

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031620\
 Data File : VV014937.D
 Acq On : 16 Mar 2020 10:54
 Operator : SY/MD
 Sample : VSTD10066
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

Quant Time: Mar 16 17:14:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 16 17:11:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	364373	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	366638	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	203067	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	248859	101.01	ug/L	0.00
7) Chloroethane-d5	1.58	69	185272	96.11	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	379754	94.28	ug/L	0.00
21) 2-Butanone-d5	3.92	46	322779	185.53	ug/L	0.00
24) Chloroform-d	4.38	84	523678	109.92	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	327551	103.05	ug/L	0.00
32) Benzene-d6	5.08	84	1034969	106.39	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	304075	96.10	ug/L	0.00
41) Toluene-d8	7.34	98	1038753	108.58	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	173467	109.81	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	302744	214.48	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	454506	103.25	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	454228	110.60	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	333030	93.41	ug/L	99
3) Chloromethane	1.25	50	238735	78.64	ug/L	100
5) Vinyl chloride	1.32	62	236372	83.26	ug/L	98
6) Bromomethane	1.53	94	152474	86.19	ug/L	100
8) Chloroethane	1.60	64	126920	83.54	ug/L	98
9) Trichlorofluoromethane	1.77	101	371284	94.60	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	177027	88.21	ug/L	99
12) 1,1-Dichloroethene	2.13	96	170260	88.07	ug/L	96
13) Acetone	2.20	43	230573	160.71	ug/L	98
14) Carbon disulfide	2.31	76	569508	89.16	ug/L	99
15) Methyl Acetate	2.45	43	195679	72.82	ug/L	98
16) Methylene chloride	2.52	84	254784	94.73	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	237599	97.05	ug/L	96
18) Methyl tert-butyl Ether	2.79	73	777833	97.45	ug/L	99
19) 1,1-Dichloroethane	3.21	63	431100	91.70	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	275621	100.26	ug/L	100
22) 2-Butanone	4.01	43	341487	174.75	ug/L	95
23) Bromochloromethane	4.28	128	141490	100.05	ug/L	98
25) Chloroform	4.41	83	471354	96.04	ug/L	98
27) 1,2-Dichloroethane	5.16	62	353460	92.58	ug/L	99
29) Cyclohexane	4.70	56	378910	87.57	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	428150	99.66	ug/L	100
31) Carbon tetrachloride	4.86	117	388200	105.33	ug/L	98
33) Benzene	5.13	78	979193	93.00	ug/L	100
34) Trichloroethene	5.94	95	261535	94.73	ug/L	98
35) Methylcyclohexane	6.16	83	427553	94.00	ug/L	99
37) 1,2-Dichloropropane	6.20	63	245694	88.34	ug/L	99
38) Bromodichloromethane	6.53	83	357188	98.01	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	429965	96.12	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	693520	172.64	ug/L	100

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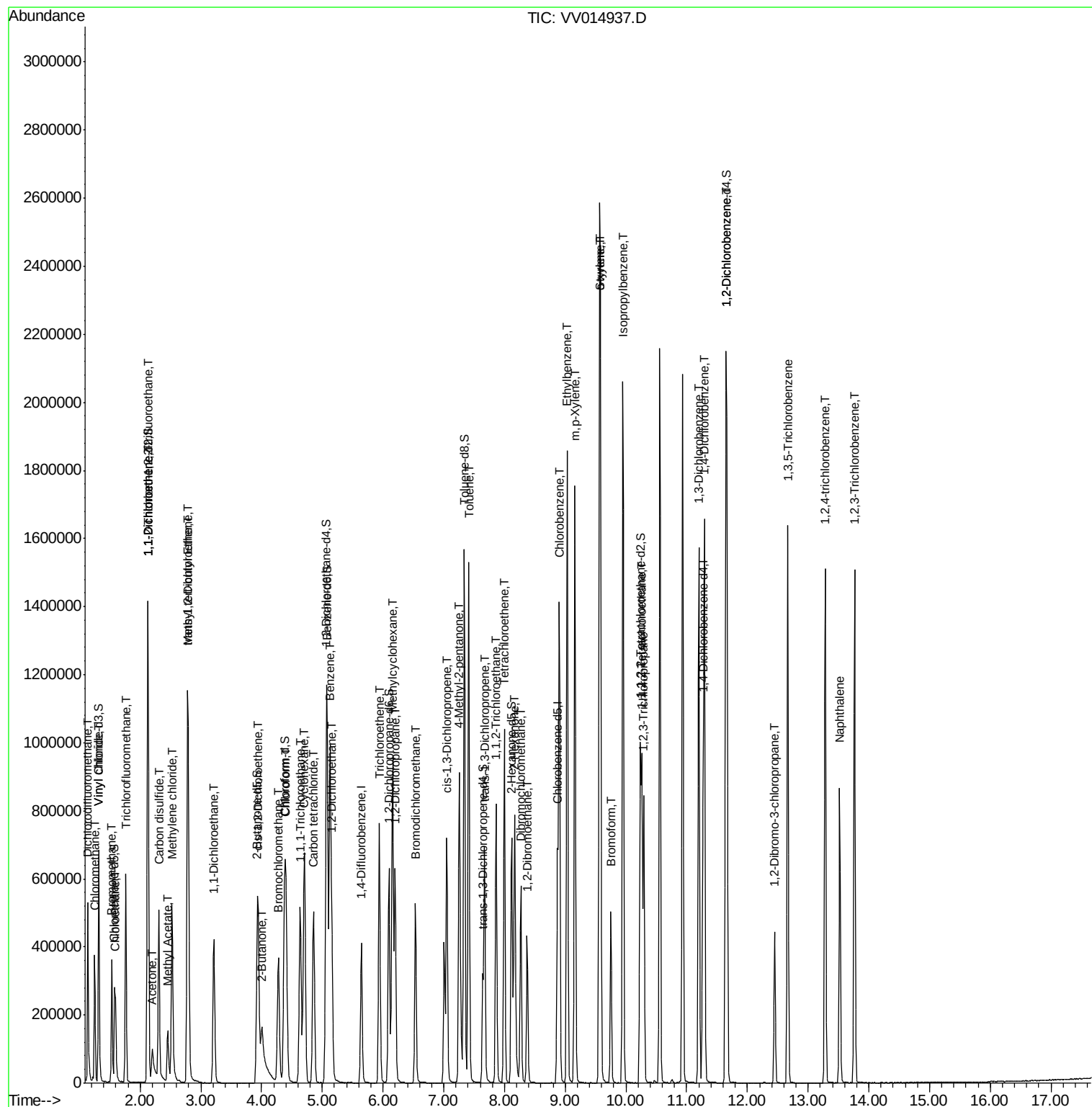
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	1121250	96.11	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	392355	97.43	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	258238	97.44	ug/L	99
46) Tetrachloroethene	8.00	164	244331	104.91	ug/L	99
48) 2-Hexanone	8.17	43	554376	175.66	ug/L	99
49) Dibromochloromethane	8.27	129	304187	104.98	ug/L	97
50) 1,2-Dibromoethane	8.37	107	285567	99.76	ug/L	100
51) Chlorobenzene	8.90	112	763301	100.52	ug/L	100
52) Ethylbenzene	9.03	91	1298248	98.56	ug/L	99
53) m,p-Xylene	9.16	106	508843	102.26	ug/L	99
54) o-xylene	9.57	106	503120	102.95	ug/L	100
55) Styrene	9.58	104	863614	103.41	ug/L	99
56) Isopropylbenzene	9.95	105	1335462	101.88	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	428523	94.73	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	339518	93.60	ug/L	99
61) Bromoform	9.75	173	231843	104.59	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	659803	99.90	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	671647	101.45	ug/L	98
65) 1,2-Dichlorobenzene	11.66	146	659907	99.94	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	104180	95.37	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	541461	105.08	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	495038	105.59	ug/L	99
69) Naphthalene	13.52	128	690069	100.07	ug/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	493859	105.17	ug/L	99

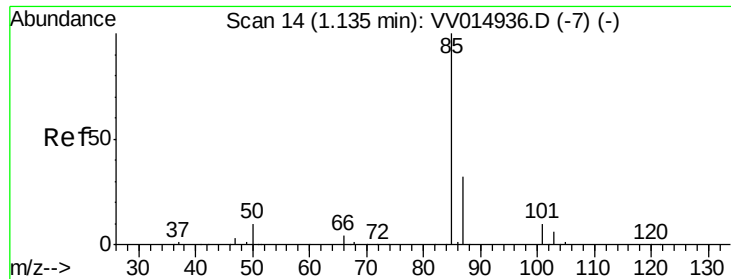
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 93.41 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

Instrument :

MSVOA_V

ClientSampleId :

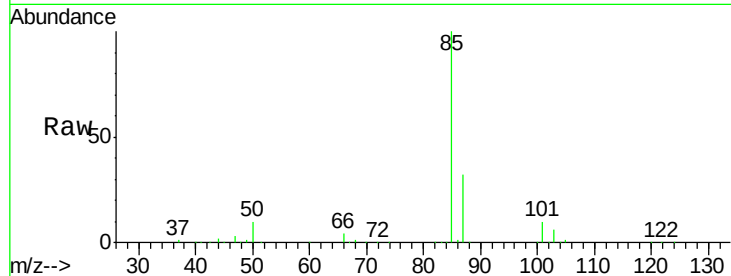
VSTD10066

Tgt Ion: 85 Resp: 333030

Ion Ratio Lower Upper

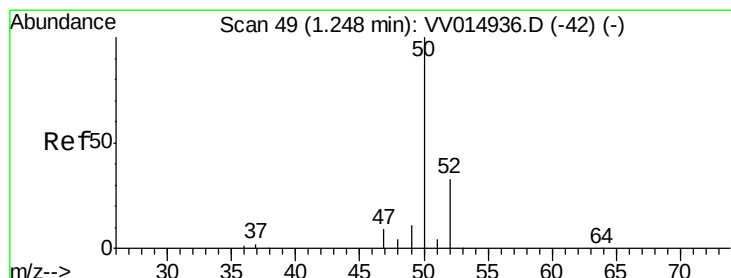
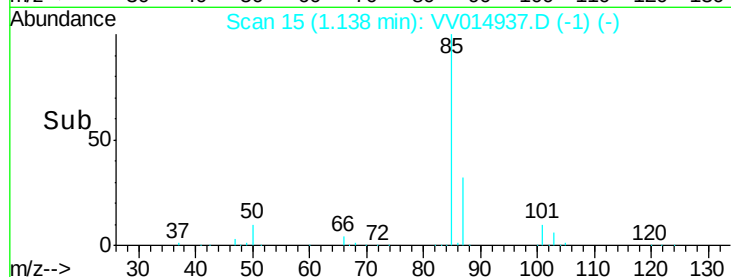
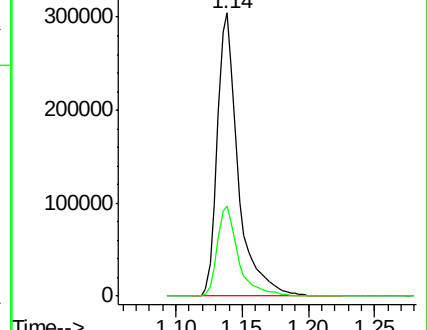
85 100

87 32.3 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 78.64 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014937.D

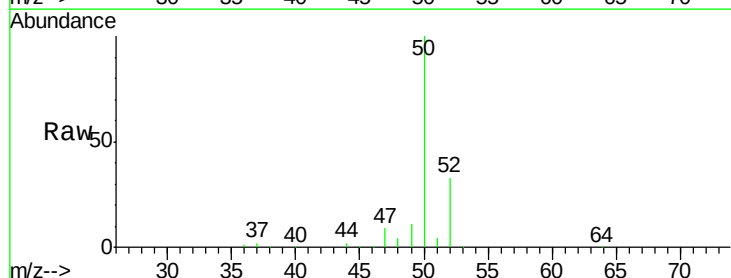
Acq: 16 Mar 2020 10:54

Tgt Ion: 50 Resp: 238735

Ion Ratio Lower Upper

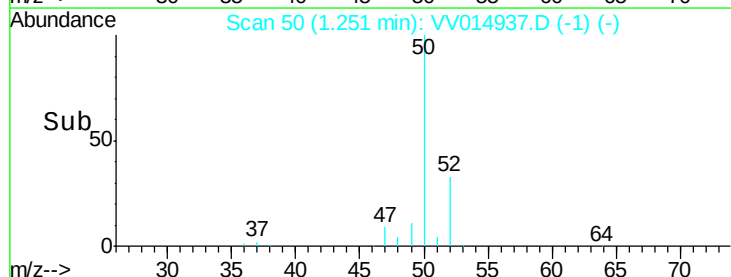
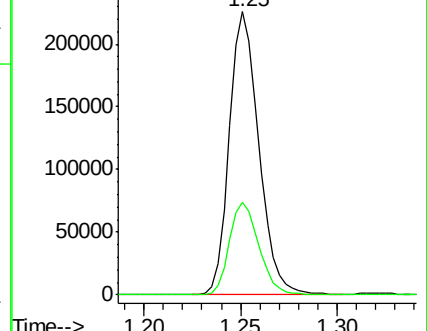
50 100

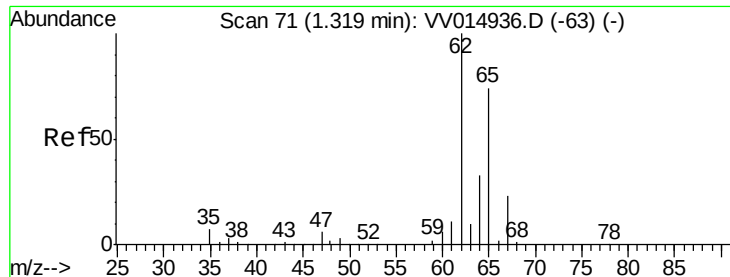
52 32.9 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 83.26 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

Instrument :

MSVOA_V

ClientSampleId :

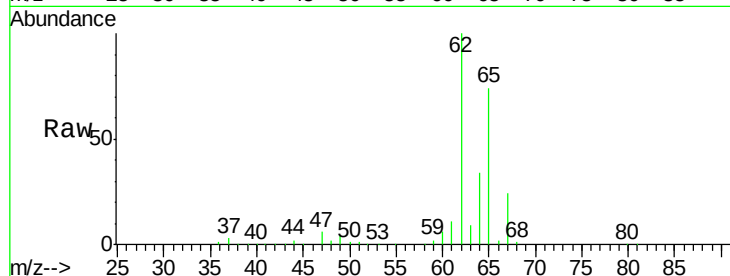
VSTD10066

Tgt Ion: 62 Resp: 236372

Ion Ratio Lower Upper

62 100

64 34.2 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

250000

200000

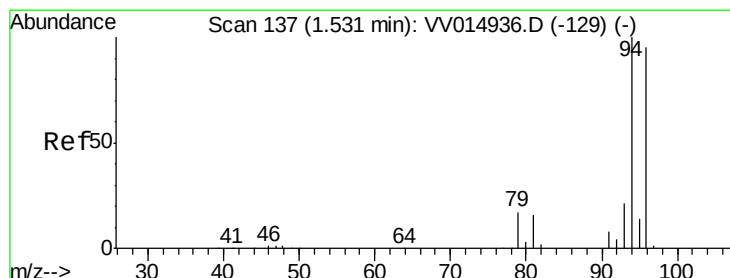
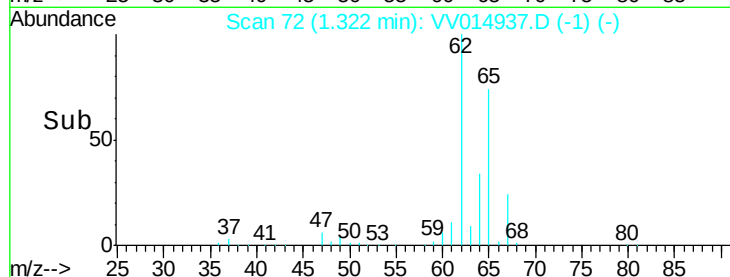
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 86.19 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014937.D

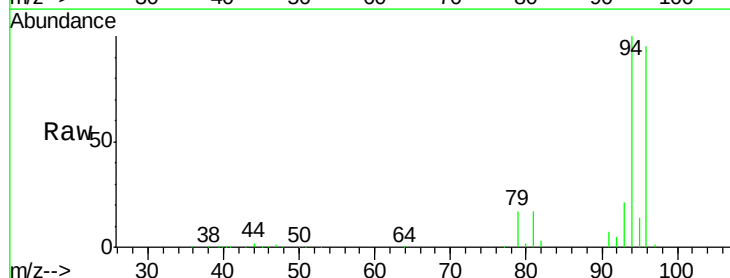
Acq: 16 Mar 2020 10:54

Tgt Ion: 94 Resp: 152474

Ion Ratio Lower Upper

94 100

96 95.4 66.8 124.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

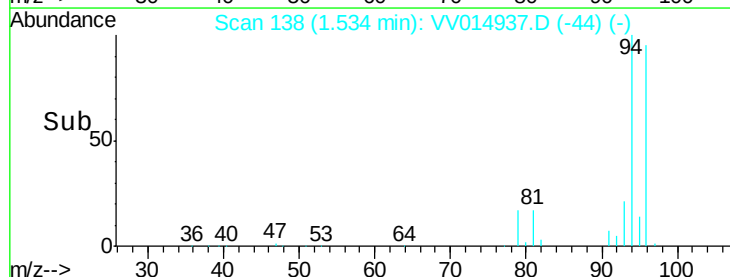
150000

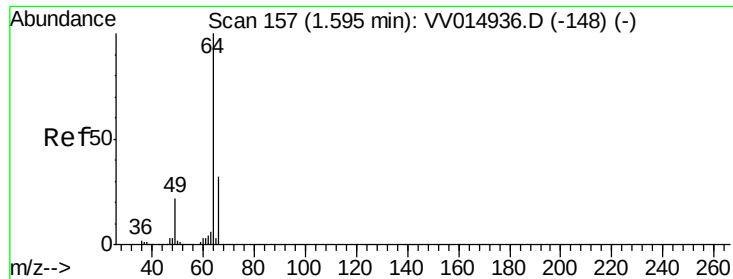
100000

50000

0

Time--> 1.50 1.55 1.60





#8

Chloroethane

Concen: 83.54 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

Instrument :

MSVOA_V

ClientSampleId :

