

Data File : VV014651.D
Acq On : 21 Feb 2020 14:03
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV66

Quant Time: Feb 21 23:39:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM022120WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 21 23:36:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	245101	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	228464	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	112851	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48536	50.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.40%
7) Chloroethane-d5	1.58	69	38129	54.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.92%
11) 1,1-Dichloroethene-d2	2.13	63	89857	50.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.72%
21) 2-Butanone-d5	3.93	46	91644	102.99	ug/L	-0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.99%
24) Chloroform-d	4.40	84	157389	50.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.44%
26) 1,2-Dichloroethane-d4	5.08	65	102369	51.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.18%
32) Benzene-d6	5.10	84	318662	52.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.40%
36) 1,2-Dichloropropane-d6	6.11	67	90324	51.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.46%
41) Toluene-d8	7.36	98	298583	51.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.54%
43) trans-1,3-Dichloropropene-	7.66	79	51287	51.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.84%
47) 2-Hexanone-d5	8.13	63	75272	106.51	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.51%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	127241	52.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.16%
64) 1,2-Dichlorobenzene-d4	11.67	152	113964	51.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.22%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	85447	49.341	ug/L 100
3) Chloromethane	1.25	50	46377	50.639	ug/L 99
5) Vinyl chloride	1.32	62	46658	50.726	ug/L 98
6) Bromomethane	1.53	94	25745	47.122	ug/L 97
8) Chloroethane	1.60	64	25952	51.727	ug/L 95
9) Trichlorofluoromethane	1.77	101	100765	50.498	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	42399	51.073	ug/L 99
12) 1,1-Dichloroethene	2.14	96	37187	49.772	ug/L 93
13) Acetone	2.20	43	74568	94.380	ug/L 98
14) Carbon disulfide	2.32	76	165942	49.062	ug/L 98
15) Methyl Acetate	2.46	43	64427	49.916	ug/L 97
16) Methylene chloride	2.54	84	76485	49.072	ug/L 99
17) trans-1,2-Dichloroethene	2.79	96	72444	50.003	ug/L 98
18) Methyl tert-butyl Ether	2.80	73	242527	49.794	ug/L 100
19) 1,1-Dichloroethane	3.23	63	129667	49.656	ug/L 98
20) cis-1,2-Dichloroethene	3.96	96	84133	49.996	ug/L 98
22) 2-Butanone	4.02	43	101943	101.890	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	42118	49.302	ug/L	93
25) Chloroform	4.42	83	152337	50.149	ug/L	100
27) 1,2-Dichloroethane	5.18	62	111339	50.015	ug/L	98
29) Cyclohexane	4.73	56	107162	50.189	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	132000	49.683	ug/L	99
31) Carbon tetrachloride	4.87	117	116733	49.657	ug/L	100
33) Benzene	5.14	78	298235	50.617	ug/L	100
34) Trichloroethene	5.95	95	82872	48.318	ug/L	98
35) Methylcyclohexane	6.17	83	128172	52.353	ug/L	100
37) 1,2-Dichloropropane	6.22	63	71929	49.912	ug/L	98
38) Bromodichloromethane	6.55	83	112197	50.512	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	128276	49.842	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	178755	100.131	ug/L	99
42) Toluene	7.43	91	324182	50.890	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	119700	51.264	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	78188	50.690	ug/L	99
46) Tetrachloroethene	8.02	164	62255	50.173	ug/L	97
48) 2-Hexanone	8.18	43	143324	102.360	ug/L	99
49) Dibromochloromethane	8.29	129	93367	50.934	ug/L	96
50) 1,2-Dibromoethane	8.39	107	85003	50.017	ug/L	99
51) Chlorobenzene	8.92	112	215327	49.606	ug/L	99
52) Ethylbenzene	9.05	91	367255	50.306	ug/L	98
53) m,p-Xylene	9.18	106	141349	50.078	ug/L	99
54) o-xylene	9.58	106	139951	50.946	ug/L	98
55) Styrene	9.60	104	238378	52.046	ug/L	98
56) Isopropylbenzene	9.97	105	372244	51.259	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	119933	50.499	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	97670	50.091	ug/L	99
61) Bromoform	9.77	173	62395	50.934	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	172968	51.125	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	177226	51.186	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	172476	51.199	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	29277	51.113	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	126735	50.965	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	119799	51.359	ug/L	99
69) Naphthalene	13.54	128	396868	50.658	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	121138	50.546	ug/L	100

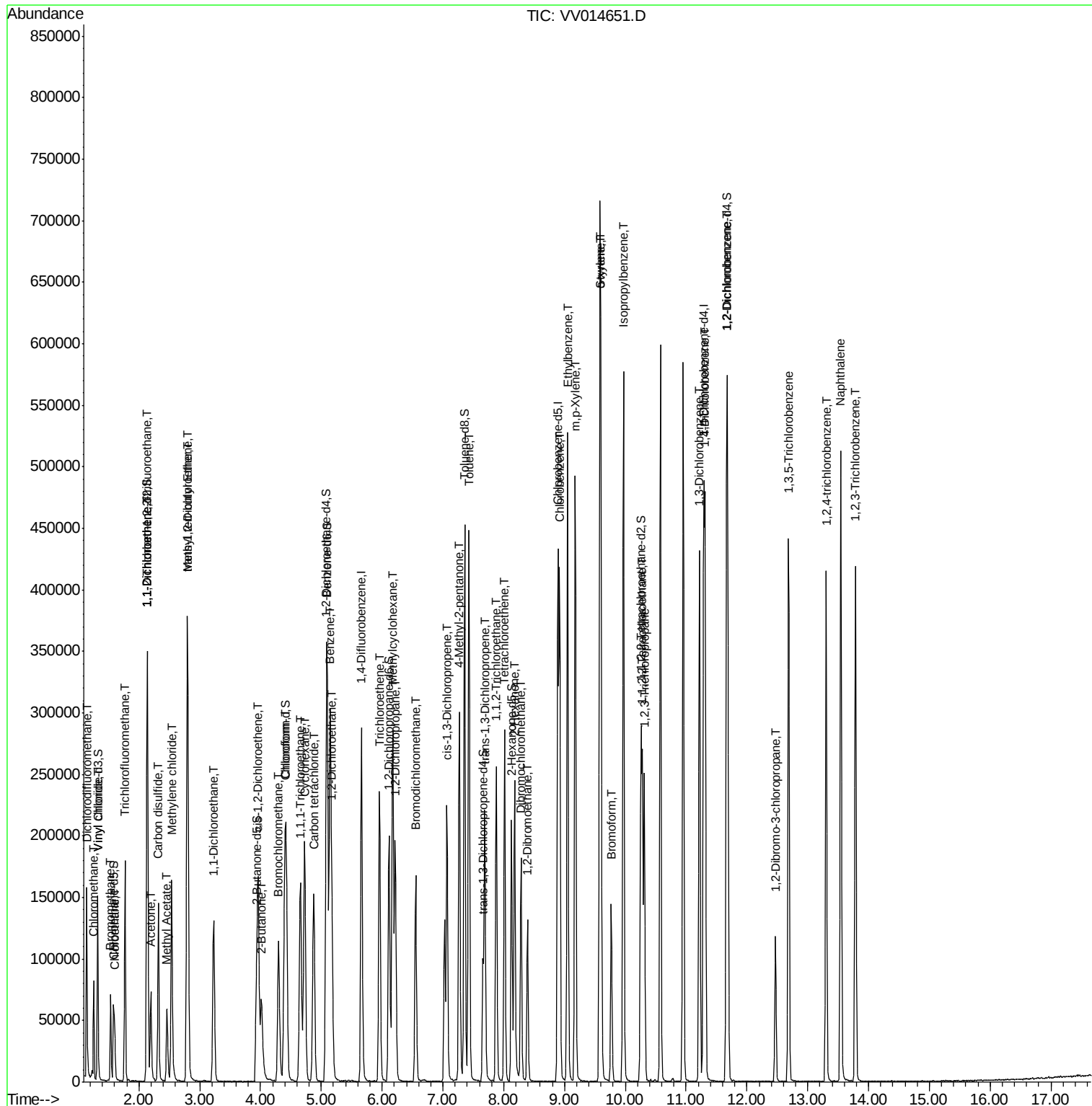
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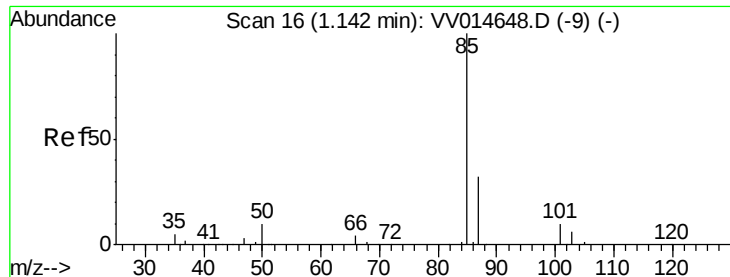
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```
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#2

Dichlorodifluoromethane

Concen: 49.341 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

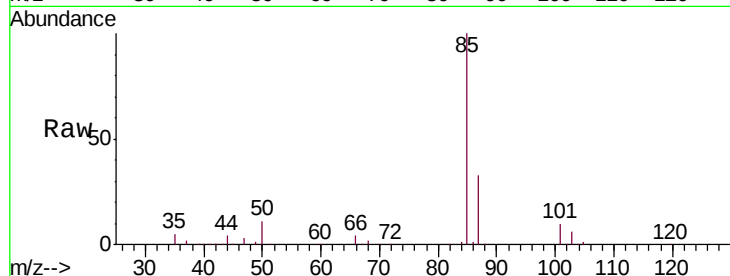
VICV66

Tgt Ion: 85 Resp: 85447

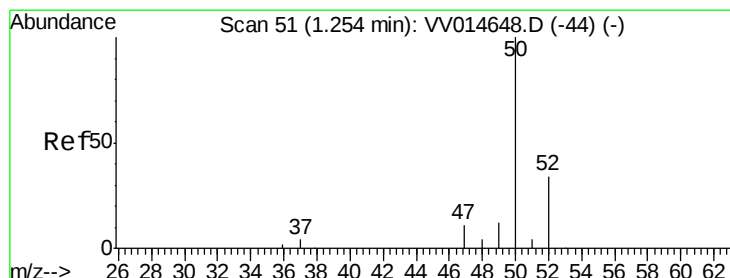
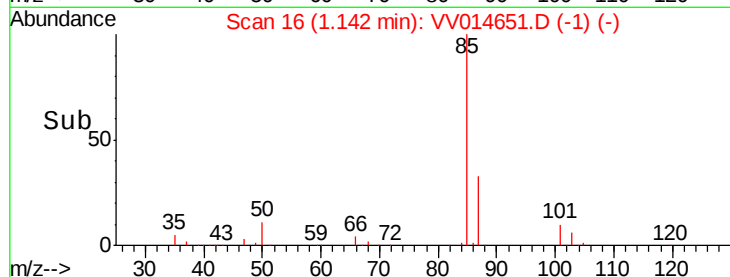
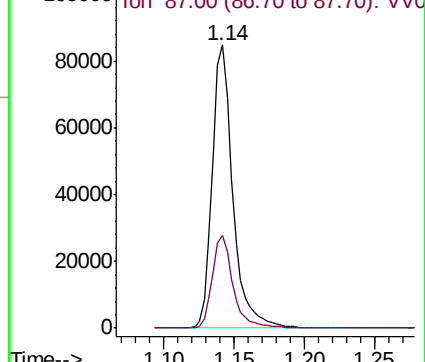
Ion Ratio Lower Upper

85 100

87 33.0 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV014648.D (-9) (-)



#3

Chloromethane

Concen: 50.639 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014651.D

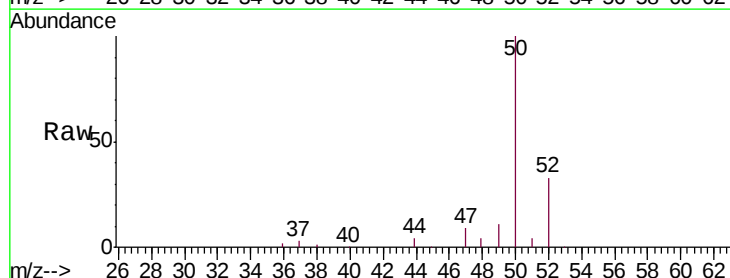
Acq: 21 Feb 2020 14:03

Tgt Ion: 50 Resp: 46377

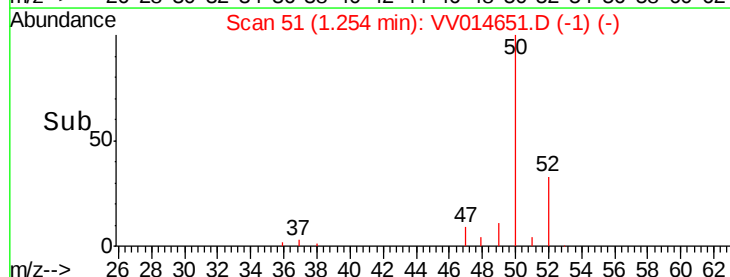
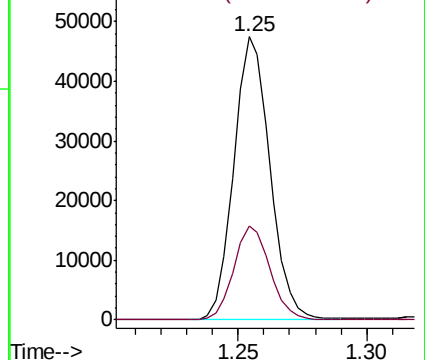
Ion Ratio Lower Upper

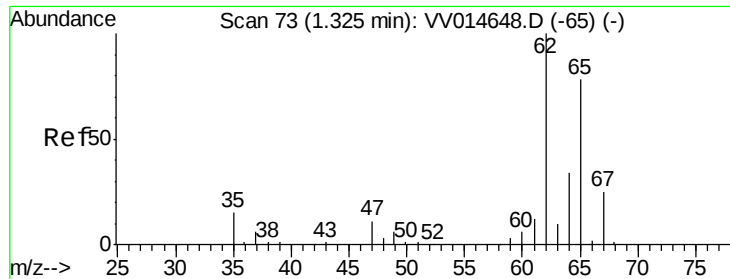
50 100

52 33.4 23.7 43.9



Abundance Ion 50.00 (49.70 to 50.70): VV014648.D (-44) (-)

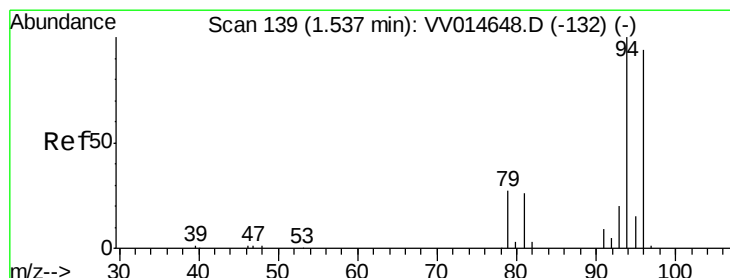
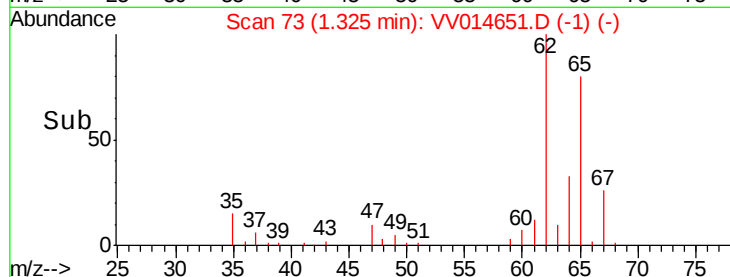
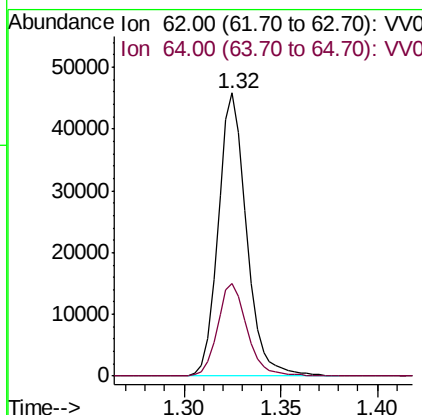
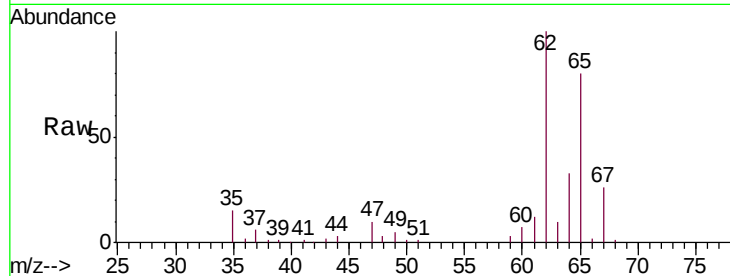




#5
 Vinyl chloride
 Concen: 50.726 ug/L
 RT: 1.32 min Scan# 73
 Delta R.T. 0.00 min
 Lab File: VV014651.D
 Acq: 21 Feb 2020 14:03

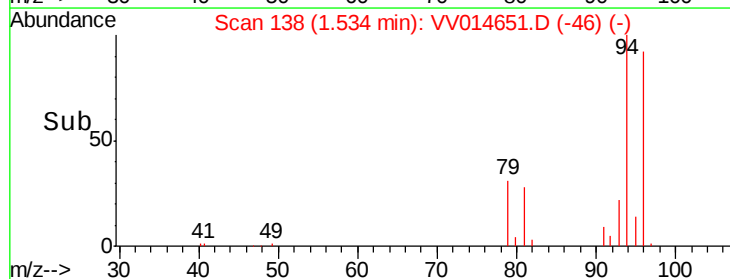
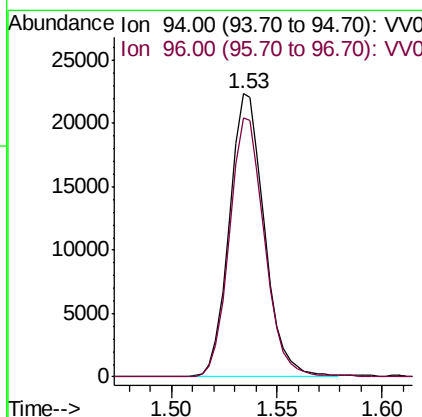
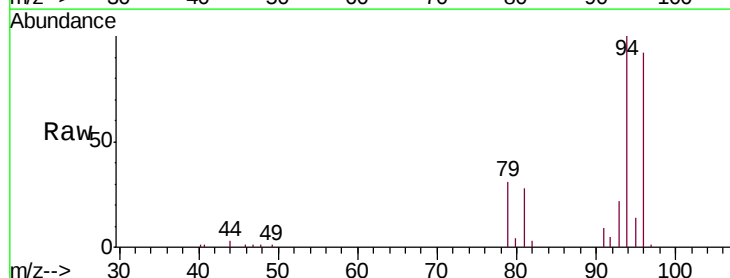
Instrument :
 MSVOA_V
 ClientSampled :
 VICV66

