

Data File : VV014646.D
Acq On : 21 Feb 2020 11:43
Operator : SY/MD
Sample : VSTD00561
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

Quant Time: Feb 21 22:31:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM022120WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 21 22:29:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	241223	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	226206	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	111258	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	4612	4.98	ug/L	0.00
7) Chloroethane-d5	1.59	69	3434	5.23	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	8619	5.40	ug/L	0.00
21) 2-Butanone-d5	3.98	46	5821	7.33	ug/L	0.03
24) Chloroform-d	4.40	84	14532	5.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	9410	5.39	ug/L	0.00
32) Benzene-d6	5.10	84	28225	5.07	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	8355	5.02	ug/L	0.00
41) Toluene-d8	7.36	98	27800	5.19	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	4613	5.03	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	6071	9.02	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	11221	4.91	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	11151	5.52	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	8941	5.195	ug/L	98
3) Chloromethane	1.25	50	4855	3.445	ug/L	99
5) Vinyl chloride	1.33	62	4627	4.429	ug/L	99
6) Bromomethane	1.54	94	2969	5.580	ug/L	96
8) Chloroethane	1.60	64	2905	5.516	ug/L	97
9) Trichlorofluoromethane	1.77	101	10547	5.596	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4214	5.249	ug/L	98
12) 1,1-Dichloroethene	2.14	96	3883	5.240	ug/L	93
13) Acetone	2.21	43	9295	13.343	ug/L	81
14) Carbon disulfide	2.32	76	17816	4.988	ug/L	99
15) Methyl Acetate	2.47	43	6753	5.381	ug/L	89
16) Methylene chloride	2.54	84	8228	5.298	ug/L	94
17) trans-1,2-Dichloroethene	2.79	96	7682	5.261	ug/L	92
18) Methyl tert-butyl Ether	2.80	73	23926	5.061	ug/L	98
19) 1,1-Dichloroethane	3.23	63	13451	5.242	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	8324	4.921	ug/L	99
22) 2-Butanone	4.05	43	5310	5.325	ug/L #	73
23) Bromochloromethane	4.30	128	4296	5.174	ug/L	96
25) Chloroform	4.42	83	15240	5.312	ug/L	99
27) 1,2-Dichloroethane	5.18	62	10537	4.971	ug/L	97
29) Cyclohexane	4.72	56	10916	4.859	ug/L #	91
30) 1,1,1-Trichloroethane	4.65	97	13512	5.416	ug/L	98
31) Carbon tetrachloride	4.87	117	11662	5.182	ug/L	99
33) Benzene	5.14	78	30020	5.063	ug/L	100
34) Trichloroethene	5.96	95	9856	6.108	ug/L	97
35) Methylcyclohexane	6.17	83	12295	4.882	ug/L	93
37) 1,2-Dichloropropane	6.22	63	7466	5.095	ug/L #	96
38) Bromodichloromethane	6.55	83	10981	5.045	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	12223	4.714	ug/L	95
40) 4-Methyl-2-pentanone	7.27	43	18190	10.004	ug/L	95

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	31707	4.902	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	10901	4.635	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	8006	5.240	ug/L	98
46) Tetrachloroethene	8.02	164	6464	5.133	ug/L	98
48) 2-Hexanone	8.19	43	13578	9.474	ug/L	93
49) Dibromochloromethane	8.29	129	8483	4.660	ug/L	91
50) 1,2-Dibromoethane	8.40	107	8680	5.248	ug/L	95
51) Chlorobenzene	8.92	112	23010	5.315	ug/L	99
52) Ethylbenzene	9.05	91	36956	5.028	ug/L	99
53) m,p-Xylene	9.18	106	14278	4.963	ug/L	95
54) o-xylene	9.58	106	14195	5.164	ug/L	96
55) Styrene	9.60	104	22361	4.751	ug/L	98
56) Isopropylbenzene	9.97	105	36301	4.958	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	11687	4.861	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	10140	5.314	ug/L	93
61) Bromoform	9.77	173	5687	4.675	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	18023	5.332	ug/L	97
63) 1,4-Dichlorobenzene	11.31	146	18567	5.419	ug/L	96
65) 1,2-Dichlorobenzene	11.68	146	17477	5.247	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.47	75	2629	4.780	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	12912	5.277	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	11892	5.257	ug/L	96
69) Naphthalene	13.55	128	42141	5.817	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	12736	5.785	ug/L	98

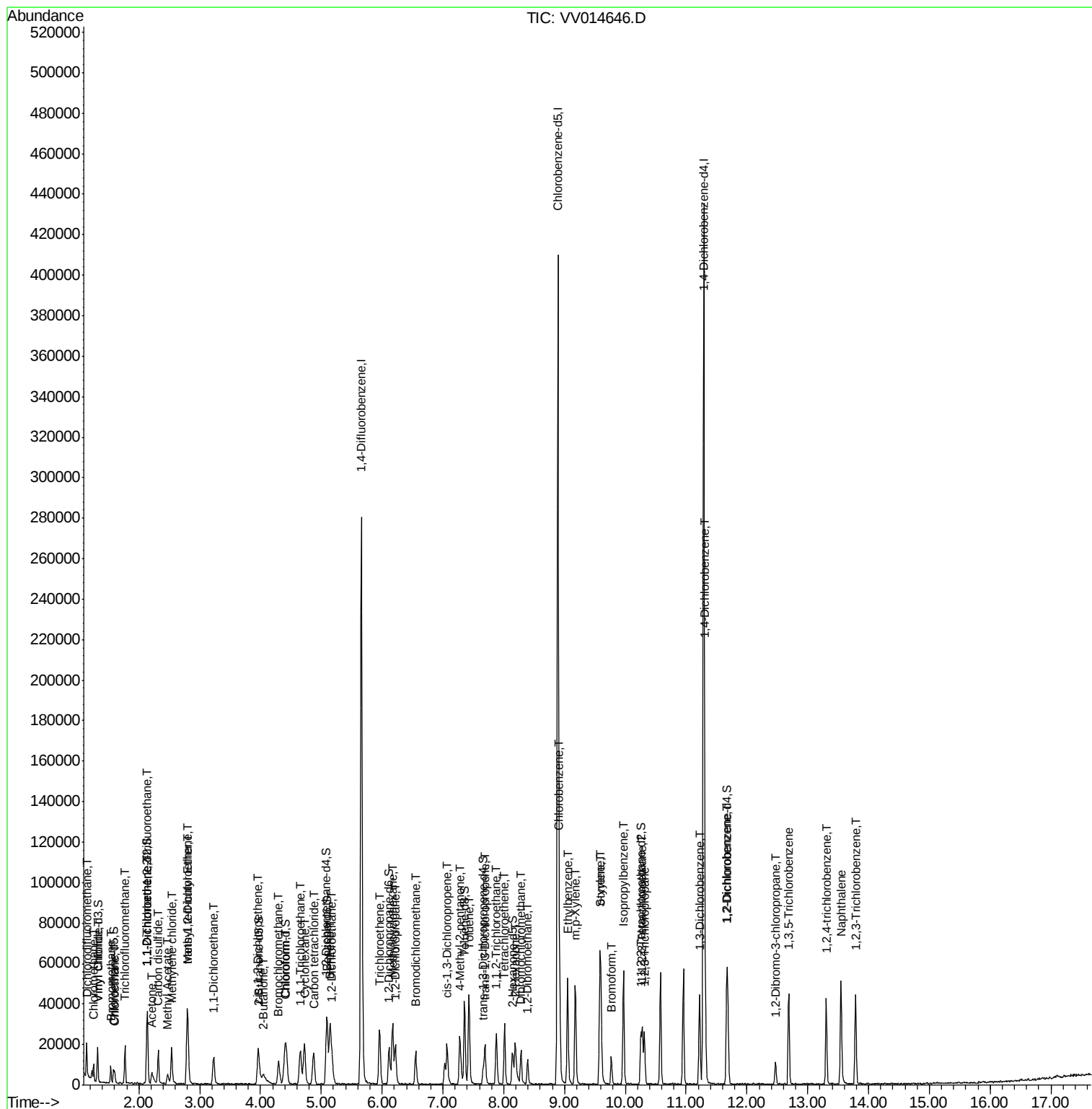
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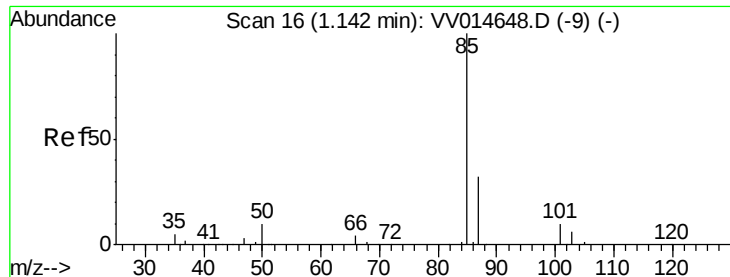
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#2

Dichlorodifluoromethane

Concen: 5.195 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

Instrument :

MSVOA_V

ClientSampleId :

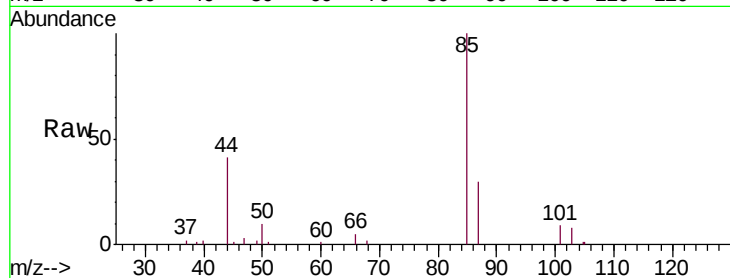
VSTD00561

Tgt Ion: 85 Resp: 8941

Ion Ratio Lower Upper

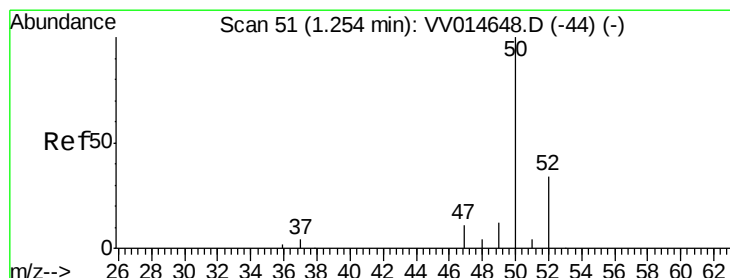
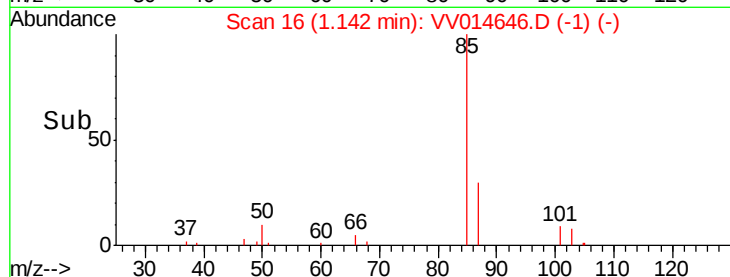
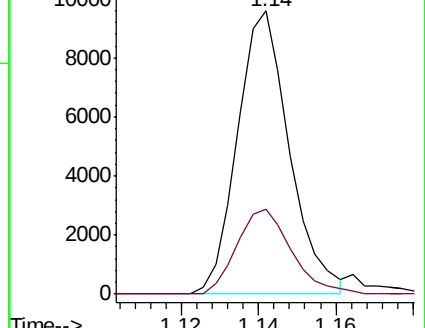
85 100

87 31.4 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV014646.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV014646.D (-9) (-)



#3

Chloromethane

Concen: 3.445 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014646.D

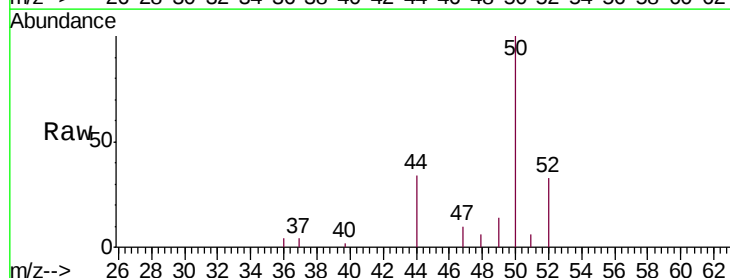
Acq: 21 Feb 2020 11:43

Tgt Ion: 50 Resp: 4855

Ion Ratio Lower Upper

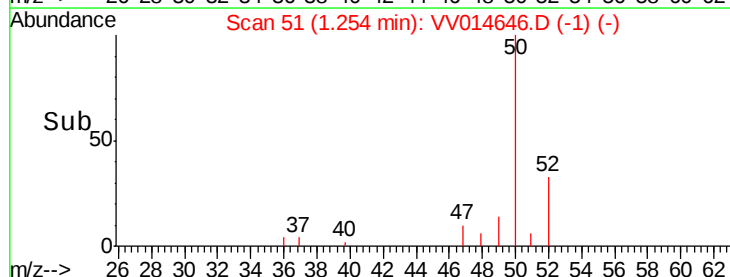
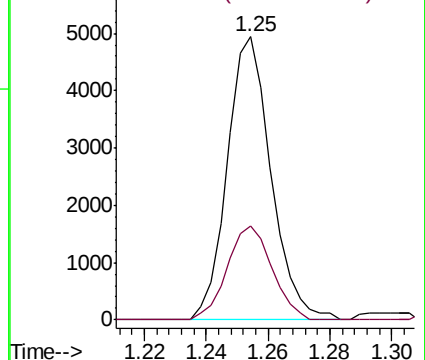
50 100

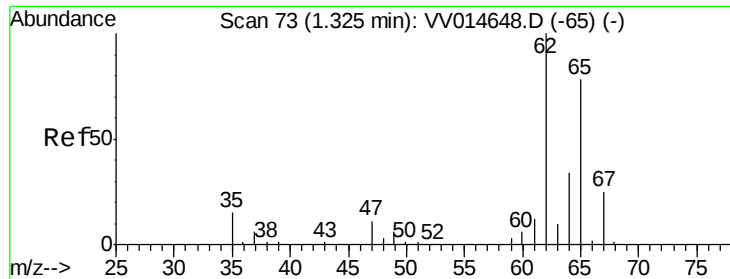
52 33.2 23.7 43.9



Abundance Ion 50.00 (49.70 to 50.70): VV014646.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV014646.D (-44) (-)

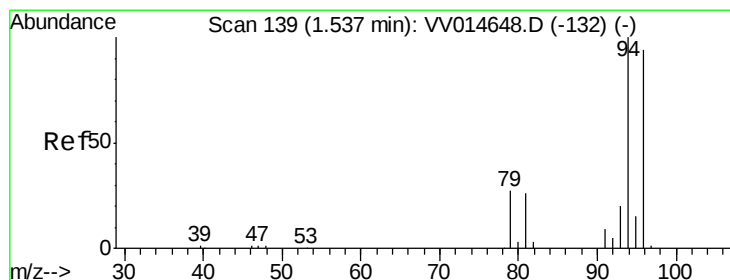
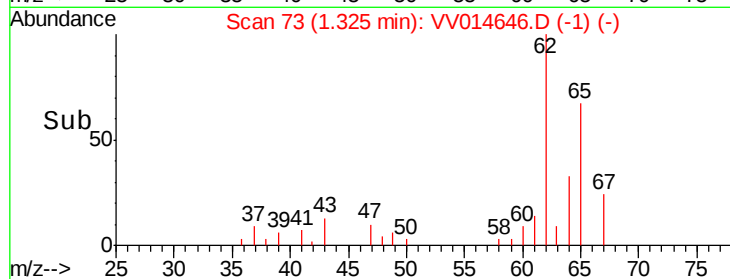
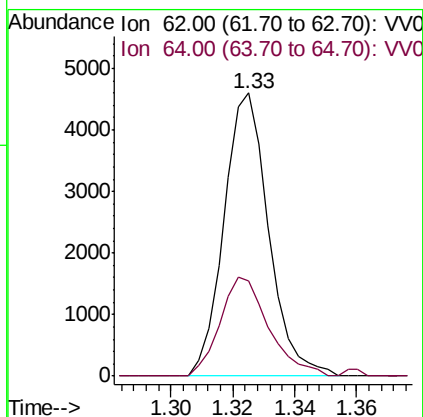
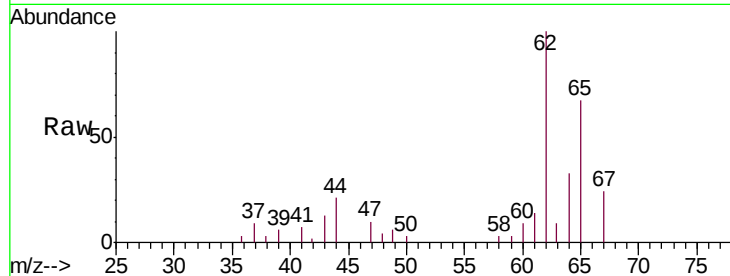




#5
 Vinyl chloride
 Concen: 4.429 ug/L
 RT: 1.33 min Scan# 73
 Delta R.T. 0.00 min
 Lab File: VV014646.D
 Acq: 21 Feb 2020 11:43

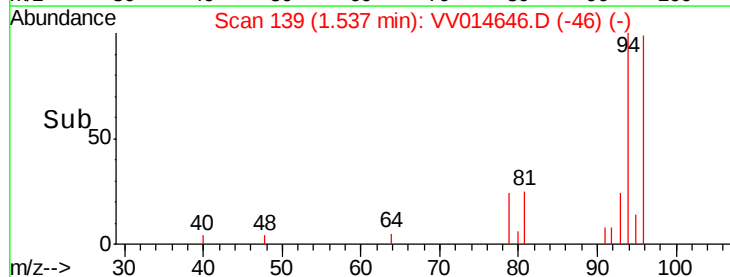
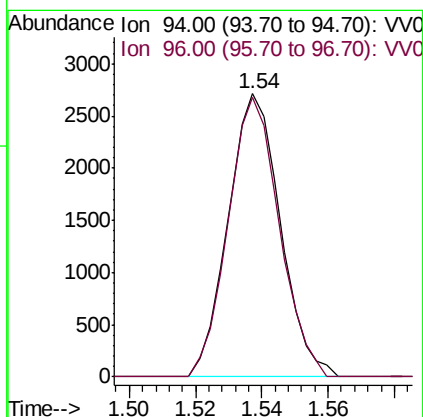
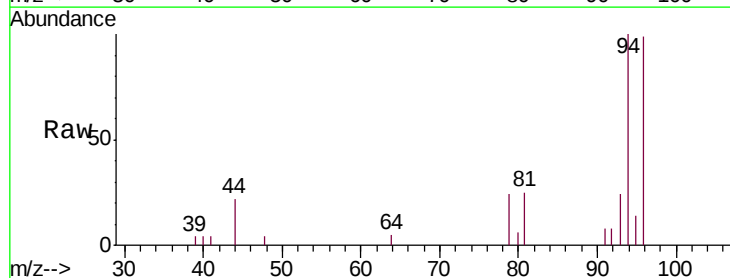
Instrument :
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 VSTD00561

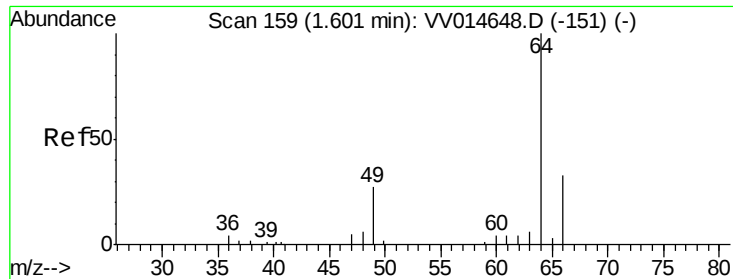
Tgt Ion: 62 Resp: 4627
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.8 44.2