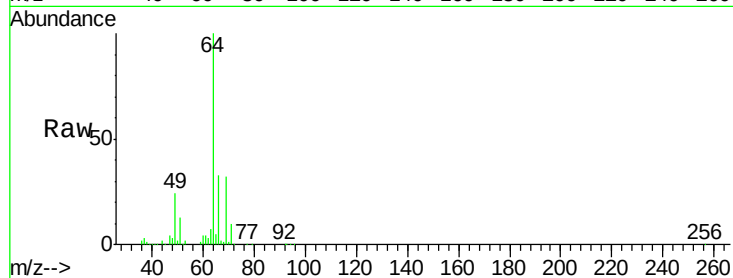
VSTD10066

Tgt Ion: 64 Resp: 126920

Ion Ratio Lower Upper

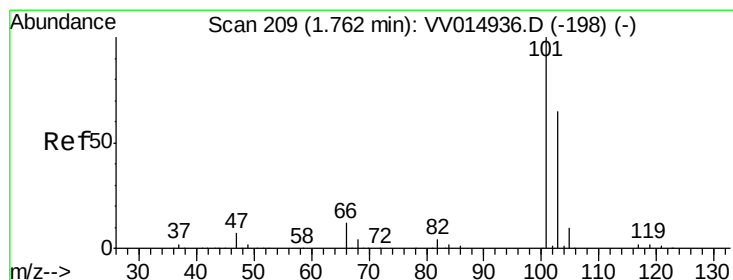
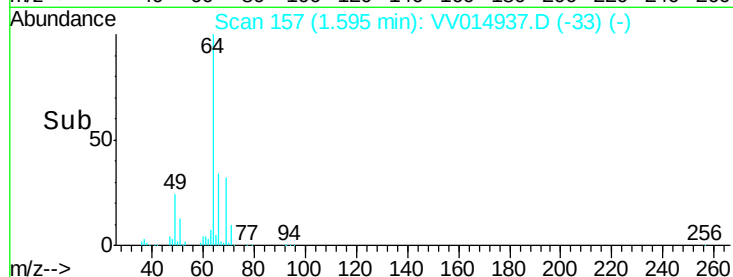
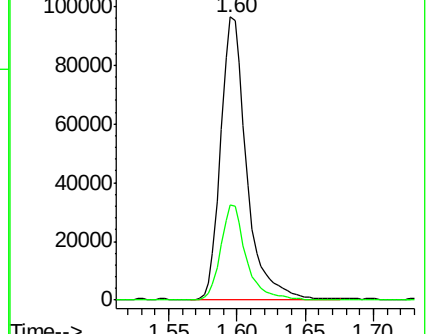
64 100

66 33.4 22.7 42.1



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0



#9

Trichlorofluoromethane

Concen: 94.60 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV014937.D

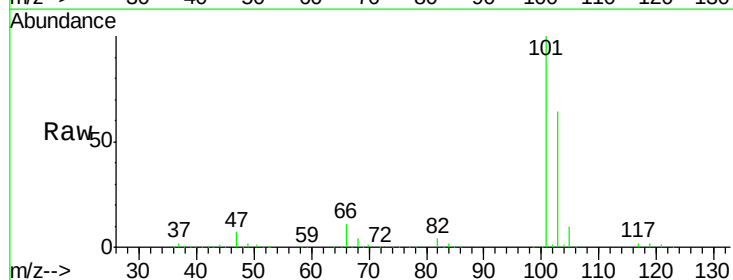
Acq: 16 Mar 2020 10:54

Tgt Ion: 101 Resp: 371284

Ion Ratio Lower Upper

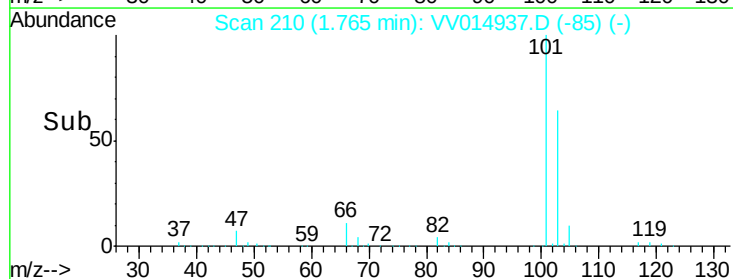
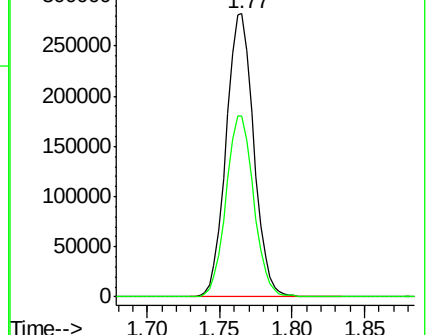
101 100

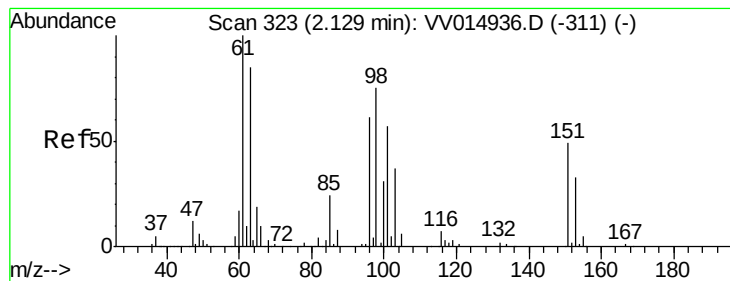
103 64.3 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 88.21 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

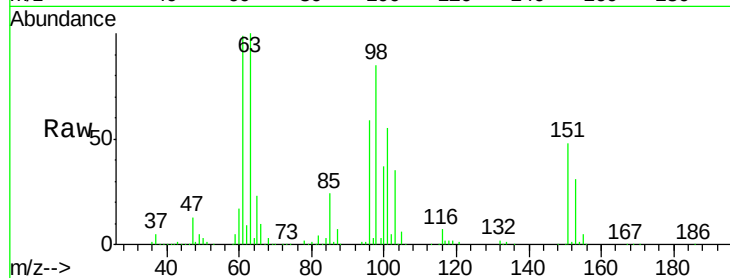
Tgt Ion: 101 Resp: 177027

Ion Ratio Lower Upper

101 100

85 43.2 33.9 50.9

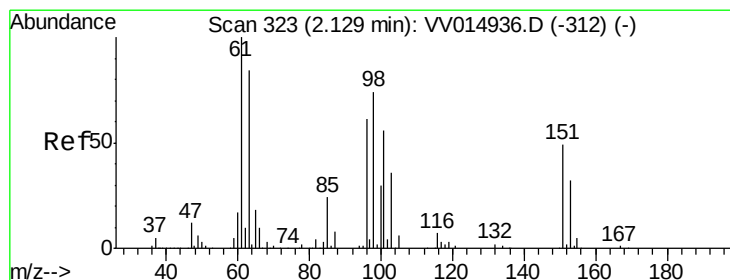
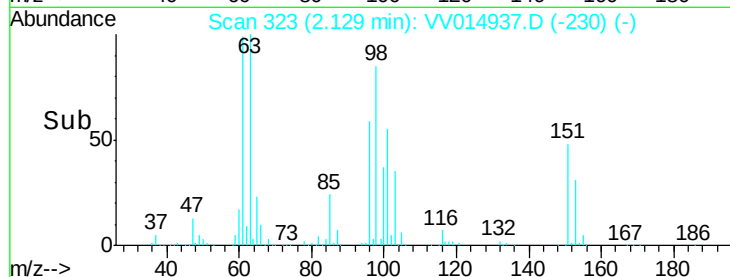
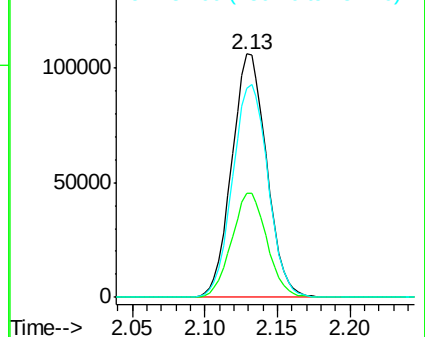
151 89.0 70.1 105.1



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: 88.07 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

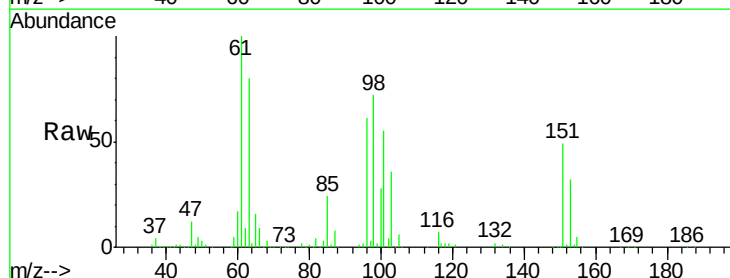
Tgt Ion: 96 Resp: 170260

Ion Ratio Lower Upper

96 100

61 163.9 115.7 214.9

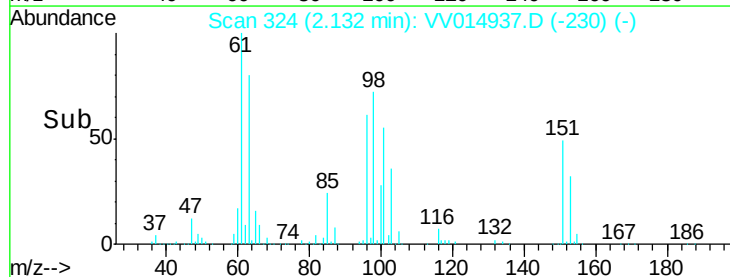
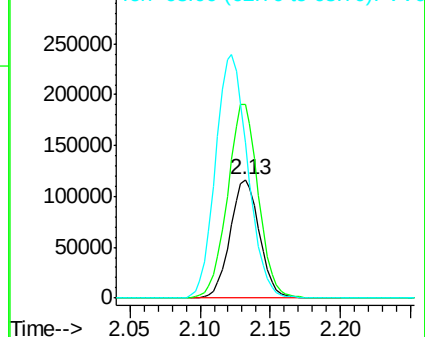
63 131.3 99.2 184.2

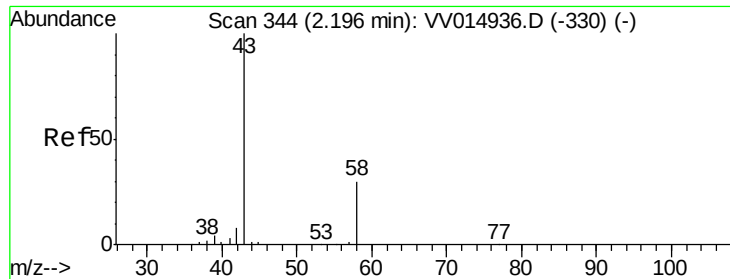


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 160.71 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

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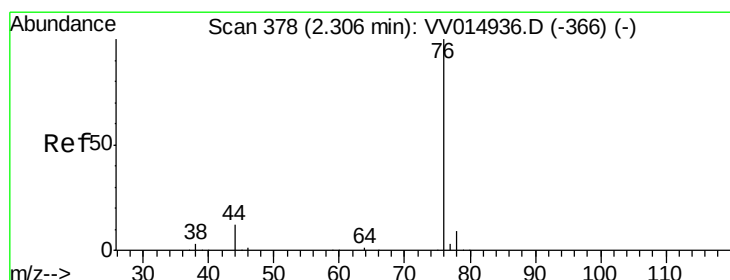
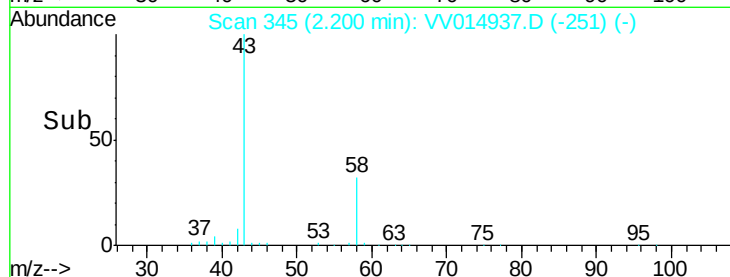
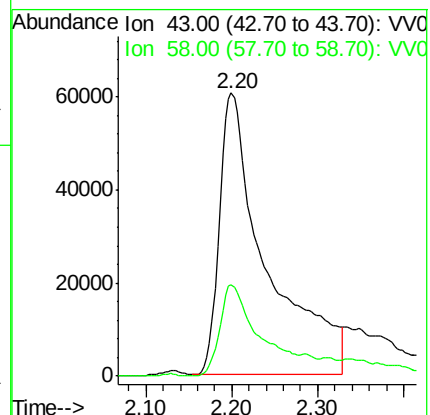
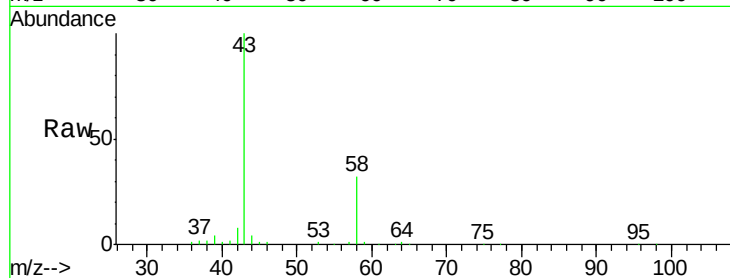
VSTD10066

Tgt Ion: 43 Resp: 230573

Ion Ratio Lower Upper

43 100

58 27.1 0.0 51.6



#14

Carbon disulfide

Concen: 89.16 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV014937.D

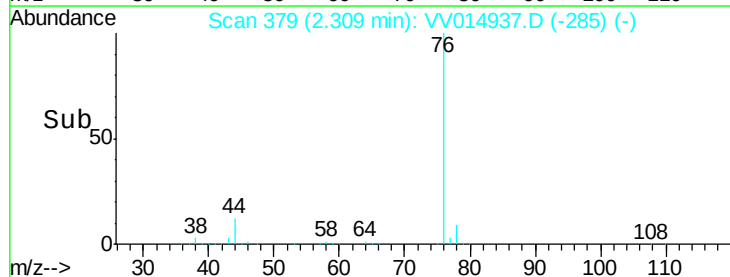
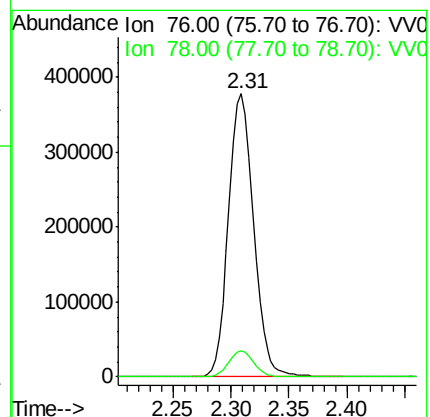
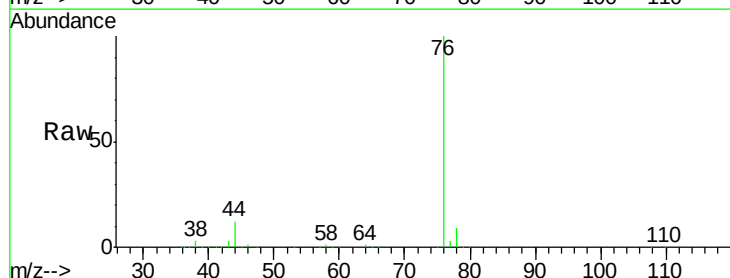
Acq: 16 Mar 2020 10:54

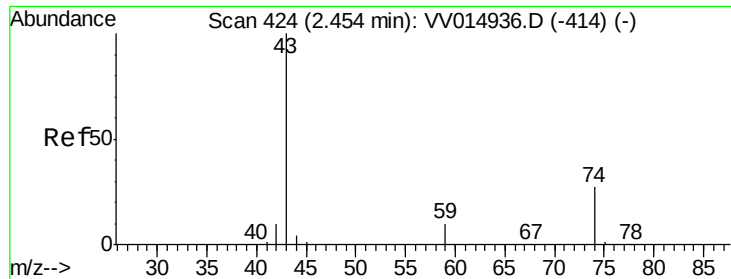
Tgt Ion: 76 Resp: 569508

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

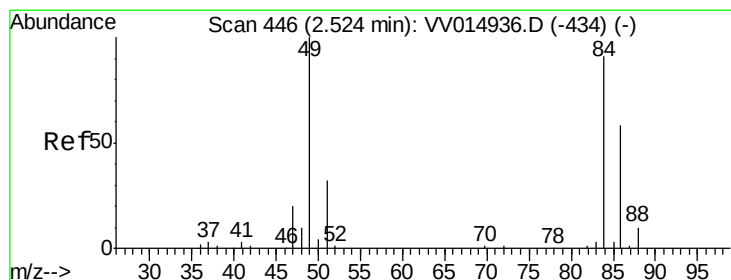
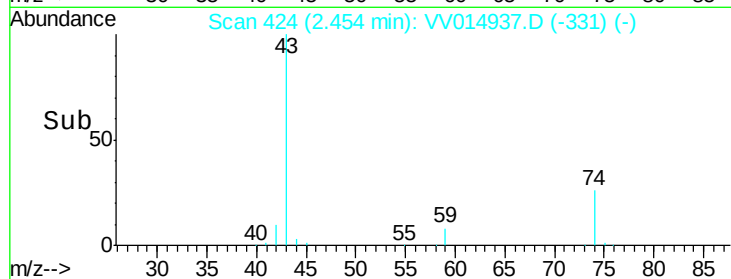
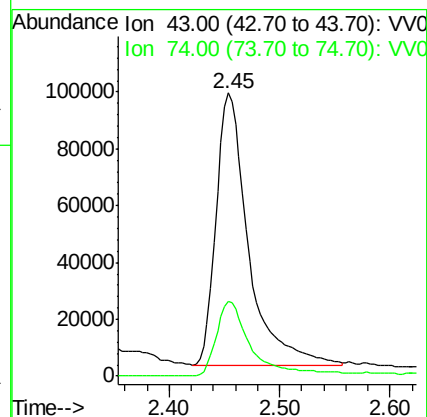
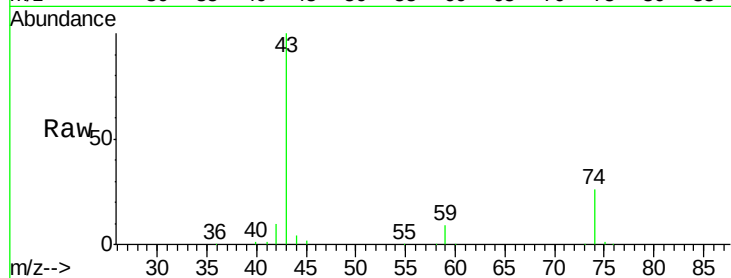




#15
Methyl Acetate
Concen: 72.82 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV014937.D
Acq: 16 Mar 2020 10:54

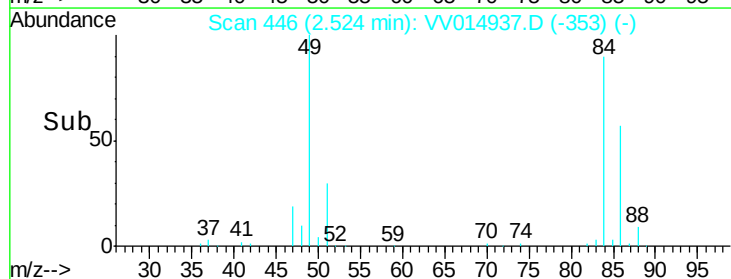
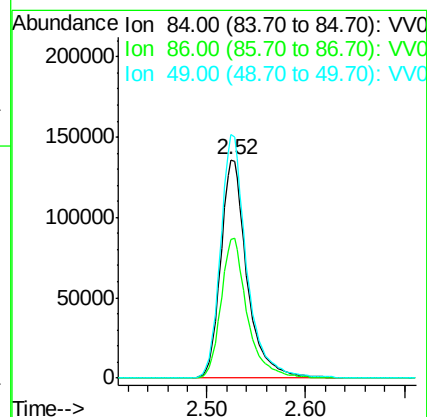
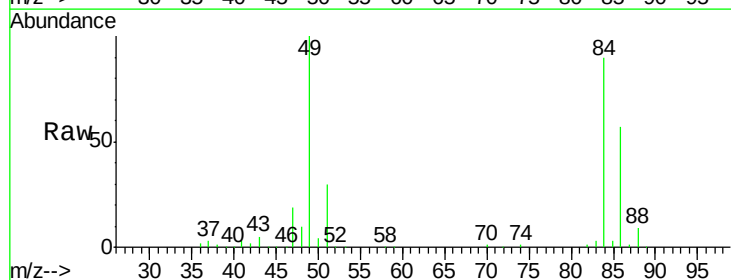
Instrument :
MSVOA_V
ClientSampled :
VSTD10066