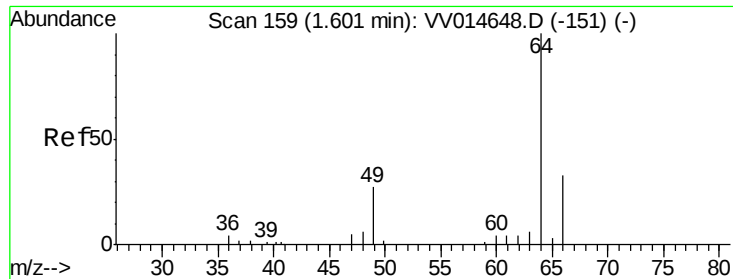
Tgt Ion: 62 Resp: 46658
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.8 44.2



#6
 Bromomethane
 Concen: 47.122 ug/L
 RT: 1.53 min Scan# 138
 Delta R.T. -0.00 min
 Lab File: VV014651.D
 Acq: 21 Feb 2020 14:03

Tgt Ion: 94 Resp: 25745
 Ion Ratio Lower Upper
 94 100
 96 91.7 66.1 122.7





#8

Chloroethane

Concen: 51.727 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

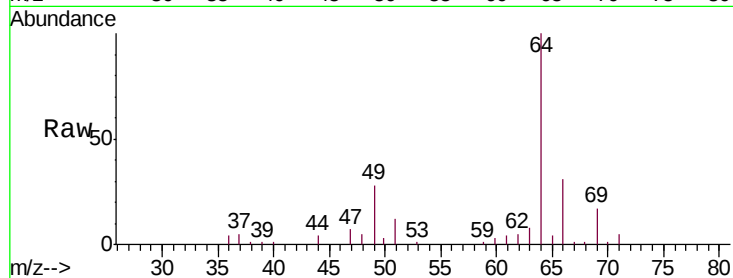
VICV66

Tgt Ion: 64 Resp: 25952

Ion Ratio Lower Upper

64 100

66 30.6 23.2 43.2



Abundance Ion 64.00 (63.70 to 64.70): VV014648.D (-151) (-)

Ion 66.00 (65.70 to 66.70): VV014648.D (-151) (-)

1.60

20000

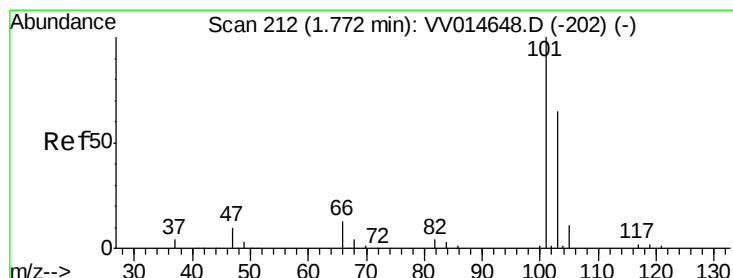
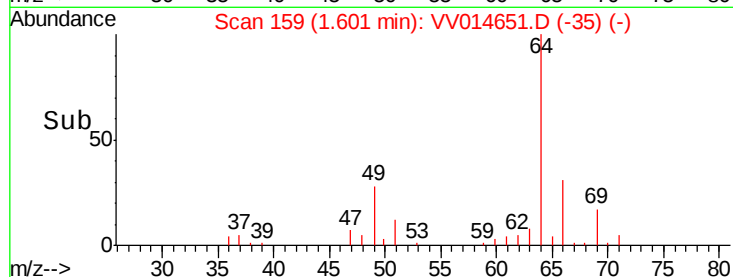
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 50.498 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014651.D

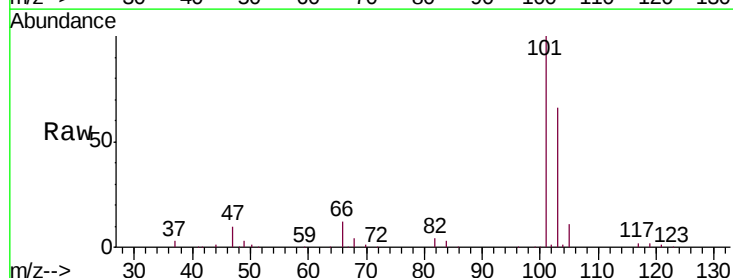
Acq: 21 Feb 2020 14:03

Tgt Ion: 101 Resp: 100765

Ion Ratio Lower Upper

101 100

103 65.5 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV014648.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV014648.D (-202) (-)

1.77

80000

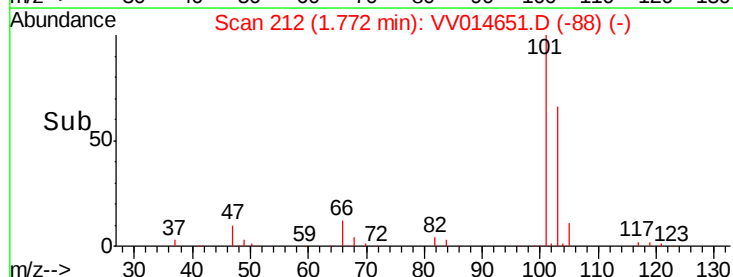
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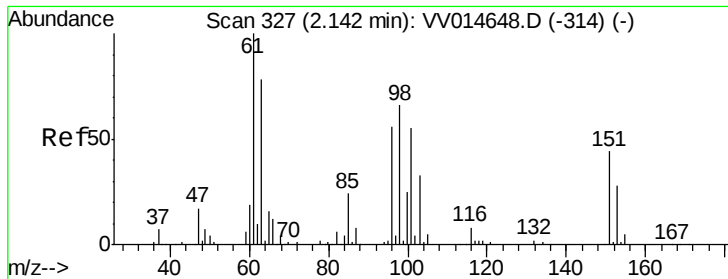
40000

20000

0

Time-->





#10

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

Concen: 51.073 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

VICV66

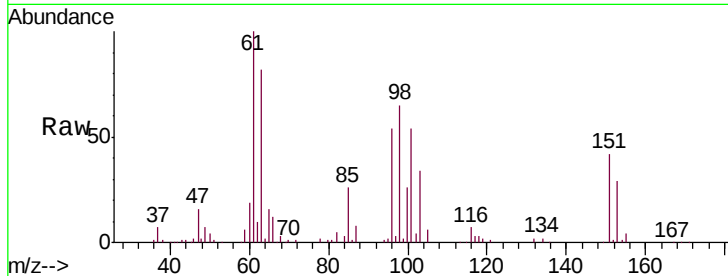
Tgt Ion: 101 Resp: 42399

Ion Ratio Lower Upper

101 100

85 47.8 37.3 55.9

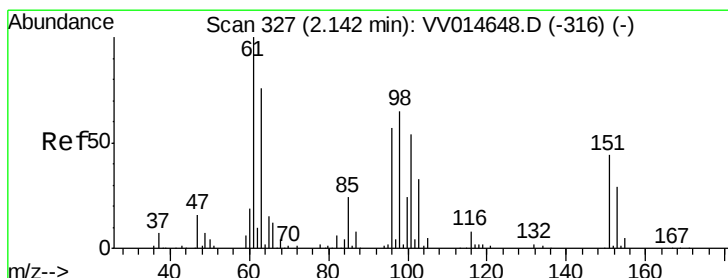
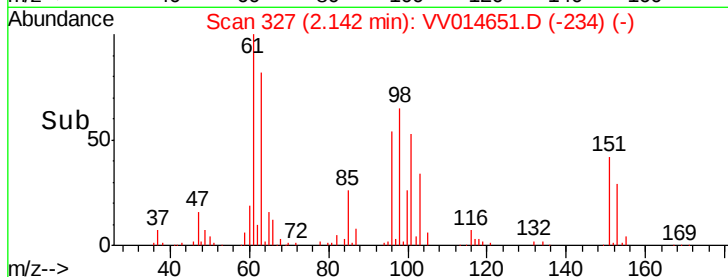
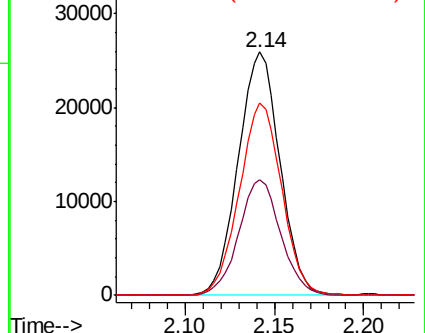
151 80.1 64.6 96.8



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: 49.772 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

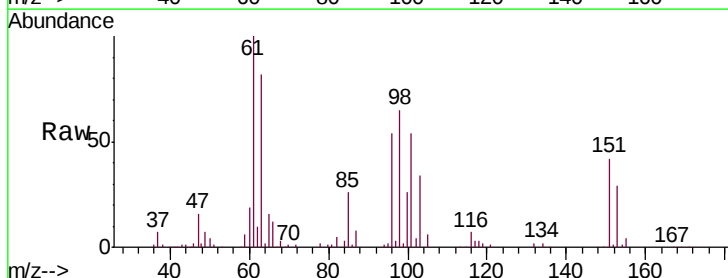
Tgt Ion: 96 Resp: 37187

Ion Ratio Lower Upper

96 100

61 184.3 124.5 231.1

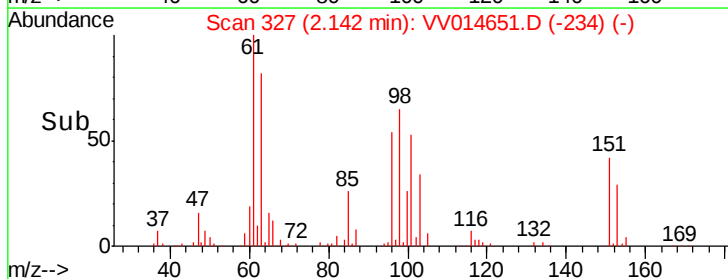
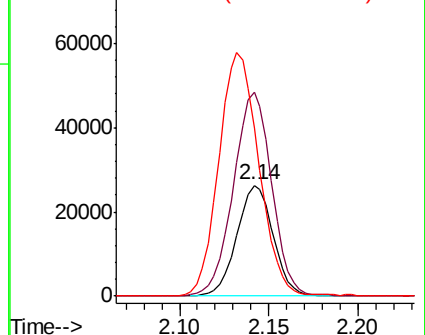
63 151.9 98.1 182.1

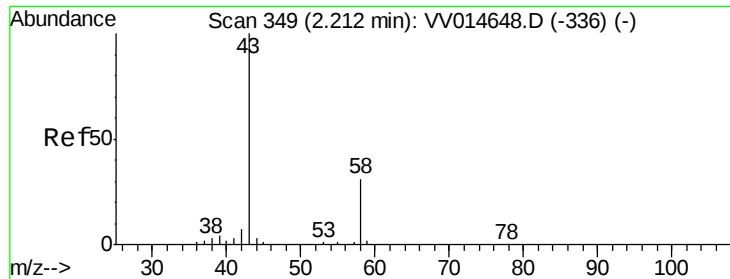


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 94.380 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.02 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

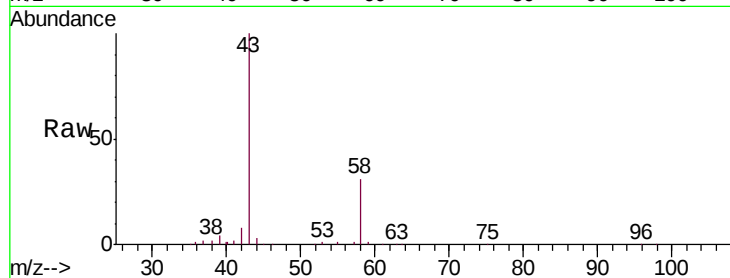
VICV66

Tgt Ion: 43 Resp: 74568

Ion Ratio Lower Upper

43 100

58 32.4 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VV014648.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VV014648.D (-336) (-)

2.20

50000

40000

30000

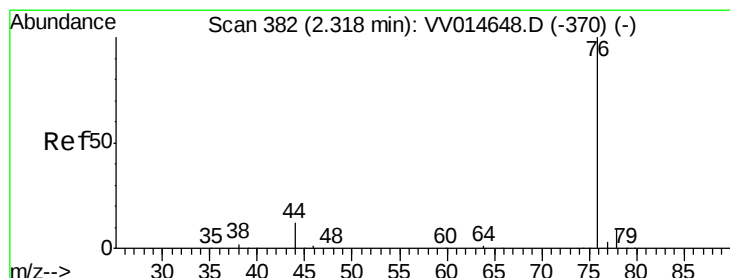
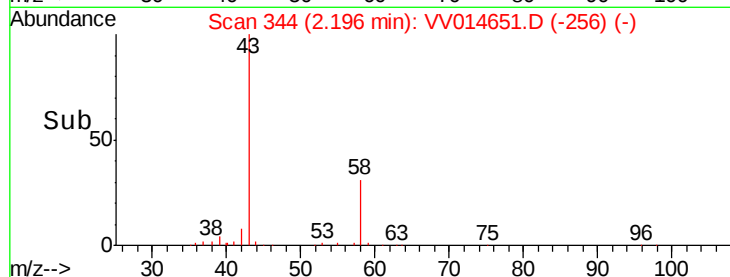
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10000

0

Time-->

2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 49.062 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV014651.D

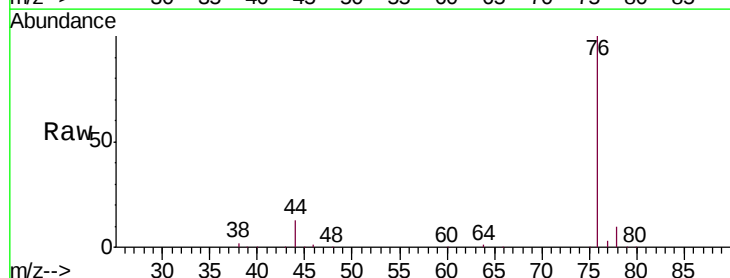
Acq: 21 Feb 2020 14:03

Tgt Ion: 76 Resp: 165942

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV014648.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV014648.D (-370) (-)

2.32

120000

100000

80000

60000

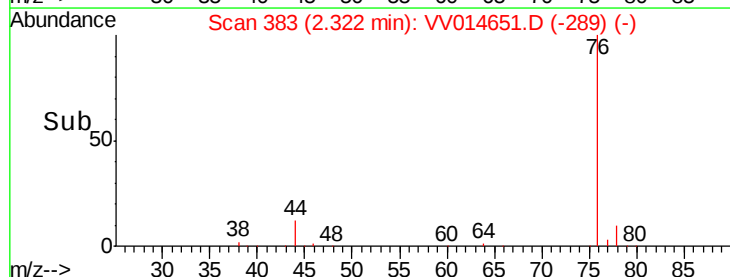
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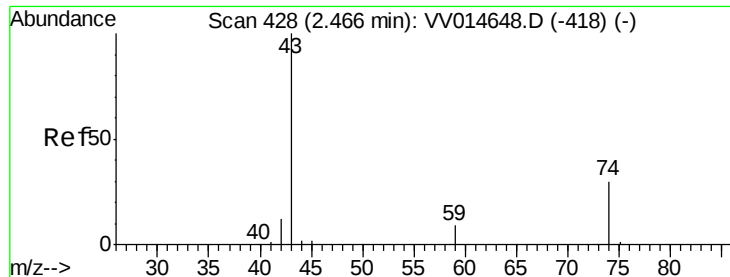
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0

Time-->

2.25 2.30 2.35 2.40

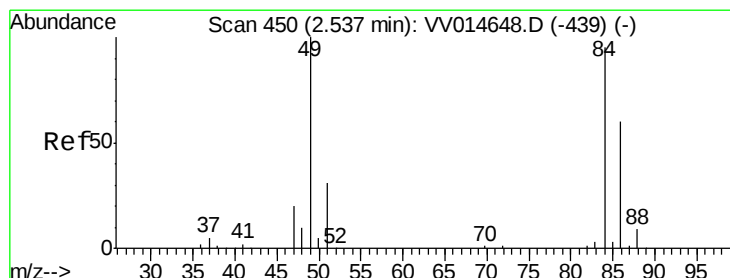
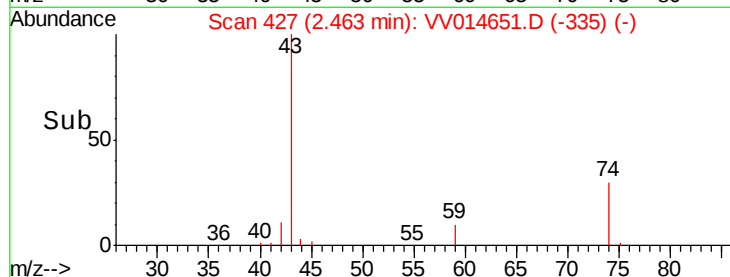
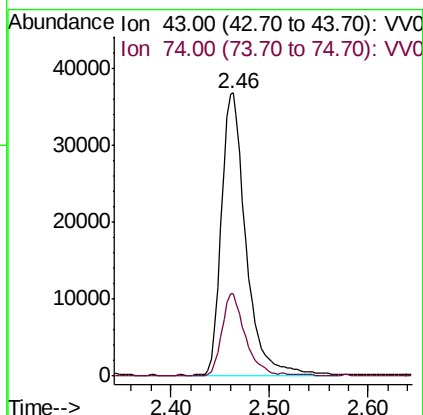
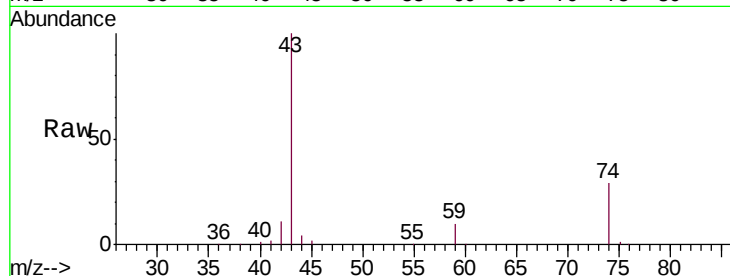




#15
Methyl Acetate
Concen: 49.916 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VV014651.D
Acq: 21 Feb 2020 14:03

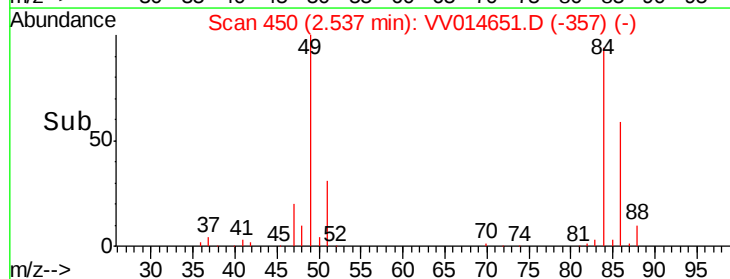
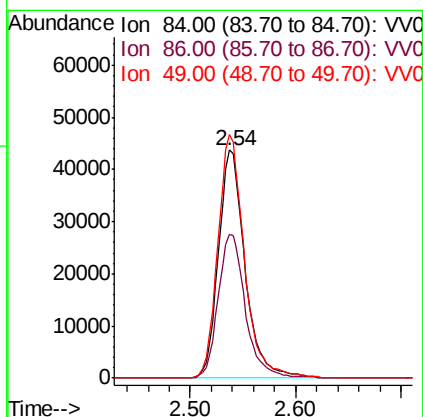
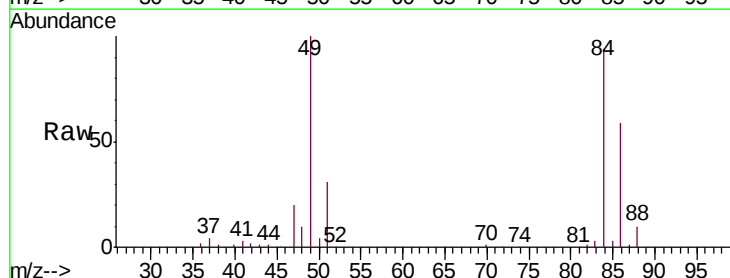
Instrument :
MSVOA_V
ClientSampleId :
VICV66

