

Data File : VV009857.D
Acq On : 25 Mar 2019 12:59
Operator : SY/MD
Sample : VSTD20067
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD20067

Quant Time: Mar 26 06:03:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032519WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 05:58:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	193668	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	222920	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	126420	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	343038	236.27	ug/L	0.00
7) Chloroethane-d5	1.55	69	318586	240.58	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	1096257	356.96	ug/L	0.00
21) 2-Butanone-d5	3.93	46	371702	391.65	ug/L	0.00
24) Chloroform-d	4.40	84	550695	222.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	369620	253.56	ug/L	0.00
32) Benzene-d6	5.10	84	1141214	193.60	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	340414	185.90	ug/L	0.00
41) Toluene-d8	7.36	98	1256185	224.86	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	194704	222.61	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	359970	397.79	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	704725	249.88	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	610195	235.23	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	308777	188.518	ug/L	96
3) Chloromethane	1.25	50	321949	198.927	ug/L	100
5) Vinyl chloride	1.32	62	433696	237.204	ug/L	97
6) Bromomethane	1.51	94	359885	320.074	ug/L	99
8) Chloroethane	1.57	64	374745	311.117	ug/L	95
9) Trichlorofluoromethane	1.75	101	998984	360.501	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	555897	343.409	ug/L	98
12) 1,1-Dichloroethene	2.13	96	489864	317.238	ug/L	89
13) Acetone	2.19	43	506222	512.556	ug/L	97
14) Carbon disulfide	2.31	76	674549	180.171	ug/L	100
15) Methyl Acetate	2.46	43	255504	178.357	ug/L	96
16) Methylene chloride	2.53	84	271476	185.349	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	255719	190.071	ug/L	99
18) Methyl tert-butyl Ether	2.81	73	831647	211.337	ug/L	100
19) 1,1-Dichloroethane	3.23	63	482393	202.946	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	303893	204.446	ug/L	100
22) 2-Butanone	4.02	43	431324	371.903	ug/L	98
23) Bromochloromethane	4.30	128	148087	187.963	ug/L	96
25) Chloroform	4.43	83	519000	208.376	ug/L	99
27) 1,2-Dichloroethane	5.18	62	454333	250.547	ug/L	99
29) Cyclohexane	4.72	56	455869	189.625	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	459292	190.427	ug/L	98
31) Carbon tetrachloride	4.87	117	412418	193.819	ug/L	99
33) Benzene	5.15	78	1201774	188.025	ug/L	100
34) Trichloroethene	5.96	95	288915	171.689	ug/L	97
35) Methylcyclohexane	6.18	83	511154	193.863	ug/L	98
37) 1,2-Dichloropropane	6.22	63	300646	184.193	ug/L	100
38) Bromodichloromethane	6.56	83	414069	197.484	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	519563	199.230	ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	960344	425.211	ug/L	100

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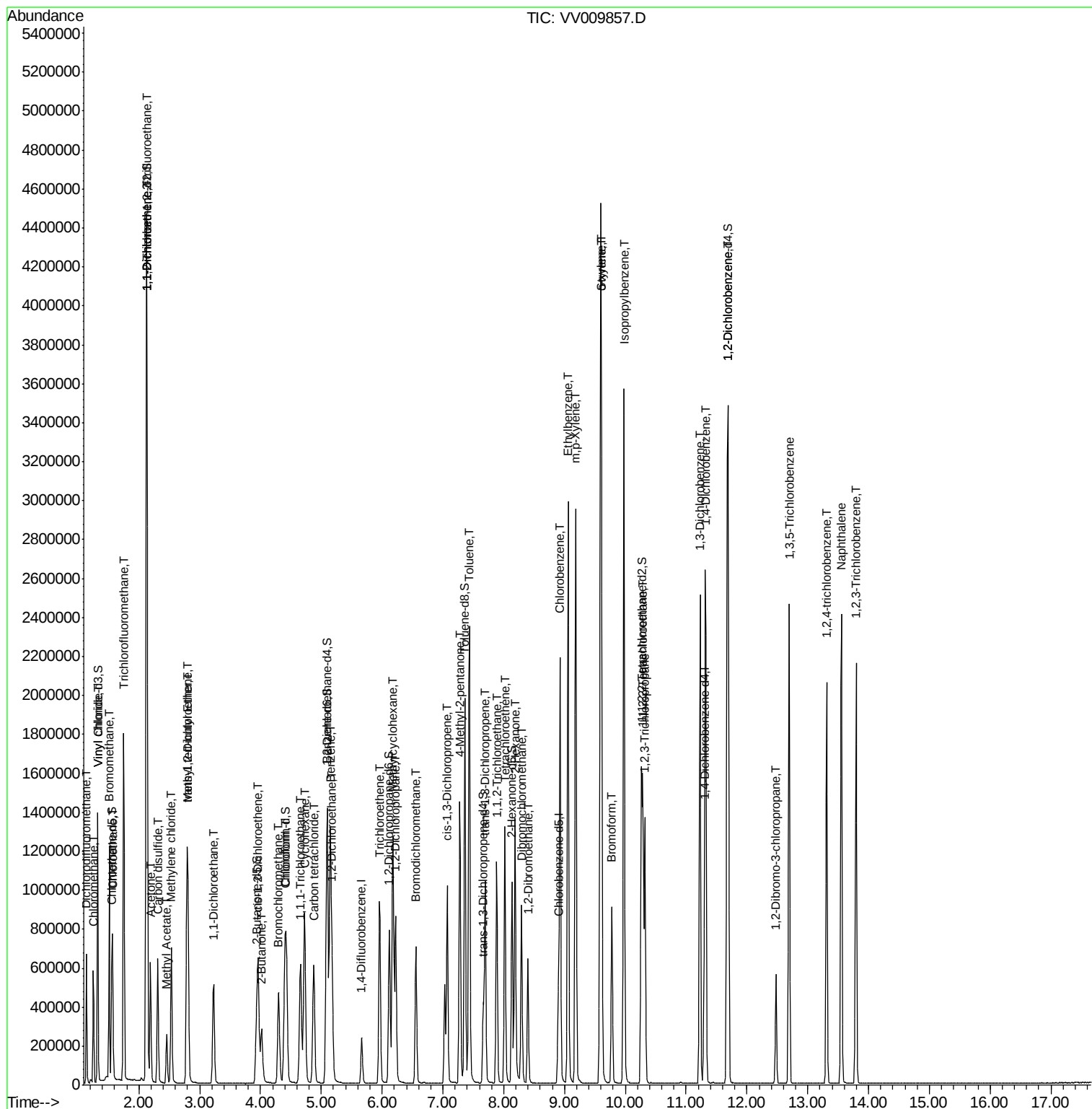
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1618041	230.683	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	526528	232.867	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	321363	191.922	ug/L	99
46) Tetrachloroethene	8.02	164	255757	183.657	ug/L	99
48) 2-Hexanone	8.19	43	849352	453.853	ug/L	99
49) Dibromochloromethane	8.29	129	412449	224.082	ug/L	96
50) 1,2-Dibromoethane	8.40	107	367887	200.128	ug/L	99
51) Chlorobenzene	8.93	112	1058329	227.789	ug/L	99
52) Ethylbenzene	9.06	91	2003531	261.886	ug/L	100
53) m,p-Xylene	9.18	106	823936	279.985	ug/L	98
54) o-xylene	9.59	106	834696	285.936	ug/L	98
55) Styrene	9.61	104	1530431	311.264	ug/L	96
56) Isopropylbenzene	9.98	105	2235888	297.523	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	669919	230.343	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	485464	219.654	ug/L	99
61) Bromoform	9.78	173	348849	224.369	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	893499	221.534	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	932109	221.900	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	983450	237.135	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	116817	176.558	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	634169	205.211	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	525359	196.365	ug/L	99
69) Naphthalene	13.55	128	1688857	203.055	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	548979	196.778	ug/L	98

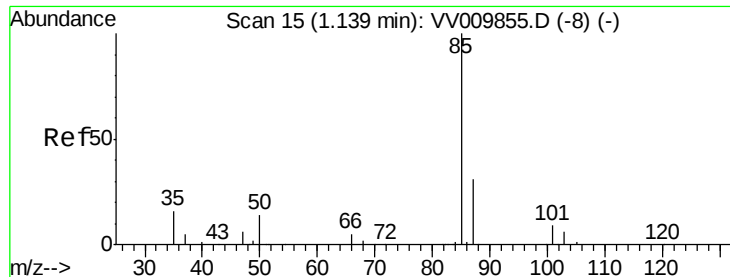
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 188.518 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

Instrument :

MSVOA_V

ClientSampleId :

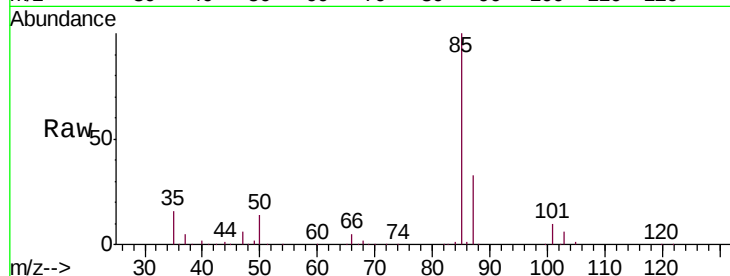
VSTD20067

Tgt Ion: 85 Resp: 308777

Ion Ratio Lower Upper

85 100

87 32.9 24.6 37.0



Abundance Ion 85.00 (84.70 to 85.70): VV009857.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009857.D (-8) (-)

1.14

300000

200000

100000

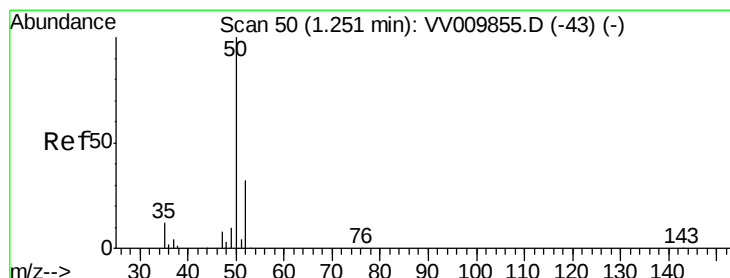
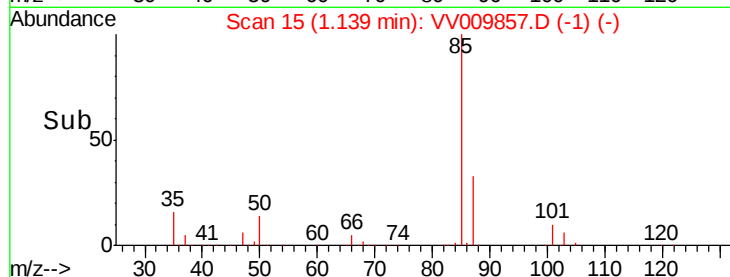
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Time-->

1.10

1.15

1.20



#3

Chloromethane

Concen: 198.927 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009857.D

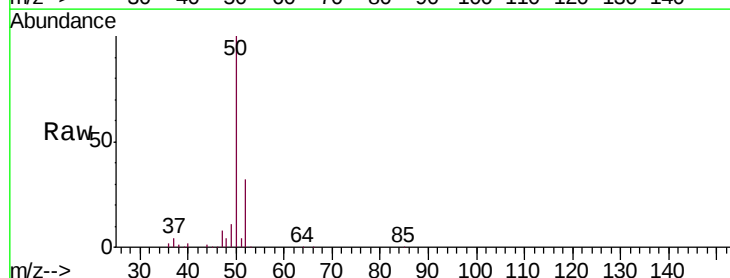
Acq: 25 Mar 2019 12:59

Tgt Ion: 50 Resp: 321949

Ion Ratio Lower Upper

50 100

52 32.1 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VV009857.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009857.D (-43) (-)

1.25

400000

300000

200000

100000

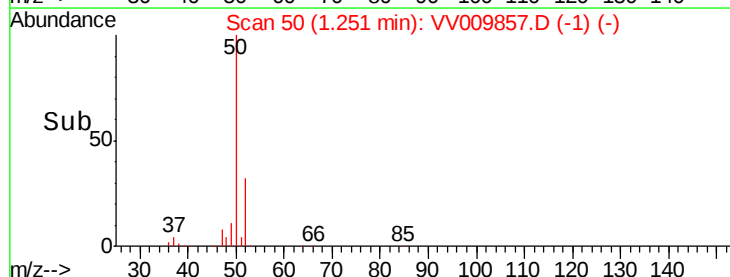
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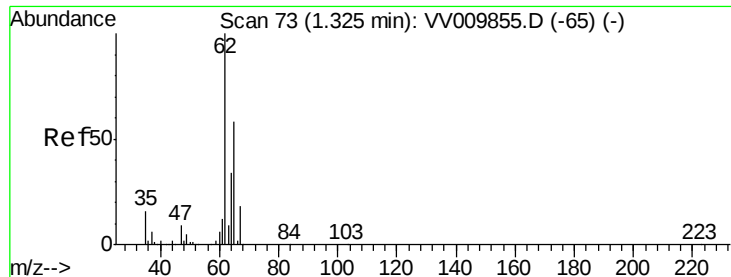
Time-->

1.20

1.25

1.30





#5

Vinyl chloride

Concen: 237.204 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

Instrument :

MSVOA_V

ClientSampleId :

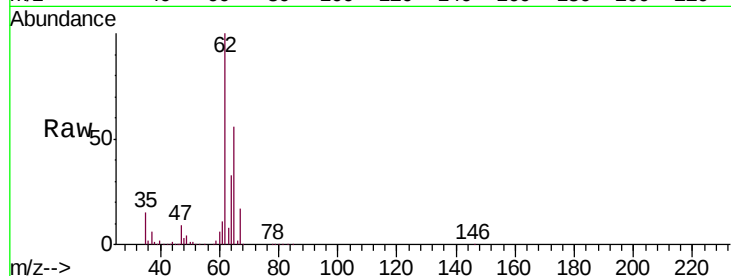
VSTD20067

Tgt Ion: 62 Resp: 433696

Ion Ratio Lower Upper

62 100

64 32.7 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VV009857.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV009857.D (-65) (-)

1.32

400000

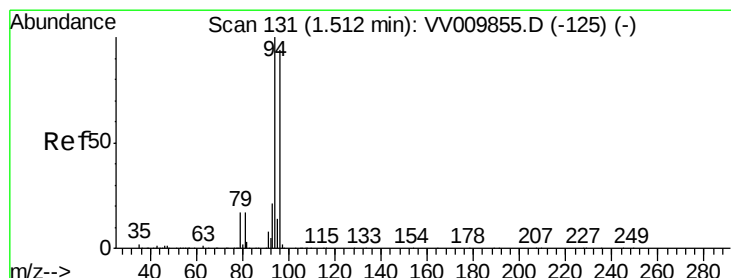
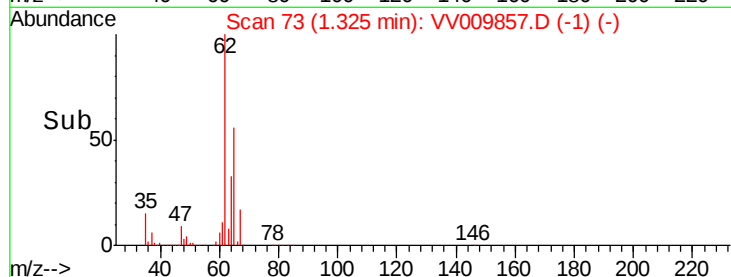
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 320.074 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.00 min

Lab File: VV009857.D

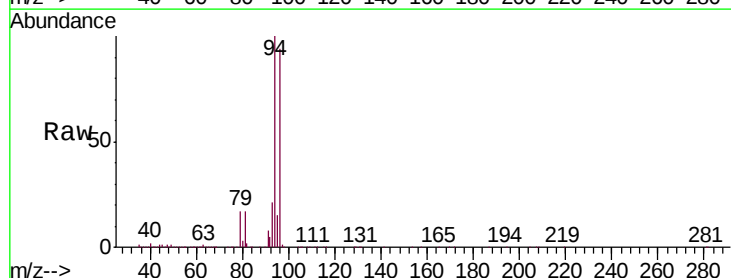
Acq: 25 Mar 2019 12:59

Tgt Ion: 94 Resp: 359885

Ion Ratio Lower Upper

94 100

96 94.3 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV009857.D (-125) (-)

Ion 96.00 (95.70 to 96.70): VV009857.D (-125) (-)

1.51

400000

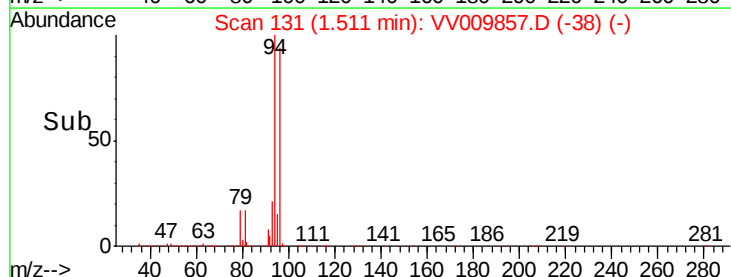
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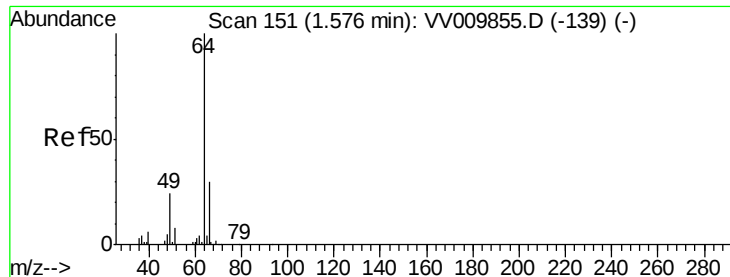
200000

100000

0

Time-->





#8

Chloroethane

Concen: 311.117 ug/L

RT: 1.57 min Scan# 148

Delta R.T. -0.01 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

Instrument :

MSVOA_V

ClientSampleId :

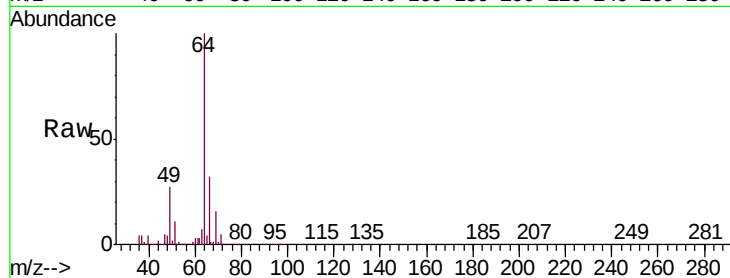
VSTD20067

Tgt Ion: 64 Resp: 374745

Ion Ratio Lower Upper

64 100

66 32.5 20.9 38.7



Abundance Ion 64.00 (63.70 to 64.70): VV009857.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV009857.D (-148) (-)