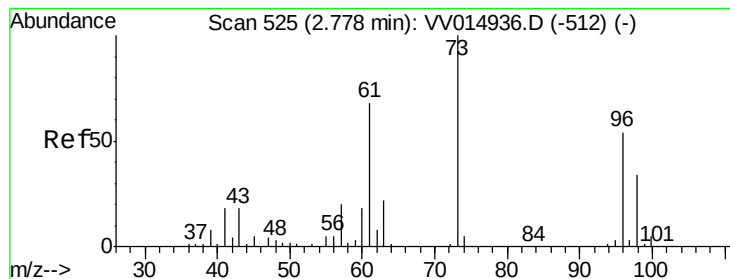
Tgt Ion: 43 Resp: 195679
Ion Ratio Lower Upper
43 100
74 29.1 22.4 33.6



#16
Methylene chloride
Concen: 94.73 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV014937.D
Acq: 16 Mar 2020 10:54

Tgt Ion: 84 Resp: 254784
Ion Ratio Lower Upper
84 100
86 63.5 44.6 82.8
49 111.5 76.9 142.9





#17

trans-1,2-Dichloroethene

Concen: 97.05 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

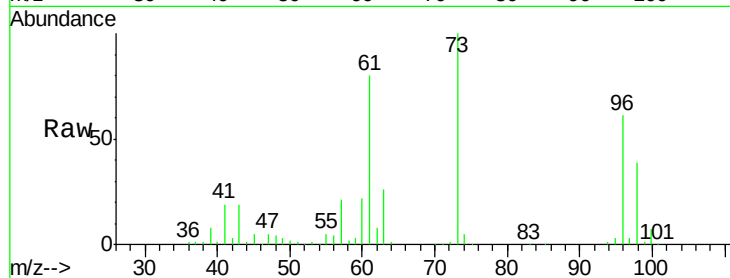
Tgt Ion: 96 Resp: 237599

Ion Ratio Lower Upper

96 100

61 131.1 87.9 163.3

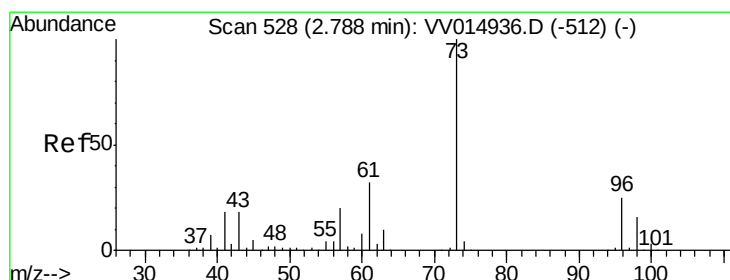
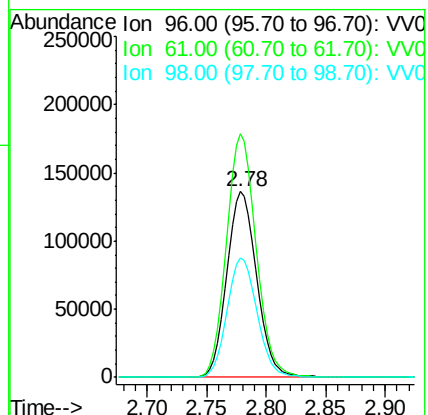
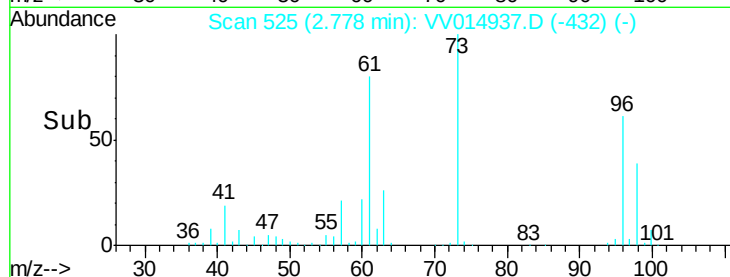
98 64.4 43.5 80.7



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 97.45 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

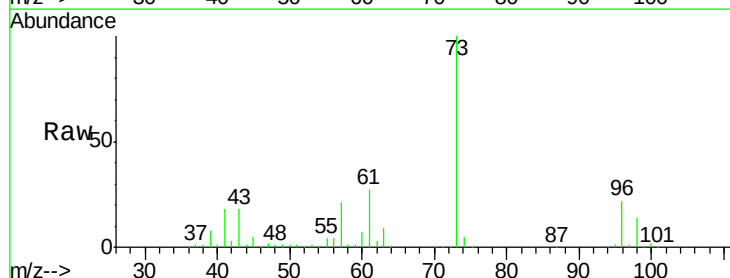
Tgt Ion: 73 Resp: 777833

Ion Ratio Lower Upper

73 100

43 17.8 14.4 21.6

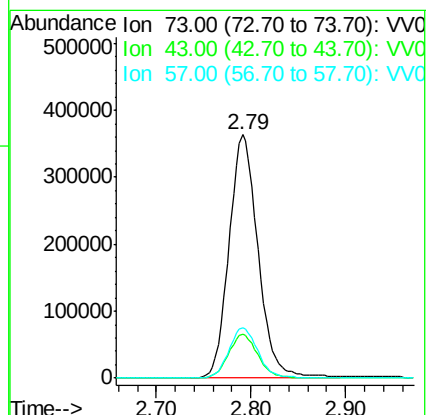
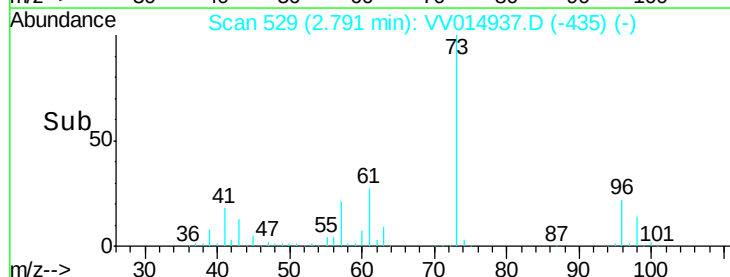
57 20.6 16.0 24.0

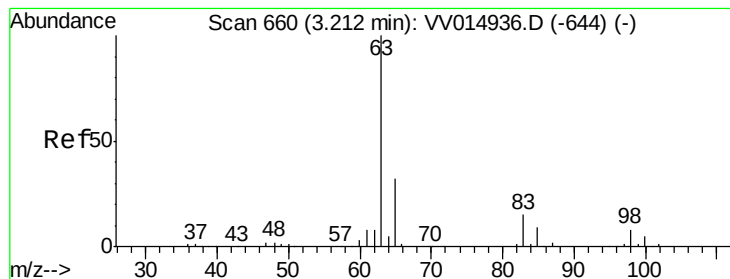


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 91.70 ug/L

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

Instrument :

MSVOA_V

ClientSampled :

VSTD10066

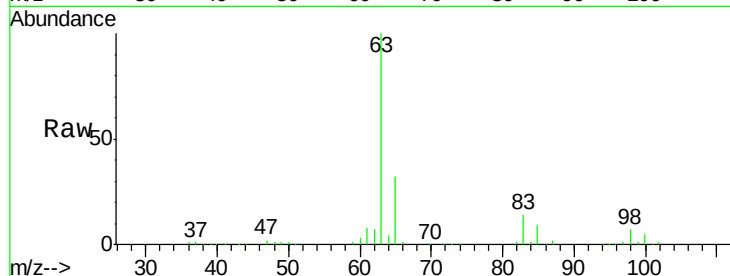
Tgt Ion: 63 Resp: 431100

Ion Ratio Lower Upper

63 100

65 32.3 22.7 42.3

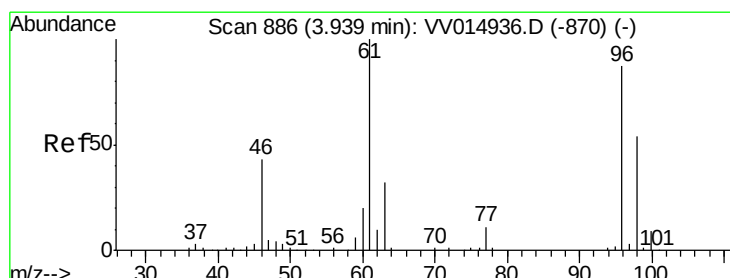
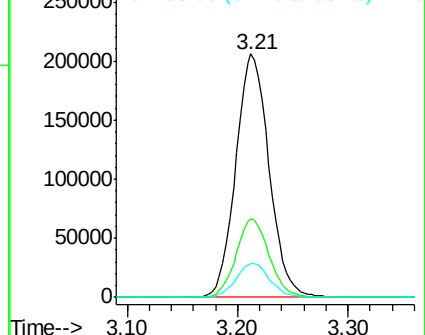
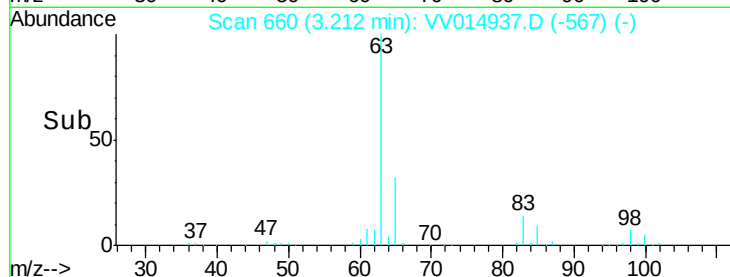
83 13.8 10.4 19.2



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 100.26 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

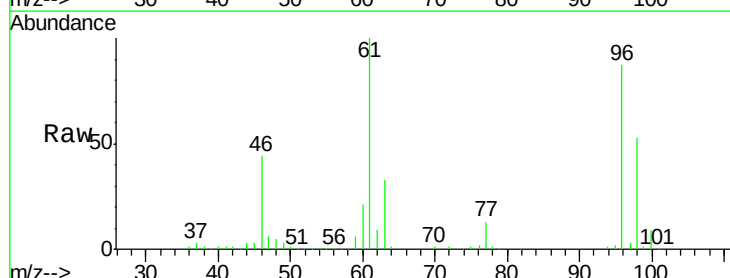
Tgt Ion: 96 Resp: 275621

Ion Ratio Lower Upper

96 100

61 115.0 80.2 149.0

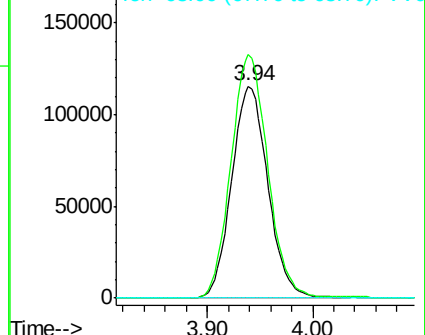
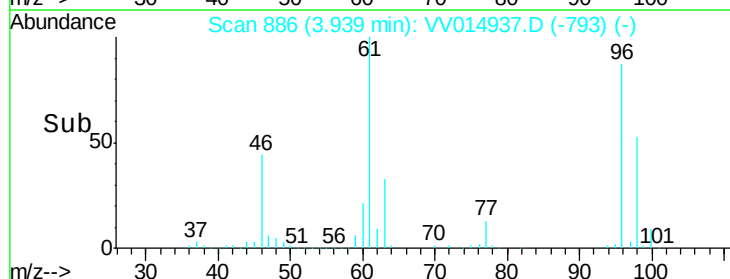
68 0.0 0.0 0.0

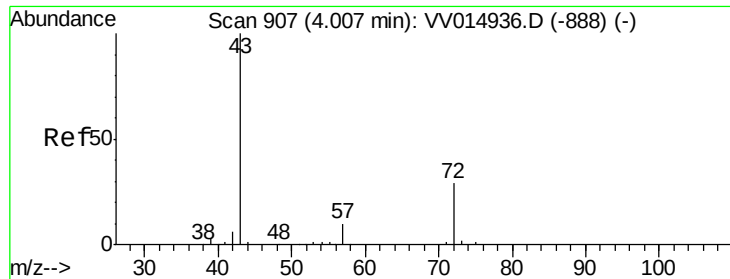


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 174.75 ug/L

RT: 4.01 min Scan# 907

Delta R.T. -0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

Instrument :

MSVOA_V

ClientSampleId :

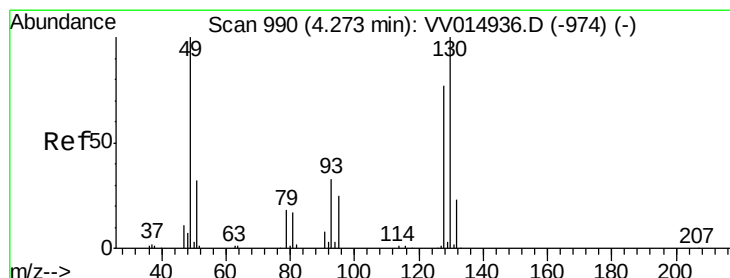
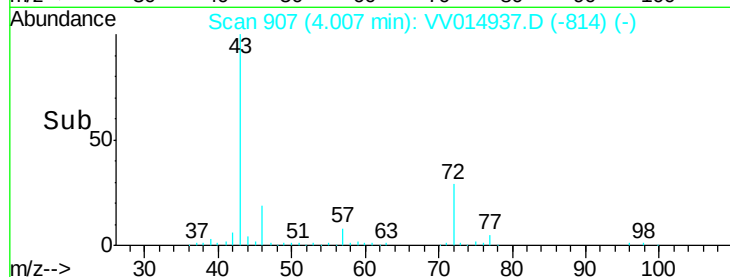
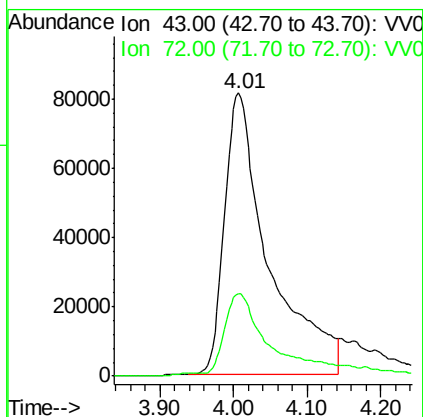
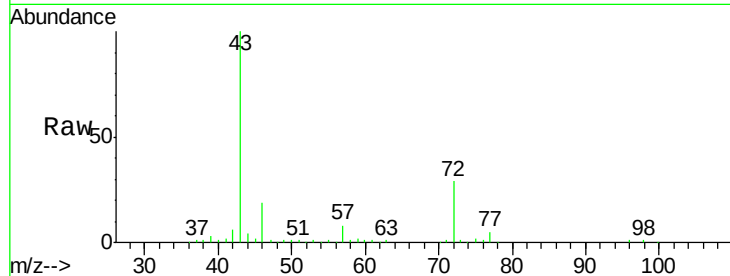
VSTD10066

Tgt Ion: 43 Resp: 341487

Ion Ratio Lower Upper

43 100

72 24.2 10.9 32.6



#23

Bromochloromethane

Concen: 100.05 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

Tgt Ion: 128 Resp: 141490

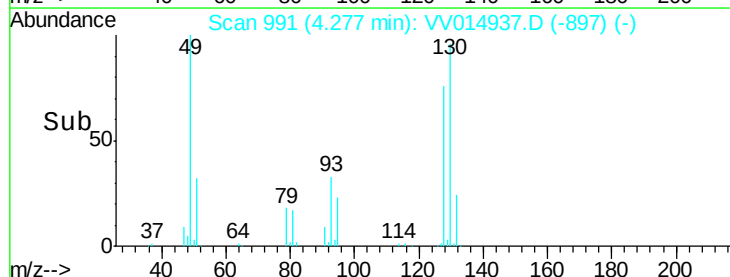
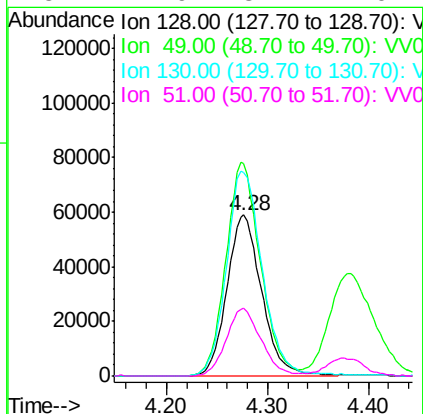
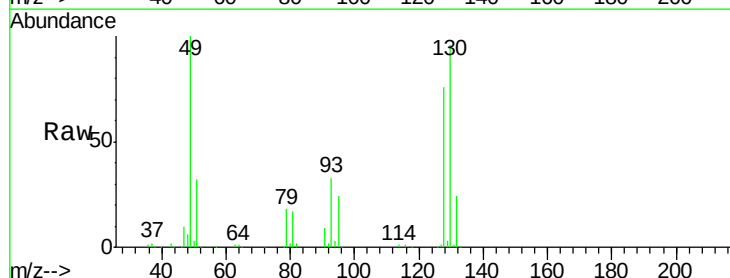
Ion Ratio Lower Upper

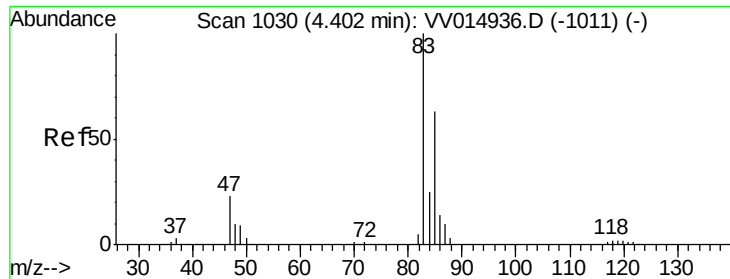
128 100

49 132.3 90.4 167.8

130 126.6 90.4 168.0

51 41.9 32.7 49.1

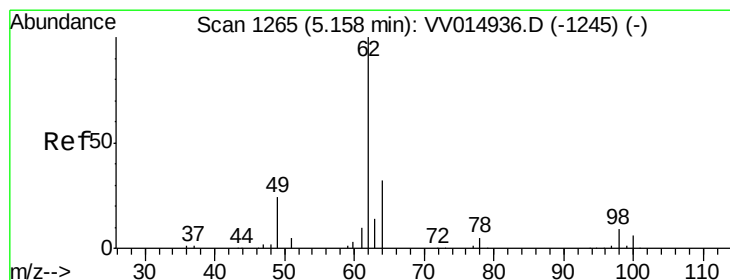
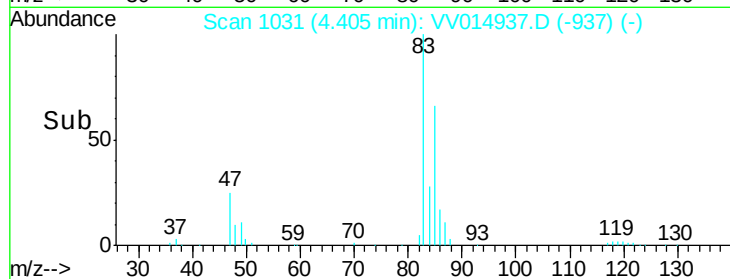
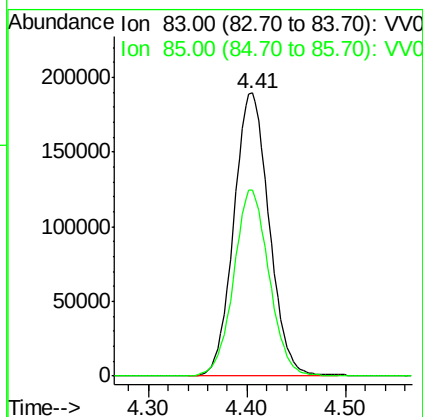
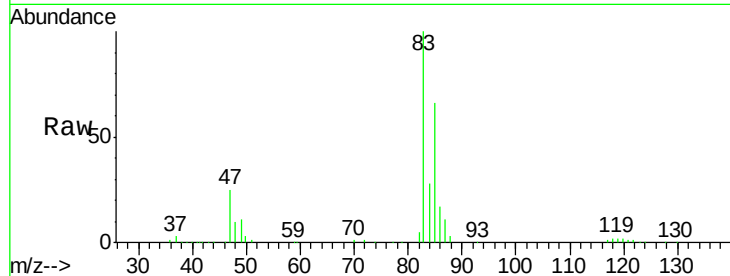




