

Data File : VV014493.D
Acq On : 04 Feb 2020 10:22
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB86

Quant Time: Feb 05 01:03:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 05 00:35:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	408569	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	384526	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	187553	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88153	38.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.70%
7) Chloroethane-d5	1.58	69	64479	45.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.40%
11) 1,1-Dichloroethene-d2	2.13	63	145266	47.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.92%
21) 2-Butanone-d5	3.92	46	158775	103.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.99%
24) Chloroform-d	4.39	84	229816	47.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.70%
26) 1,2-Dichloroethane-d4	5.07	65	138321	47.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.64%
32) Benzene-d6	5.09	84	468804	46.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.11	67	148753	46.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.88%
41) Toluene-d8	7.35	98	438687	46.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.86%
43) trans-1,3-Dichloropropene-	7.66	79	73753	45.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.60%
47) 2-Hexanone-d5	8.12	63	127089	101.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.40%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	194477	47.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.24%
64) 1,2-Dichlorobenzene-d4	11.67	152	163958	47.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.94%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	168767	49.408	ug/L 99
3) Chloromethane	1.25	50	182689	51.226	ug/L 100
5) Vinyl chloride	1.32	62	133836	46.701	ug/L 100
6) Bromomethane	1.53	94	48590	50.888	ug/L 98
8) Chloroethane	1.60	64	64251	51.059	ug/L 98
9) Trichlorofluoromethane	1.77	101	170576	51.695	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	82255	53.172	ug/L 98
12) 1,1-Dichloroethene	2.14	96	78569	50.552	ug/L 99
13) Acetone	2.18	43	83259	63.911	ug/L 99
14) Carbon disulfide	2.32	76	382426	50.098	ug/L 100
15) Methyl Acetate	2.45	43	135214	53.860	ug/L 100
16) Methylene chloride	2.53	84	147702	49.355	ug/L 99
17) trans-1,2-Dichloroethene	2.79	96	138391	51.336	ug/L 100
18) Methyl tert-butyl Ether	2.80	73	436015	52.582	ug/L 99
19) 1,1-Dichloroethane	3.23	63	250009	50.824	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	154180	51.280	ug/L 100
22) 2-Butanone	4.00	43	179618	95.686	ug/L 98

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Quant Title : VOC Analysis
QLast Update : Wed Feb 05 00:35:12 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	71280	50.571	ug/L	97
25) Chloroform	4.42	83	251345	50.727	ug/L	99
27) 1,2-Dichloroethane	5.17	62	185178	52.566	ug/L	98
29) Cyclohexane	4.72	56	237804	50.621	ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	215514	52.302	ug/L	99
31) Carbon tetrachloride	4.87	117	187850	52.249	ug/L	99
33) Benzene	5.14	78	567593	50.026	ug/L	100
34) Trichloroethene	5.96	95	146068	50.972	ug/L	98
35) Methylcyclohexane	6.17	83	238359	50.059	ug/L	99
37) 1,2-Dichloropropane	6.21	63	144311	50.897	ug/L	100
38) Bromodichloromethane	6.55	83	191740	50.507	ug/L	100
39) cis-1,3-Dichloropropene	7.06	75	226390	48.557	ug/L	100
40) 4-Methyl-2-pentanone	7.26	43	357386	104.259	ug/L	98
42) Toluene	7.42	91	601209	50.619	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	197651	47.736	ug/L	100
45) 1,1,2-Trichloroethane	7.87	97	136282	50.872	ug/L	99
46) Tetrachloroethene	8.01	164	108533	51.787	ug/L	97
48) 2-Hexanone	8.17	43	268216	100.029	ug/L	97
49) Dibromochloromethane	8.28	129	149837	50.836	ug/L	99
50) 1,2-Dibromoethane	8.39	107	144186	50.550	ug/L	98
51) Chlorobenzene	8.92	112	383515	50.476	ug/L	99
52) Ethylbenzene	9.05	91	671184	50.350	ug/L	100
53) m,p-Xylene	9.18	106	257553	51.742	ug/L	100
54) o-xylene	9.58	106	247013	50.081	ug/L	99
55) Styrene	9.60	104	429773	51.920	ug/L	99
56) Isopropylbenzene	9.97	105	649584	51.508	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	213770	49.950	ug/L	100
59) 1,2,3-Trichloropropane	10.31	75	167978	50.132	ug/L	98
61) Bromoform	9.77	173	103890	53.015	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	293687	50.913	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	299423	50.422	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	283619	49.743	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	45685	50.404	ug/L	98
67) 1,3,5-Trichlorobenzene	12.68	180	205848	52.970	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	188519	53.402	ug/L	100
69) Naphthalene	13.54	128	609635	54.531	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	181118	53.244	ug/L	100

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

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MSVOA_V
ClientSampleId :
BFB86

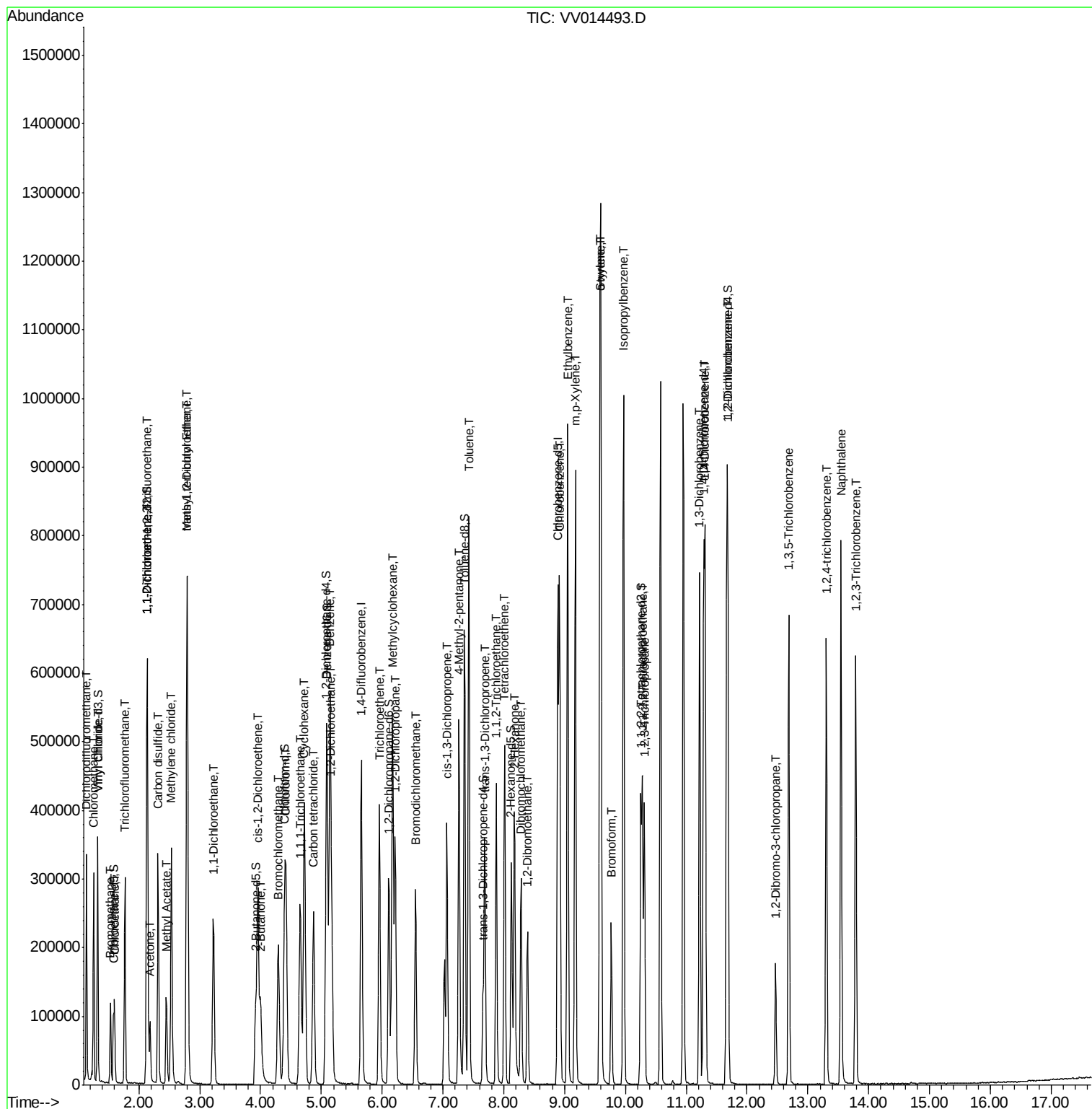
Quant Time: Feb 05 01:03:27 2020

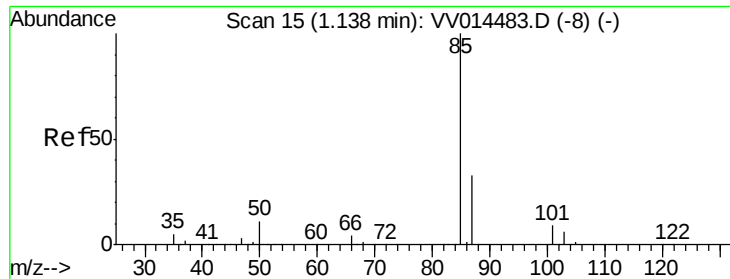
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVLM020120WMA.M

Quant Title : VOC Analysis

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 49.408 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014493.D

Acq: 04 Feb 2020 10:22

Instrument :

MSVOA_V

ClientSampleId :

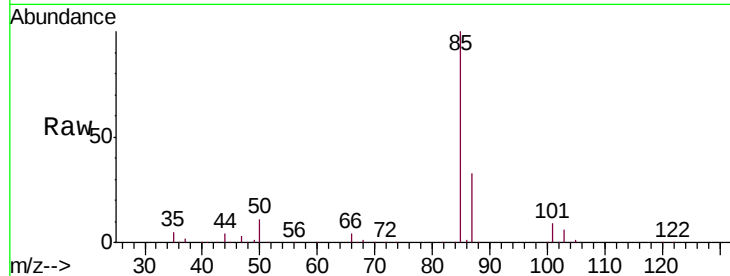
BFB86

Tgt Ion: 85 Resp: 168767

Ion Ratio Lower Upper

85 100

87 32.7 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV014483.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014483.D (-8) (-)

1.14

200000

150000

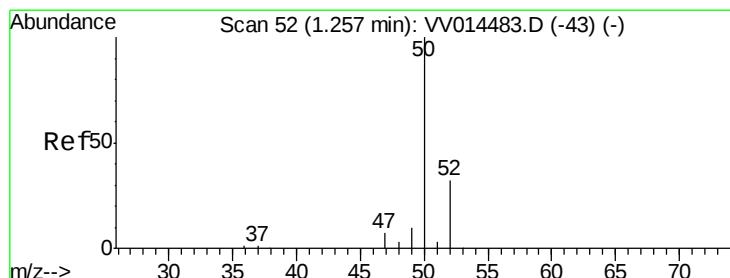
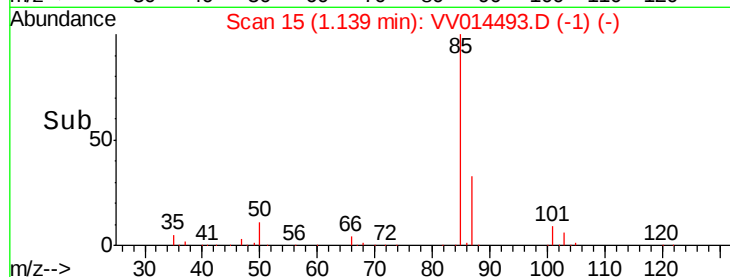
100000

50000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 51.226 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV014493.D

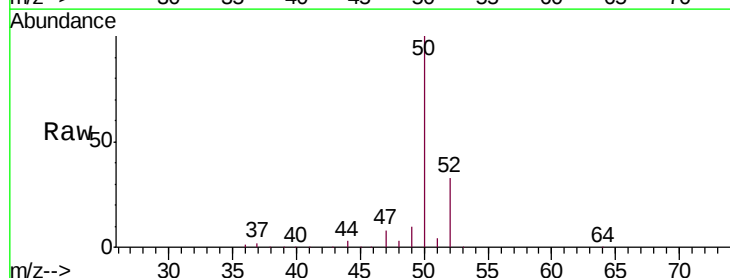
Acq: 04 Feb 2020 10:22

Tgt Ion: 50 Resp: 182689

Ion Ratio Lower Upper

50 100

52 32.7 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VV014483.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV014483.D (-43) (-)

1.25

200000

150000

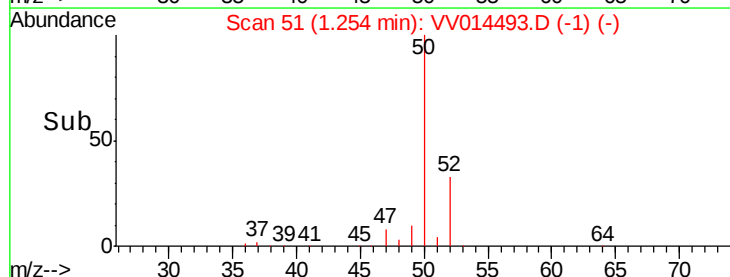
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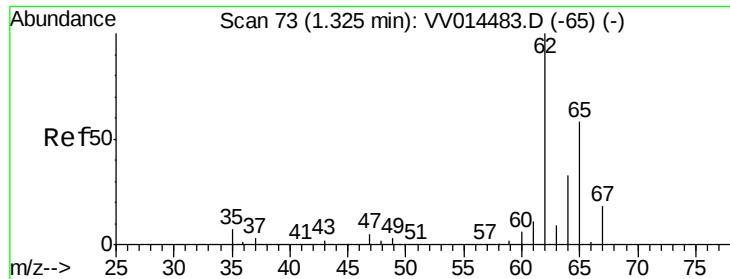
50000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 46.701 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV014493.D

Acq: 04 Feb 2020 10:22

Instrument :

MSVOA_V

ClientSampleId :

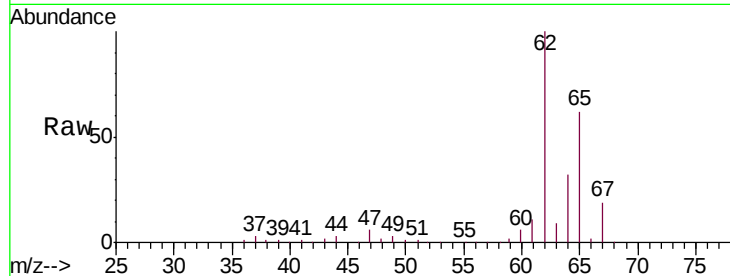
BFB86

Tgt Ion: 62 Resp: 133836

Ion Ratio Lower Upper

62 100

64 32.4 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

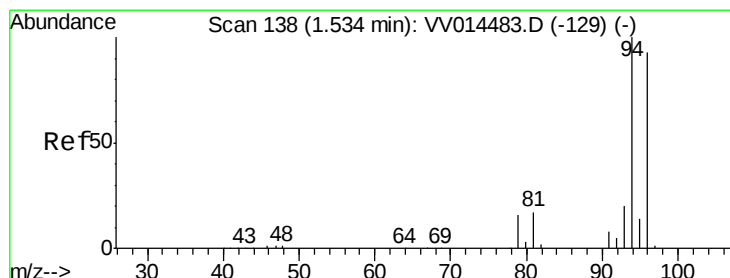
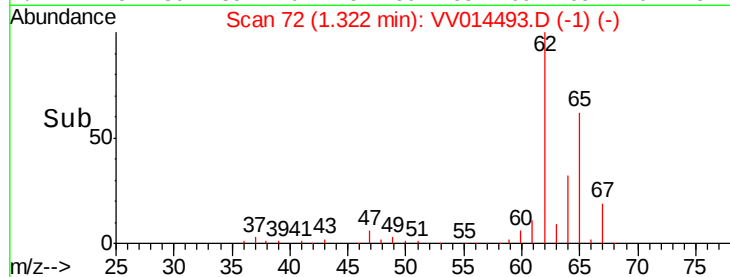
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 50.888 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014493.D

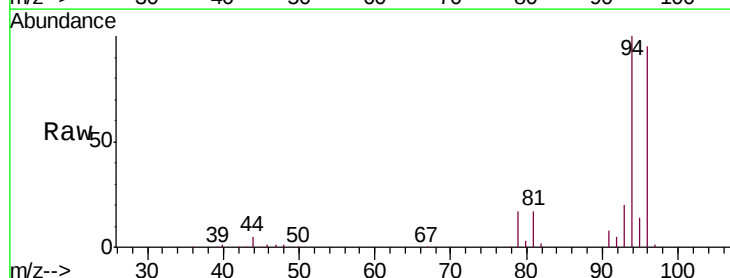
Acq: 04 Feb 2020 10:22

Tgt Ion: 94 Resp: 48590

Ion Ratio Lower Upper

94 100

96 94.8 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

40000

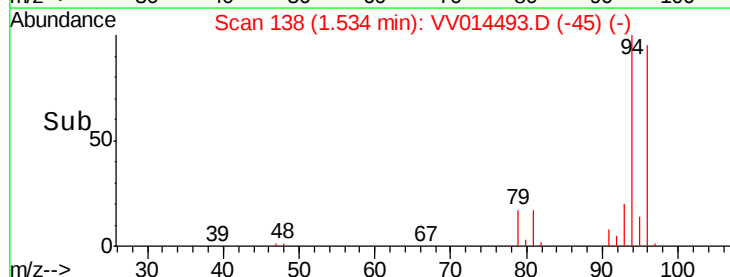
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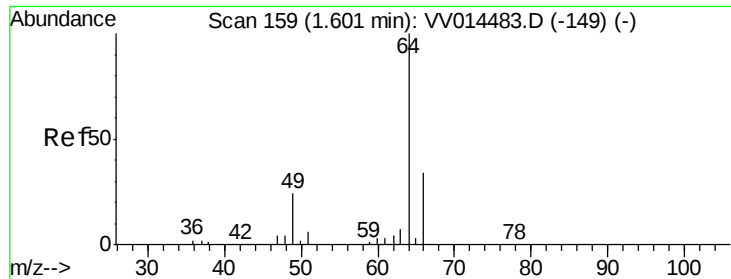
20000