1.57

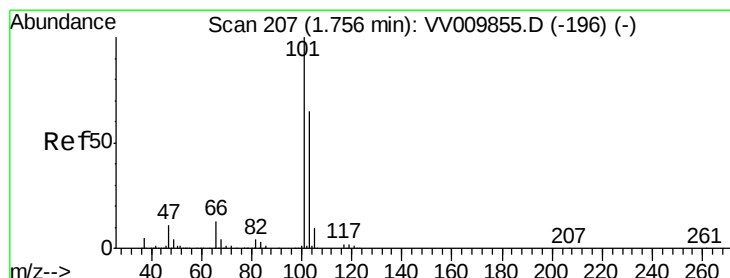
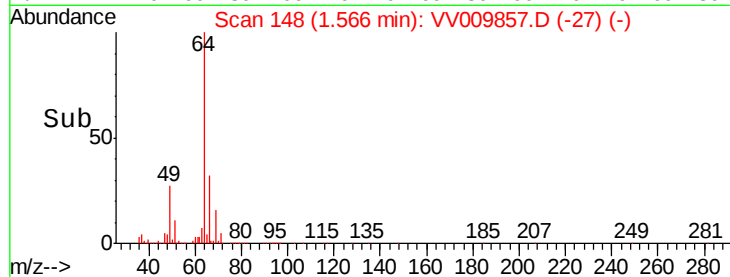
300000

200000

100000

0

Time-->



#9

Trichlorofluoromethane

Concen: 360.501 ug/L

RT: 1.75 min Scan# 205

Delta R.T. -0.01 min

Lab File: VV009857.D

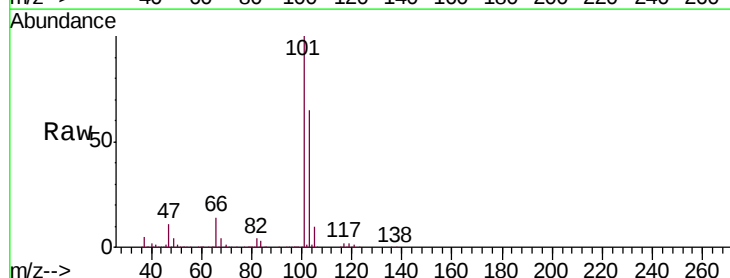
Acq: 25 Mar 2019 12:59

Tgt Ion: 101 Resp: 998984

Ion Ratio Lower Upper

101 100

103 64.8 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VV009857.D (-205) (-)

Ion 103.00 (102.70 to 103.70): VV009857.D (-205) (-)

1.75

800000

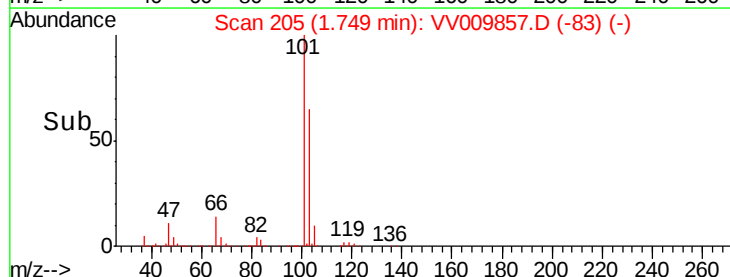
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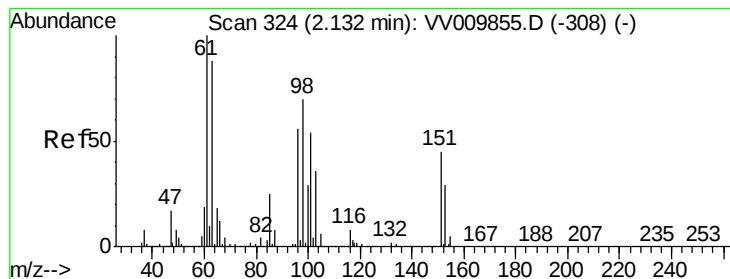
400000

200000

0

Time-->





#10

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

Concen: 343.409 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD20067

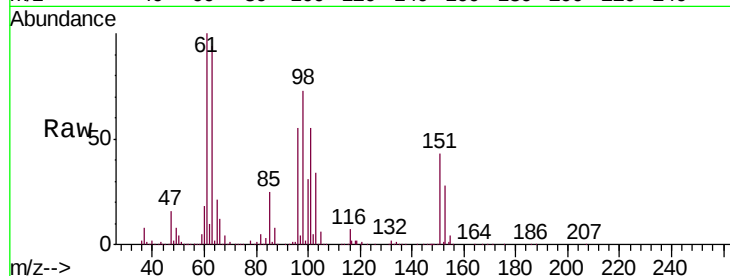
Tgt Ion:101 Resp: 555897

Ion Ratio Lower Upper

101 100

85 45.2 37.0 55.4

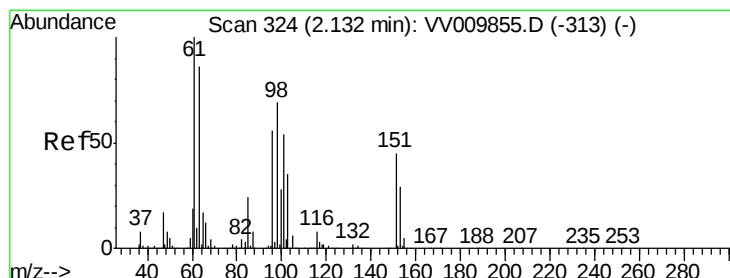
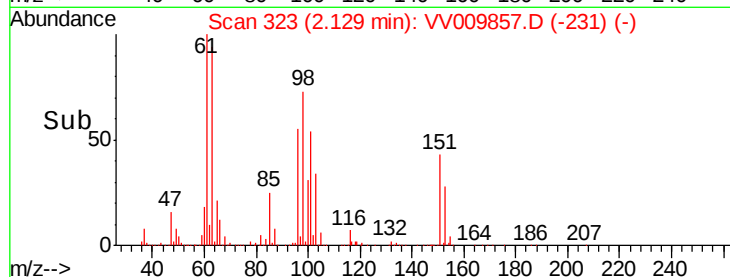
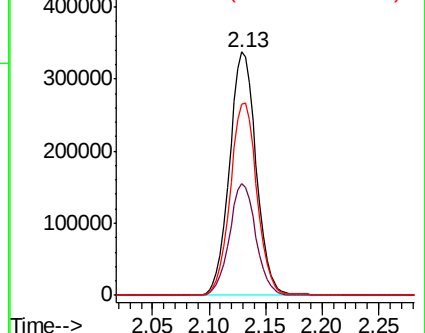
151 79.2 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 317.238 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

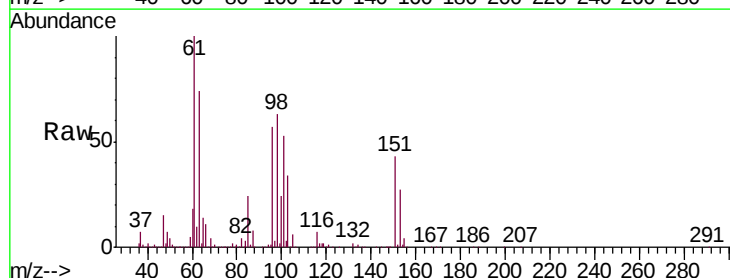
Tgt Ion: 96 Resp: 489864

Ion Ratio Lower Upper

96 100

61 175.3 125.3 232.7

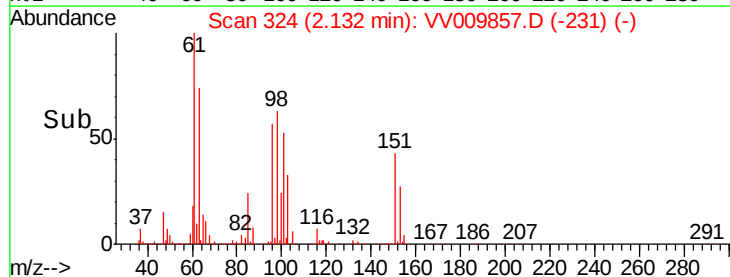
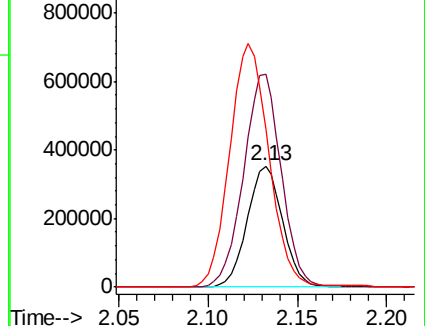
63 130.5 109.7 203.7

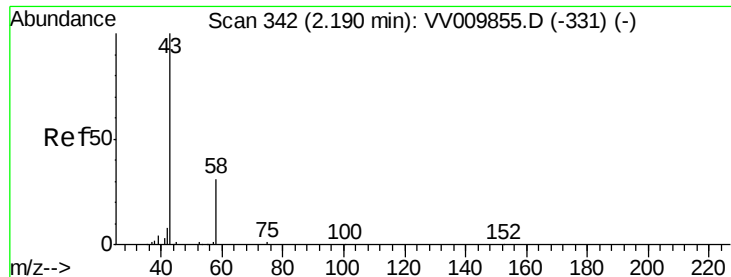


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 512.556 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

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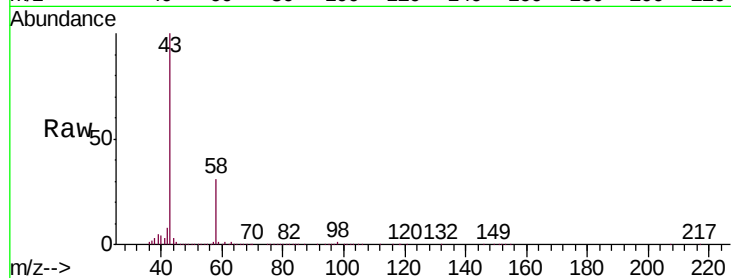
VSTD20067

Tgt Ion: 43 Resp: 506222

Ion Ratio Lower Upper

43 100

58 30.8 0.0 65.2



Abundance Ion 43.00 (42.70 to 43.70): VV009855.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009855.D (-331) (-)

2.19

400000

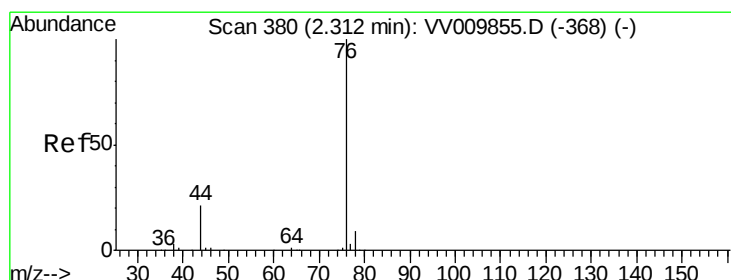
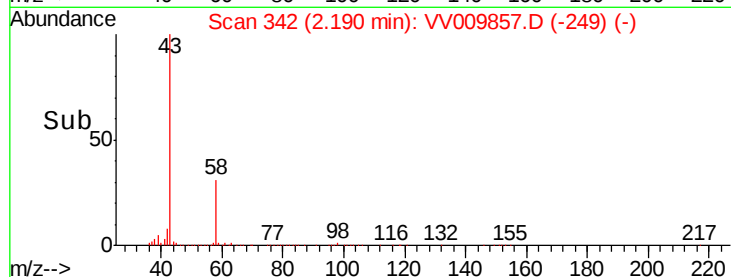
300000

200000

100000

0

Time-->



#14

Carbon disulfide

Concen: 180.171 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV009857.D

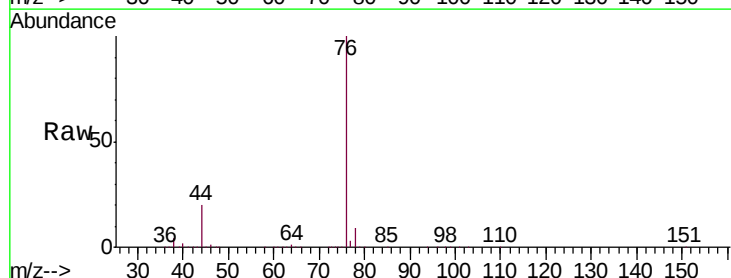
Acq: 25 Mar 2019 12:59

Tgt Ion: 76 Resp: 674549

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV009855.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV009855.D (-368) (-)

2.31

500000

400000

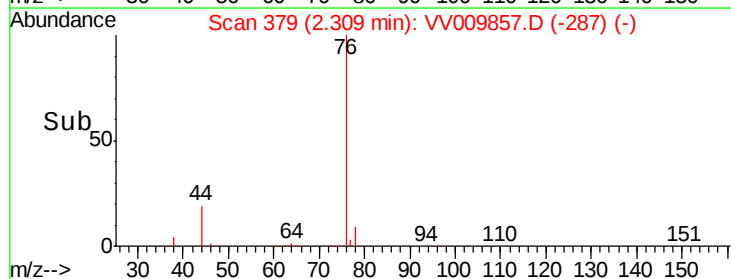
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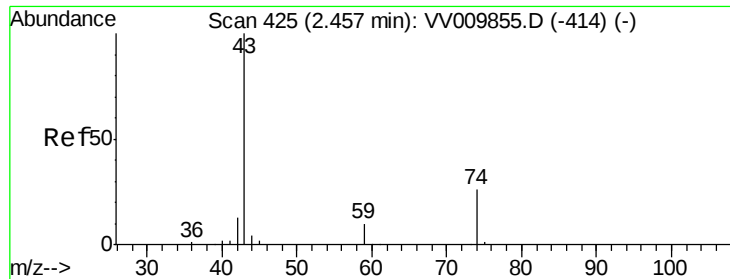
200000

100000

0

Time-->





#15

Methyl Acetate

Concen: 178.357 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

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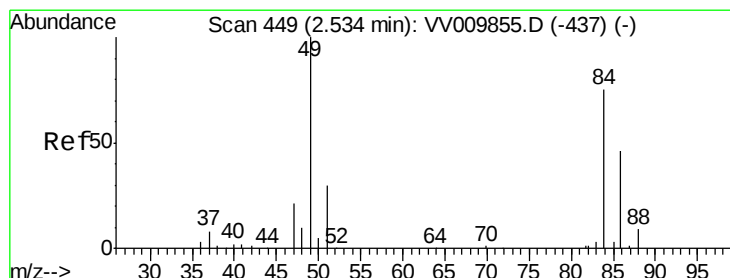
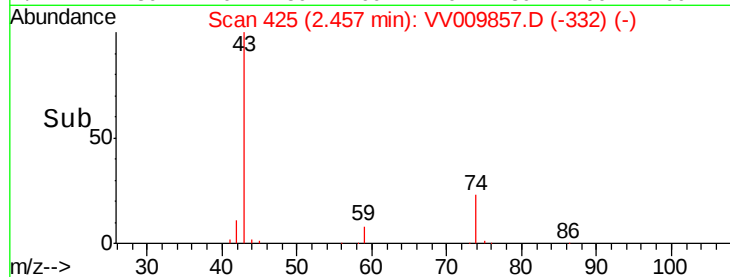
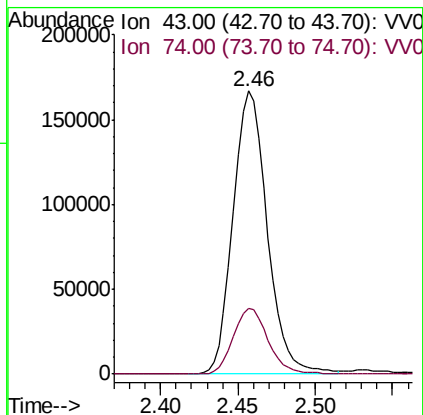
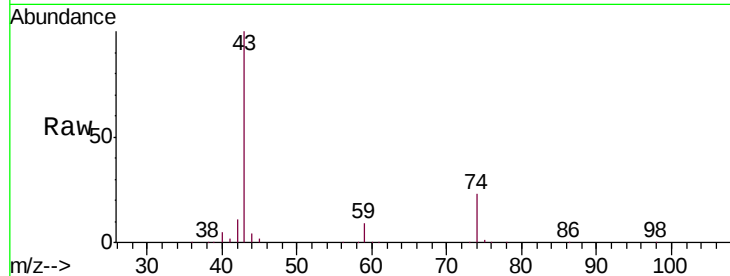
VSTD20067

Tgt Ion: 43 Resp: 255504

Ion Ratio Lower Upper

43 100

74 23.8 20.6 31.0



#16

Methylene chloride

Concen: 185.349 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

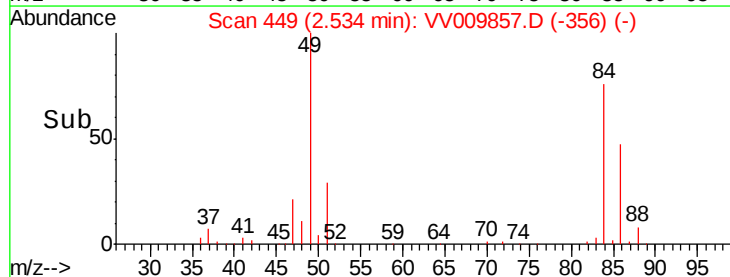
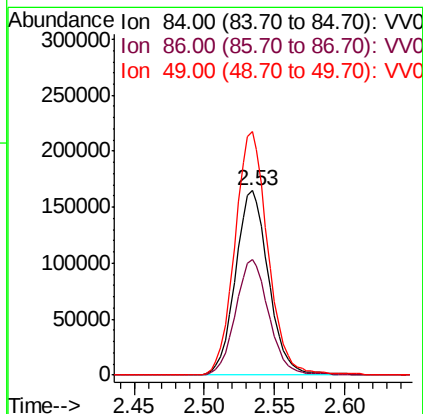
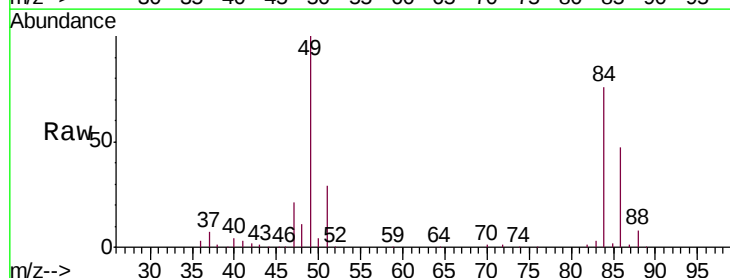
Tgt Ion: 84 Resp: 271476