#25
Chloroform
Concen: 96.04 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV014937.D
Acq: 16 Mar 2020 10:54

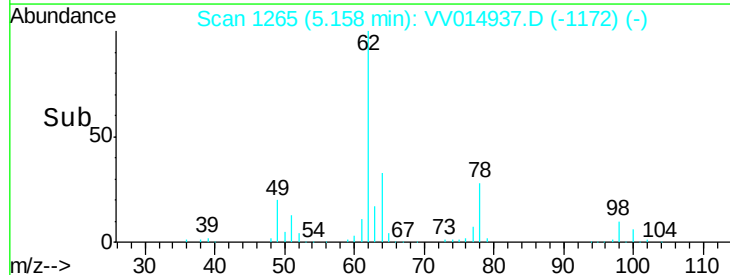
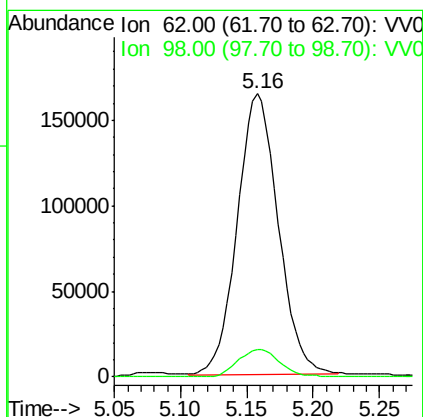
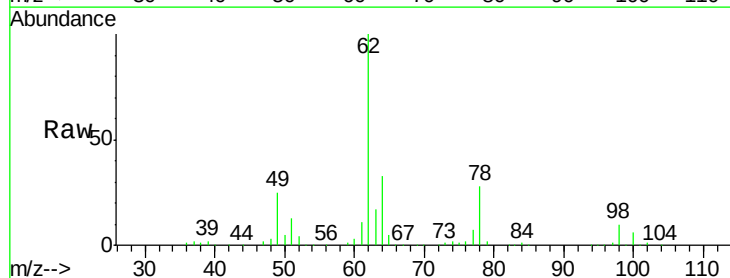
Instrument :
MSVOA_V
ClientSampleId :
VSTD10066

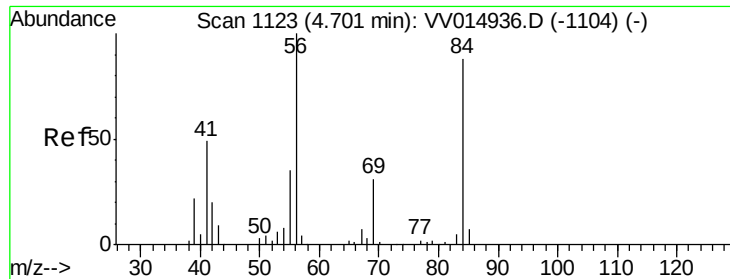
Tgt Ion: 83 Resp: 471354
Ion Ratio Lower Upper
83 100
85 65.6 44.6 82.8



#27
1,2-Dichloroethane
Concen: 92.58 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV014937.D
Acq: 16 Mar 2020 10:54

Tgt Ion: 62 Resp: 353460
Ion Ratio Lower Upper
62 100
98 9.6 7.4 11.0

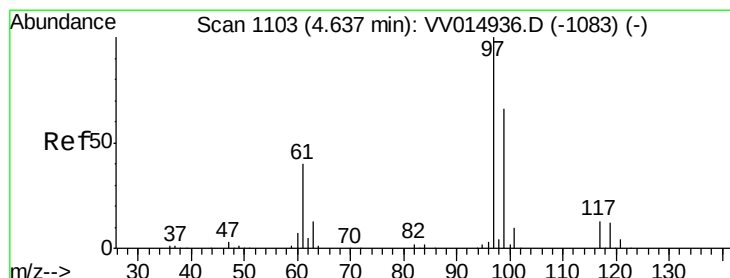
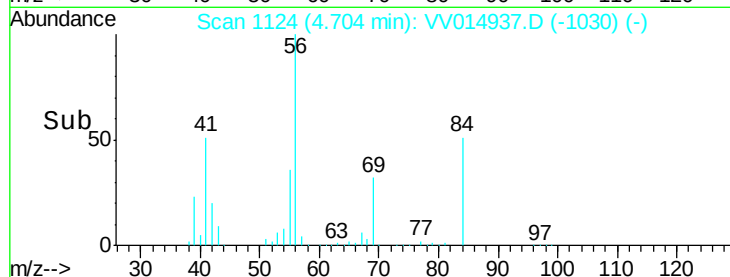
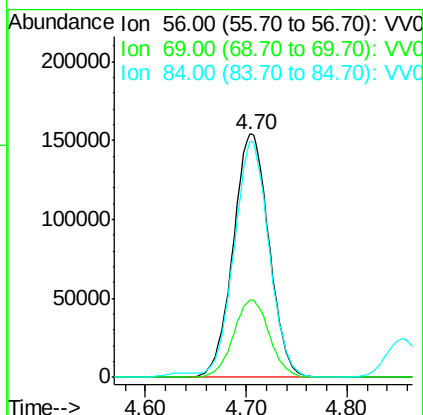
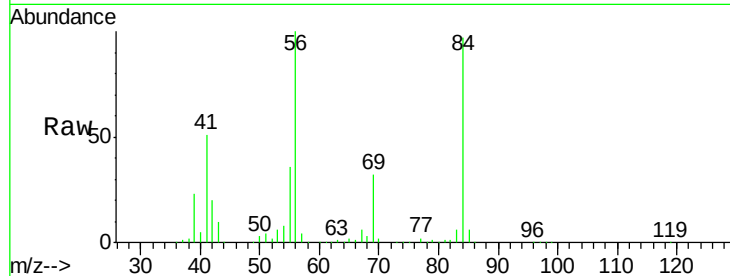




#29
Cyclohexane
Concen: 87.57 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV014937.D
Acq: 16 Mar 2020 10:54

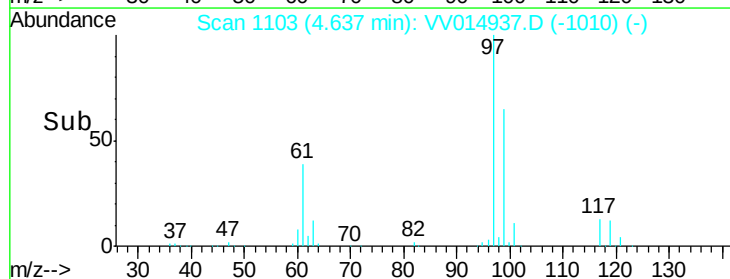
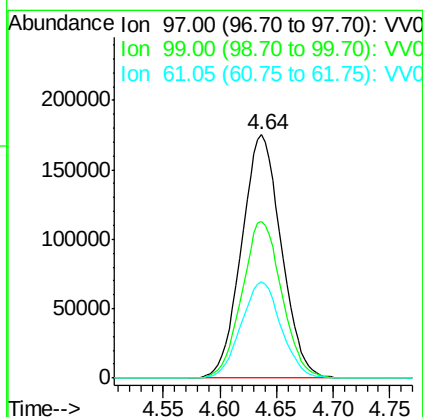
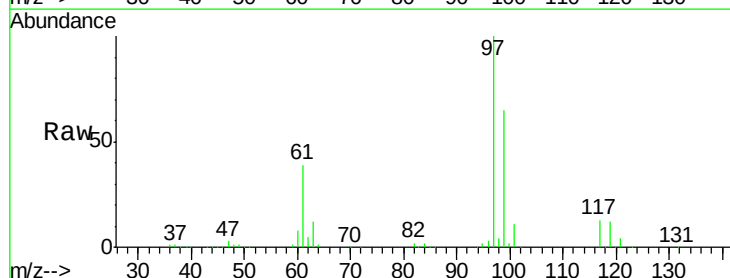
Instrument :
MSVOA_V
ClientSampleId :
VSTD10066

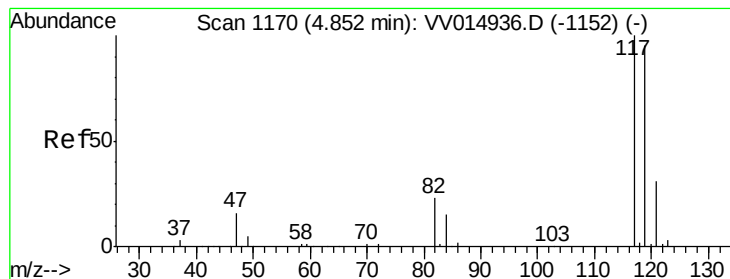
Tgt Ion: 56 Resp: 378910
Ion Ratio Lower Upper
56 100
69 31.9 25.2 37.8
84 95.2 76.4 114.6



#30
1,1,1-Trichloroethane
Concen: 99.66 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VV014937.D
Acq: 16 Mar 2020 10:54

Tgt Ion: 97 Resp: 428150
Ion Ratio Lower Upper
97 100
99 64.6 51.8 77.6
61 40.0 32.0 48.0





#31

Carbon tetrachloride

Concen: 105.33 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

Instrument :

MSVOA_V

ClientSampleId :

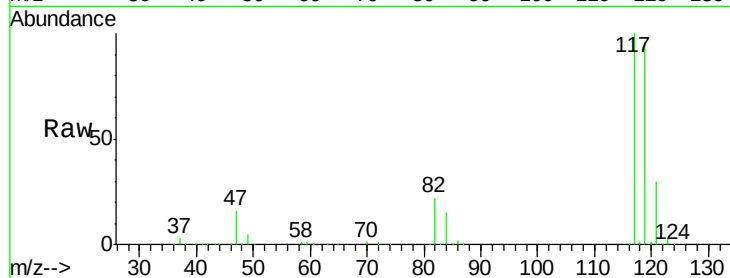
VSTD10066

Tgt Ion:117 Resp: 388200

Ion Ratio Lower Upper

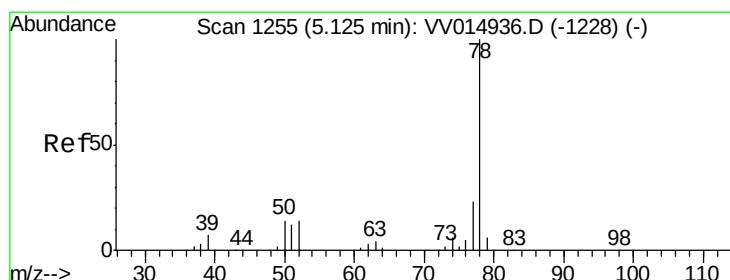
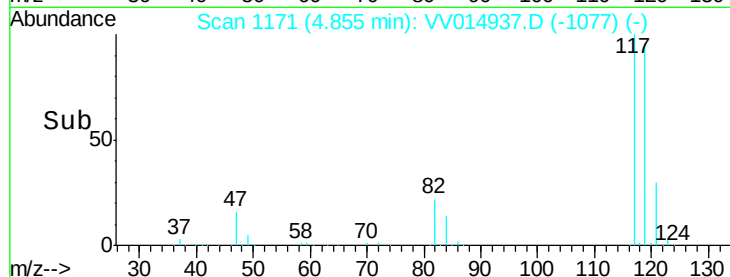
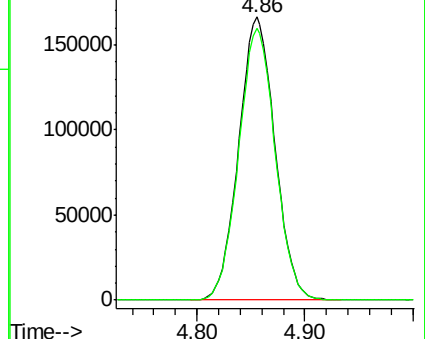
117 100

119 96.8 75.9 113.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 93.00 ug/L

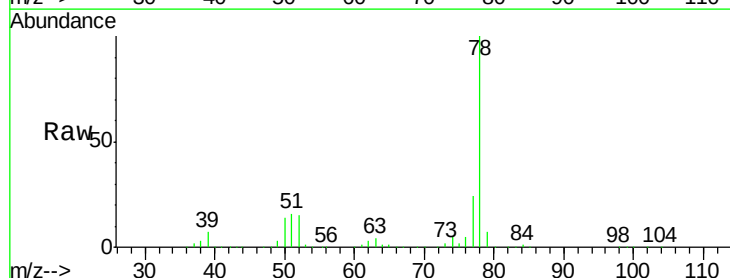
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

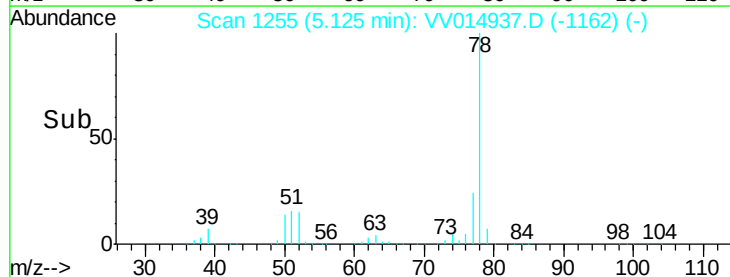
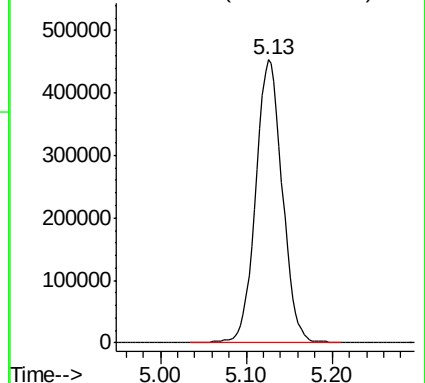
Lab File: VV014937.D

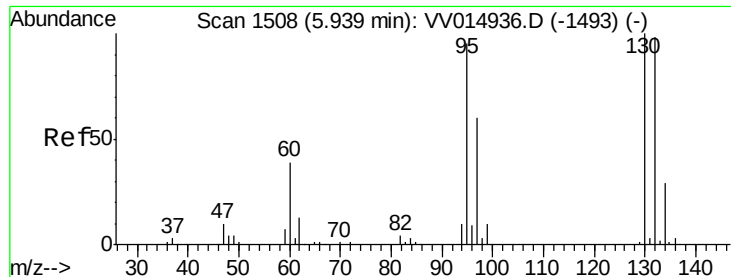
Acq: 16 Mar 2020 10:54

Tgt Ion: 78 Resp: 979193



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 94.73 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

Tgt Ion: 95 Resp: 261535

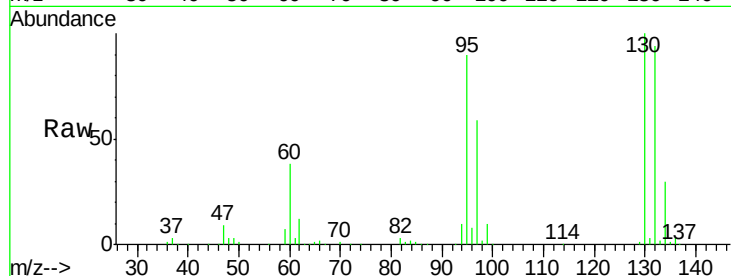
Ion Ratio Lower Upper

95 100

97 65.0 44.4 82.4

132 103.4 72.4 134.4

130 110.5 74.1 137.5

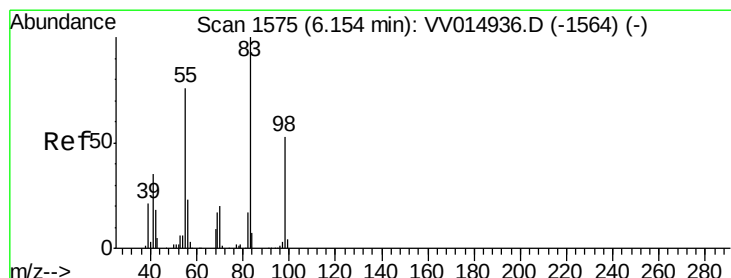
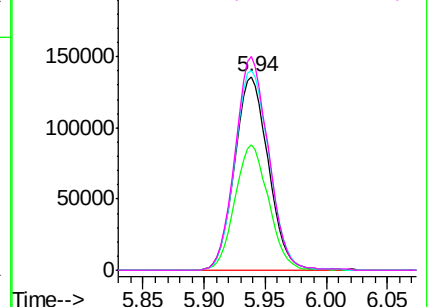
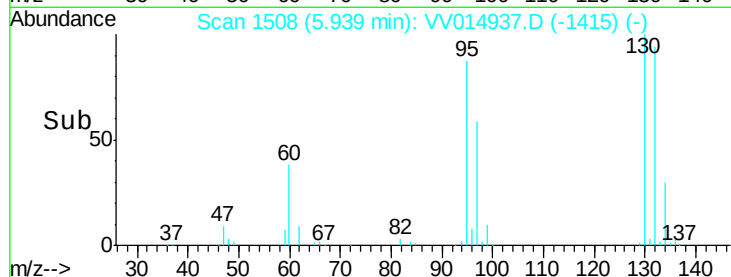


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 94.00 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

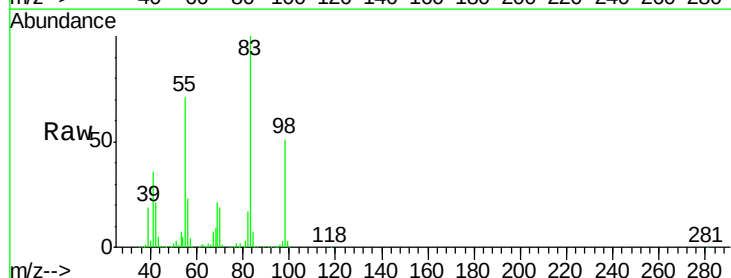
Tgt Ion: 83 Resp: 427553

Ion Ratio Lower Upper

83 100

55 71.4 57.5 86.3

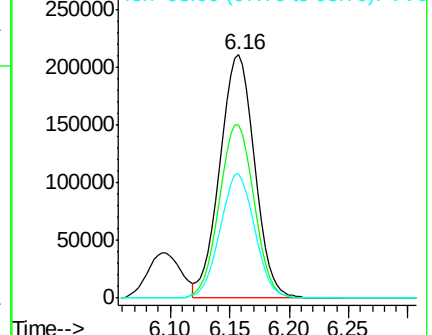
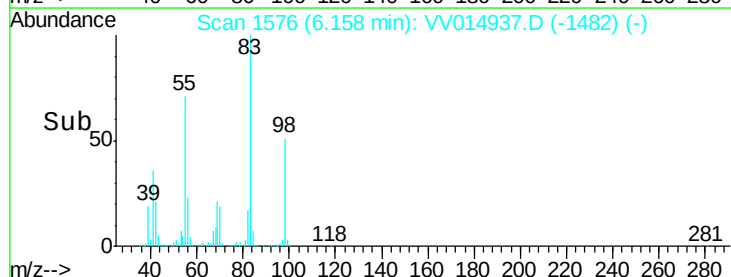
98 51.1 39.5 59.3