#6
 Bromomethane
 Concen: 5.580 ug/L
 RT: 1.54 min Scan# 139
 Delta R.T. 0.00 min
 Lab File: VV014646.D
 Acq: 21 Feb 2020 11:43

Tgt Ion: 94 Resp: 2969
 Ion Ratio Lower Upper
 94 100
 96 98.7 66.1 122.7





#8

Chloroethane

Concen: 5.516 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

Instrument :

MSVOA_V

ClientSampleId :

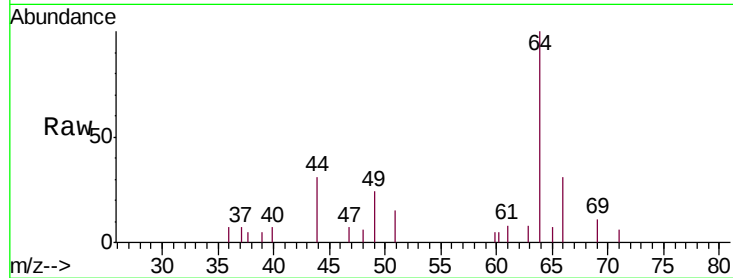
VSTD00561

Tgt Ion: 64 Resp: 2905

Ion Ratio Lower Upper

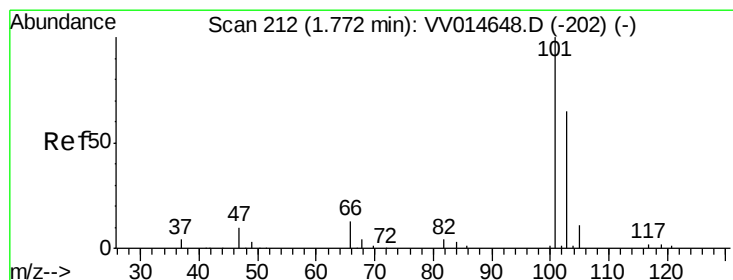
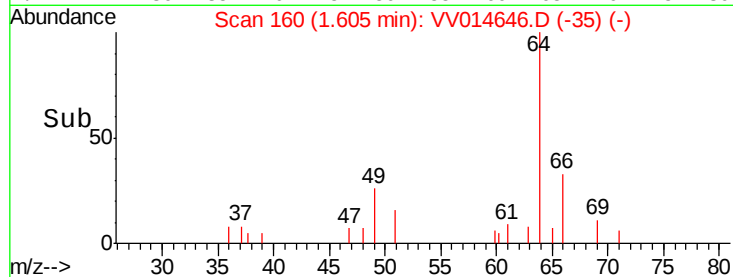
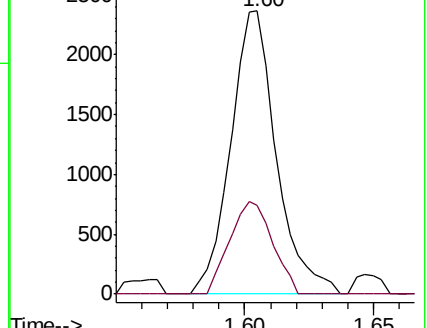
64 100

66 31.5 23.2 43.2



Abundance Ion 64.00 (63.70 to 64.70): VV014646.D (-151) (-)

Ion 66.00 (65.70 to 66.70): VV014646.D (-151) (-)



#9

Trichlorofluoromethane

Concen: 5.596 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014646.D

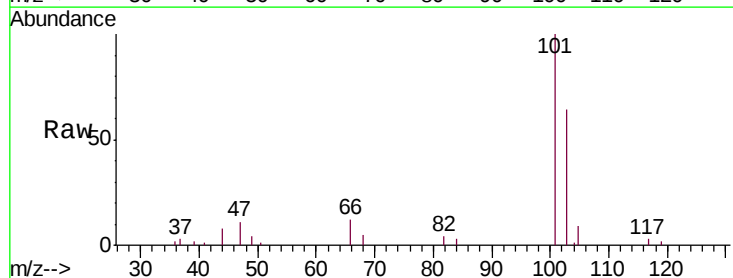
Acq: 21 Feb 2020 11:43

Tgt Ion: 101 Resp: 10547

Ion Ratio Lower Upper

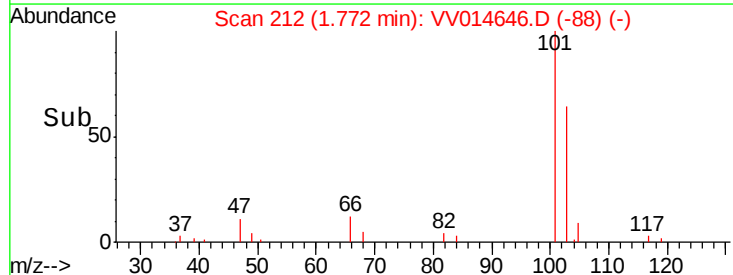
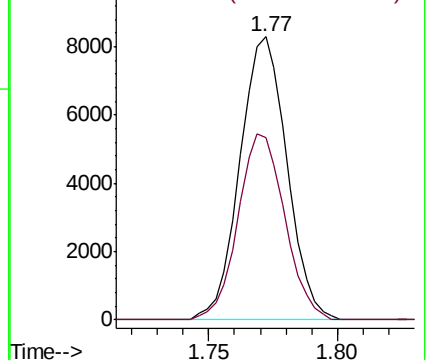
101 100

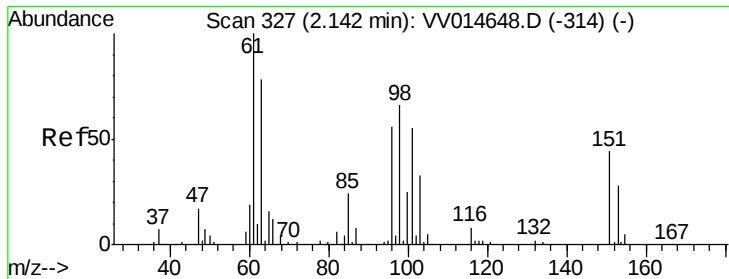
103 65.4 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV014646.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV014646.D (-202) (-)





#10

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

Concen: 5.249 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

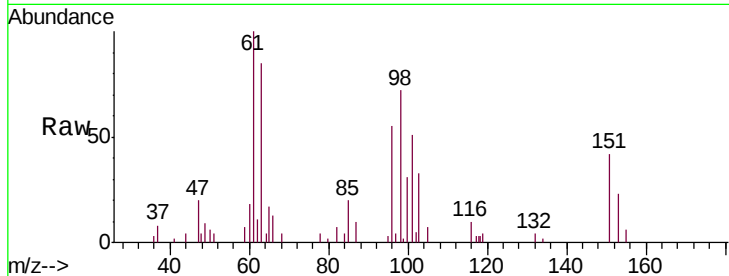
Tgt Ion: 101 Resp: 4214

Ion Ratio Lower Upper

101 100

85 45.3 37.3 55.9

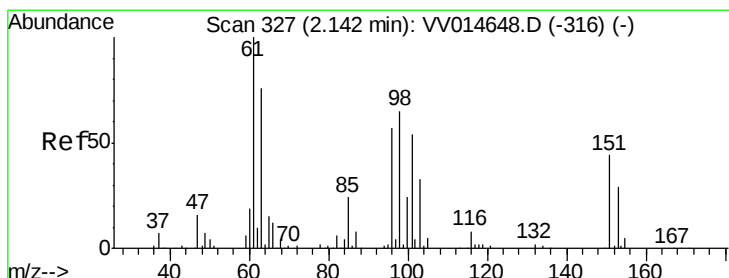
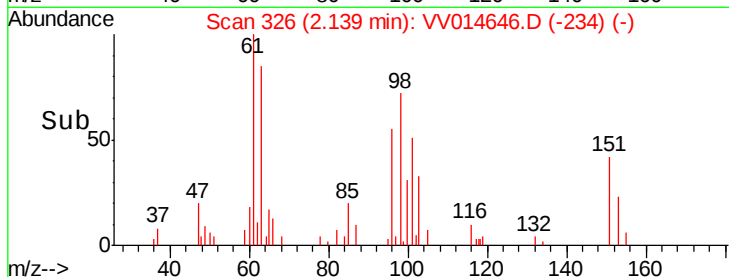
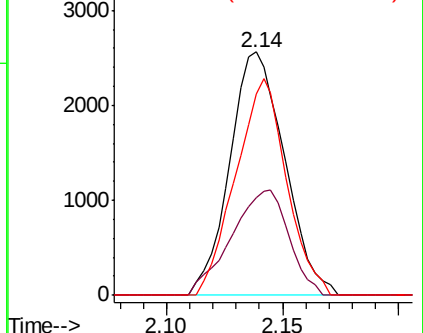
151 82.7 64.6 96.8



Abundance Ion 101.00 (100.70 to 101.70): VV014646.D (-234) (-)

Ion 85.00 (84.70 to 85.70): VV014646.D (-234) (-)

Ion 151.00 (150.70 to 151.70): VV014646.D (-234) (-)



#12

1,1-Dichloroethene

Concen: 5.240 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

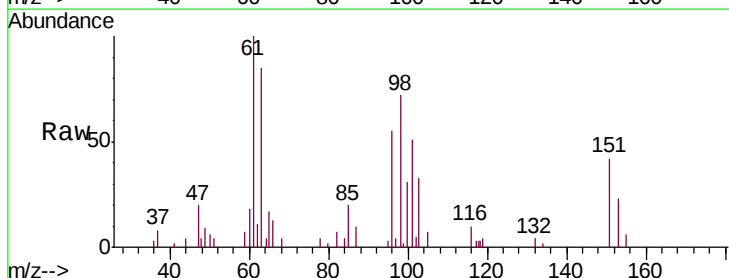
Tgt Ion: 96 Resp: 3883

Ion Ratio Lower Upper

96 100

61 181.1 124.5 231.1

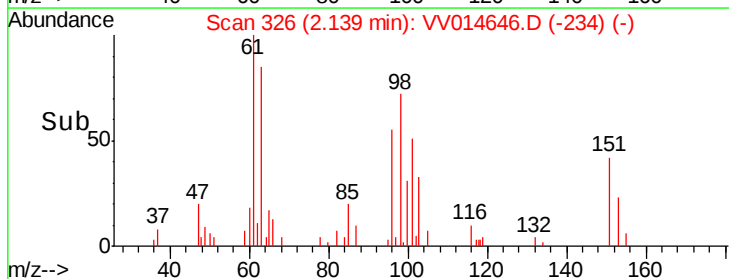
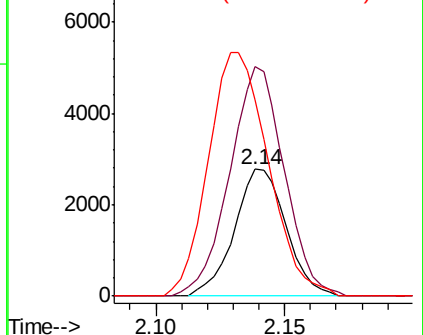
63 154.7 98.1 182.1

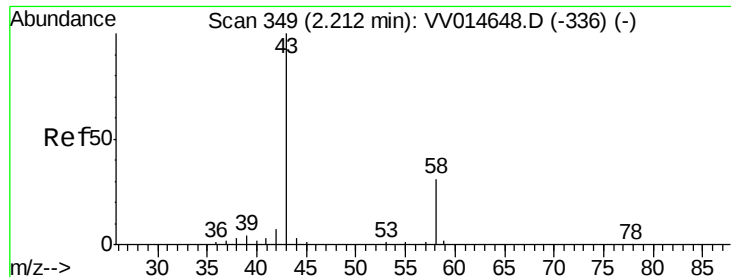


Abundance Ion 96.00 (95.70 to 96.70): VV014646.D (-234) (-)

Ion 61.00 (60.70 to 61.70): VV014646.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV014646.D (-234) (-)





#13

Acetone

Concen: 13.343 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

Instrument :

MSVOA_V

ClientSampleId :

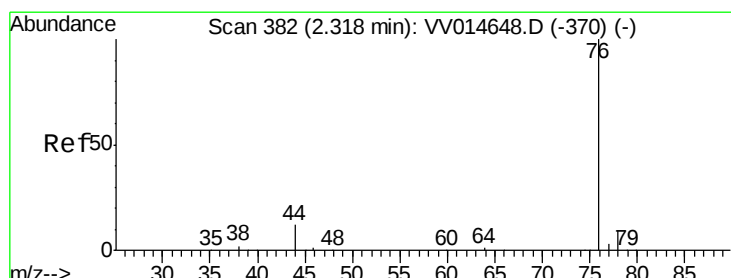
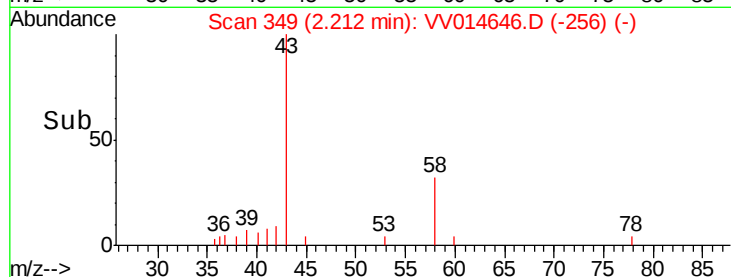
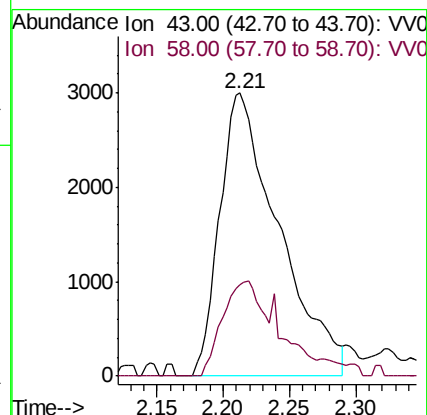
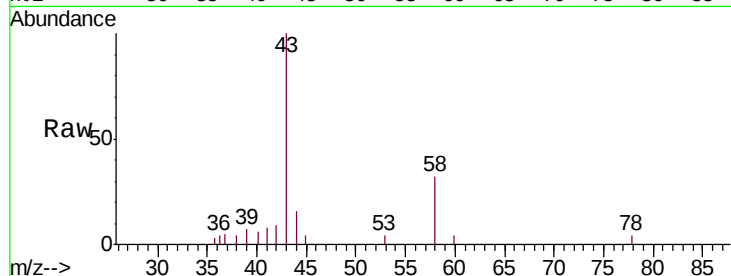
VSTD00561

Tgt Ion: 43 Resp: 9295

Ion Ratio Lower Upper

43 100

58 22.7 0.0 66.8



#14

Carbon disulfide

Concen: 4.988 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014646.D

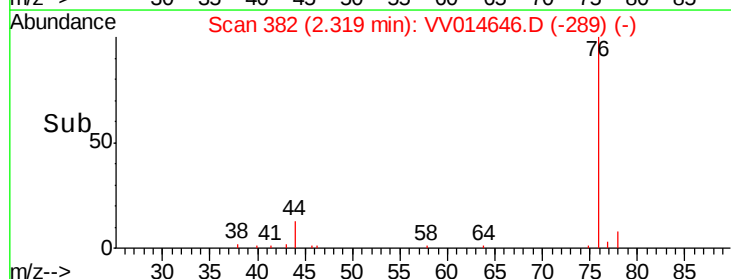
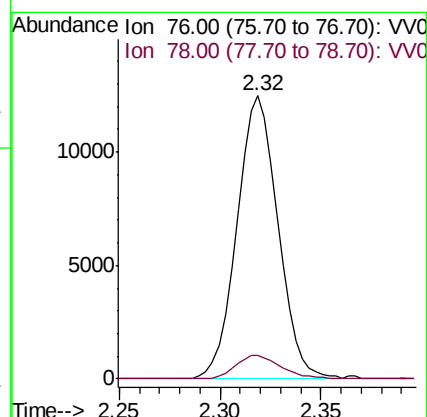
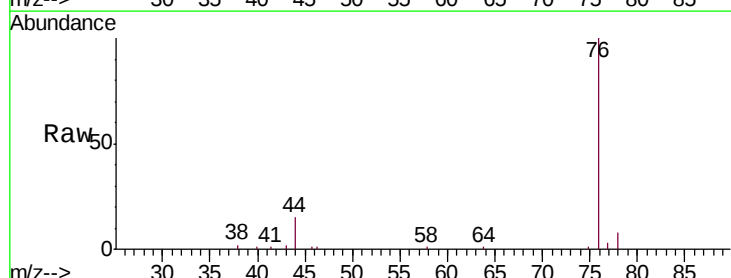
Acq: 21 Feb 2020 11:43

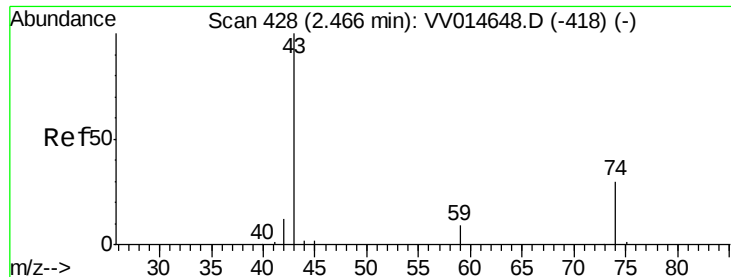
Tgt Ion: 76 Resp: 17816

Ion Ratio Lower Upper

76 100

78 8.4 7.1 10.7





#15

Methyl Acetate

Concen: 5.381 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.01 min

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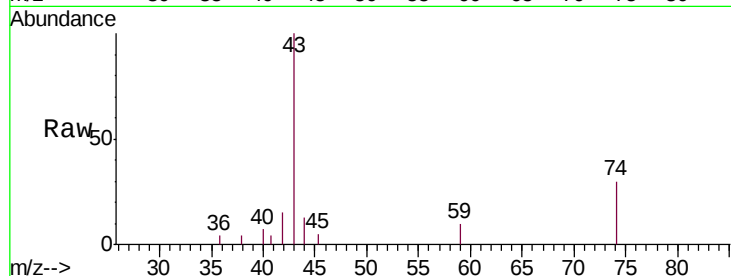
VSTD00561

Tgt Ion: 43 Resp: 6753

Ion Ratio Lower Upper

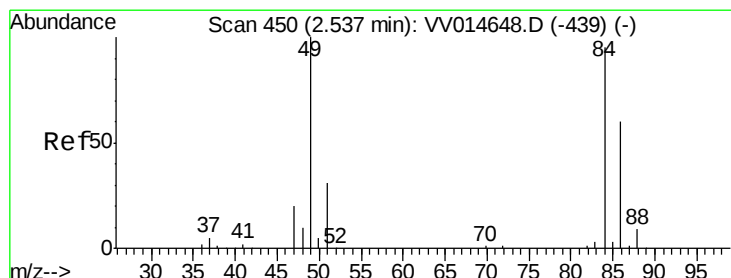
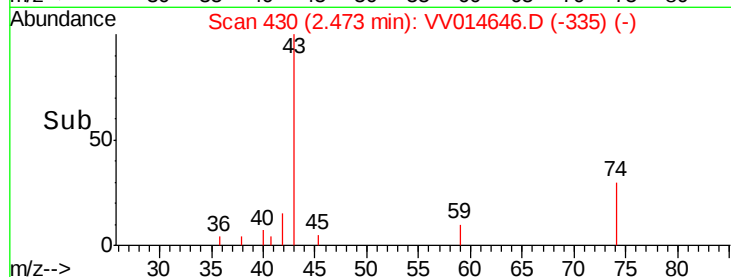
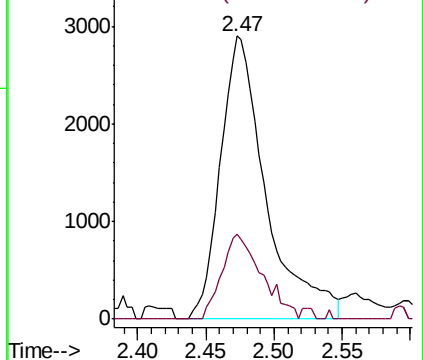
43 100

