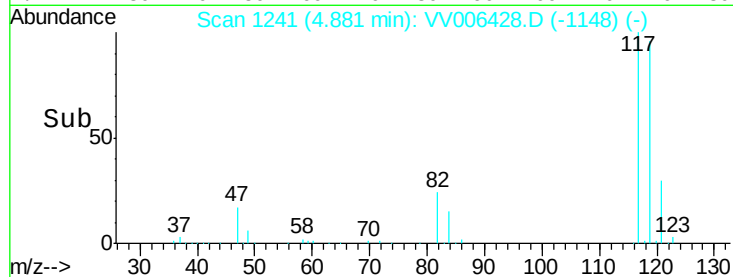
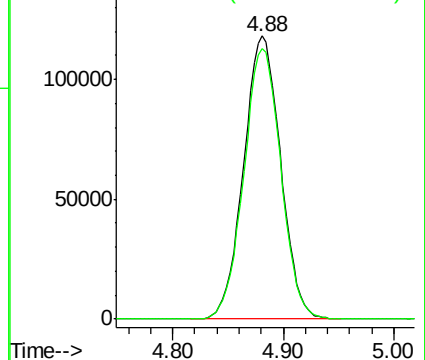
117 100

119 96.1 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.618 ug/L

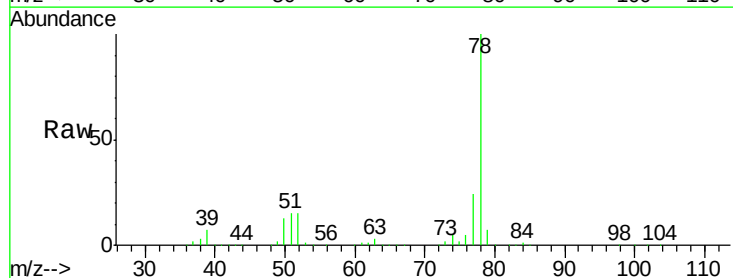
RT: 5.15 min Scan# 1326

Delta R.T. -0.00 min

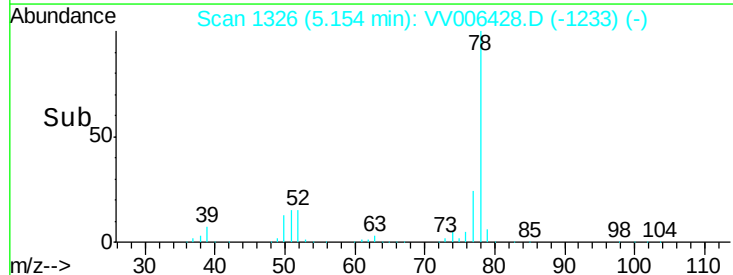
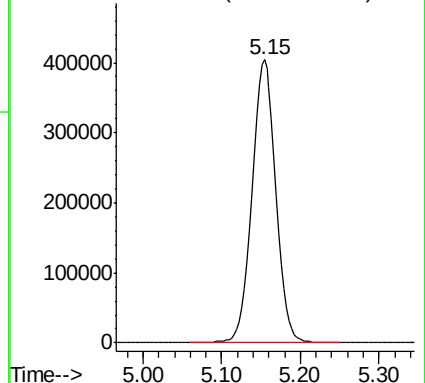
Lab File: VV006428.D

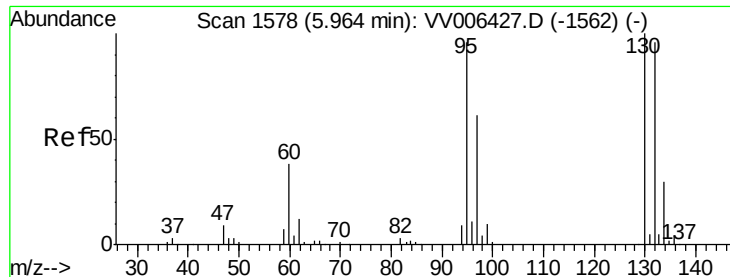
Acq: 25 Jun 2018 12:12

Tgt Ion: 78 Resp: 872326



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 9.210 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD01083

Tgt Ion: 95 Resp: 238959

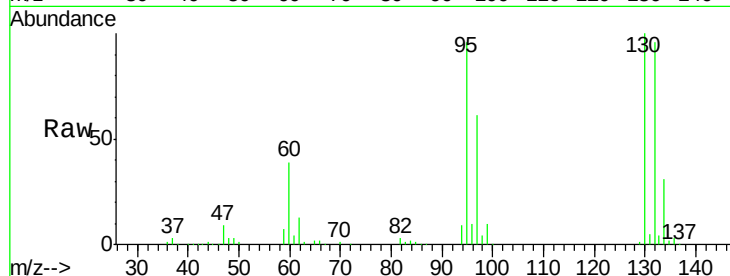
Ion Ratio Lower Upper

95 100

97 64.1 44.6 82.8

132 100.0 70.1 130.1

130 104.4 73.3 136.1

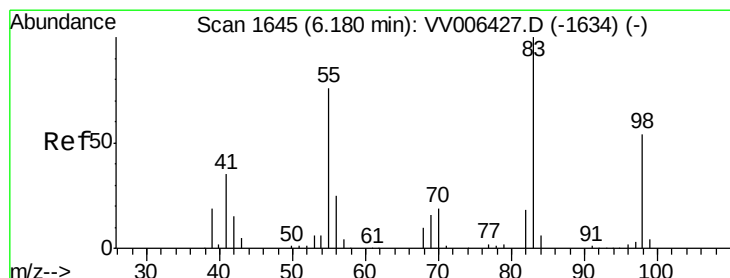
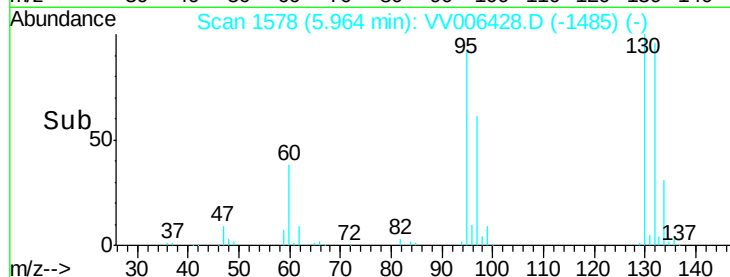
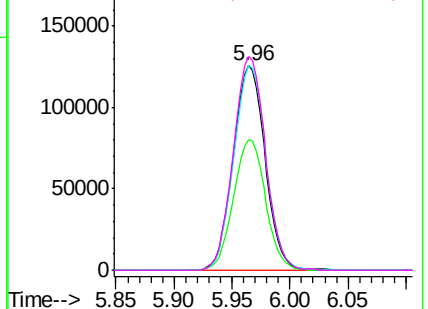


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 10.117 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

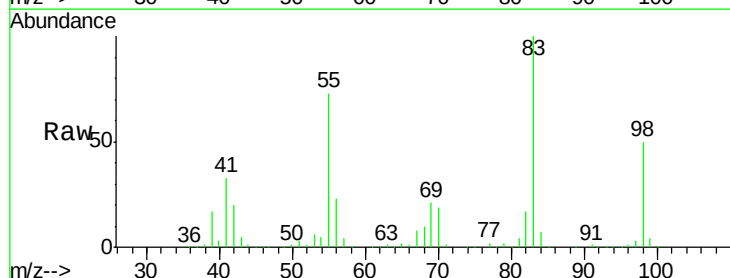
Tgt Ion: 83 Resp: 381693

Ion Ratio Lower Upper

83 100

55 71.6 57.5 86.3

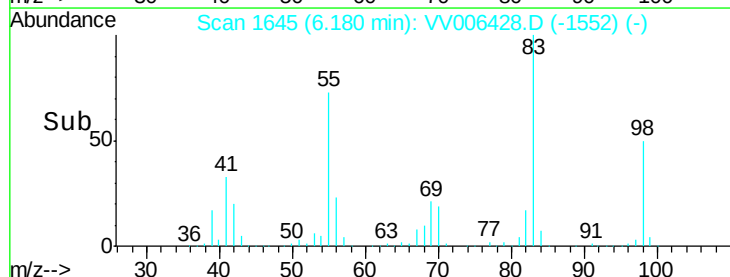
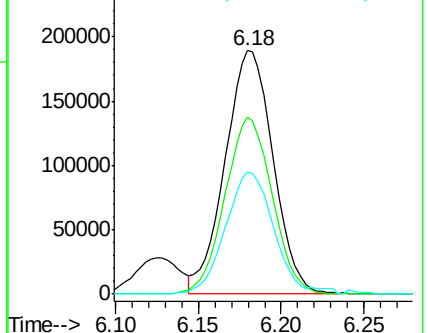
98 49.8 39.6 59.4

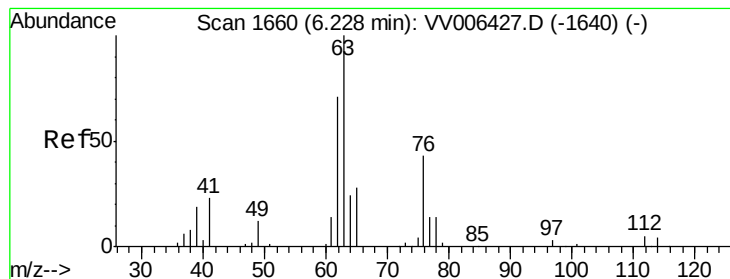


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 9.609 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