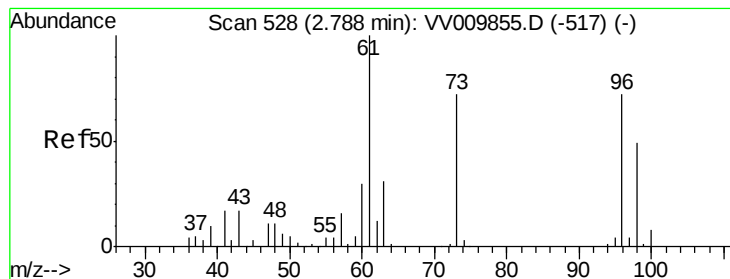
Ion Ratio Lower Upper

84 100

86 62.6 42.8 79.4

49 132.1 93.7 173.9





#17

trans-1,2-Dichloroethene

Concen: 190.071 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD20067

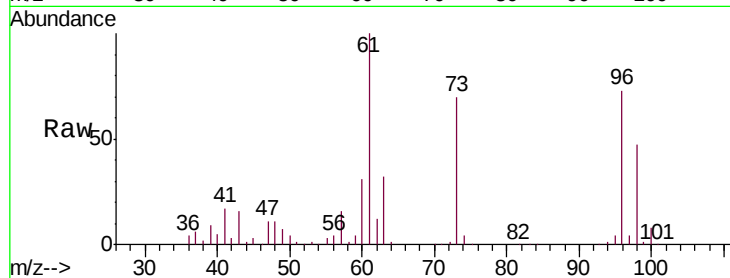
Tgt Ion: 96 Resp: 255719

Ion Ratio Lower Upper

96 100

61 137.6 96.9 179.9

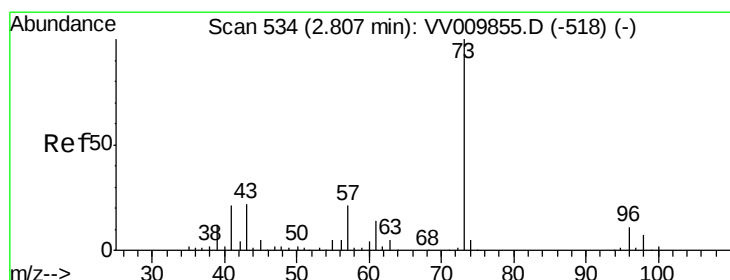
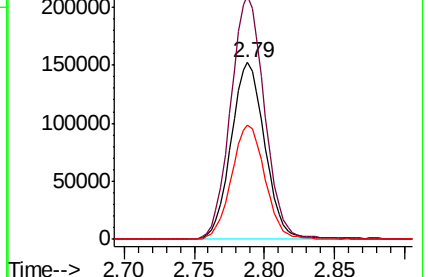
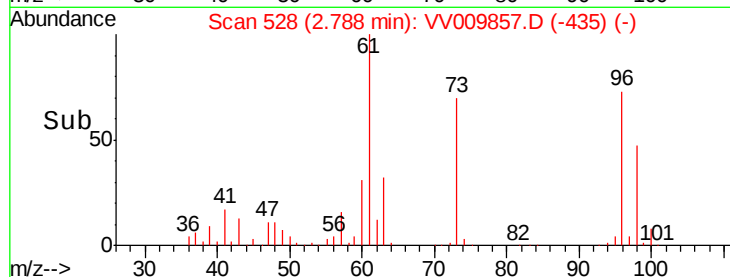
98 64.9 46.8 87.0



Abundance Ion 96.00 (95.70 to 96.70): VV009857.D (-435) (-)

Ion 61.00 (60.70 to 61.70): VV009857.D (-435) (-)

Ion 98.00 (97.70 to 98.70): VV009857.D (-435) (-)



#18

Methyl tert-butyl Ether

Concen: 211.337 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

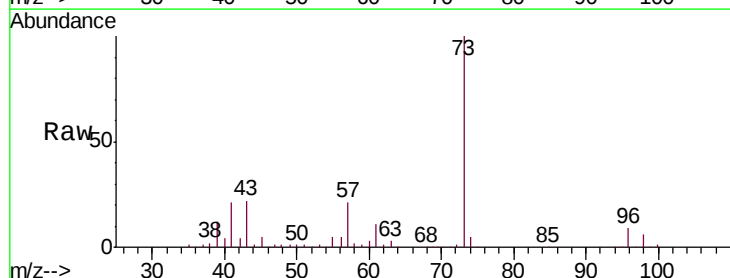
Tgt Ion: 73 Resp: 831647

Ion Ratio Lower Upper

73 100

43 21.4 17.1 25.7

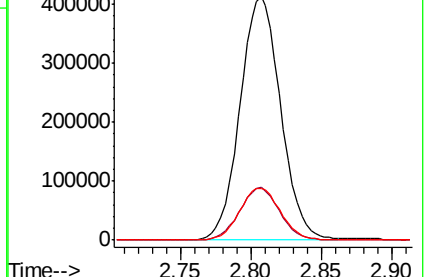
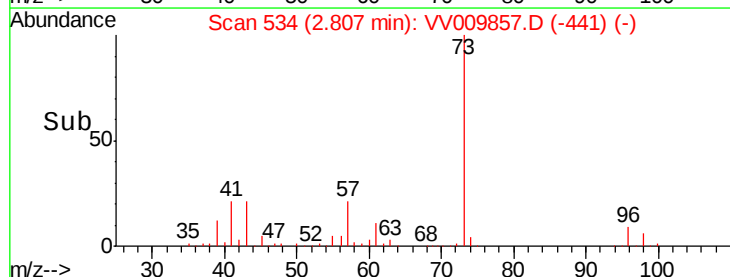
57 21.5 16.9 25.3

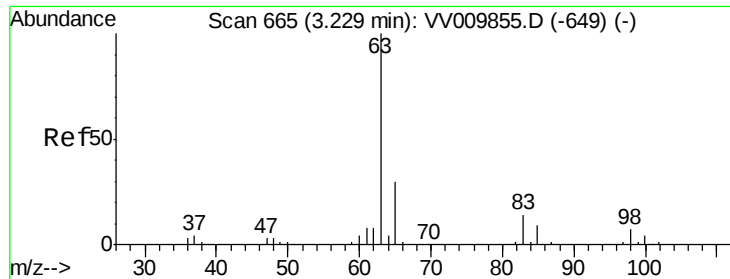


Abundance Ion 73.00 (72.70 to 73.70): VV009857.D (-441) (-)

Ion 43.00 (42.70 to 43.70): VV009857.D (-441) (-)

Ion 57.00 (56.70 to 57.70): VV009857.D (-441) (-)





#19

1,1-Dichloroethane

Concen: 202.946 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD20067

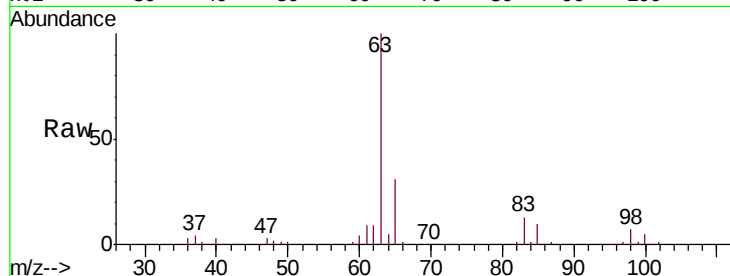
Tgt Ion: 63 Resp: 482393

Ion Ratio Lower Upper

63 100

65 30.9 20.8 38.6

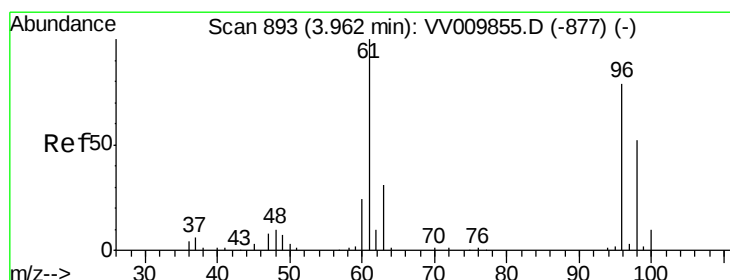
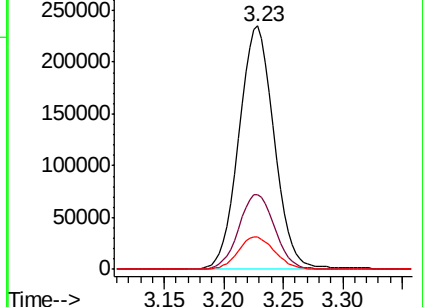
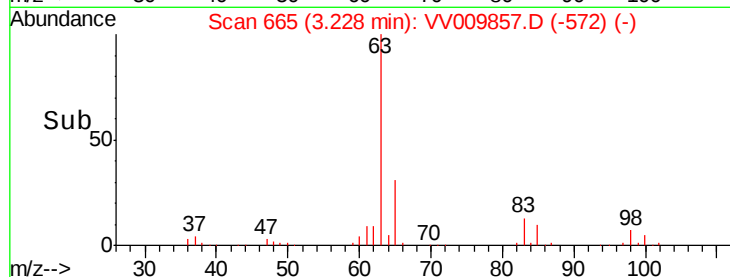
83 13.1 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VV009857.D (-572) (-)

Ion 65.00 (64.70 to 65.70): VV009857.D (-572) (-)

Ion 83.00 (82.70 to 83.70): VV009857.D (-572) (-)



#20

cis-1,2-Dichloroethene

Concen: 204.446 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

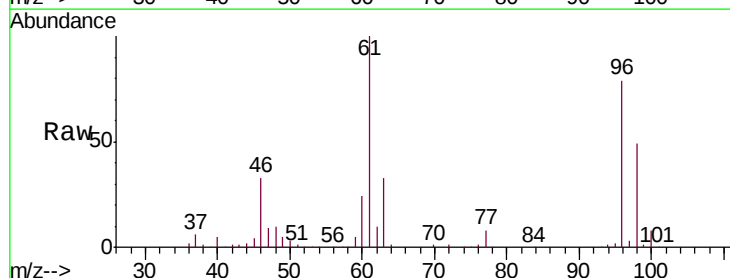
Tgt Ion: 96 Resp: 303893

Ion Ratio Lower Upper

96 100

61 127.2 89.4 166.0

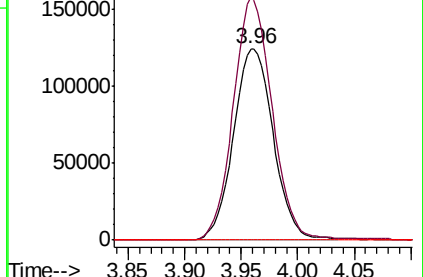
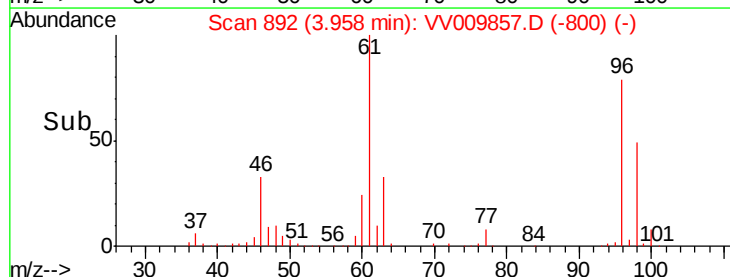
68 0.0 0.0 0.0

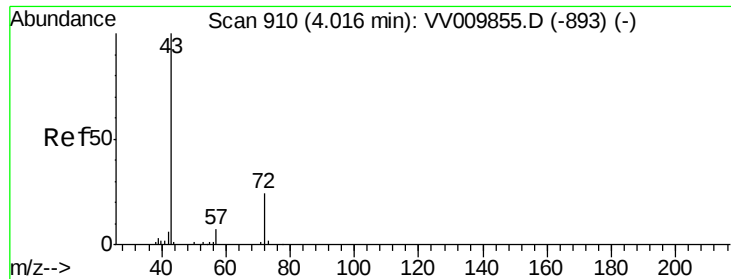


Abundance Ion 96.00 (95.70 to 96.70): VV009857.D (-800) (-)

Ion 61.00 (60.70 to 61.70): VV009857.D (-800) (-)

Ion 68.00 (67.70 to 68.70): VV009857.D (-800) (-)





#22

2-Butanone

Concen: 371.903 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

Instrument :

MSVOA_V

ClientSampleId :

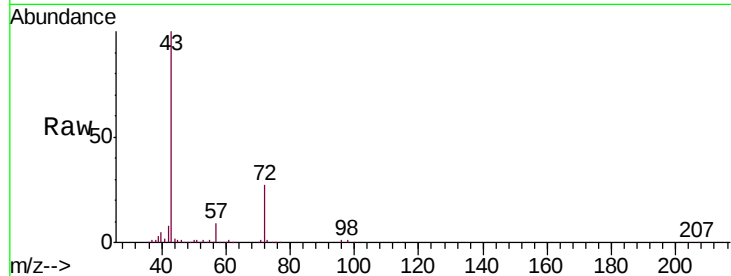
VSTD20067

Tgt Ion: 43 Resp: 431324

Ion Ratio Lower Upper

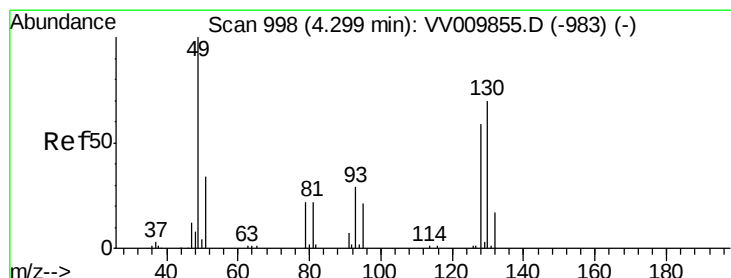
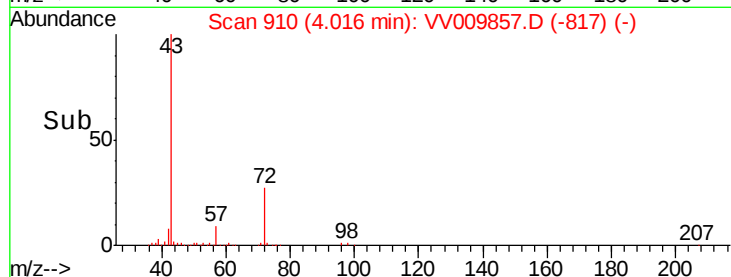
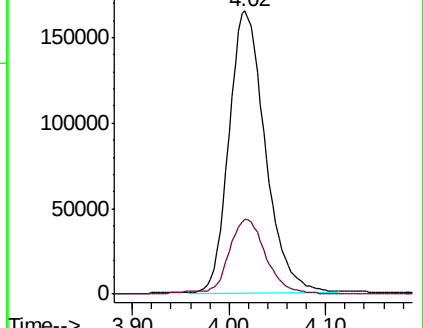
43 100

72 26.2 12.6 37.8



Abundance Ion 43.00 (42.70 to 43.70): VV009857.D (-817) (-)

Ion 72.00 (71.70 to 72.70): VV009857.D (-817) (-)



#23

Bromochloromethane

Concen: 187.963 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

Tgt Ion: 128 Resp: 148087

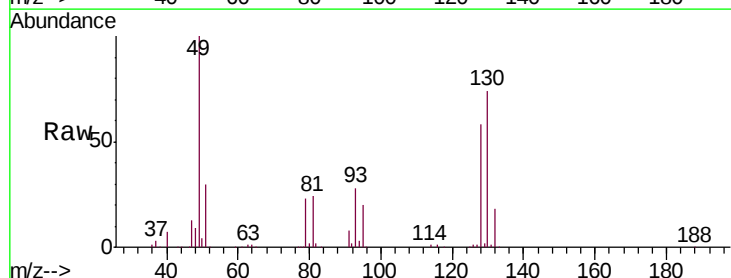
Ion Ratio Lower Upper

128 100

49 172.5 120.5 223.9

130 128.2 84.0 156.0

51 51.9 46.9 70.3

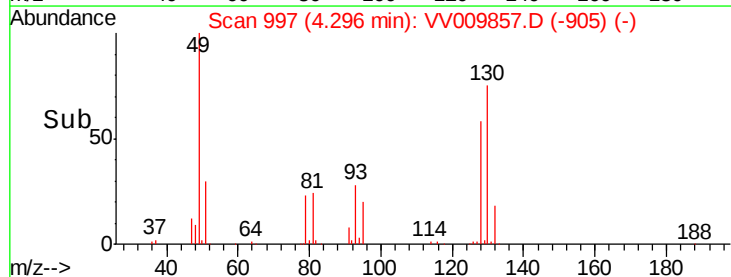
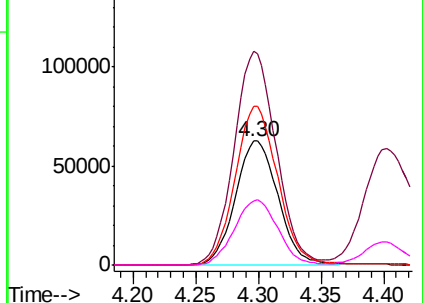


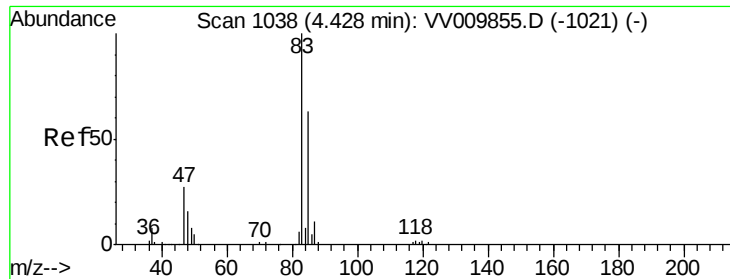
Abundance Ion 128.00 (127.70 to 128.70): VV009857.D (-905) (-)

Ion 49.00 (48.70 to 49.70): VV009857.D (-905) (-)

Ion 130.00 (129.70 to 130.70): VV009857.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VV009857.D (-905) (-)





#25

Chloroform

Concen: 208.376 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

Instrument :

MSVOA_V

ClientSampleId :

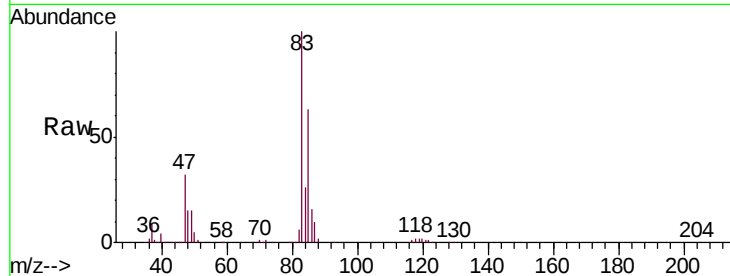
VSTD20067

Tgt Ion: 83 Resp: 519000

Ion Ratio Lower Upper

83 100

85 62.9 44.7 82.9



Abundance Ion 83.00 (82.70 to 83.70): VV009857.D (-1021) (-)

Ion 85.00 (84.70 to 85.70): VV009857.D (-1021) (-)

250000

200000

150000

100000

50000

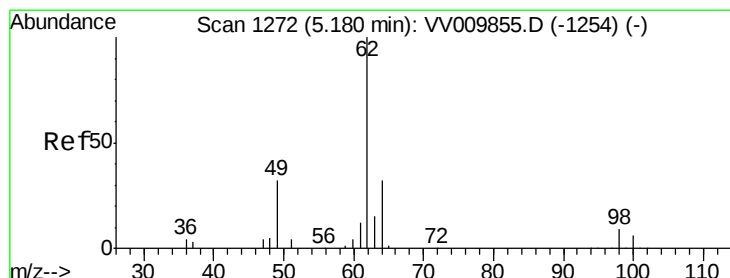
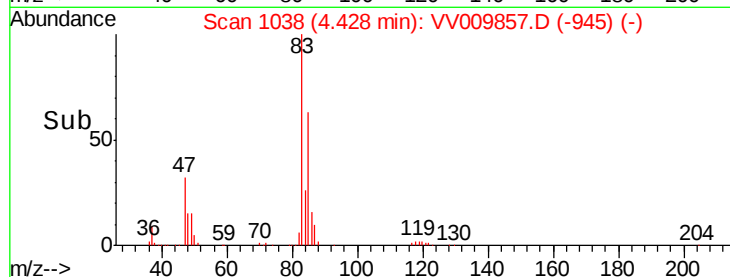
0