10000

0

Time-->

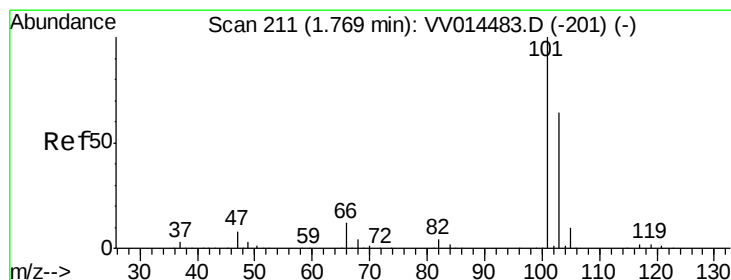
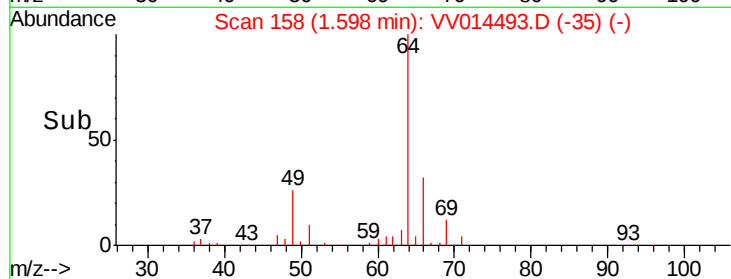
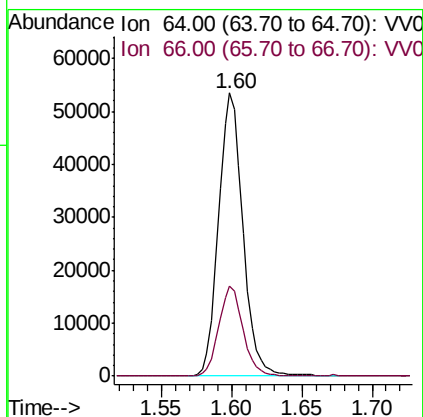
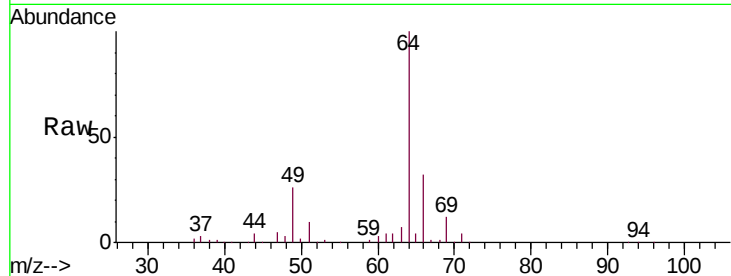




#8
Chloroethane
Concen: 51.059 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV014493.D
Acq: 04 Feb 2020 10:22

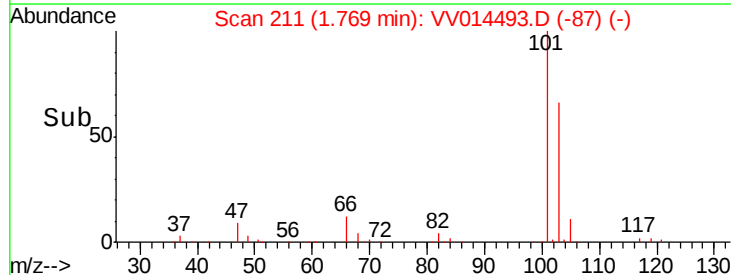
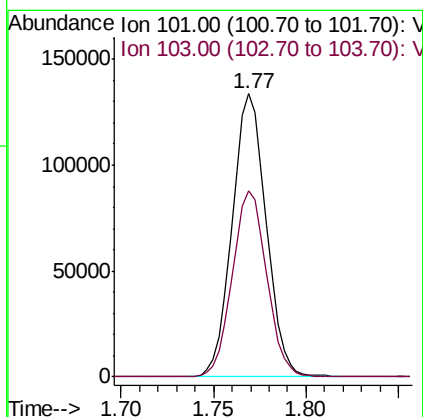
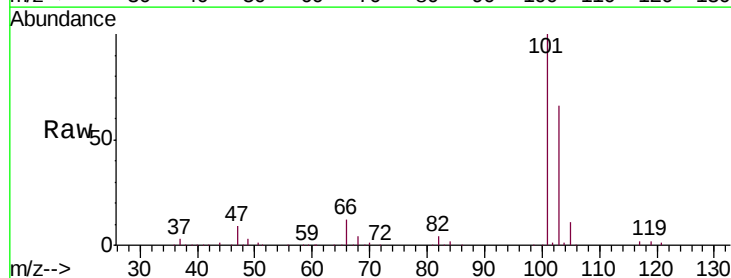
Instrument :
MSVOA_V
ClientSampleId :
BFB86

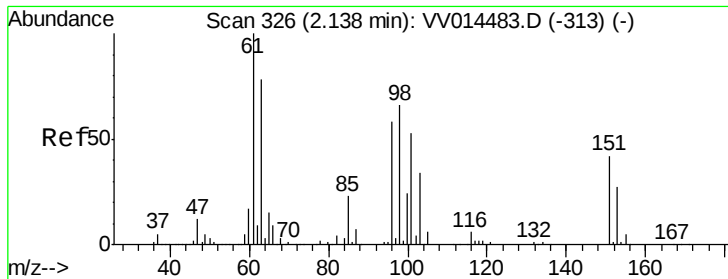
Tgt Ion: 64 Resp: 64251
Ion Ratio Lower Upper
64 100
66 31.8 23.0 42.8



#9
Trichlorofluoromethane
Concen: 51.695 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV014493.D
Acq: 04 Feb 2020 10:22

Tgt Ion: 101 Resp: 170576
Ion Ratio Lower Upper
101 100
103 66.3 50.6 75.8





#10

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

Concen: 53.172 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014493.D

Acq: 04 Feb 2020 10:22

Instrument :

MSVOA_V

ClientSampleId :

BFB86

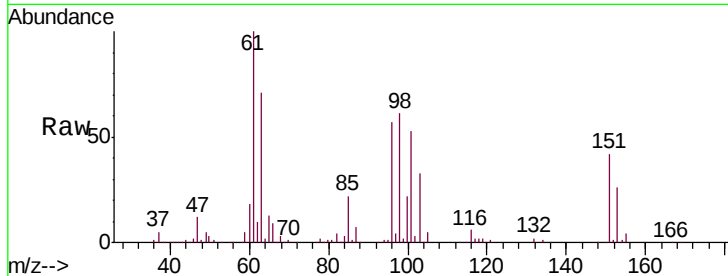
Tgt Ion: 101 Resp: 82255

Ion Ratio Lower Upper

101 100

85 43.0 34.6 51.8

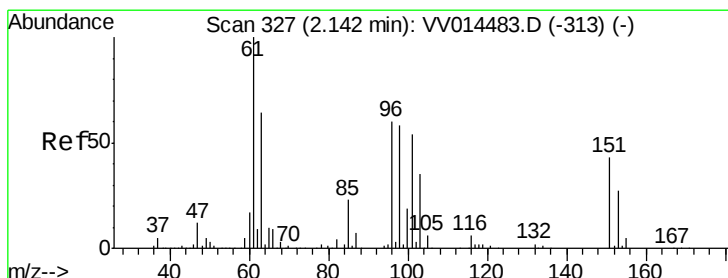
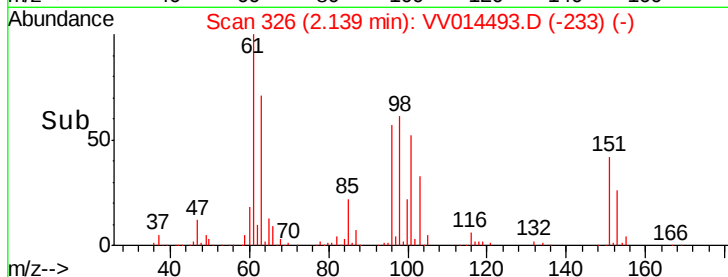
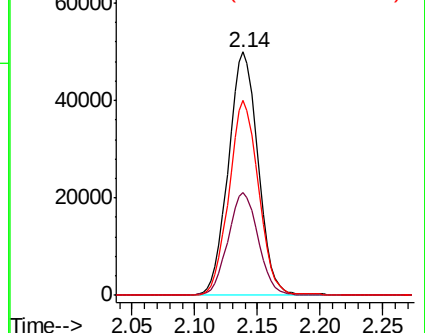
151 79.2 61.2 91.8



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: 50.552 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014493.D

Acq: 04 Feb 2020 10:22

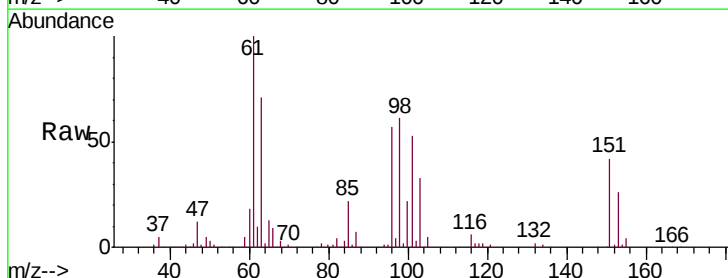
Tgt Ion: 96 Resp: 78569

Ion Ratio Lower Upper

96 100

61 174.2 120.5 223.7

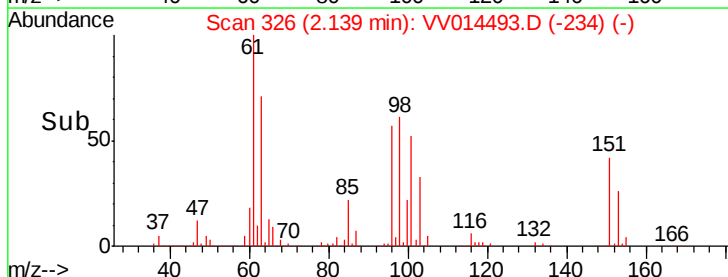
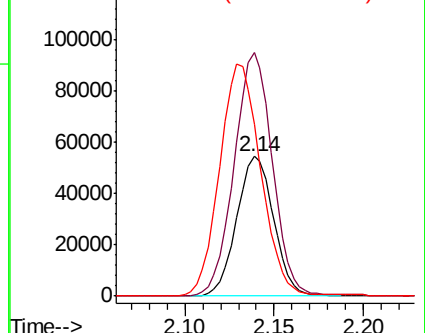
63 123.0 87.1 161.7

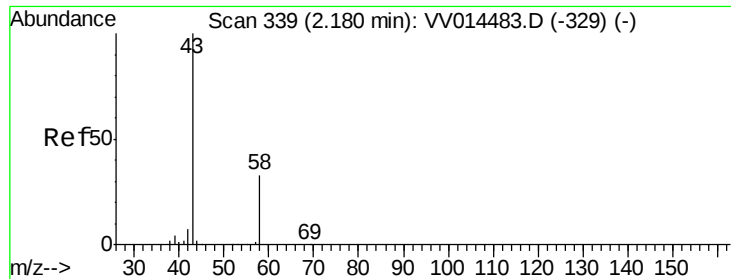


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 63.911 ug/L

RT: 2.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: VV014493.D

Acq: 04 Feb 2020 10:22

Instrument :

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ClientSampleId :

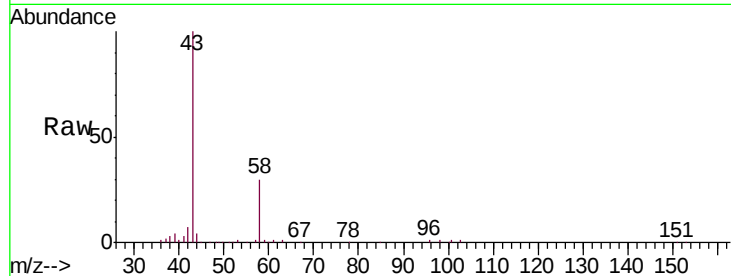
BFB86

Tgt Ion: 43 Resp: 83259

Ion Ratio Lower Upper

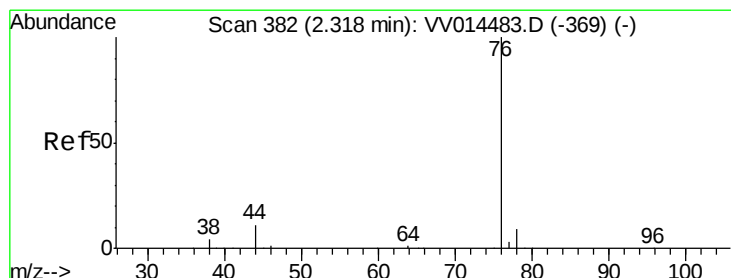
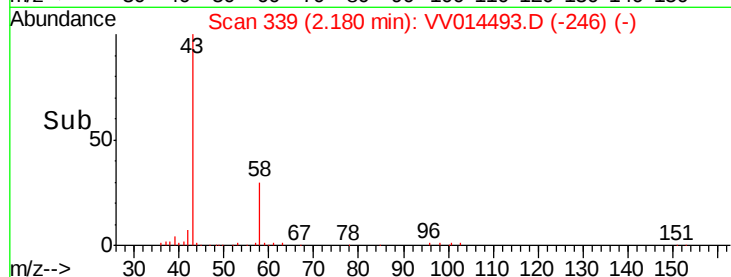
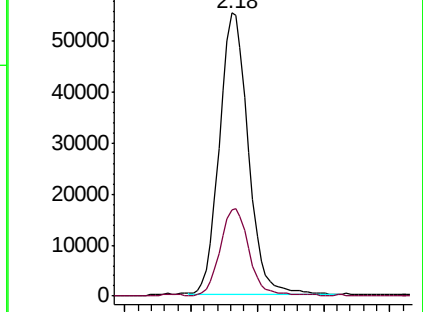
43 100

58 31.1 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VV014483.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV014483.D (-329) (-)



#14

Carbon disulfide

Concen: 50.098 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV014493.D

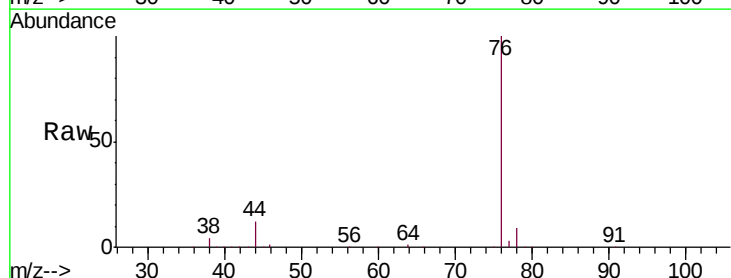
Acq: 04 Feb 2020 10:22

Tgt Ion: 76 Resp: 382426

Ion Ratio Lower Upper

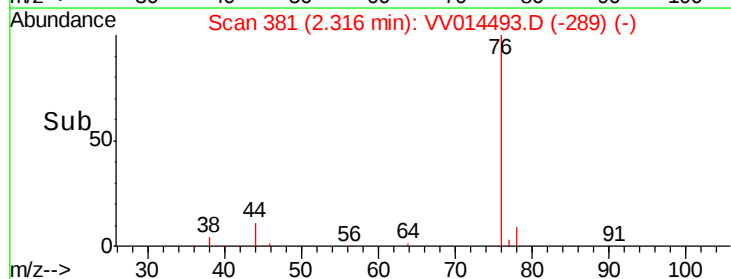
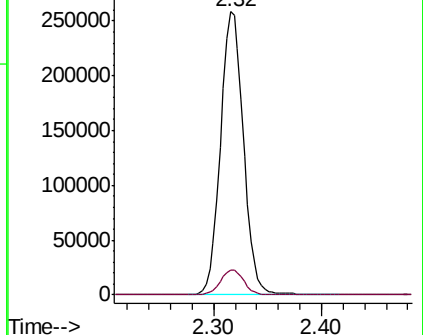
76 100

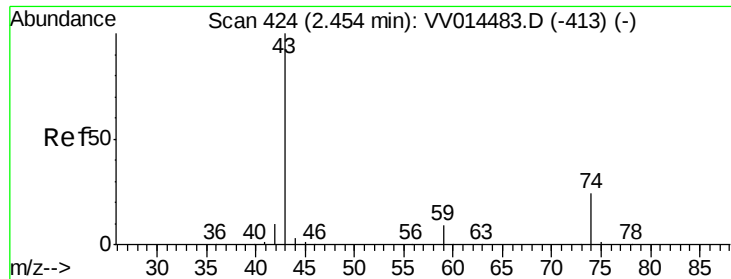
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV014483.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV014483.D (-369) (-)

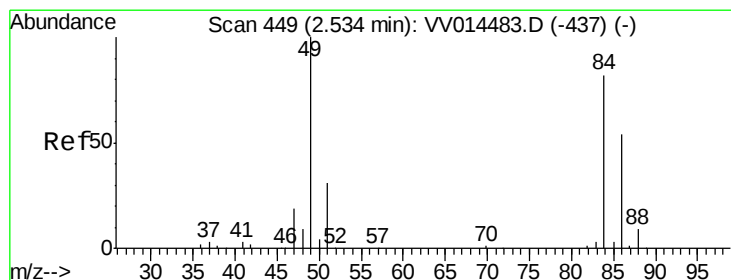
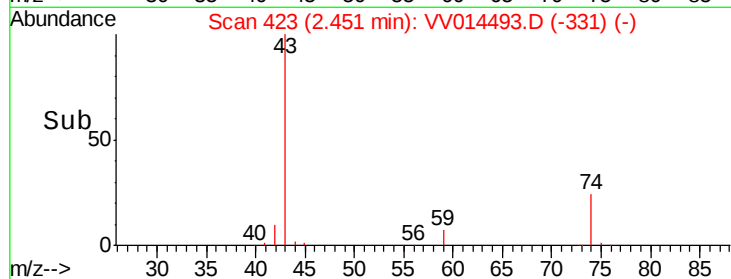
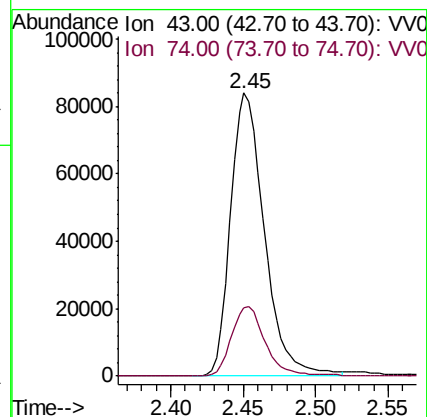
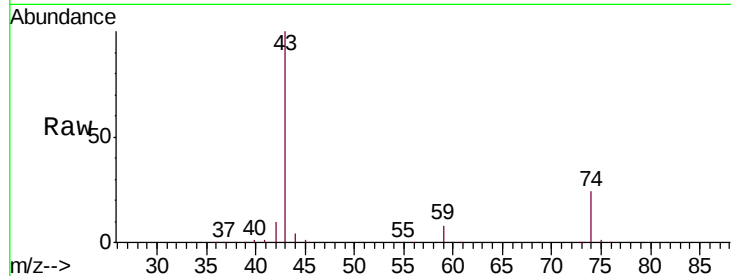




#15
Methyl Acetate
Concen: 53.860 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.00 min
Lab File: VV014493.D
Acq: 04 Feb 2020 10:22

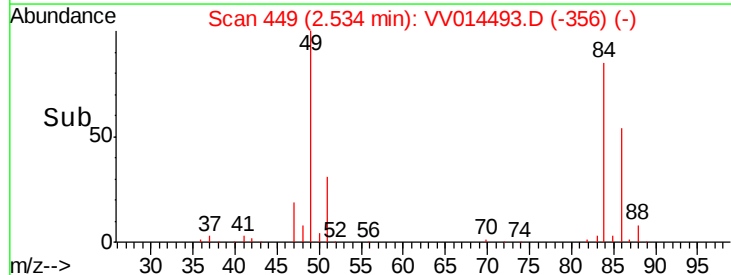
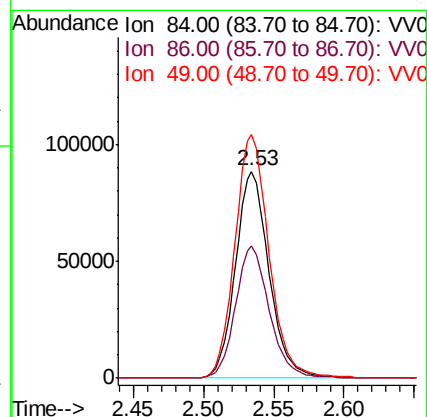
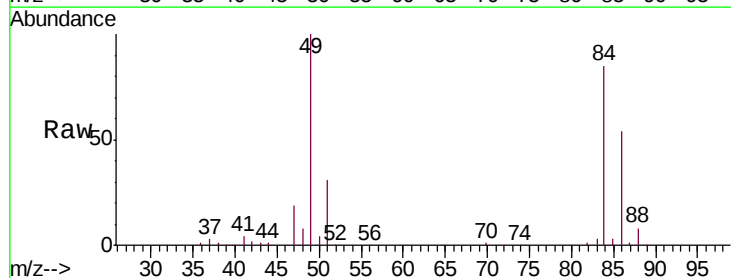
Instrument :
MSVOA_V
ClientSampleId :
BFB86