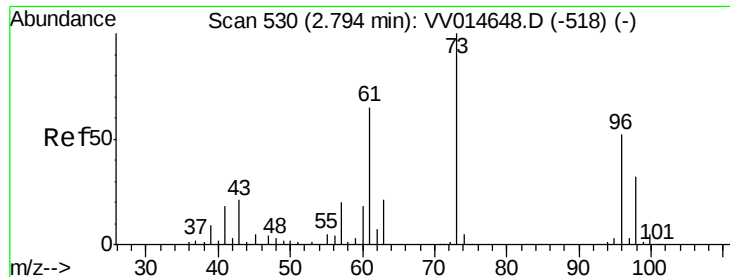
Tgt Ion: 43 Resp: 64427
Ion Ratio Lower Upper
43 100
74 27.6 23.4 35.2



#16
Methylene chloride
Concen: 49.072 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014651.D
Acq: 21 Feb 2020 14:03

Tgt Ion: 84 Resp: 76485
Ion Ratio Lower Upper
84 100
86 63.2 44.4 82.4
49 106.9 73.6 136.8





#17

trans-1,2-Dichloroethene

Concen: 50.003 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

VICV66

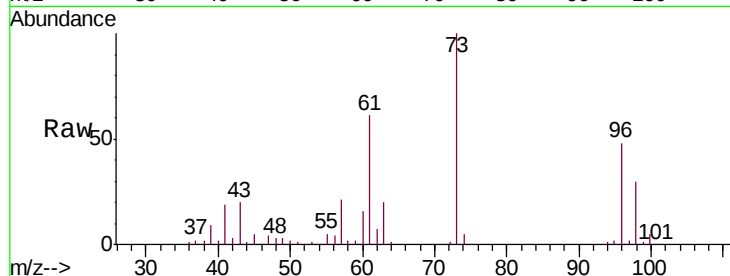
Tgt Ion: 96 Resp: 72444

Ion Ratio Lower Upper

96 100

61 128.4 88.1 163.7

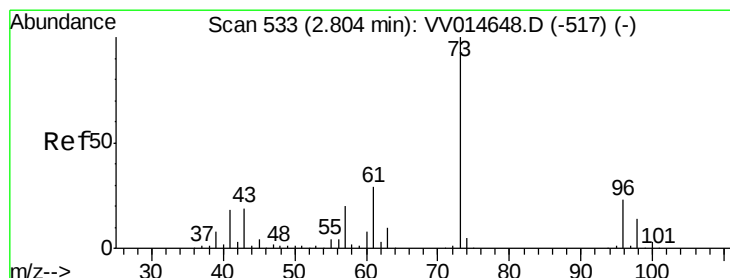
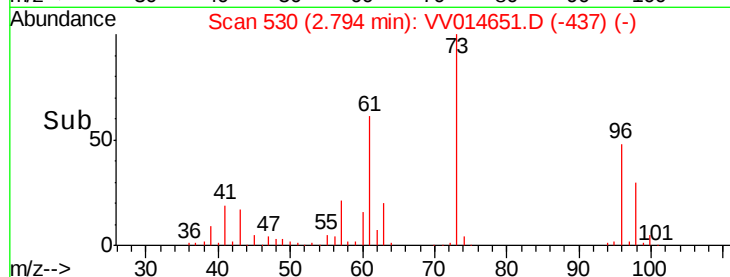
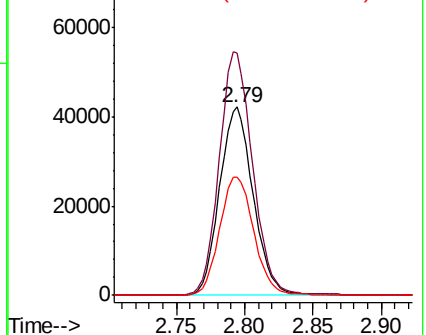
98 63.1 43.7 81.1



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: 49.794 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

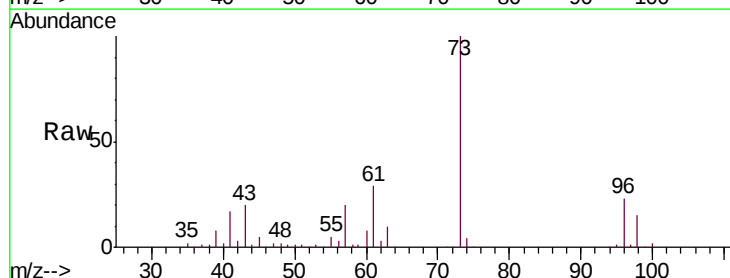
Tgt Ion: 73 Resp: 242527

Ion Ratio Lower Upper

73 100

43 19.3 15.6 23.4

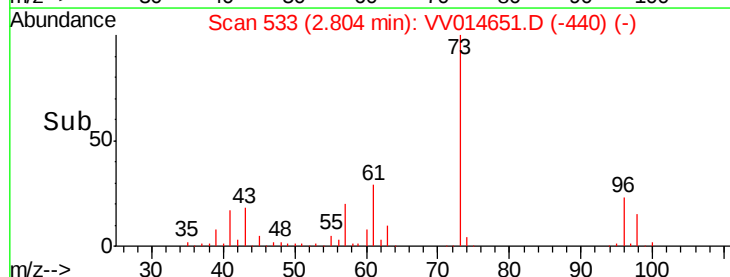
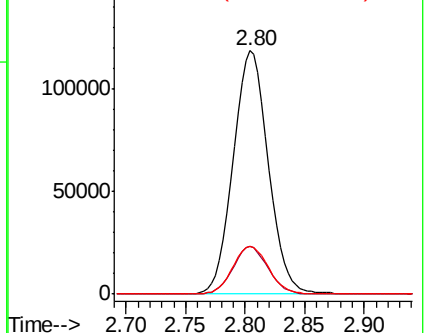
57 20.0 16.1 24.1

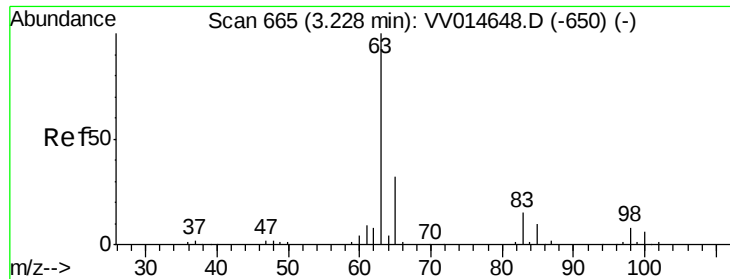


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

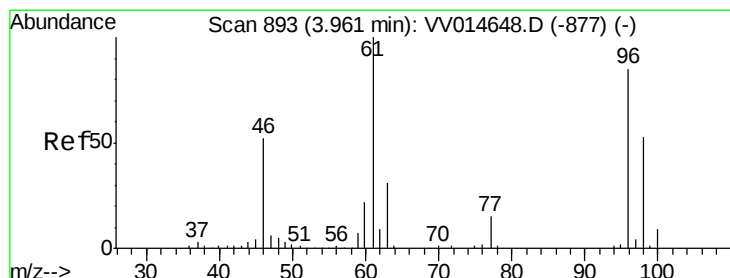
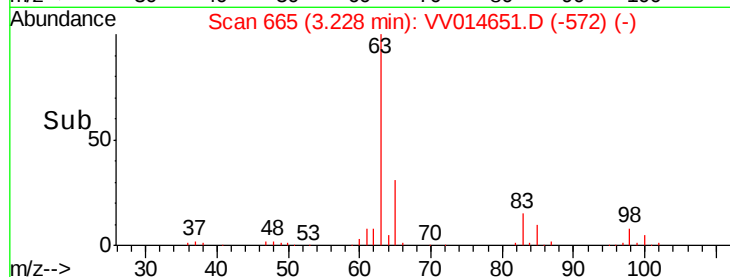
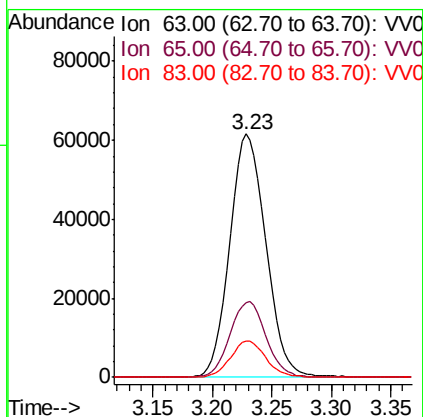
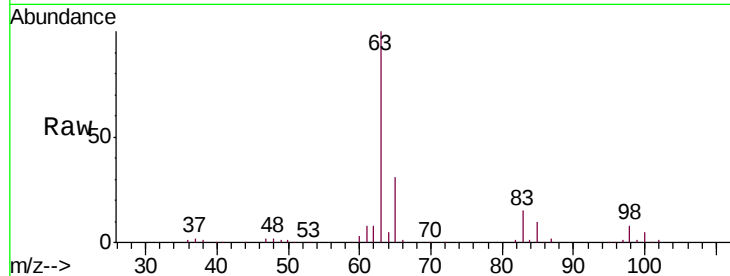




#19
 1,1-Dichloroethane
 Concen: 49.656 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014651.D
 Acq: 21 Feb 2020 14:03

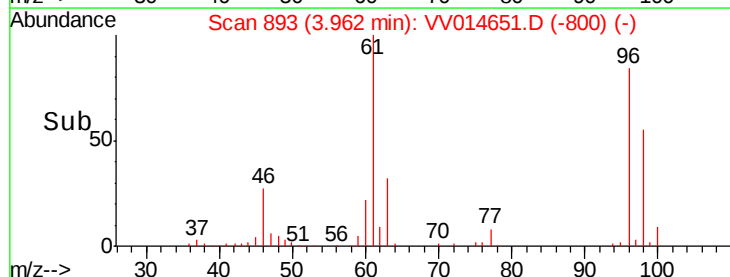
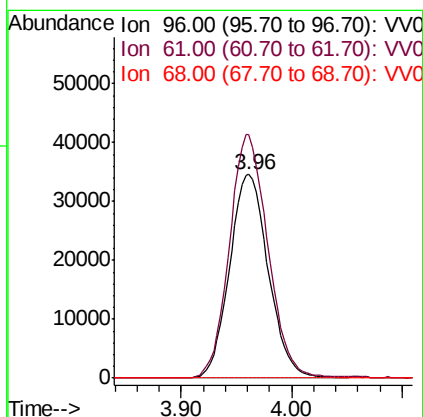
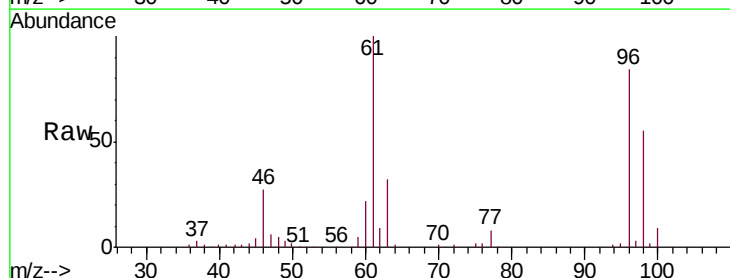
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

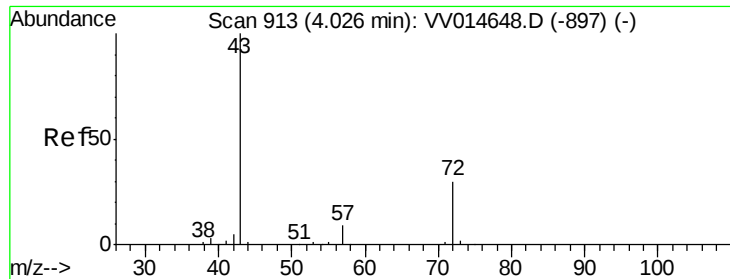
Tgt Ion: 63 Resp: 129667
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.6 42.0
 83 15.0 10.3 19.1



#20
 cis-1,2-Dichloroethene
 Concen: 49.996 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV014651.D
 Acq: 21 Feb 2020 14:03

Tgt Ion: 96 Resp: 84133
 Ion Ratio Lower Upper
 96 100
 61 119.7 82.4 153.0
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 101.890 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.01 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

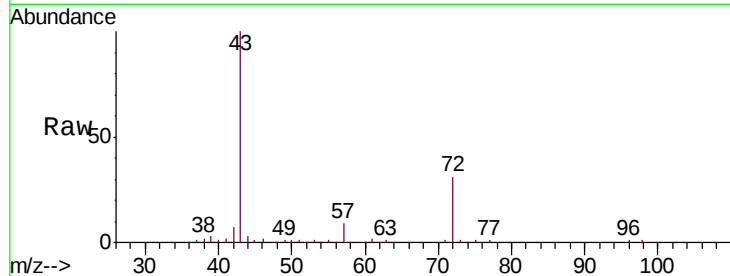
VICV66

Tgt Ion: 43 Resp: 101943

Ion Ratio Lower Upper

43 100

72 29.8 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) (-)

4.02

40000

30000

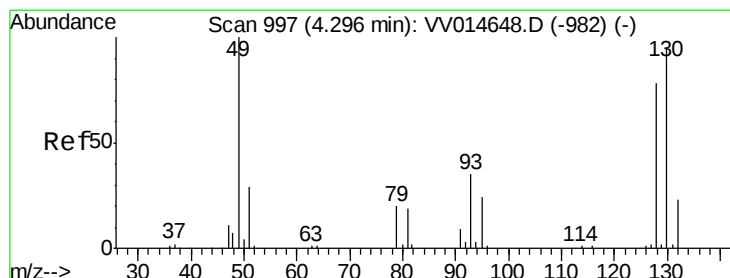
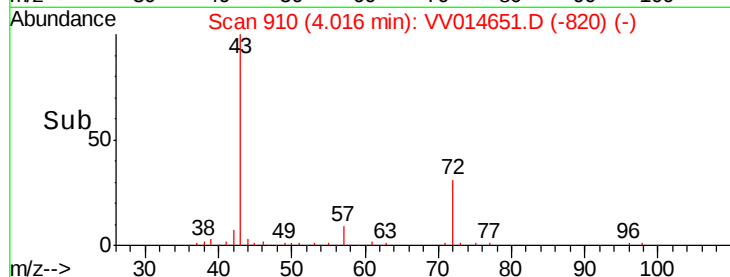
20000

10000

0

Time-->

3.90 4.00 4.10 4.20



#23

Bromochloromethane

Concen: 49.302 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

Tgt Ion: 128 Resp: 42118

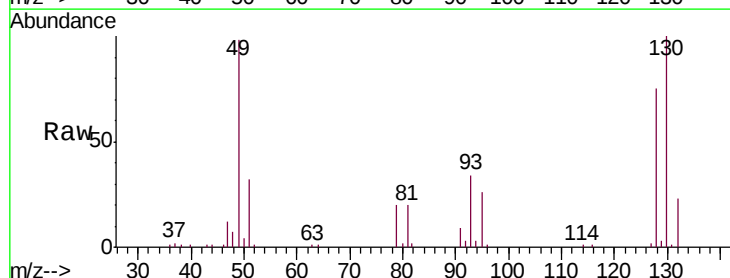
Ion Ratio Lower Upper

128 100

49 130.8 89.7 166.5

130 132.9 85.0 158.0

51 43.1 30.0 45.0



Abundance Ion 128.00 (127.70 to 128.70): VV014651.D (-904) (-)

Ion 49.00 (48.70 to 49.70): VV014651.D (-904) (-)

Ion 130.00 (129.70 to 130.70): VV014651.D (-904) (-)

Ion 51.00 (50.70 to 51.70): VV014651.D (-904) (-)

4.30

30000

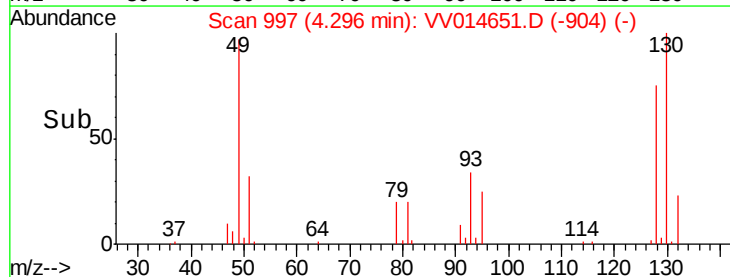
20000

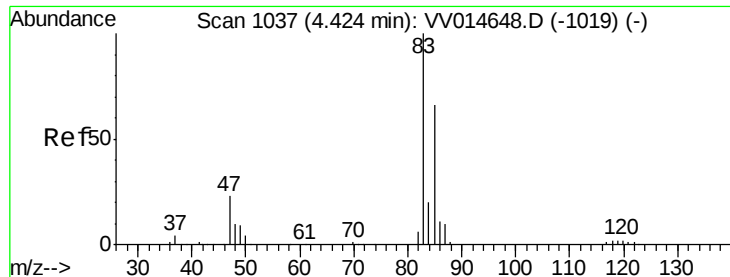
10000

0

Time-->

4.20 4.25 4.30 4.35 4.40

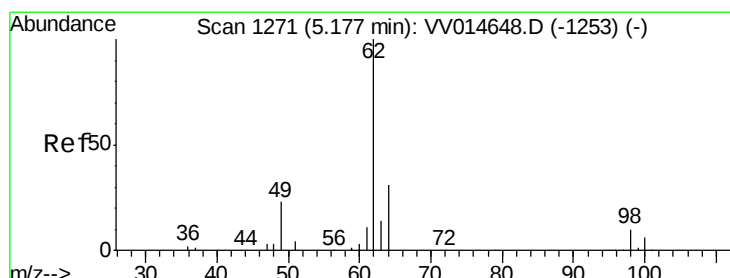
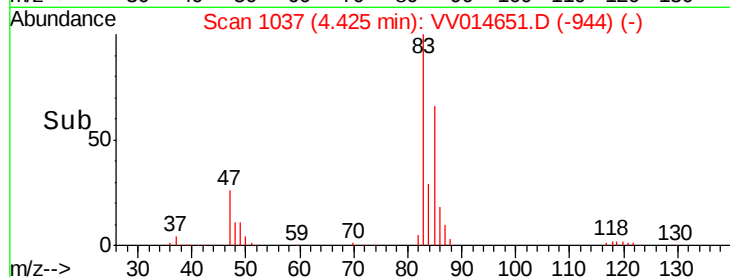
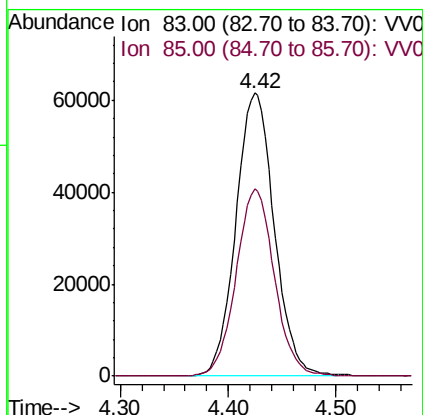
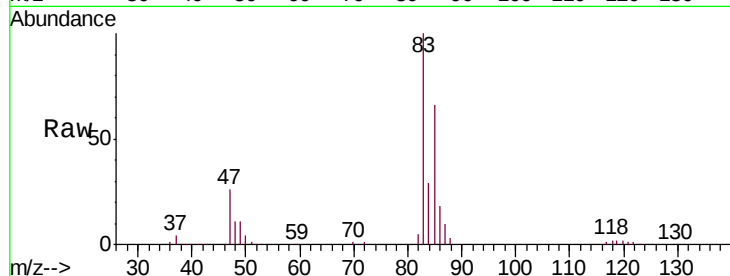