4.30

4.40

4.50

Time-->



#27

1,2-Dichloroethane

Concen: 250.547 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VV009857.D

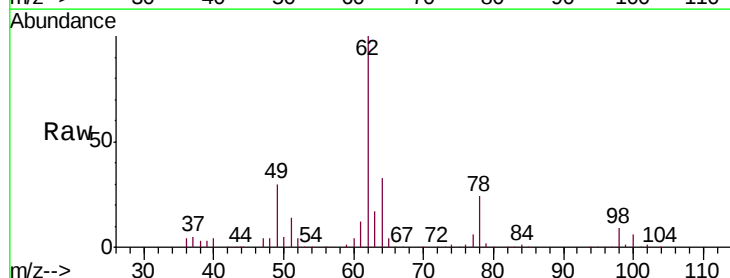
Acq: 25 Mar 2019 12:59

Tgt Ion: 62 Resp: 454333

Ion Ratio Lower Upper

62 100

98 8.9 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV009857.D (-1179) (-)

Ion 98.00 (97.70 to 98.70): VV009857.D (-1179) (-)

250000

200000

150000

100000

50000

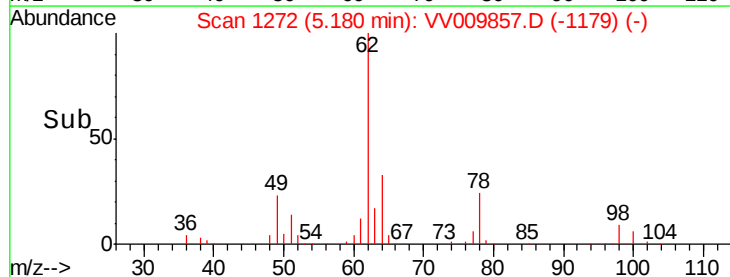
0

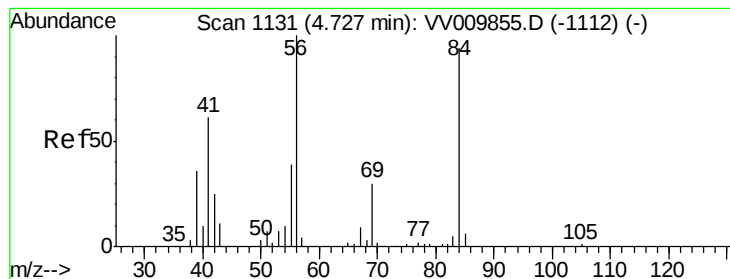
5.10

5.20

5.30

Time-->





#29

Cyclohexane

Concen: 189.625 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD20067

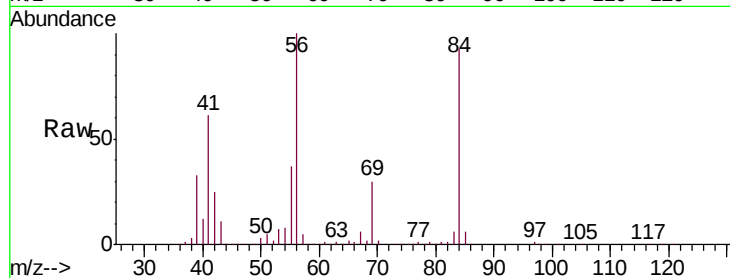
Tgt Ion: 56 Resp: 455869

Ion Ratio Lower Upper

56 100

69 29.9 23.4 35.0

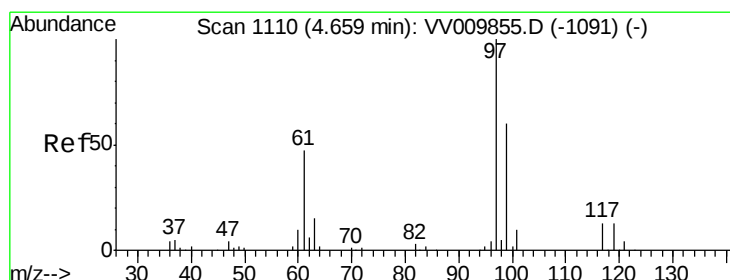
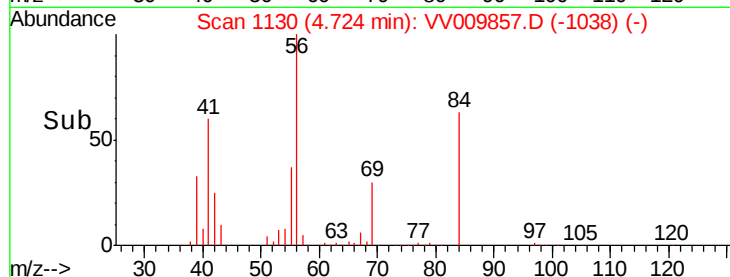
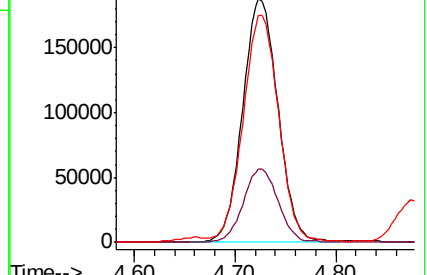
84 93.3 75.0 112.6



Abundance Ion 56.00 (55.70 to 56.70): VV009857.D (-1038) (-)

Ion 69.00 (68.70 to 69.70): VV009857.D (-1038) (-)

Ion 84.00 (83.70 to 84.70): VV009857.D (-1038) (-)



#30

1,1,1-Trichloroethane

Concen: 190.427 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

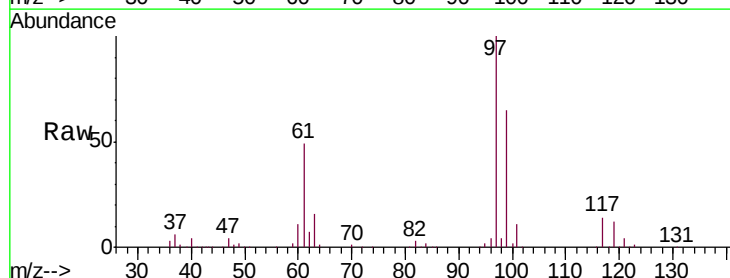
Tgt Ion: 97 Resp: 459292

Ion Ratio Lower Upper

97 100

99 63.9 49.1 73.7

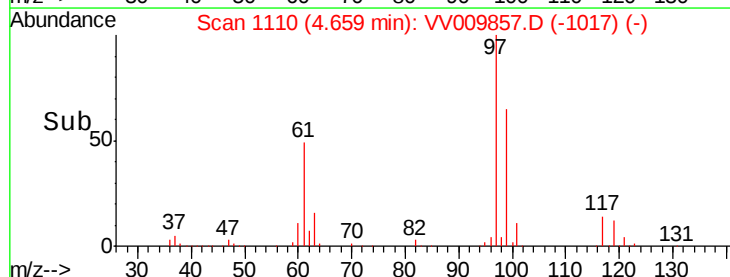
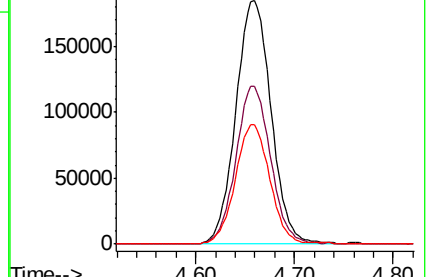
61 48.0 37.6 56.4

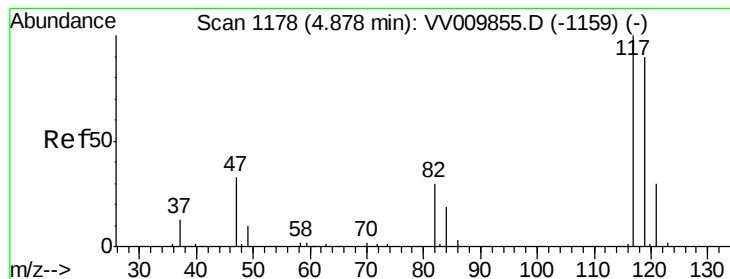


Abundance Ion 97.00 (96.70 to 97.70): VV009857.D (-1017) (-)

Ion 99.00 (98.70 to 99.70): VV009857.D (-1017) (-)

Ion 61.05 (60.75 to 61.75): VV009857.D (-1017) (-)





#31

Carbon tetrachloride

Concen: 193.819 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

Instrument :

MSVOA_V

ClientSampleId :

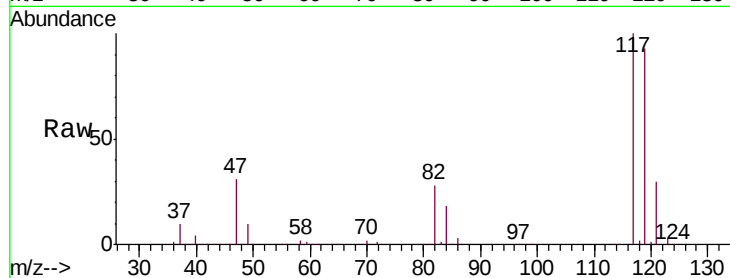
VSTD20067

Tgt Ion:117 Resp: 412418

Ion Ratio Lower Upper

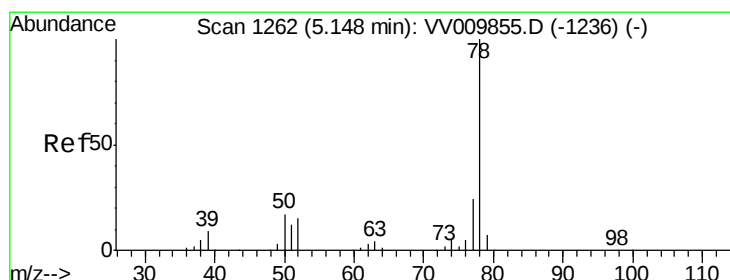
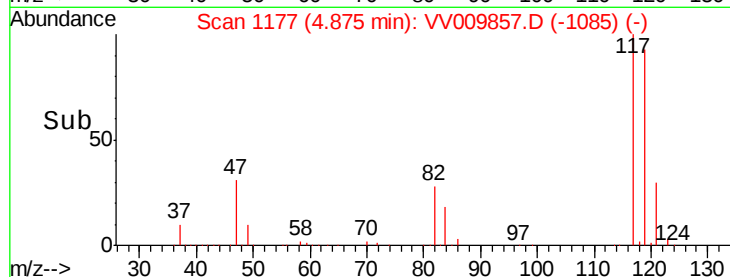
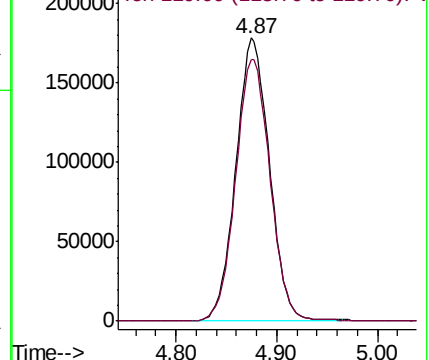
117 100

119 95.0 75.4 113.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 188.025 ug/L

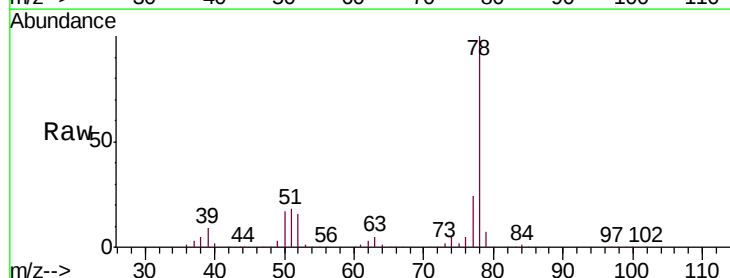
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

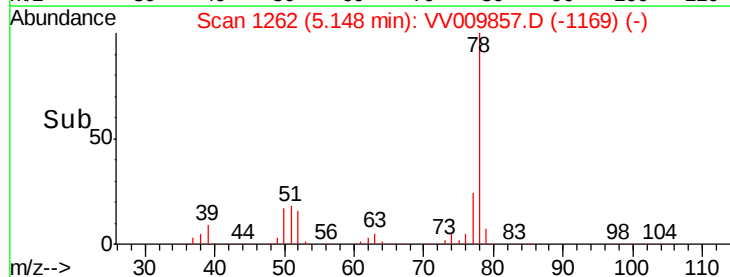
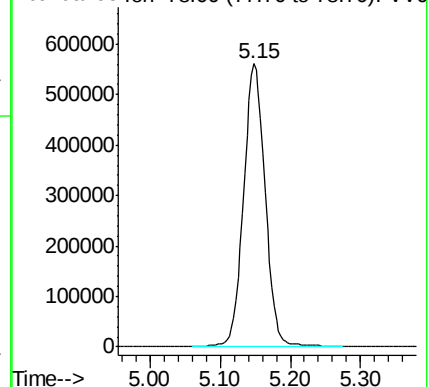
Lab File: VV009857.D

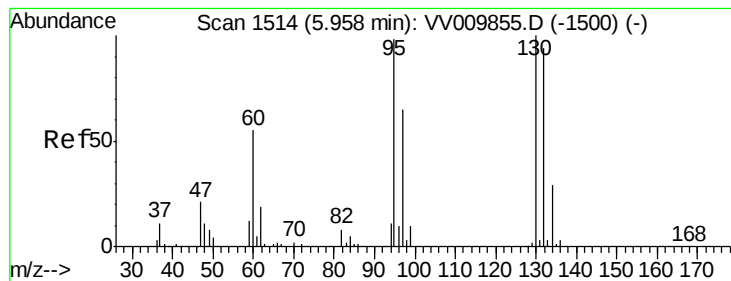
Acq: 25 Mar 2019 12:59

Tgt Ion: 78 Resp: 1201774



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 171.689 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD20067

Tgt Ion: 95 Resp: 288915

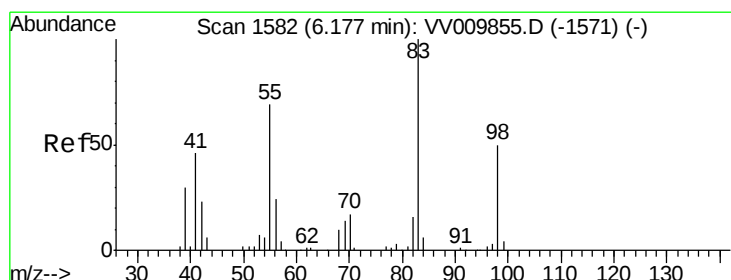
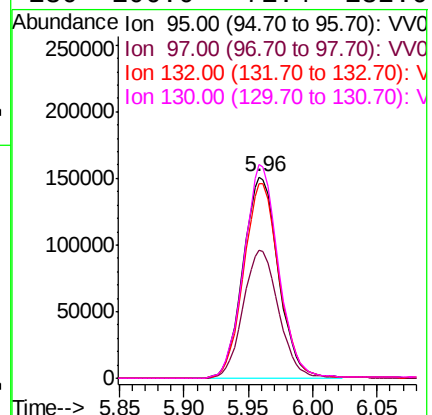
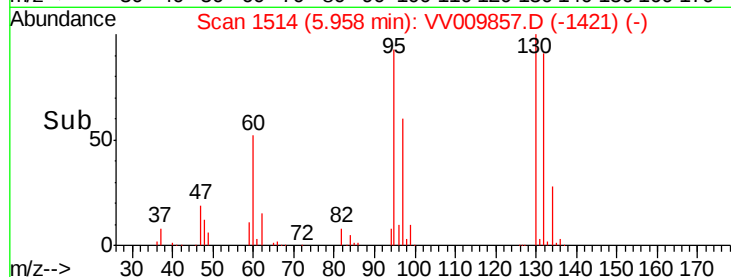
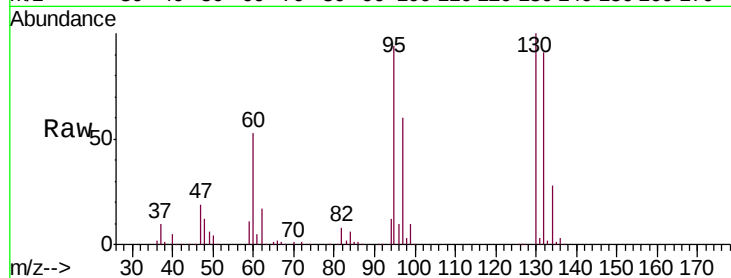
Ion Ratio Lower Upper

95 100

97 63.7 46.1 85.5

132 96.8 67.0 124.4

130 106.0 71.4 132.6



#35

Methylcyclohexane

Concen: 193.863 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

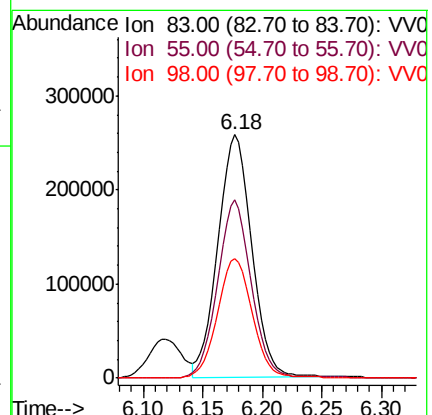
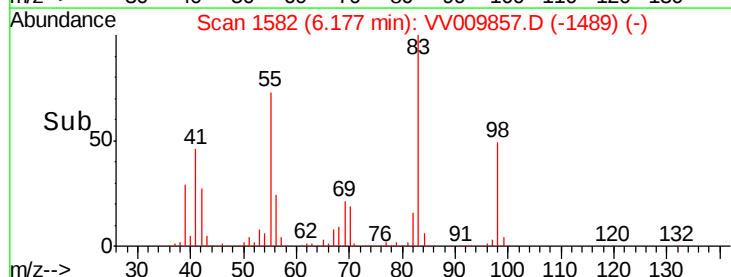
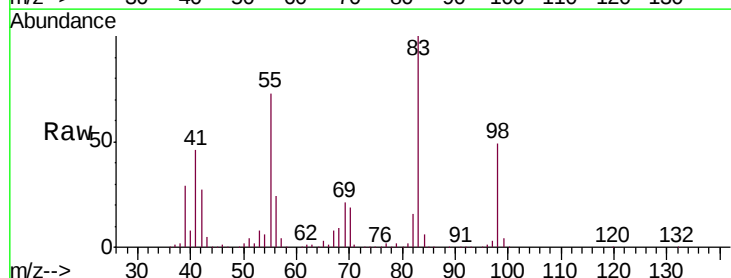
Tgt Ion: 83 Resp: 511154