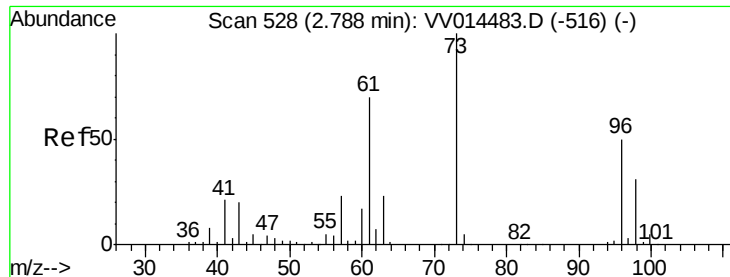
Tgt Ion: 43 Resp: 135214
Ion Ratio Lower Upper
43 100
74 24.4 19.6 29.4



#16
Methylene chloride
Concen: 49.355 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV014493.D
Acq: 04 Feb 2020 10:22

Tgt Ion: 84 Resp: 147702
Ion Ratio Lower Upper
84 100
86 63.7 45.6 84.8
49 117.8 82.7 153.7





#17

trans-1,2-Dichloroethene

Concen: 51.336 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV014493.D

Acq: 04 Feb 2020 10:22

Instrument :

MSVOA_V

ClientSampled :

BFB86

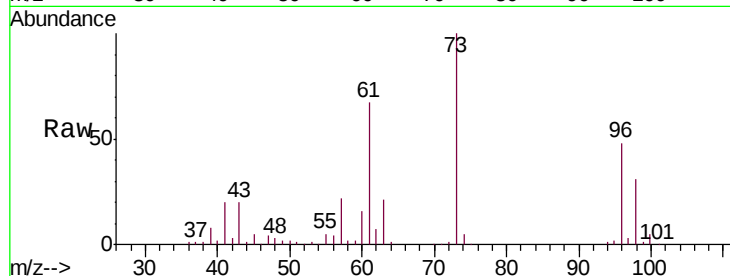
Tgt Ion: 96 Resp: 138391

Ion Ratio Lower Upper

96 100

61 138.0 96.7 179.7

98 63.8 44.1 81.9

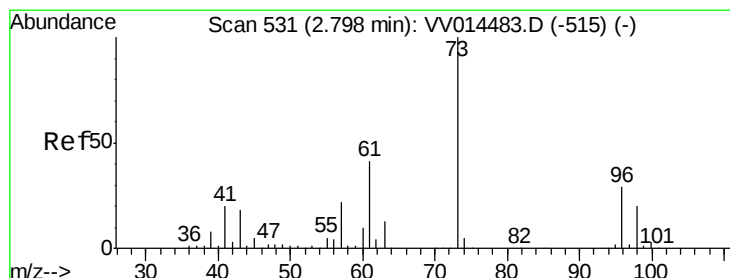
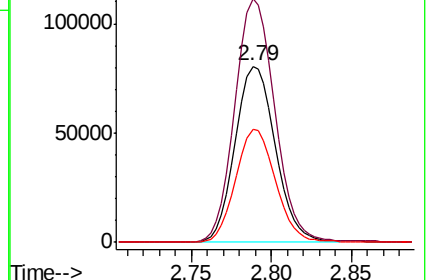
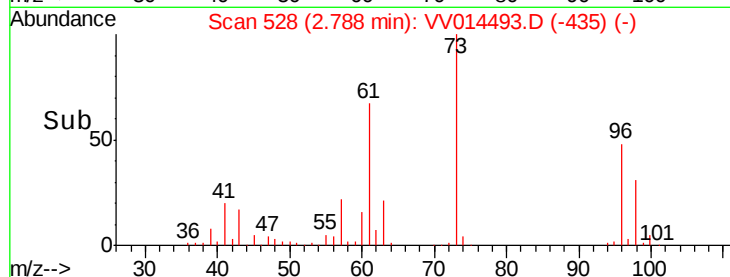


Abundance Ion 96.00 (95.70 to 96.70): VV014493.D (-435) (-)

Ion 61.00 (60.70 to 61.70): VV014493.D (-435) (-)

Ion 98.00 (97.70 to 98.70): VV014493.D (-435) (-)

Time-->



#18

Methyl tert-butyl Ether

Concen: 52.582 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV014493.D

Acq: 04 Feb 2020 10:22

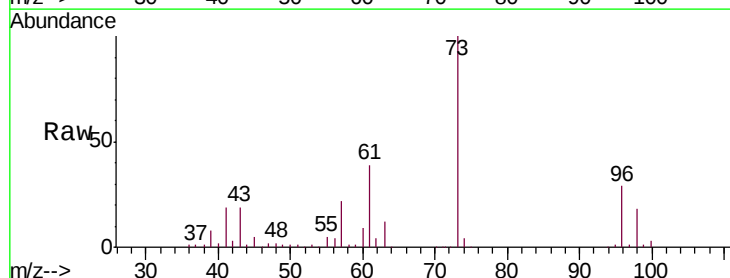
Tgt Ion: 73 Resp: 436015

Ion Ratio Lower Upper

73 100

43 18.8 14.1 21.1

57 22.2 17.9 26.9

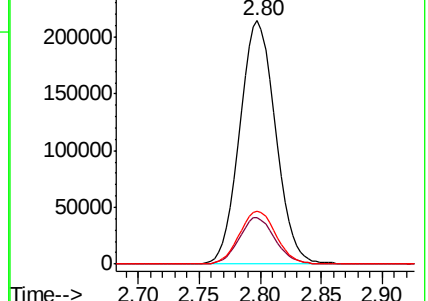
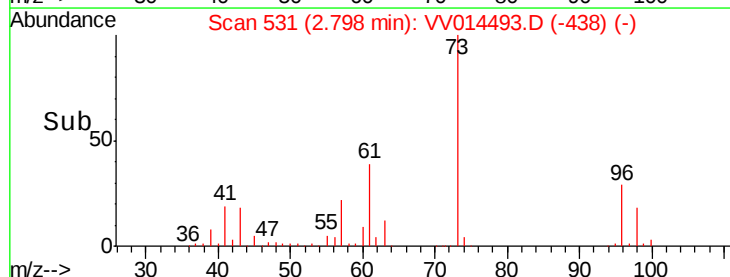


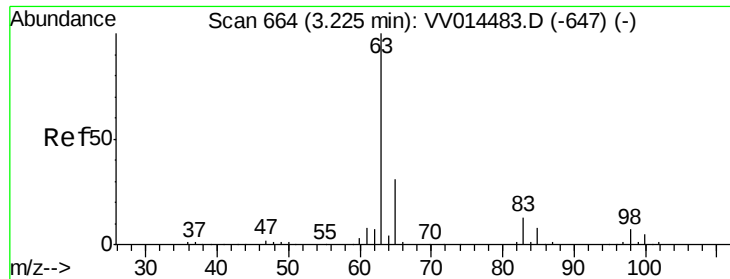
Abundance Ion 73.00 (72.70 to 73.70): VV014493.D (-438) (-)

Ion 43.00 (42.70 to 43.70): VV014493.D (-438) (-)

Ion 57.00 (56.70 to 57.70): VV014493.D (-438) (-)

Time-->

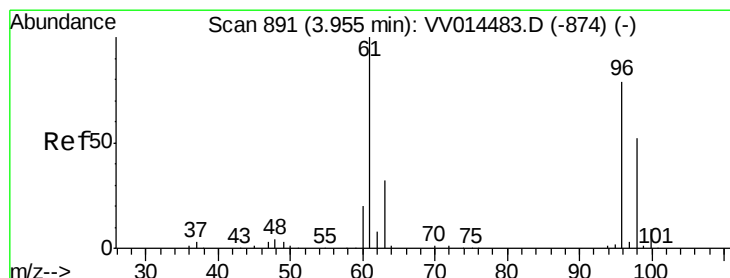
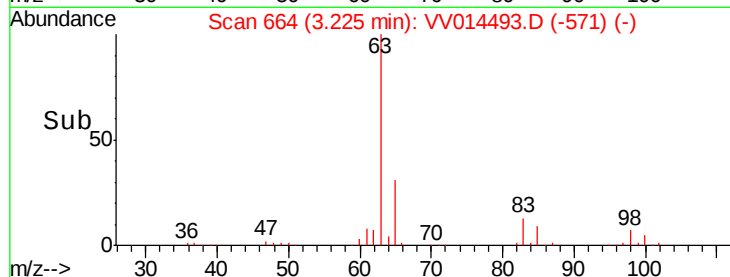
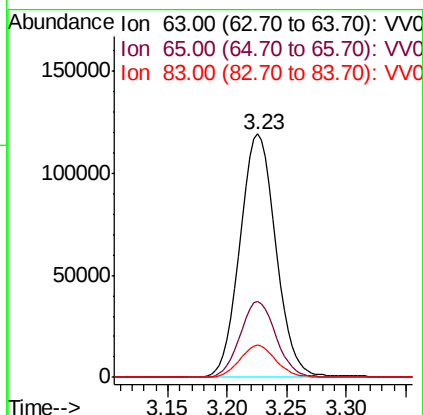
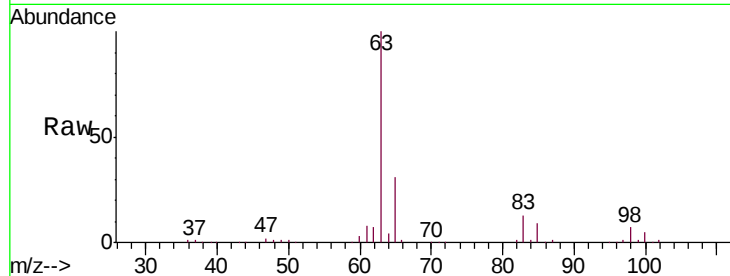




#19
 1,1-Dichloroethane
 Concen: 50.824 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV014493.D
 Acq: 04 Feb 2020 10:22

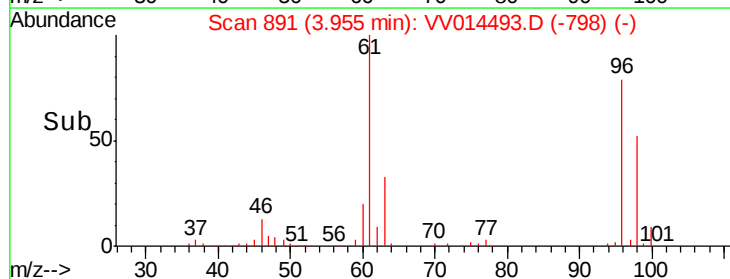
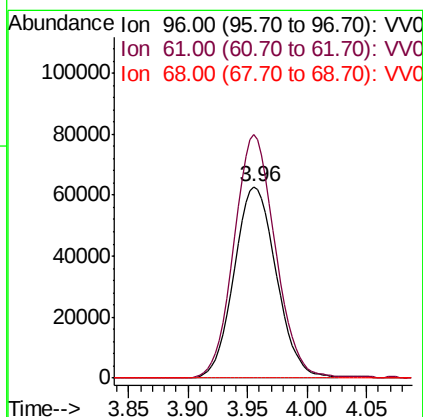
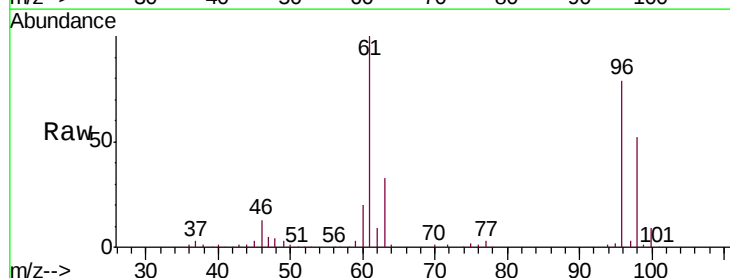
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB86

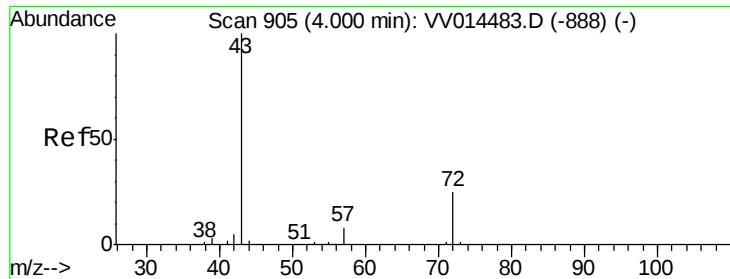
Tgt Ion: 63 Resp: 250009
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.1 41.1
 83 13.2 9.4 17.6



#20
 cis-1,2-Dichloroethene
 Concen: 51.280 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VV014493.D
 Acq: 04 Feb 2020 10:22

Tgt Ion: 96 Resp: 154180
 Ion Ratio Lower Upper
 96 100
 61 127.2 88.9 165.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 95.686 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.00 min

Lab File: VV014493.D

Acq: 04 Feb 2020 10:22

Instrument :

MSVOA_V

ClientSampleId :

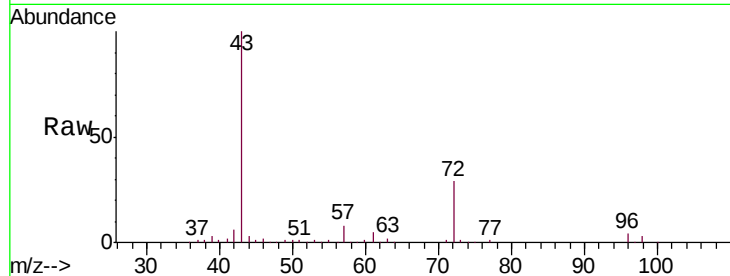
BFB86

Tgt Ion: 43 Resp: 179618

Ion Ratio Lower Upper

43 100

72 26.5 13.8 41.3



Abundance Ion 43.00 (42.70 to 43.70): VV014483.D (-888) (-)

Ion 72.00 (71.70 to 72.70): VV014483.D (-888) (-)

4.00

60000

40000

20000

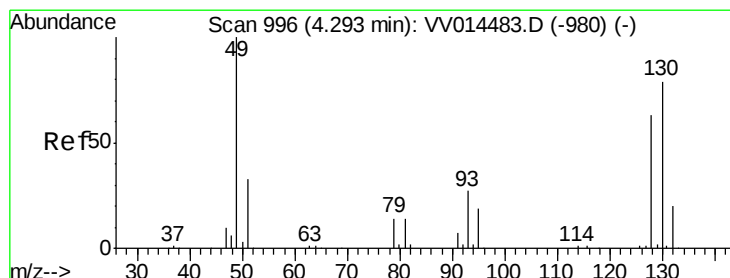
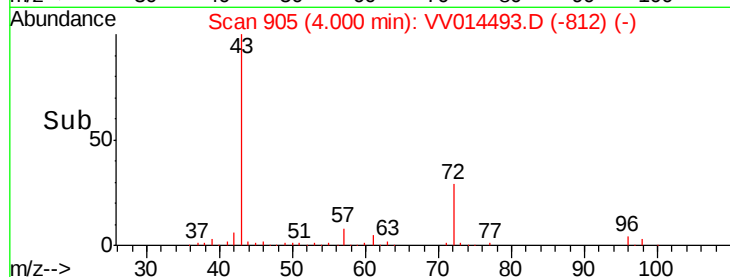
0

Time-->

3.90

4.00

4.10



#23

Bromochloromethane

Concen: 50.571 ug/L

RT: 4.29 min Scan# 995

Delta R.T. -0.00 min

Lab File: VV014493.D

Acq: 04 Feb 2020 10:22

Tgt Ion: 128 Resp: 71280

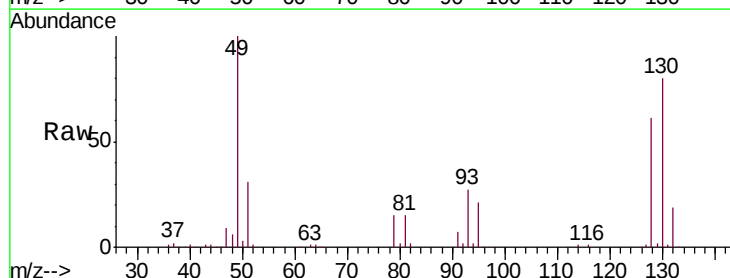
Ion Ratio Lower Upper

128 100

49 164.8 118.8 220.6

130 131.3 90.7 168.5

51 50.6 42.8 64.2



Abundance Ion 128.00 (127.70 to 128.70): VV014483.D (-980) (-)

Ion 49.00 (48.70 to 49.70): VV014483.D (-980) (-)

Ion 130.00 (129.70 to 130.70): VV014483.D (-980) (-)

Ion 51.00 (50.70 to 51.70): VV014483.D (-980) (-)

60000

40000

20000

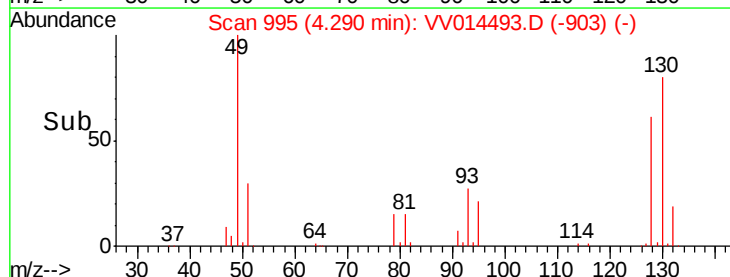
0

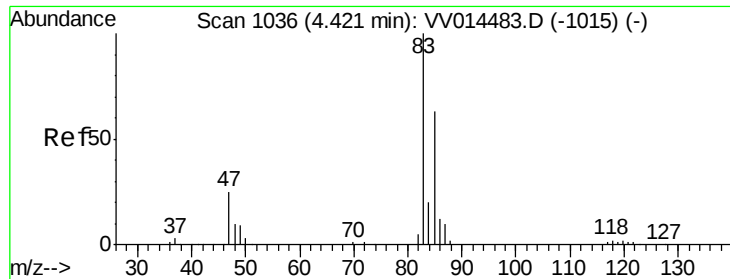
Time-->

4.20

4.30

4.40

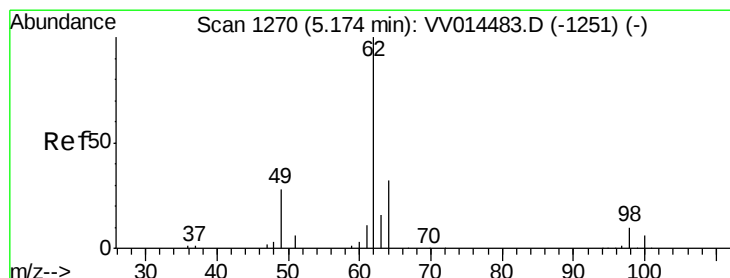
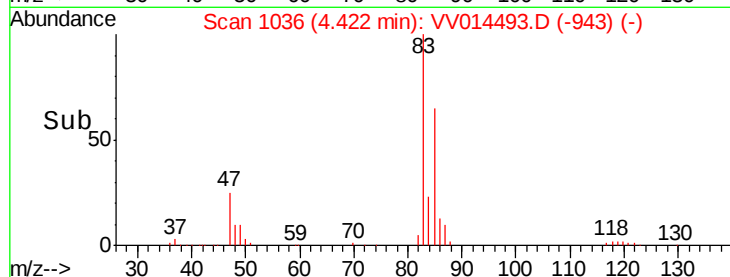
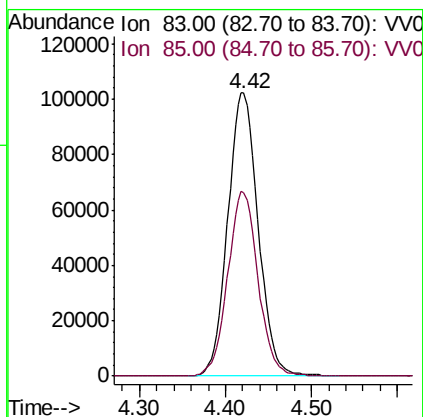
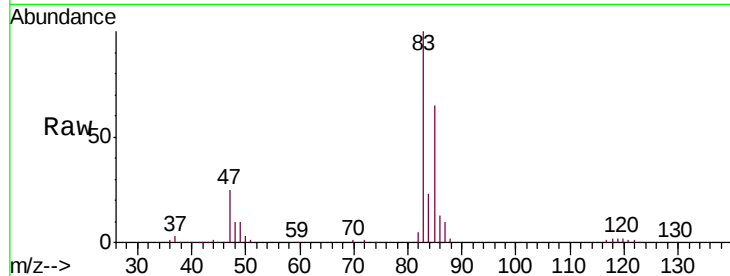