#25
Chloroform
Concen: 50.149 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014651.D
Acq: 21 Feb 2020 14:03

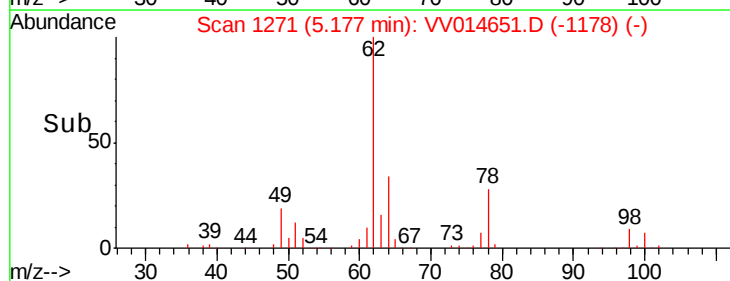
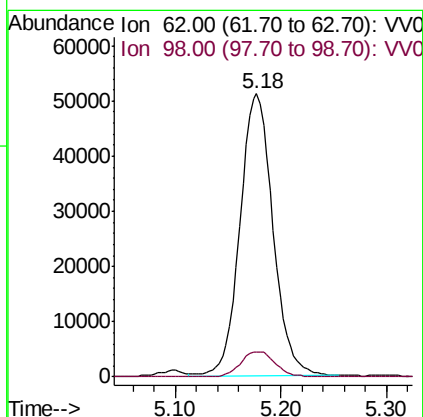
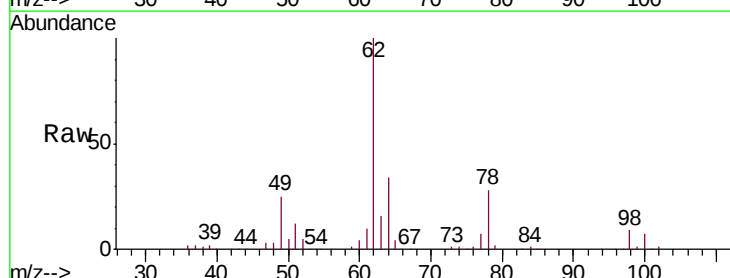
Instrument :
MSVOA_V
ClientSampleId :
VICV66

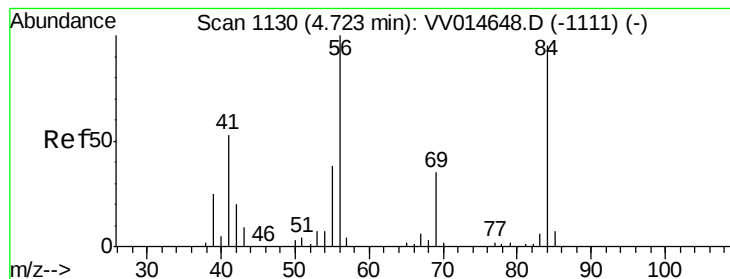
Tgt Ion: 83 Resp: 152337
Ion Ratio Lower Upper
83 100
85 66.0 46.1 85.7



#27
1,2-Dichloroethane
Concen: 50.015 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV014651.D
Acq: 21 Feb 2020 14:03

Tgt Ion: 62 Resp: 111339
Ion Ratio Lower Upper
62 100
98 8.9 7.8 11.6





#29

Cyclohexane

Concen: 50.189 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

VICV66

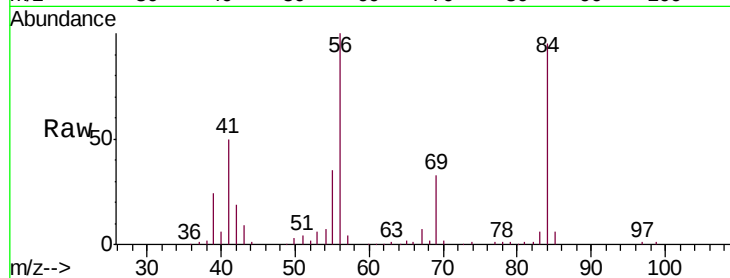
Tgt Ion: 56 Resp: 107162

Ion Ratio Lower Upper

56 100

69 33.7 26.9 40.3

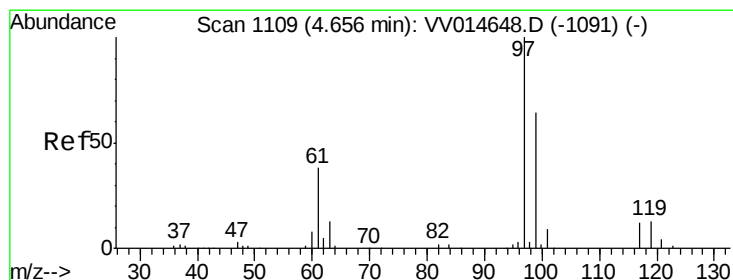
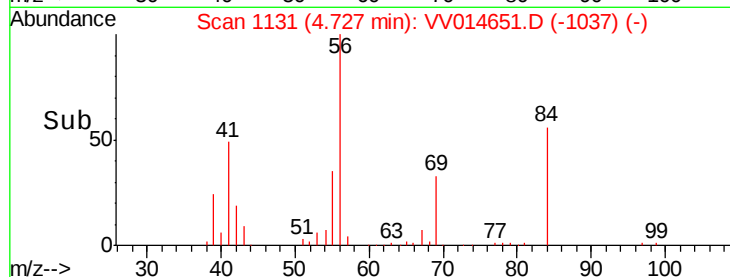
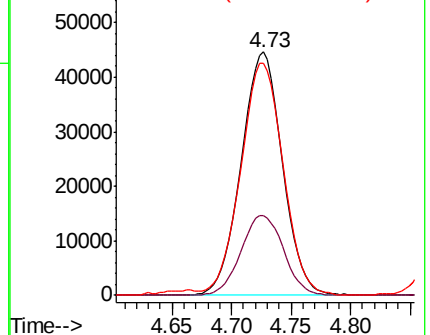
84 98.0 78.2 117.2



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 49.683 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

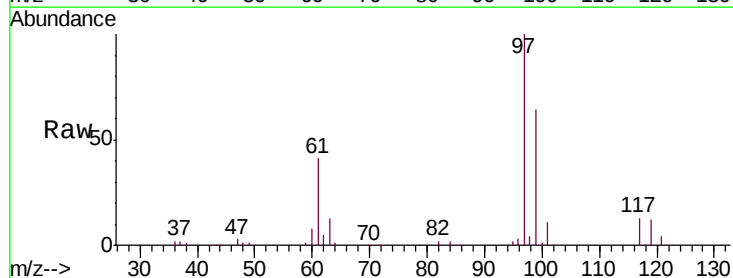
Tgt Ion: 97 Resp: 132000

Ion Ratio Lower Upper

97 100

99 64.2 52.0 78.0

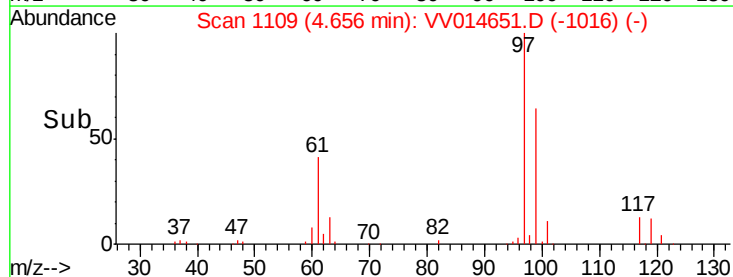
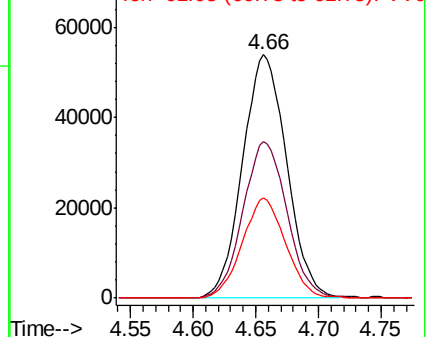
61 40.5 31.4 47.0

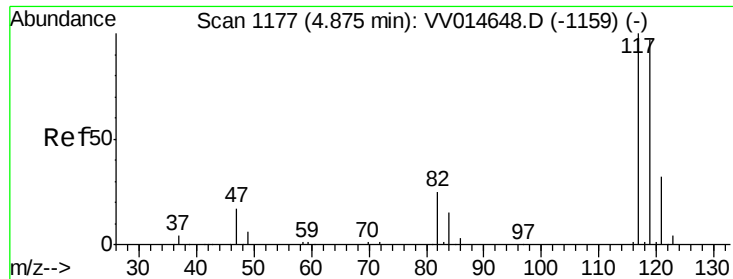


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

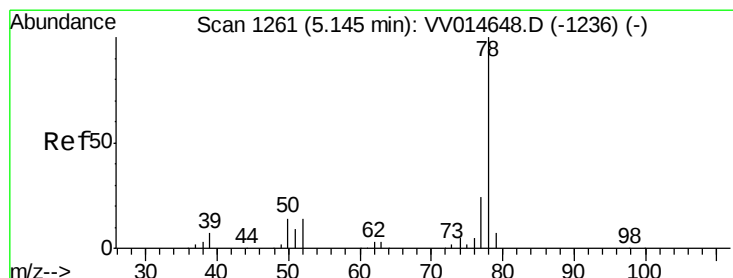
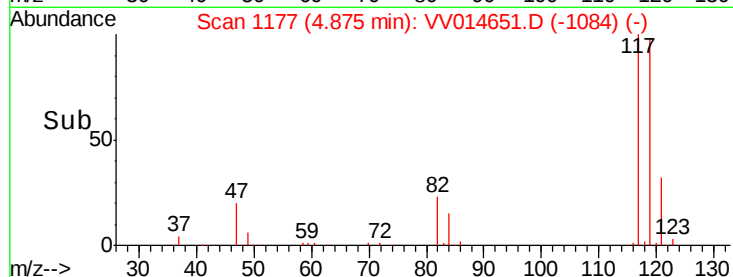
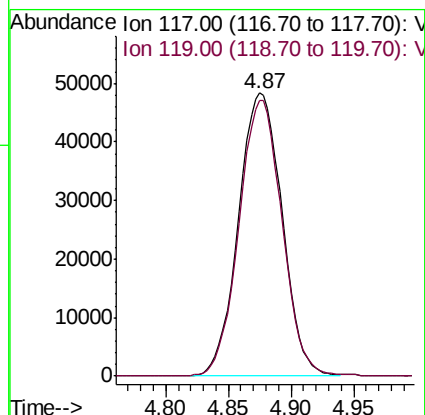
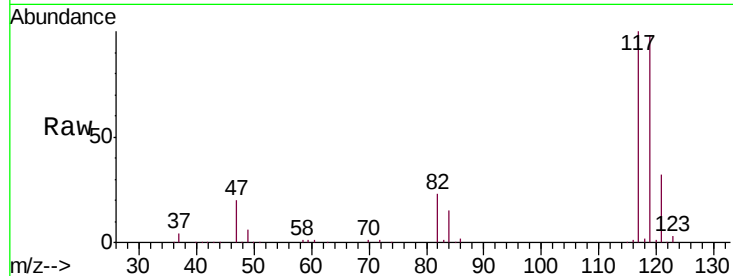




#31
Carbon tetrachloride
Concen: 49.657 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV014651.D
Acq: 21 Feb 2020 14:03

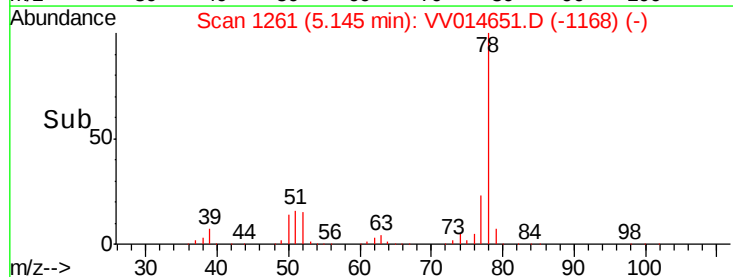
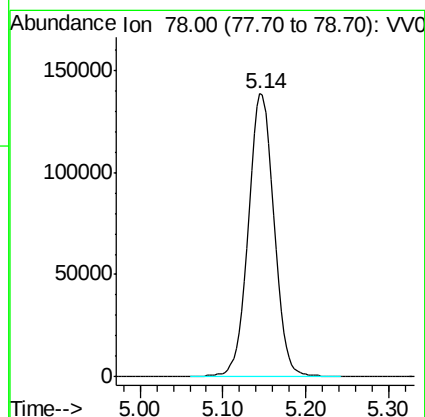
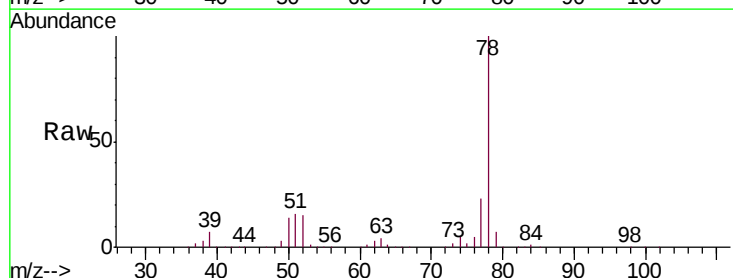
Instrument :
MSVOA_V
ClientSampled :
VICV66

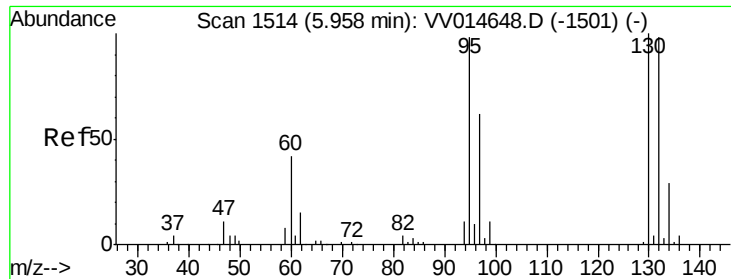
Tgt Ion:117 Resp: 116733
Ion Ratio Lower Upper
117 100
119 96.4 76.9 115.3



#33
Benzene
Concen: 50.617 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV014651.D
Acq: 21 Feb 2020 14:03

Tgt Ion: 78 Resp: 298235





#34

Trichloroethene

Concen: 48.318 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

VICV66

Tgt Ion: 95 Resp: 82872

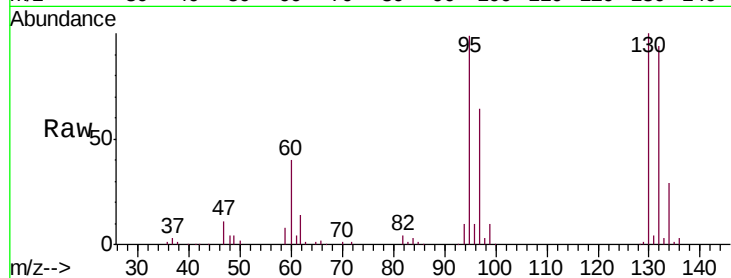
Ion Ratio Lower Upper

95 100

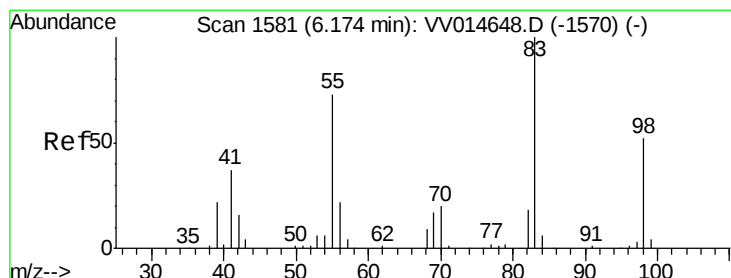
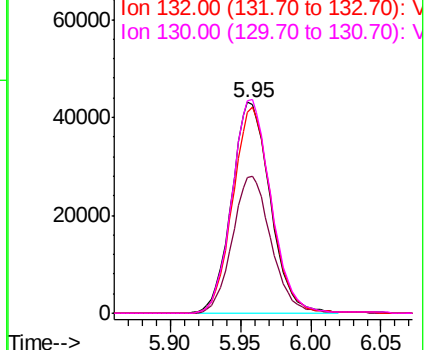
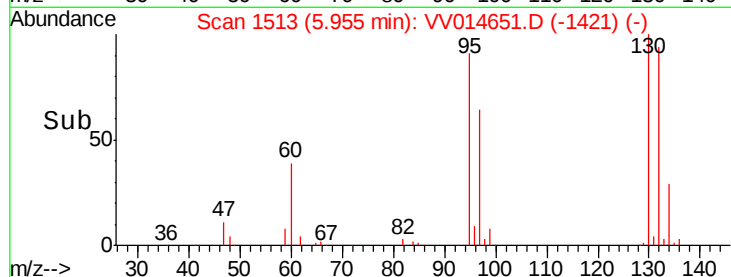
97 64.1 44.3 82.3

132 95.0 69.7 129.4

130 100.9 71.3 132.5



Abundance Ion 95.00 (94.70 to 95.70): VV014651.D (-1421) (-)



#35

Methylcyclohexane

Concen: 52.353 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

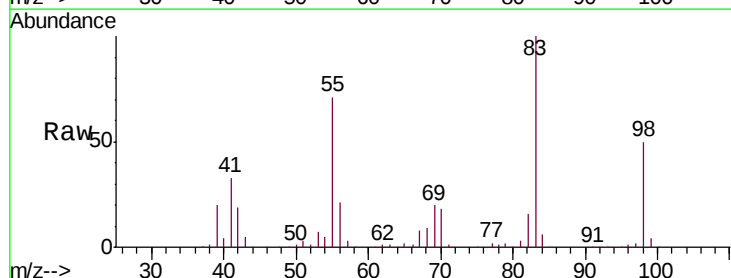
Tgt Ion: 83 Resp: 128172

Ion Ratio Lower Upper

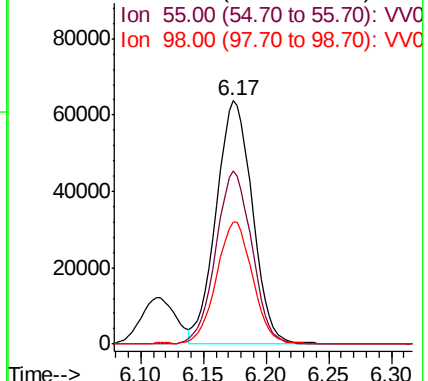
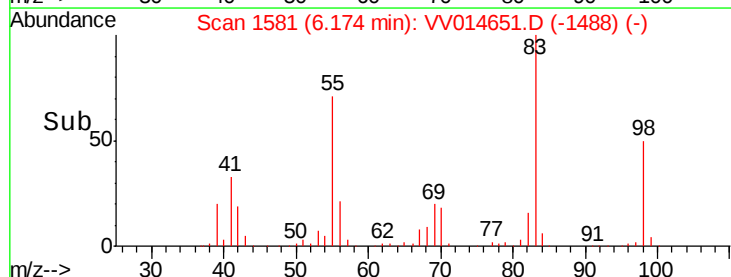
83 100