74 23.5 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 5.298 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

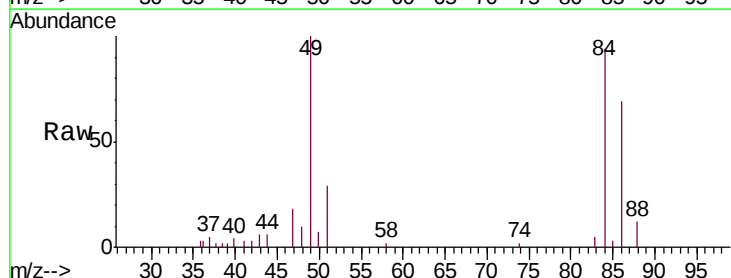
Tgt Ion: 84 Resp: 8228

Ion Ratio Lower Upper

84 100

86 73.5 44.4 82.4

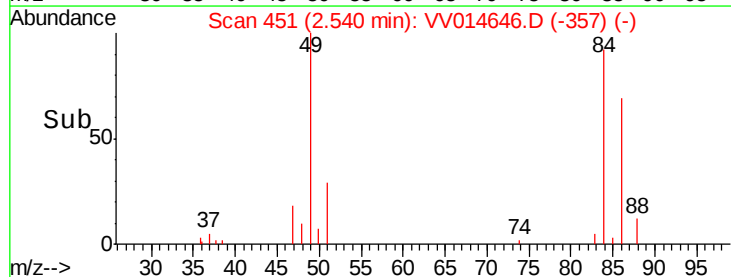
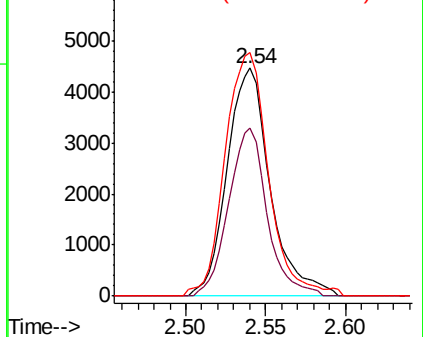
49 106.7 73.6 136.8

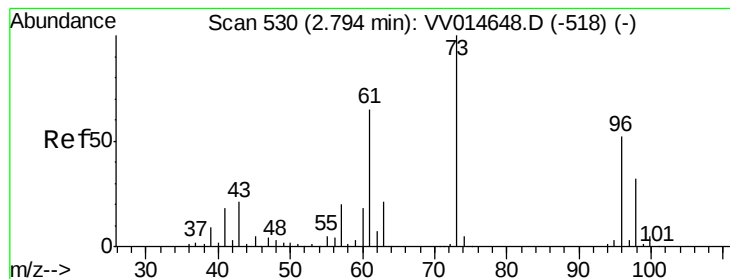


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 5.261 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

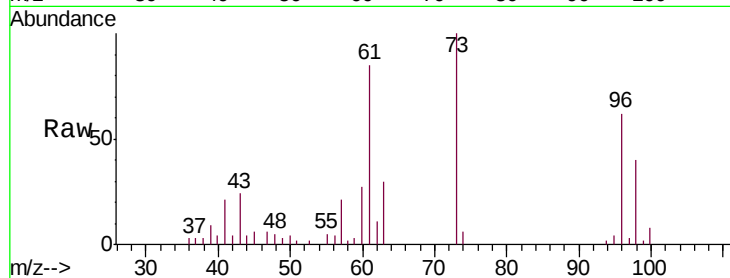
Tgt Ion: 96 Resp: 7682

Ion Ratio Lower Upper

96 100

61 136.8 88.1 163.7

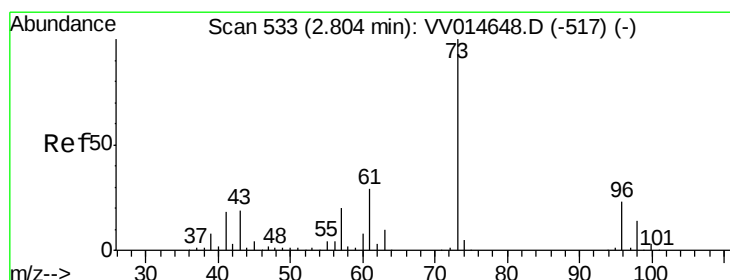
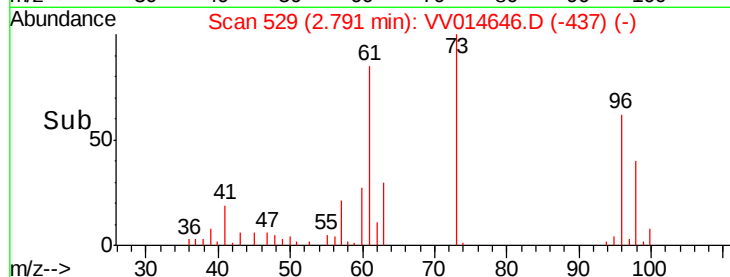
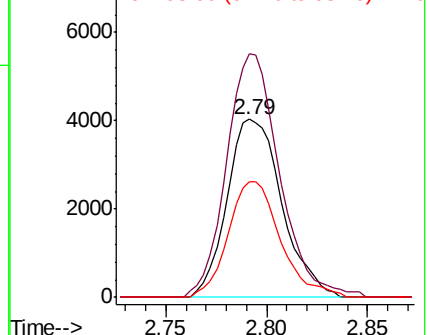
98 65.1 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VV014646.D (-437) (-)

Ion 61.00 (60.70 to 61.70): VV014646.D (-437) (-)

Ion 98.00 (97.70 to 98.70): VV014646.D (-437) (-)



#18

Methyl tert-butyl Ether

Concen: 5.061 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

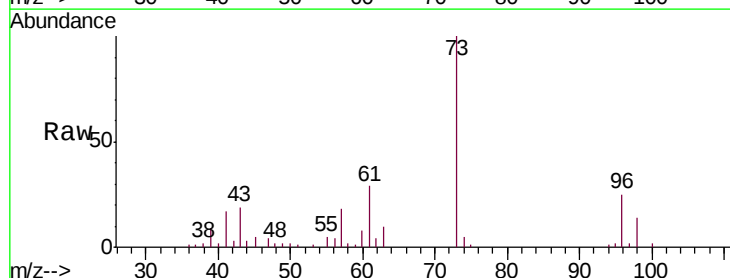
Tgt Ion: 73 Resp: 23926

Ion Ratio Lower Upper

73 100

43 20.4 15.6 23.4

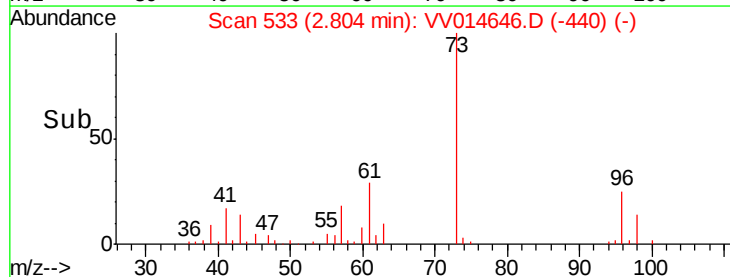
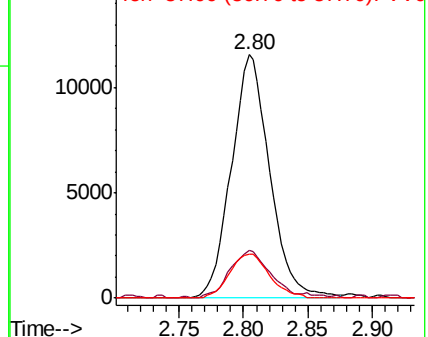
57 18.8 16.1 24.1

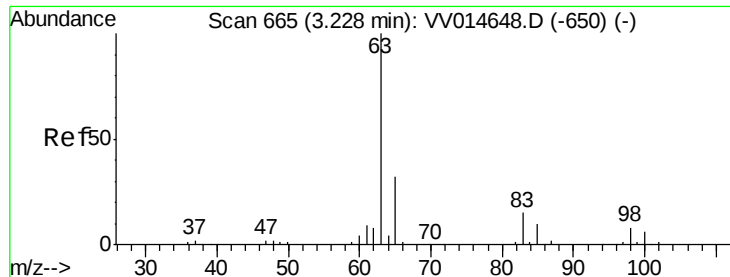


Abundance Ion 73.00 (72.70 to 73.70): VV014646.D (-440) (-)

Ion 43.00 (42.70 to 43.70): VV014646.D (-440) (-)

Ion 57.00 (56.70 to 57.70): VV014646.D (-440) (-)





#19

1,1-Dichloroethane

Concen: 5.242 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

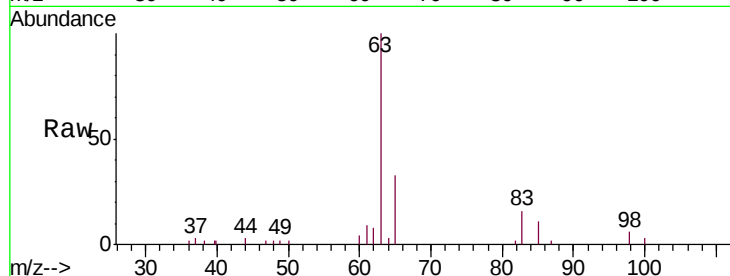
Tgt Ion: 63 Resp: 13451

Ion Ratio Lower Upper

63 100

65 33.3 22.6 42.0

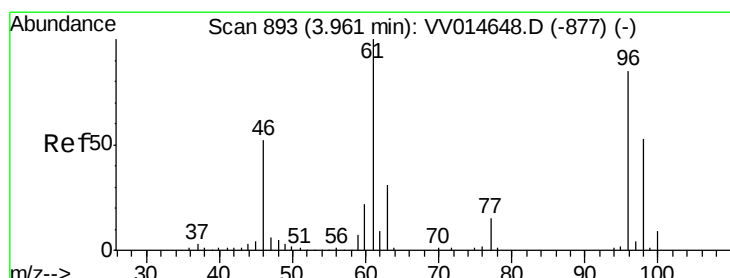
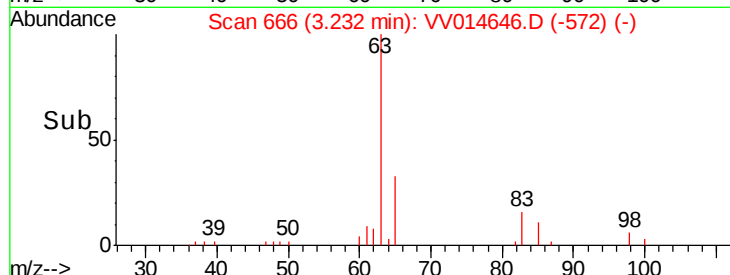
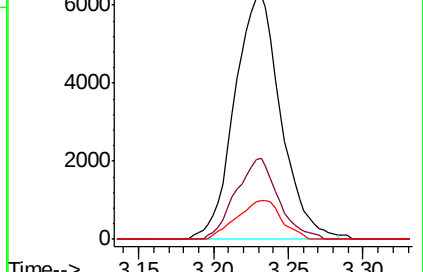
83 16.1 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VV014646.D (-650) (-)

Ion 65.00 (64.70 to 65.70): VV014646.D (-650) (-)

Ion 83.00 (82.70 to 83.70): VV014646.D (-650) (-)



#20

cis-1,2-Dichloroethene

Concen: 4.921 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

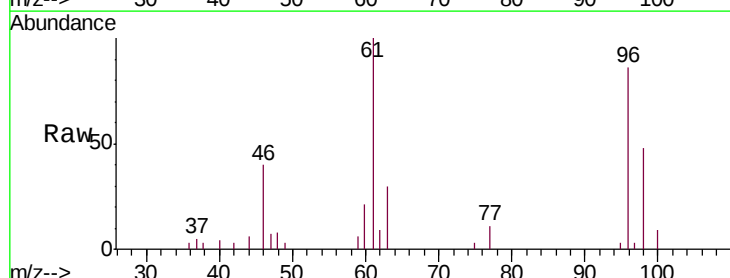
Tgt Ion: 96 Resp: 8324

Ion Ratio Lower Upper

96 100

61 116.6 82.4 153.0

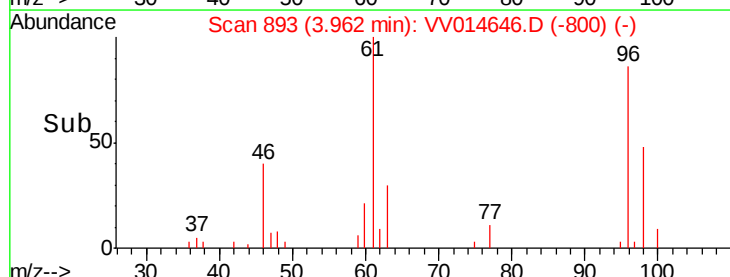
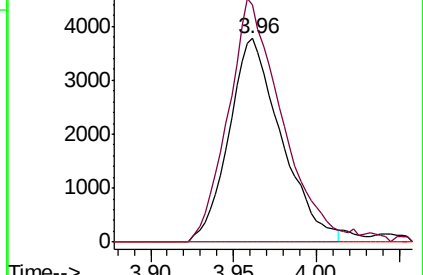
68 0.0 0.0 0.0

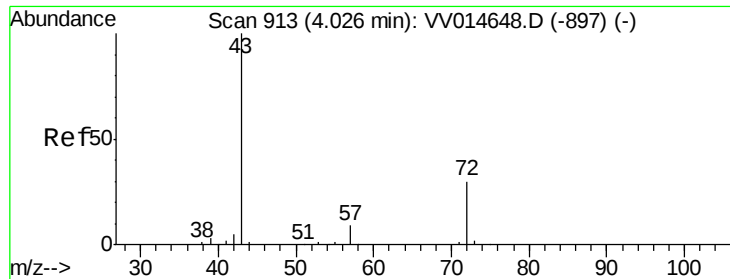


Abundance Ion 96.00 (95.70 to 96.70): VV014646.D (-800) (-)

Ion 61.00 (60.70 to 61.70): VV014646.D (-800) (-)

Ion 68.00 (67.70 to 68.70): VV014646.D (-800) (-)





#22

2-Butanone

Concen: 5.325 ug/L

RT: 4.05 min Scan# 921

Delta R.T. 0.03 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

Instrument :

MSVOA_V

ClientSampleId :

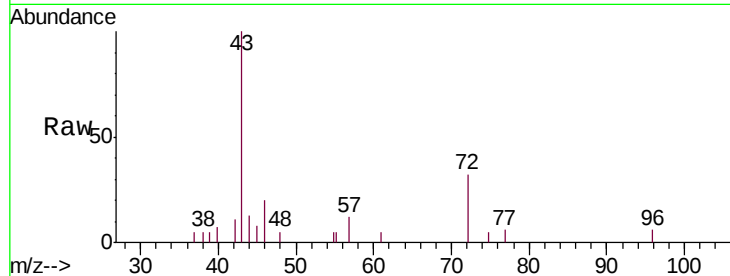
VSTD00561

Tgt Ion: 43 Resp: 5310

Ion Ratio Lower Upper

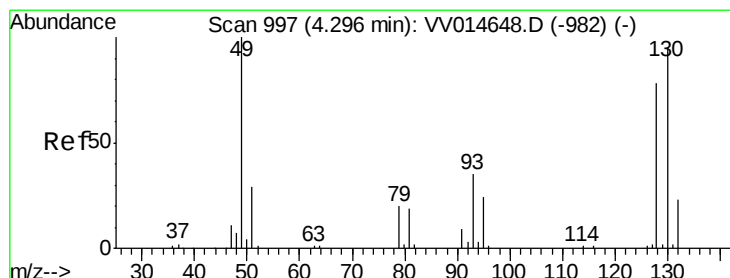
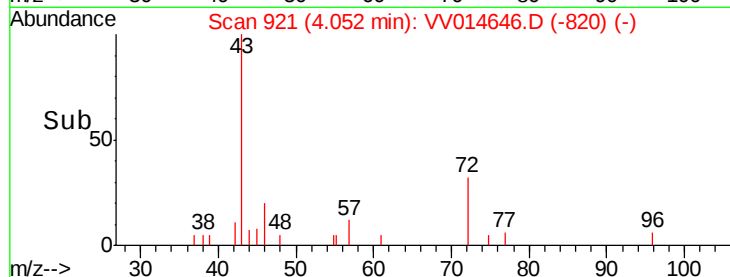
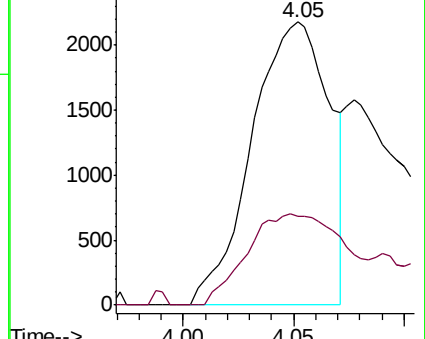
43 100

72 14.0 14.1 42.3#



Abundance Ion 43.00 (42.70 to 43.70): VV014648.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VV014648.D (-897) (-)



#23

Bromochloromethane

Concen: 5.174 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

Tgt Ion: 128 Resp: 4296

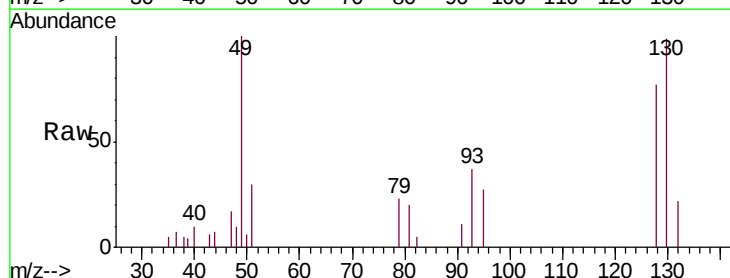
Ion Ratio Lower Upper

128 100

49 130.4 89.7 166.5

130 129.6 85.0 158.0

51 39.8 30.0 45.0

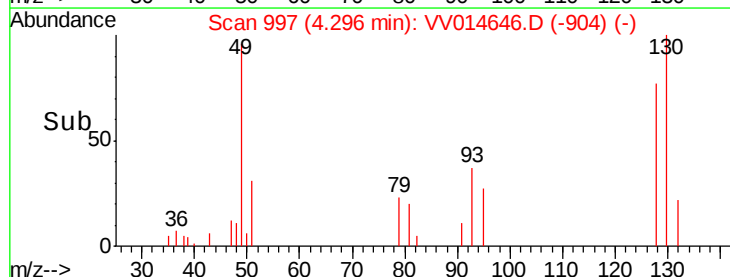
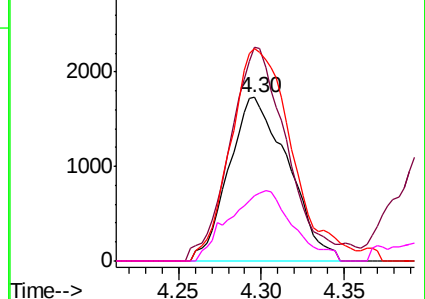


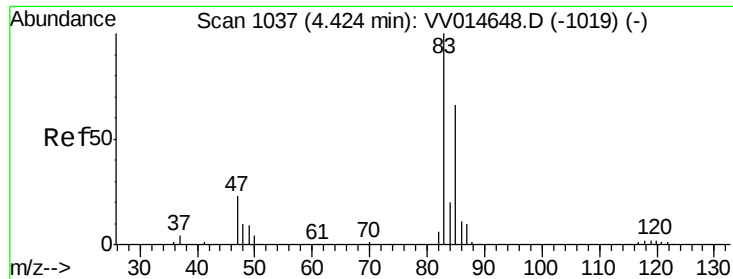
Abundance Ion 128.00 (127.70 to 128.70): VV014646.D (-904) (-)