#25
Chloroform
Concen: 50.727 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV014493.D
Acq: 04 Feb 2020 10:22

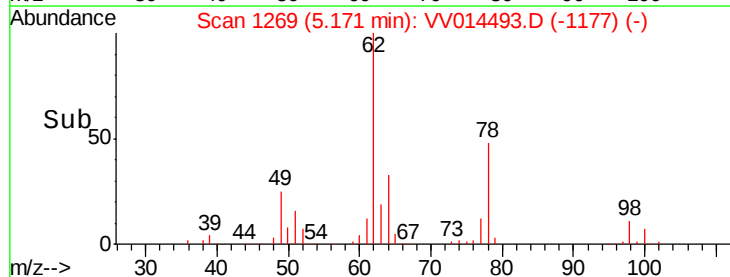
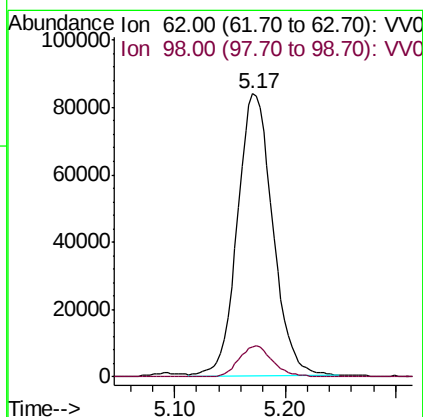
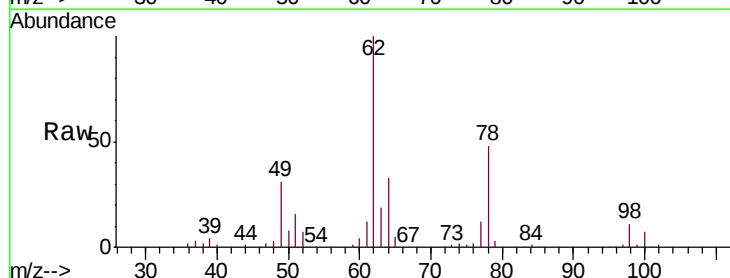
Instrument :
MSVOA_V
ClientSampleId :
BFB86

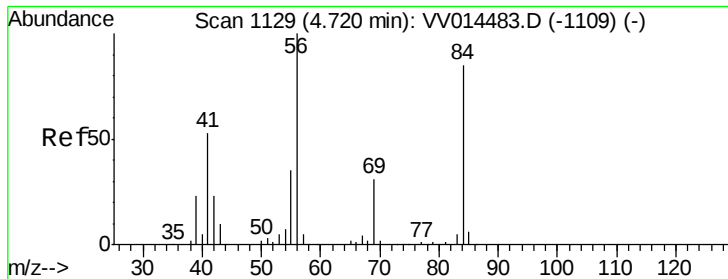
Tgt Ion: 83 Resp: 251345
Ion Ratio Lower Upper
83 100
85 65.0 45.1 83.7



#27
1,2-Dichloroethane
Concen: 52.566 ug/L
RT: 5.17 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VV014493.D
Acq: 04 Feb 2020 10:22

Tgt Ion: 62 Resp: 185178
Ion Ratio Lower Upper
62 100
98 10.6 8.0 12.0

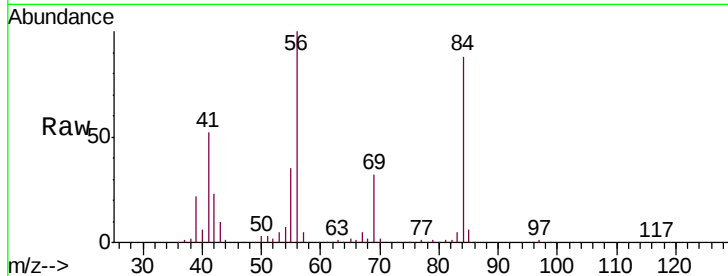




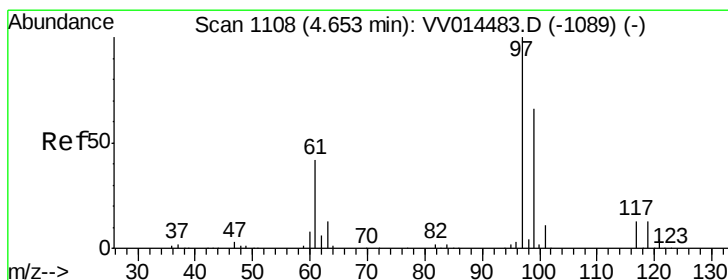
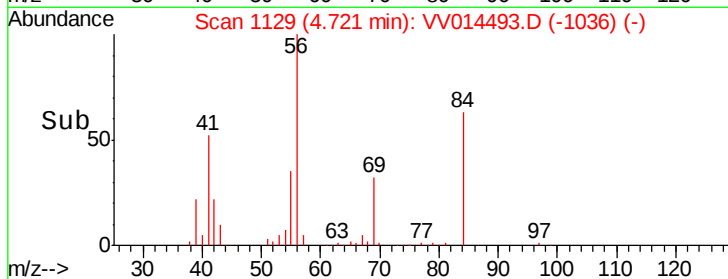
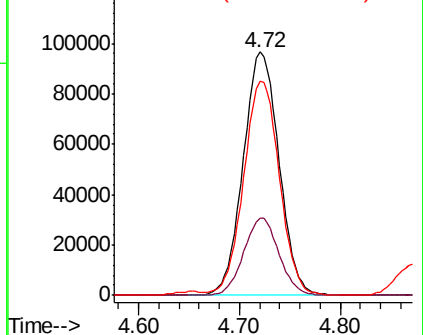
#29
Cyclohexane
Concen: 50.621 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VV014493.D
Acq: 04 Feb 2020 10:22

Instrument :
MSVOA_V
ClientSampleId :
BFB86

Tgt Ion: 56 Resp: 237804
Ion Ratio Lower Upper
56 100
69 31.4 24.9 37.3
84 87.2 68.6 103.0

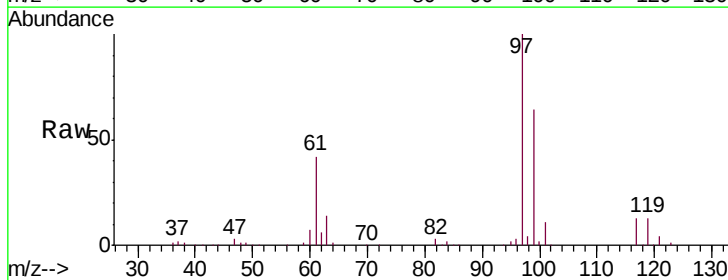


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

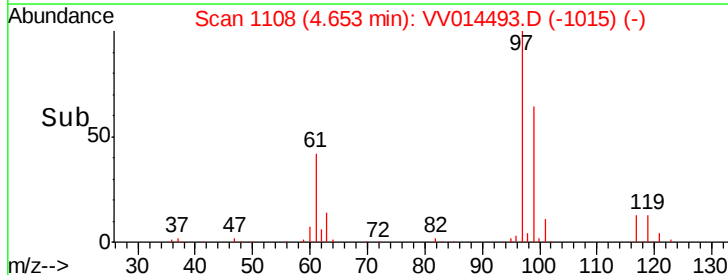
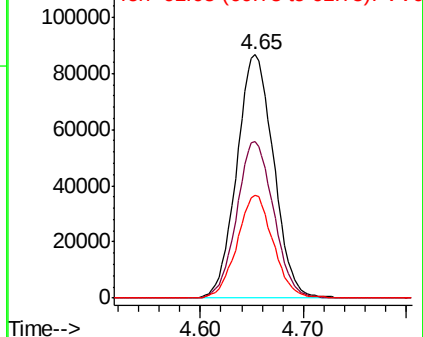


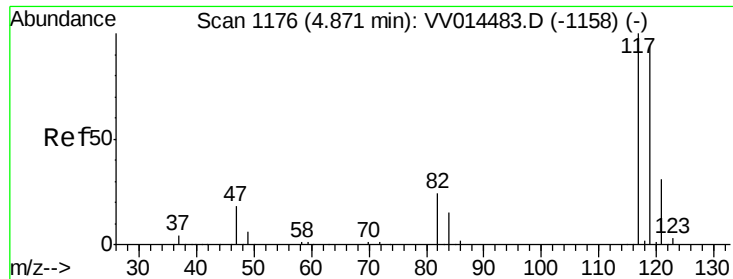
#30
1,1,1-Trichloroethane
Concen: 52.302 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV014493.D
Acq: 04 Feb 2020 10:22

Tgt Ion: 97 Resp: 215514
Ion Ratio Lower Upper
97 100
99 64.4 50.6 76.0
61 41.5 33.0 49.4



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: 52.249 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV014493.D

Acq: 04 Feb 2020 10:22

Instrument :

MSVOA_V

ClientSampleId :

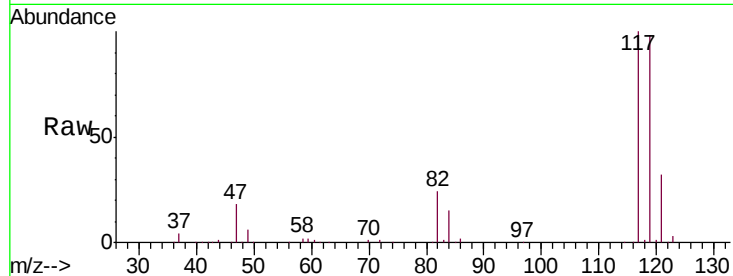
BFB86

Tgt Ion:117 Resp: 187850

Ion Ratio Lower Upper

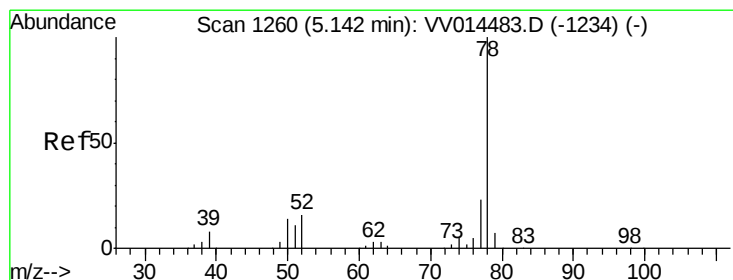
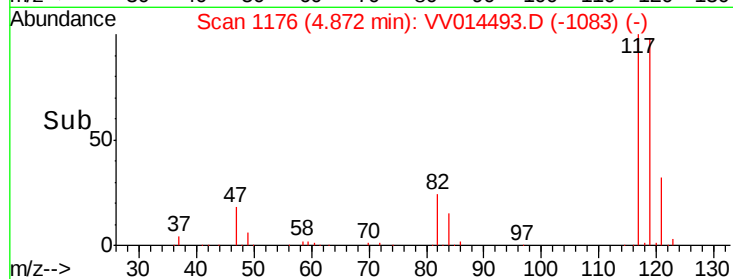
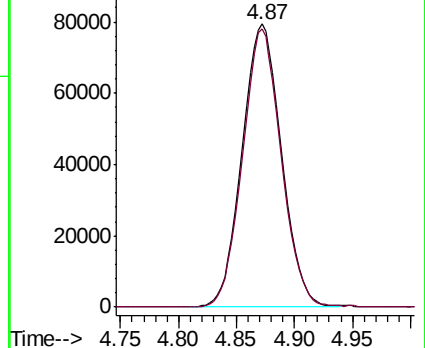
117 100

119 96.3 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.026 ug/L

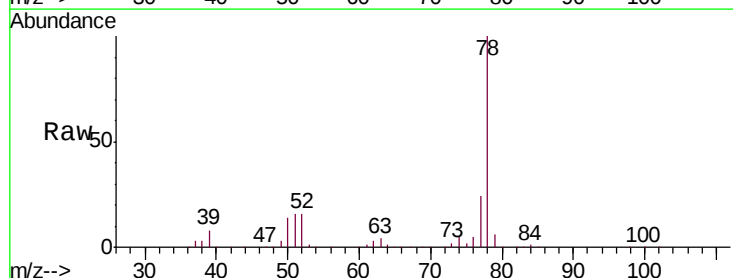
RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

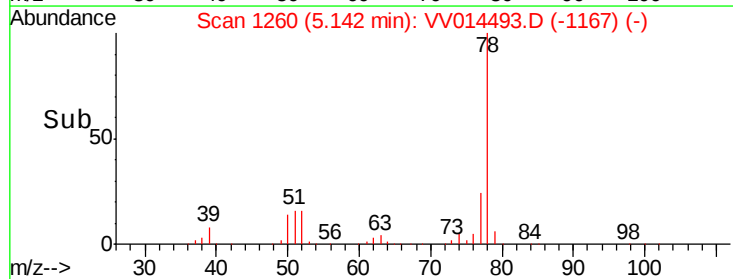
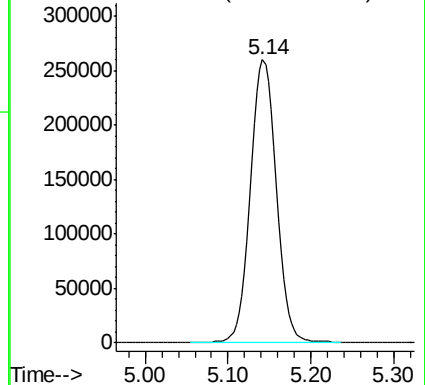
Lab File: VV014493.D

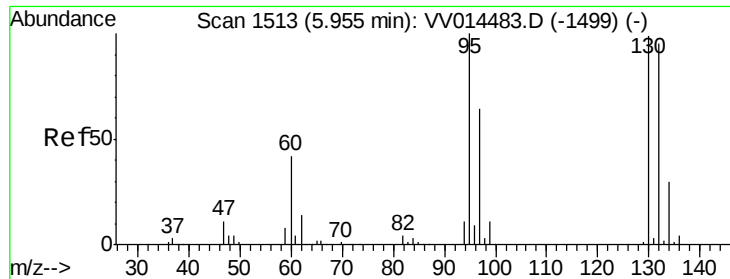
Acq: 04 Feb 2020 10:22

Tgt Ion: 78 Resp: 567593



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 50.972 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014493.D

Acq: 04 Feb 2020 10:22

Instrument :

MSVOA_V

ClientSampleId :

BFB86

Tgt Ion: 95 Resp: 146068

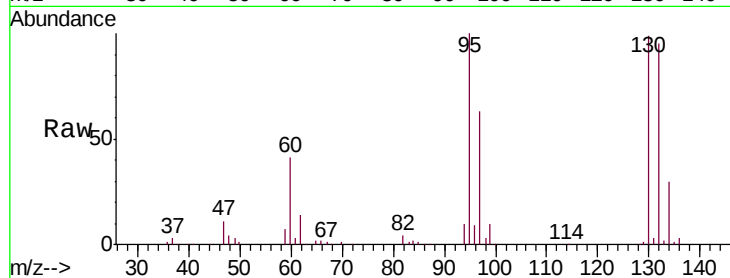
Ion Ratio Lower Upper

95 100

97 63.5 44.7 83.1

132 94.6 65.4 121.4

130 99.3 67.7 125.7



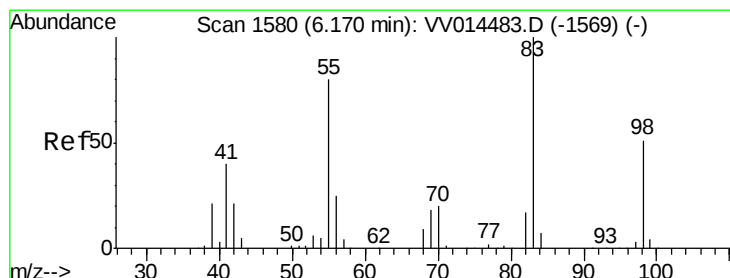
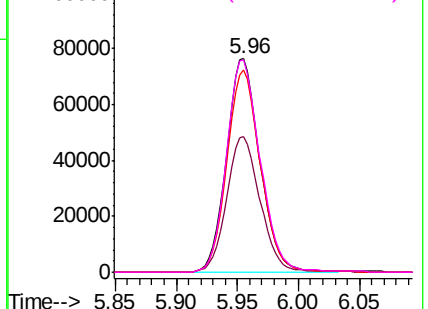
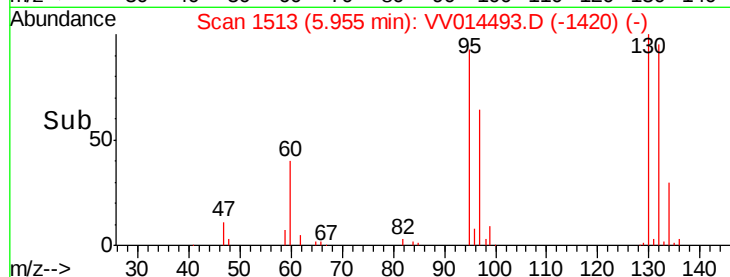
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 50.059 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014493.D