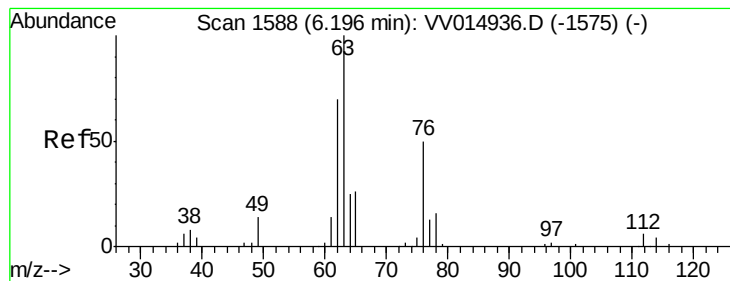


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 88.34 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

Instrument :

MSVOA_V

ClientSampleId :

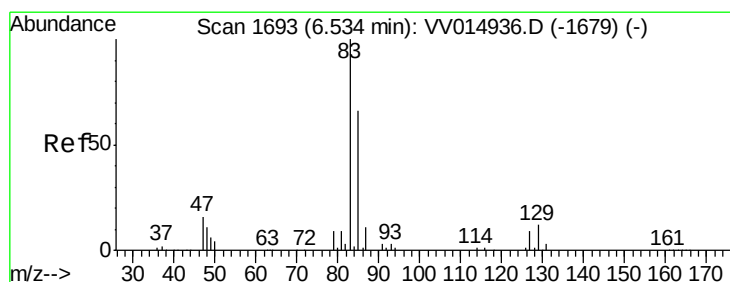
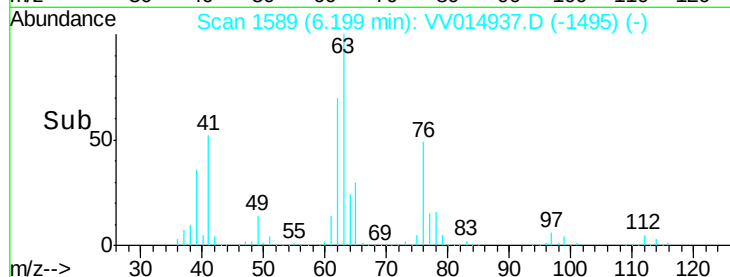
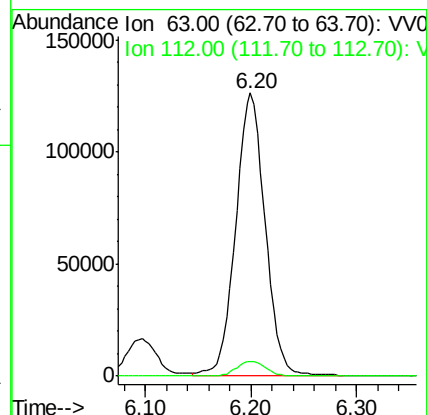
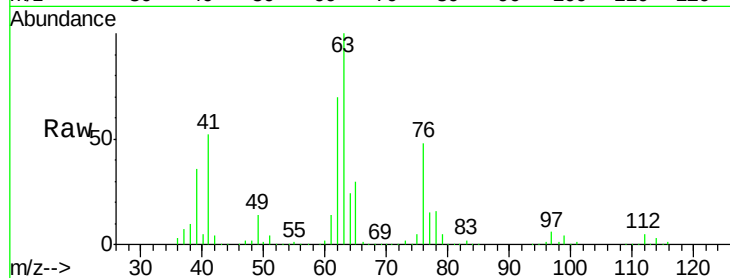
VSTD10066

Tgt Ion: 63 Resp: 245694

Ion Ratio Lower Upper

63 100

112 5.2 4.4 6.6



#38

Bromodichloromethane

Concen: 98.01 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

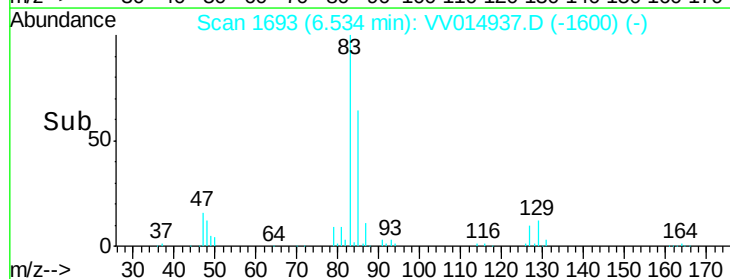
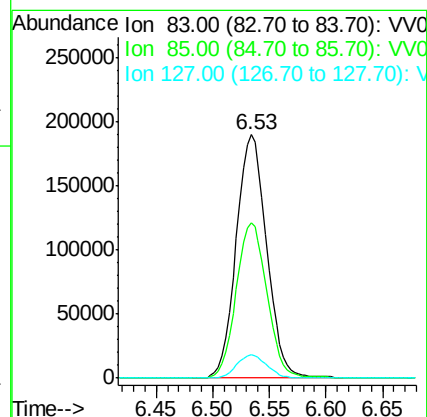
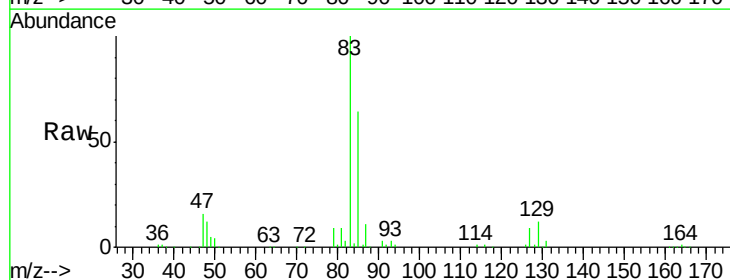
Tgt Ion: 83 Resp: 357188

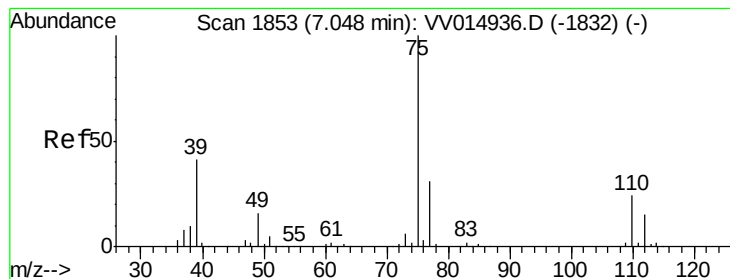
Ion Ratio Lower Upper

83 100

85 63.7 46.0 85.4

127 9.5 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 96.12 ug/L

RT: 7.05 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

Instrument :

MSVOA_V

ClientSampled :

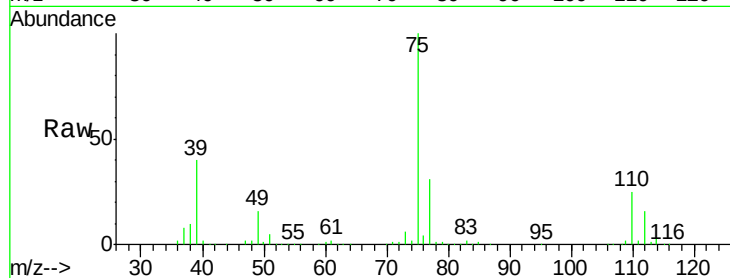
VSTD10066

Tgt Ion: 75 Resp: 429965

Ion Ratio Lower Upper

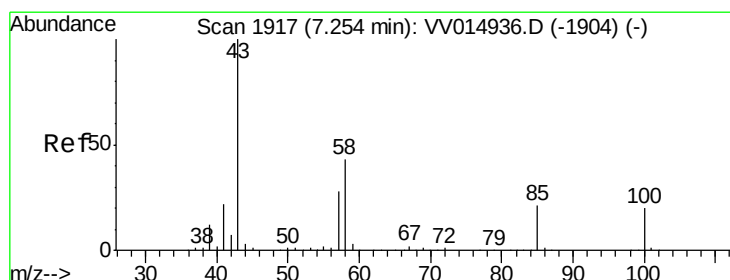
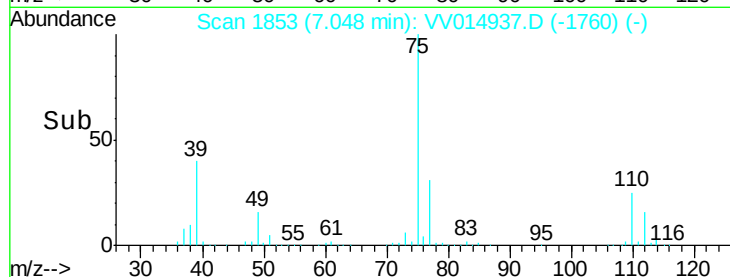
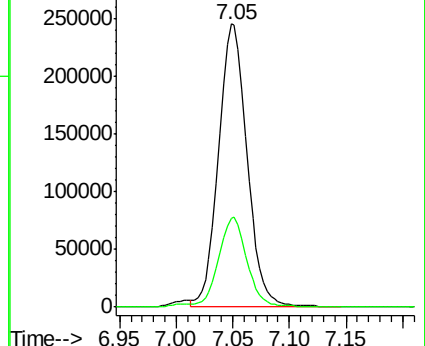
75 100

77 31.4 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#40

4-Methyl-2-pentanone

Concen: 172.64 ug/L

RT: 7.25 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

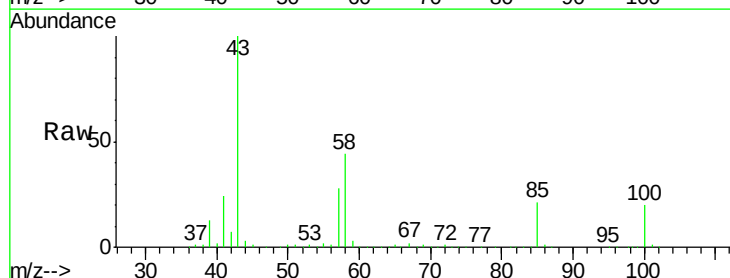
Tgt Ion: 43 Resp: 693520

Ion Ratio Lower Upper

43 100

58 42.6 33.9 50.9

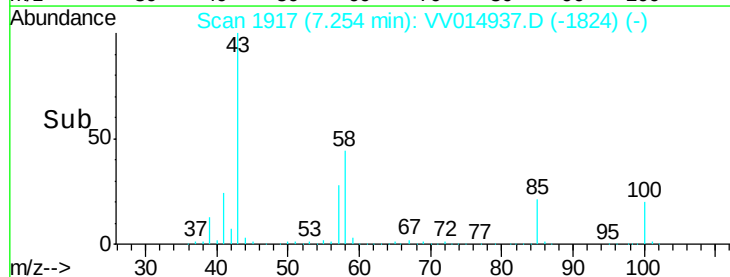
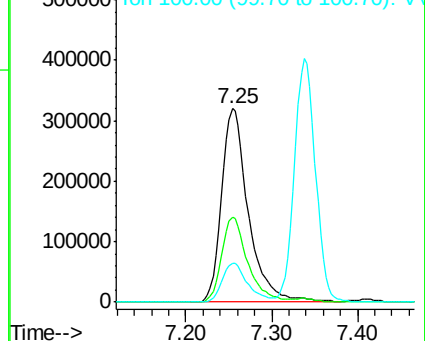
100 19.1 15.1 22.7

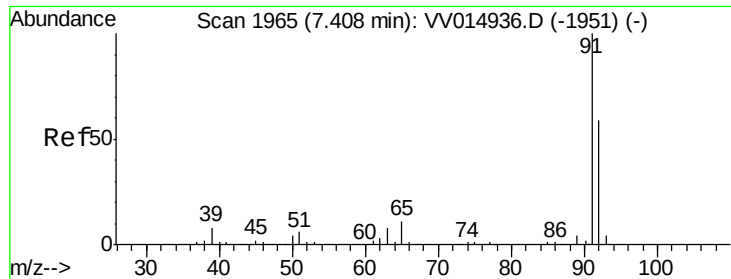


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#42

Toluene

Concen: 96.11 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

Instrument :

MSVOA_V

ClientSampleId :

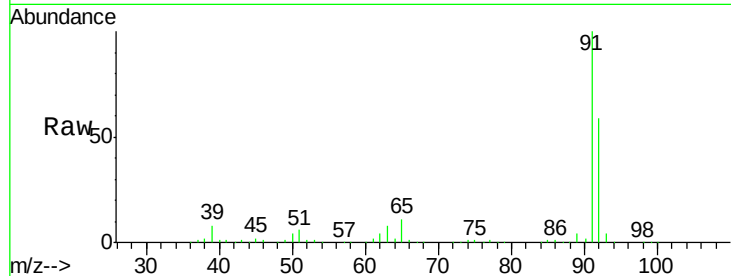
VSTD10066

Tgt Ion: 91 Resp: 1121250

Ion Ratio Lower Upper

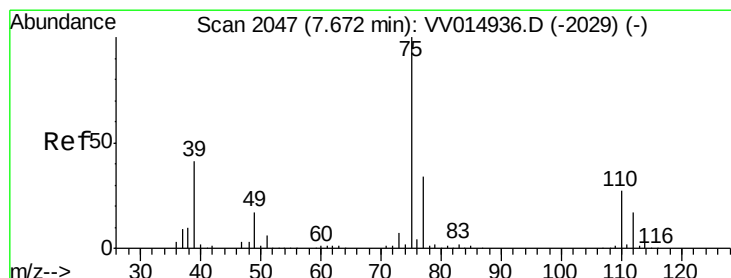
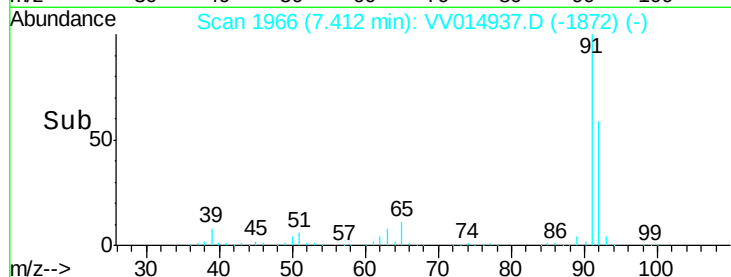
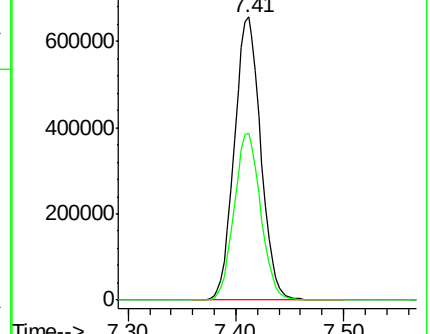
91 100

92 59.1 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 97.43 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV014937.D

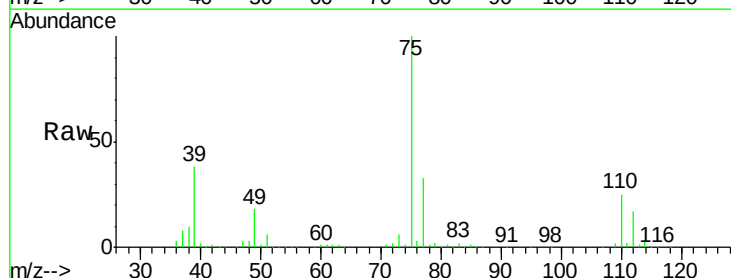
Acq: 16 Mar 2020 10:54

Tgt Ion: 75 Resp: 392355

Ion Ratio Lower Upper

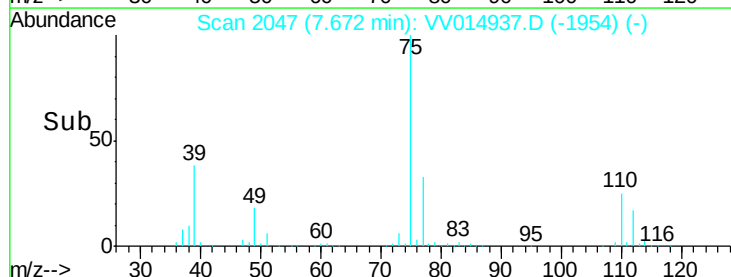
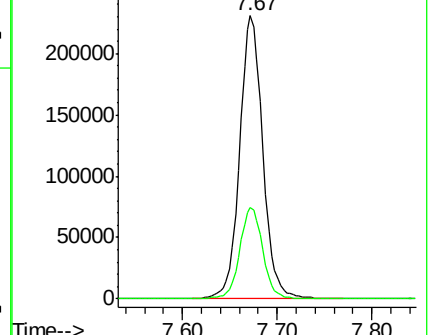
75 100

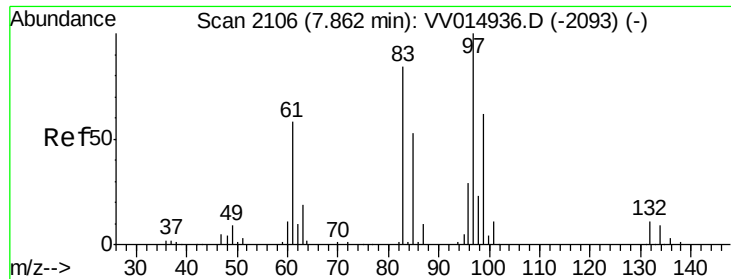
77 32.5 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