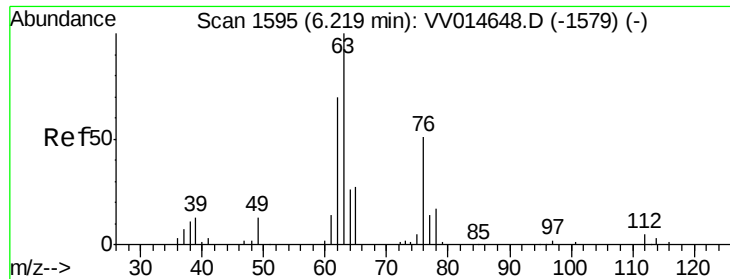
55 70.1 56.1 84.1

98 50.0 40.4 60.6



Abundance Ion 83.00 (82.70 to 83.70): VV014651.D (-1488) (-)





#37

1,2-Dichloropropane

Concen: 49.912 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

Instrument :

MSVOA_V

ClientSampled :

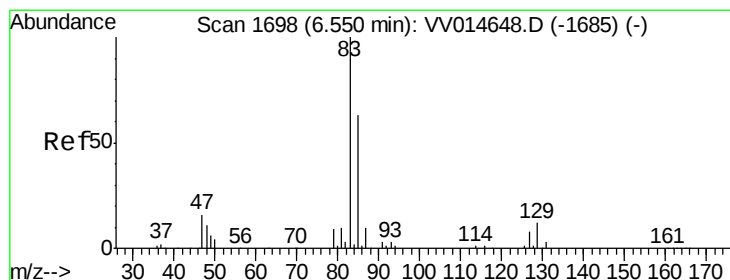
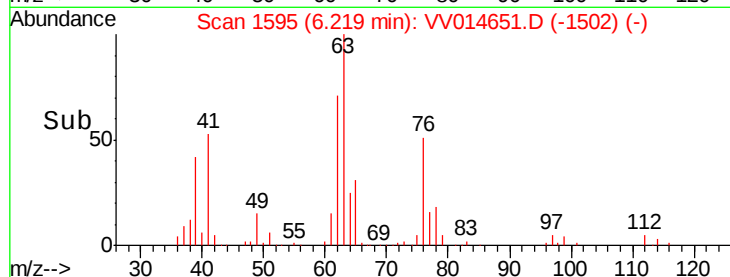
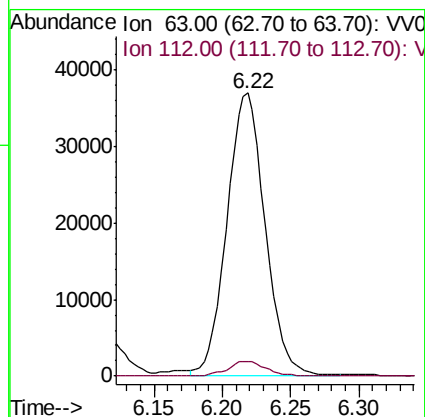
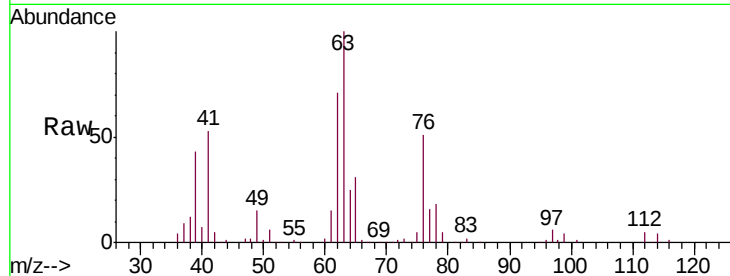
VICV66

Tgt Ion: 63 Resp: 71929

Ion Ratio Lower Upper

63 100

112 5.2 3.8 5.6



#38

Bromodichloromethane

Concen: 50.512 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

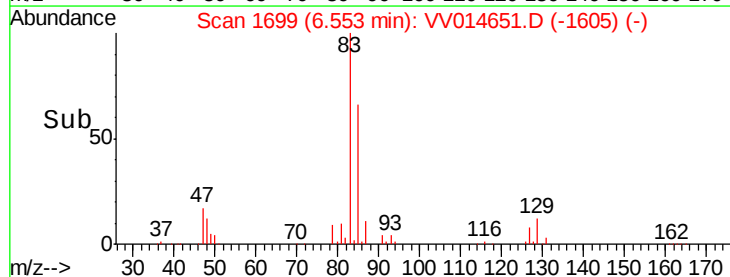
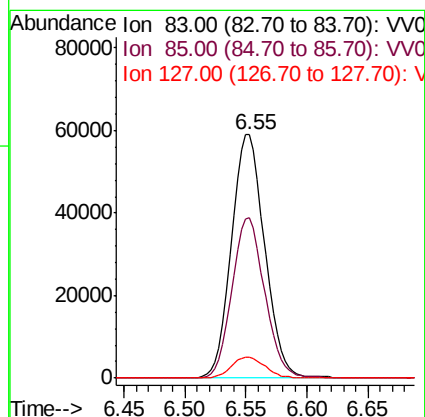
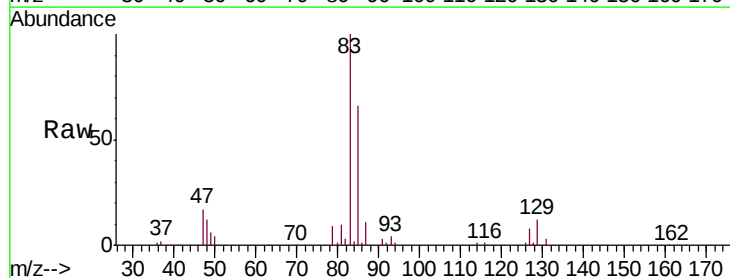
Tgt Ion: 83 Resp: 112197

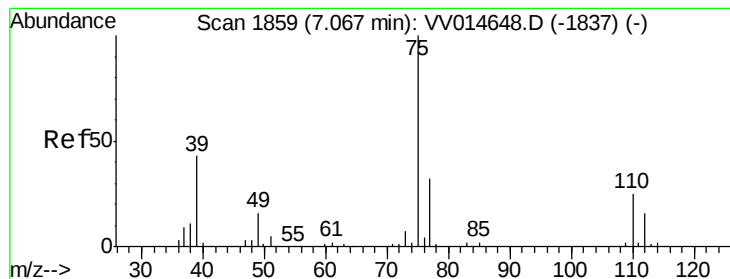
Ion Ratio Lower Upper

83 100

85 65.9 44.2 82.2

127 8.5 6.7 10.1



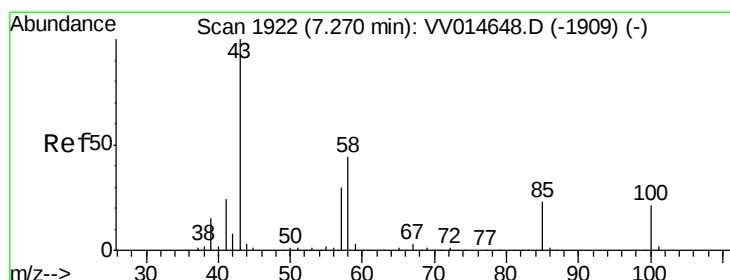
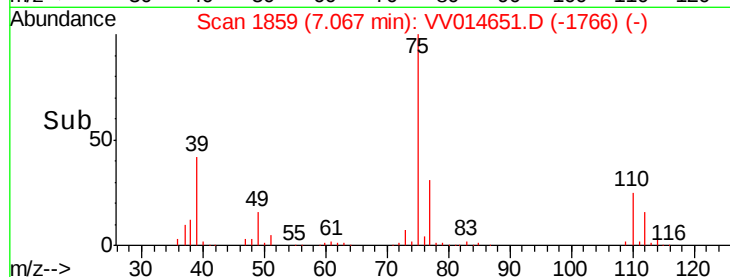
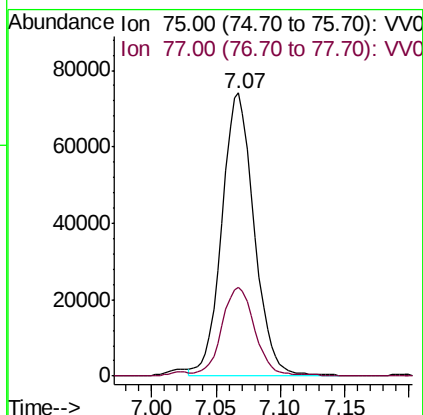
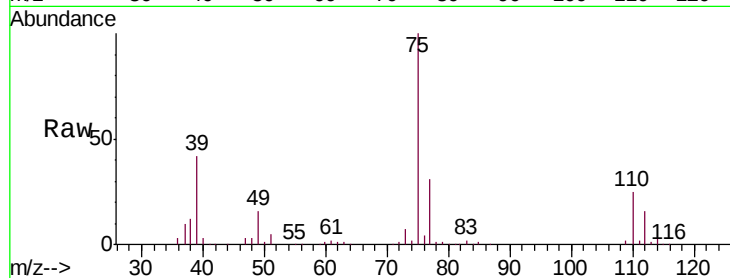


#39

cis-1,3-Dichloropropene
 Concen: 49.842 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014651.D
 Acq: 21 Feb 2020 14:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

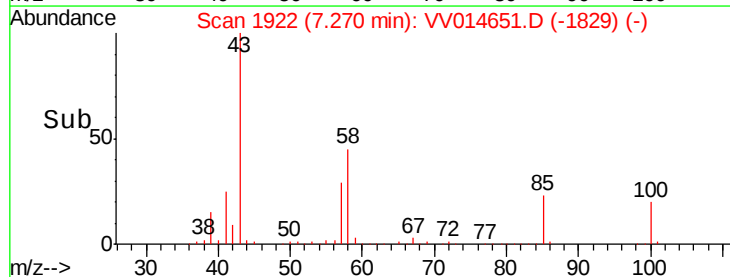
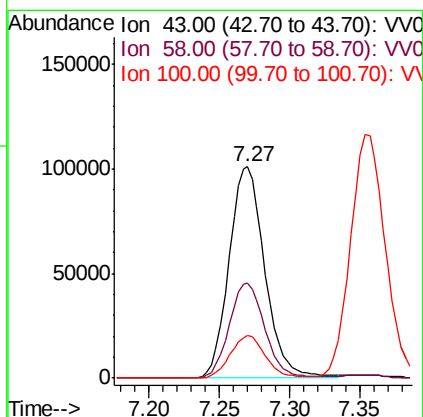
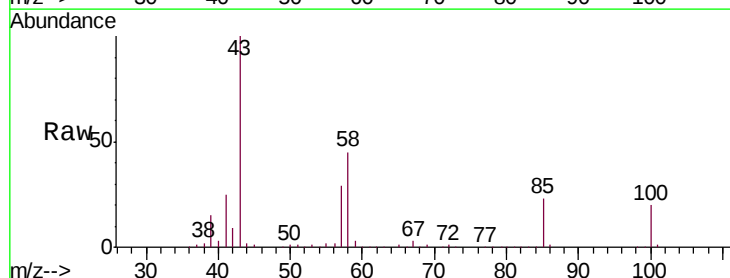
Tgt Ion: 75 Resp: 128276
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.4 41.6

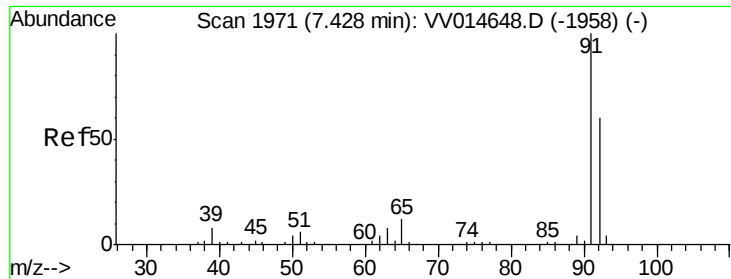


#40

4-Methyl-2-pentanone
 Concen: 100.131 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV014651.D
 Acq: 21 Feb 2020 14:03

Tgt Ion: 43 Resp: 178755
 Ion Ratio Lower Upper
 43 100
 58 44.9 35.7 53.5
 100 20.1 16.8 25.2





#42

Toluene

Concen: 50.890 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

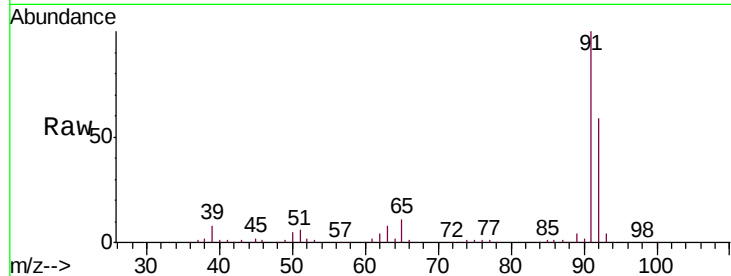
VICV66

Tgt Ion: 91 Resp: 324182

Ion Ratio Lower Upper

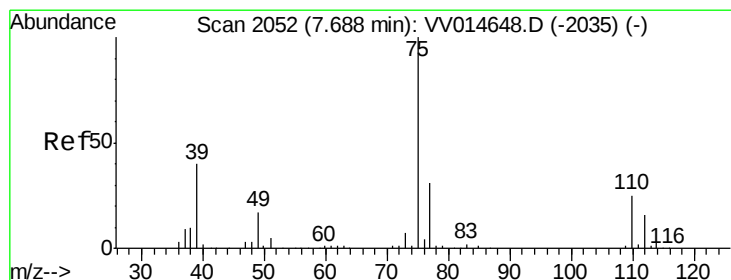
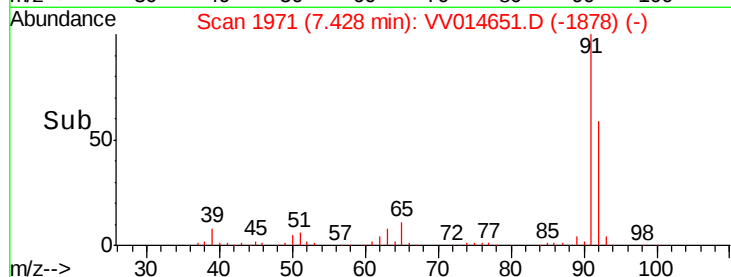
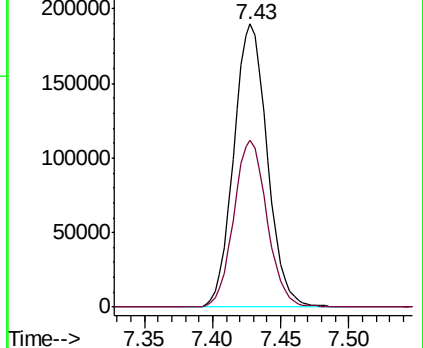
91 100

92 58.8 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: 51.264 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014651.D

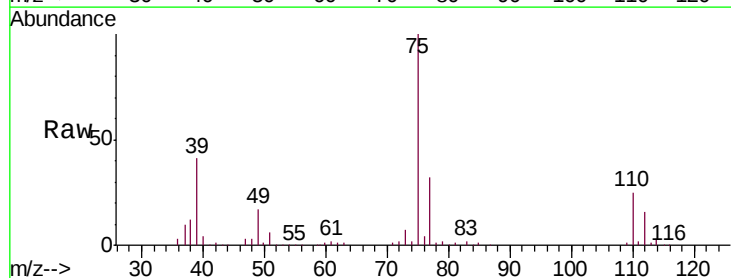
Acq: 21 Feb 2020 14:03

Tgt Ion: 75 Resp: 119700

Ion Ratio Lower Upper

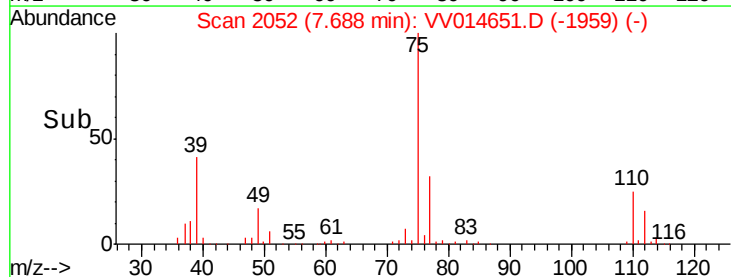
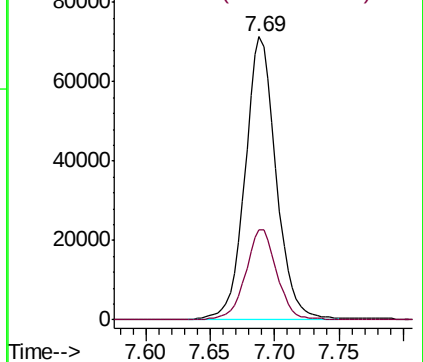
75 100

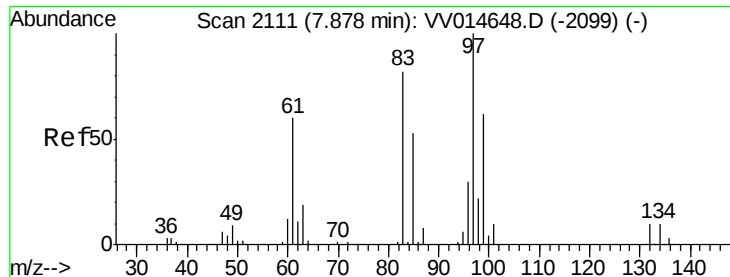
77 31.9 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