Acq: 04 Feb 2020 10:22

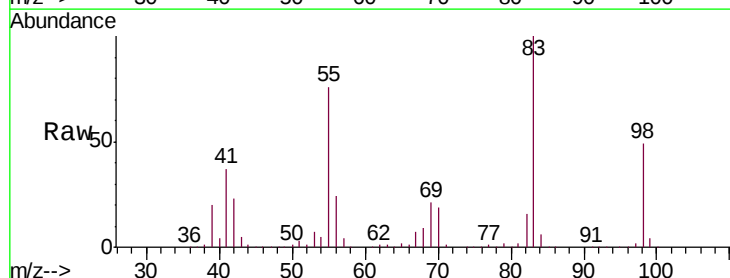
Tgt Ion: 83 Resp: 238359

Ion Ratio Lower Upper

83 100

55 76.8 60.4 90.6

98 48.7 39.2 58.8

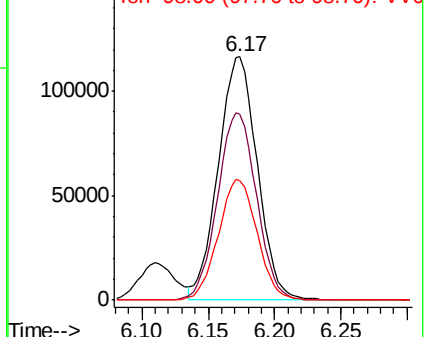
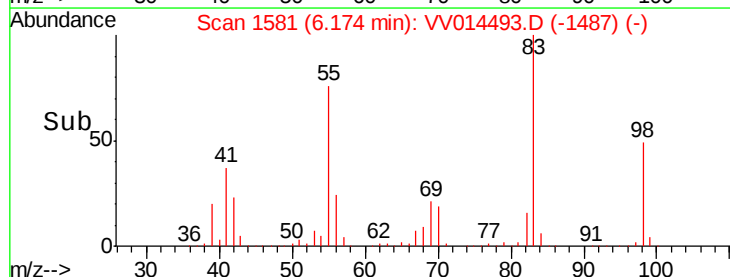


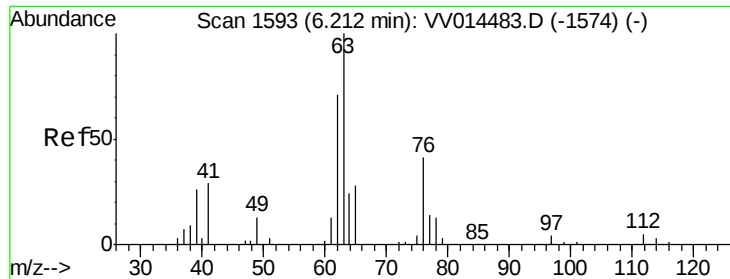
Abundance

Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

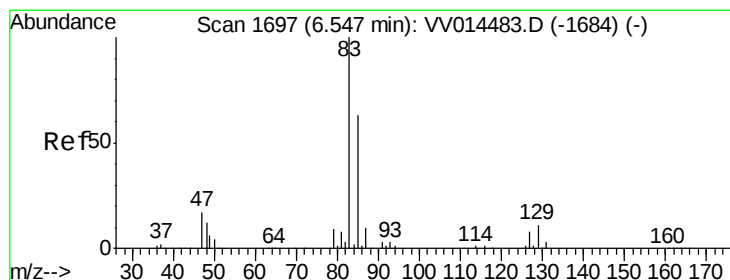
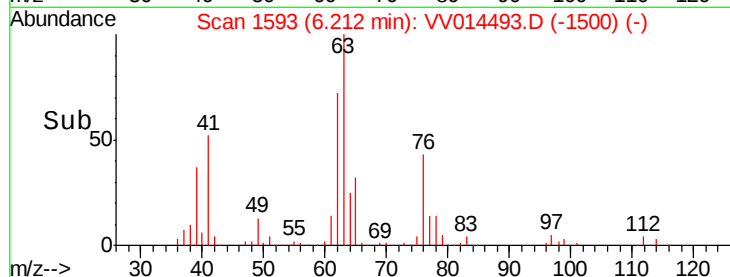
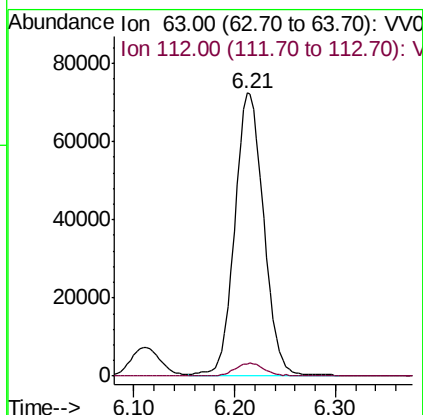
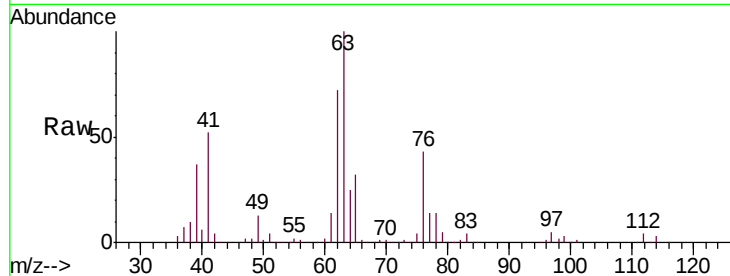




#37
 1,2-Dichloropropane
 Concen: 50.897 ug/L
 RT: 6.21 min Scan# 1593
 Delta R.T. 0.00 min
 Lab File: VV014493.D
 Acq: 04 Feb 2020 10:22

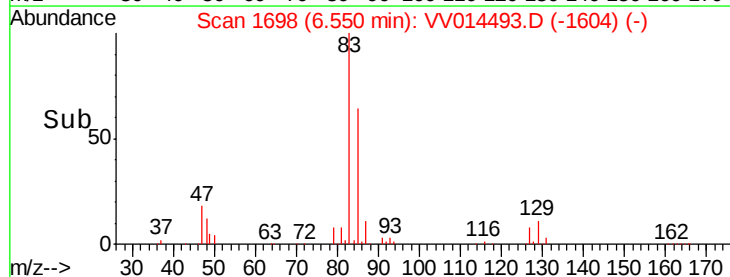
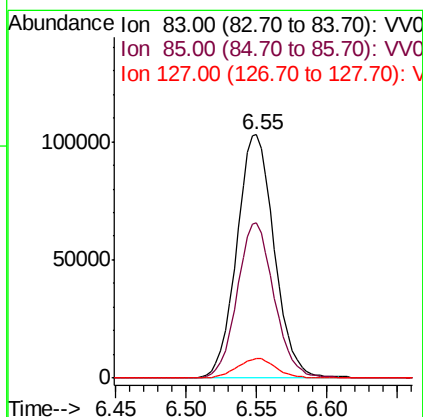
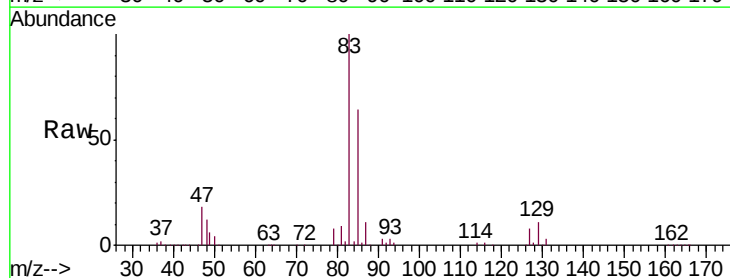
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB86

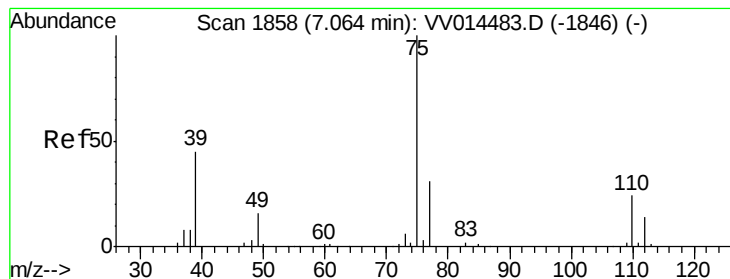
Tgt Ion: 63 Resp: 144311
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.6



#38
 Bromodichloromethane
 Concen: 50.507 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014493.D
 Acq: 04 Feb 2020 10:22

Tgt Ion: 83 Resp: 191740
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.9 83.3
 127 8.0 6.3 9.5



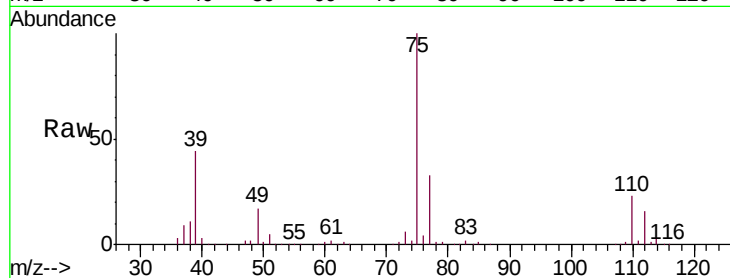


#39

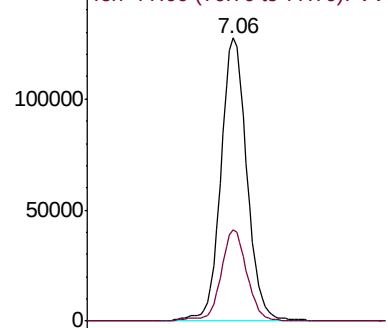
cis-1,3-Dichloropropene
Concen: 48.557 ug/L
RT: 7.06 min Scan# 1858
Delta R.T. 0.00 min
Lab File: VV014493.D
Acq: 04 Feb 2020 10:22

Instrument :
MSVOA_V
ClientSampled :
BFB86

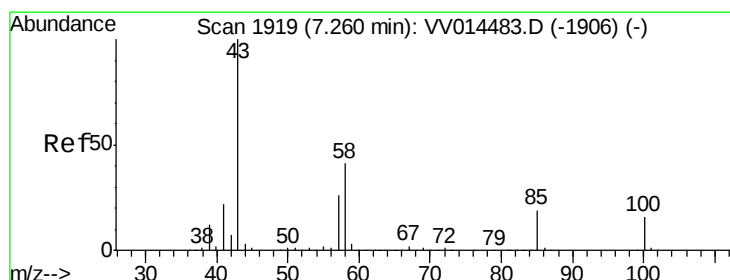
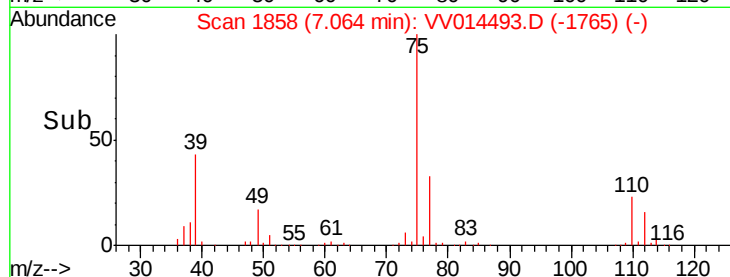
Tgt Ion: 75 Resp: 226390
Ion Ratio Lower Upper
75 100
77 32.5 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VV014493.D (-1846) (-)
Ion 77.00 (76.70 to 77.70): VV014493.D (-1846) (-)



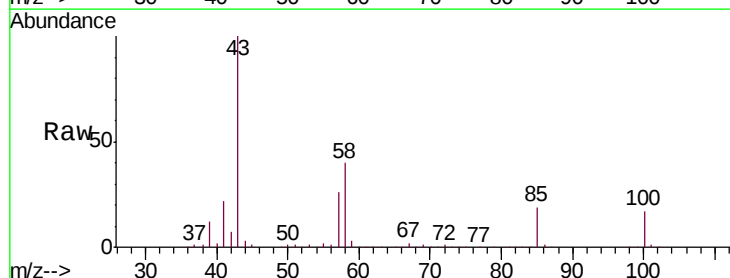
Time-->



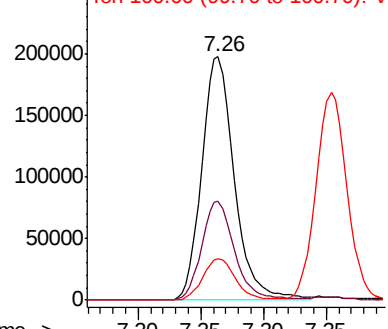
#40

4-Methyl-2-pentanone
Concen: 104.259 ug/L
RT: 7.26 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VV014493.D
Acq: 04 Feb 2020 10:22

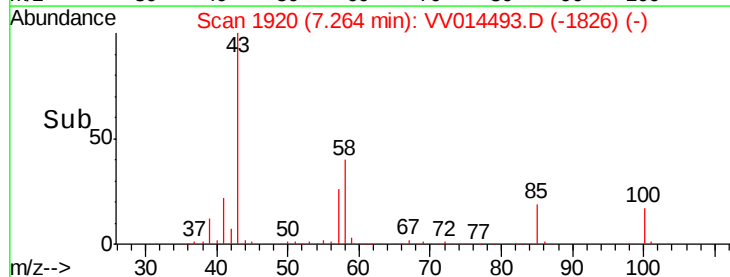
Tgt Ion: 43 Resp: 357386
Ion Ratio Lower Upper
43 100
58 40.7 31.9 47.9
100 17.0 12.2 18.4

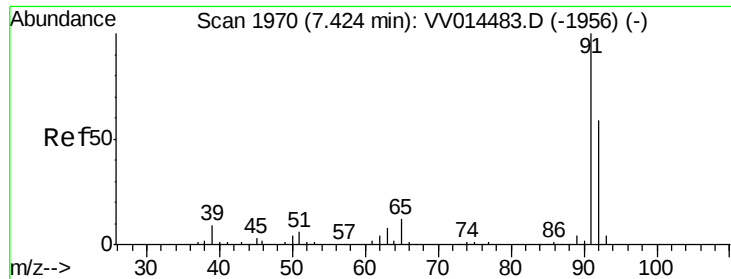


Abundance Ion 43.00 (42.70 to 43.70): VV014493.D (-1826) (-)
Ion 58.00 (57.70 to 58.70): VV014493.D (-1826) (-)
Ion 100.00 (99.70 to 100.70): VV014493.D (-1826) (-)



Time-->





#42

Toluene

Concen: 50.619 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VV014493.D

Acq: 04 Feb 2020 10:22

Instrument :

MSVOA_V

ClientSampleId :

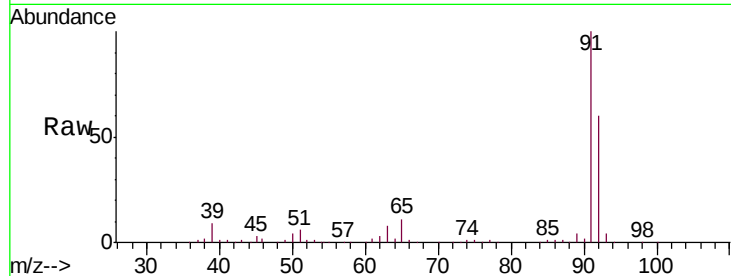
BFB86

Tgt Ion: 91 Resp: 601209

Ion Ratio Lower Upper

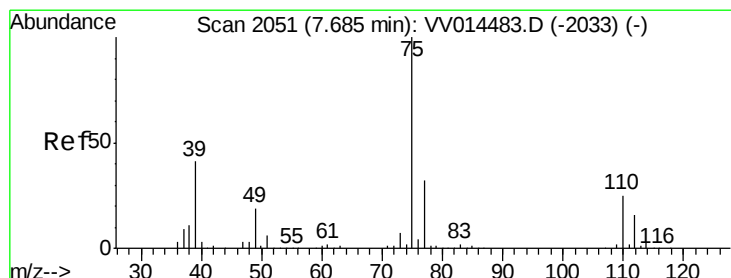
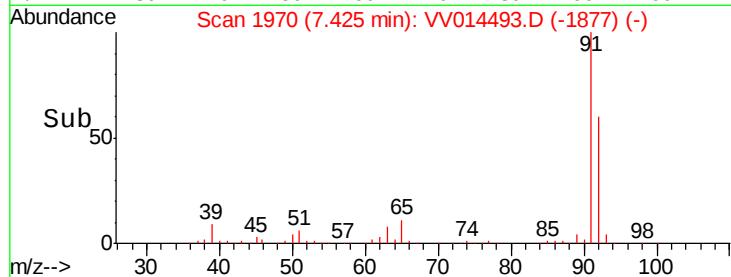
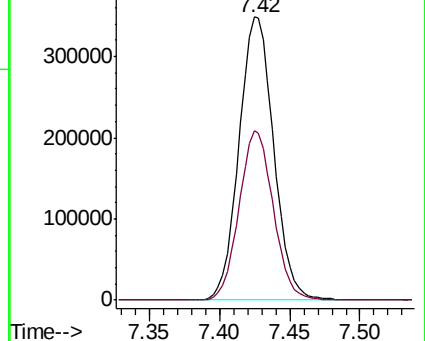
91 100

92 59.7 41.0 76.2



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: 47.736 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014493.D

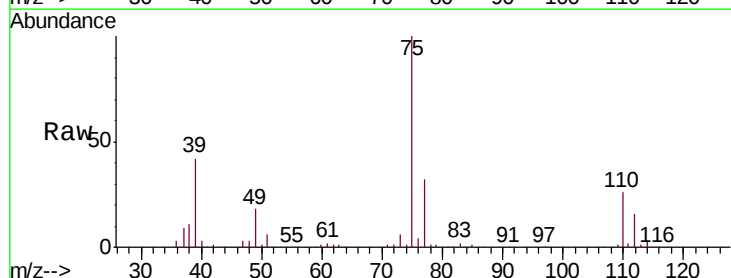
Acq: 04 Feb 2020 10:22

Tgt Ion: 75 Resp: 197651

Ion Ratio Lower Upper

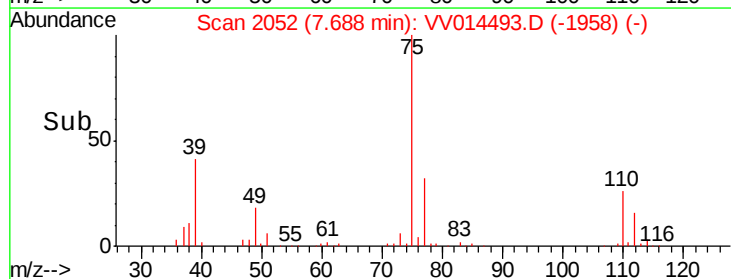
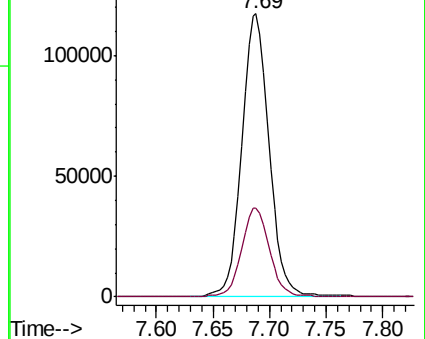
75 100

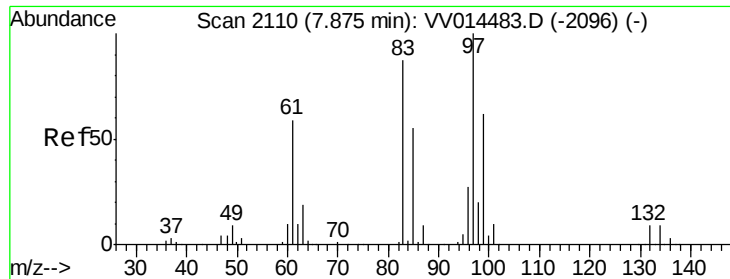
77 31.6 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