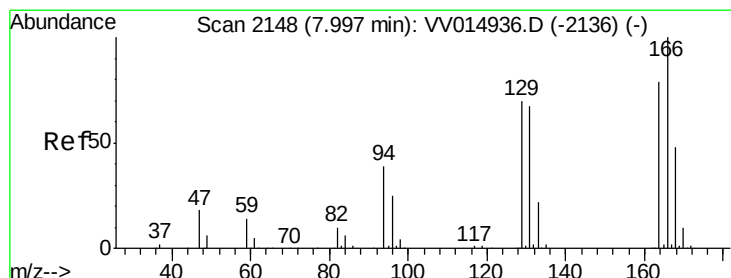
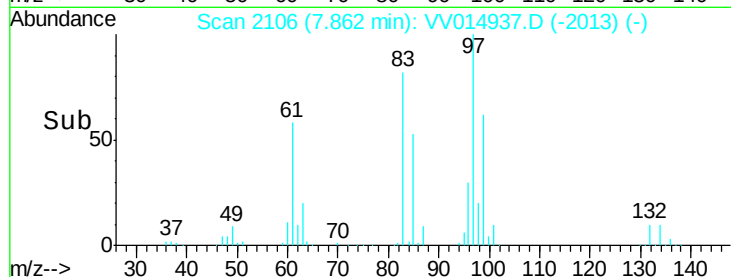
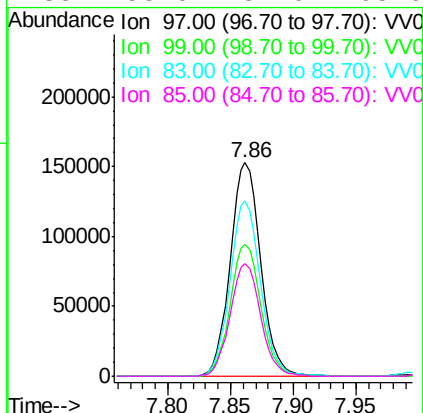
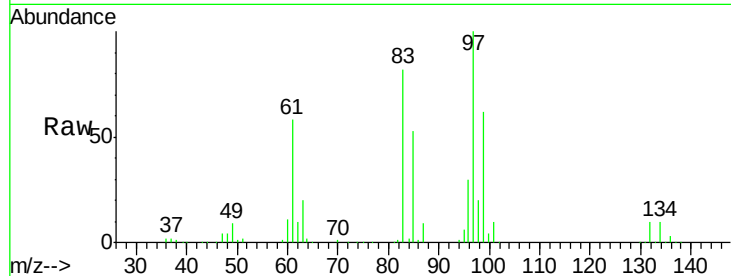




#45
 1,1,2-Trichloroethane
 Concen: 97.44 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV014937.D
 Acq: 16 Mar 2020 10:54

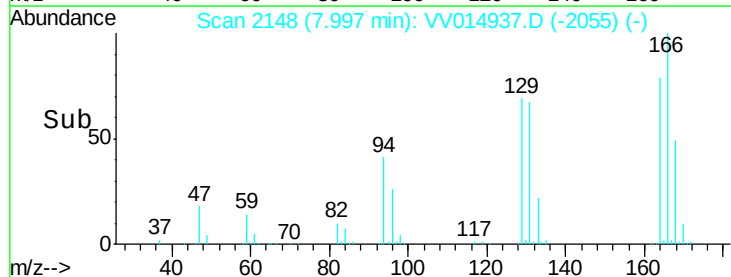
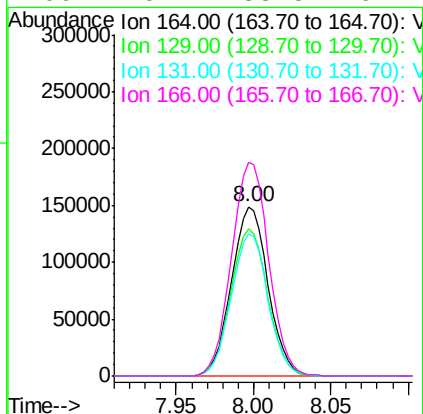
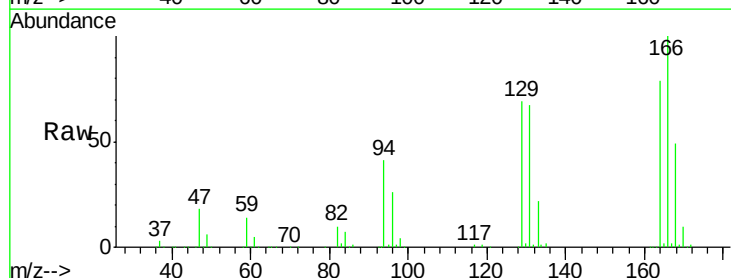
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

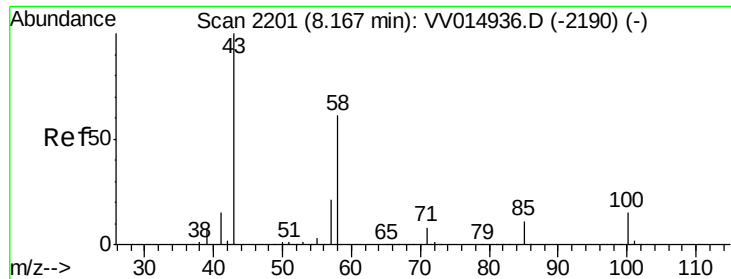
Tgt Ion:	97	Resp:	258238
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.7	81.1
83	81.9	58.6	108.8
85	53.0	37.0	68.6



#46
 Tetrachloroethene
 Concen: 104.91 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV014937.D
 Acq: 16 Mar 2020 10:54

Tgt Ion:	164	Resp:	244331
Ion	Ratio	Lower	Upper
164	100		
129	87.0	62.0	115.2
131	84.2	59.5	110.5
166	126.2	88.5	164.4

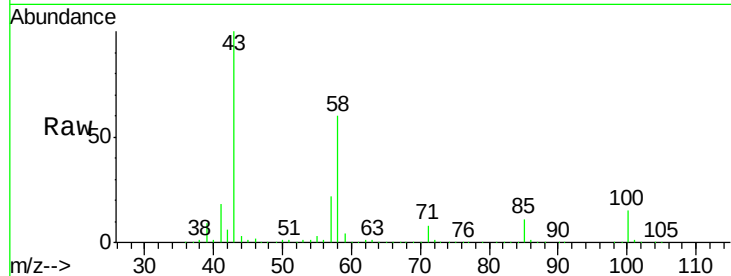




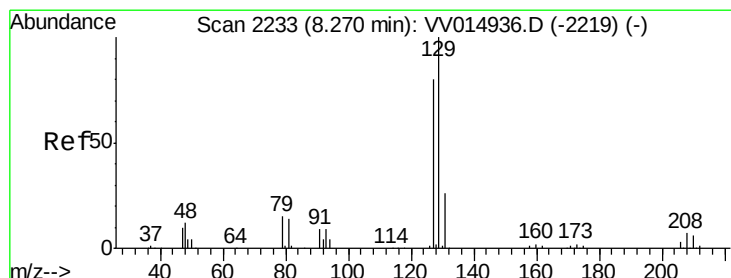
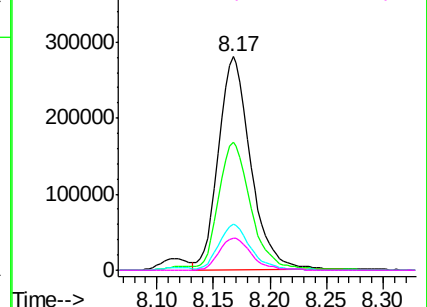
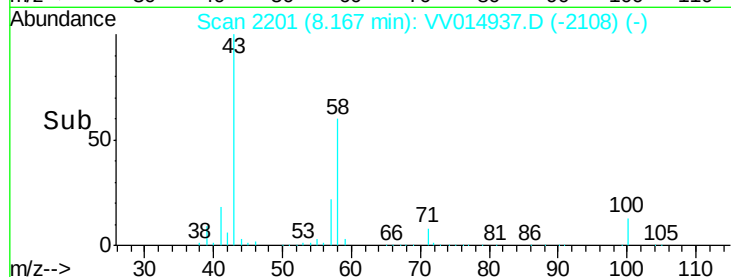
#48
2-Hexanone
Concen: 175.66 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. -0.00 min
Lab File: VV014937.D
Acq: 16 Mar 2020 10:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD10066

Tgt Ion: 43 Resp: 554376
Ion Ratio Lower Upper
43 100
58 59.9 46.9 70.3
57 20.7 16.2 24.4
100 15.4 11.9 17.9

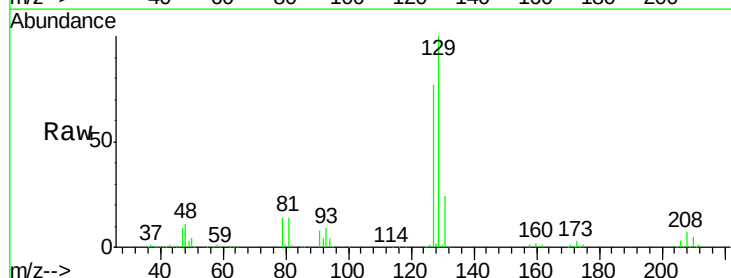


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

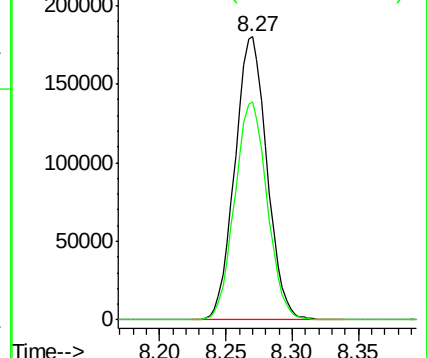
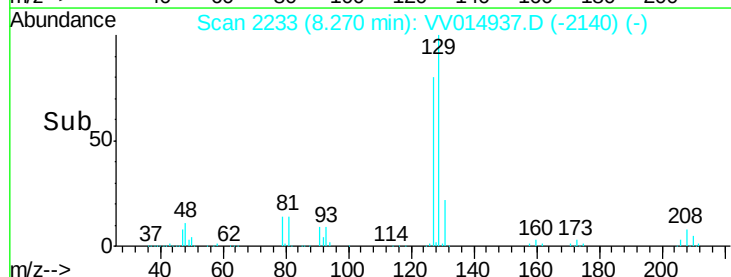


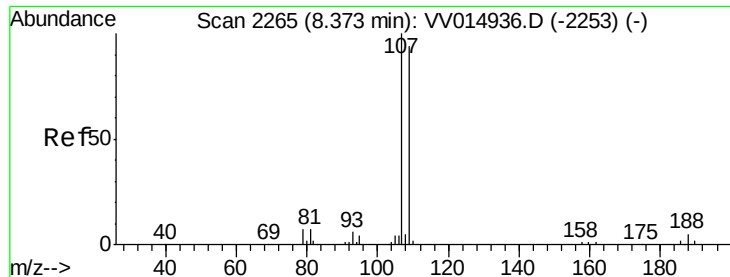
#49
Dibromochloromethane
Concen: 104.98 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. -0.00 min
Lab File: VV014937.D
Acq: 16 Mar 2020 10:54

Tgt Ion: 129 Resp: 304187
Ion Ratio Lower Upper
129 100
127 77.0 55.9 103.9



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

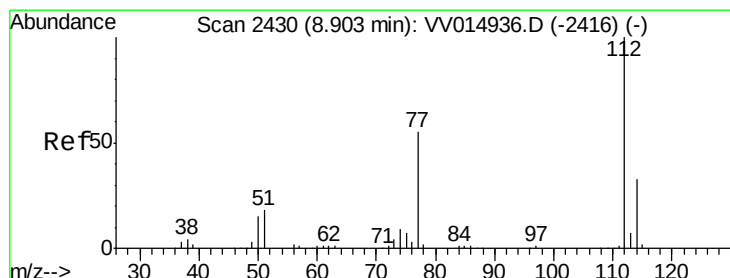
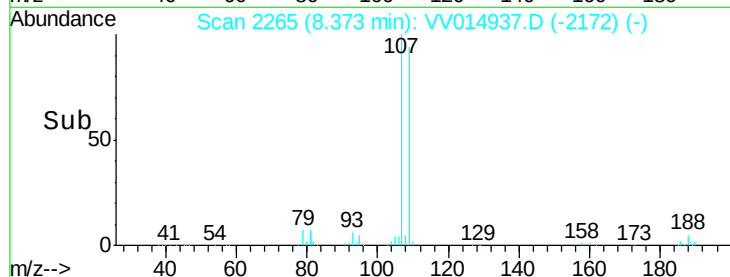
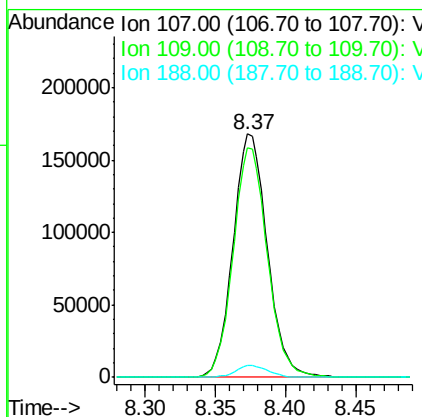
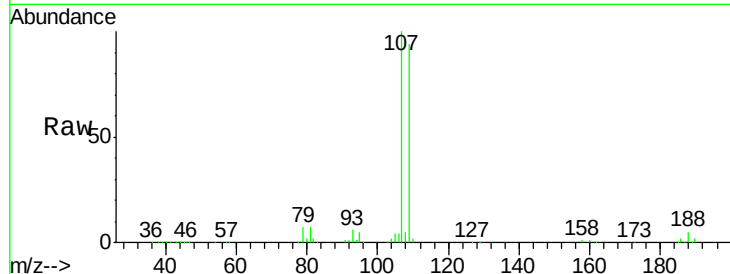




#50
1,2-Dibromoethane
Concen: 99.76 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV014937.D
Acq: 16 Mar 2020 10:54

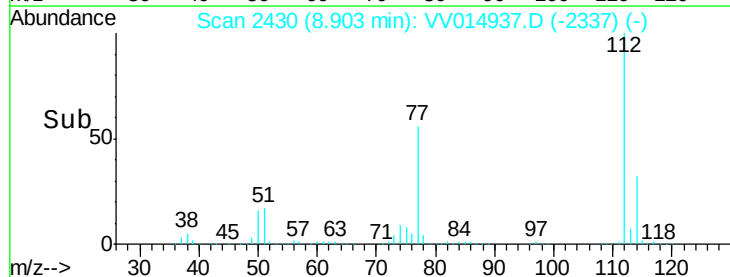
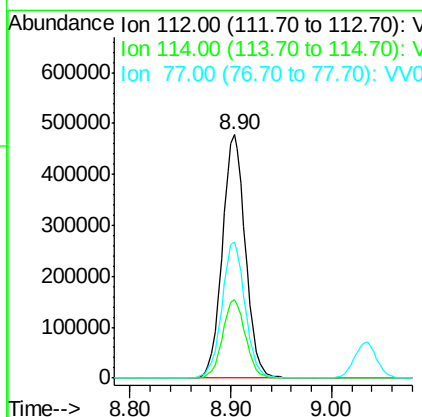
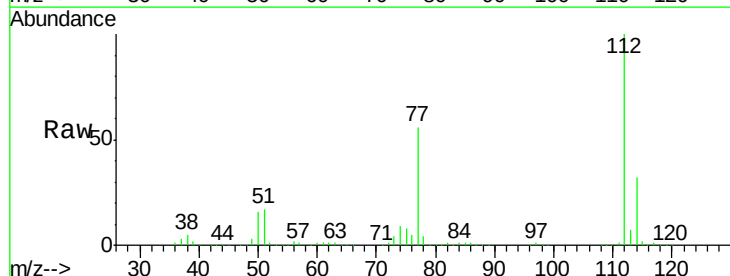
Instrument :
MSVOA_V
ClientSampleId :
VSTD10066

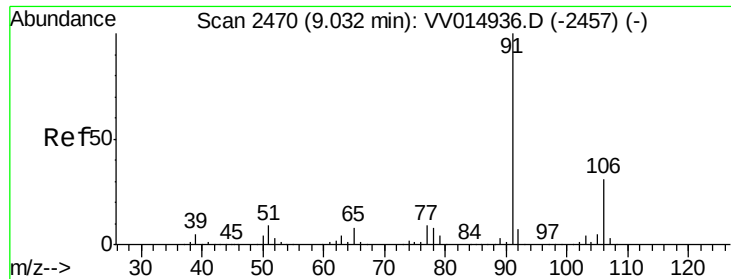
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.3	66.1	122.7
188	4.8	4.0	6.0



#51
Chlorobenzene
Concen: 100.52 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV014937.D
Acq: 16 Mar 2020 10:54

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.8	42.4
77	55.7	44.5	66.7





#52

Ethylbenzene

Concen: 98.56 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

Instrument :

MSVOA_V

ClientSampleId :

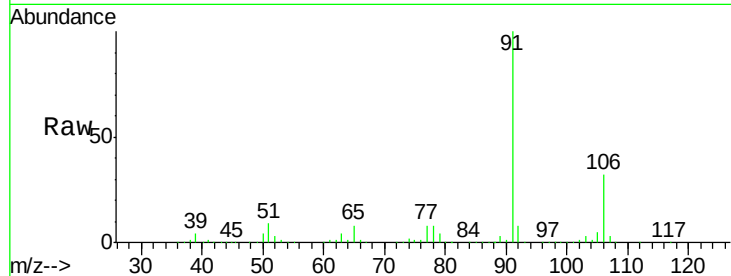
VSTD10066

Tgt Ion: 91 Resp: 1298248

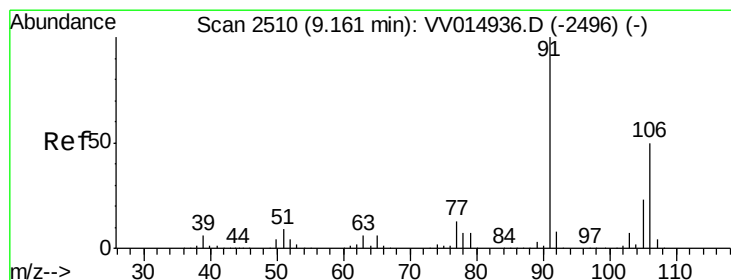
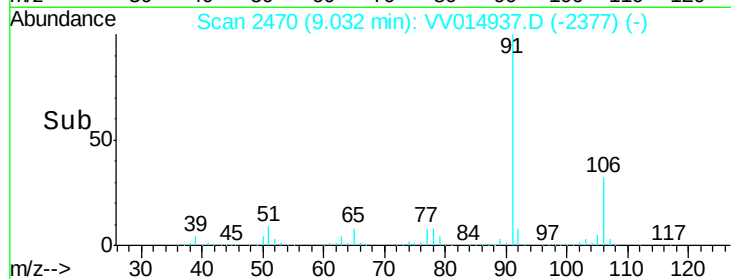
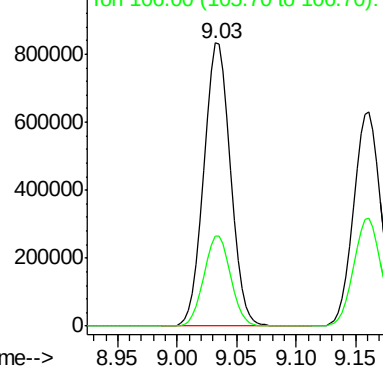
Ion Ratio Lower Upper

91 100

106 31.8 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV014937.D (-2377) (-)