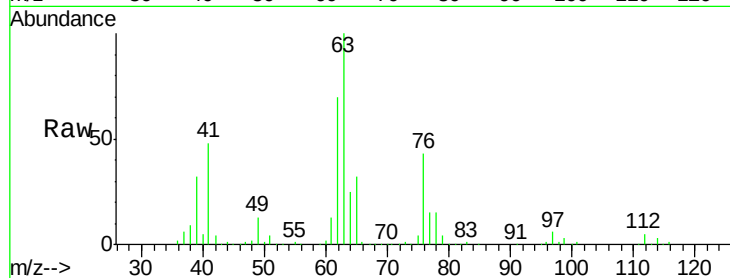
VSTD01083

Tgt Ion: 63 Resp: 212972

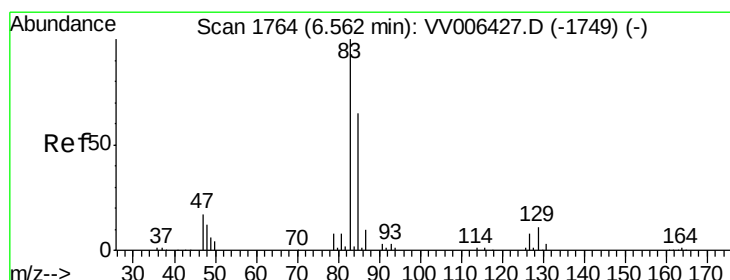
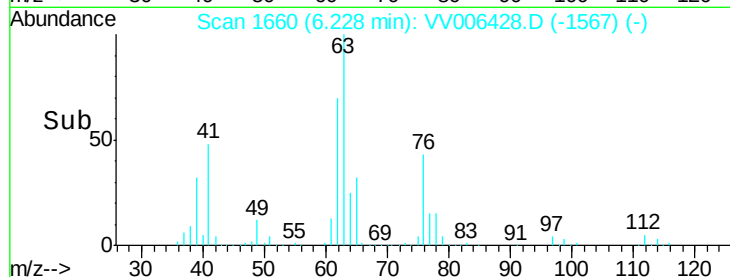
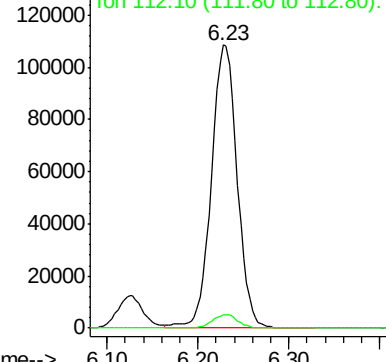
Ion Ratio Lower Upper

63 100

112 4.8 4.0 6.0



Abundance Ion 63.10 (62.80 to 63.80): VV006428.D (-1567) (-)



#38

Bromodichloromethane

Concen: 9.865 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

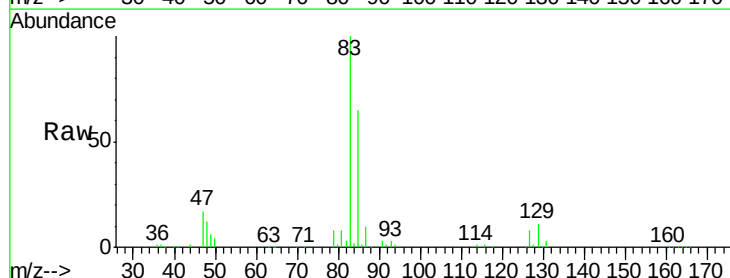
Tgt Ion: 83 Resp: 251668

Ion Ratio Lower Upper

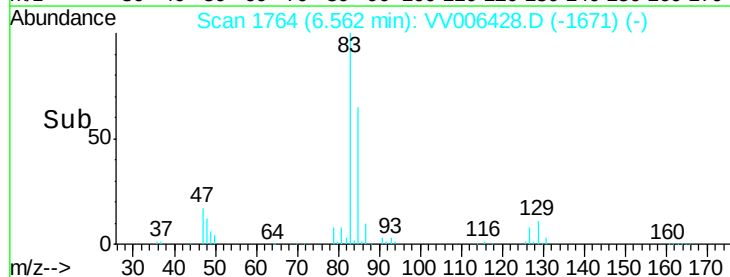
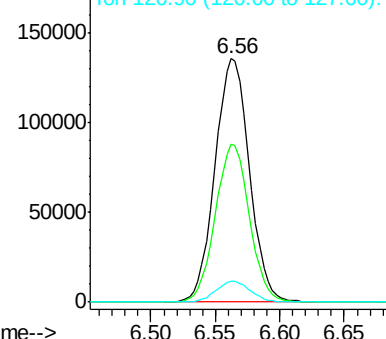
83 100

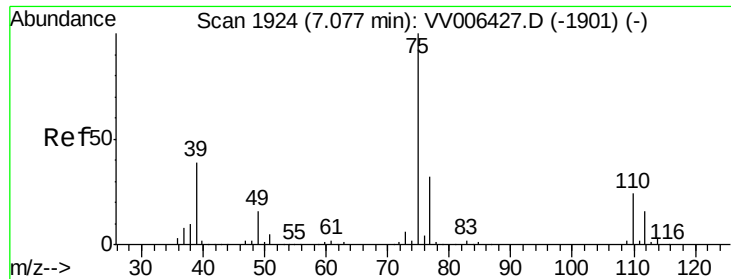
85 64.7 45.1 83.9

127 8.4 6.6 9.8



Abundance Ion 82.95 (82.65 to 83.65): VV006428.D (-1671) (-)

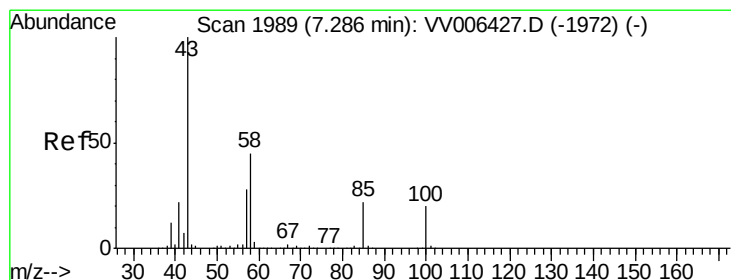
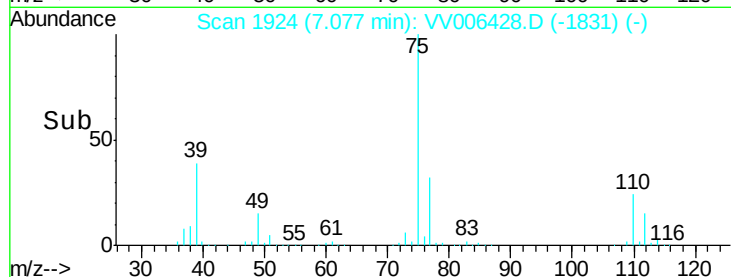
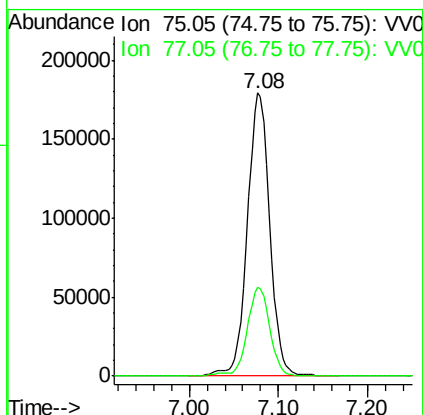
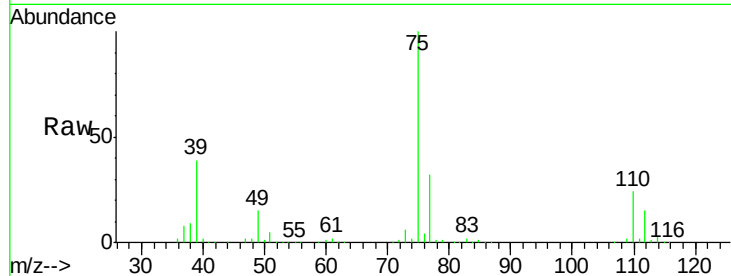




#39
 cis-1,3-Dichloropropene
 Concen: 10.187 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV006428.D
 Acq: 25 Jun 2018 12:12

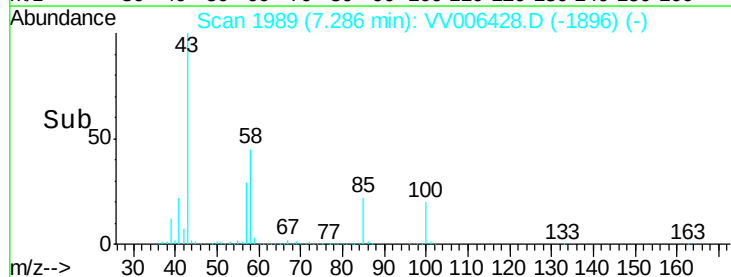
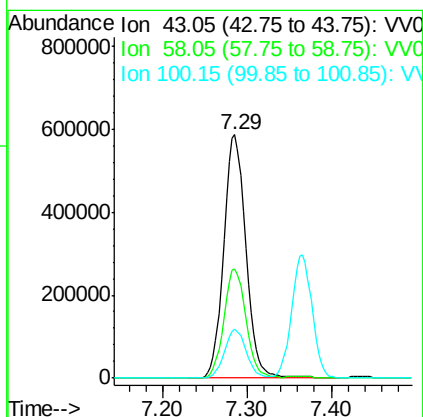
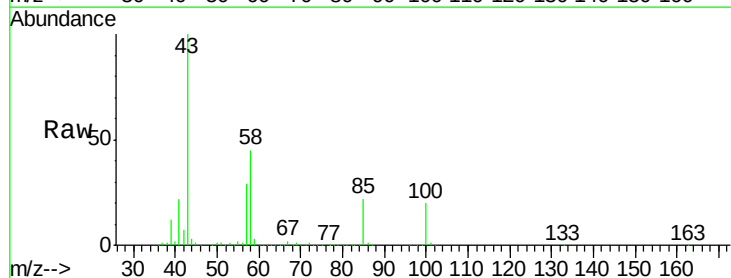
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01083

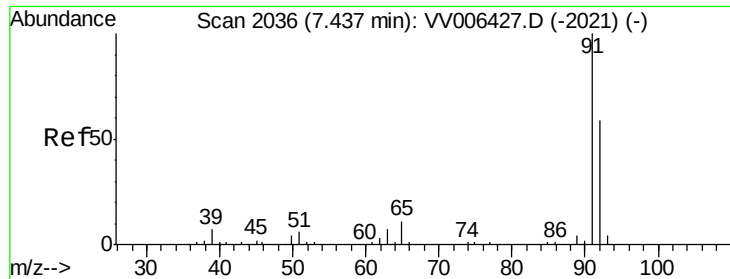
Tgt Ion: 75 Resp: 314206
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 99.428 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VV006428.D
 Acq: 25 Jun 2018 12:12

Tgt Ion: 43 Resp: 1072328
 Ion Ratio Lower Upper
 43 100
 58 44.5 35.4 53.2
 100 19.5 15.5 23.3