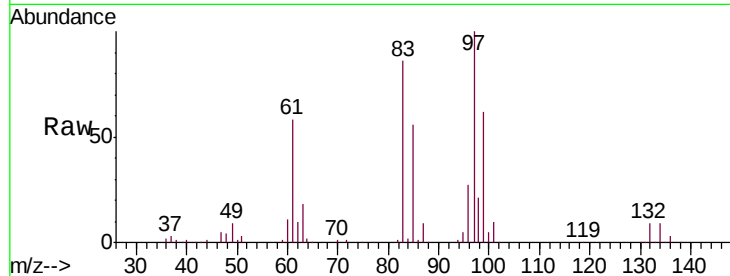




#45
 1,1,2-Trichloroethane
 Concen: 50.872 ug/L
 RT: 7.87 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VV014493.D
 Acq: 04 Feb 2020 10:22

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB86

Tgt Ion:	97	Resp:	136282
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.8	81.3
83	85.6	60.0	111.4
85	55.6	37.2	69.0



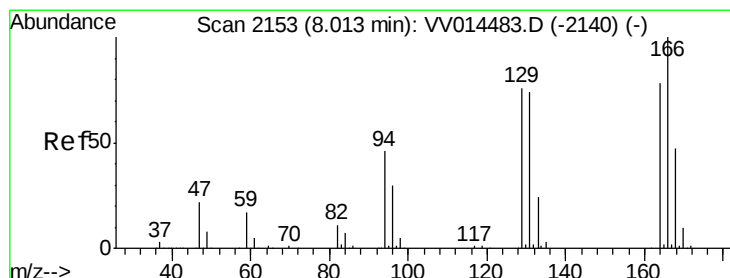
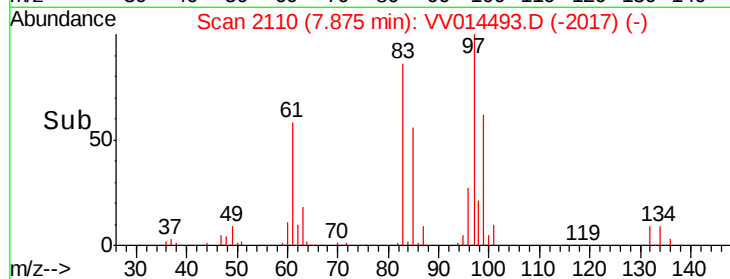
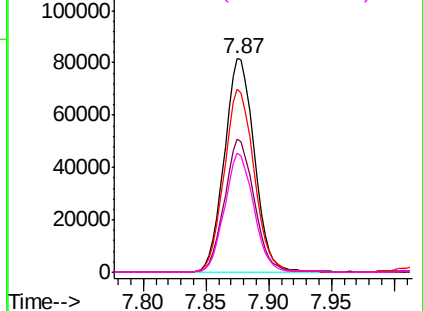
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

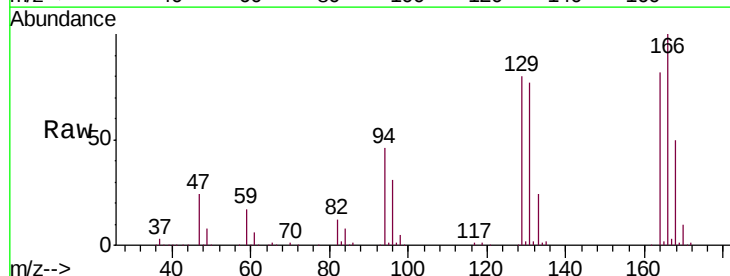
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 51.787 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV014493.D
 Acq: 04 Feb 2020 10:22

Tgt Ion:	164	Resp:	108533
Ion	Ratio	Lower	Upper
164	100		
129	97.9	70.4	130.8
131	93.9	65.5	121.7
166	122.3	89.9	166.9



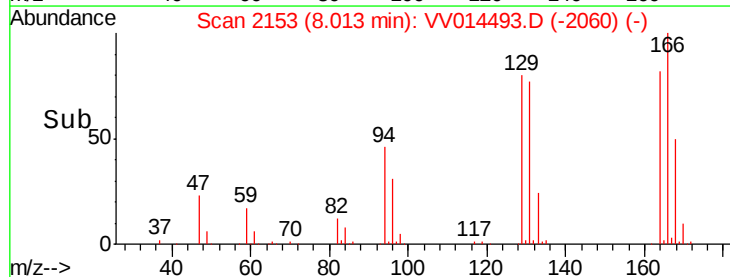
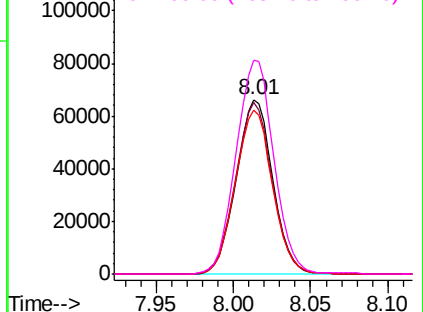
Abundance

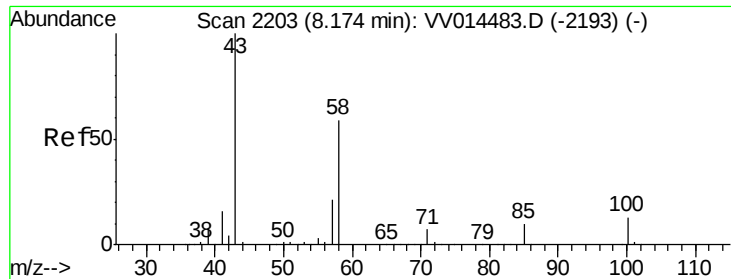
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

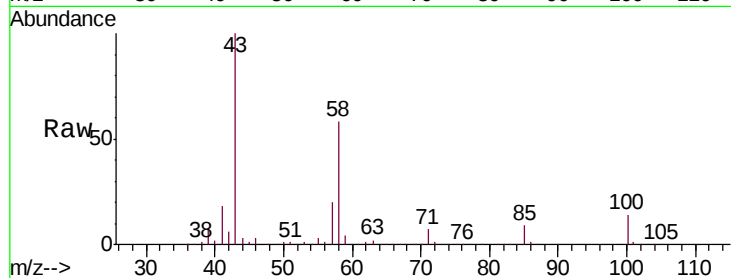




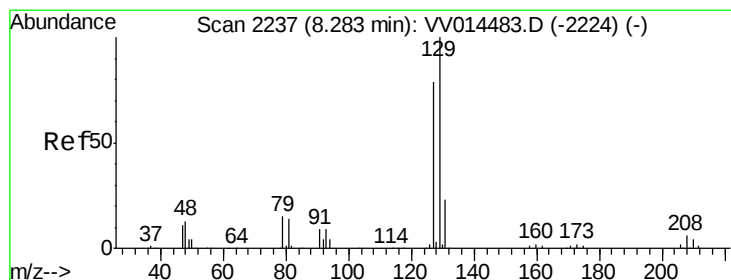
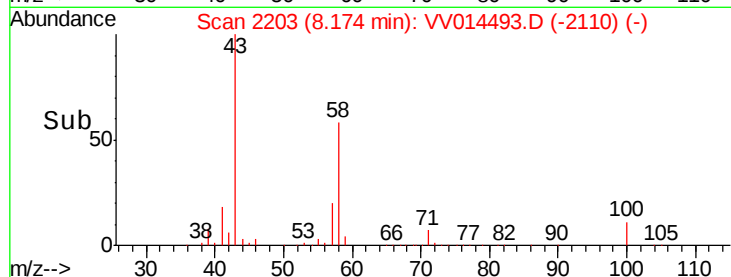
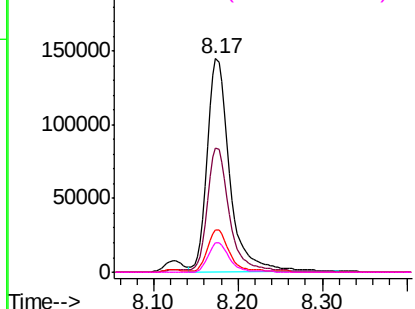
#48
2-Hexanone
Concen: 100.029 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VV014493.D
Acq: 04 Feb 2020 10:22

Instrument :
MSVOA_V
ClientSampleId :
BFB86

Tgt Ion: 43 Resp: 268216
Ion Ratio Lower Upper
43 100
58 57.5 48.0 72.0
57 19.6 15.0 22.6
100 13.3 10.4 15.6

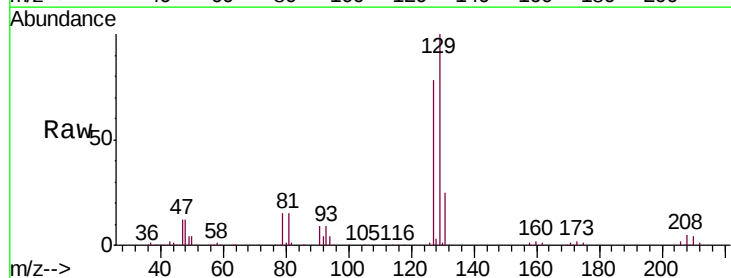


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

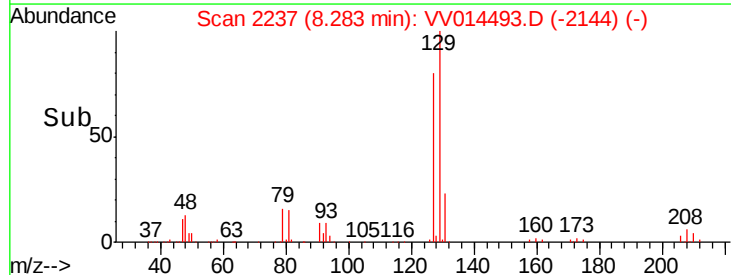
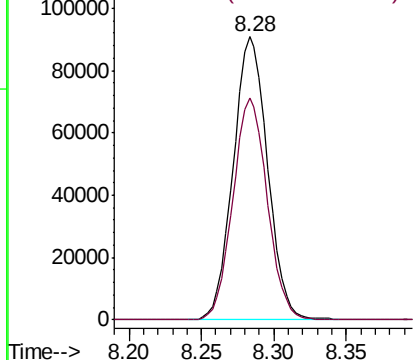


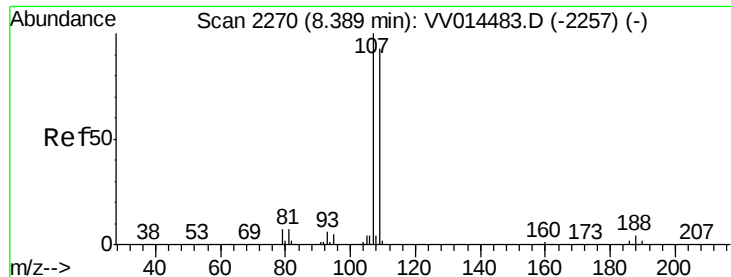
#49
Dibromochloromethane
Concen: 50.836 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VV014493.D
Acq: 04 Feb 2020 10:22

Tgt Ion: 129 Resp: 149837
Ion Ratio Lower Upper
129 100
127 78.2 55.1 102.3



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

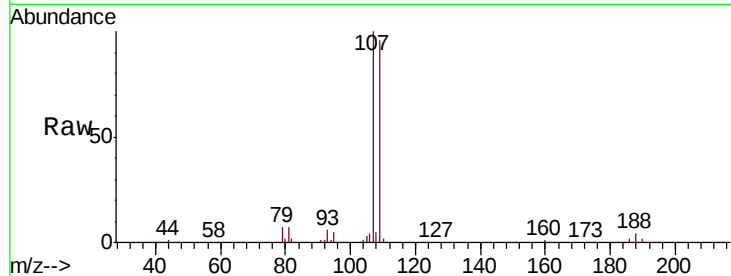




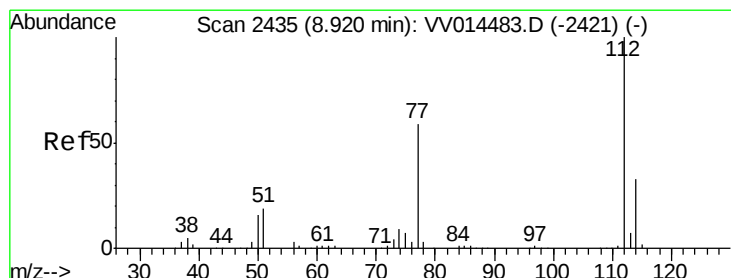
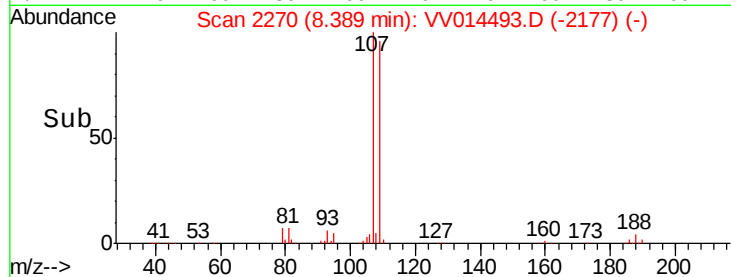
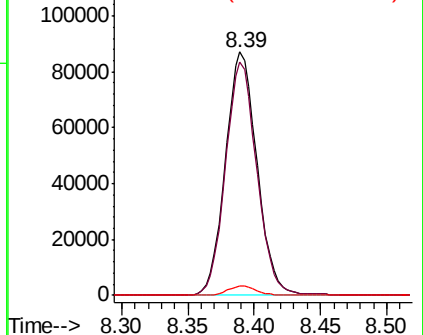
#50
1,2-Dibromoethane
Concen: 50.550 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VV014493.D
Acq: 04 Feb 2020 10:22

Instrument :
MSVOA_V
ClientSampleId :
BFB86

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.8	65.5	121.7
188	3.6	2.6	3.8

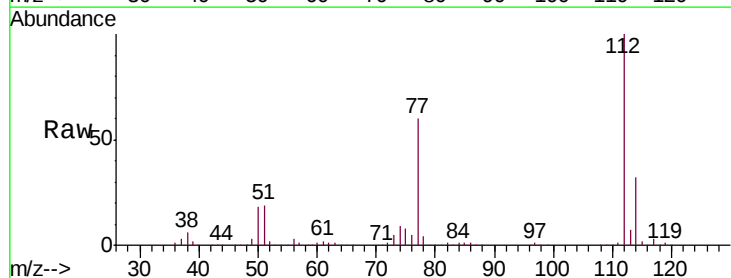


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

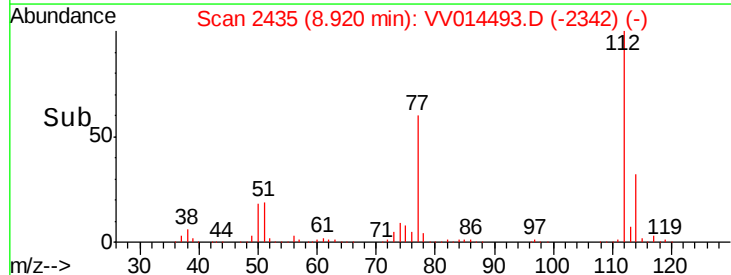
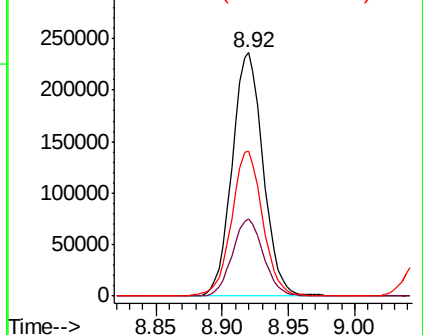


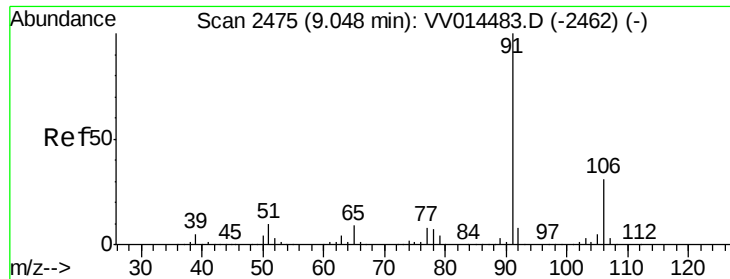
#51
Chlorobenzene
Concen: 50.476 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014493.D
Acq: 04 Feb 2020 10:22

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.5	41.9
77	59.8	47.5	71.3



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): VV0





#52

Ethylbenzene

Concen: 50.350 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. 0.00 min

Lab File: VV014493.D

Acq: 04 Feb 2020 10:22

Instrument :

MSVOA_V

ClientSampleId :

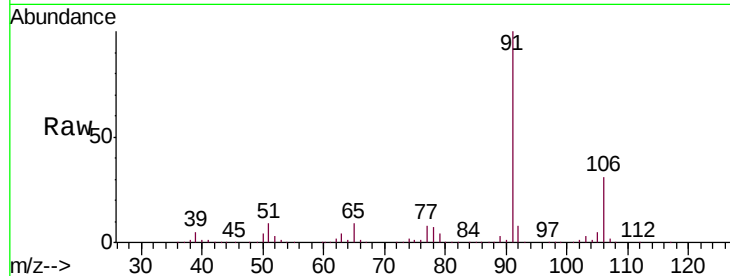
BFB86

Tgt Ion: 91 Resp: 671184

Ion Ratio Lower Upper

91 100

106 31.5 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV014483.D (-2462) (-)

Ion 106.00 (105.70 to 106.70): VV014493.D (-2382) (-)

9.05

400000

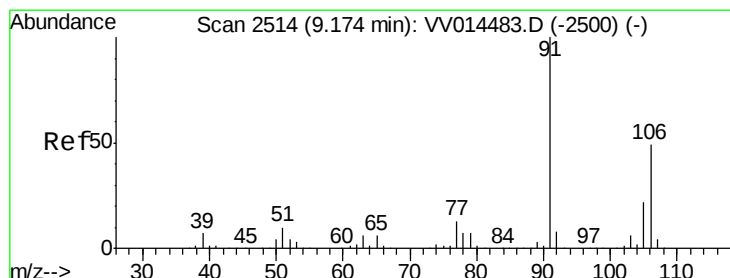
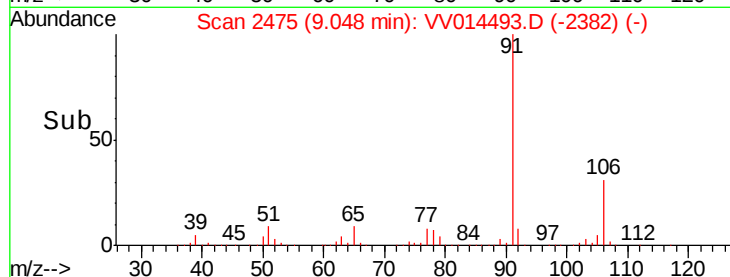
300000

200000

100000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#53

m,p-Xylene

Concen: 51.742 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014493.D

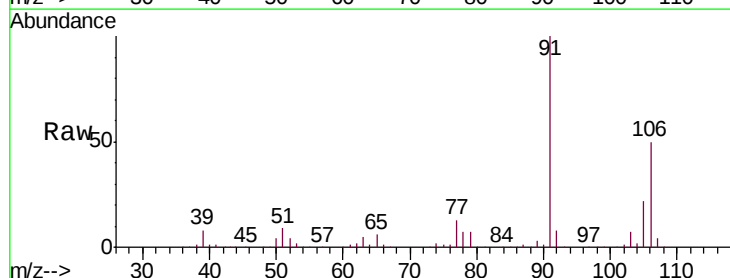
Acq: 04 Feb 2020 10:22

Tgt Ion: 106 Resp: 257553

Ion Ratio Lower Upper

106 100

91 200.6 140.9 261.7



Abundance Ion 106.00 (105.70 to 106.70): VV014483.D (-2500) (-)