#53

m,p-Xylene

Concen: 102.26 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV014937.D

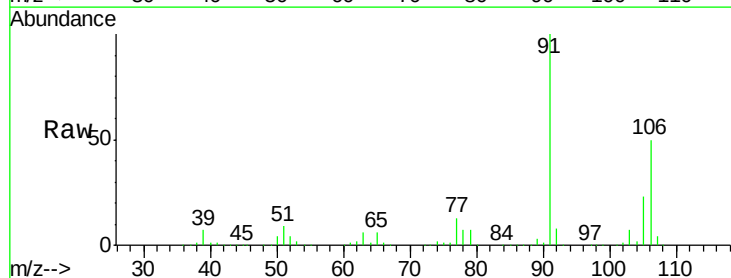
Acq: 16 Mar 2020 10:54

Tgt Ion: 106 Resp: 508843

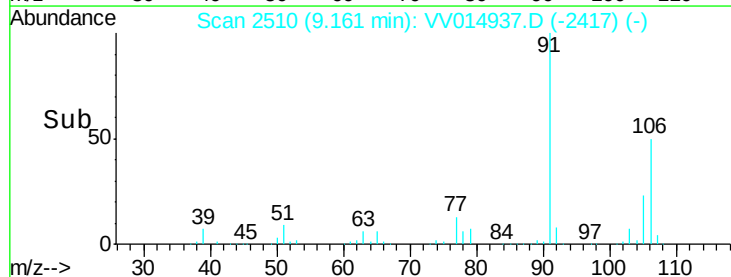
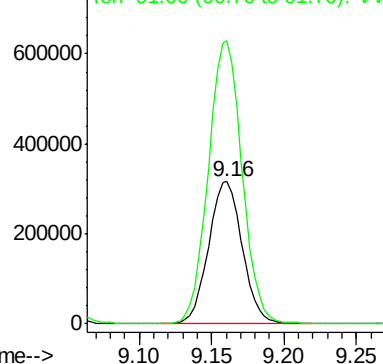
Ion Ratio Lower Upper

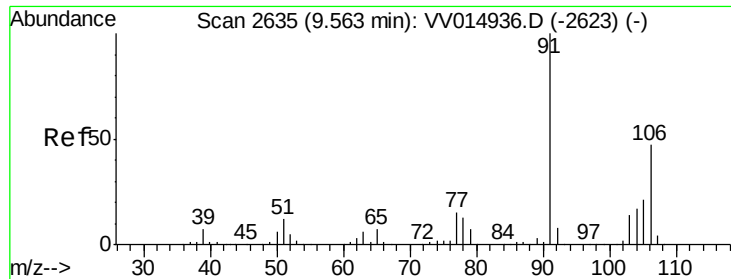
106 100

91 199.0 140.3 260.6



Abundance Ion 106.00 (105.70 to 106.70): VV014937.D (-2417) (-)





#54

o-xylene

Concen: 102.95 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

Instrument :

MSVOA_V

ClientSampleId :

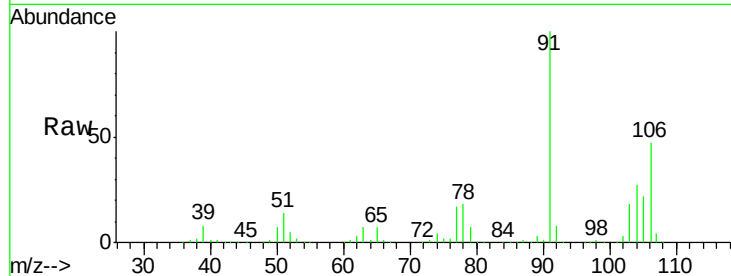
VSTD10066

Tgt Ion:106 Resp: 503120

Ion Ratio Lower Upper

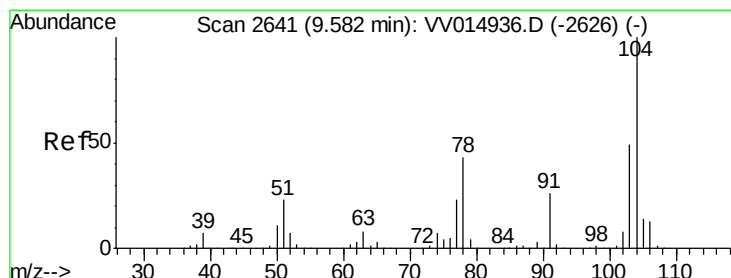
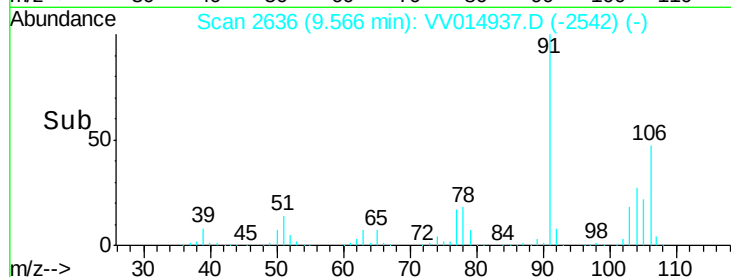
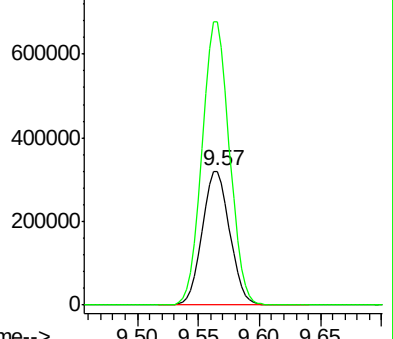
106 100

91 211.8 147.9 274.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 103.41 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV014937.D

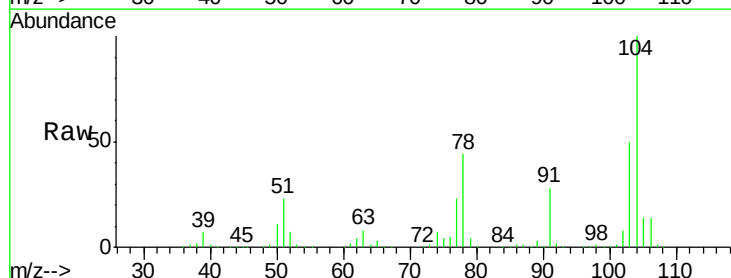
Acq: 16 Mar 2020 10:54

Tgt Ion:104 Resp: 863614

Ion Ratio Lower Upper

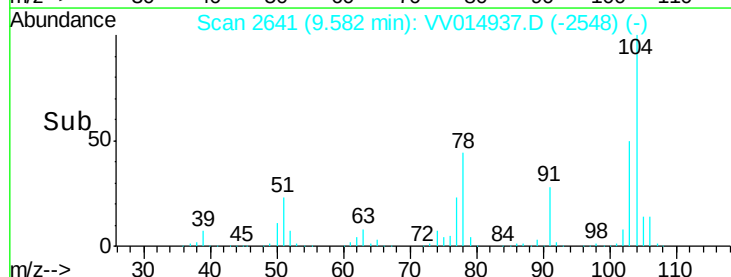
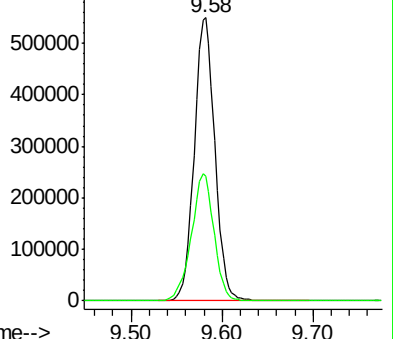
104 100

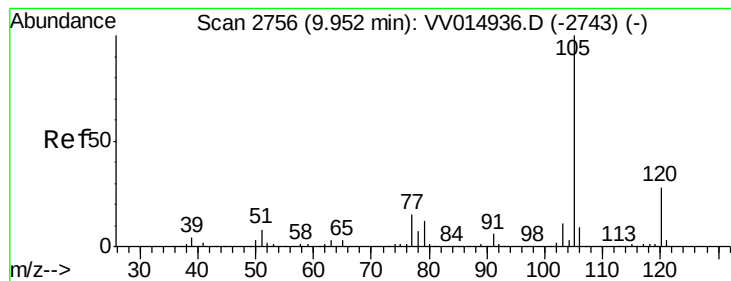
78 43.8 30.1 55.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 101.88 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

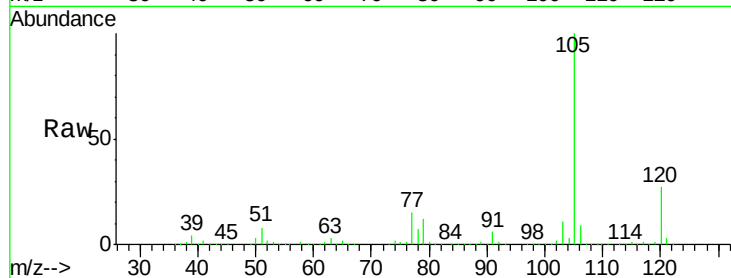
Tgt Ion:105 Resp: 1335462

Ion Ratio Lower Upper

105 100

120 26.9 21.6 32.4

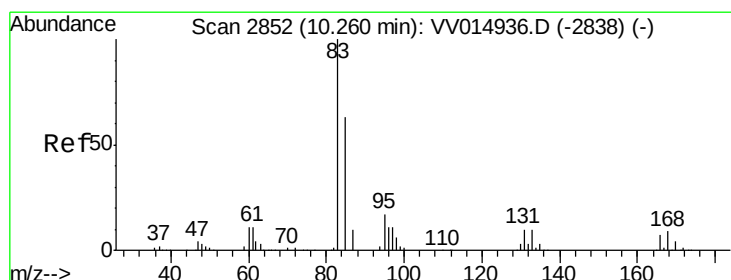
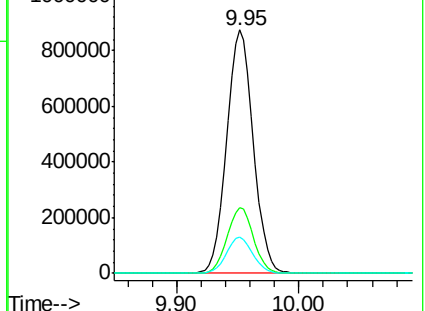
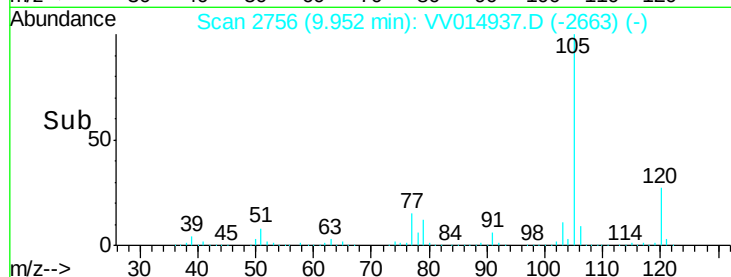
77 14.8 11.9 17.9



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: 94.73 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

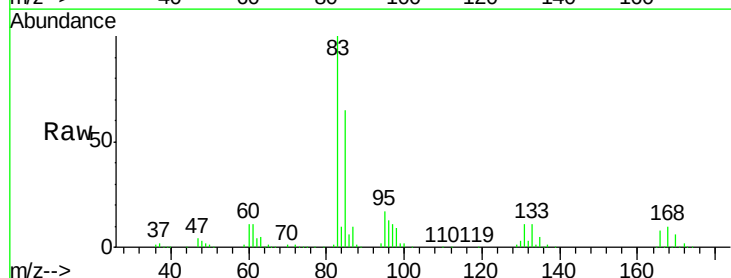
Tgt Ion: 83 Resp: 428523

Ion Ratio Lower Upper

83 100

85 65.1 44.0 81.6

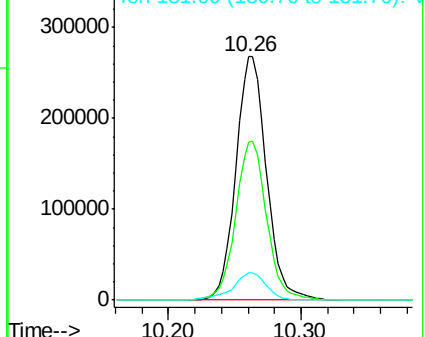
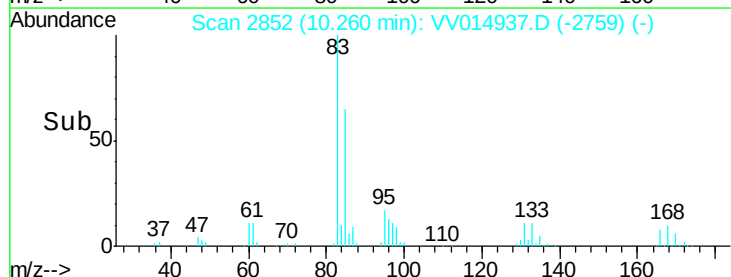
131 11.3 8.5 12.7

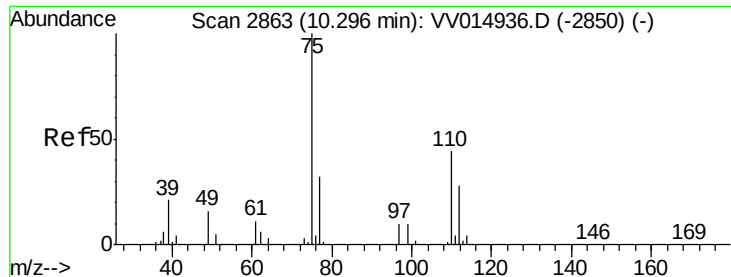


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 93.60 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

Instrument :

MSVOA_V

ClientSampleId :

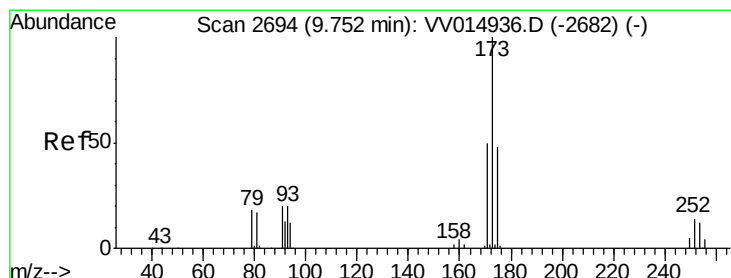
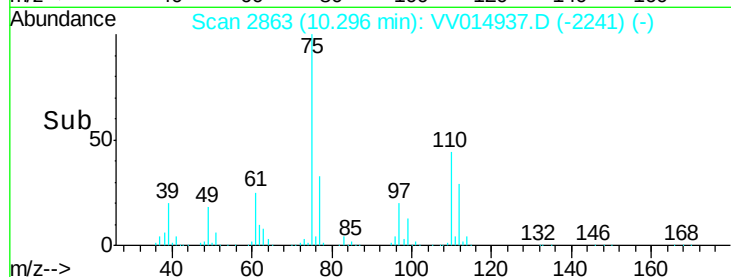
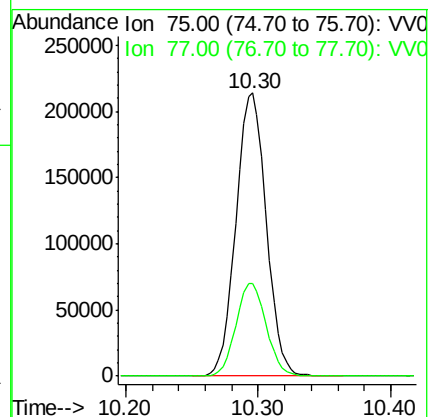
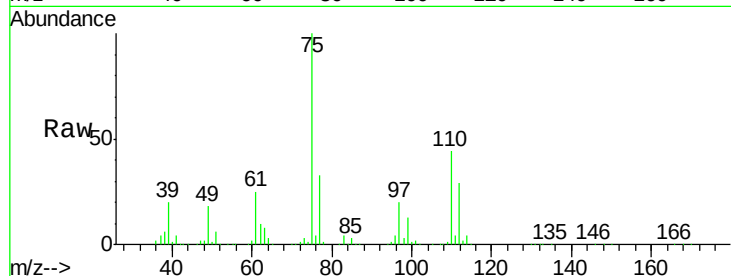
VSTD10066

Tgt Ion: 75 Resp: 339518

Ion Ratio Lower Upper

75 100

77 32.7 26.6 40.0



#61

Bromoform

Concen: 104.59 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

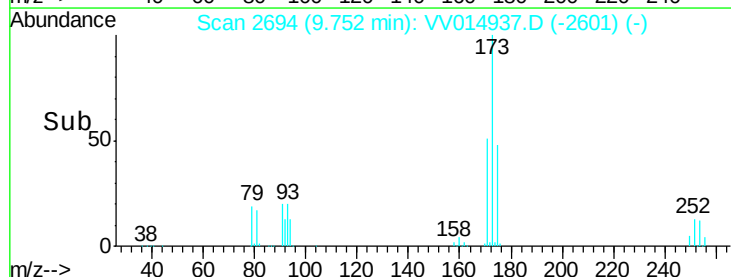
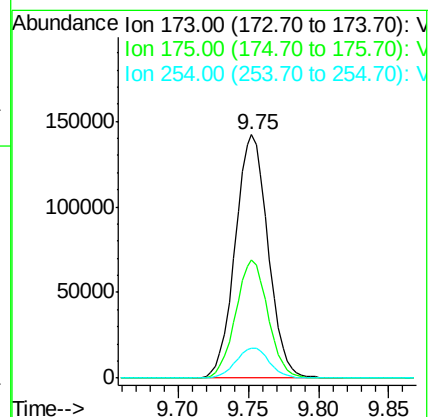
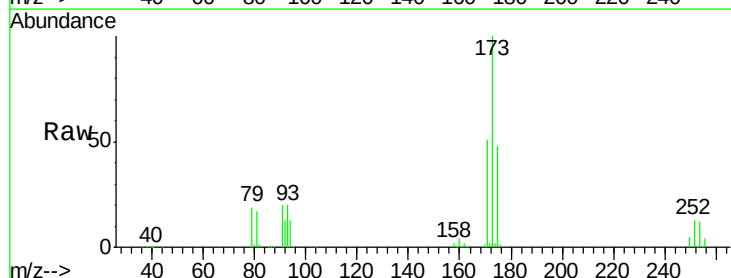
Tgt Ion: 173 Resp: 231843

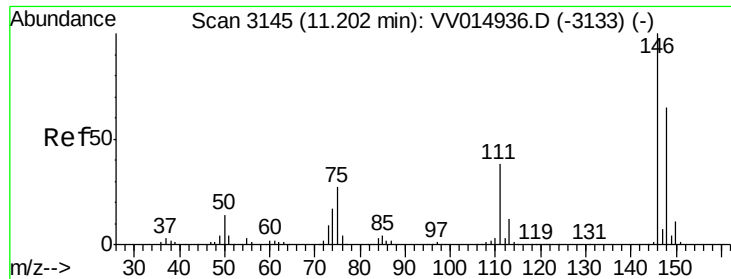
Ion Ratio Lower Upper

173 100

175 47.8 39.4 59.2

254 12.5 10.2 15.4

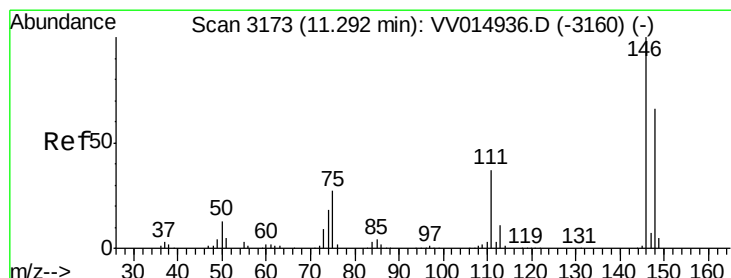
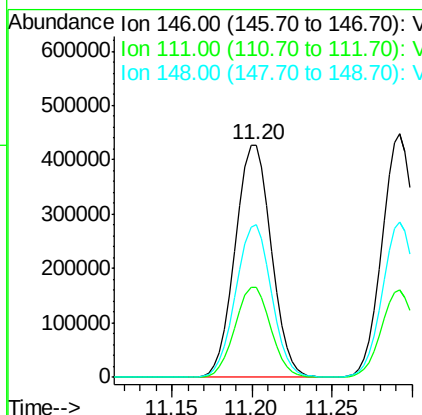
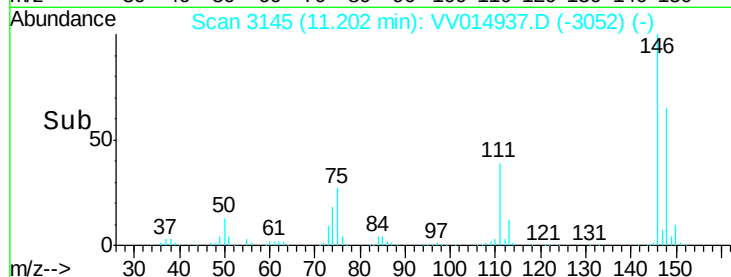
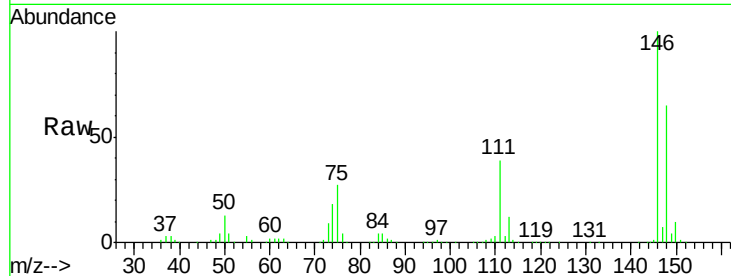