Ion 49.00 (48.70 to 49.70): VV014646.D (-904) (-)

Ion 130.00 (129.70 to 130.70): VV014646.D (-904) (-)

Ion 51.00 (50.70 to 51.70): VV014646.D (-904) (-)

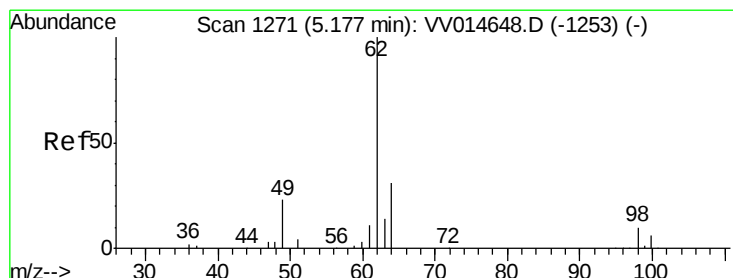
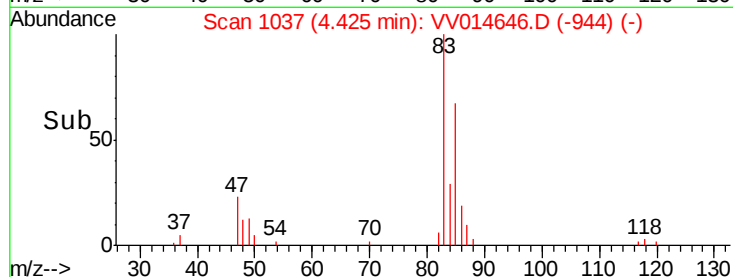
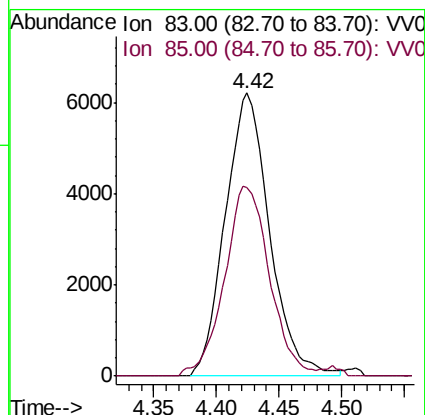
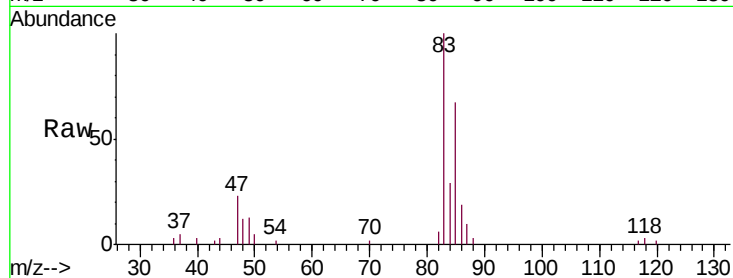




#25
Chloroform
Concen: 5.312 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014646.D
Acq: 21 Feb 2020 11:43

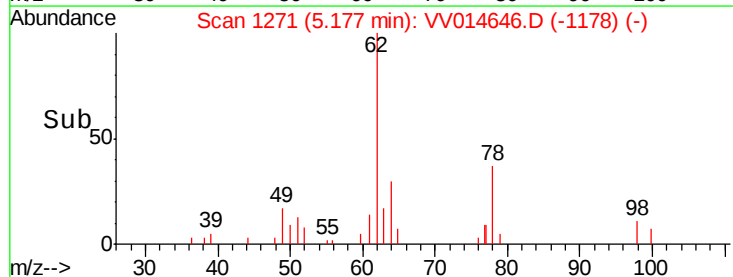
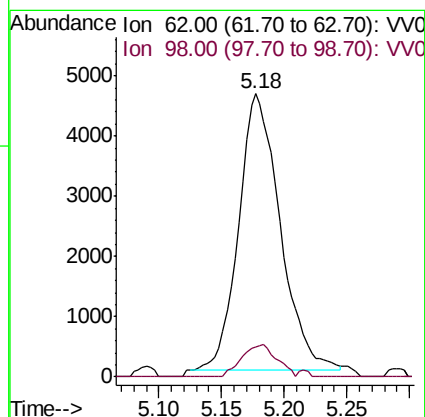
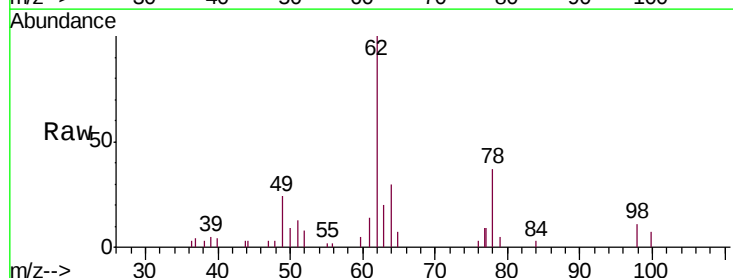
Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

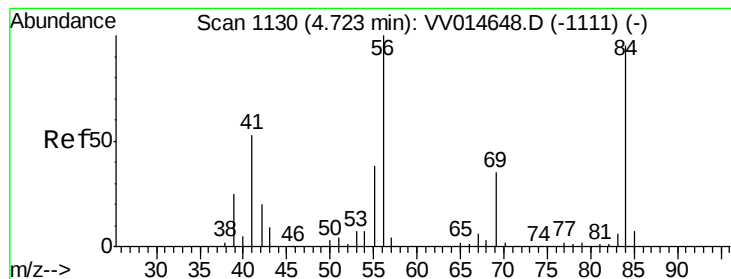
Tgt Ion: 83 Resp: 15240
Ion Ratio Lower Upper
83 100
85 66.9 46.1 85.7



#27
1,2-Dichloroethane
Concen: 4.971 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV014646.D
Acq: 21 Feb 2020 11:43

Tgt Ion: 62 Resp: 10537
Ion Ratio Lower Upper
62 100
98 10.7 7.8 11.6





#29

Cyclohexane

Concen: 4.859 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

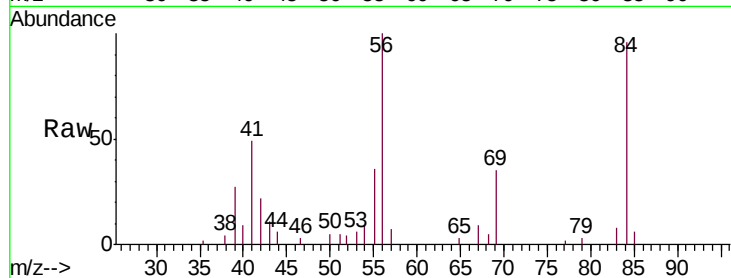
Tgt Ion: 56 Resp: 10916

Ion Ratio Lower Upper

56 100

69 15.0 26.9 40.3#

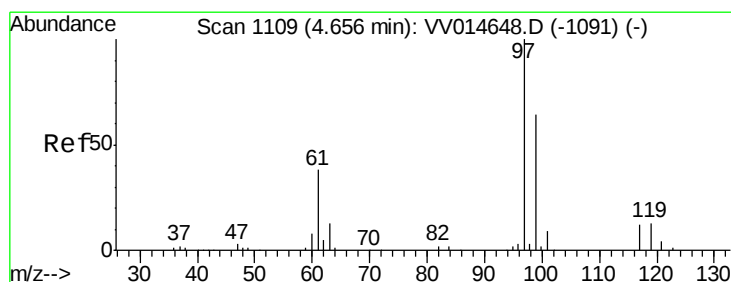
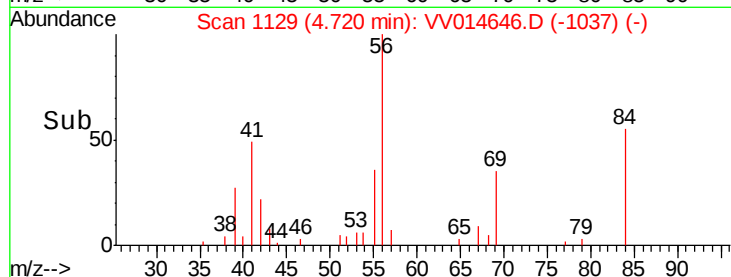
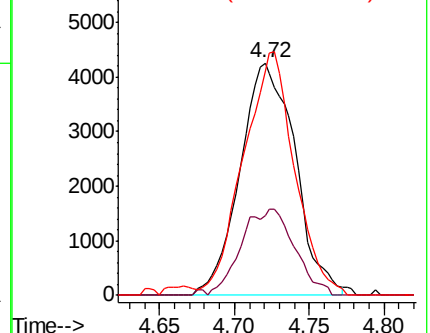
84 97.2 78.2 117.2



Abundance Ion 56.00 (55.70 to 56.70): VV014648.D (-1111) (-)

Ion 69.00 (68.70 to 69.70): VV014648.D (-1111) (-)

Ion 84.00 (83.70 to 84.70): VV014648.D (-1111) (-)



#30

1,1,1-Trichloroethane

Concen: 5.416 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

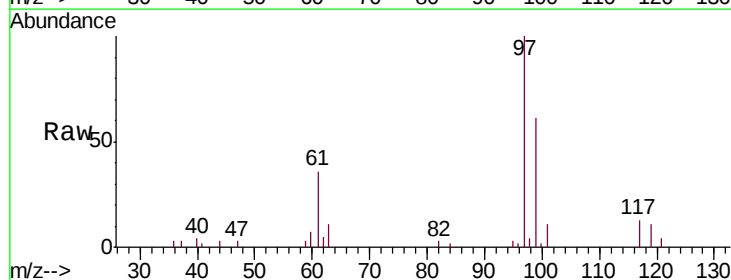
Tgt Ion: 97 Resp: 13512

Ion Ratio Lower Upper

97 100

99 63.2 52.0 78.0

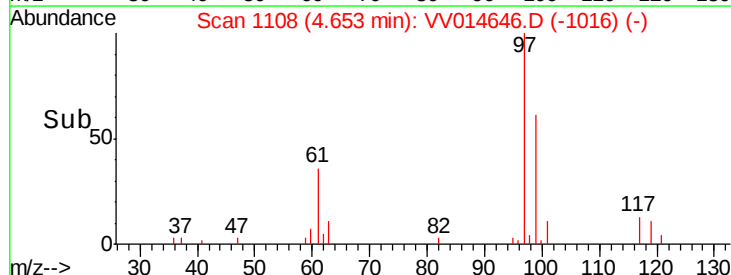
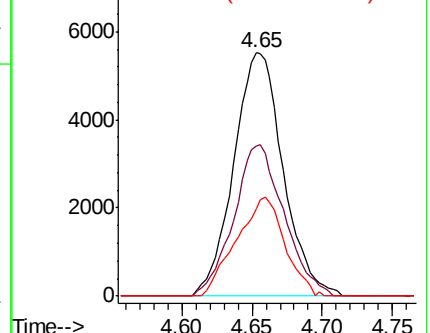
61 39.7 31.4 47.0

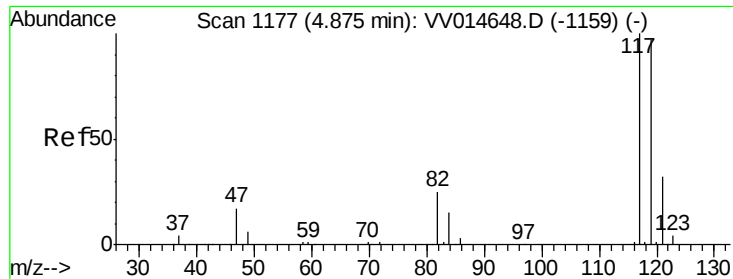


Abundance Ion 97.00 (96.70 to 97.70): VV014648.D (-1091) (-)

Ion 99.00 (98.70 to 99.70): VV014648.D (-1091) (-)

Ion 61.05 (60.75 to 61.75): VV014648.D (-1091) (-)





#31

Carbon tetrachloride

Concen: 5.182 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

Instrument :

MSVOA_V

ClientSampleId :

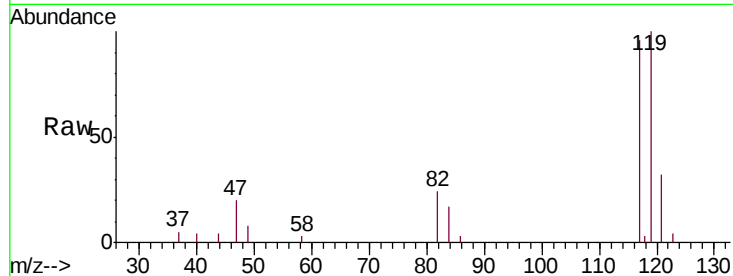
VSTD00561

Tgt Ion:117 Resp: 11662

Ion Ratio Lower Upper

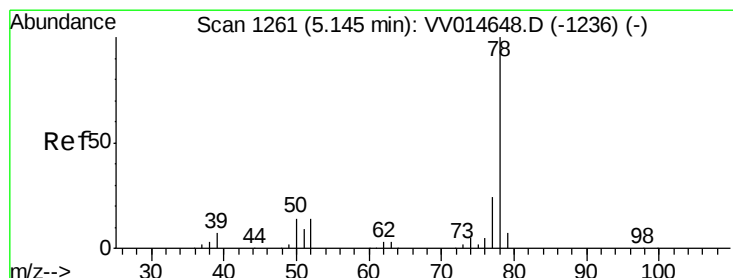
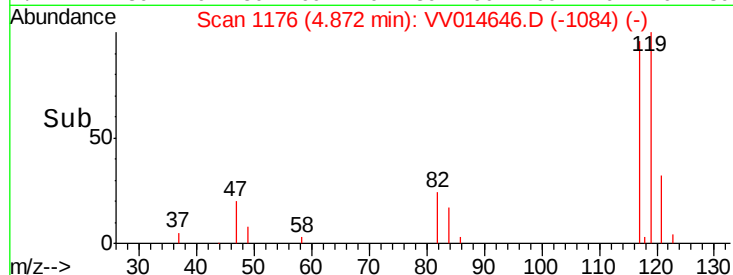
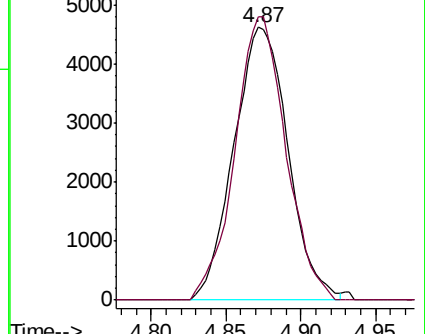
117 100

119 97.3 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.063 ug/L

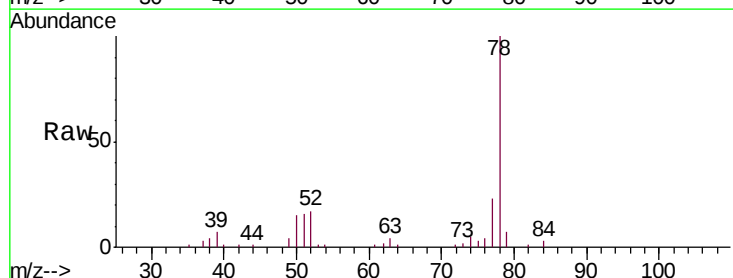
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

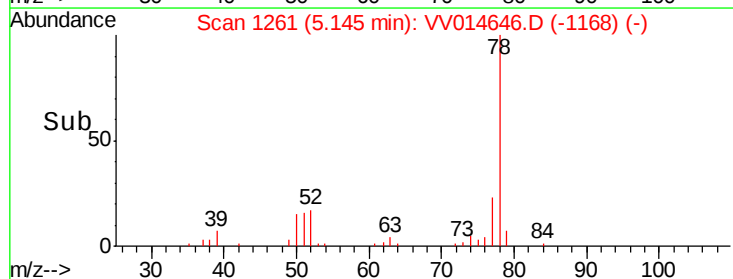
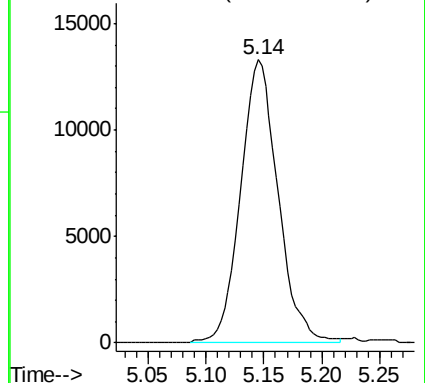
Lab File: VV014646.D

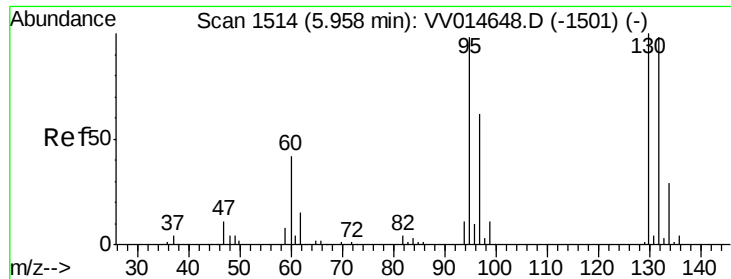
Acq: 21 Feb 2020 11:43

Tgt Ion: 78 Resp: 30020



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 6.108 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

Tgt Ion: 95 Resp: 9856

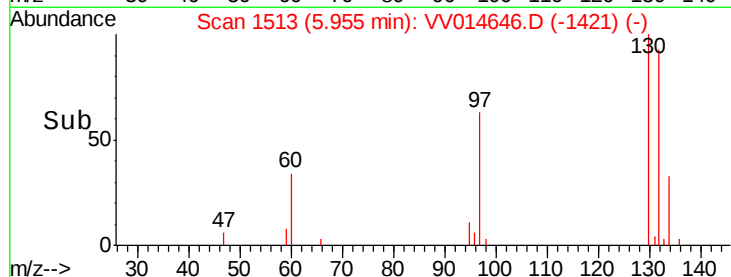
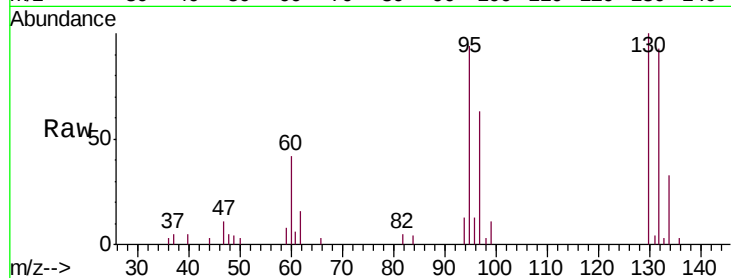
Ion Ratio Lower Upper

95 100

97 66.9 44.3 82.3

132 98.9 69.7 129.4

130 106.7 71.3 132.5

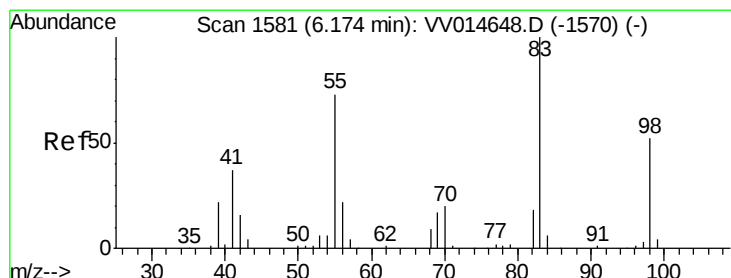
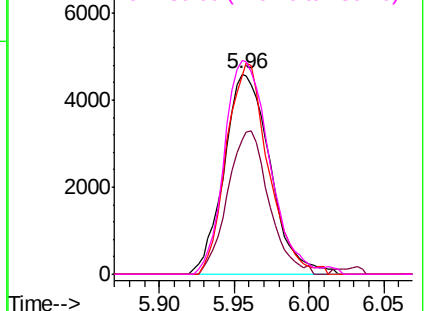