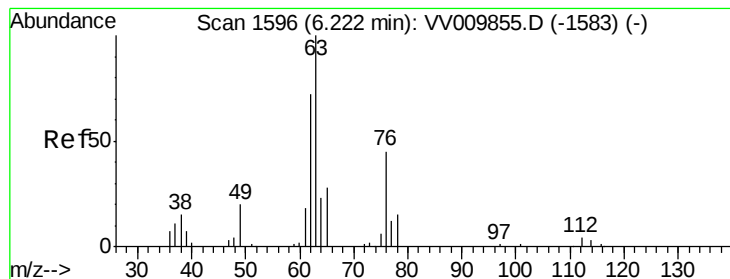
Ion Ratio Lower Upper

83 100

55 72.2 55.5 83.3

98 50.6 40.2 60.2





#37

1,2-Dichloropropane

Concen: 184.193 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

Instrument :

MSVOA_V

ClientSampleId :

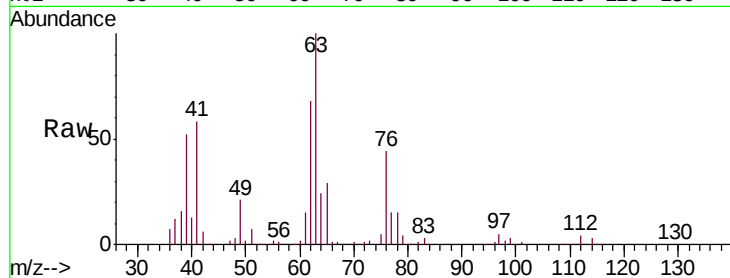
VSTD20067

Tgt Ion: 63 Resp: 300646

Ion Ratio Lower Upper

63 100

112 4.5 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV009857.D (-1503) (-)

Ion 112.00 (111.70 to 112.70): VV009857.D (-1503) (-)

6.22

150000

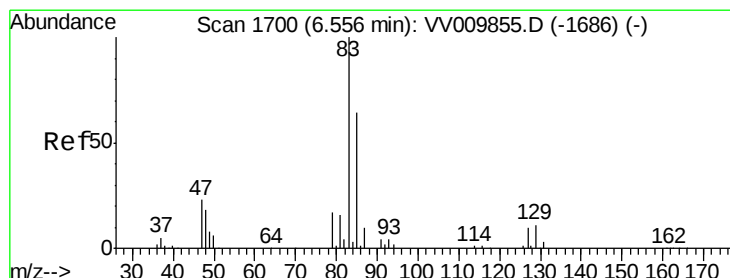
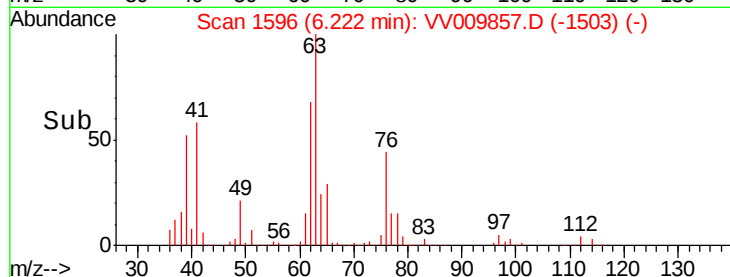
100000

50000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 197.484 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

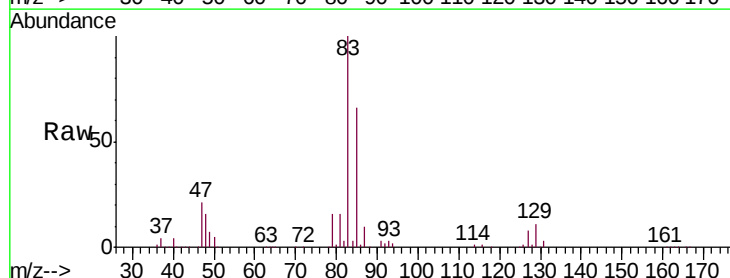
Tgt Ion: 83 Resp: 414069

Ion Ratio Lower Upper

83 100

85 66.5 44.6 82.8

127 8.3 8.2 12.2



Abundance Ion 83.00 (82.70 to 83.70): VV009857.D (-1607) (-)

Ion 85.00 (84.70 to 85.70): VV009857.D (-1607) (-)

Ion 127.00 (126.70 to 127.70): VV009857.D (-1607) (-)

6.56

300000

250000

200000

150000

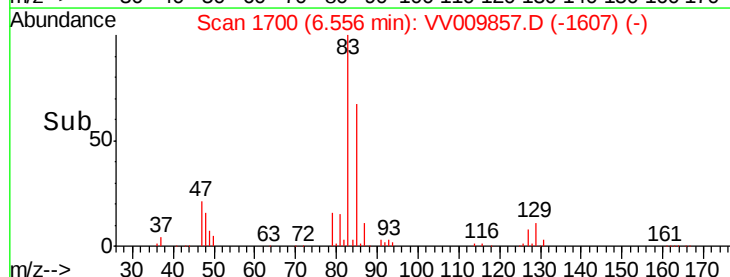
100000

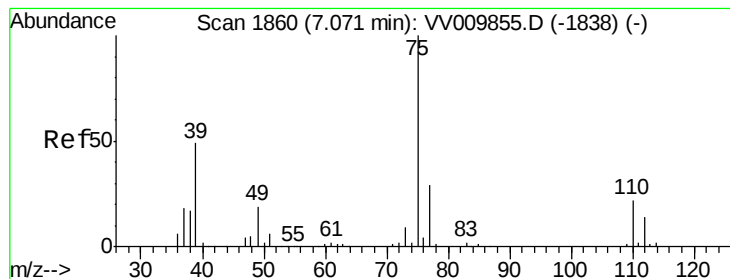
50000

0

6.50 6.55 6.60 6.65 6.70

Time-->



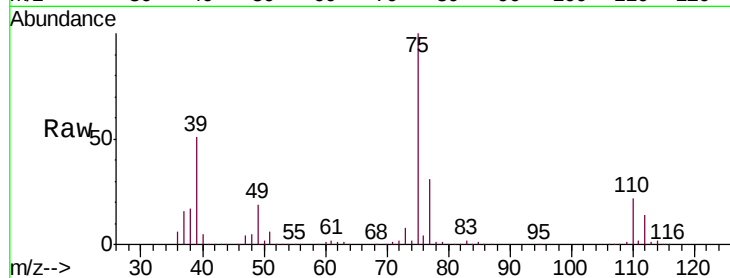


#39

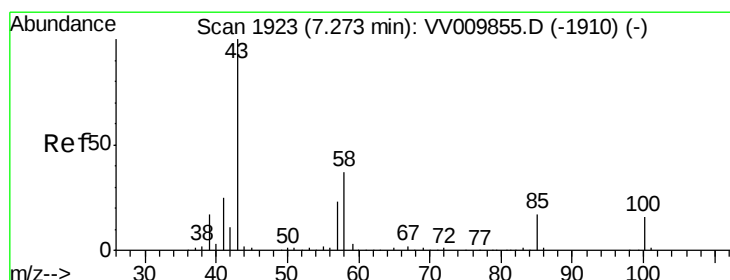
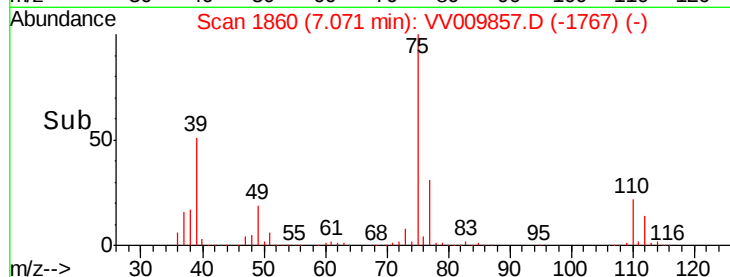
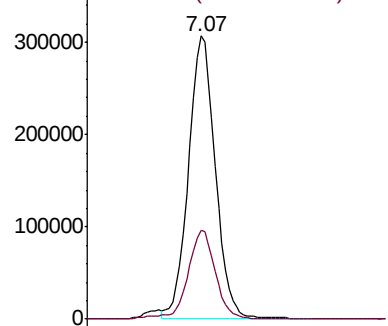
cis-1,3-Dichloropropene
 Concen: 199.230 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009857.D
 Acq: 25 Mar 2019 12:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20067

Tgt Ion: 75 Resp: 519563
 Ion Ratio Lower Upper
 75 100
 77 31.5 20.5 38.1



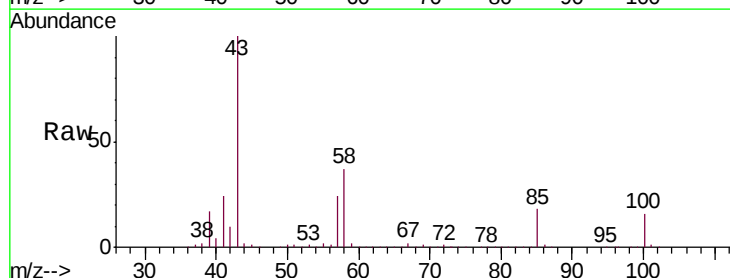
Abundance Ion 75.00 (74.70 to 75.70): VV009857.D (-1767) (-)
 Ion 77.00 (76.70 to 77.70): VV009857.D (-1767) (-)



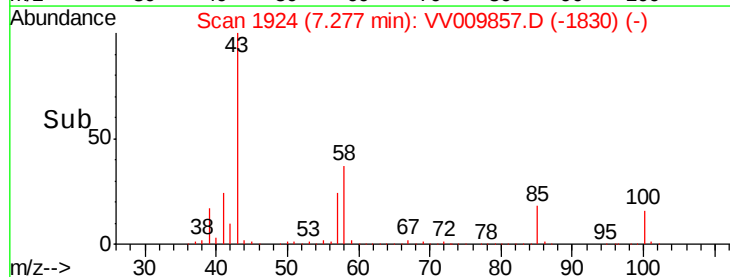
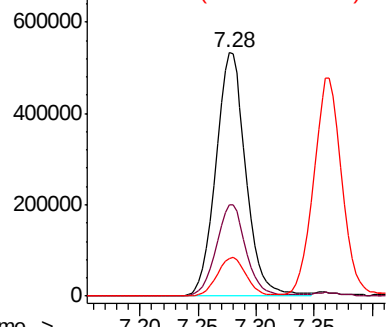
#40

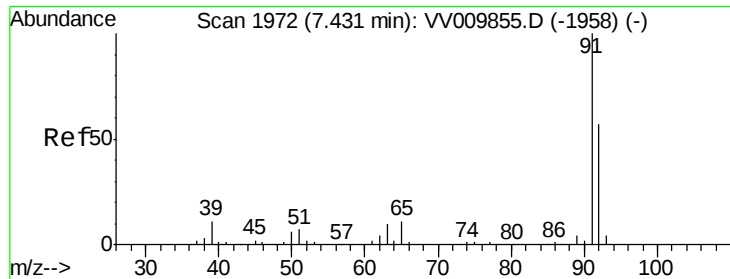
4-Methyl-2-pentanone
 Concen: 425.211 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV009857.D
 Acq: 25 Mar 2019 12:59

Tgt Ion: 43 Resp: 960344
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.8 44.8
 100 15.5 12.2 18.4



Abundance Ion 43.00 (42.70 to 43.70): VV009857.D (-1830) (-)
 Ion 58.00 (57.70 to 58.70): VV009857.D (-1830) (-)
 Ion 100.00 (99.70 to 100.70): VV009857.D (-1830) (-)





#42

Toluene

Concen: 230.683 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

Instrument :

MSVOA_V

ClientSampleId :

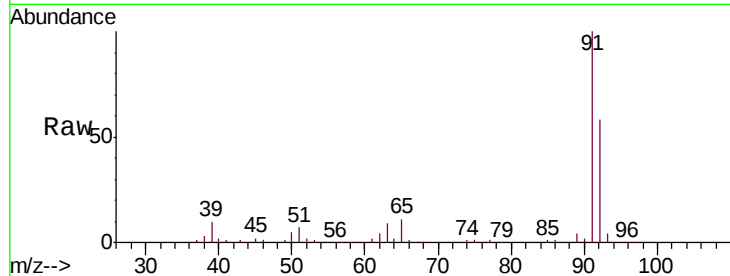
VSTD20067

Tgt Ion: 91 Resp: 1618041

Ion Ratio Lower Upper

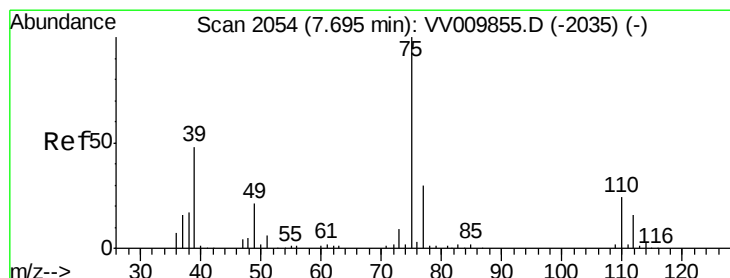
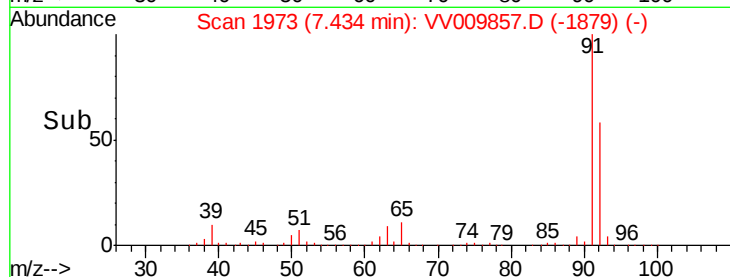
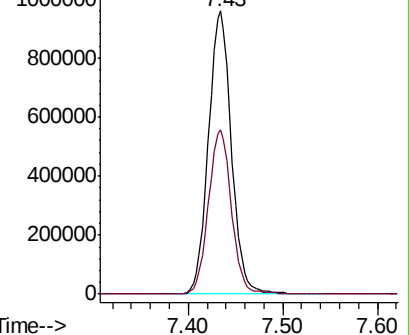
91 100

92 58.1 40.2 74.6



Abundance Ion 91.00 (90.70 to 91.70): VV009855.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009855.D (-1958) (-)



#44

trans-1,3-Dichloropropene

Concen: 232.867 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009857.D

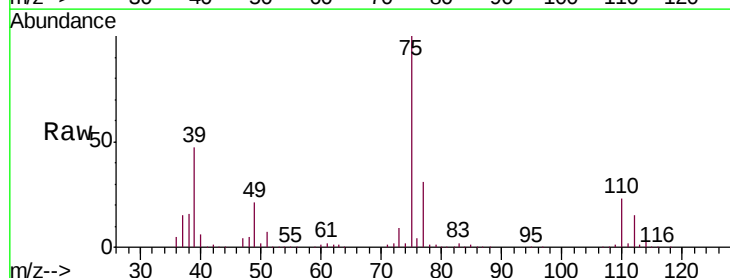
Acq: 25 Mar 2019 12:59

Tgt Ion: 75 Resp: 526528

Ion Ratio Lower Upper

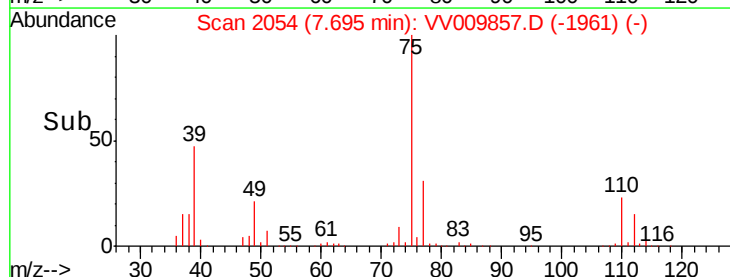
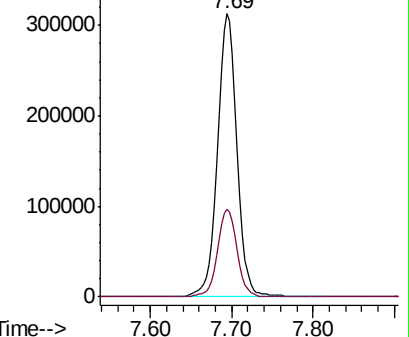
75 100

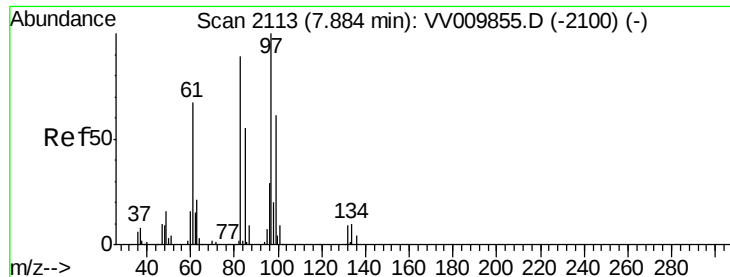
77 31.1 20.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV009855.D (-2035) (-)

Ion 77.00 (76.70 to 77.70): VV009855.D (-2035) (-)

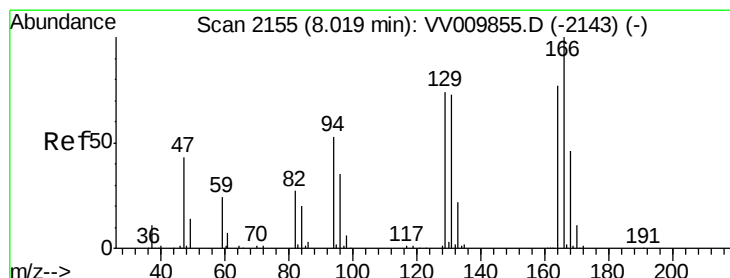
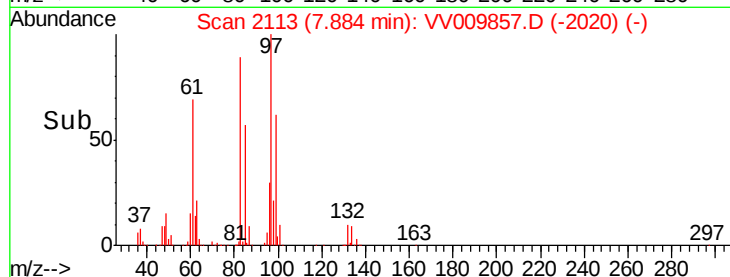
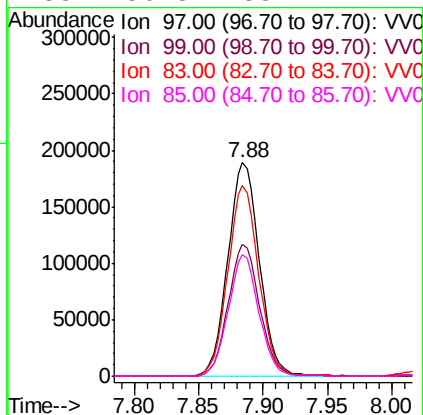
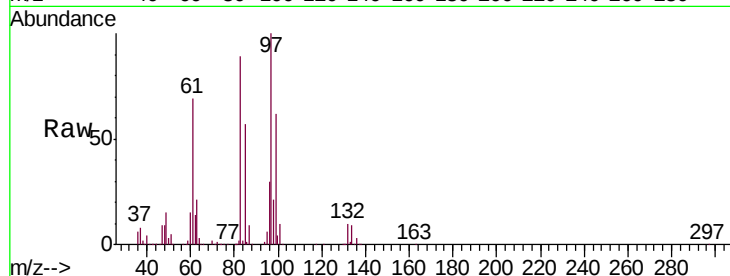