#42

Toluene

Concen: 9.687 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

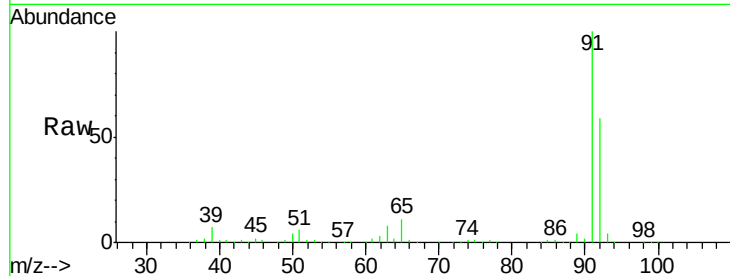
VSTD01083

Tgt Ion: 91 Resp: 930430

Ion Ratio Lower Upper

91 100

92 59.0 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

600000

500000

400000

300000

200000

100000

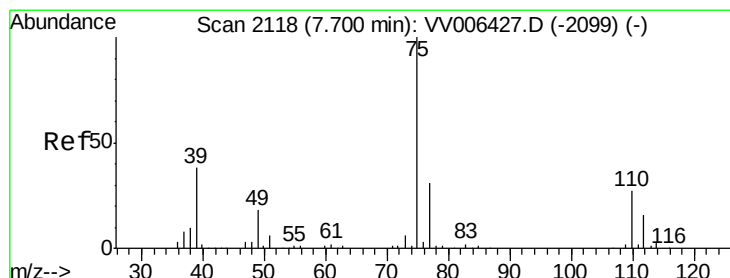
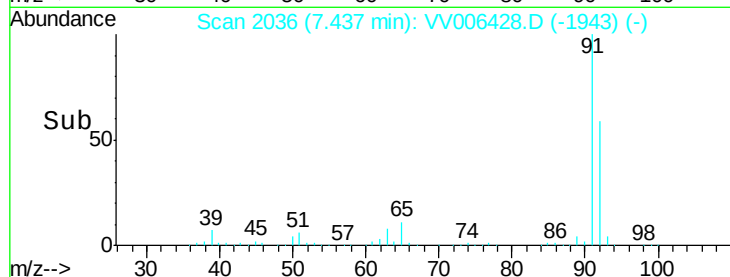
0

7.40

7.44

7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.256 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV006428.D

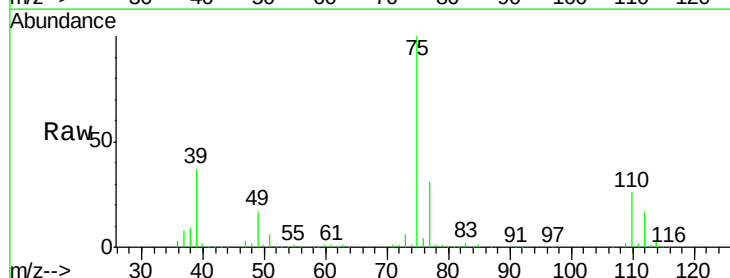
Acq: 25 Jun 2018 12:12

Tgt Ion: 75 Resp: 248093

Ion Ratio Lower Upper

75 100

77 31.2 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

150000

100000

50000

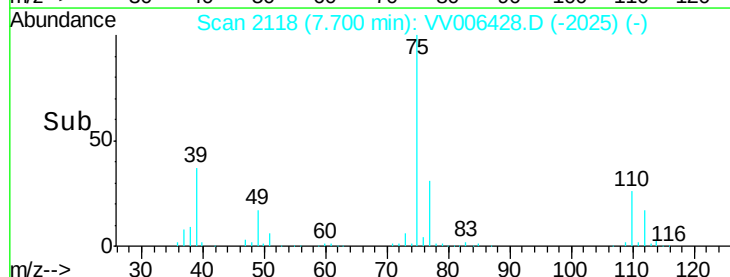
0

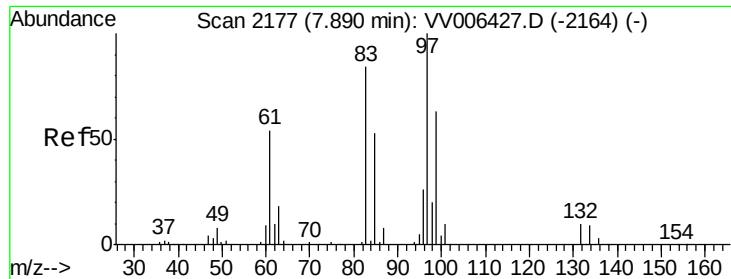
7.60

7.70

7.80

Time-->

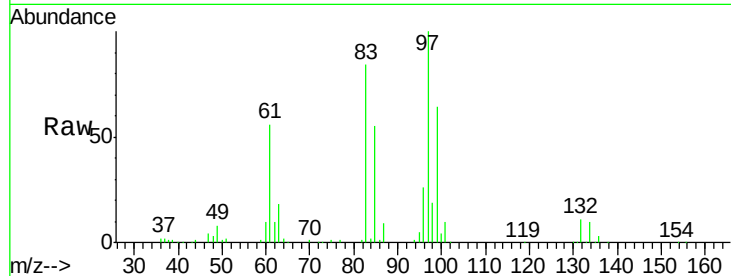




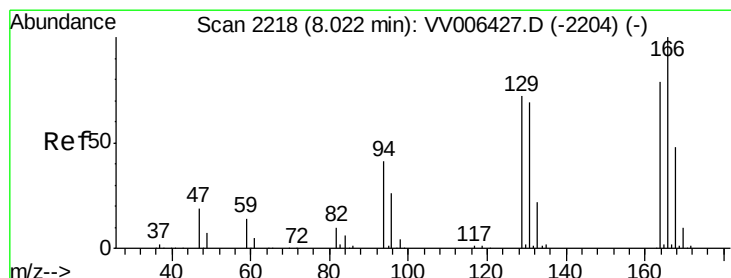
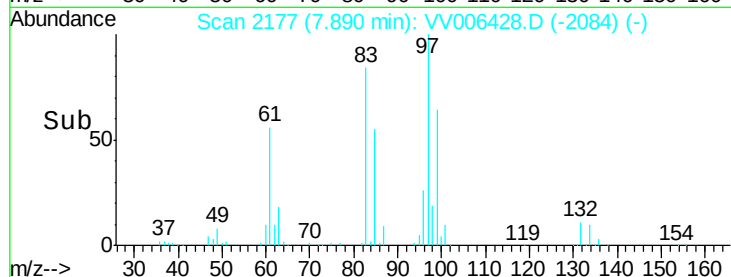
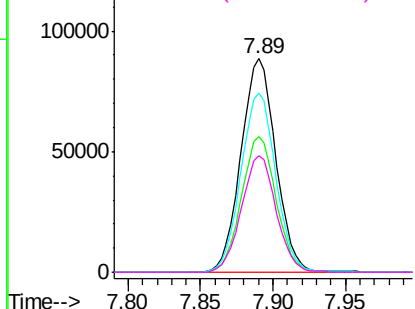
#45
 1,1,2-Trichloroethane
 Concen: 9.619 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV006428.D
 Acq: 25 Jun 2018 12:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01083

Tgt Ion:	97	Resp:	147248
Ion	Ratio	Lower	Upper
97	100		
99	63.5	44.2	82.2
83	84.2	59.0	109.6
85	54.8	36.8	68.3

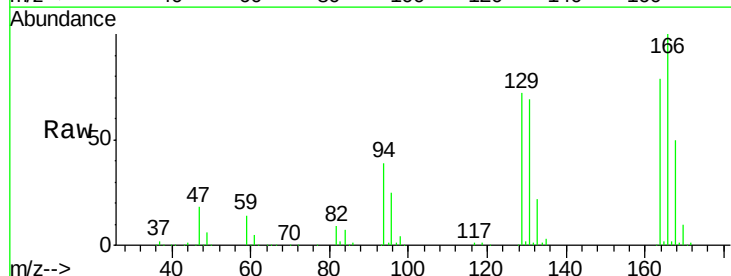


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

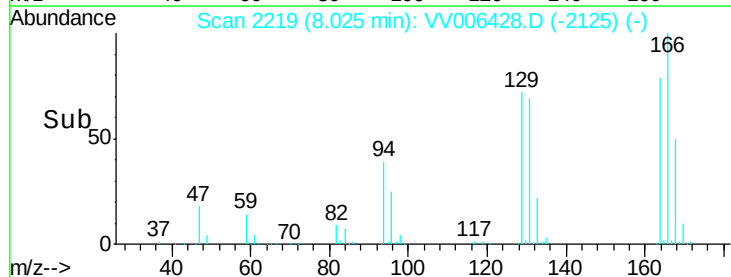
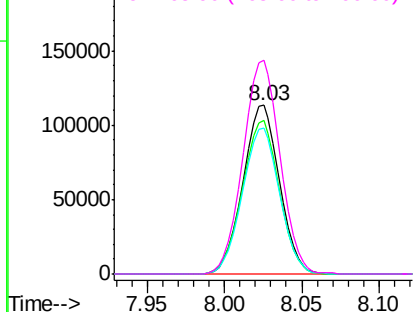


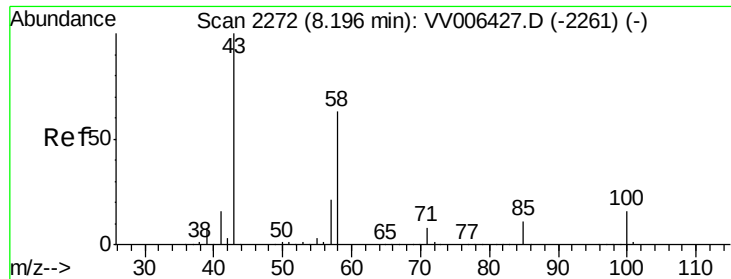
#47
 Tetrachloroethene
 Concen: 9.505 ug/L
 RT: 8.03 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VV006428.D
 Acq: 25 Jun 2018 12:12

Tgt Ion:	164	Resp:	186325
Ion	Ratio	Lower	Upper
164	100		
129	90.7	64.0	118.8
131	86.8	61.7	114.5
166	126.6	89.0	165.2