Abundance Ion 95.00 (94.70 to 95.70): VV014646.D (-1421) (-)

Ion 97.00 (96.70 to 97.70): VV014646.D (-1421) (-)

Ion 132.00 (131.70 to 132.70): VV014646.D (-1421) (-)

Ion 130.00 (129.70 to 130.70): VV014646.D (-1421) (-)



#35

Methylcyclohexane

Concen: 4.882 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

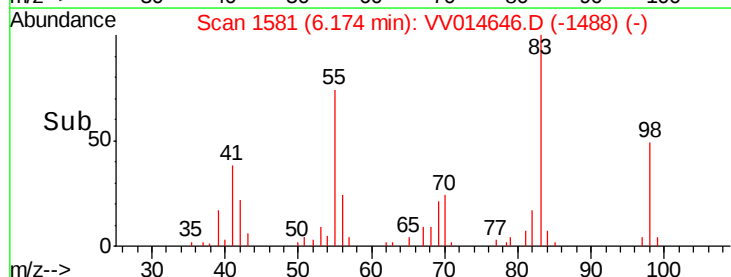
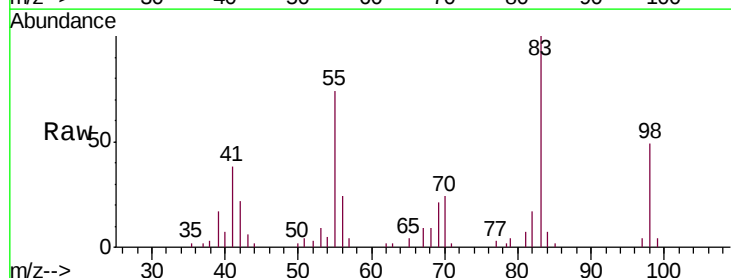
Tgt Ion: 83 Resp: 12295

Ion Ratio Lower Upper

83 100

55 76.6 56.1 84.1

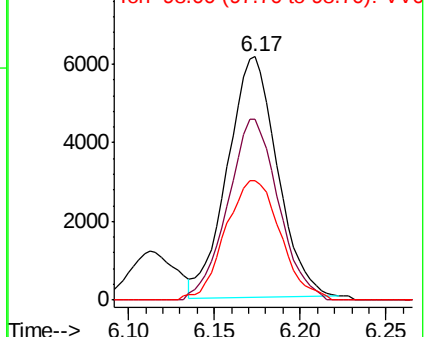
98 54.4 40.4 60.6

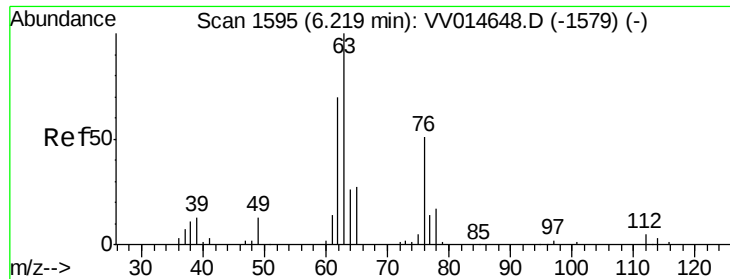


Abundance Ion 83.00 (82.70 to 83.70): VV014646.D (-1488) (-)

Ion 55.00 (54.70 to 55.70): VV014646.D (-1488) (-)

Ion 98.00 (97.70 to 98.70): VV014646.D (-1488) (-)





#37

1,2-Dichloropropane

Concen: 5.095 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. -0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

Instrument :

MSVOA_V

ClientSampleId :

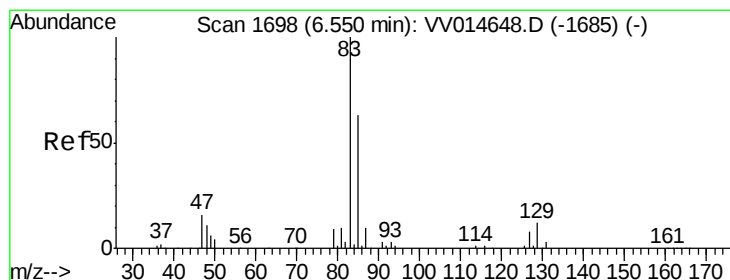
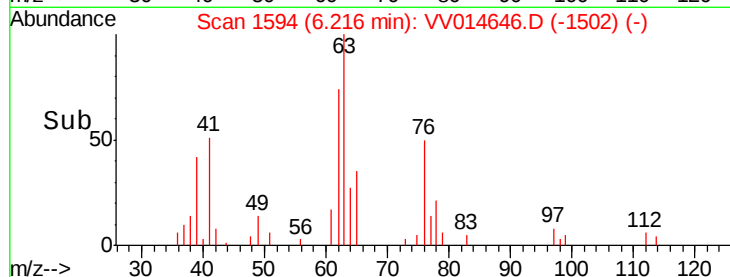
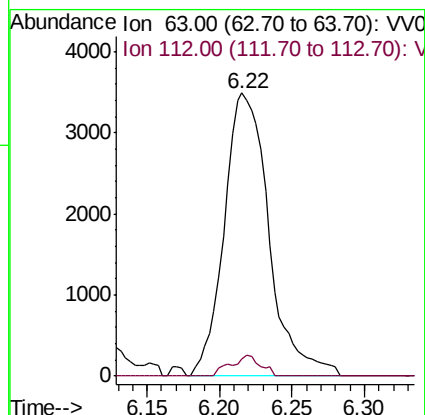
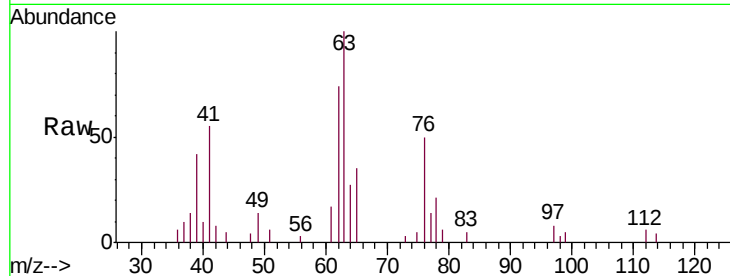
VSTD00561

Tgt Ion: 63 Resp: 7466

Ion Ratio Lower Upper

63 100

112 3.2 3.8 5.6#



#38

Bromodichloromethane

Concen: 5.045 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

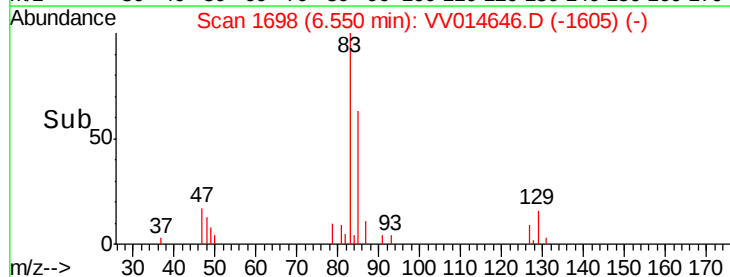
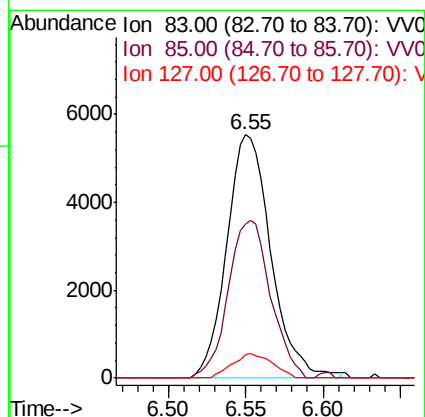
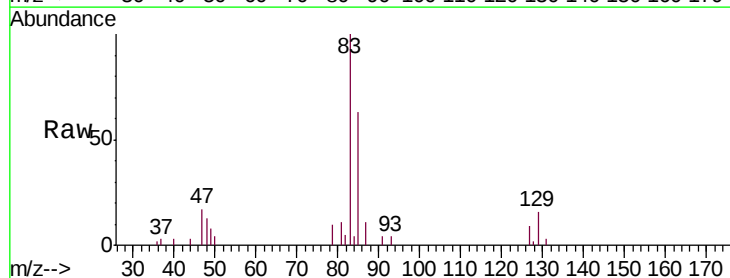
Tgt Ion: 83 Resp: 10981

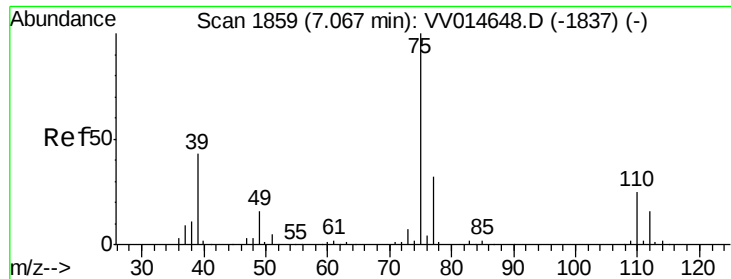
Ion Ratio Lower Upper

83 100

85 63.5 44.2 82.2

127 9.4 6.7 10.1

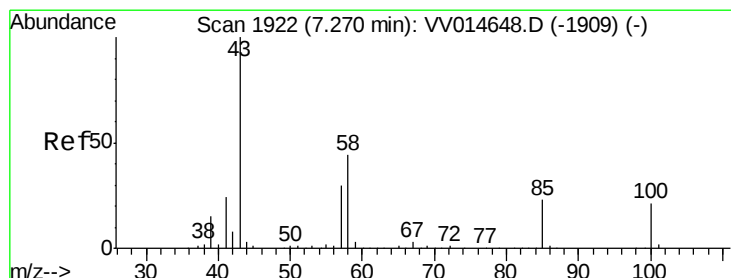
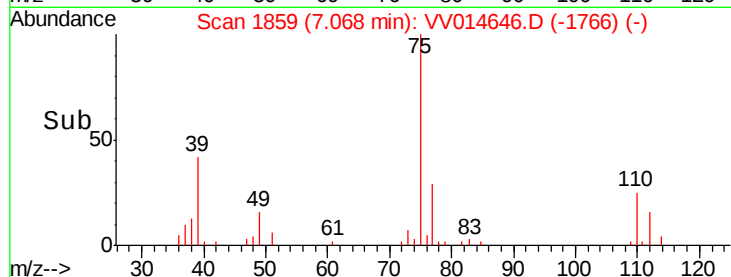
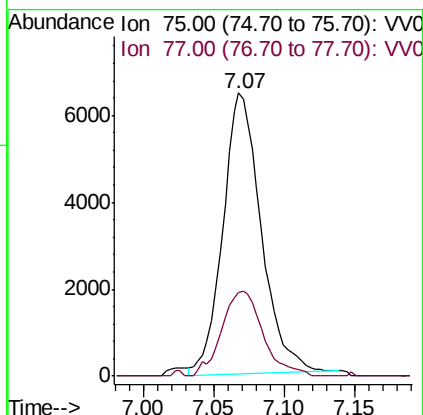
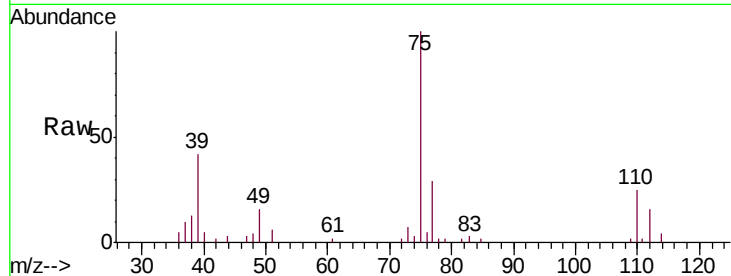




#39
 cis-1,3-Dichloropropene
 Concen: 4.714 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014646.D
 Acq: 21 Feb 2020 11:43

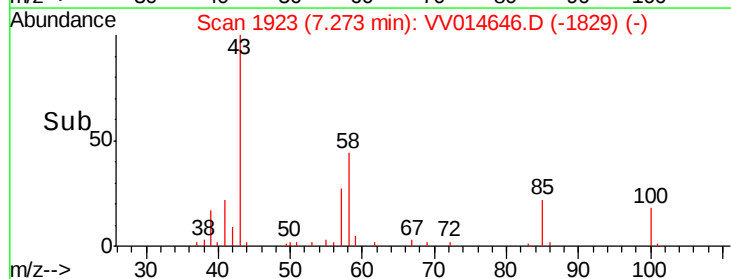
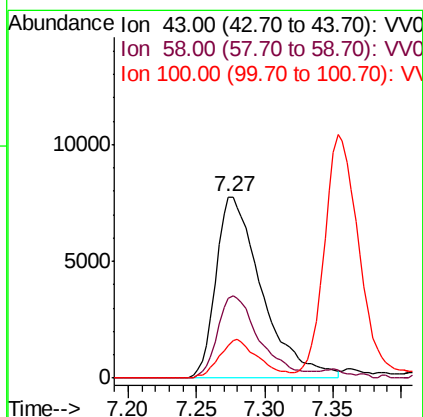
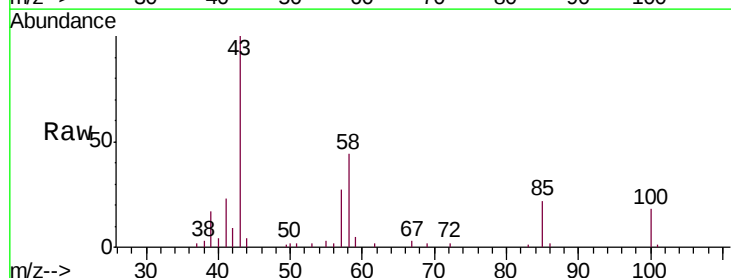
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

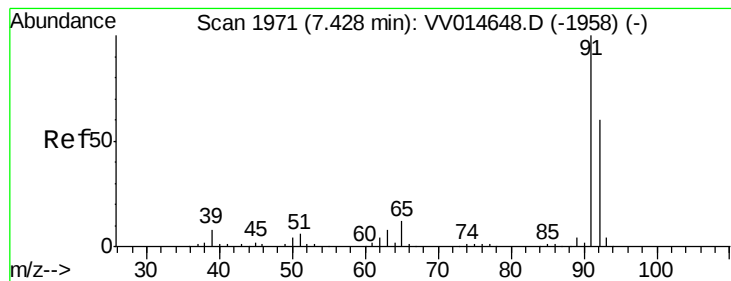
Tgt Ion: 75 Resp: 12223
 Ion Ratio Lower Upper
 75 100
 77 29.4 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 10.004 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV014646.D
 Acq: 21 Feb 2020 11:43

Tgt Ion: 43 Resp: 18190
 Ion Ratio Lower Upper
 43 100
 58 41.4 35.7 53.5
 100 18.2 16.8 25.2





#42

Toluene

Concen: 4.902 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

Instrument :

MSVOA_V

ClientSampleId :

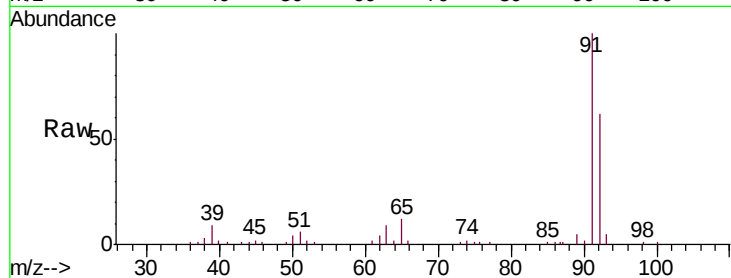
VSTD00561

Tgt Ion: 91 Resp: 31707

Ion Ratio Lower Upper

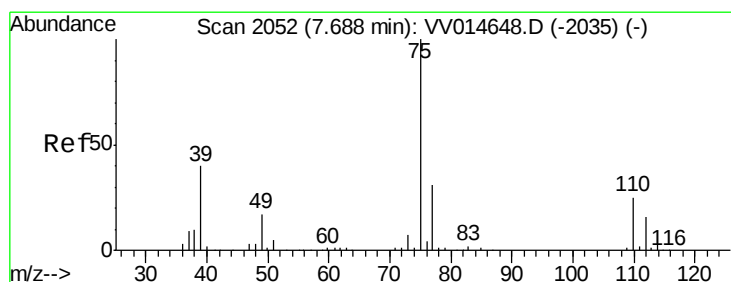
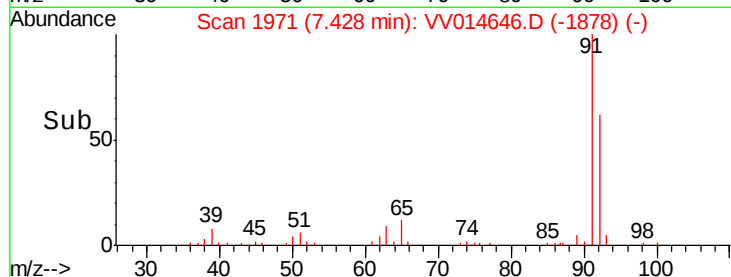
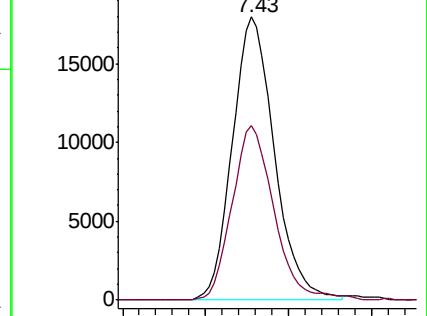
91 100

92 61.6 41.9 77.7



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: 4.635 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014646.D

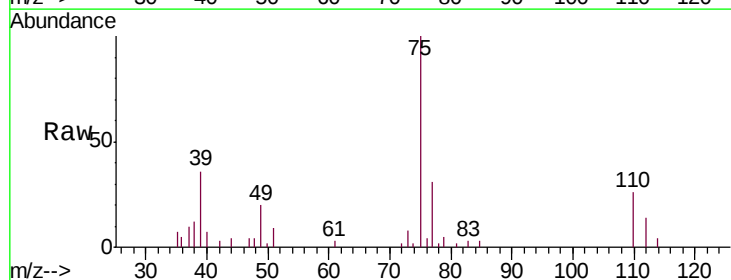
Acq: 21 Feb 2020 11:43

Tgt Ion: 75 Resp: 10901

Ion Ratio Lower Upper

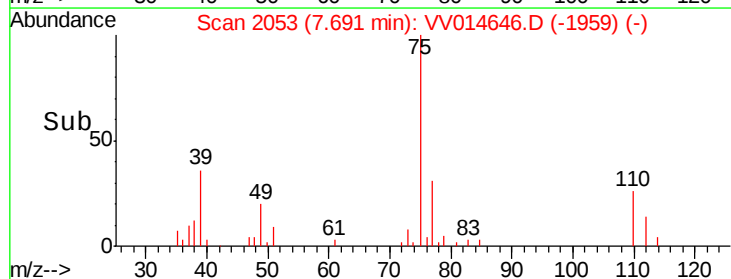
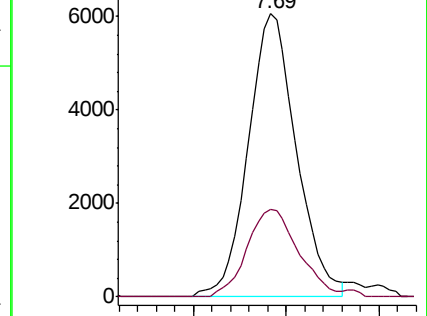
75 100