#45
 1,1,2-Trichloroethane
 Concen: 191.922 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009857.D
 Acq: 25 Mar 2019 12:59

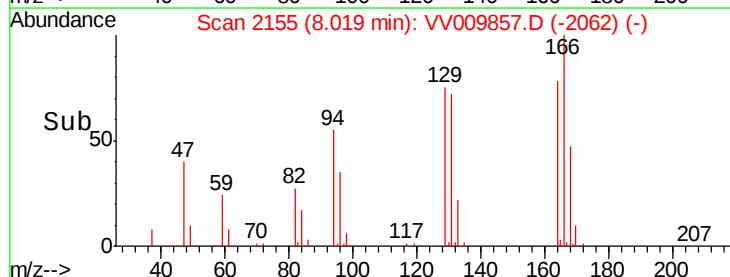
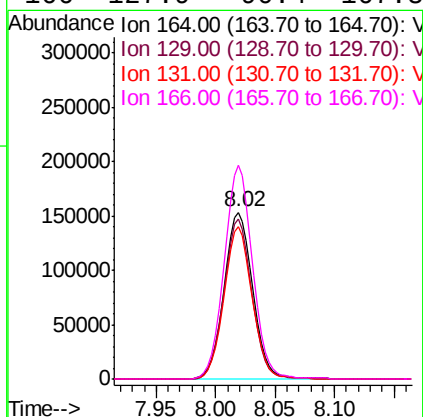
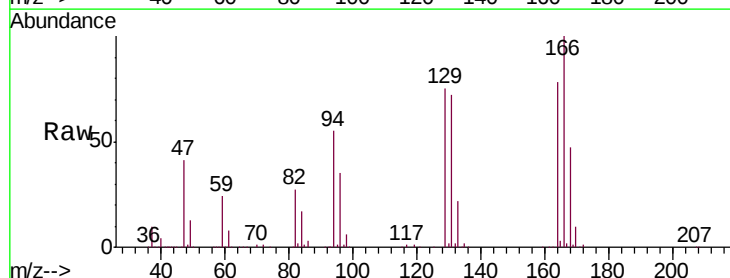
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20067

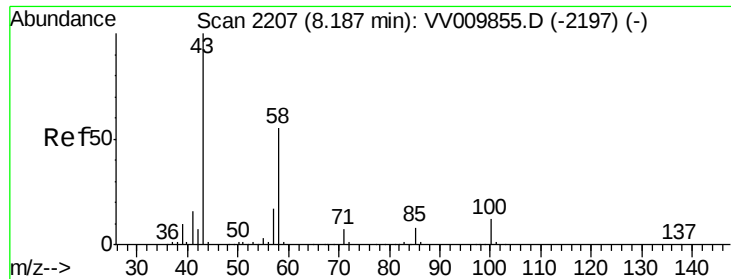
Tgt Ion:	97	Resp:	321363
Ion	Ratio	Lower	Upper
97	100		
99	61.5	42.4	78.6
83	89.1	62.1	115.3
85	56.8	38.4	71.4



#46
 Tetrachloroethene
 Concen: 183.657 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009857.D
 Acq: 25 Mar 2019 12:59

Tgt Ion:	164	Resp:	255757
Ion	Ratio	Lower	Upper
164	100		
129	96.2	66.8	124.0
131	91.5	65.7	122.1
166	127.9	90.4	167.8

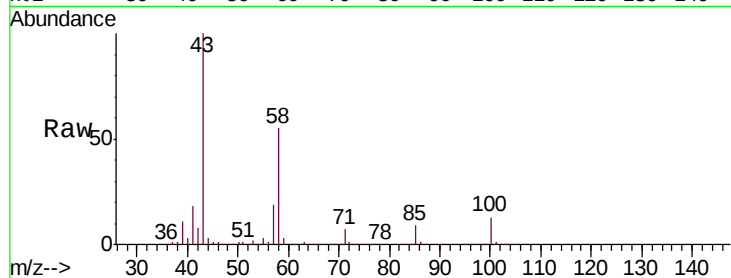




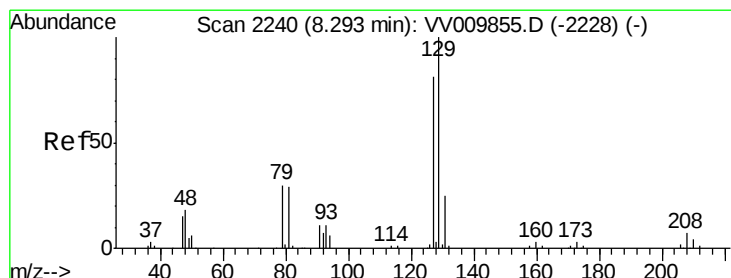
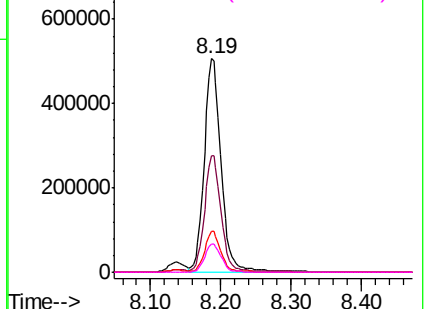
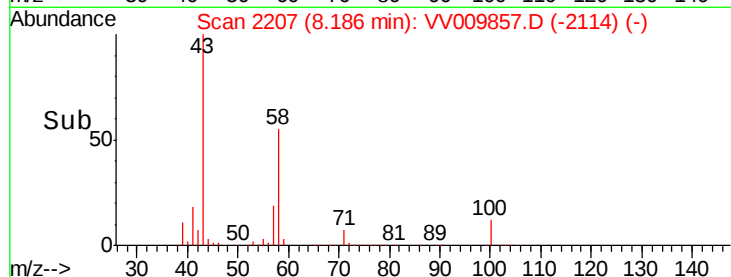
#48
2-Hexanone
Concen: 453.853 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV009857.D
Acq: 25 Mar 2019 12:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD20067

Tgt Ion: 43 Resp: 849352
Ion Ratio Lower Upper
43 100
58 51.6 41.9 62.9
57 17.3 14.2 21.2
100 13.0 9.8 14.8

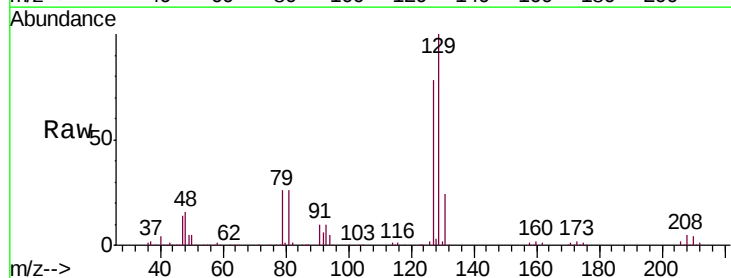


Abundance Ion 43.00 (42.70 to 43.70): VV009857.D (-2114) (-)
Ion 58.00 (57.70 to 58.70): VV009857.D (-2114) (-)
Ion 57.00 (56.70 to 57.70): VV009857.D (-2114) (-)
Ion 100.00 (99.70 to 100.70): VV009857.D (-2114) (-)

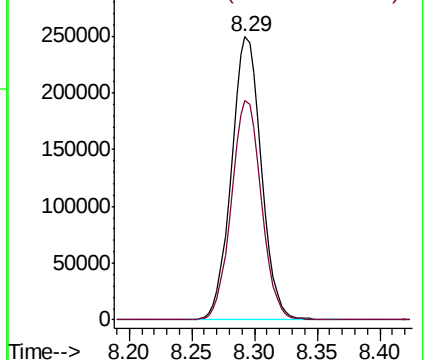
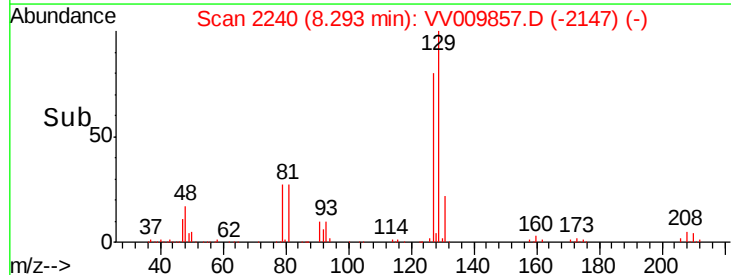


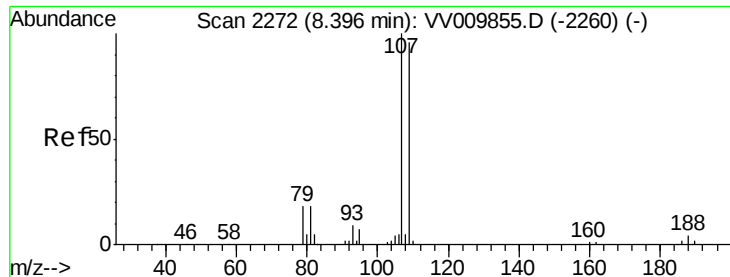
#49
Dibromochloromethane
Concen: 224.082 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV009857.D
Acq: 25 Mar 2019 12:59

Tgt Ion: 129 Resp: 412449
Ion Ratio Lower Upper
129 100
127 77.6 56.8 105.4



Abundance Ion 129.00 (128.70 to 129.70): VV009857.D (-2147) (-)
Ion 127.00 (126.70 to 127.70): VV009857.D (-2147) (-)

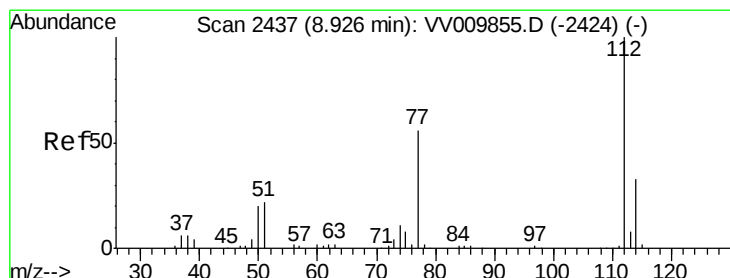
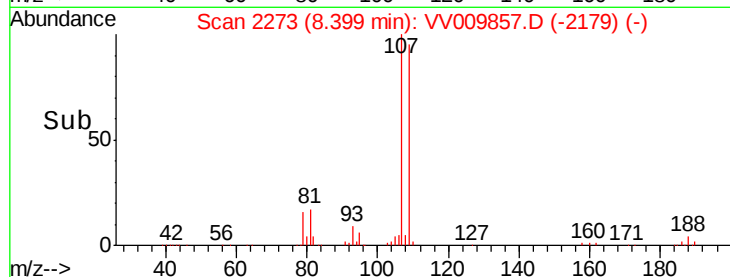
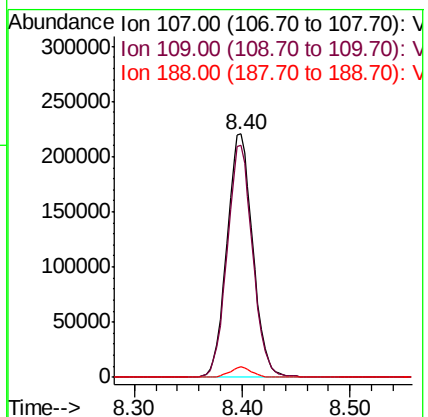
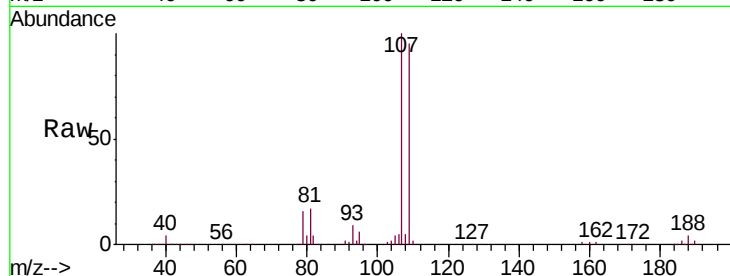




#50
1,2-Dibromoethane
Concen: 200.128 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV009857.D
Acq: 25 Mar 2019 12:59

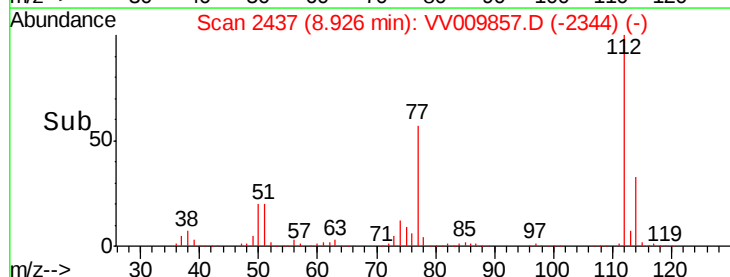
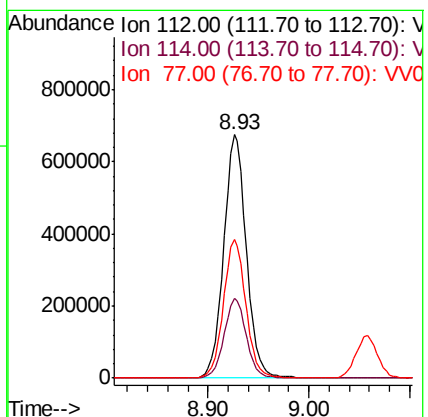
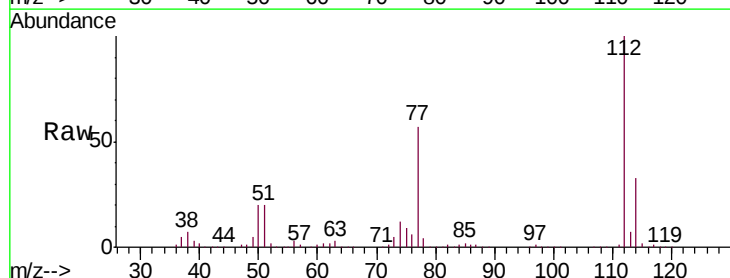
Instrument :
MSVOA_V
ClientSampleId :
VSTD20067

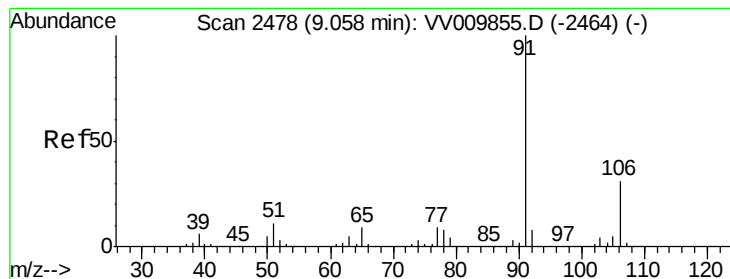
Tgt Ion:107 Resp: 367887
Ion Ratio Lower Upper
107 100
109 95.4 67.5 125.3
188 4.2 3.0 4.6



#51
Chlorobenzene
Concen: 227.789 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV009857.D
Acq: 25 Mar 2019 12:59

Tgt Ion:112 Resp: 1058329
Ion Ratio Lower Upper
112 100
114 32.6 23.3 43.3
77 56.9 45.8 68.6





#52

Ethylbenzene

Concen: 261.886 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

Instrument :

MSVOA_V

ClientSampled :

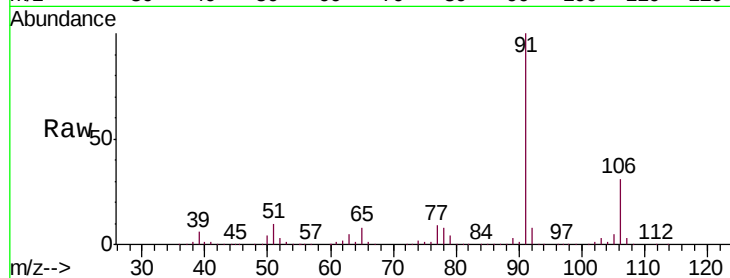
VSTD20067

Tgt Ion: 91 Resp: 2003531

Ion Ratio Lower Upper

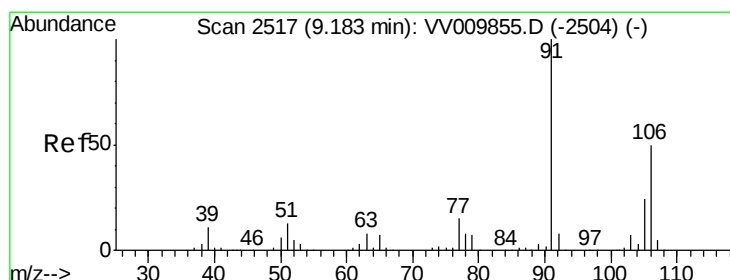
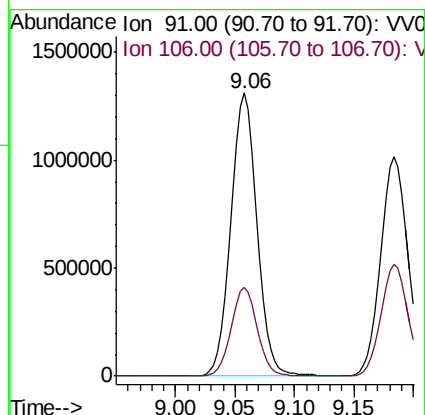
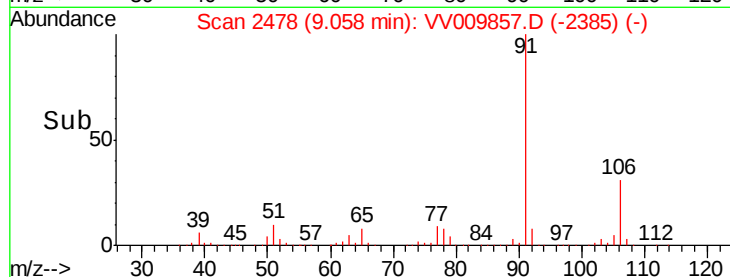
91 100

106 31.2 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV009857.D (-2464) (-)

Ion 106.00 (105.70 to 106.70): VV009857.D (-2385) (-)