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

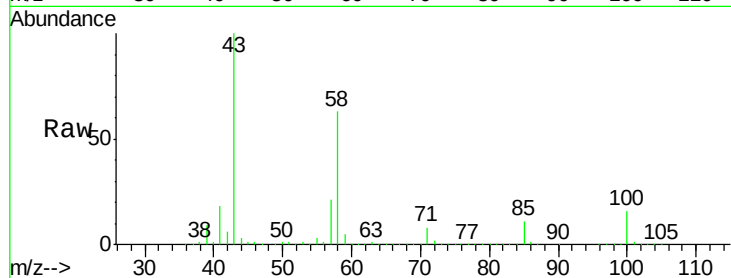




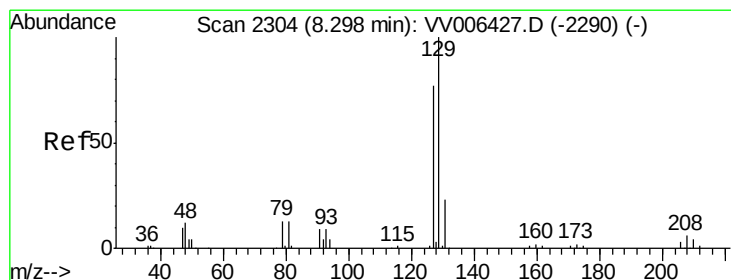
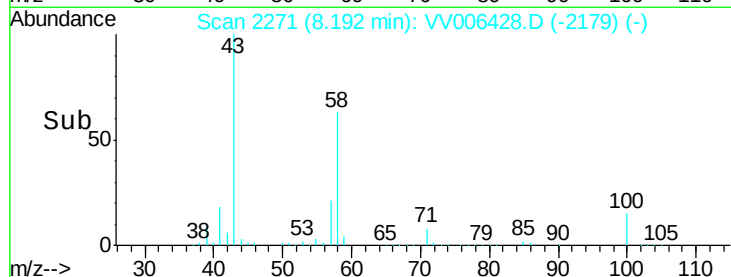
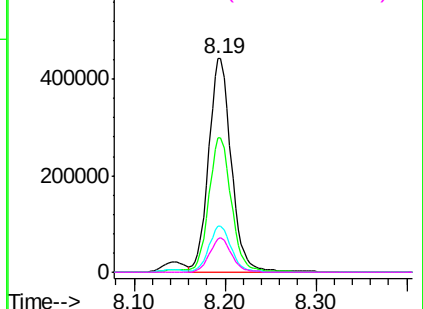
#48
2-Hexanone
Concen: 98.344 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV006428.D
Acq: 25 Jun 2018 12:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD01083

Tgt Ion: 43 Resp: 763052
Ion Ratio Lower Upper
43 100
58 62.9 49.9 74.9
57 21.7 17.3 25.9
100 15.8 12.5 18.7

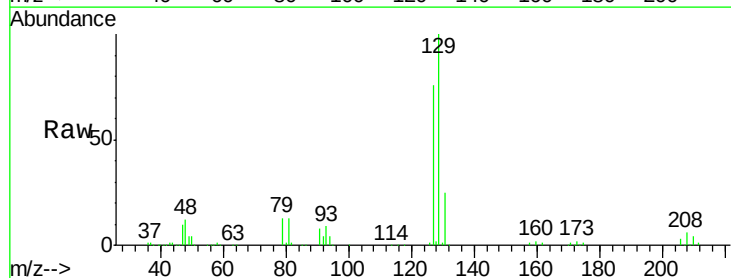


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

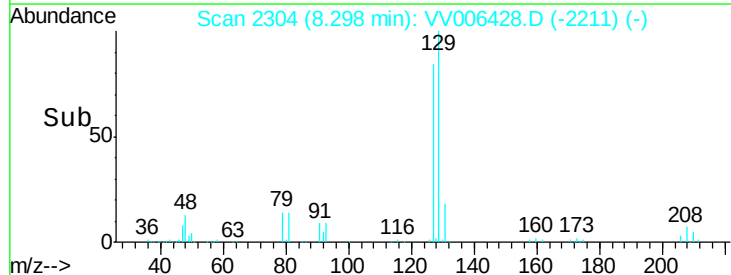
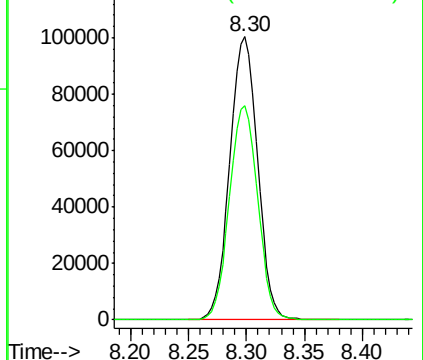


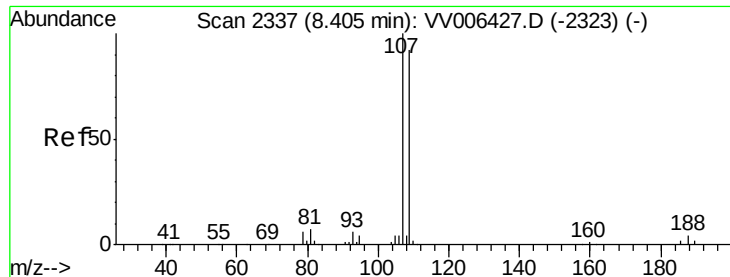
#49
Dibromochloromethane
Concen: 10.249 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VV006428.D
Acq: 25 Jun 2018 12:12

Tgt Ion: 129 Resp: 167249
Ion Ratio Lower Upper
129 100
127 75.7 54.0 100.2



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

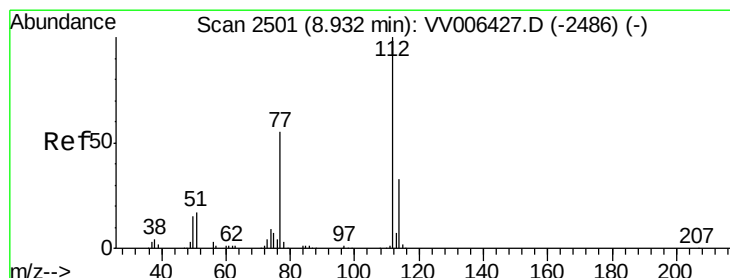
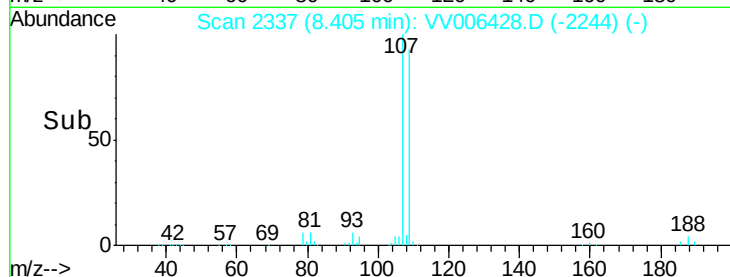
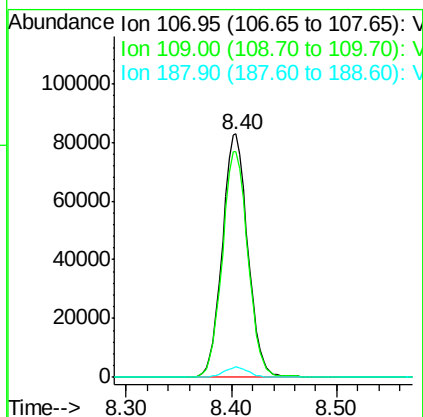
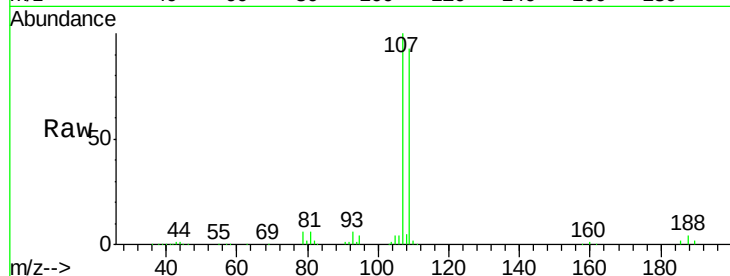




#50
1,2-Dibromoethane
Concen: 10.037 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. -0.00 min
Lab File: VV006428.D
Acq: 25 Jun 2018 12:12

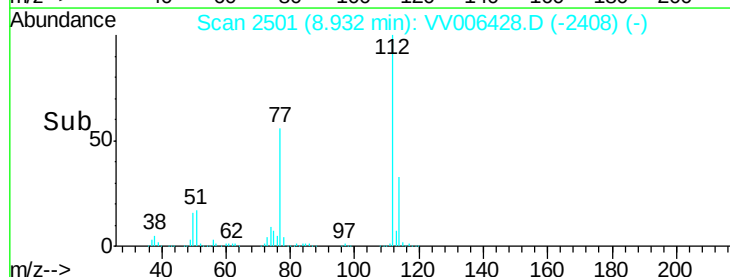
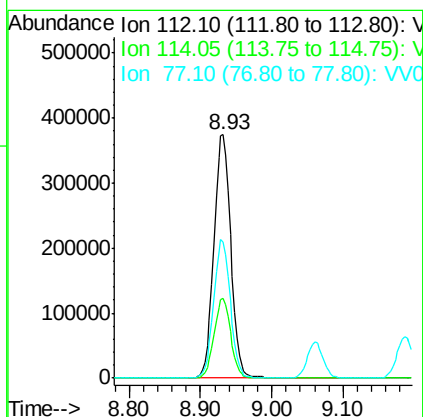
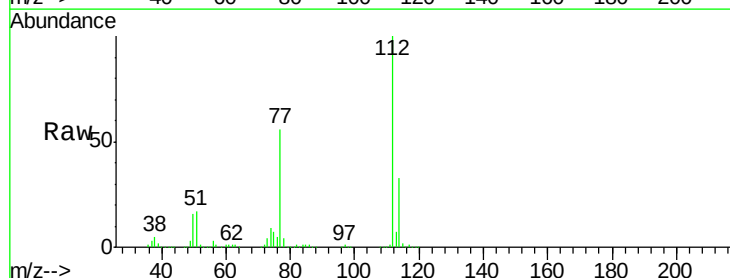
Instrument :
MSVOA_V
ClientSampleId :
VSTD01083

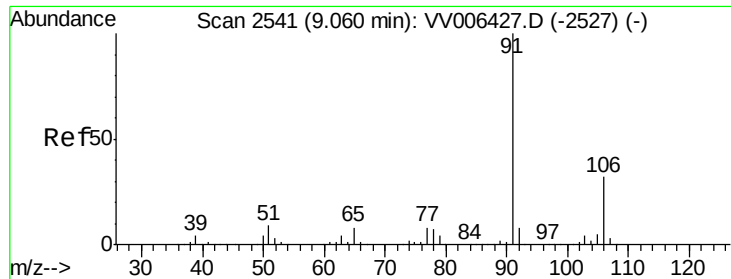
Tgt Ion:107 Resp: 138125
Ion Ratio Lower Upper
107 100
109 92.8 64.3 119.5
188 4.3 3.0 4.6