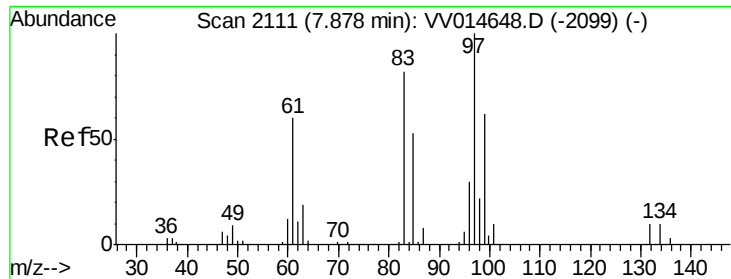
77 30.8 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

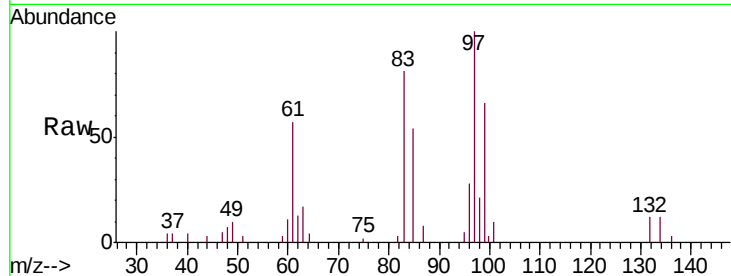




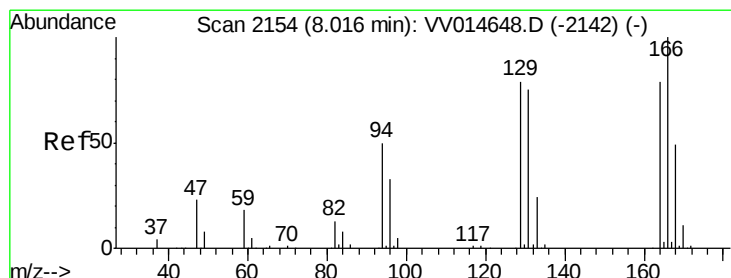
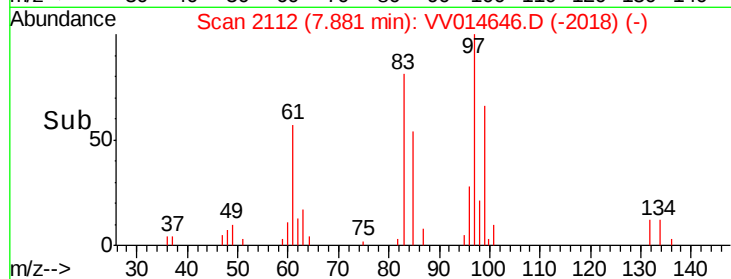
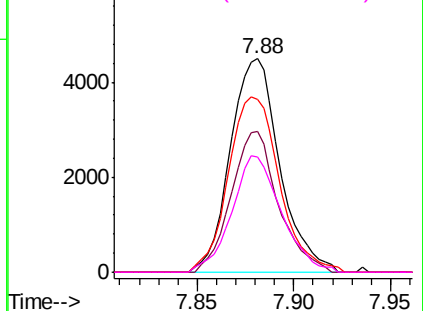
#45
 1,1,2-Trichloroethane
 Concen: 5.240 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV014646.D
 Acq: 21 Feb 2020 11:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

Tgt Ion:	97	Resp:	8006
Ion	Ratio	Lower	Upper
97	100		
99	66.0	43.7	81.1
83	81.0	57.3	106.5
85	54.2	37.1	68.9



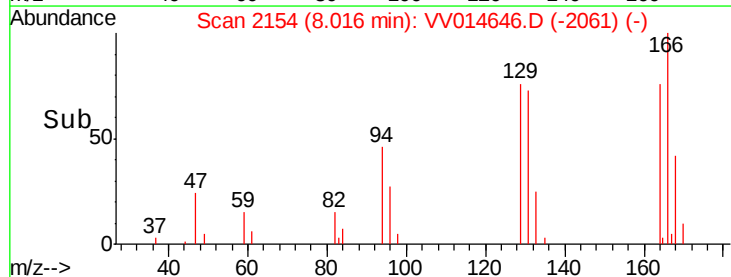
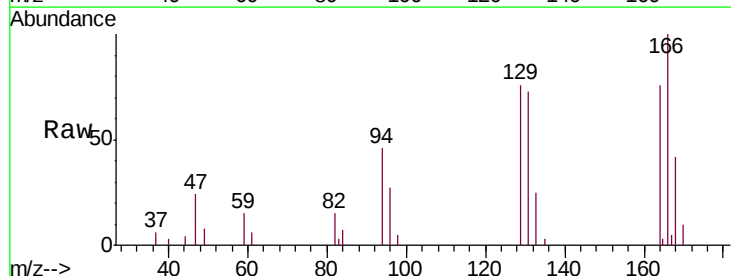
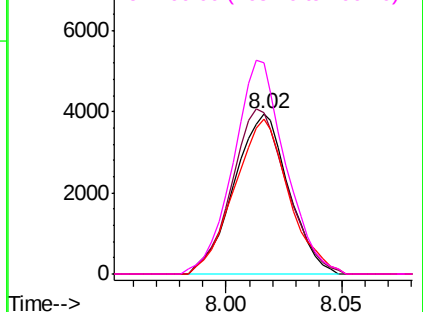
Abundance Ion 97.00 (96.70 to 97.70): VV014646.D (-2018) (-)

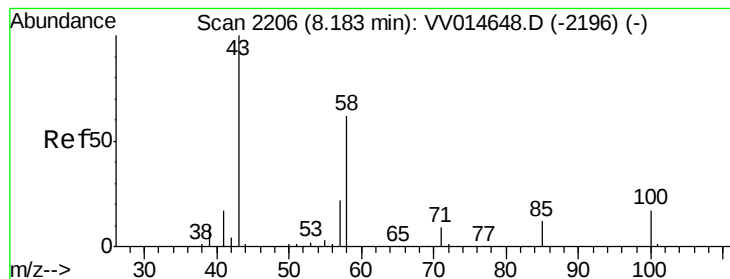


#46
 Tetrachloroethene
 Concen: 5.133 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV014646.D
 Acq: 21 Feb 2020 11:43

Tgt Ion:	164	Resp:	6464
Ion	Ratio	Lower	Upper
164	100		
129	96.3	70.3	130.7
131	92.5	66.8	124.0
166	126.0	88.8	165.0

Abundance Ion 164.00 (163.70 to 164.70): VV014646.D (-2061) (-)





#48

2-Hexanone

Concen: 9.474 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

Tgt Ion: 43 Resp: 13578

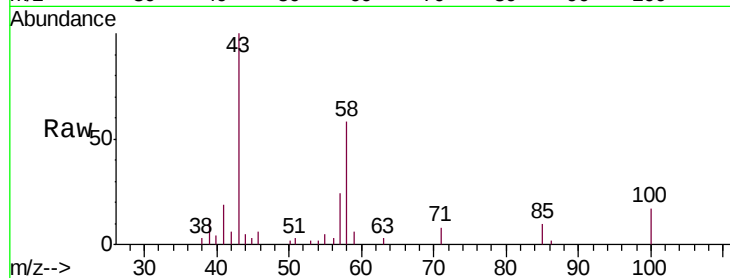
Ion Ratio Lower Upper

43 100

58 68.0 49.4 74.2

57 25.9 17.8 26.8

100 16.5 13.1 19.7

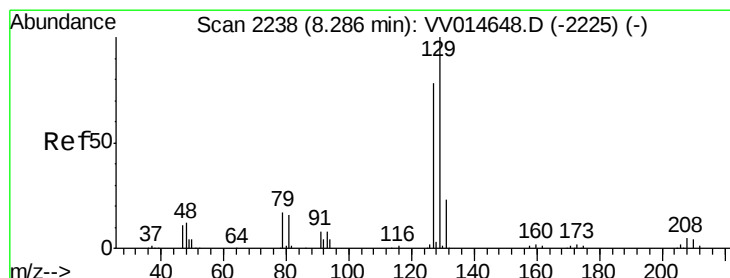
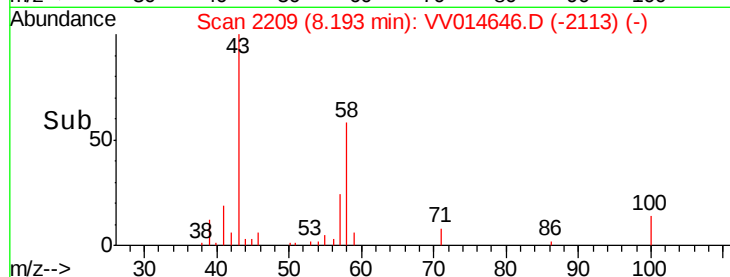
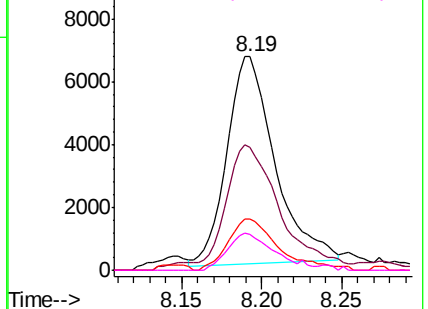


Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 4.660 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VV014646.D

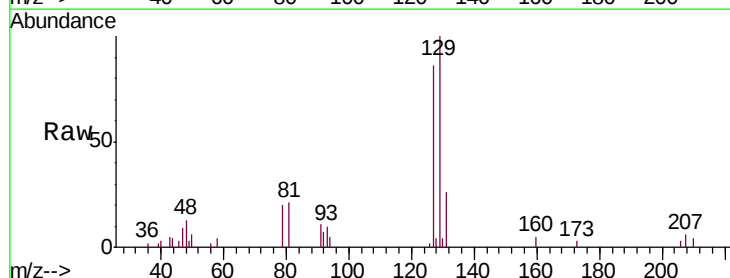
Acq: 21 Feb 2020 11:43

Tgt Ion: 129 Resp: 8483

Ion Ratio Lower Upper

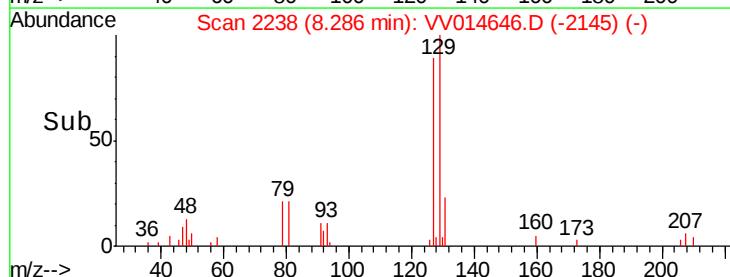
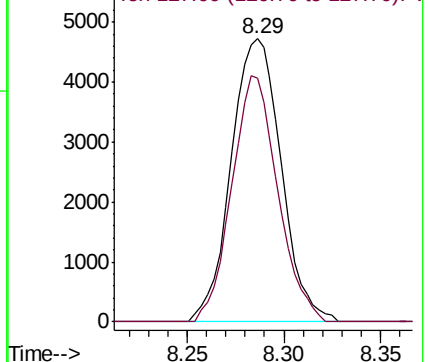
129 100

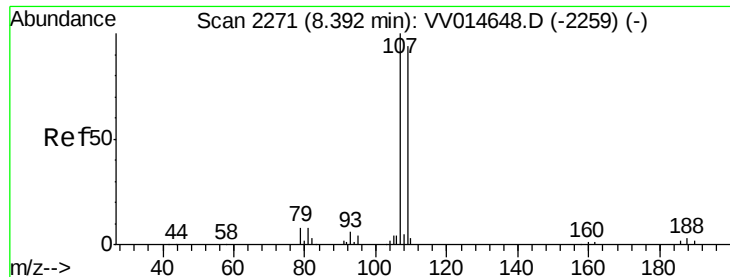
127 86.0 54.5 101.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

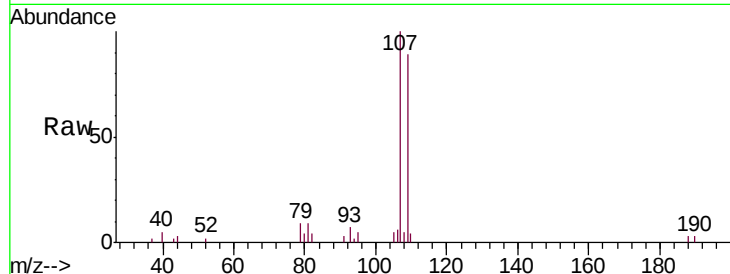




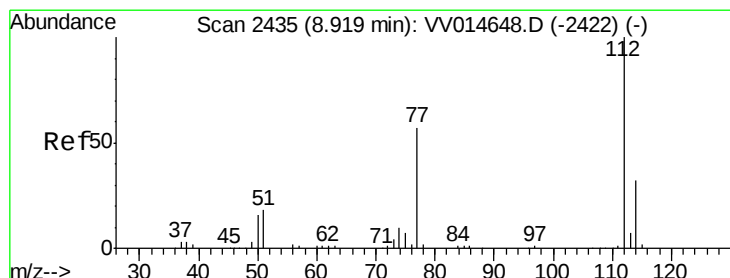
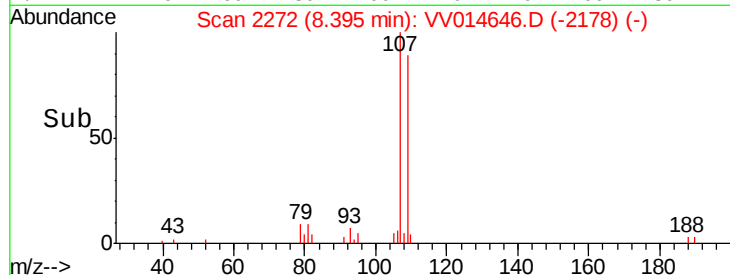
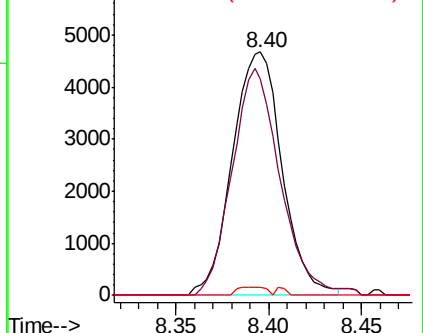
#50
1,2-Dibromoethane
Concen: 5.248 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV014646.D
Acq: 21 Feb 2020 11:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

Tgt Ion:107 Resp: 8680
Ion Ratio Lower Upper
107 100
109 89.1 66.1 122.7
188 3.1 2.7 4.1

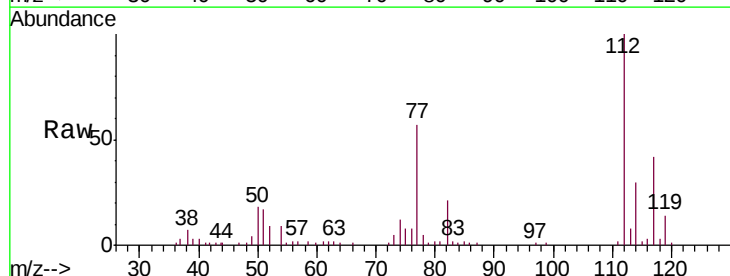


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

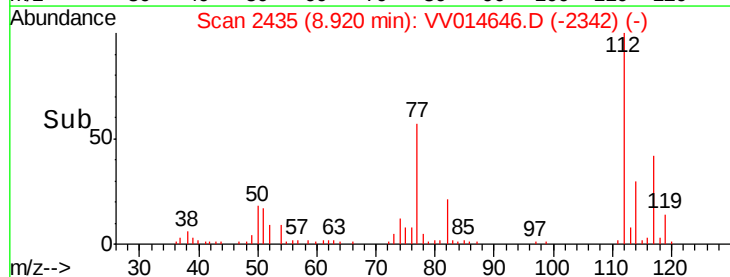
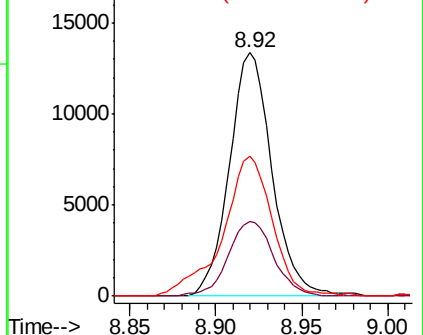


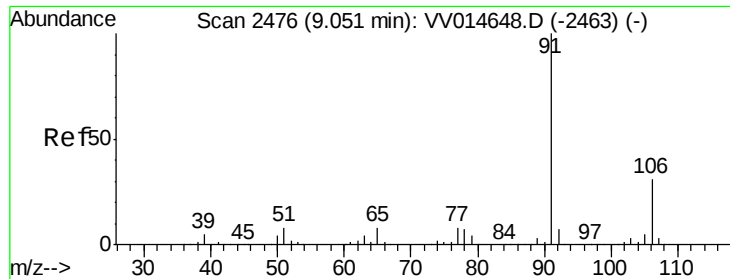
#51
Chlorobenzene
Concen: 5.315 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014646.D
Acq: 21 Feb 2020 11:43

Tgt Ion:112 Resp: 23010
Ion Ratio Lower Upper
112 100
114 30.4 22.5 41.7
77 57.3 45.8 68.8



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 5.028 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

Instrument :

MSVOA_V

ClientSampleId :

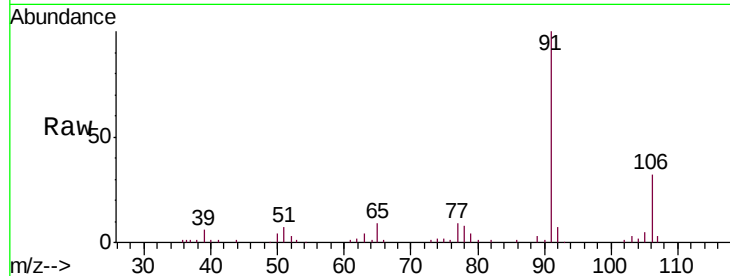
VSTD00561

Tgt Ion: 91 Resp: 36956

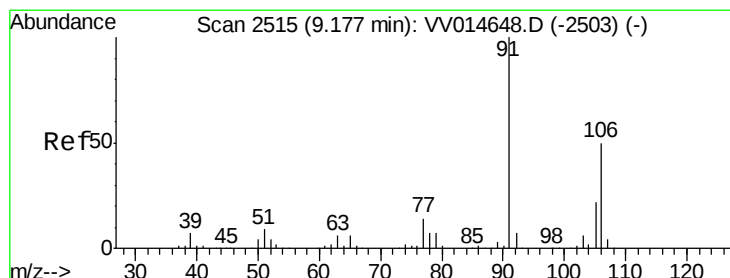
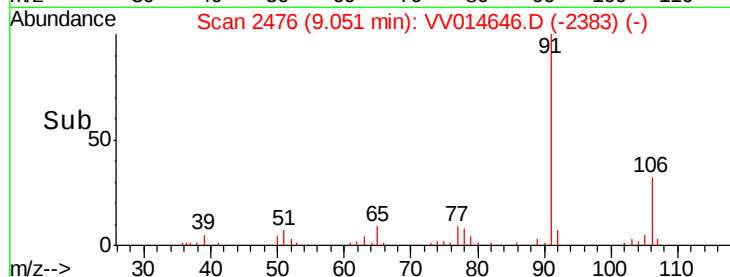
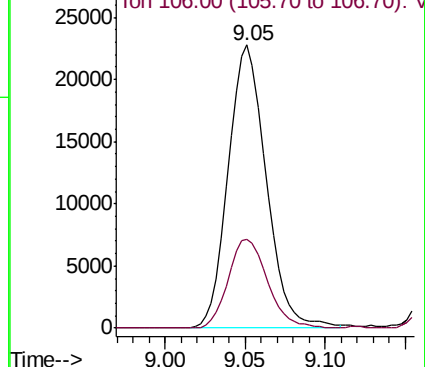
Ion Ratio Lower Upper