#53

m,p-Xylene

Concen: 279.985 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009857.D

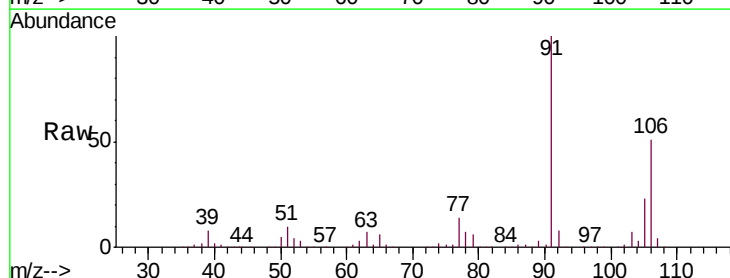
Acq: 25 Mar 2019 12:59

Tgt Ion: 106 Resp: 823936

Ion Ratio Lower Upper

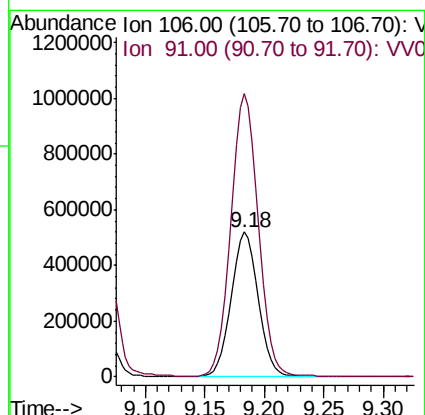
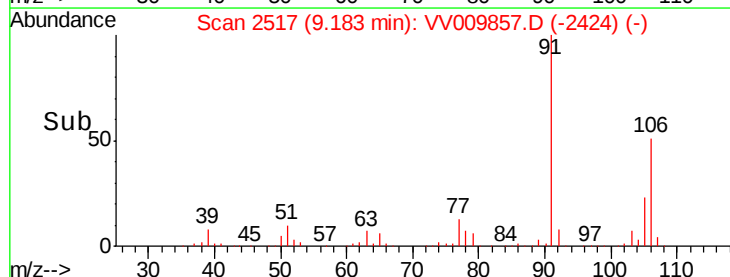
106 100

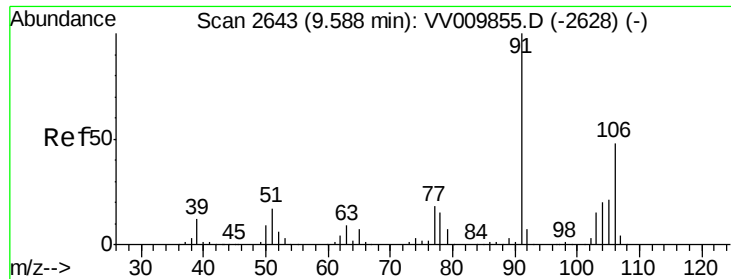
91 195.8 139.5 259.1



Abundance Ion 106.00 (105.70 to 106.70): VV009857.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VV009857.D (-2424) (-)





#54

o-xylene

Concen: 285.936 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

Instrument :

MSVOA_V

ClientSampleId :

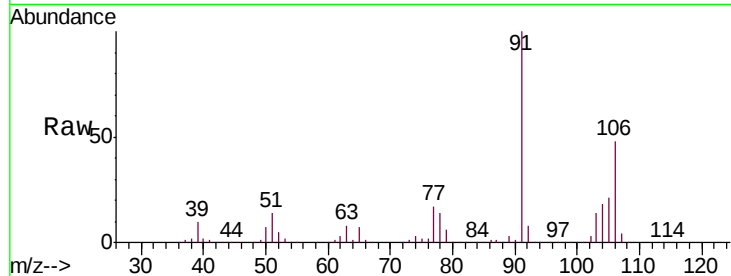
VSTD20067

Tgt Ion:106 Resp: 834696

Ion Ratio Lower Upper

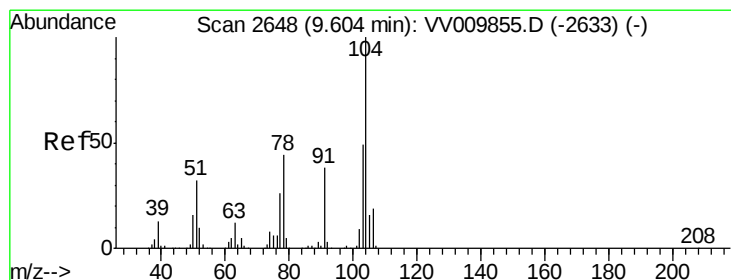
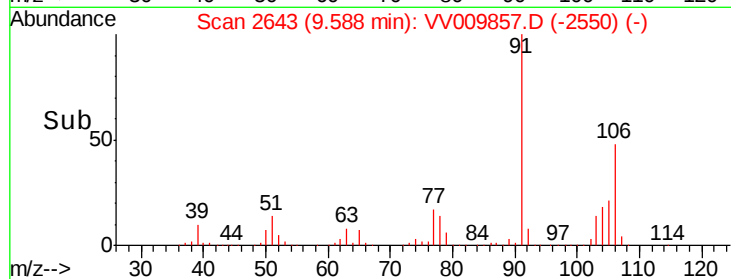
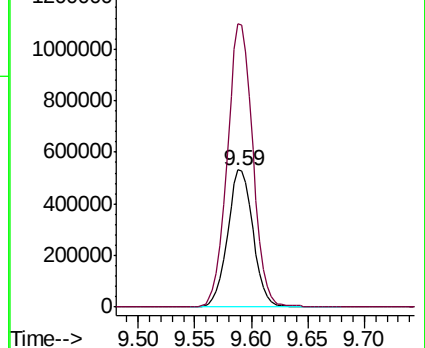
106 100

91 206.8 147.0 273.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 311.264 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV009857.D

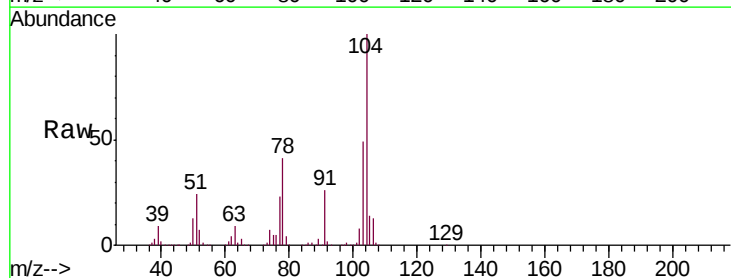
Acq: 25 Mar 2019 12:59

Tgt Ion:104 Resp: 1530431

Ion Ratio Lower Upper

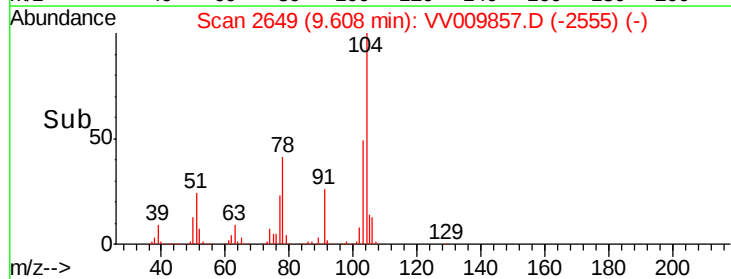
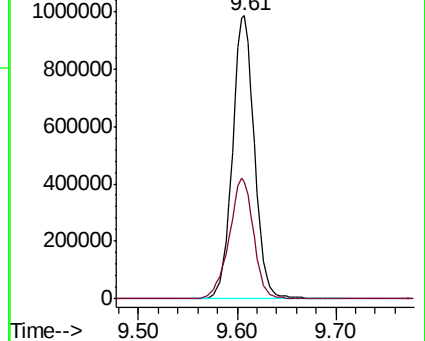
104 100

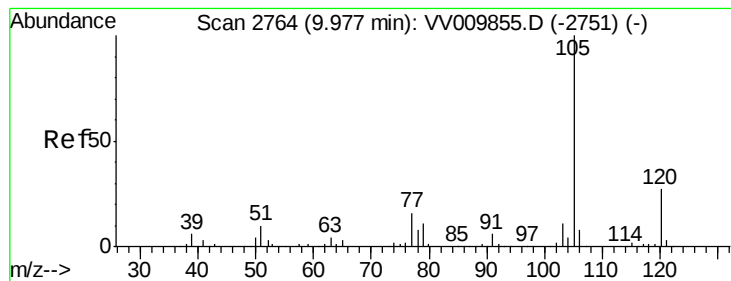
78 41.5 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 297.523 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD20067

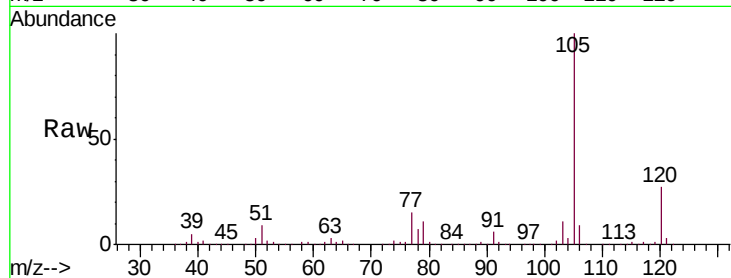
Tgt Ion:105 Resp: 2235888

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

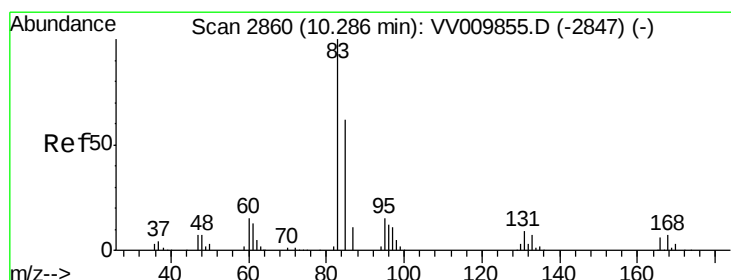
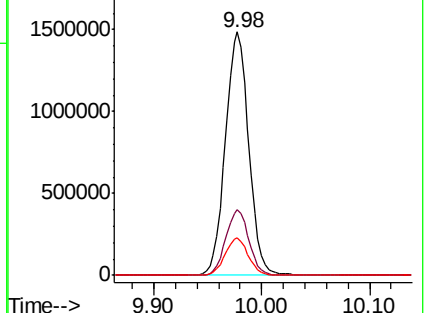
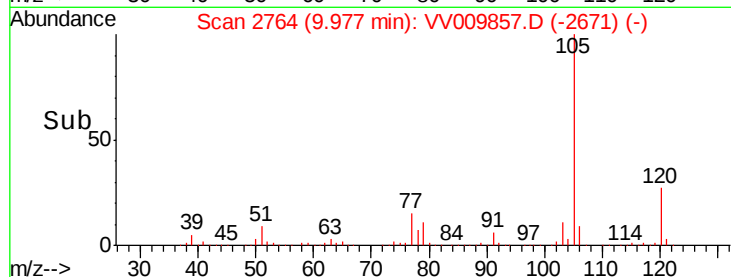
77 15.4 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 230.343 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

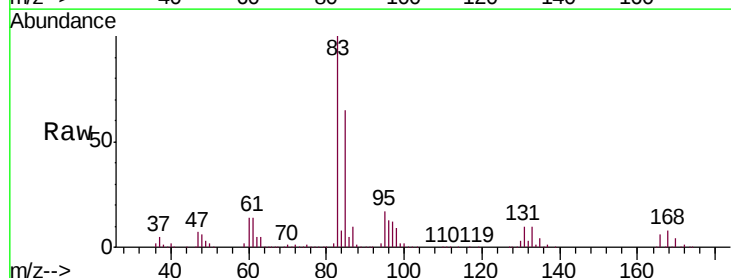
Tgt Ion: 83 Resp: 669919

Ion Ratio Lower Upper

83 100

85 64.9 44.0 81.6

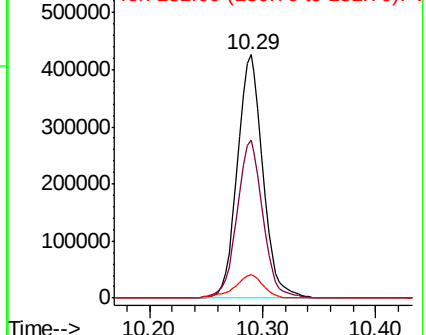
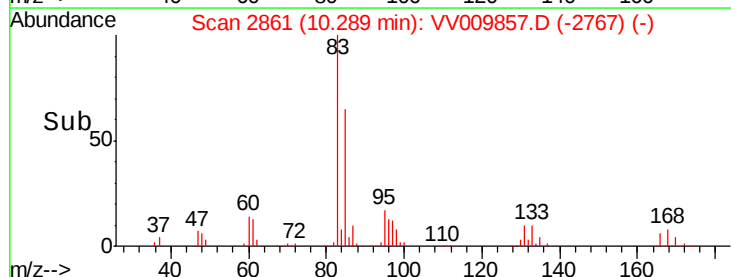
131 9.8 7.0 10.6

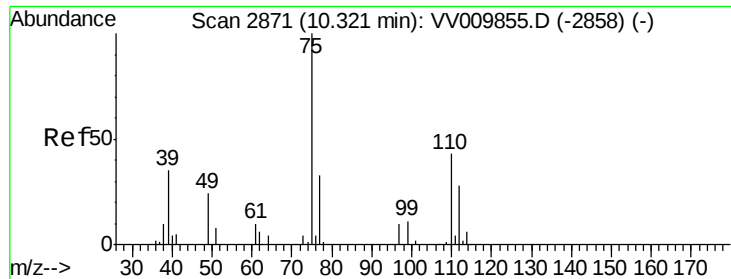


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

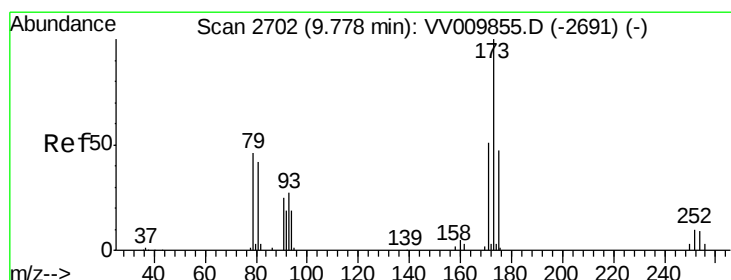
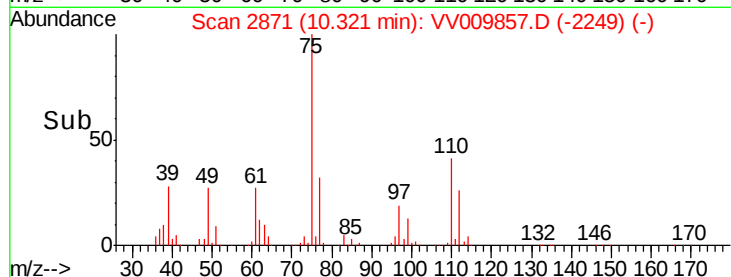
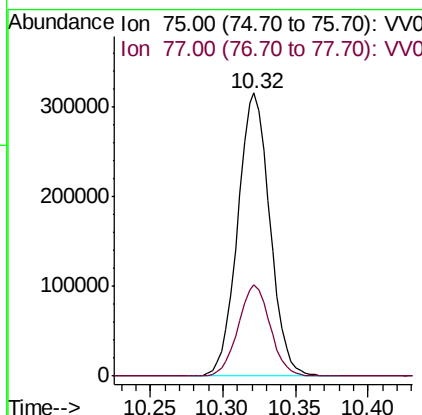
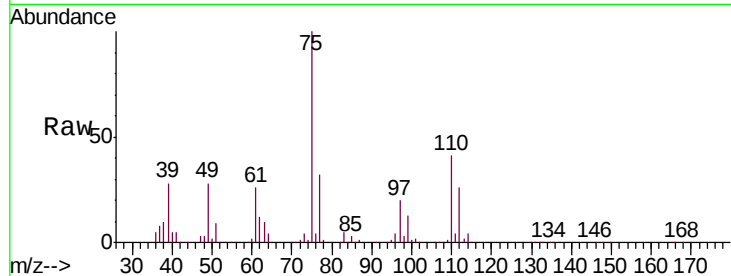




#59
 1,2,3-Trichloropropane
 Concen: 219.654 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV009857.D
 Acq: 25 Mar 2019 12:59

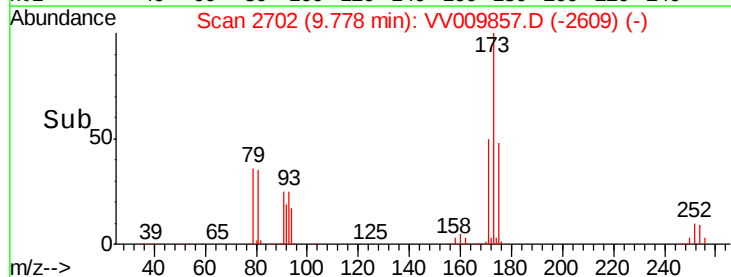
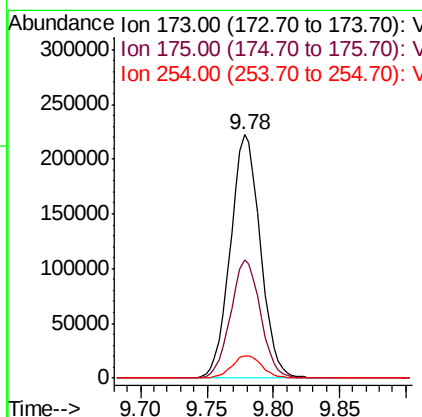
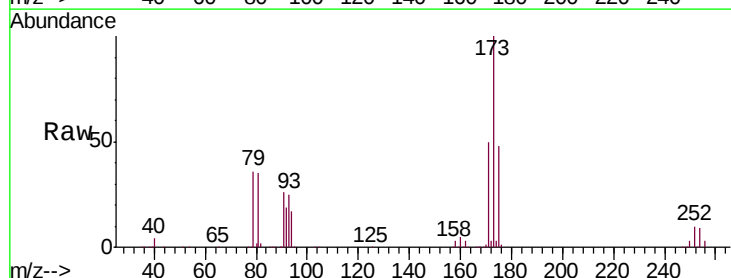
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20067

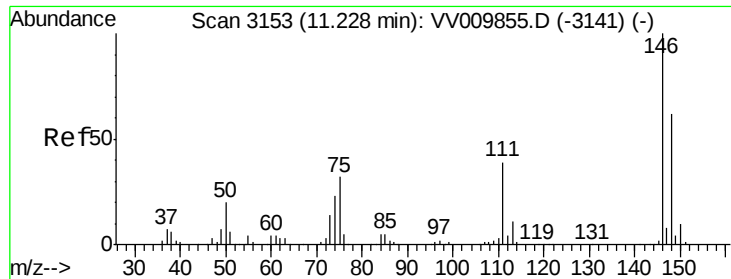
Tgt Ion: 75 Resp: 485464
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.4 38.0



#61
 Bromoform
 Concen: 224.369 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV009857.D
 Acq: 25 Mar 2019 12:59

Tgt Ion: 173 Resp: 348849
 Ion Ratio Lower Upper
 173 100
 175 48.4 39.0 58.6
 254 9.2 7.0 10.6