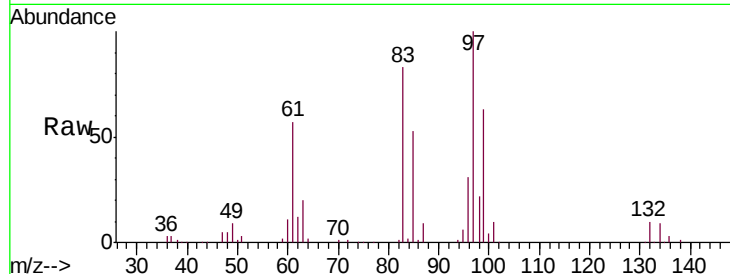




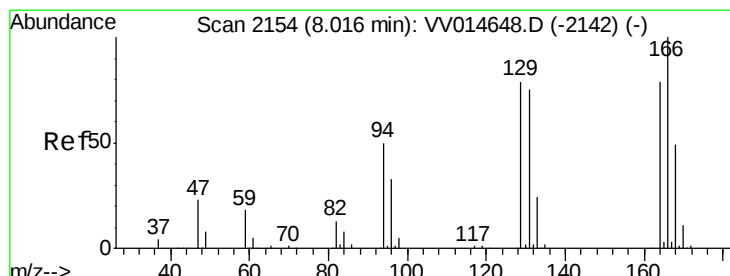
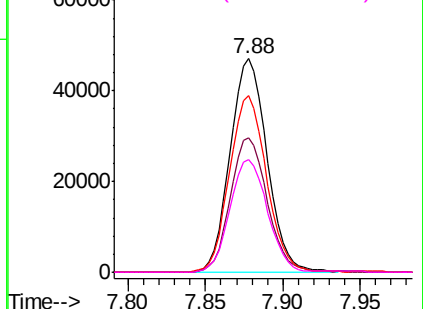
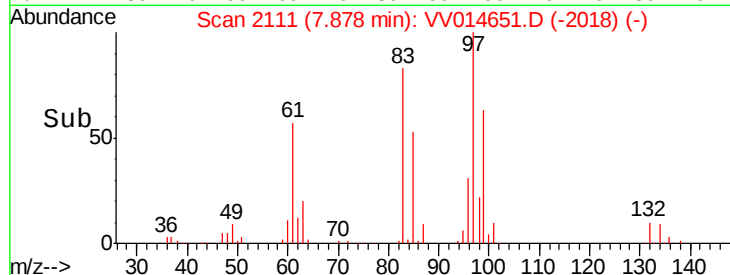
#45
 1,1,2-Trichloroethane
 Concen: 50.690 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014651.D
 Acq: 21 Feb 2020 14:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

Tgt Ion:	97	Resp:	78188
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.7	81.1
83	83.0	57.3	106.5
85	52.7	37.1	68.9

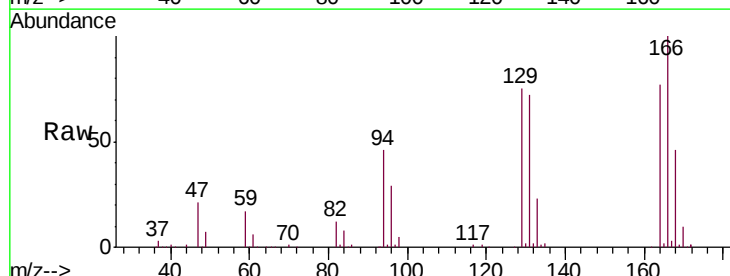


Abundance Ion 97.00 (96.70 to 97.70): VV014651.D (-2018) (-)

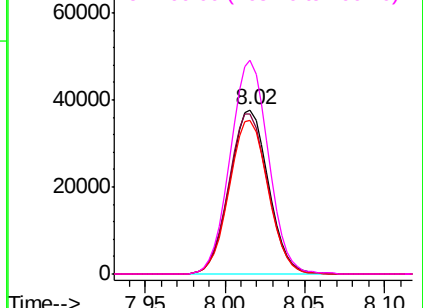
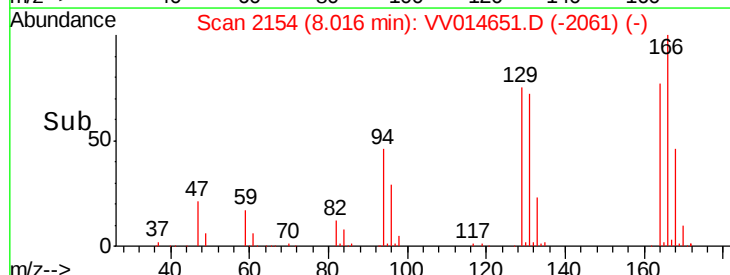


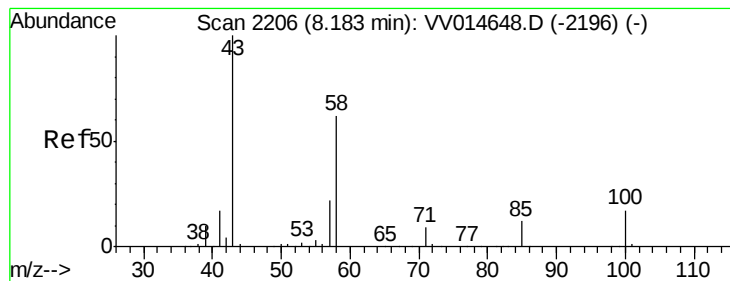
#46
 Tetrachloroethene
 Concen: 50.173 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV014651.D
 Acq: 21 Feb 2020 14:03

Tgt Ion:	164	Resp:	62255
Ion	Ratio	Lower	Upper
164	100		
129	97.3	70.3	130.7
131	93.5	66.8	124.0
166	129.9	88.8	165.0



Abundance Ion 164.00 (163.70 to 164.70): VV014651.D (-2061) (-)





#48

2-Hexanone

Concen: 102.360 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

VICV66

Tgt Ion: 43 Resp: 143324

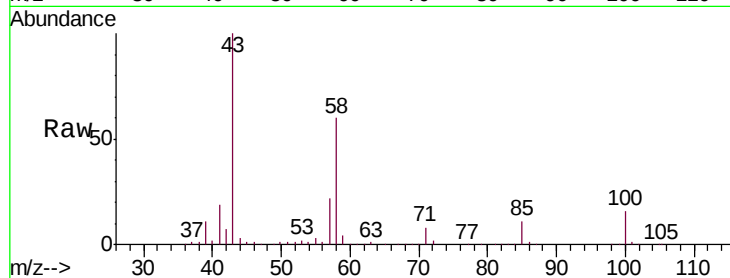
Ion Ratio Lower Upper

43 100

58 60.7 49.4 74.2

57 22.9 17.8 26.8

100 16.5 13.1 19.7

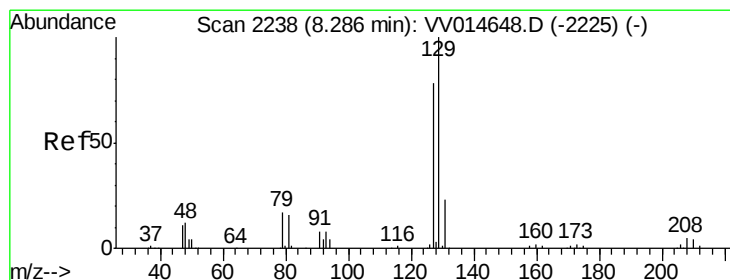
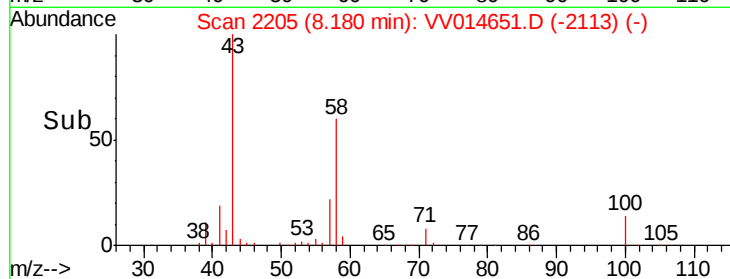
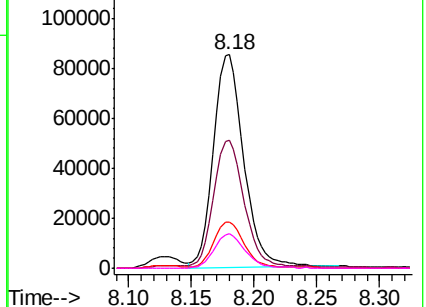


Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 50.934 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VV014651.D

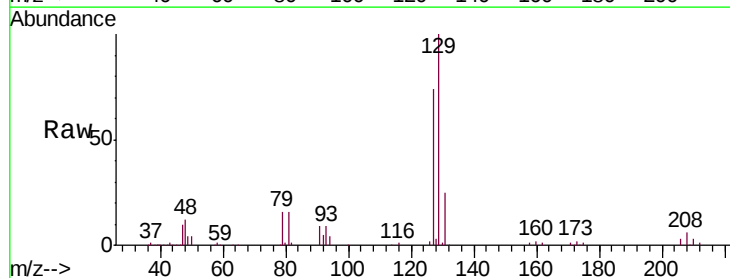
Acq: 21 Feb 2020 14:03

Tgt Ion: 129 Resp: 93367

Ion Ratio Lower Upper

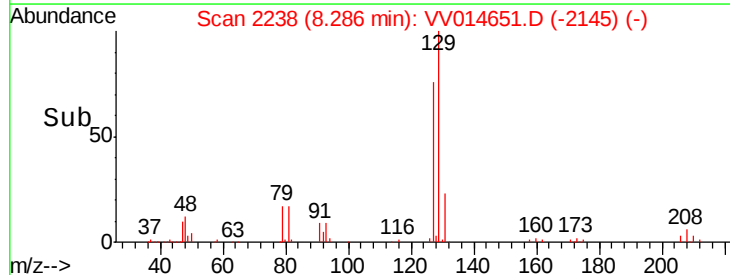
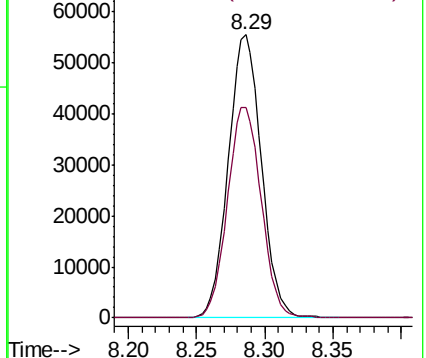
129 100

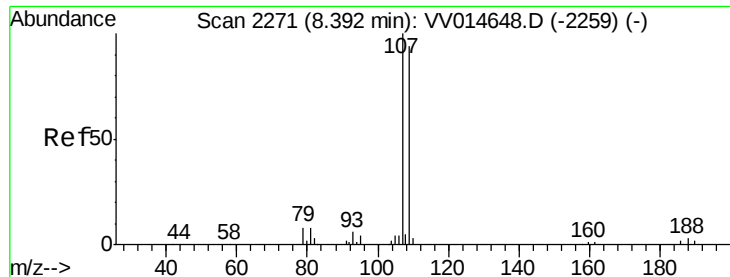
127 74.5 54.5 101.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

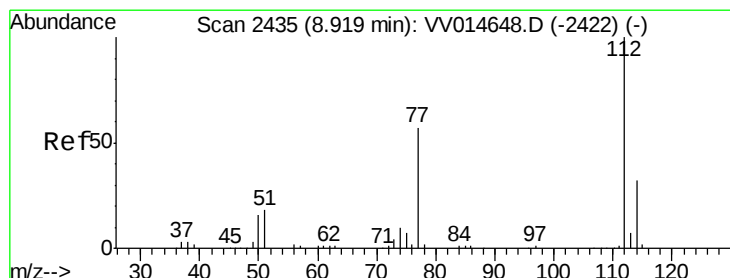
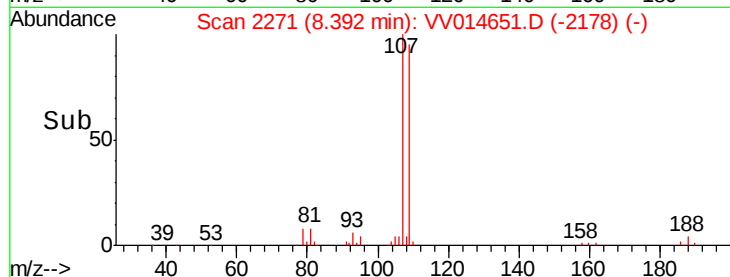
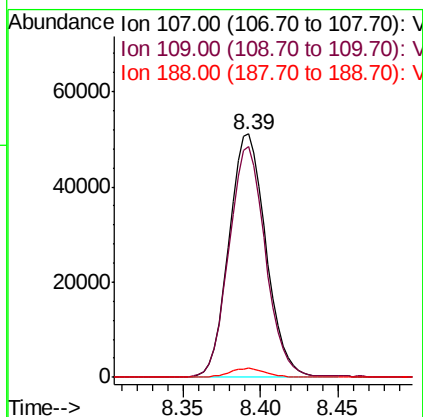
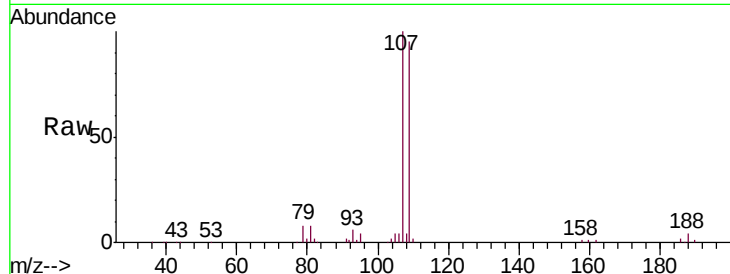




#50
 1,2-Dibromoethane
 Concen: 50.017 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV014651.D
 Acq: 21 Feb 2020 14:03

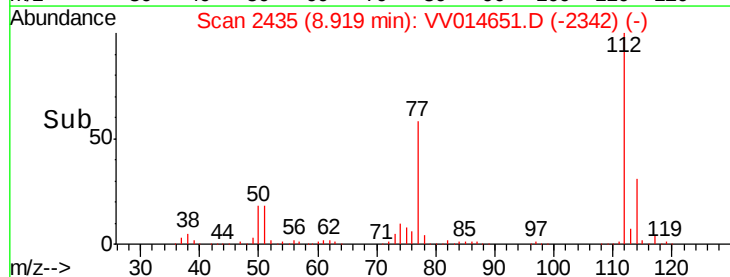
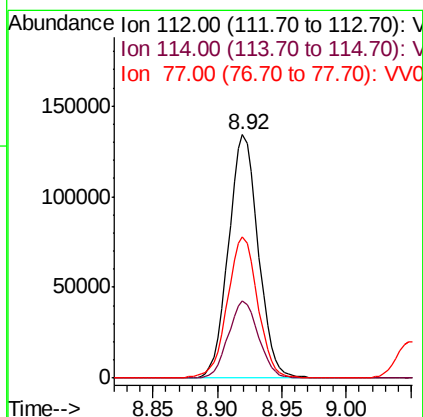
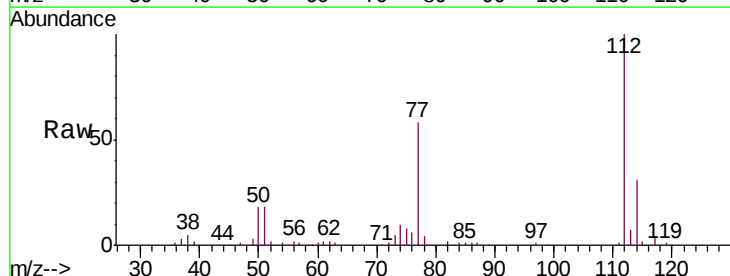
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

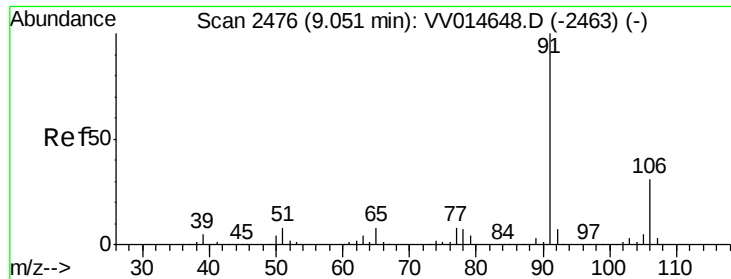
Tgt Ion:107 Resp: 85003
 Ion Ratio Lower Upper
 107 100
 109 95.0 66.1 122.7
 188 3.6 2.7 4.1



#51
 Chlorobenzene
 Concen: 49.606 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV014651.D
 Acq: 21 Feb 2020 14:03

Tgt Ion:112 Resp: 215327
 Ion Ratio Lower Upper
 112 100
 114 31.5 22.5 41.7
 77 58.0 45.8 68.8





#52

Ethylbenzene

Concen: 50.306 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

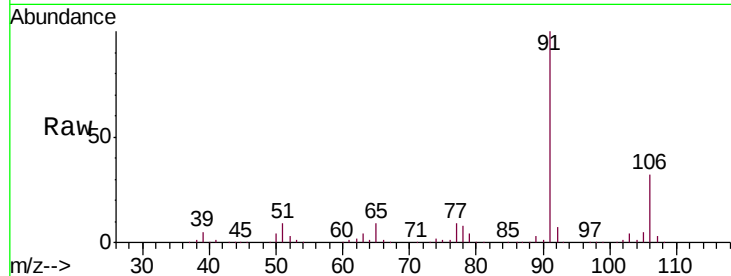
VICV66

Tgt Ion: 91 Resp: 367255

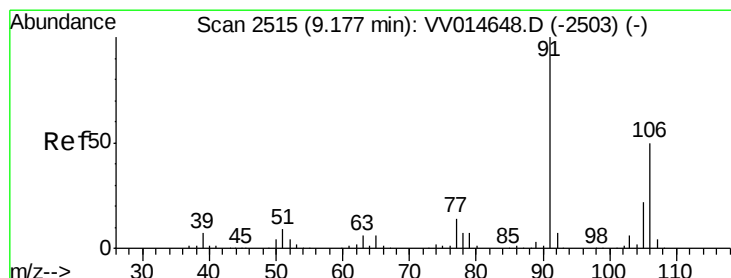
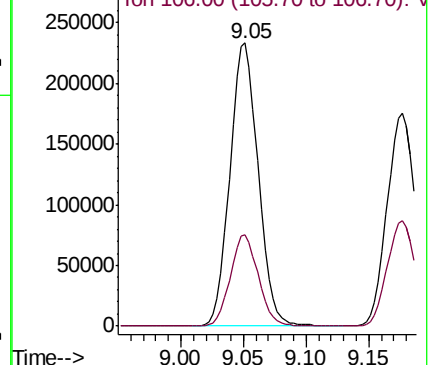
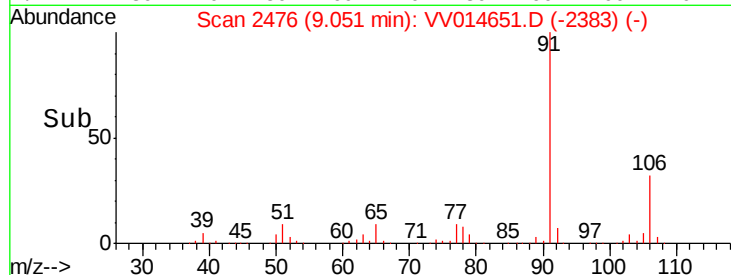
Ion Ratio Lower Upper

91 100

106 32.1 21.7 40.3



Abundance Ion 91.00 (90.70 to 91.70): VV014651.D (-2383) (-)