#51
Chlorobenzene
Concen: 9.655 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. -0.00 min
Lab File: VV006428.D
Acq: 25 Jun 2018 12:12

Tgt Ion:112 Resp: 613591
Ion Ratio Lower Upper
112 100
114 32.6 22.8 42.4
77 56.1 44.6 66.8





#52

Ethylbenzene

Concen: 9.951 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

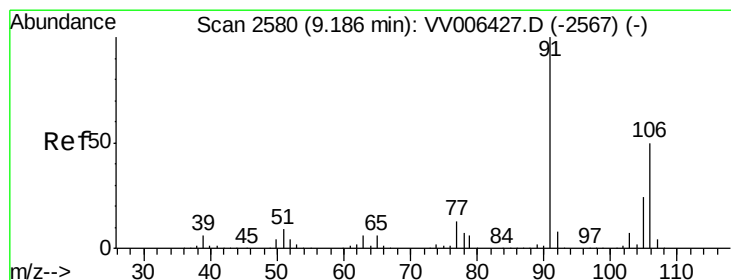
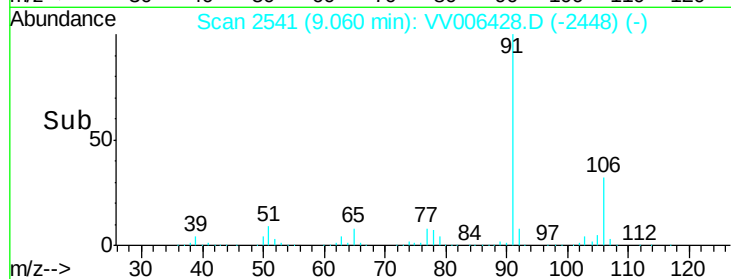
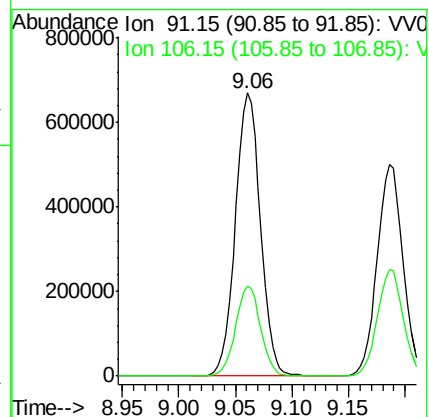
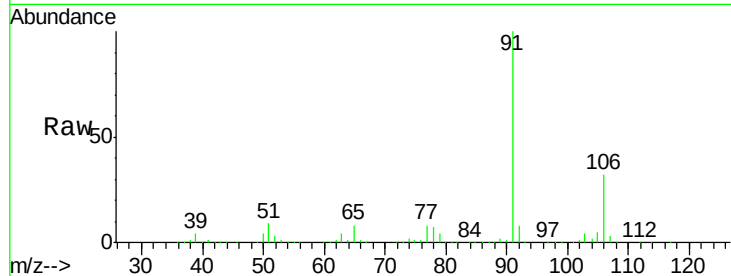
VSTD01083

Tgt Ion: 91 Resp: 1034730

Ion Ratio Lower Upper

91 100

106 31.9 22.2 41.2



#53

m,p-xylene

Concen: 10.002 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006428.D

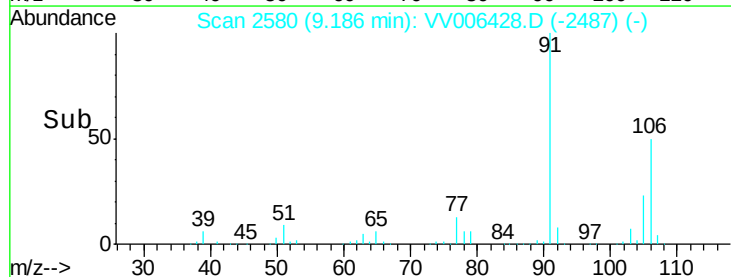
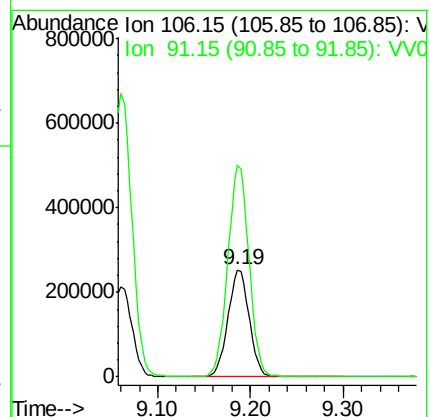
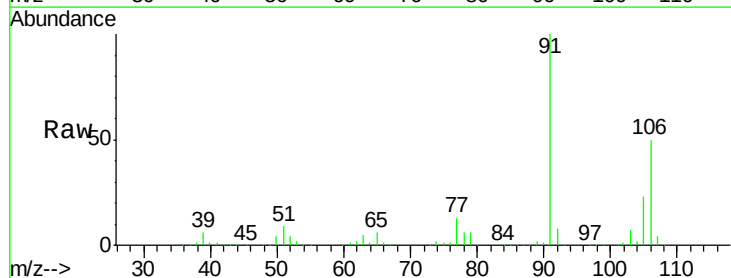
Acq: 25 Jun 2018 12:12

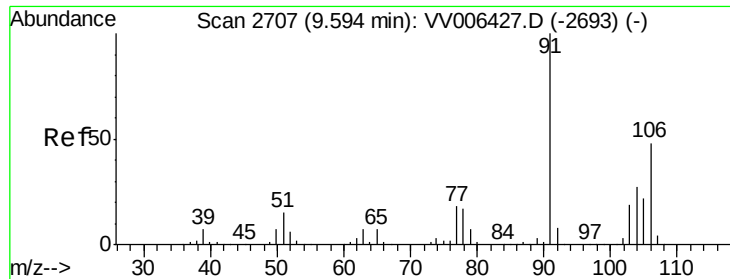
Tgt Ion: 106 Resp: 401110

Ion Ratio Lower Upper

106 100

91 198.6 138.8 257.8





#54

o-xylene

Concen: 9.939 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

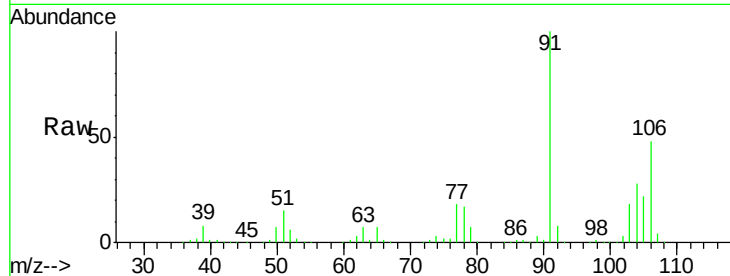
VSTD01083

Tgt Ion:106 Resp: 391007

Ion Ratio Lower Upper

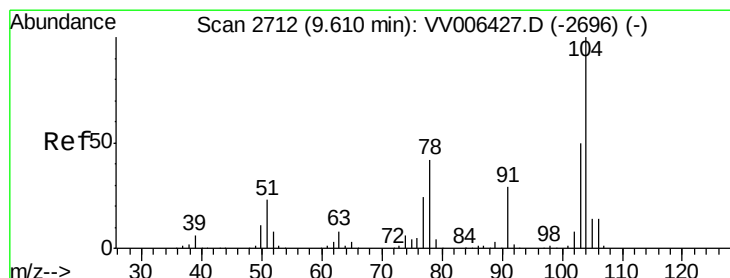
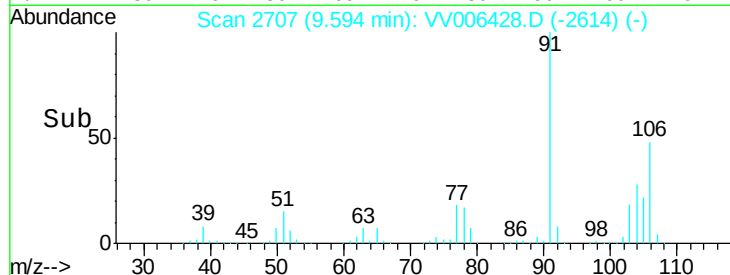
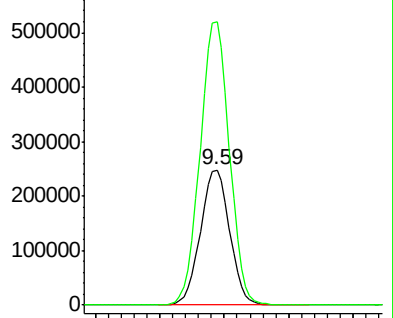
106 100

91 208.9 145.7 270.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 10.260 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VV006428.D

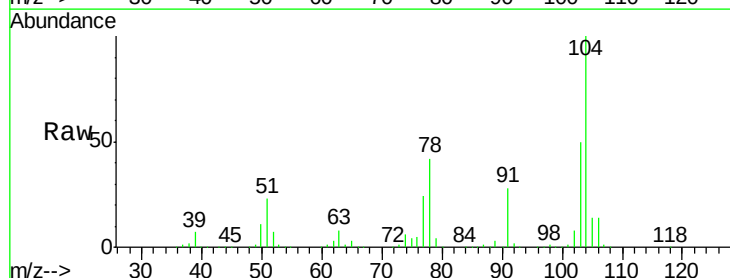
Acq: 25 Jun 2018 12:12

Tgt Ion:104 Resp: 660392

Ion Ratio Lower Upper

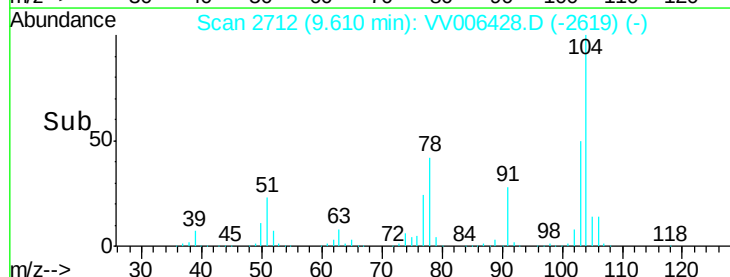
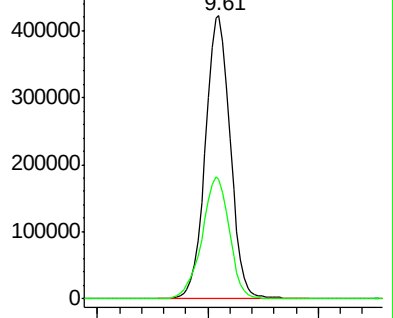
104 100