91 100

106 31.6 21.7 40.3



Abundance Ion 91.00 (90.70 to 91.70): VV014646.D (-2463) (-)



#53

m,p-Xylene

Concen: 4.963 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014646.D

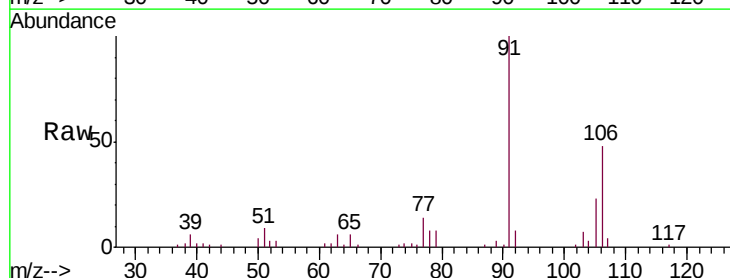
Acq: 21 Feb 2020 11:43

Tgt Ion: 106 Resp: 14278

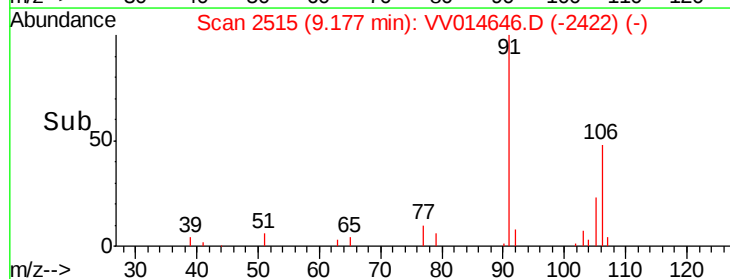
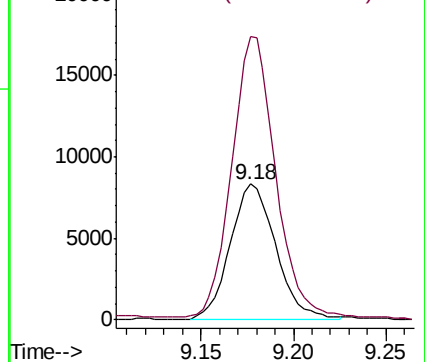
Ion Ratio Lower Upper

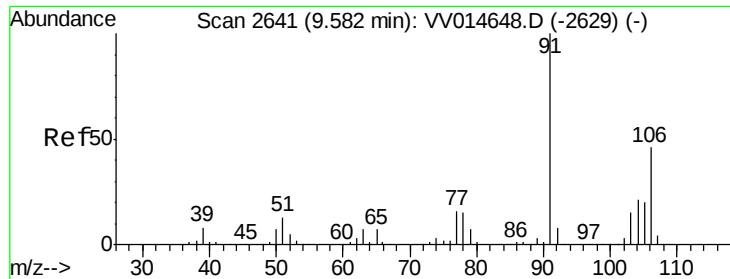
106 100

91 208.1 139.9 259.9



Abundance Ion 106.00 (105.70 to 106.70): VV014646.D (-2503) (-)

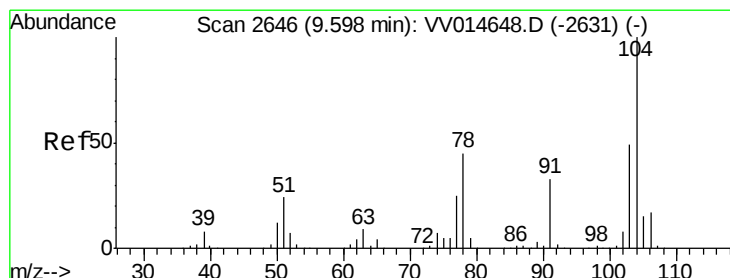
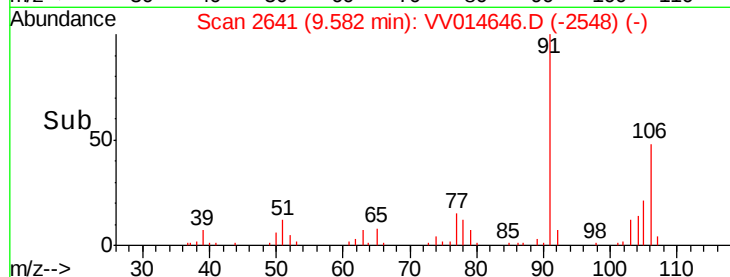
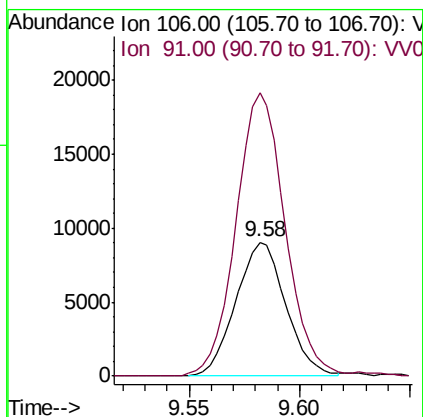
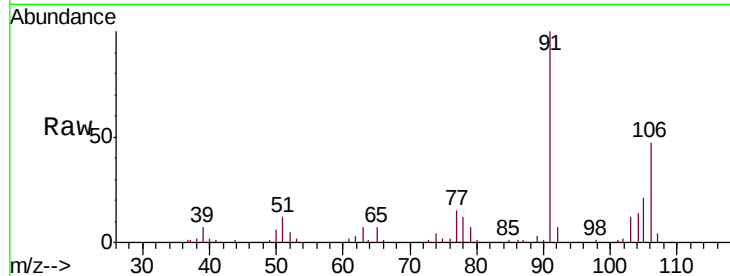




#54
o-xylene
Concen: 5.164 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014646.D
Acq: 21 Feb 2020 11:43

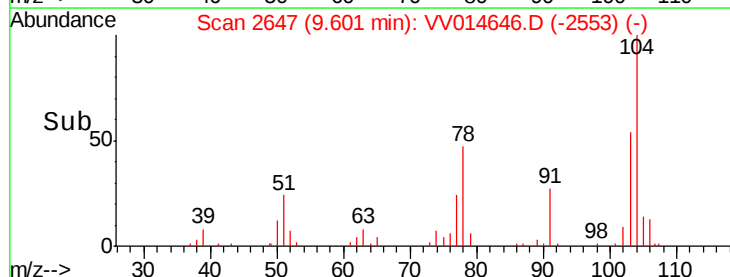
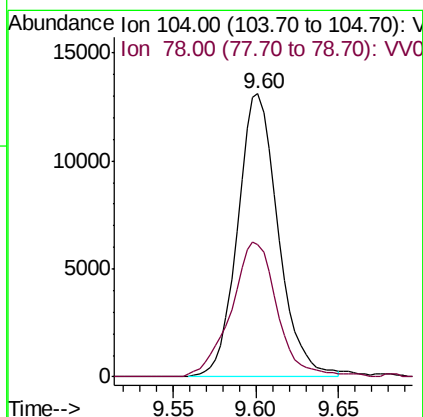
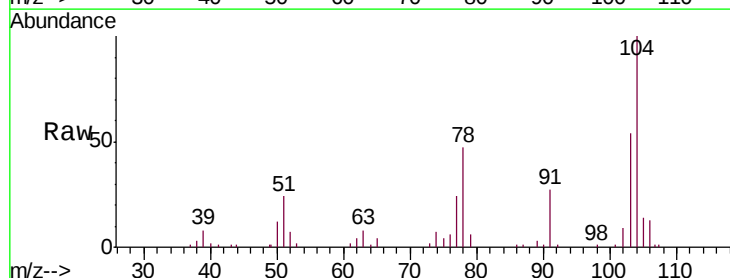
Instrument :
MSVOA_V
ClientSampled :
VSTD00561

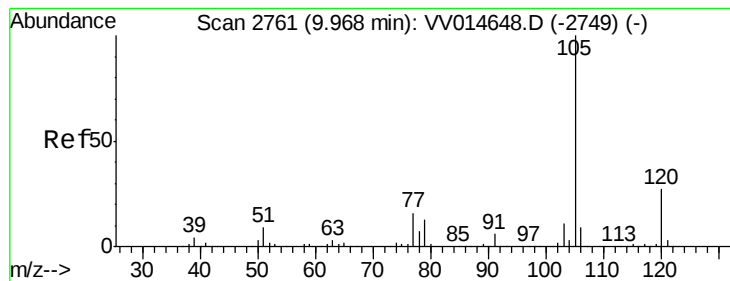
Tgt Ion:106 Resp: 14195
Ion Ratio Lower Upper
106 100
91 211.8 152.7 283.5



#55
Styrene
Concen: 4.751 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV014646.D
Acq: 21 Feb 2020 11:43

Tgt Ion:104 Resp: 22361
Ion Ratio Lower Upper
104 100
78 46.8 31.8 59.0





#56

Isopropylbenzene

Concen: 4.958 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

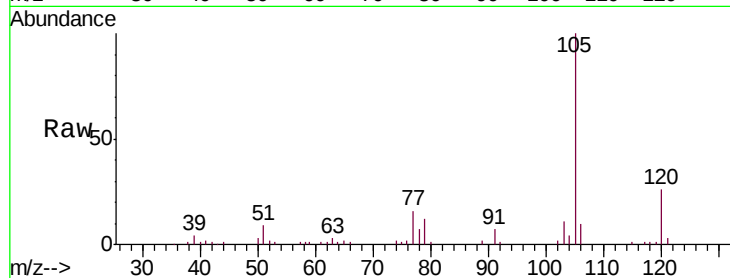
Tgt Ion: 105 Resp: 36301

Ion Ratio Lower Upper

105 100

120 26.1 21.4 32.2

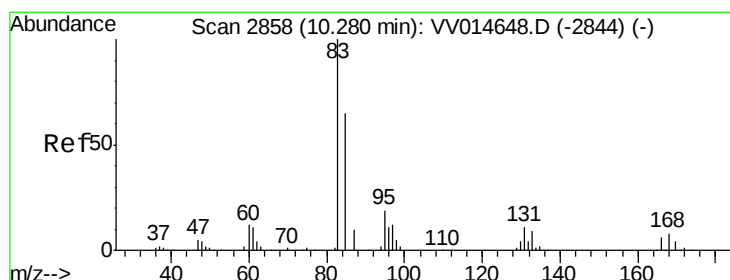
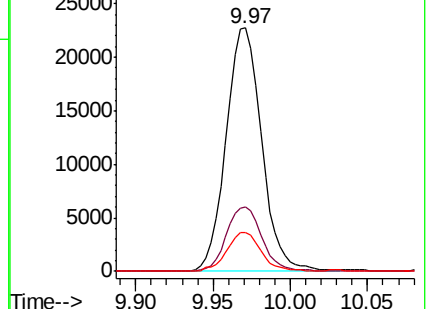
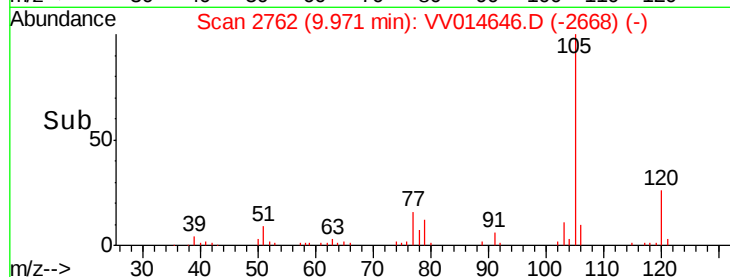
77 15.3 12.6 18.8



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: 4.861 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

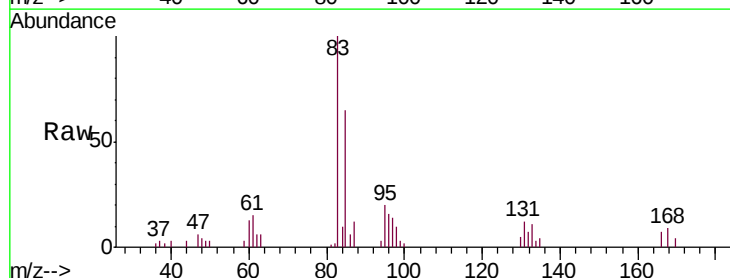
Tgt Ion: 83 Resp: 11687

Ion Ratio Lower Upper

83 100

85 65.5 45.7 84.9

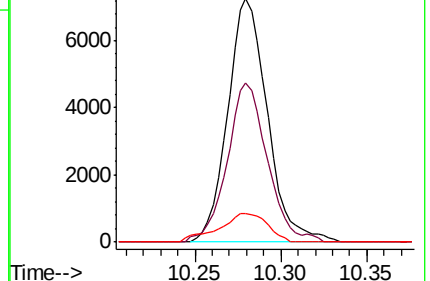
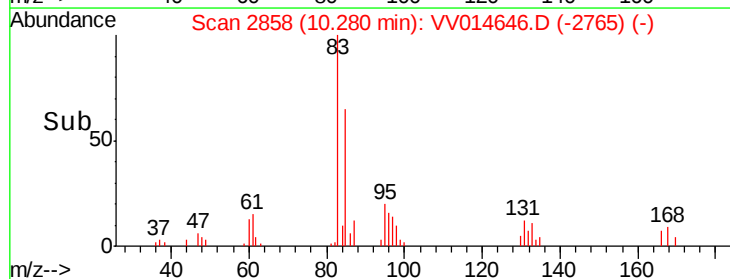
131 11.9 8.8 13.2

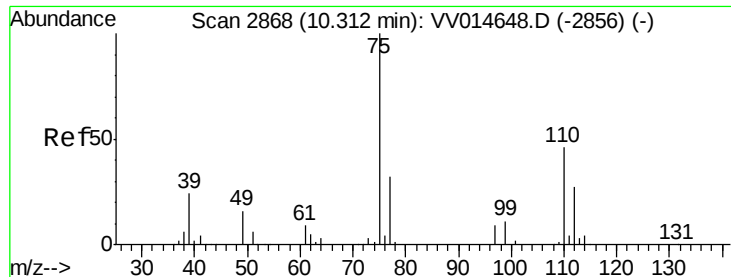


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.314 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

Instrument :

MSVOA_V

ClientSampleId :

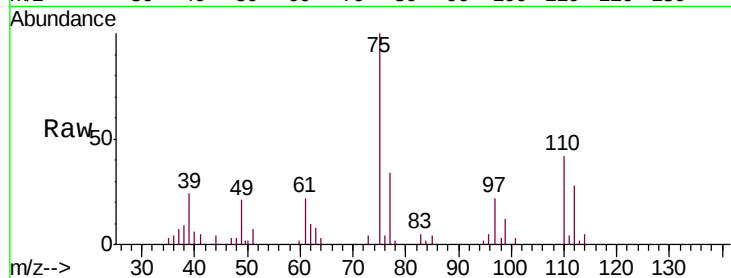
VSTD00561

Tgt Ion: 75 Resp: 10140

Ion Ratio Lower Upper

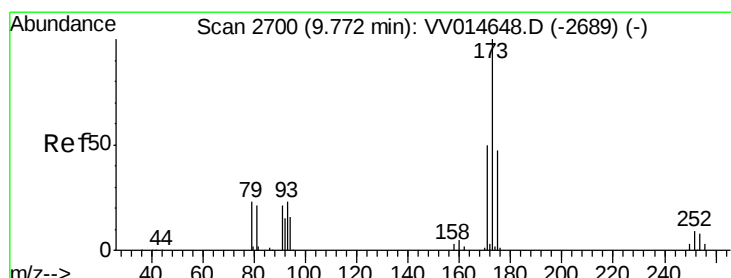
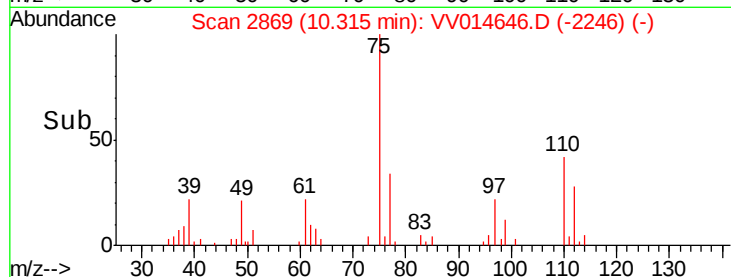
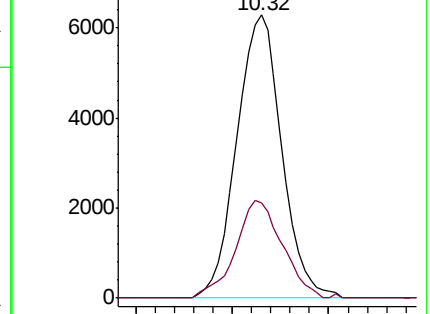
75 100

77 35.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV014648.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV014648.D (-2856) (-)



#61

Bromoform

Concen: 4.675 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

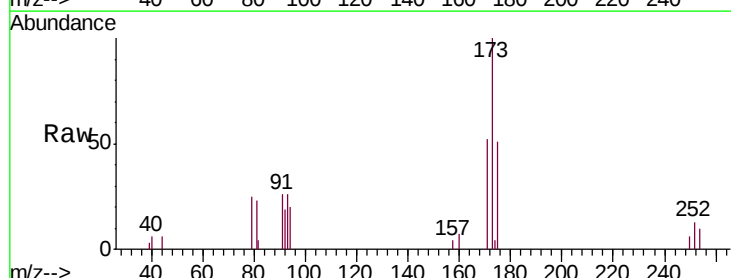
Tgt Ion: 173 Resp: 5687

Ion Ratio Lower Upper

173 100

175 50.0 38.8 58.2

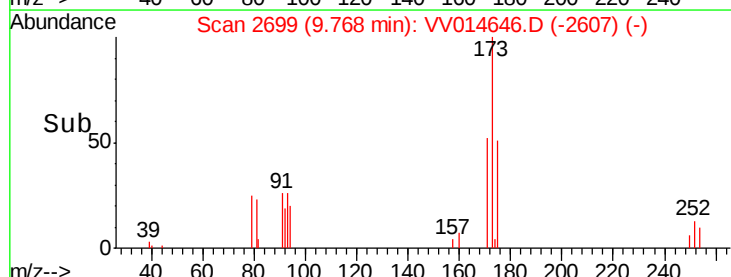
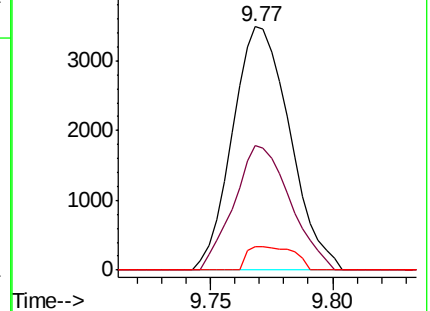
254 7.8 6.7 10.1

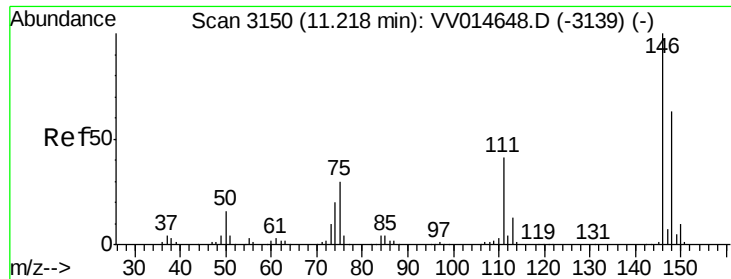


Abundance Ion 173.00 (172.70 to 173.70): VV014648.D (-2689) (-)

Ion 175.00 (174.70 to 175.70): VV014648.D (-2689) (-)