#62
 1,3-Dichlorobenzene
 Concen: 99.90 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV014937.D
 Acq: 16 Mar 2020 10:54

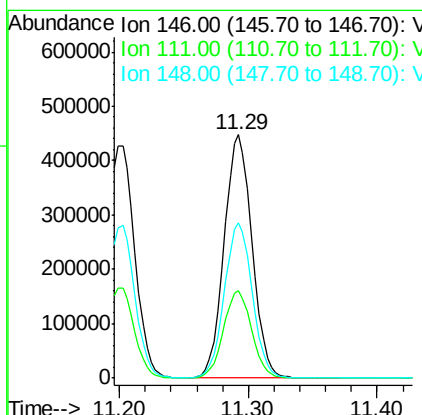
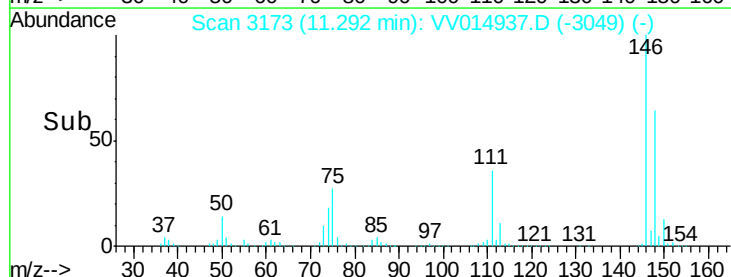
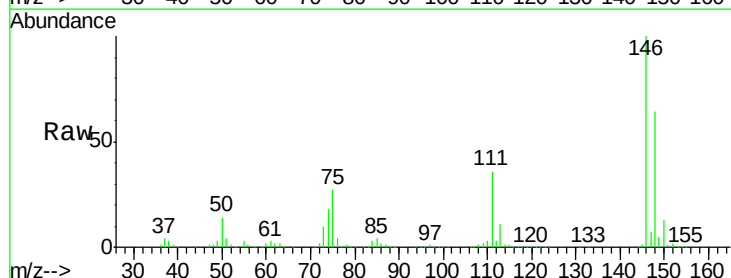
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD10066

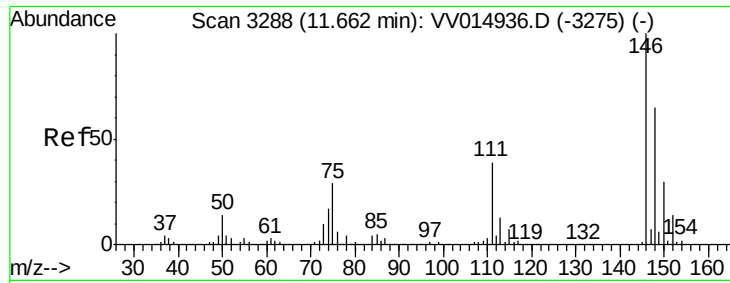
Tgt Ion:146 Resp: 659803
 Ion Ratio Lower Upper
 146 100
 111 38.5 26.5 49.3
 148 65.5 45.4 84.2



#63
 1,4-Dichlorobenzene
 Concen: 101.45 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV014937.D
 Acq: 16 Mar 2020 10:54

Tgt Ion:146 Resp: 671647
 Ion Ratio Lower Upper
 146 100
 111 35.7 26.0 48.2
 148 63.9 46.1 85.5

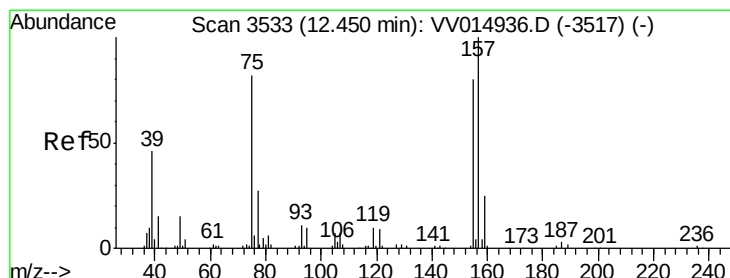
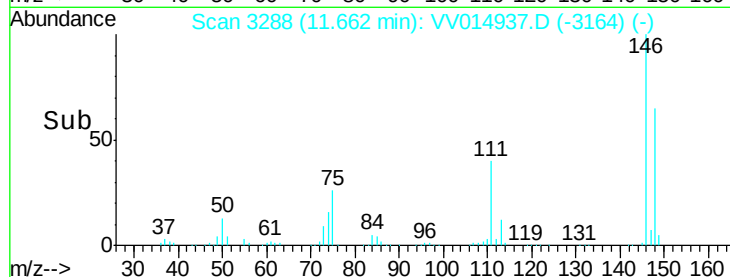
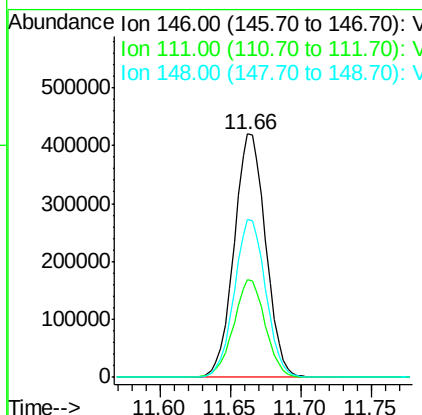
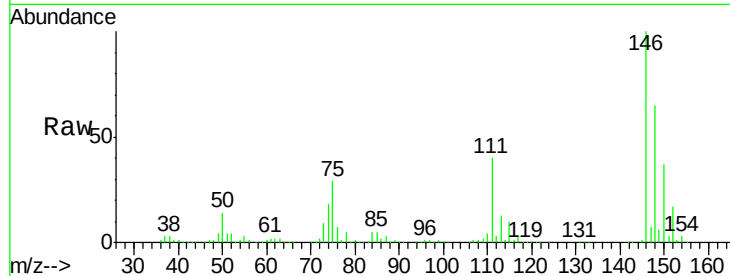




#65
 1,2-Dichlorobenzene
 Concen: 99.94 ug/L
 RT: 11.66 min Scan# 3288
 Delta R.T. -0.00 min
 Lab File: VV014937.D
 Acq: 16 Mar 2020 10:54

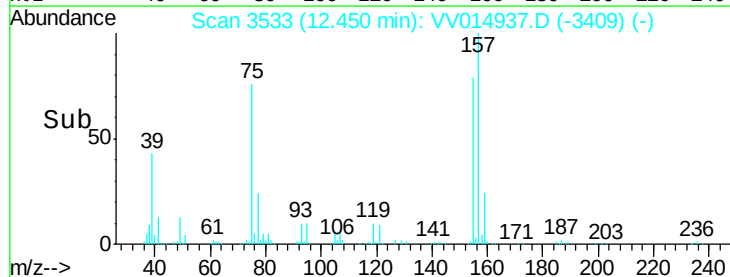
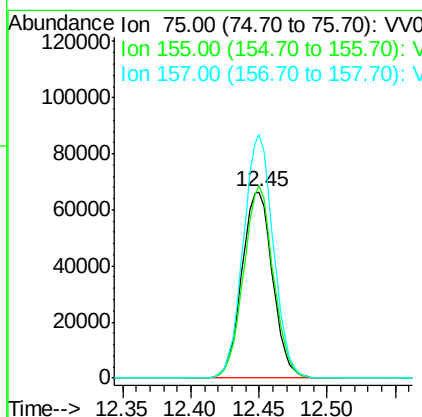
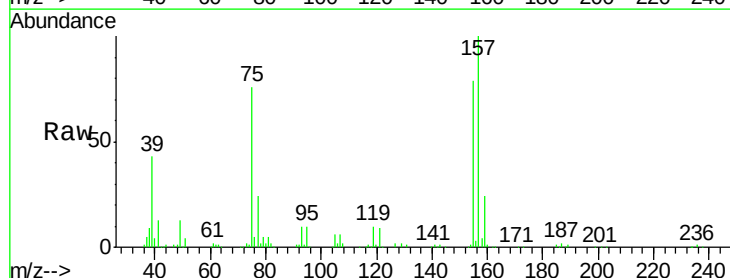
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD10066

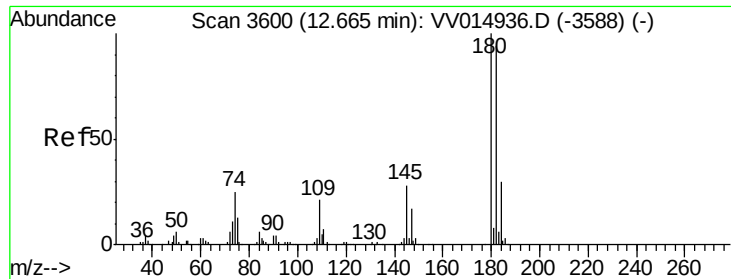
Tgt Ion: 146 Resp: 659907
 Ion Ratio Lower Upper
 146 100
 111 40.1 31.6 47.4
 148 64.8 52.2 78.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 95.37 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV014937.D
 Acq: 16 Mar 2020 10:54

Tgt Ion: 75 Resp: 104180
 Ion Ratio Lower Upper
 75 100
 155 103.5 77.7 116.5
 157 130.8 97.2 145.8

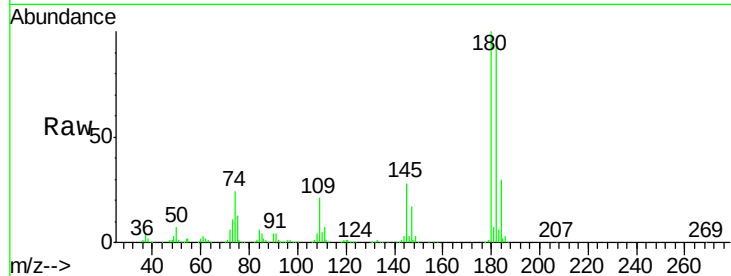




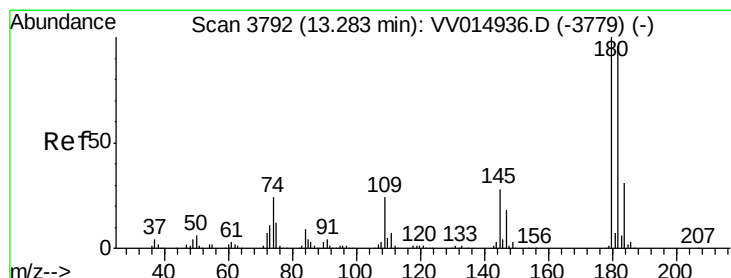
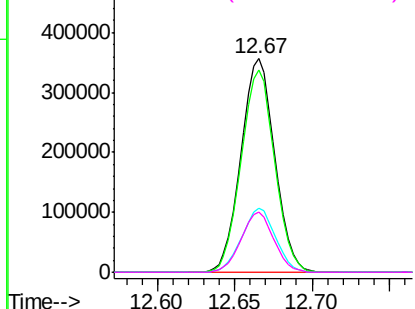
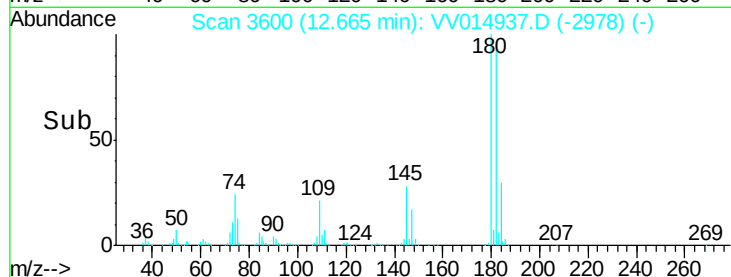
#67
 1,3,5-Trichlorobenzene
 Concen: 105.08 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV014937.D
 Acq: 16 Mar 2020 10:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

Tgt Ion:180 Resp: 541461
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.7 113.5
 184 30.0 24.2 36.4
 145 27.3 22.0 33.0

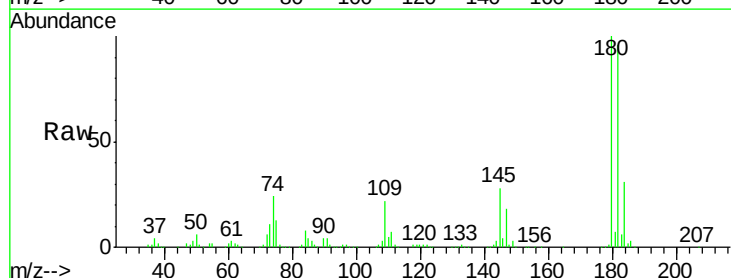


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

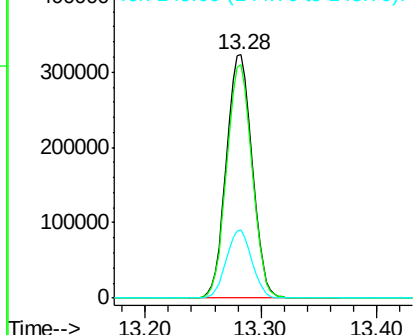
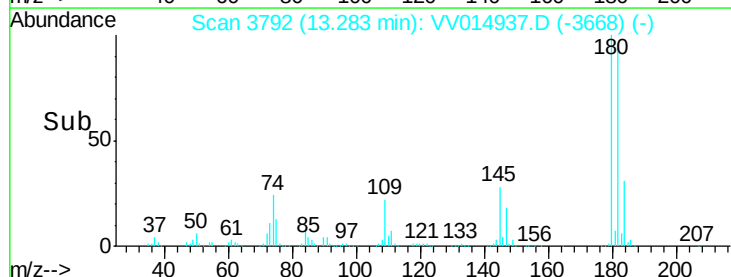


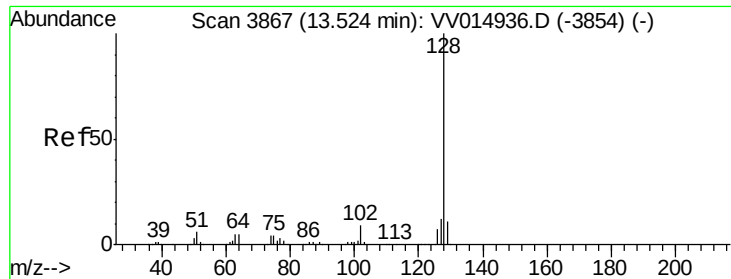
#68
 1,2,4-trichlorobenzene
 Concen: 105.59 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV014937.D
 Acq: 16 Mar 2020 10:54

Tgt Ion:180 Resp: 495038
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.3 114.5
 145 27.5 23.1 34.7



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: 100.07 ug/L

RT: 13.52 min Scan# 3866

Delta R.T. -0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

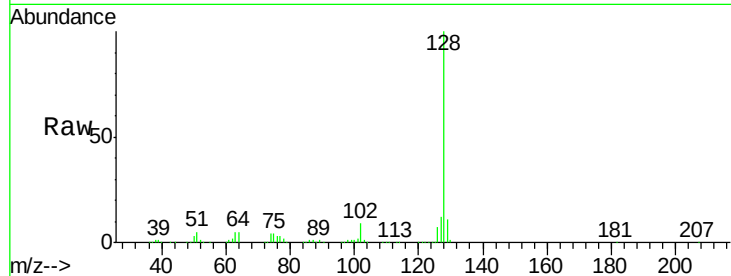
Tgt Ion:128 Resp: 690069

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.4

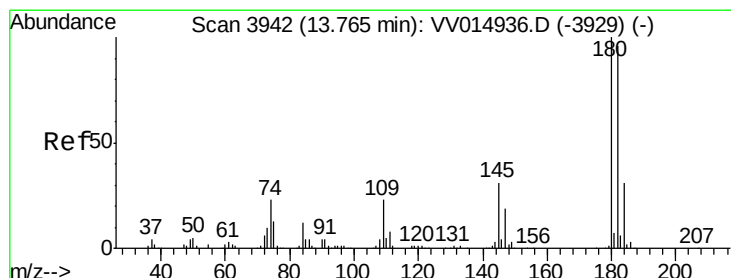
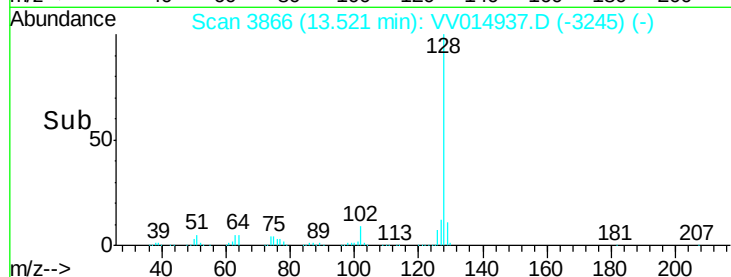
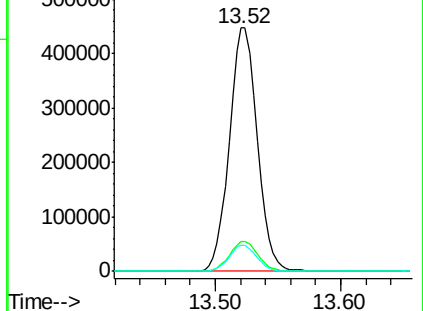
129 10.8 8.6 13.0



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: 105.17 ug/L

RT: 13.76 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV014937.D

Acq: 16 Mar 2020 10:54

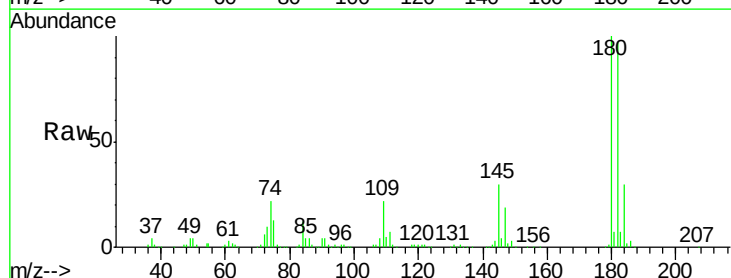
Tgt Ion:180 Resp: 493859

Ion Ratio Lower Upper

180 100

182 96.3 76.2 114.4

145 30.0 24.1 36.1



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