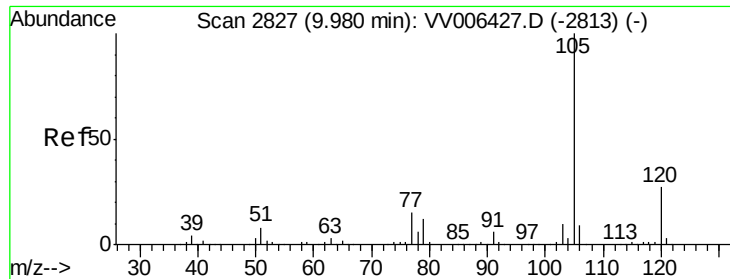
78 42.3 29.1 54.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 10.117 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD01083

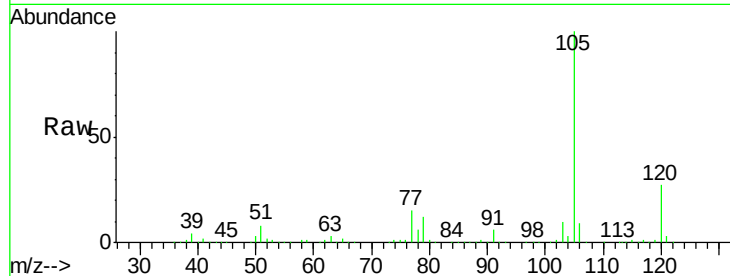
Tgt Ion:105 Resp: 1037206

Ion Ratio Lower Upper

105 100

120 26.9 21.7 32.5

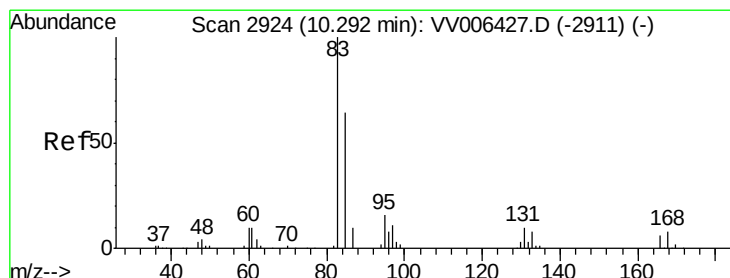
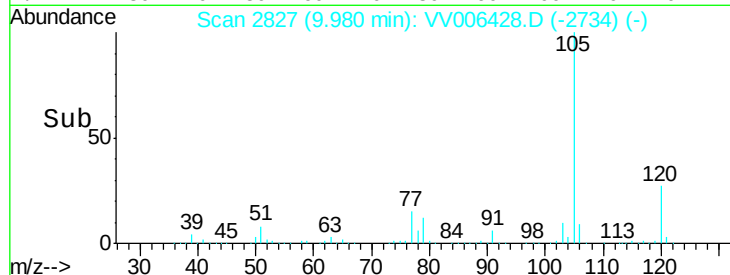
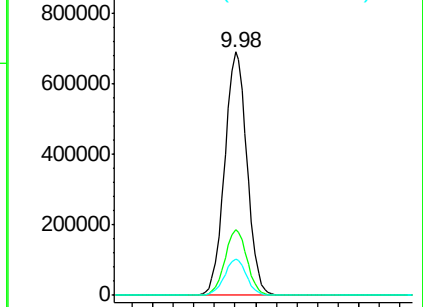
77 14.7 11.8 17.8



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: 10.115 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

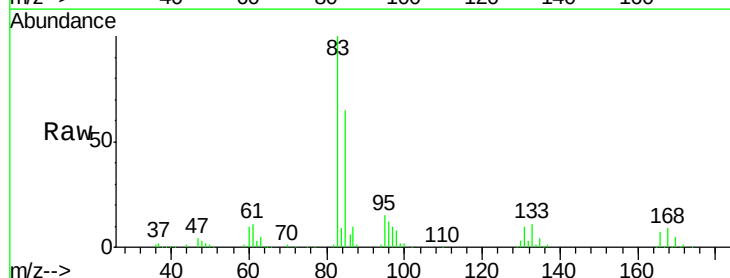
Tgt Ion: 83 Resp: 146035

Ion Ratio Lower Upper

83 100

85 64.6 44.8 83.2

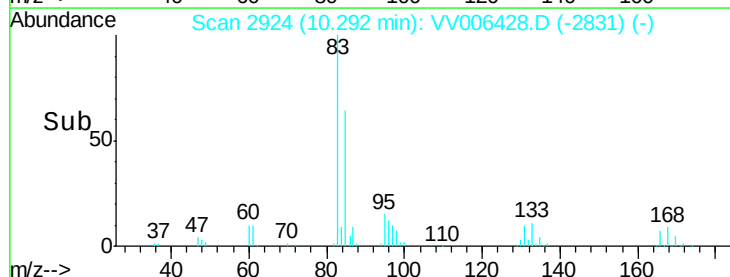
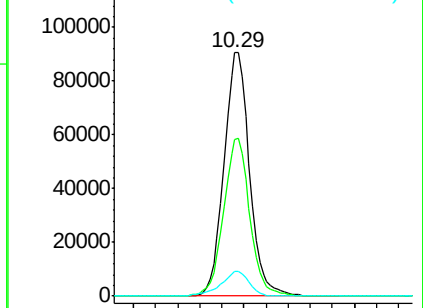
131 10.3 7.9 11.9

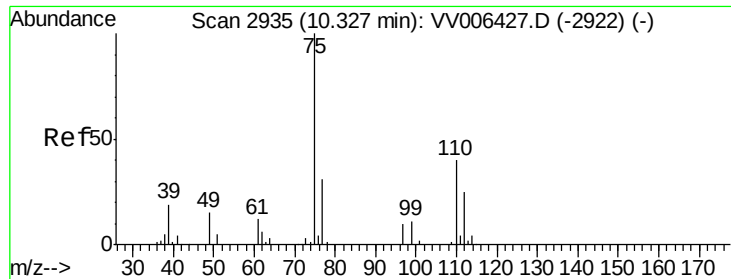


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.813 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

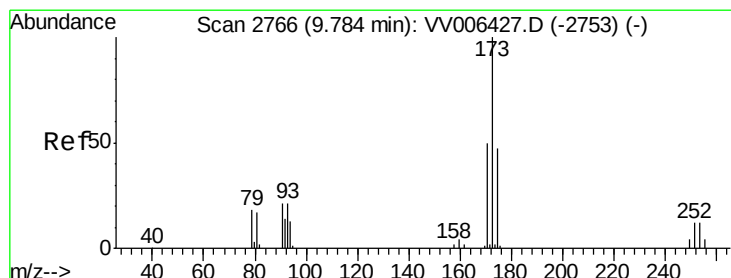
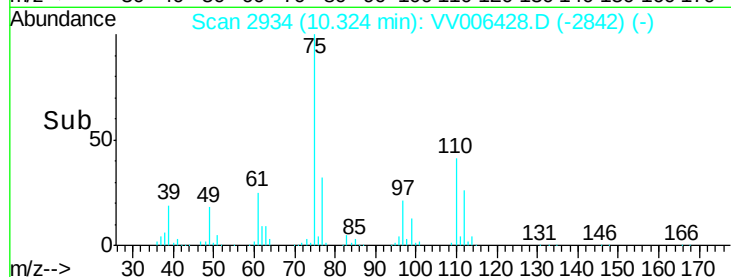
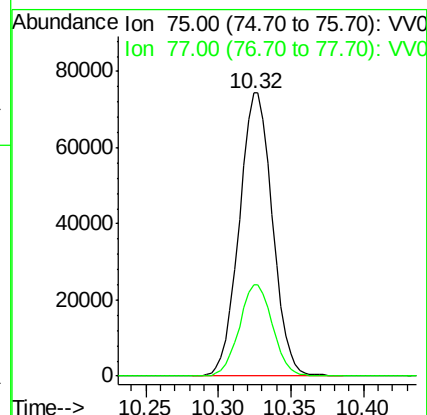
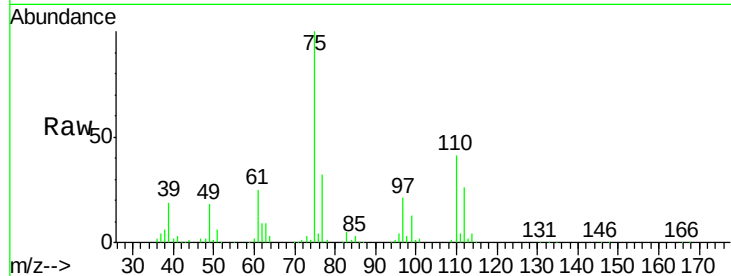
VSTD01083

Tgt Ion: 75 Resp: 118307

Ion Ratio Lower Upper

75 100

77 32.4 25.7 38.5



#61

Bromoform

Concen: 9.843 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

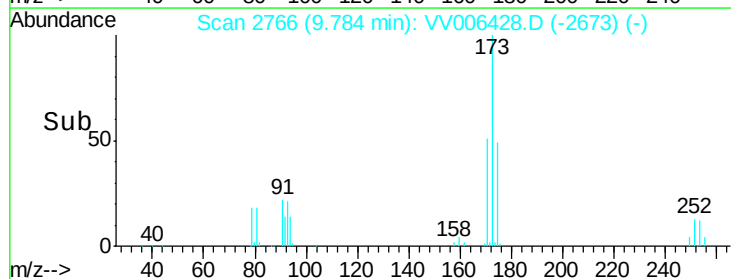
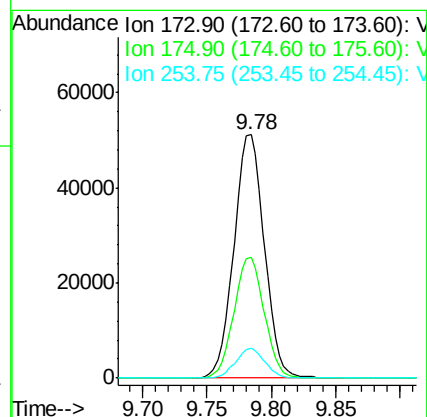
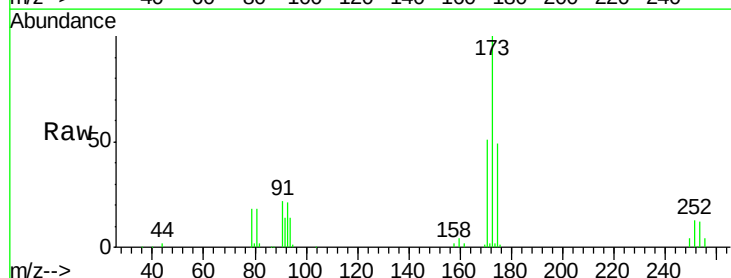
Tgt Ion: 173 Resp: 83962