Ion 91.00 (90.70 to 91.70): VV014493.D (-2421) (-)

9.18

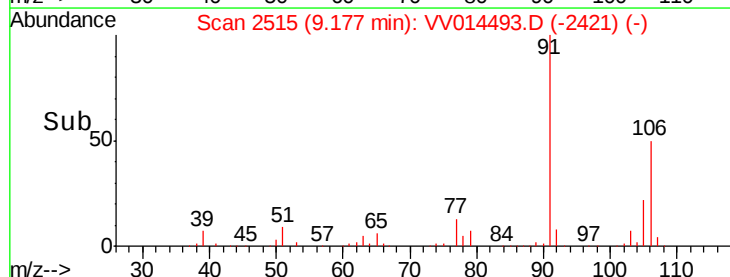
300000

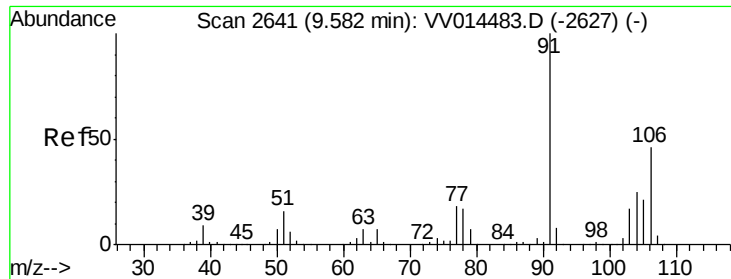
200000

100000

0

Time--> 9.10 9.15 9.20 9.25





#54

o-xylene

Concen: 50.081 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014493.D

Acq: 04 Feb 2020 10:22

Instrument :

MSVOA_V

ClientSampleId :

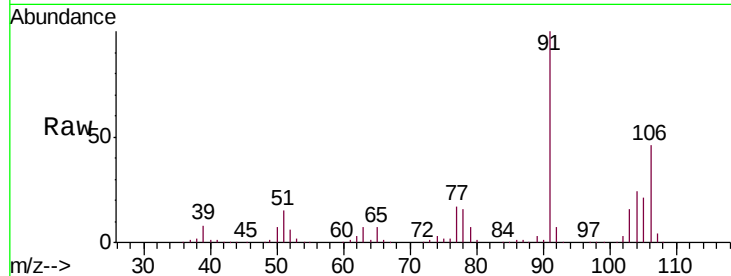
BFB86

Tgt Ion:106 Resp: 247013

Ion Ratio Lower Upper

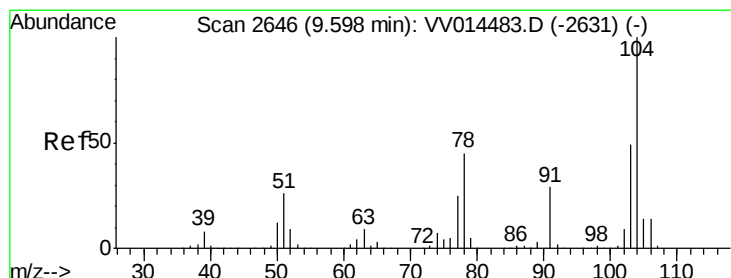
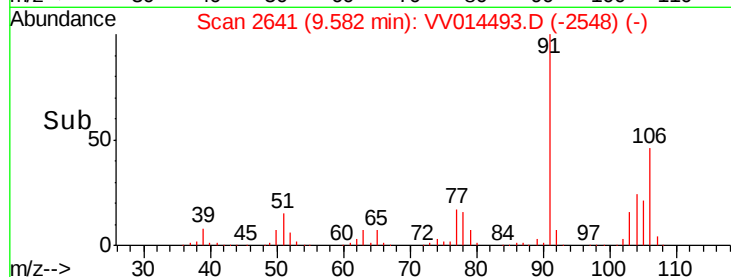
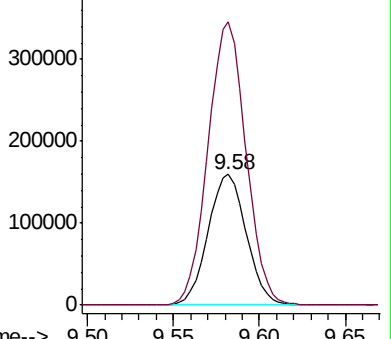
106 100

91 216.4 150.4 279.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.920 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014493.D

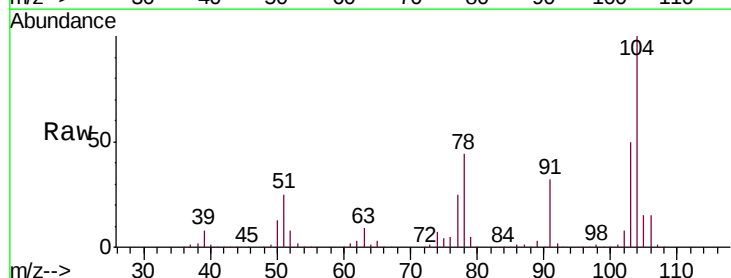
Acq: 04 Feb 2020 10:22

Tgt Ion:104 Resp: 429773

Ion Ratio Lower Upper

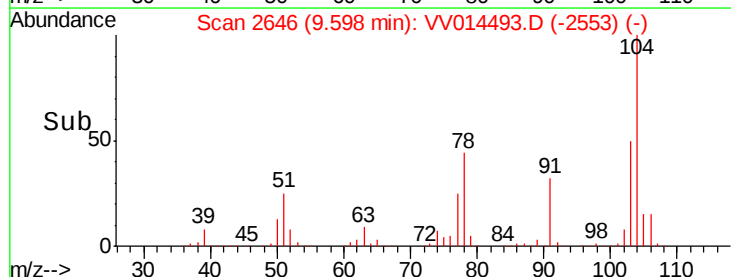
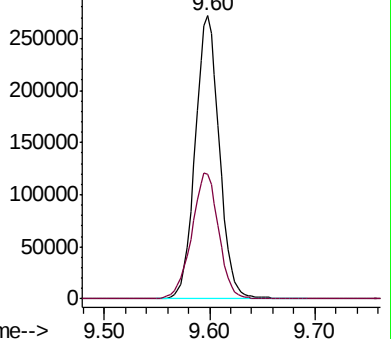
104 100

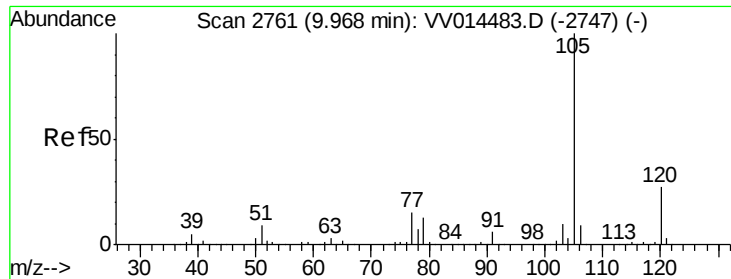
78 44.3 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.508 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014493.D

Acq: 04 Feb 2020 10:22

Instrument :

MSVOA_V

ClientSampled :

BFB86

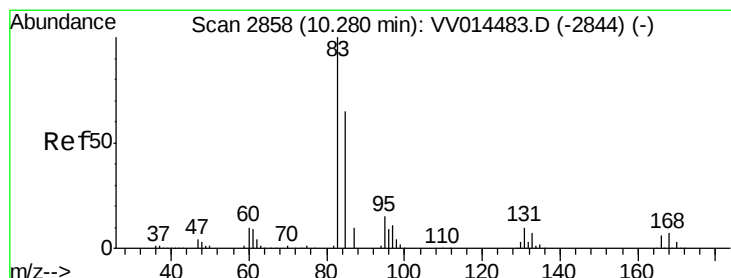
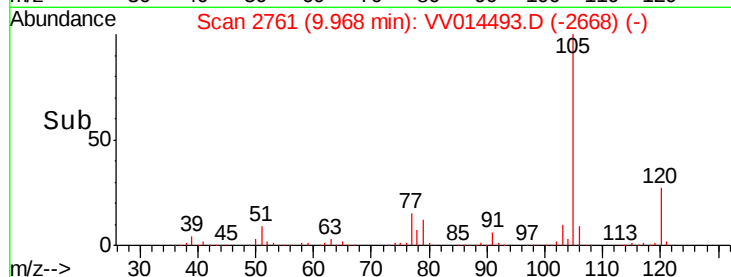
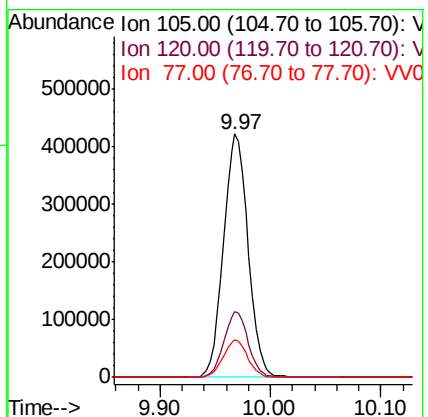
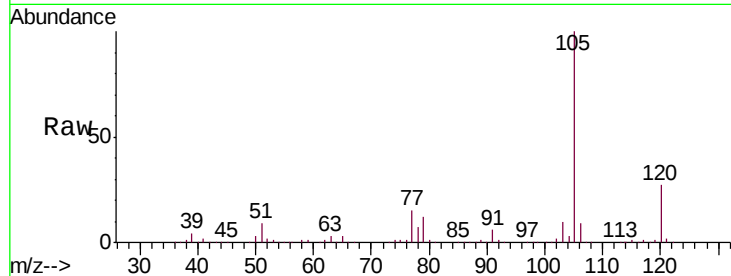
Tgt Ion: 105 Resp: 649584

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.6

77 15.2 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 49.950 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014493.D

Acq: 04 Feb 2020 10:22

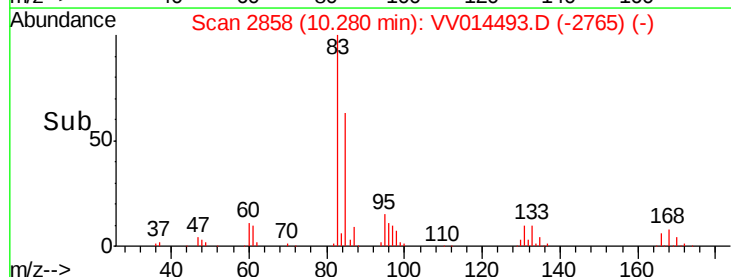
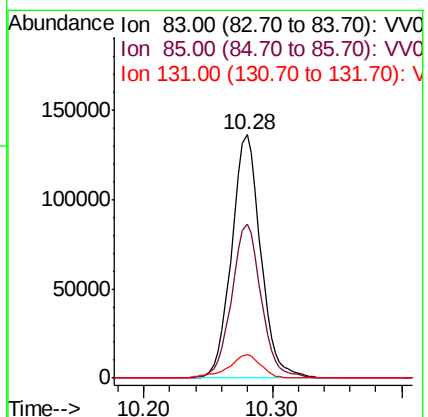
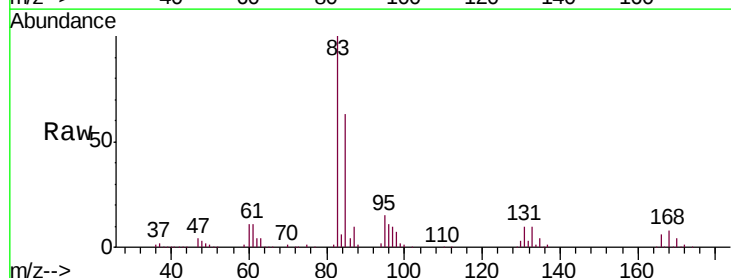
Tgt Ion: 83 Resp: 213770

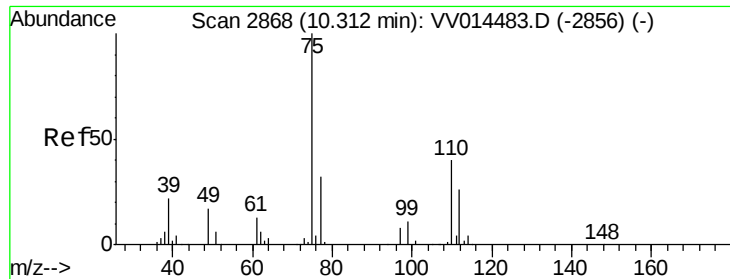
Ion Ratio Lower Upper

83 100

85 63.0 44.2 82.2

131 9.7 7.6 11.4





#59

1,2,3-Trichloropropane

Concen: 50.132 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV014493.D

Acq: 04 Feb 2020 10:22

Instrument :

MSVOA_V

ClientSampled :

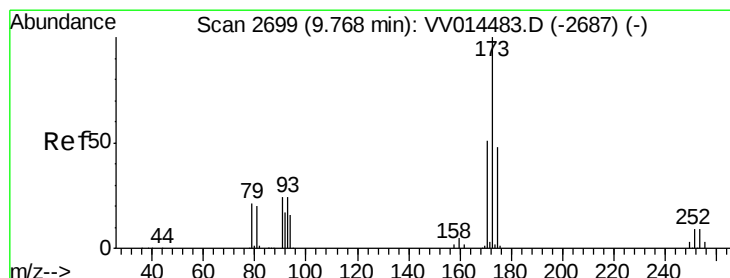
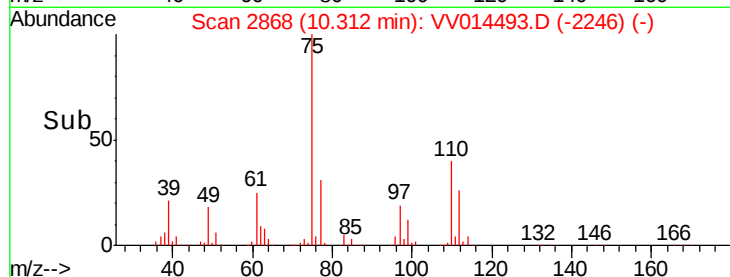
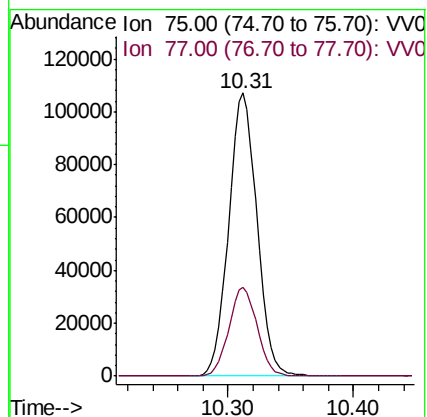
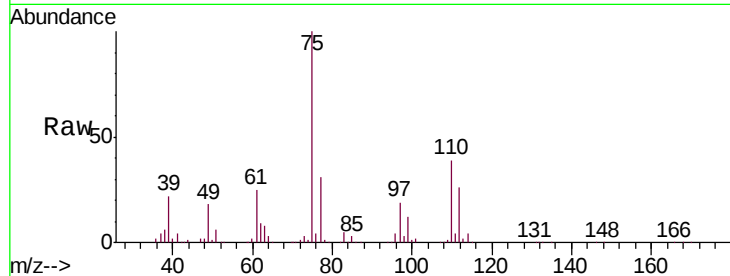
BFB86

Tgt Ion: 75 Resp: 167978

Ion Ratio Lower Upper

75 100

77 31.4 25.9 38.9



#61

Bromoform

Concen: 53.015 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. 0.00 min

Lab File: VV014493.D

Acq: 04 Feb 2020 10:22

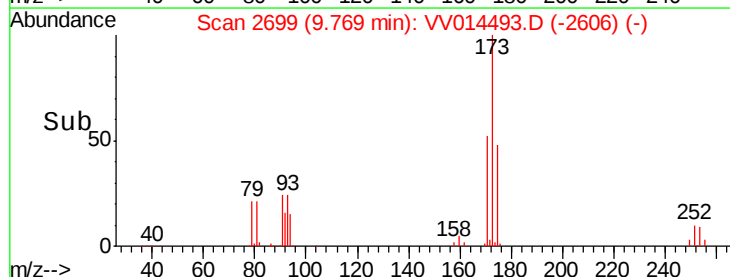
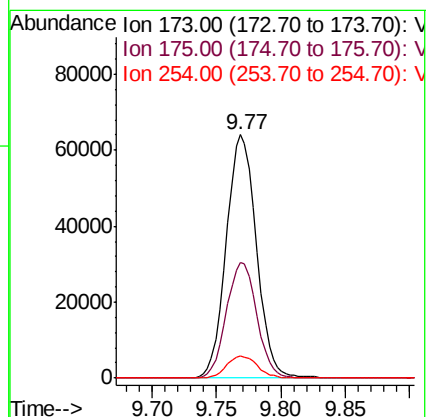
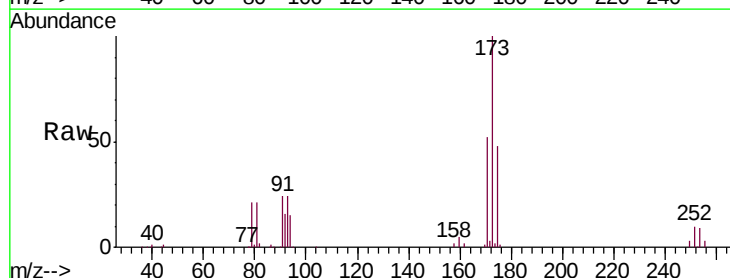
Tgt Ion: 173 Resp: 103890