#53

m,p-Xylene

Concen: 50.078 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014651.D

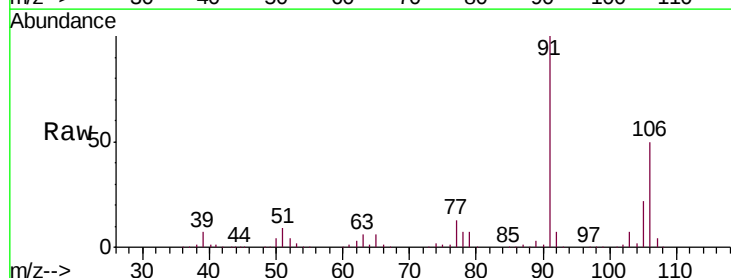
Acq: 21 Feb 2020 14:03

Tgt Ion: 106 Resp: 141349

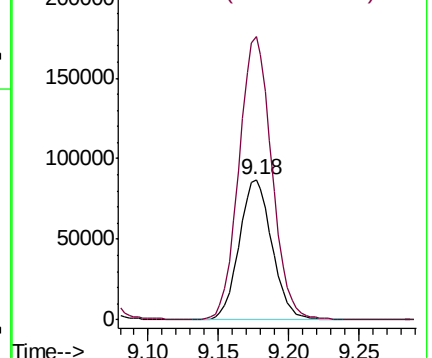
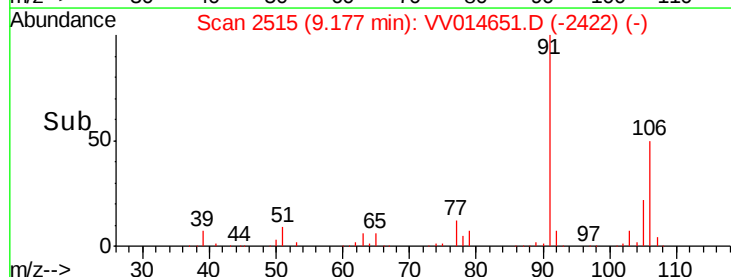
Ion Ratio Lower Upper

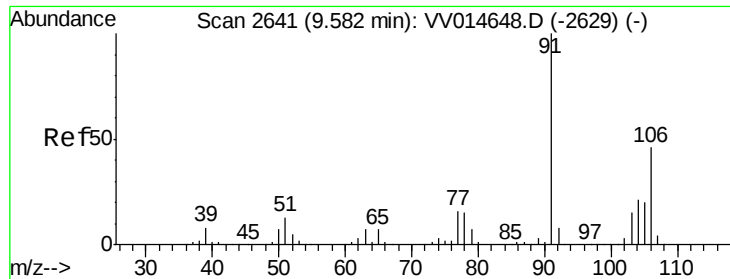
106 100

91 202.0 139.9 259.9



Abundance Ion 106.00 (105.70 to 106.70): VV014651.D (-2422) (-)

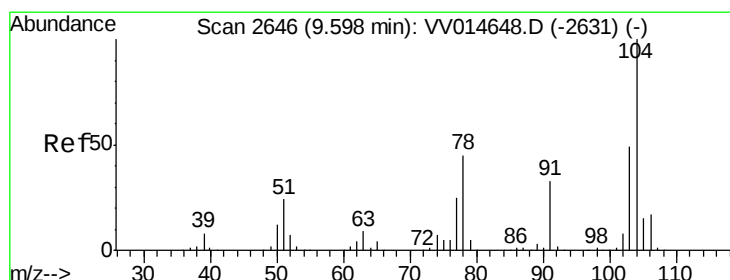
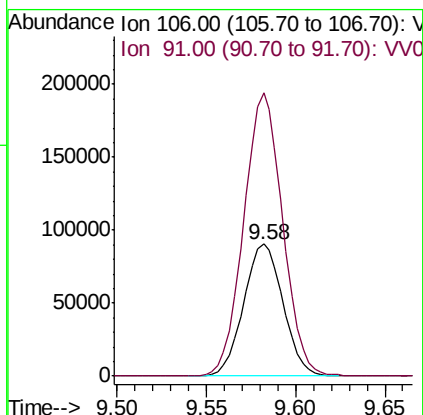
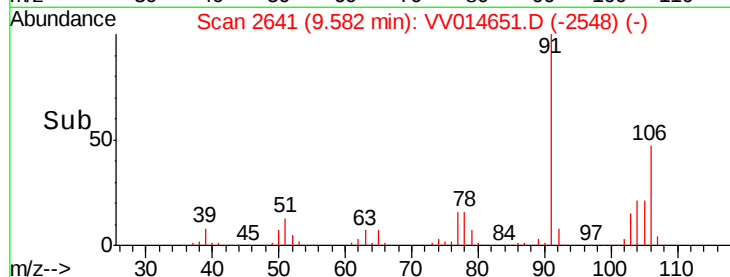
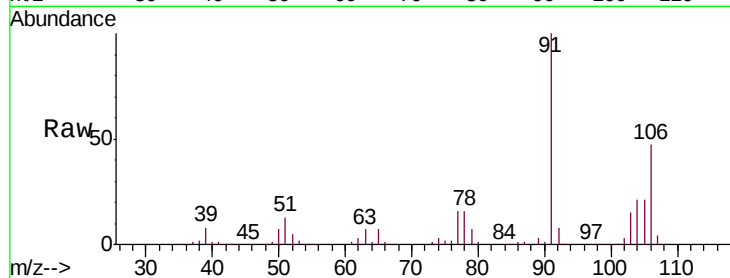




#54
o-xylene
Concen: 50.946 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014651.D
Acq: 21 Feb 2020 14:03

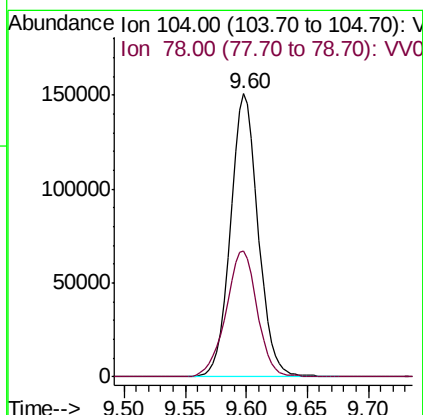
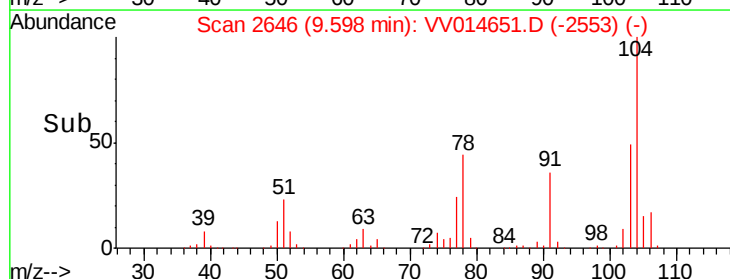
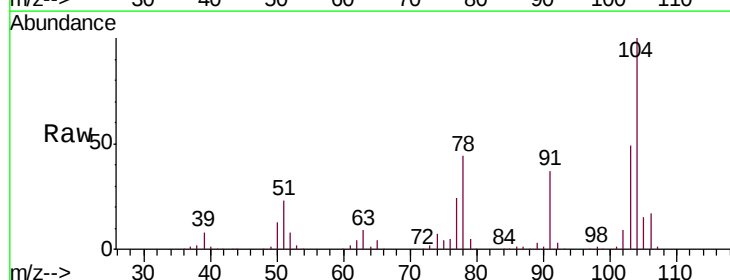
Instrument :
MSVOA_V
ClientSampled :
VICV66

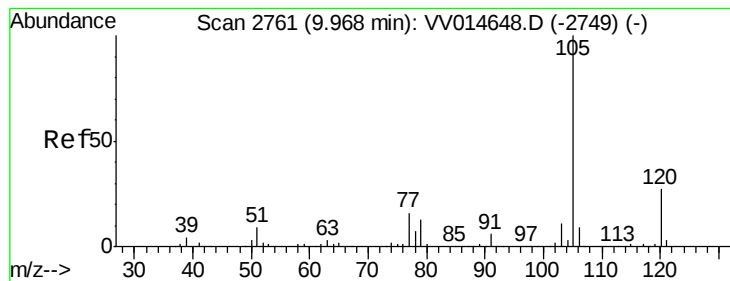
Tgt Ion:106 Resp: 139951
Ion Ratio Lower Upper
106 100
91 214.4 152.7 283.5



#55
Styrene
Concen: 52.046 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014651.D
Acq: 21 Feb 2020 14:03

Tgt Ion:104 Resp: 238378
Ion Ratio Lower Upper
104 100
78 44.4 31.8 59.0





#56

Isopropylbenzene

Concen: 51.259 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

VICV66

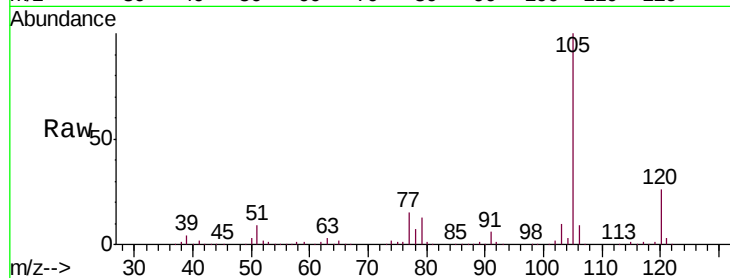
Tgt Ion: 105 Resp: 372244

Ion Ratio Lower Upper

105 100

120 26.3 21.4 32.2

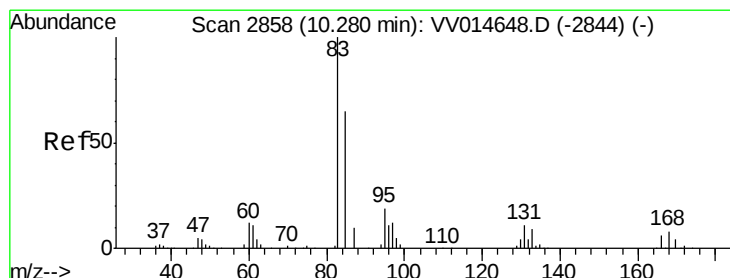
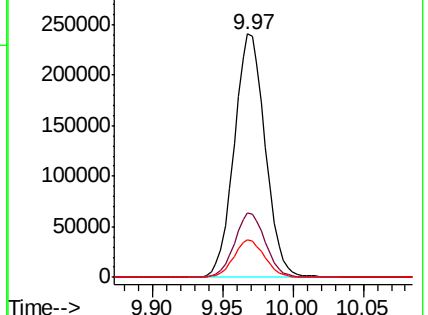
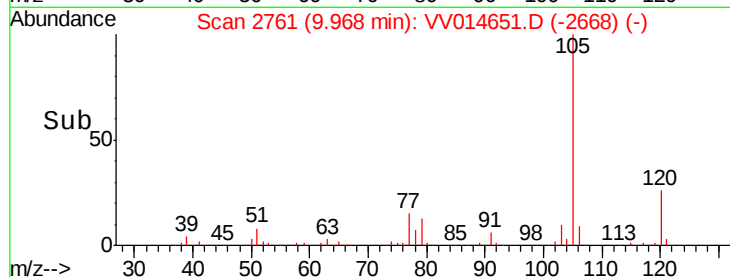
77 15.4 12.6 18.8



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: 50.499 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

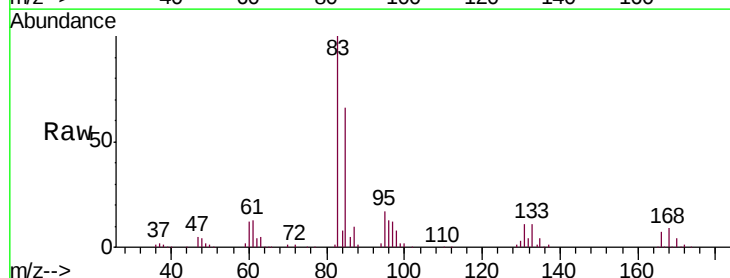
Tgt Ion: 83 Resp: 119933

Ion Ratio Lower Upper

83 100

85 66.0 45.7 84.9

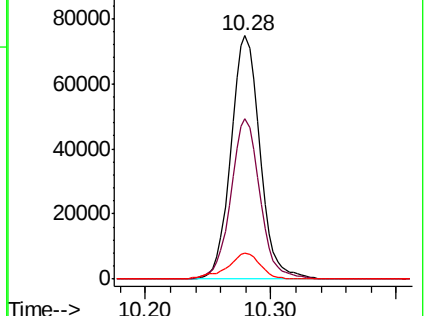
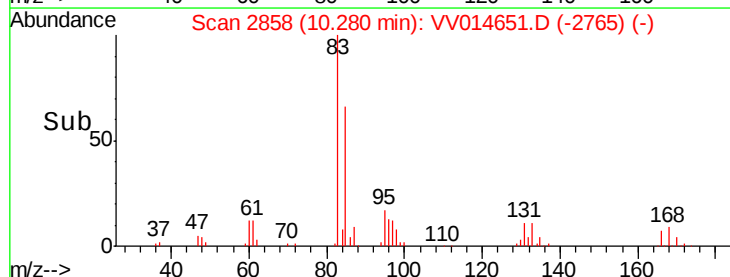
131 10.7 8.8 13.2

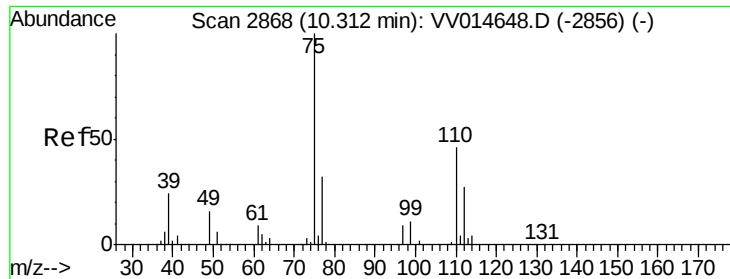


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.091 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

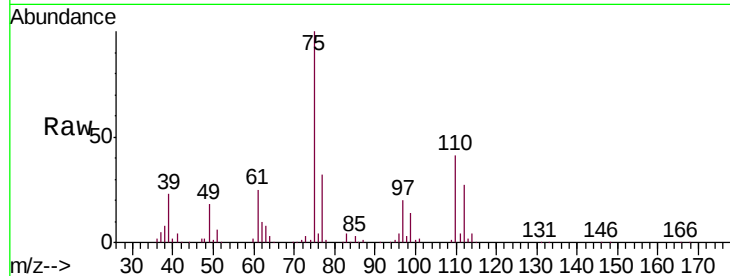
VICV66

Tgt Ion: 75 Resp: 97670

Ion Ratio Lower Upper

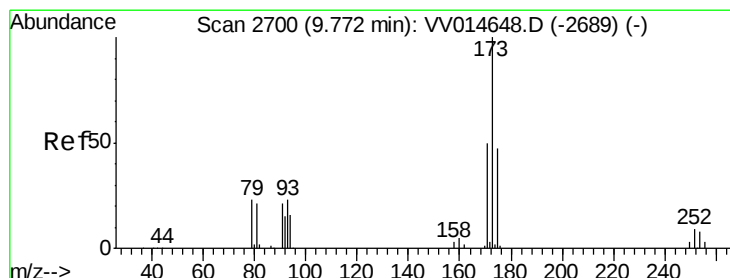
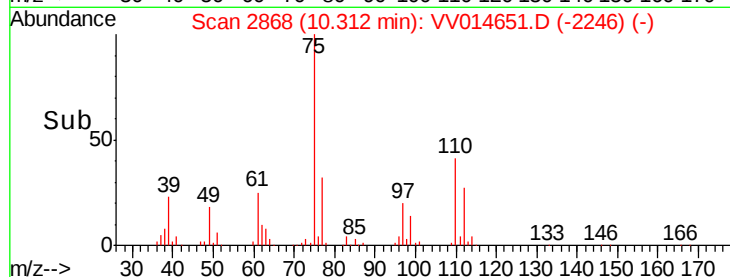
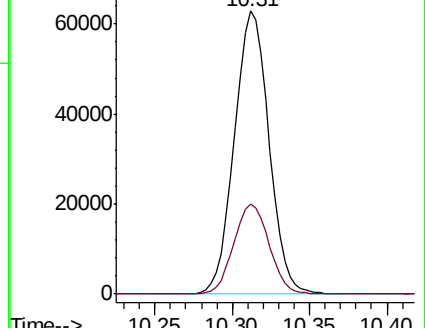
75 100

77 32.6 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: 50.934 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

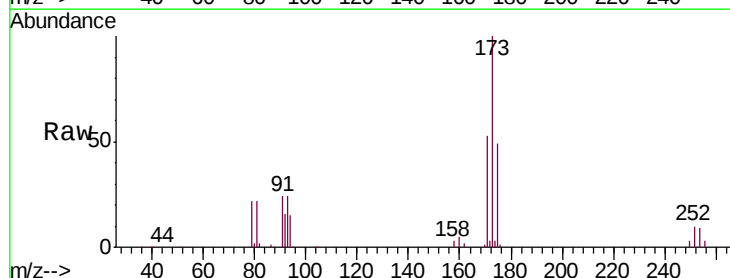
Tgt Ion: 173 Resp: 62395

Ion Ratio Lower Upper

173 100

175 49.0 38.8 58.2

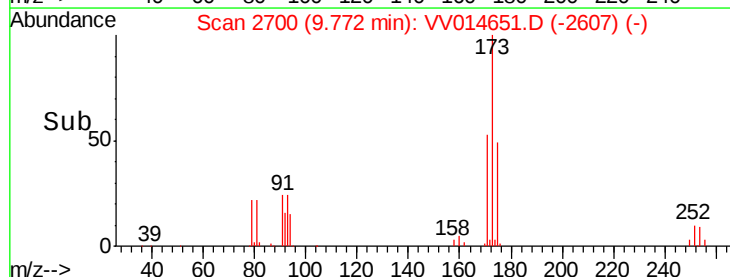
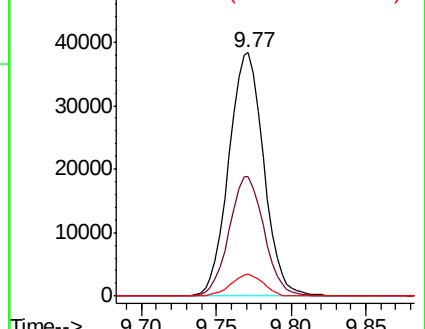
254 8.4 6.7 10.1

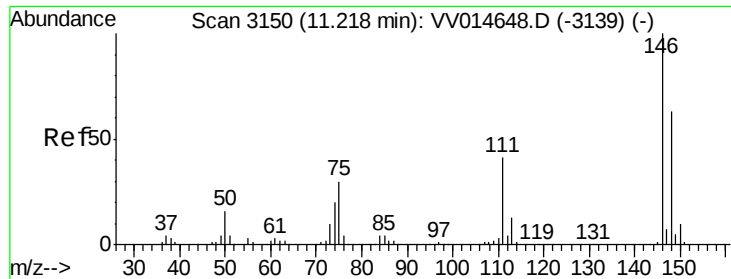


Abundance Ion 173.00 (172.70 to 173.70): VV014648.D (-2689) (-)

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: 51.125 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. 0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

Instrument :

MSVOA_V

ClientSampled :