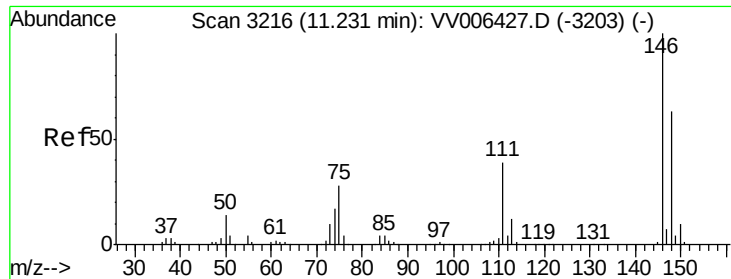
Ion Ratio Lower Upper

173 100

175 49.1 38.8 58.2

254 11.7 9.0 13.6





#62

1,3-Dichlorobenzene

Concen: 9.649 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD01083

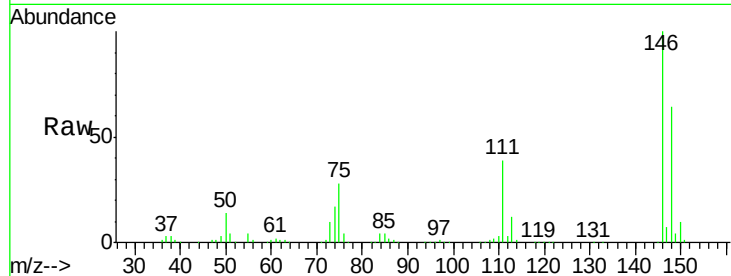
Tgt Ion:146 Resp: 483107

Ion Ratio Lower Upper

146 100

111 38.7 27.4 51.0

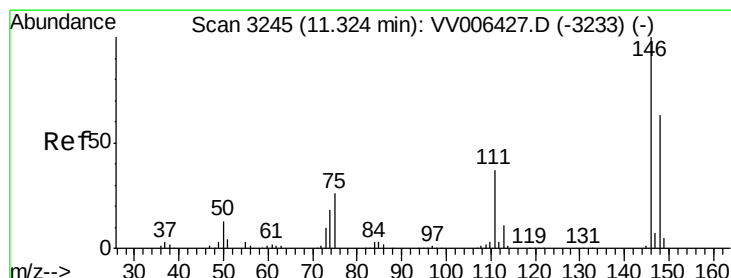
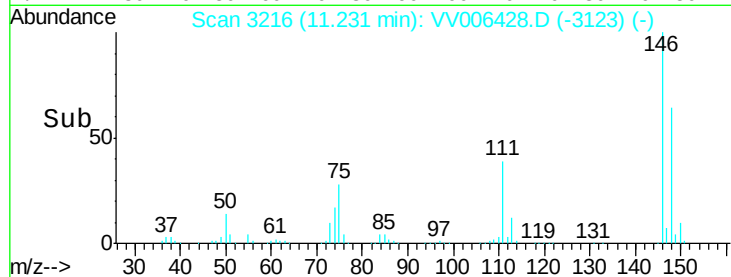
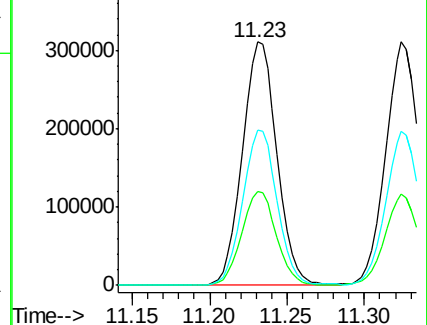
148 63.7 44.1 81.9



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: 9.542 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

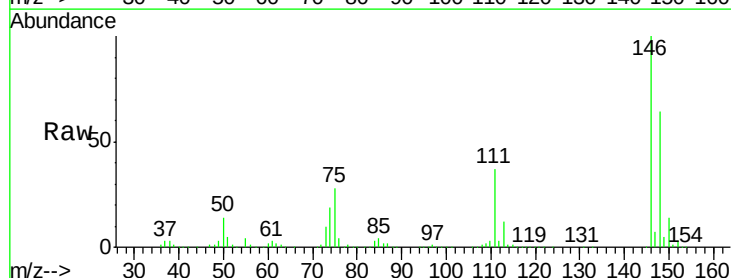
Tgt Ion:146 Resp: 477843

Ion Ratio Lower Upper

146 100

111 37.3 26.3 48.9

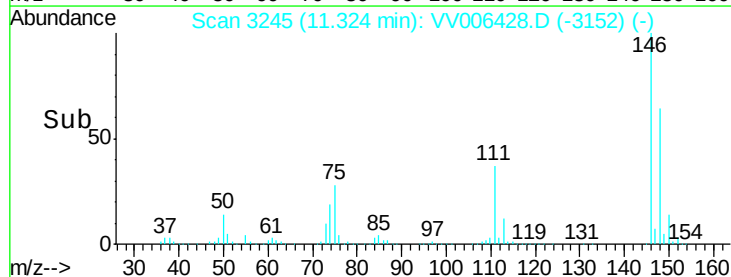
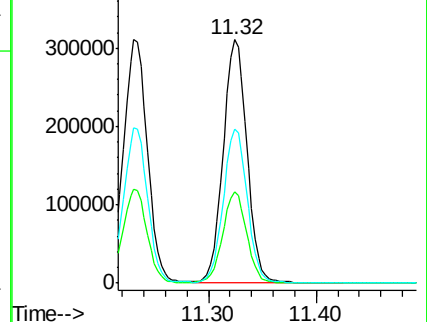
148 63.5 44.0 81.6

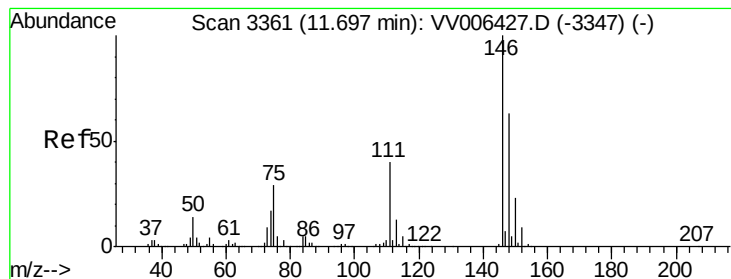


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.601 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD01083

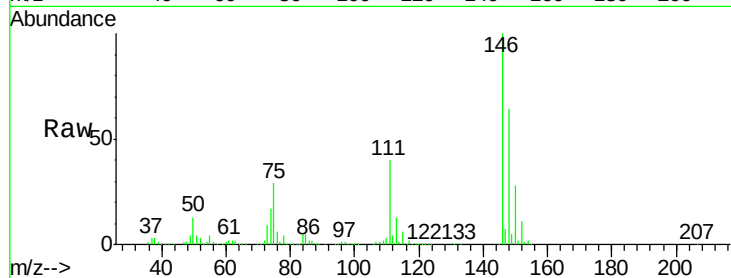
Tgt Ion: 146 Resp: 449902

Ion Ratio Lower Upper

146 100

111 40.5 32.0 48.0

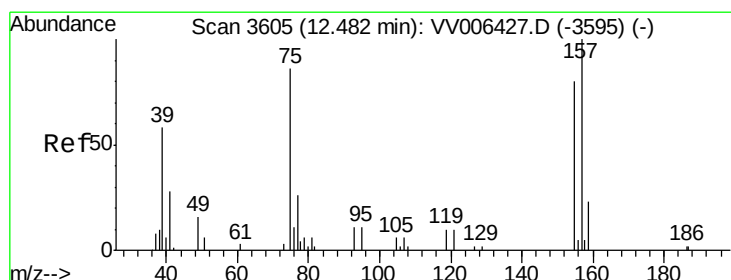
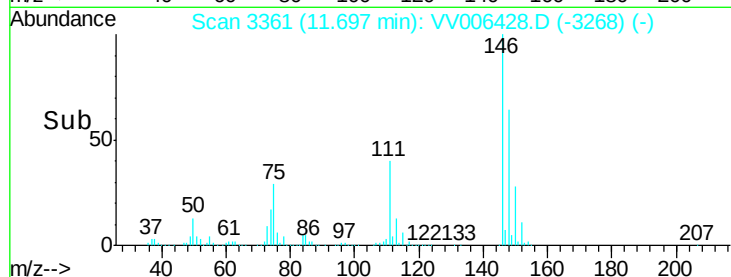
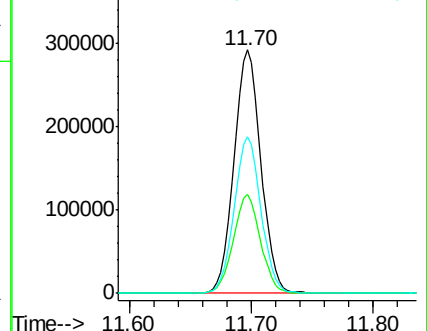
148 64.3 50.8 76.2



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: 10.313 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

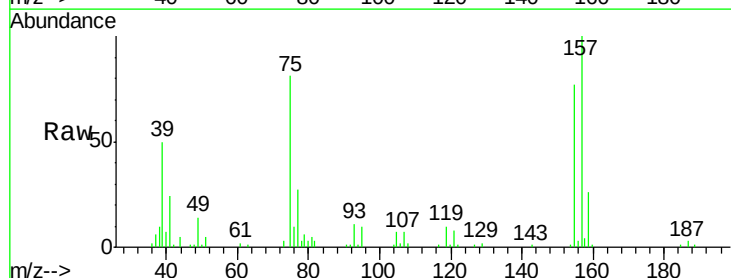
Tgt Ion: 75 Resp: 20536

Ion Ratio Lower Upper

75 100

155 95.2 73.9 110.9

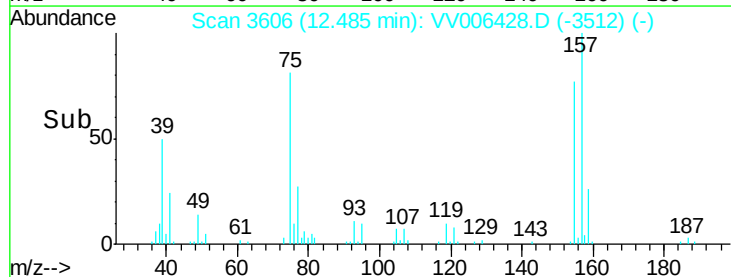
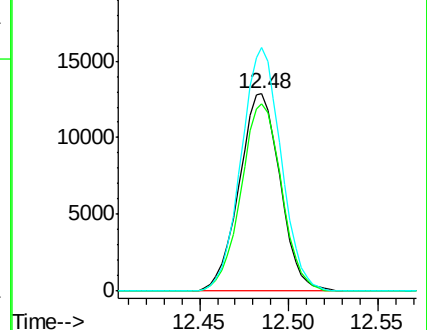
157 123.5 92.9 139.3