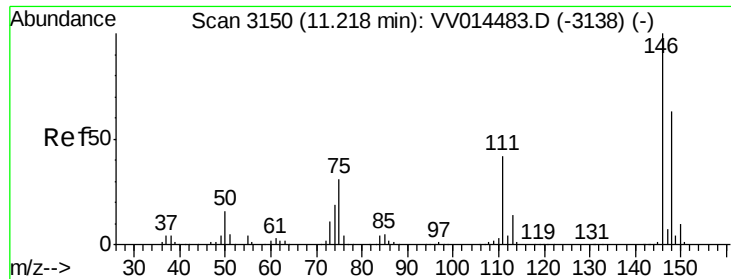
Ion Ratio Lower Upper

173 100

175 48.1 38.8 58.2

254 9.3 7.0 10.6

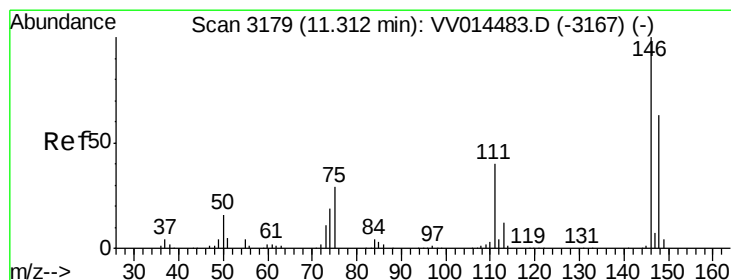
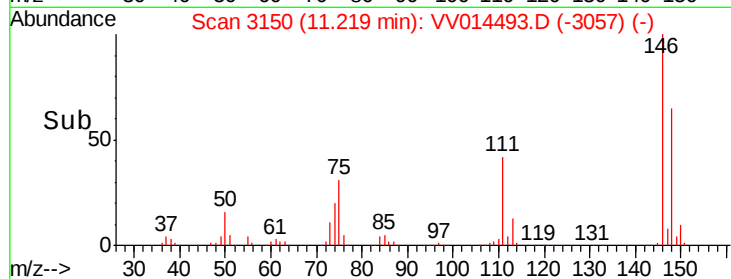
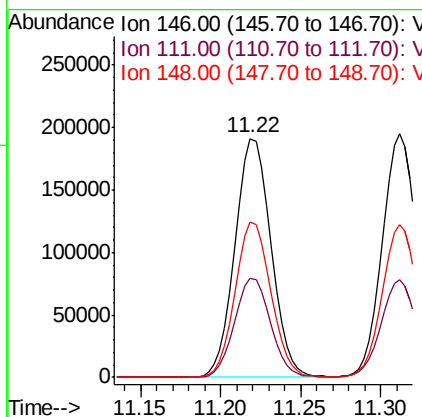
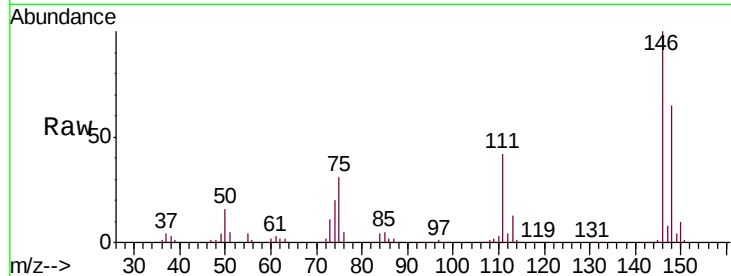




#62
 1,3-Dichlorobenzene
 Concen: 50.913 ug/L
 RT: 11.22 min Scan# 3150
 Delta R.T. 0.00 min
 Lab File: VV014493.D
 Acq: 04 Feb 2020 10:22

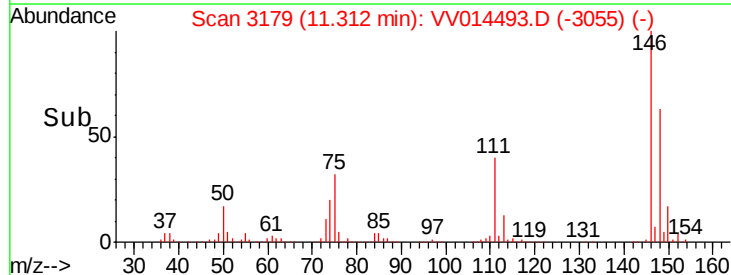
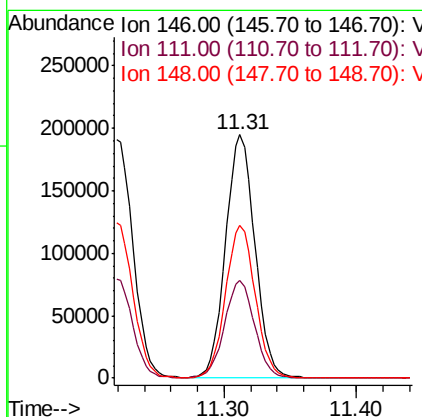
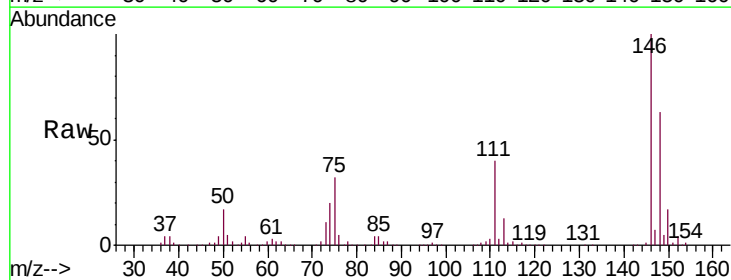
Instrument :
 MSVOA_V
 ClientSampled :
 BFB86

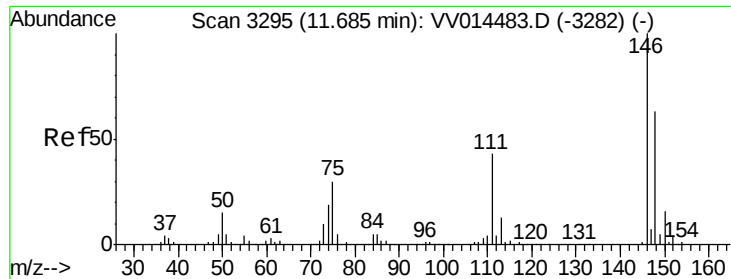
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	29.3	54.3
148	65.2	44.9	83.3



#63
 1,4-Dichlorobenzene
 Concen: 50.422 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014493.D
 Acq: 04 Feb 2020 10:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	28.1	52.1
148	62.9	43.5	80.9

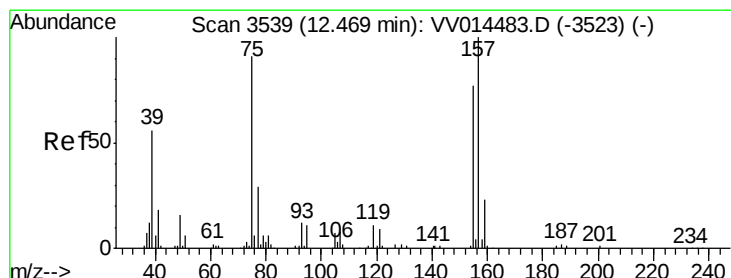
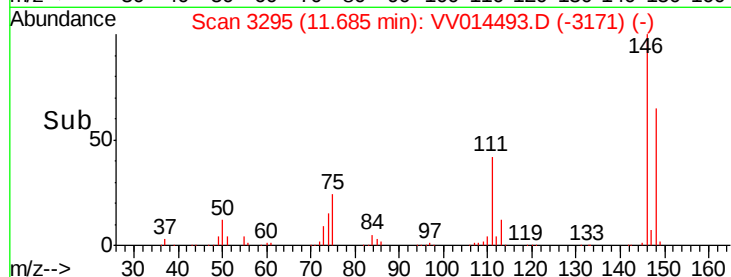
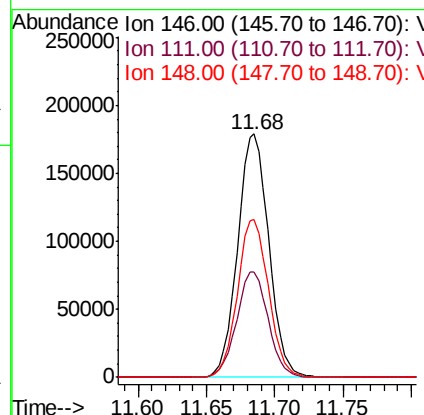
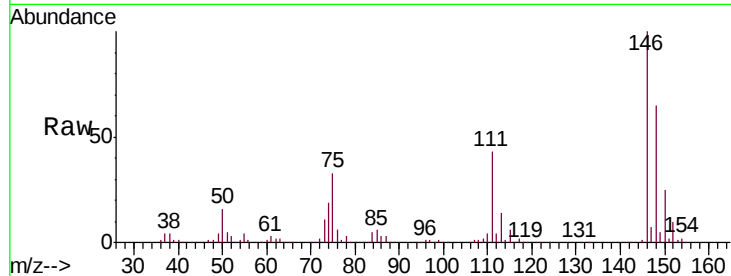




#65
 1,2-Dichlorobenzene
 Concen: 49.743 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014493.D
 Acq: 04 Feb 2020 10:22

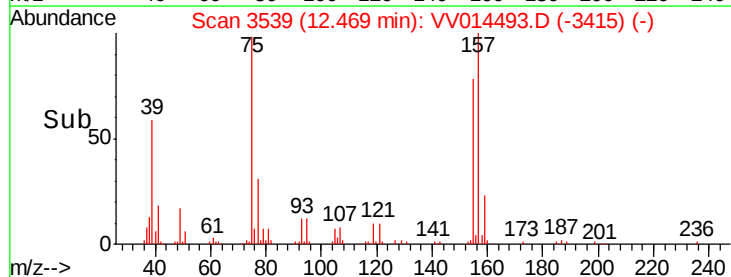
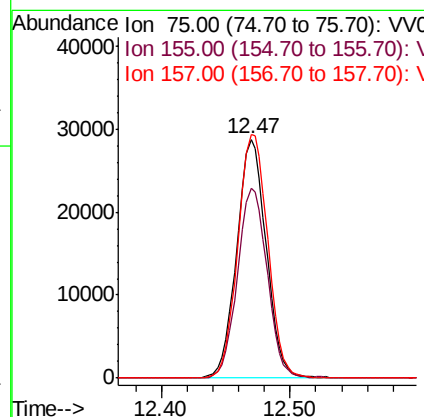
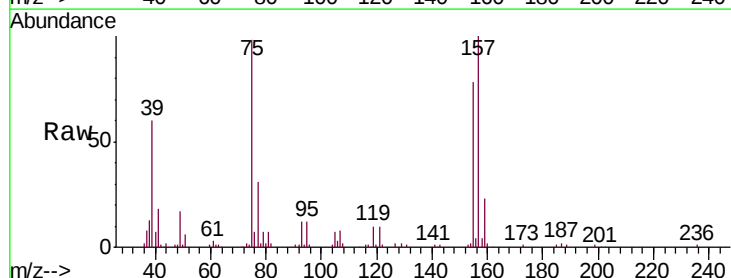
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB86

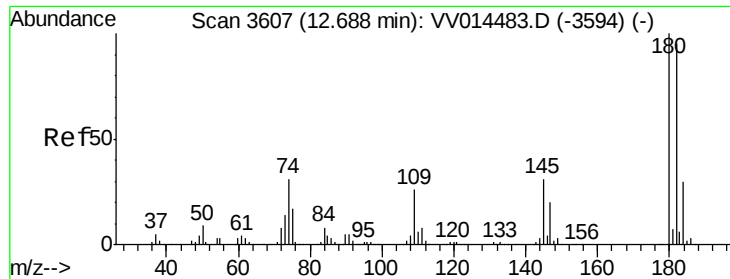
Tgt Ion: 146 Resp: 283619
 Ion Ratio Lower Upper
 146 100
 111 43.4 34.6 51.8
 148 64.8 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.404 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014493.D
 Acq: 04 Feb 2020 10:22

Tgt Ion: 75 Resp: 45685
 Ion Ratio Lower Upper
 75 100
 155 79.3 64.2 96.2
 157 101.8 83.4 125.2

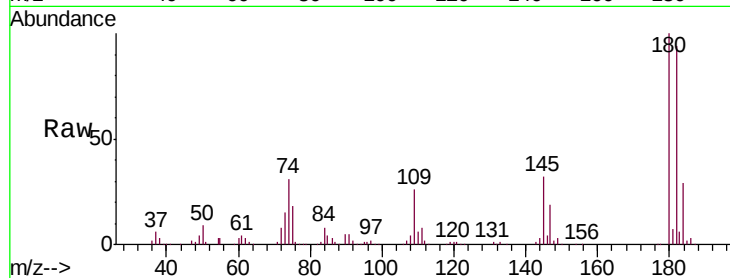




#67
 1,3,5-Trichlorobenzene
 Concen: 52.970 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV014493.D
 Acq: 04 Feb 2020 10:22

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB86

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	76.3	114.5
184	29.2	24.2	36.2
145	31.7	25.4	38.2



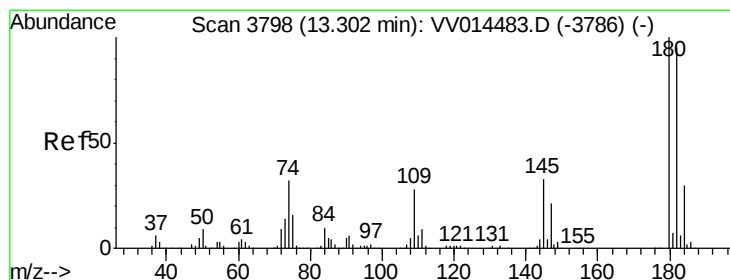
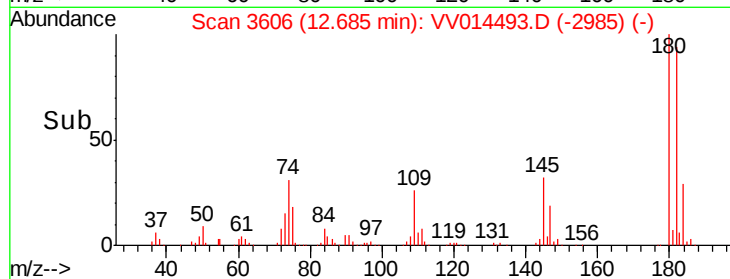
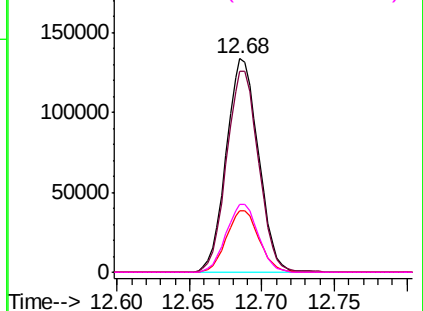
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

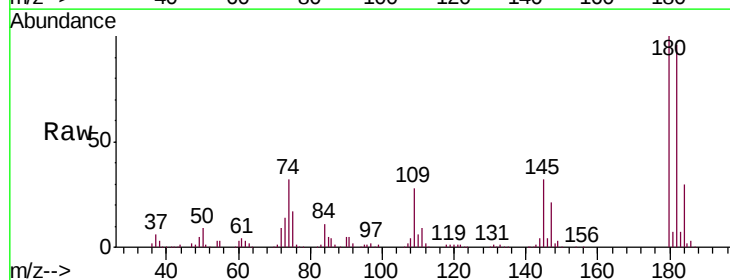
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.402 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014493.D
 Acq: 04 Feb 2020 10:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.0	114.0
145	31.9	26.2	39.2

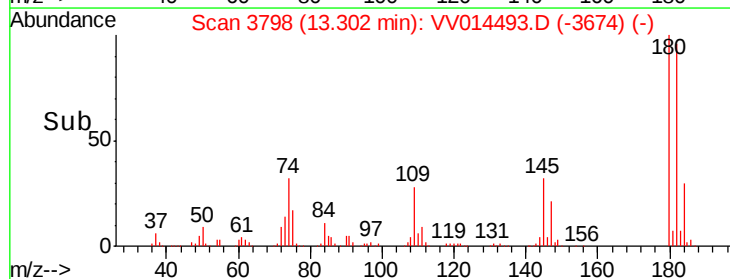
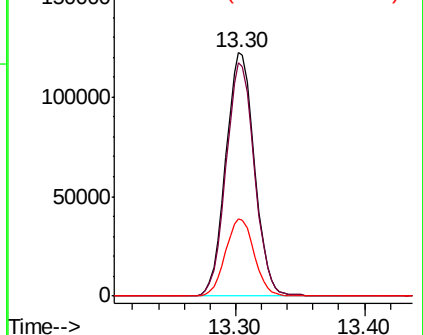


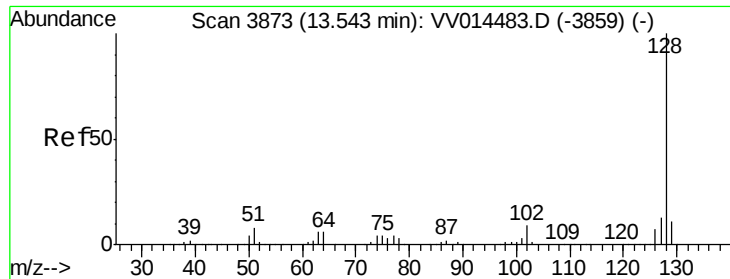
Abundance

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





#69

Naphthalene

Concen: 54.531 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014493.D

Acq: 04 Feb 2020 10:22

Instrument :

MSVOA_V

ClientSampled :

BFB86

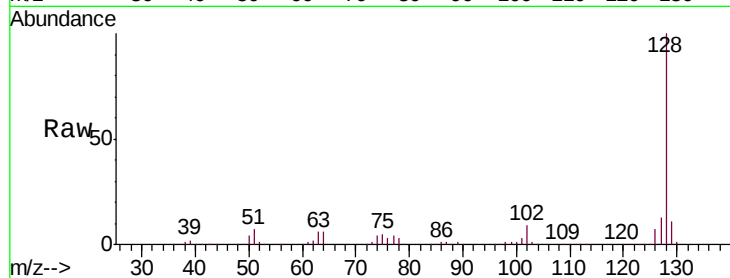
Tgt Ion:128 Resp: 609635

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

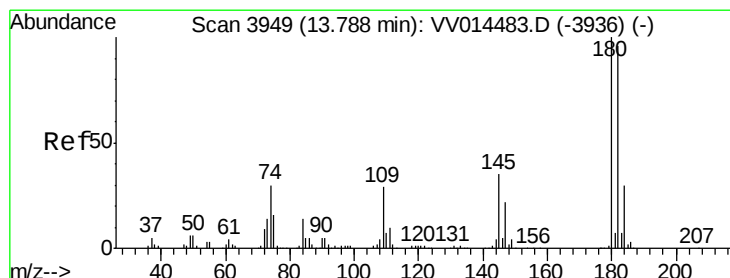
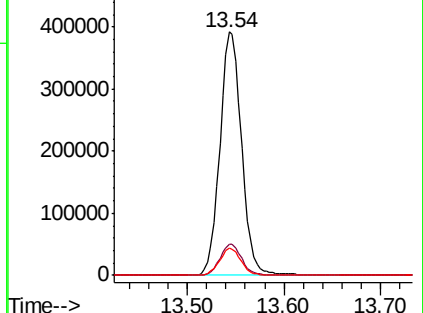
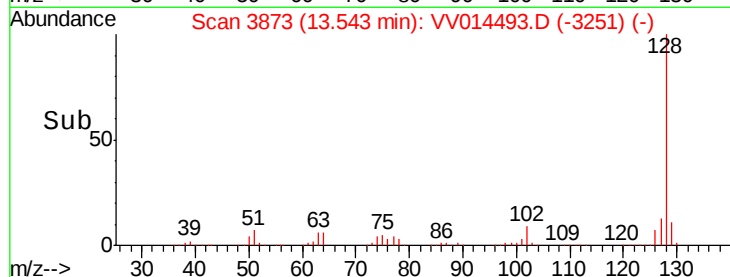
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.244 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014493.D

Acq: 04 Feb 2020 10:22

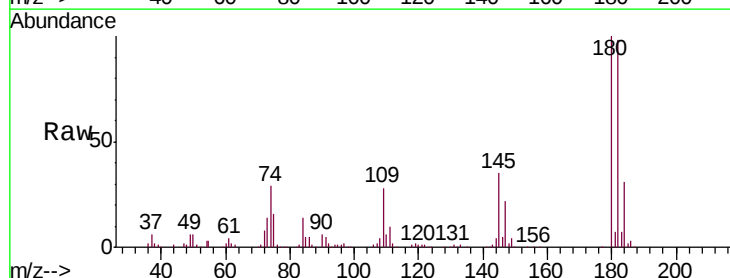
Tgt Ion:180 Resp: 181118

Ion Ratio Lower Upper

180 100

182 96.4 77.5 116.3

145 34.8 27.8 41.6



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