VICV66

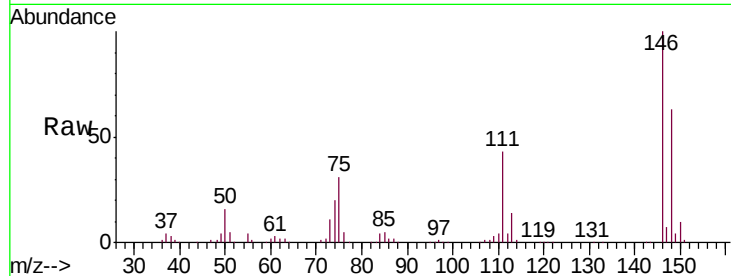
Tgt Ion:146 Resp: 172968

Ion Ratio Lower Upper

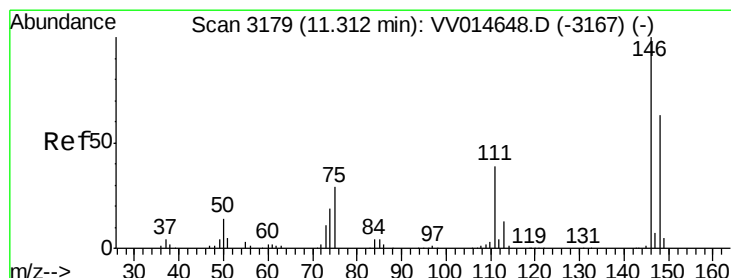
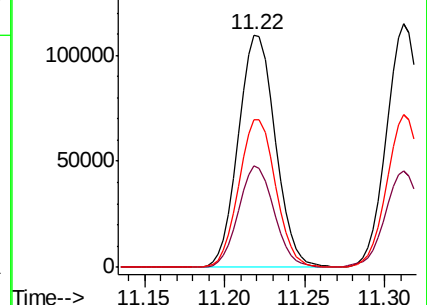
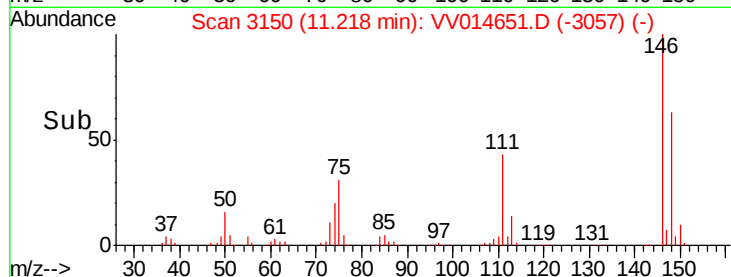
146 100

111 43.5 29.0 53.9

148 63.4 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: 51.186 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

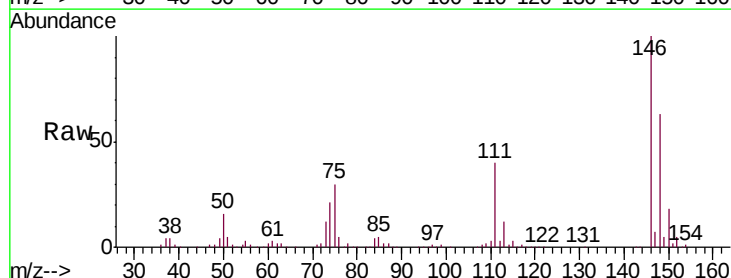
Tgt Ion:146 Resp: 177226

Ion Ratio Lower Upper

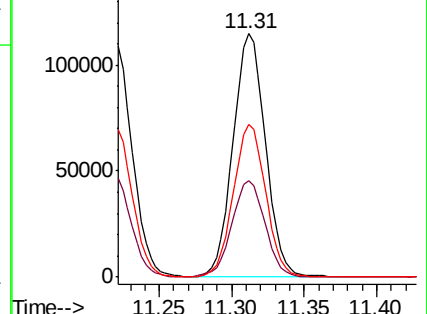
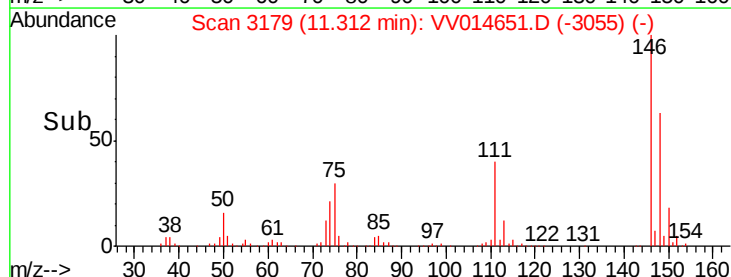
146 100

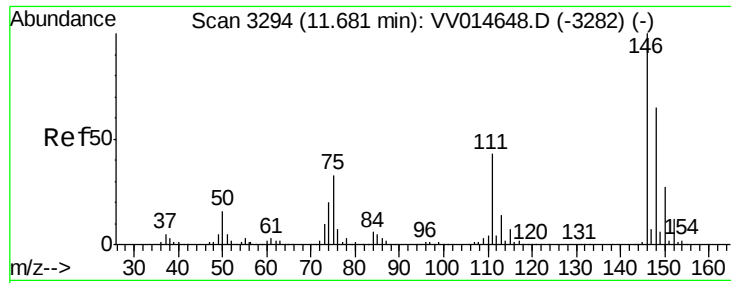
111 39.7 27.6 51.4

148 62.7 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

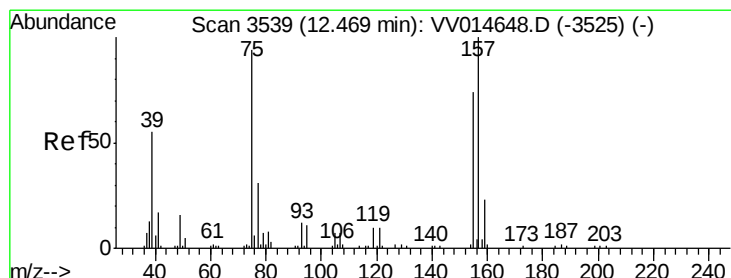
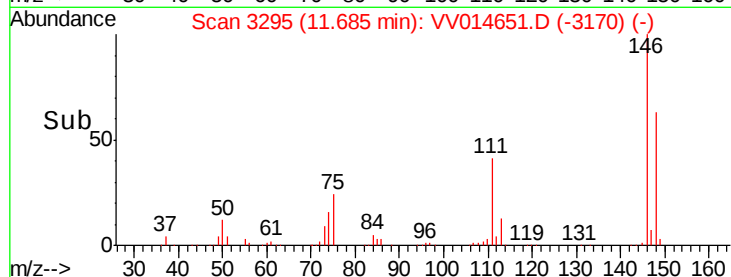
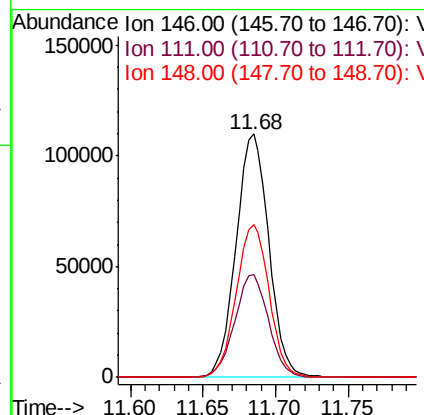
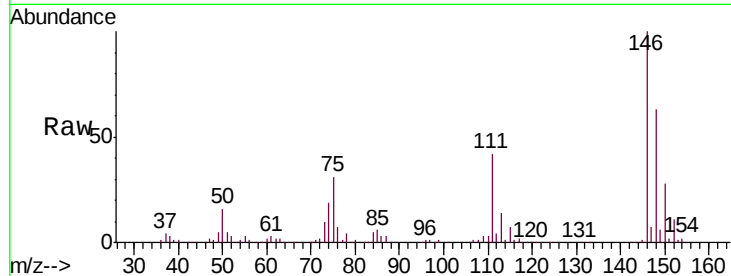




#65
 1,2-Dichlorobenzene
 Concen: 51.199 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014651.D
 Acq: 21 Feb 2020 14:03

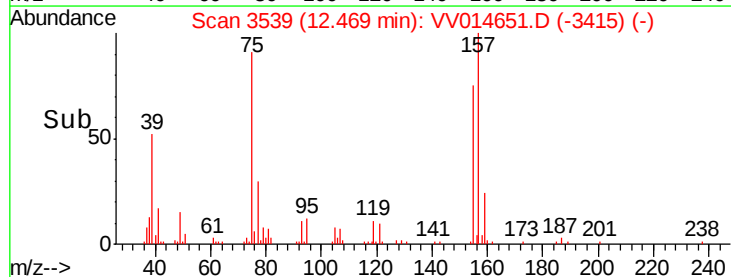
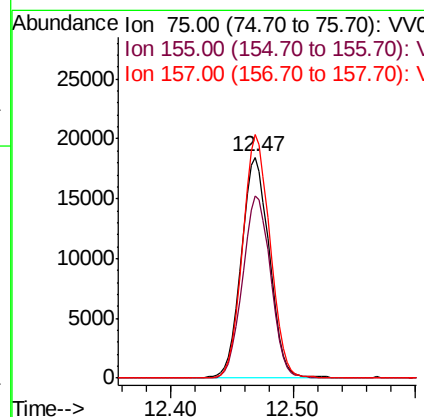
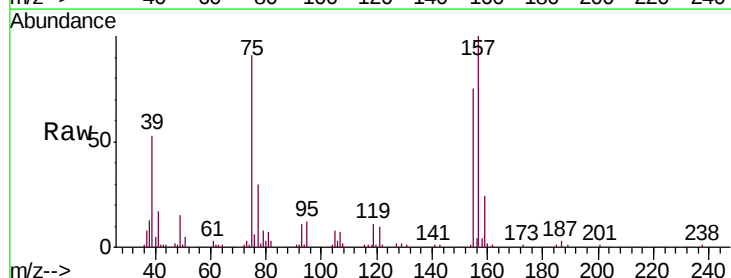
Instrument :
 MSVOA_V
 ClientSampled :
 VICV66

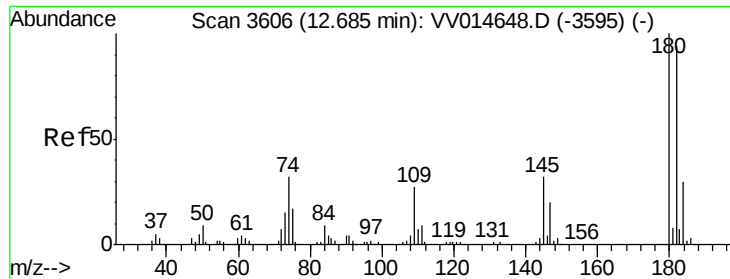
Tgt Ion: 146 Resp: 172476
 Ion Ratio Lower Upper
 146 100
 111 42.3 34.4 51.6
 148 62.9 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.113 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014651.D
 Acq: 21 Feb 2020 14:03

Tgt Ion: 75 Resp: 29277
 Ion Ratio Lower Upper
 75 100
 155 82.2 62.6 93.8
 157 110.1 84.7 127.1

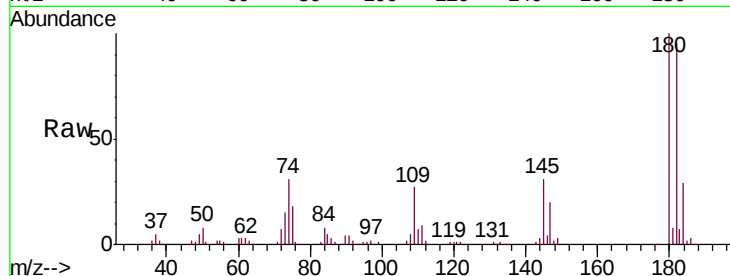




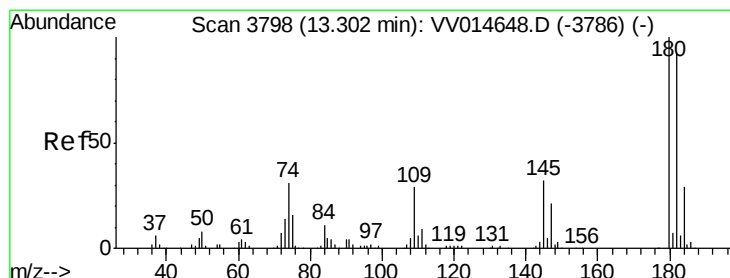
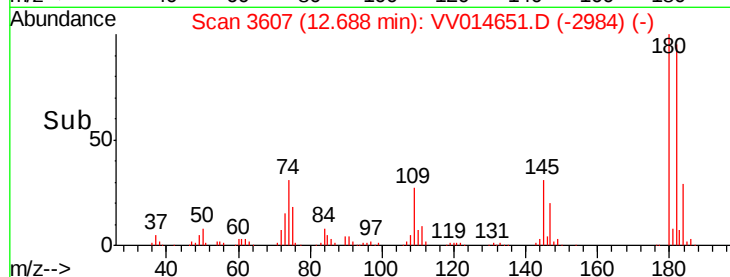
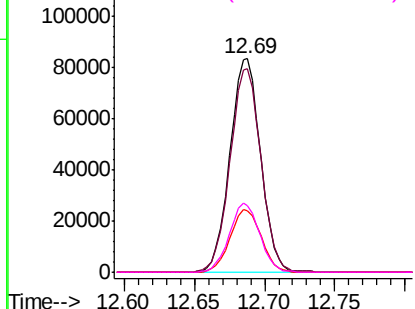
#67
 1,3,5-Trichlorobenzene
 Concen: 50.965 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014651.D
 Acq: 21 Feb 2020 14:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

Tgt Ion:	180	Resp:	126735
Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.9	113.9
184	29.8	23.8	35.8
145	32.2	25.5	38.3

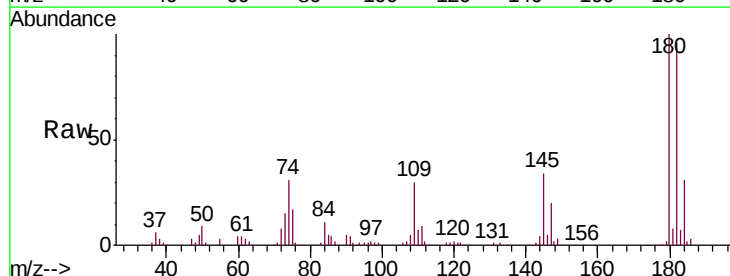


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

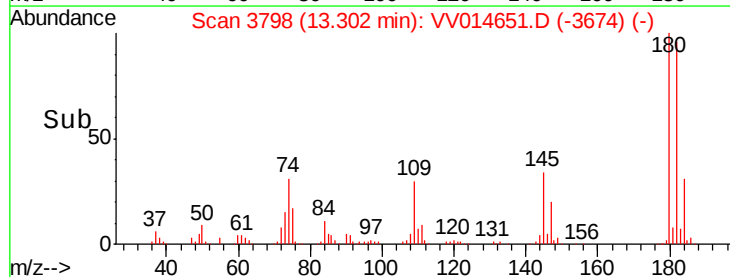
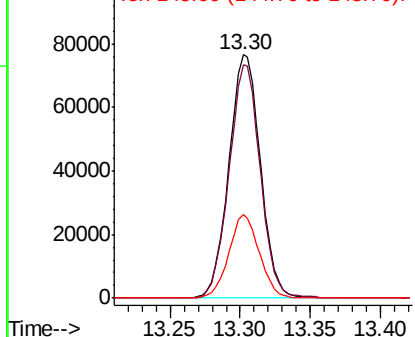


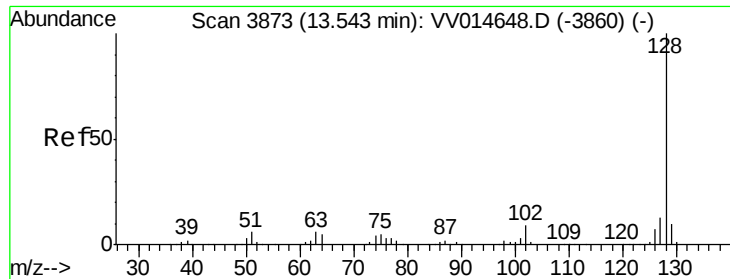
#68
 1,2,4-trichlorobenzene
 Concen: 51.359 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014651.D
 Acq: 21 Feb 2020 14:03

Tgt Ion:	180	Resp:	119799
Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.3	112.9
145	33.1	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: 50.658 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

VICV66

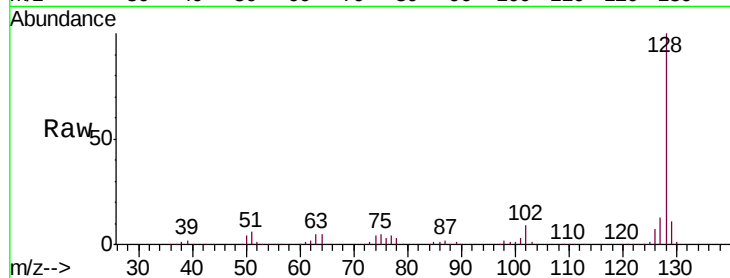
Tgt Ion:128 Resp: 396868

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

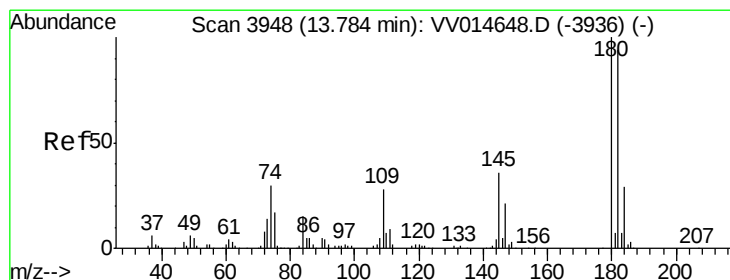
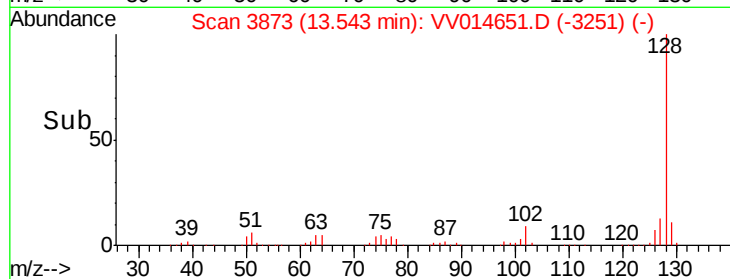
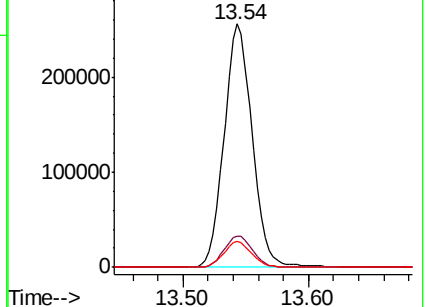
129 10.6 8.5 12.7



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: 50.546 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014651.D

Acq: 21 Feb 2020 14:03

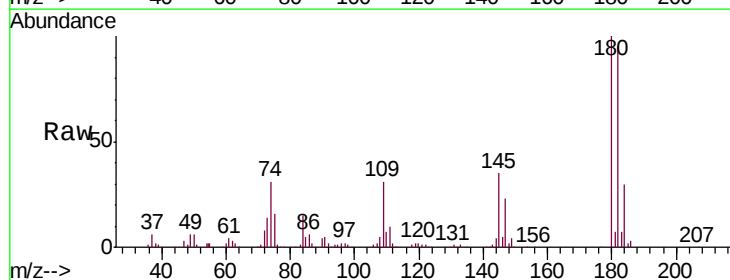
Tgt Ion:180 Resp: 121138

Ion Ratio Lower Upper

180 100

182 94.3 75.4 113.2

145 35.4 28.2 42.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