#62

1,3-Dichlorobenzene

Concen: 221.534 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD20067

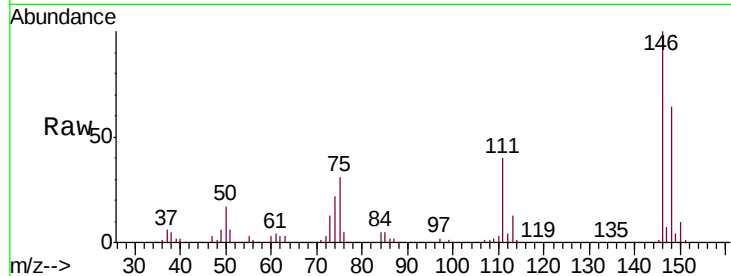
Tgt Ion:146 Resp: 893499

Ion Ratio Lower Upper

146 100

111 40.3 27.5 51.1

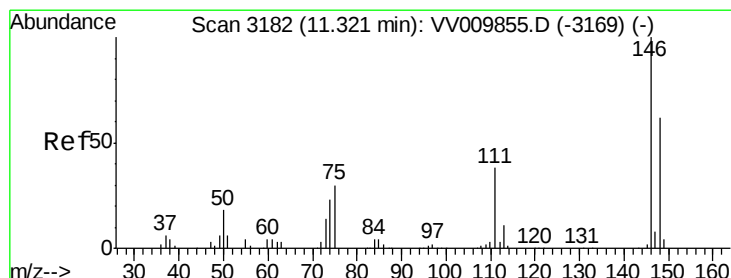
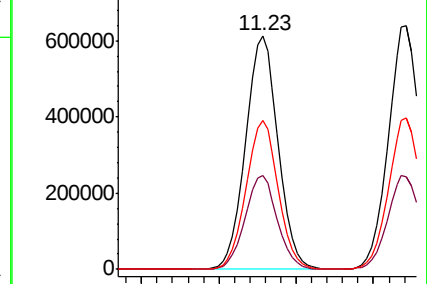
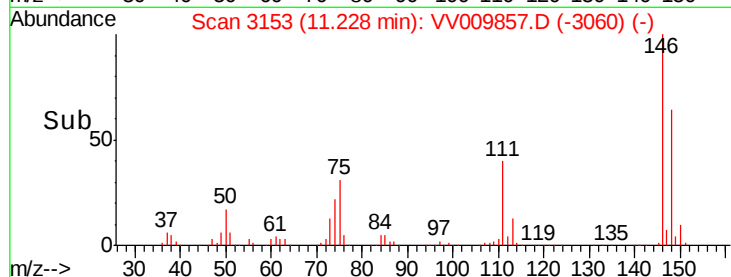
148 63.7 43.0 80.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 221.900 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

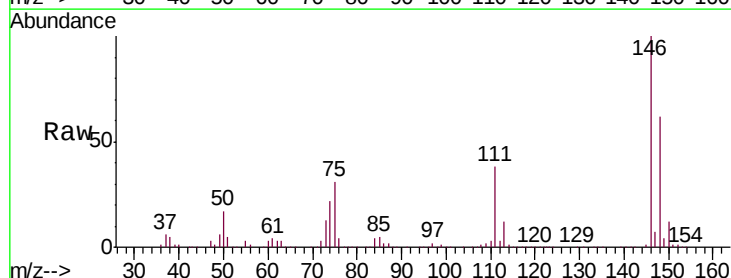
Tgt Ion:146 Resp: 932109

Ion Ratio Lower Upper

146 100

111 38.2 26.5 49.3

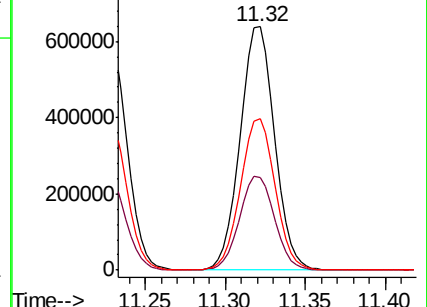
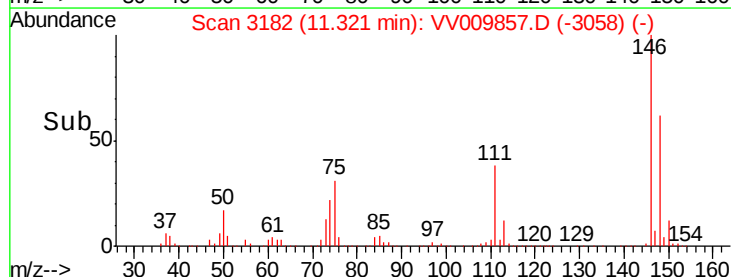
148 62.3 43.2 80.2

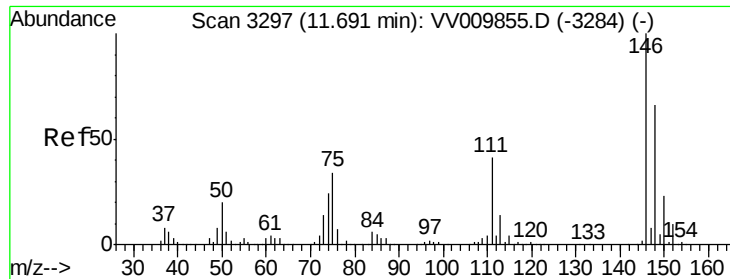


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 237.135 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD20067

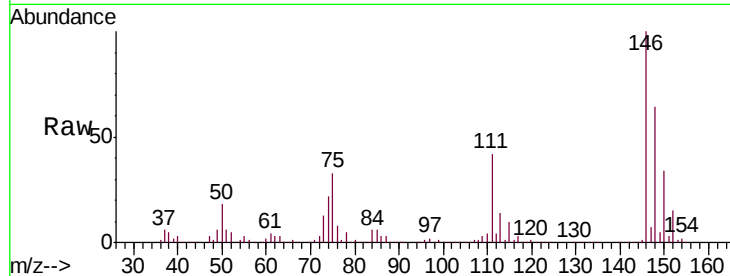
Tgt Ion:146 Resp: 983450

Ion Ratio Lower Upper

146 100

111 42.1 33.0 49.6

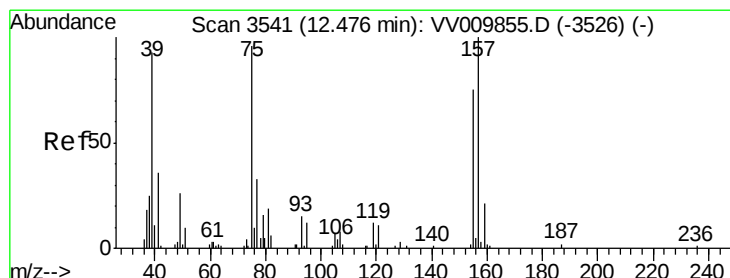
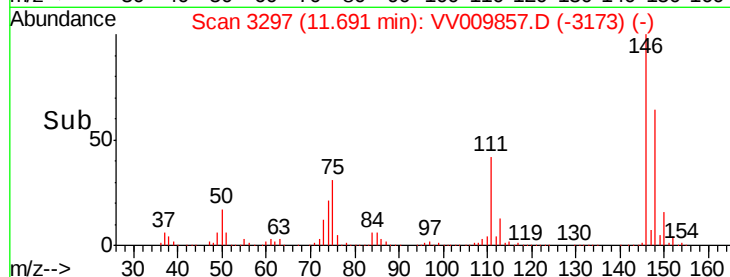
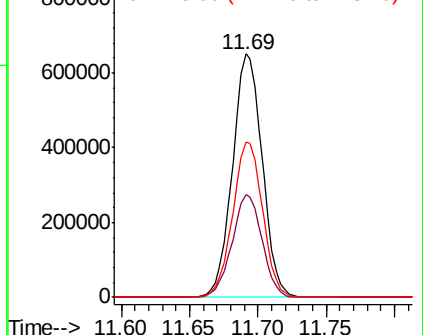
148 63.7 53.2 79.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 176.558 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

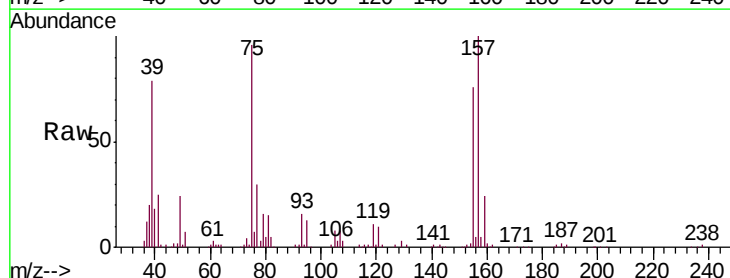
Tgt Ion: 75 Resp: 116817

Ion Ratio Lower Upper

75 100

155 79.2 62.8 94.2

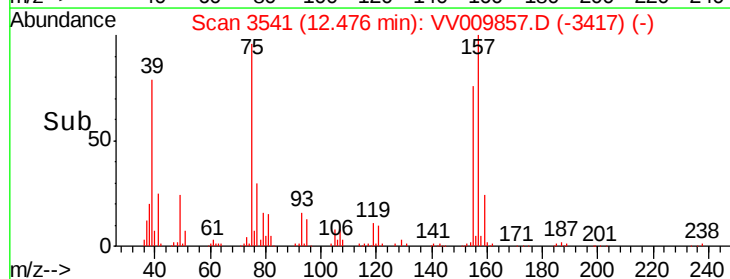
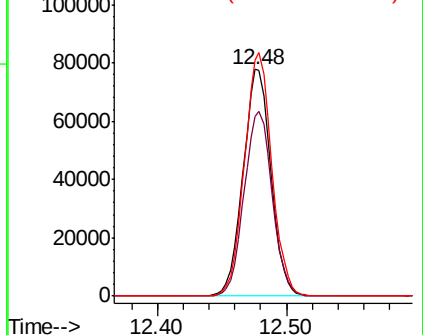
157 104.4 83.4 125.2

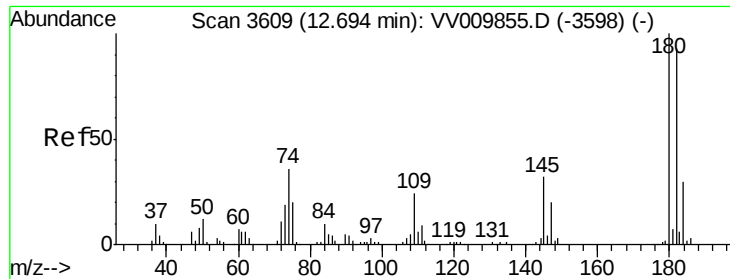


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

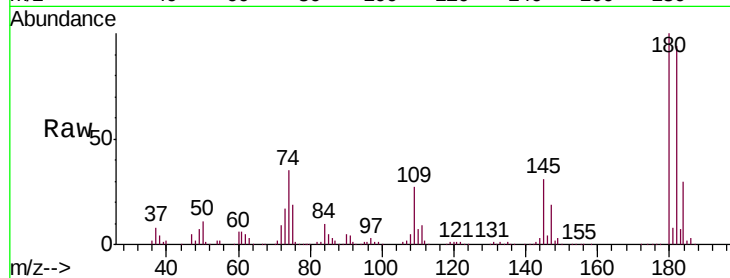




#67
 1,3,5-Trichlorobenzene
 Concen: 205.211 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009857.D
 Acq: 25 Mar 2019 12:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20067

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.0	112.6
184	30.1	24.1	36.1
145	30.9	24.2	36.4



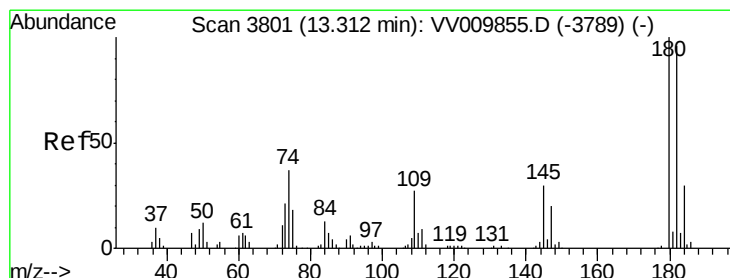
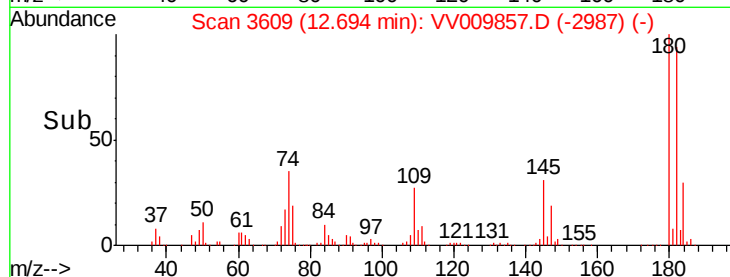
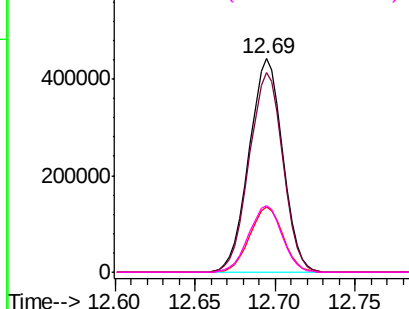
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

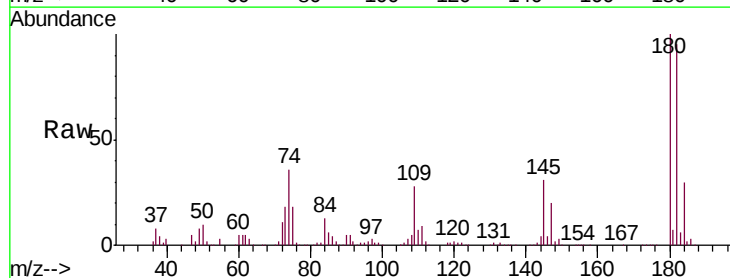
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 196.365 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009857.D
 Acq: 25 Mar 2019 12:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.1	115.7
145	31.1	24.3	36.5

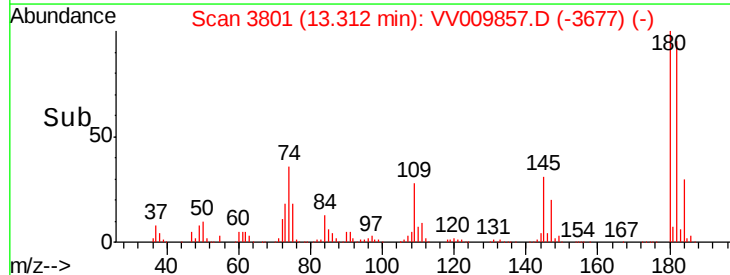
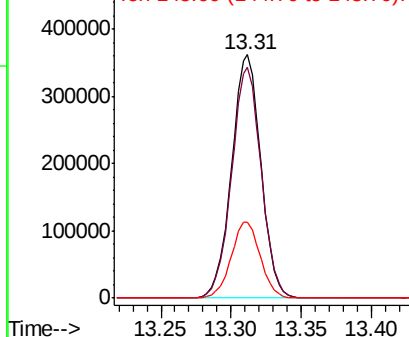


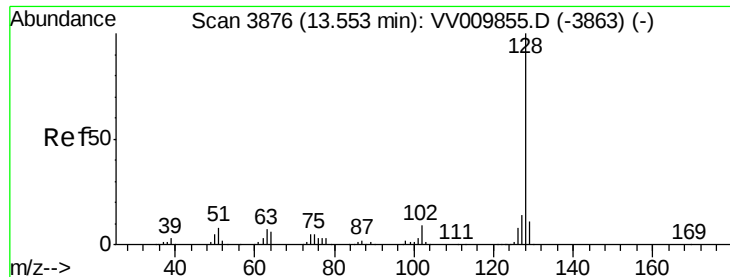
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 203.055 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD20067

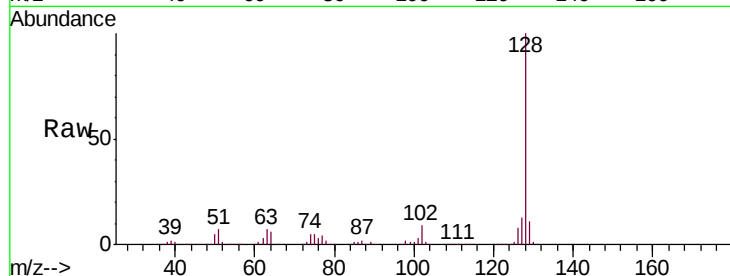
Tgt Ion:128 Resp: 1688857

Ion Ratio Lower Upper

128 100

127 13.4 11.0 16.6

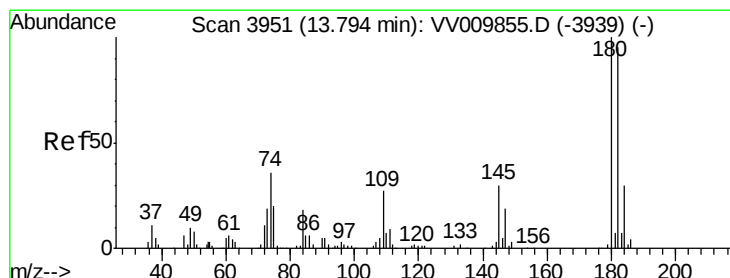
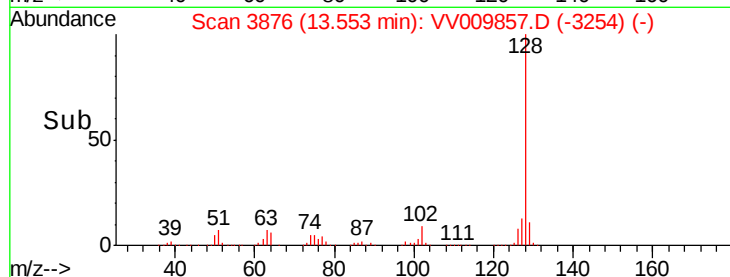
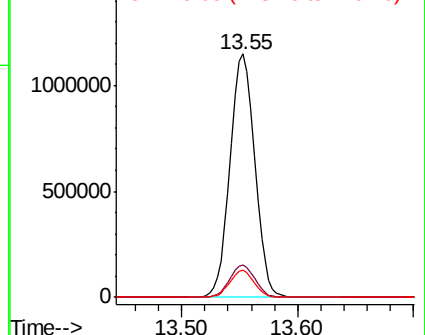
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 196.778 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009857.D

Acq: 25 Mar 2019 12:59

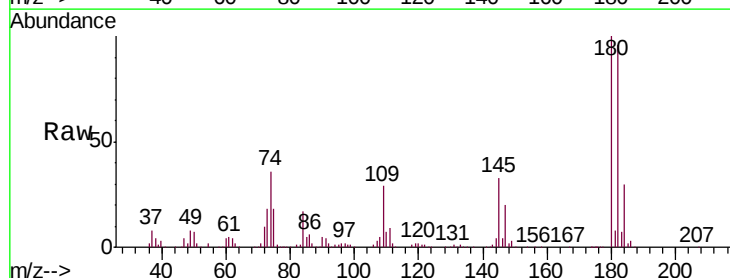
Tgt Ion:180 Resp: 548979

Ion Ratio Lower Upper

180 100

182 95.9 75.6 113.4

145 32.9 24.8 37.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