Ion 254.00 (253.70 to 254.70): VV014648.D (-2689) (-)





#62

1,3-Dichlorobenzene

Concen: 5.332 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

Instrument :

MSVOA_V

ClientSampled :

VSTD00561

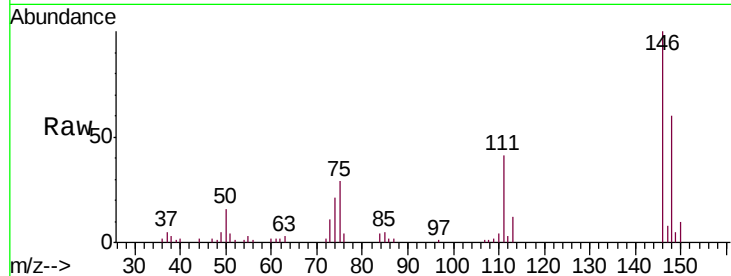
Tgt Ion:146 Resp: 18023

Ion Ratio Lower Upper

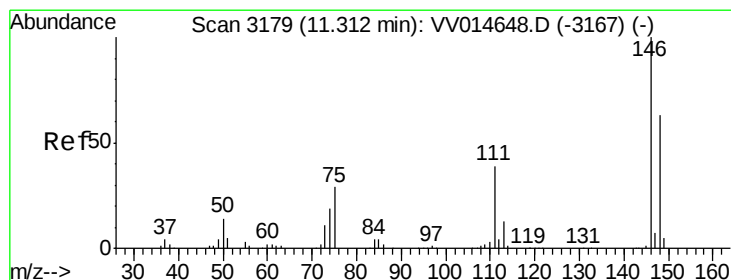
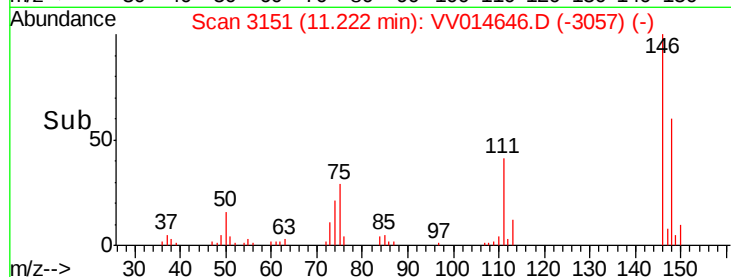
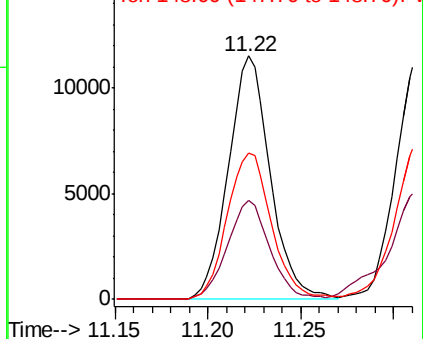
146 100

111 40.6 29.0 53.9

148 60.0 44.2 82.0



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: 5.419 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

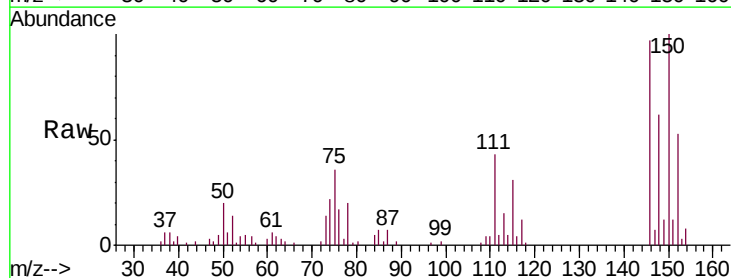
Tgt Ion:146 Resp: 18567

Ion Ratio Lower Upper

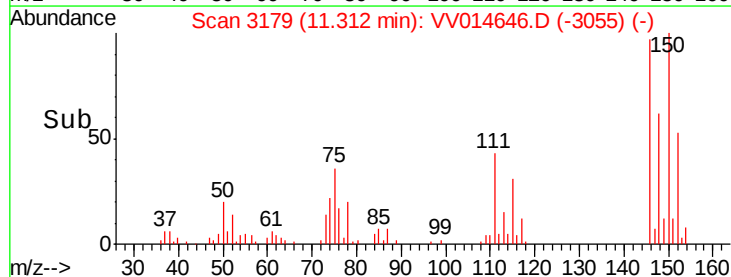
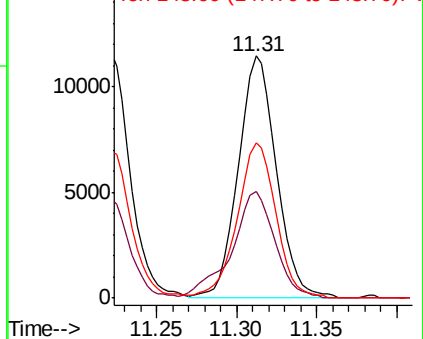
146 100

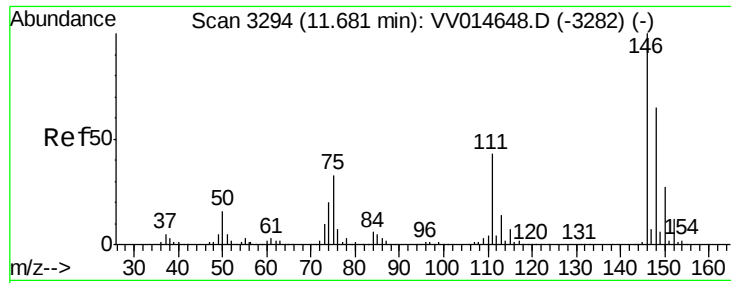
111 43.9 27.6 51.4

148 64.2 44.0 81.6



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

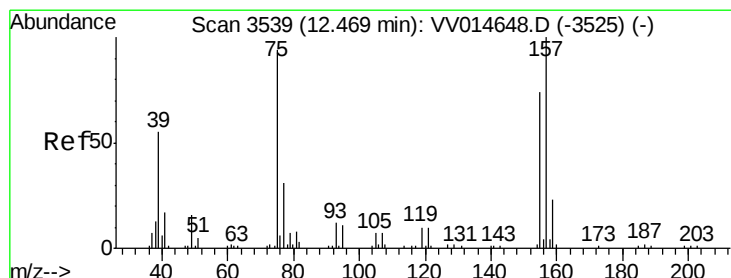
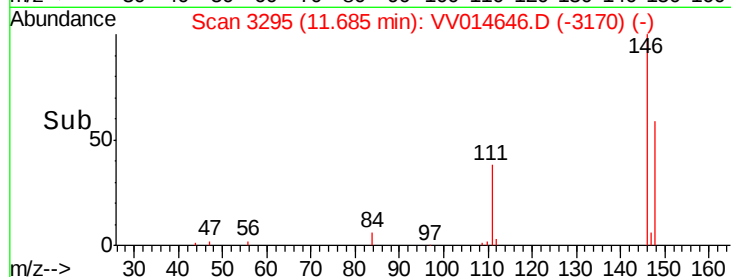
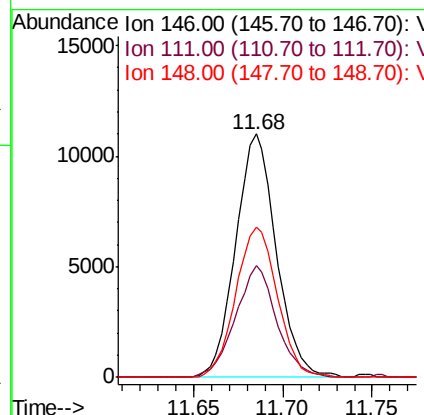
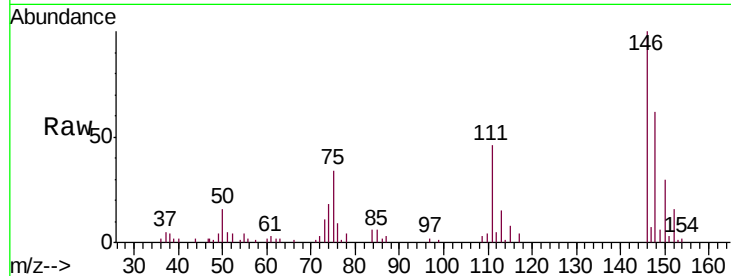




#65
 1,2-Dichlorobenzene
 Concen: 5.247 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014646.D
 Acq: 21 Feb 2020 11:43

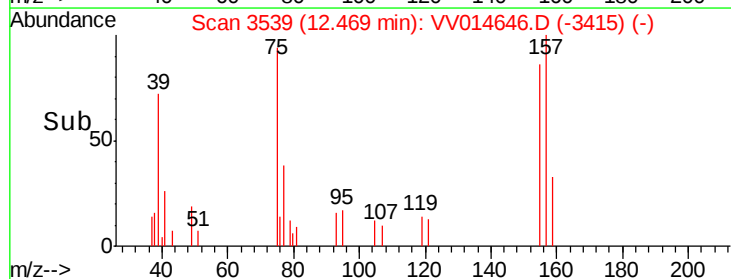
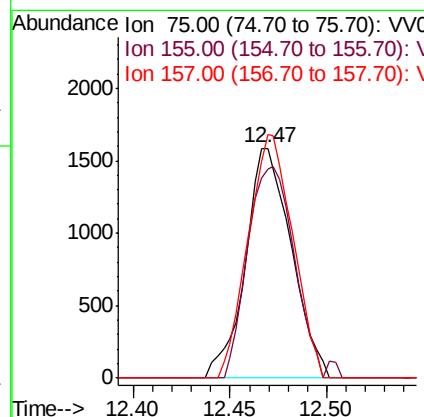
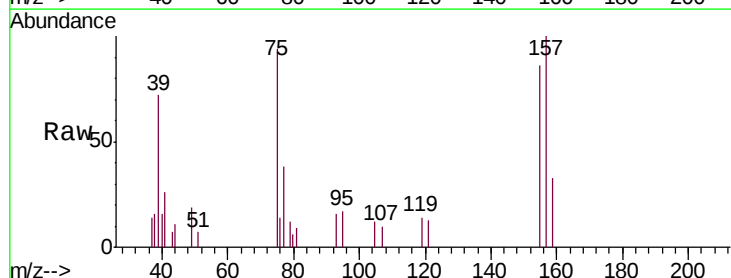
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

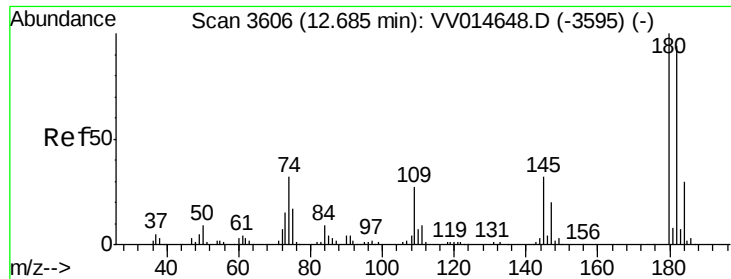
Tgt Ion: 146 Resp: 17477
 Ion Ratio Lower Upper
 146 100
 111 46.1 34.4 51.6
 148 61.7 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.780 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014646.D
 Acq: 21 Feb 2020 11:43

Tgt Ion: 75 Resp: 2629
 Ion Ratio Lower Upper
 75 100
 155 91.0 62.6 93.8
 157 105.9 84.7 127.1

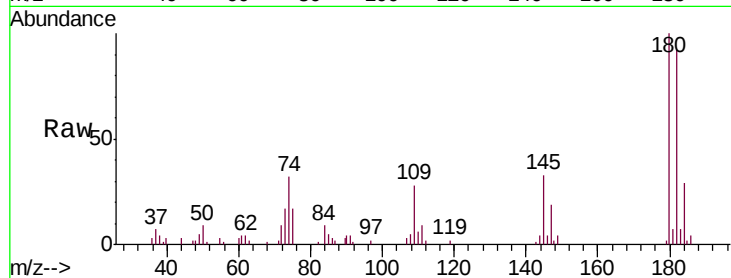




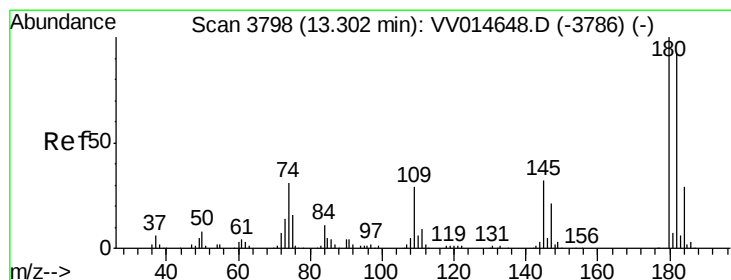
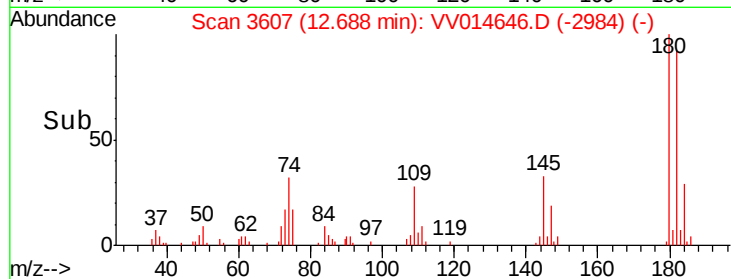
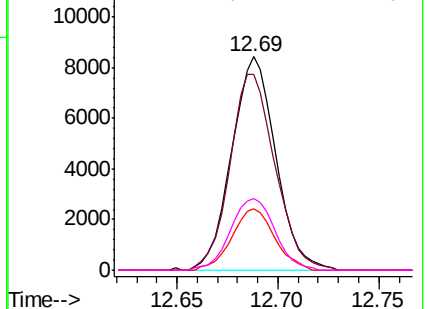
#67
 1,3,5-Trichlorobenzene
 Concen: 5.277 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014646.D
 Acq: 21 Feb 2020 11:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

Tgt Ion:180 Resp: 12912
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.9 113.9
 184 27.9 23.8 35.8
 145 33.9 25.5 38.3

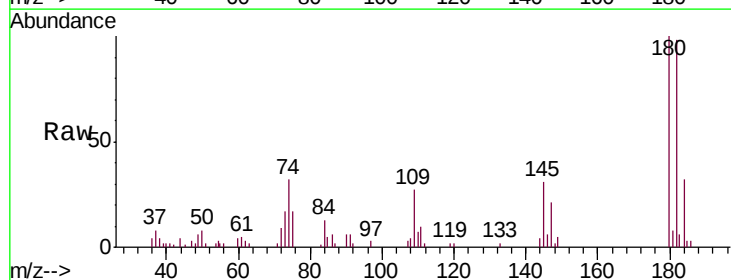


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

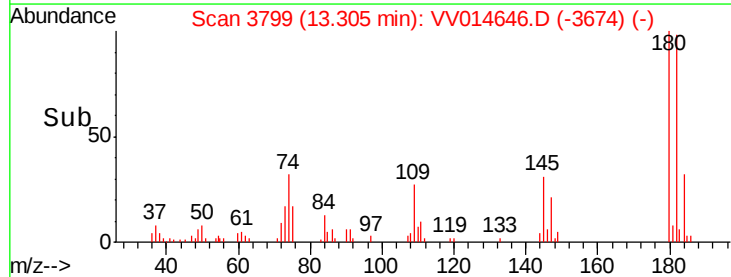
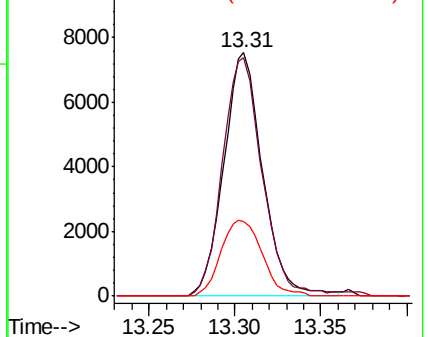


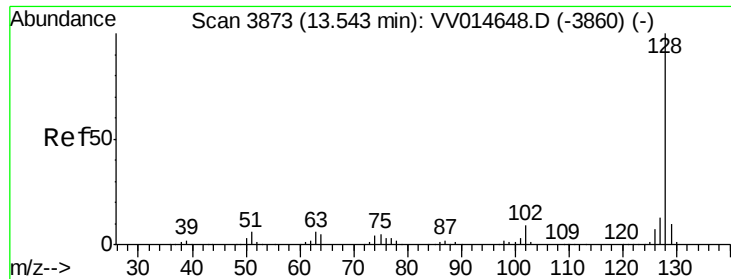
#68
 1,2,4-trichlorobenzene
 Concen: 5.257 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014646.D
 Acq: 21 Feb 2020 11:43

Tgt Ion:180 Resp: 11892
 Ion Ratio Lower Upper
 180 100
 182 99.2 75.3 112.9
 145 33.2 25.9 38.9



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: 5.817 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

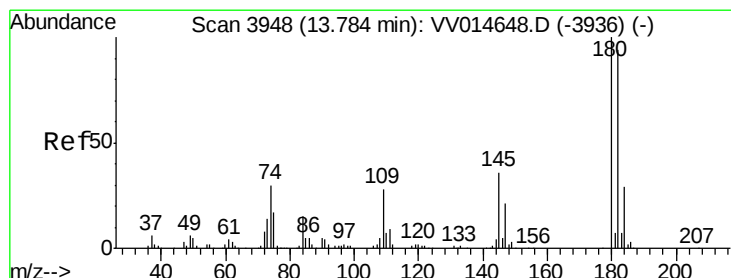
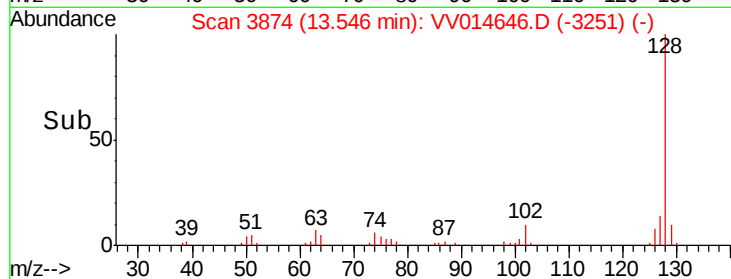
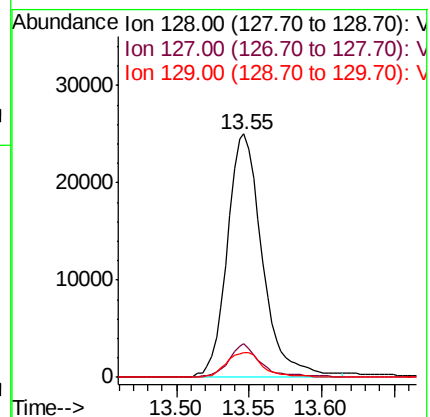
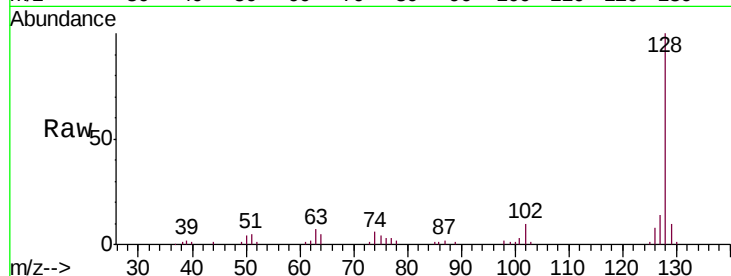
Tgt Ion:128 Resp: 42141

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.2

129 10.4 8.5 12.7



#70

1,2,3-Trichlorobenzene

Concen: 5.785 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014646.D

Acq: 21 Feb 2020 11:43

Tgt Ion:180 Resp: 12736

Ion Ratio Lower Upper

180 100

182 93.5 75.4 113.2

145 33.3 28.2 42.2