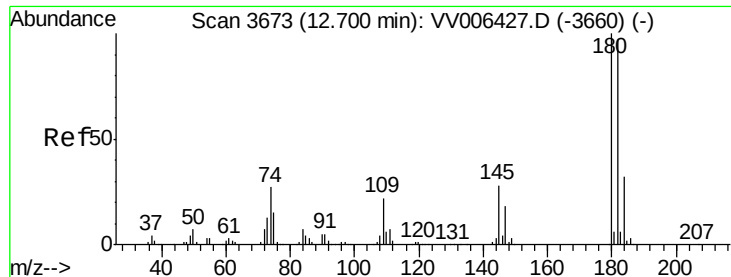


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

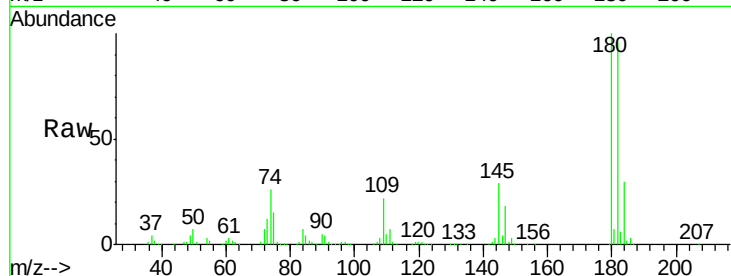




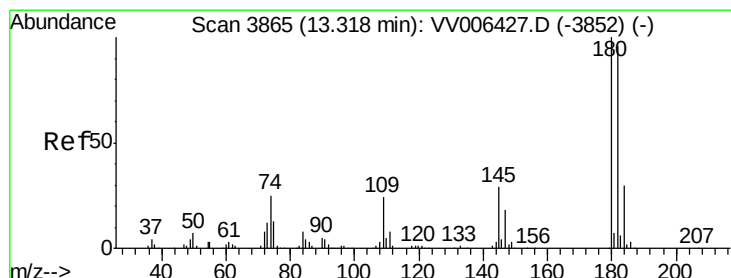
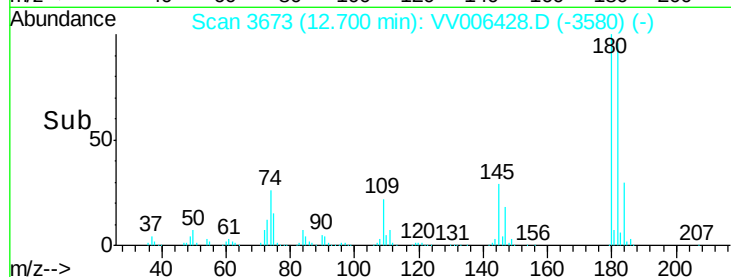
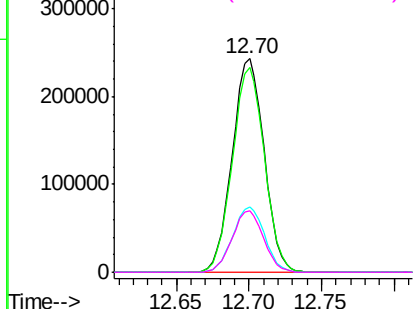
#67
 1,3,5-Trichlorobenzene
 Concen: 9.776 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV006428.D
 Acq: 25 Jun 2018 12:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01083

Tgt Ion:	180	Resp:	371897
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.6	115.0
184	30.5	24.5	36.7
145	28.3	22.6	34.0

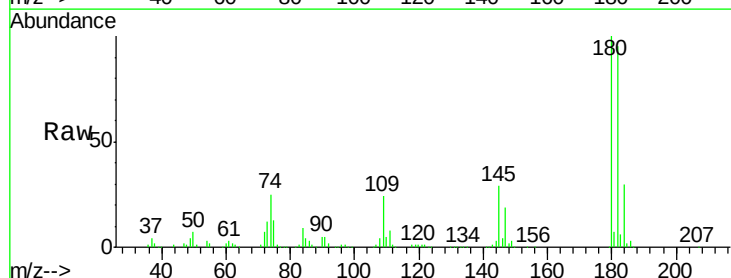


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

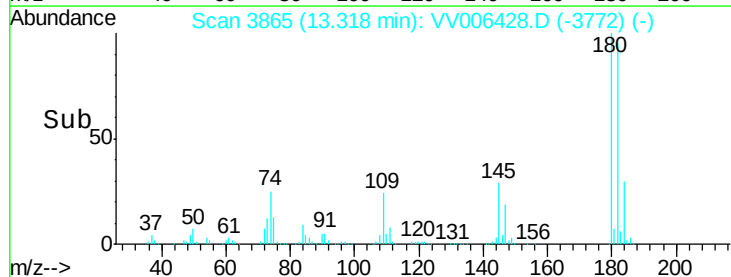
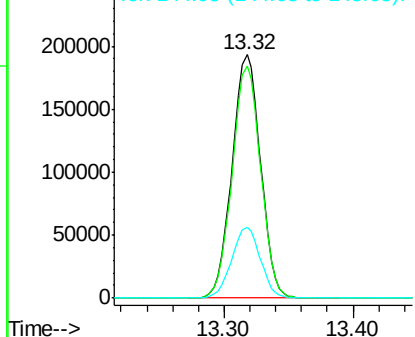


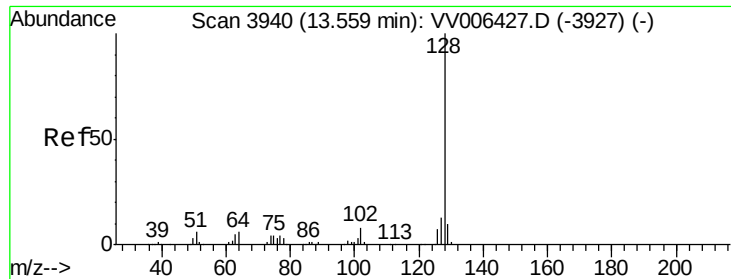
#68
 1,2,4-trichlorobenzene
 Concen: 10.628 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV006428.D
 Acq: 25 Jun 2018 12:12

Tgt Ion:	180	Resp:	296489
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.7	115.1
145	29.2	23.0	34.6



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: 11.560 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD01083

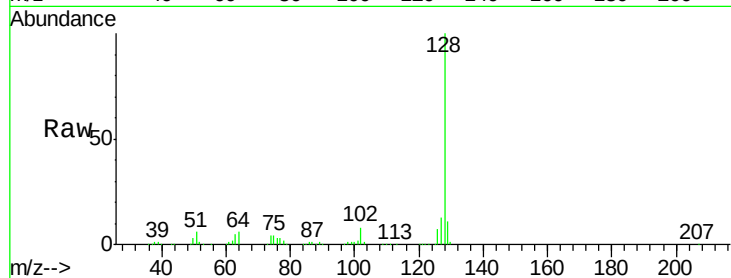
Tgt Ion:128 Resp: 471375

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

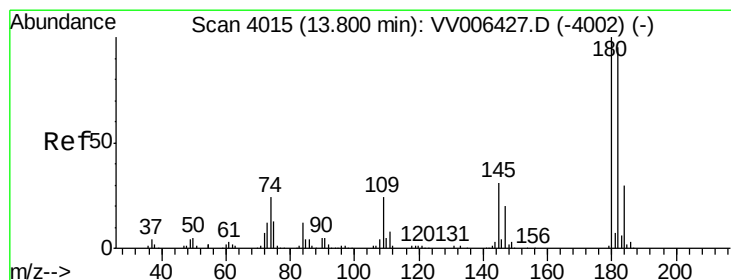
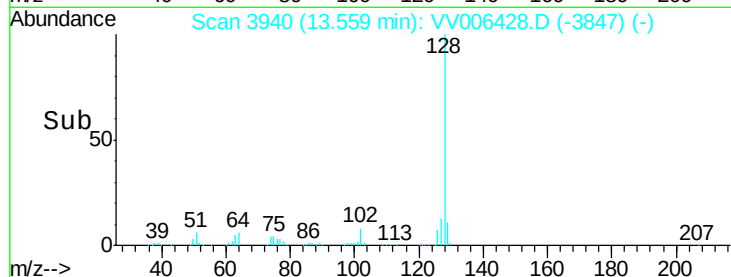
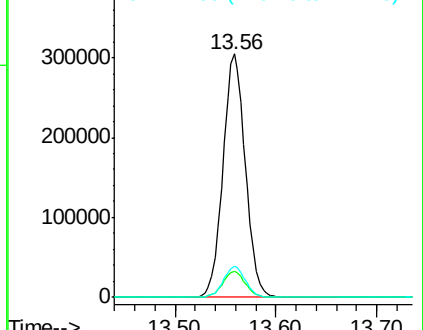
127 12.7 10.2 15.4



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: 10.533 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006428.D

Acq: 25 Jun 2018 12:12

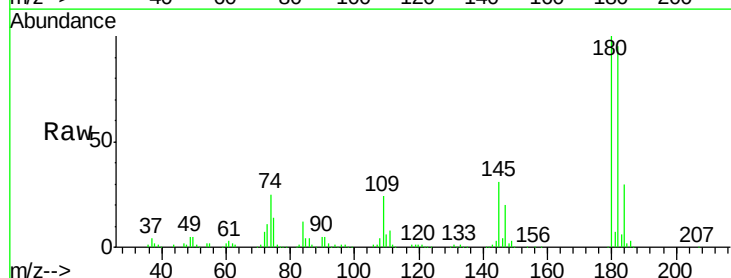
Tgt Ion:180 Resp: 273541

Ion Ratio Lower Upper

180 100

182 95.3 76.0 114.0

145 31.1 24.8 37.2



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

