

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031220\
 Data File : VV014870.D
 Acq On : 12 Mar 2020 16:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 13 04:02:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 13 03:30:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	429178	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	420970	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	226733	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	119189	41.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.08%
7) Chloroethane-d5	1.58	69	90734	39.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.04%
11) 1,1-Dichloroethene-d2	2.12	63	199455	41.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.66%
21) 2-Butanone-d5	3.92	46	161902	74.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	74.74%
24) Chloroform-d	4.38	84	262144	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.34%
26) 1,2-Dichloroethane-d4	5.06	65	164204	43.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.92%
32) Benzene-d6	5.08	84	503320	45.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.56%
36) 1,2-Dichloropropane-d6	6.10	67	154944	42.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.12%
41) Toluene-d8	7.34	98	504103	46.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.62%
43) trans-1,3-Dichloropropene-	7.64	79	83420	46.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.76%
47) 2-Hexanone-d5	8.11	63	158631	96.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.98%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	225789	44.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.12%
64) 1,2-Dichlorobenzene-d4	11.65	152	213247	47.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	185463	43.724	ug/L 99
3) Chloromethane	1.25	50	138298	37.019	ug/L 99
5) Vinyl chloride	1.32	62	132794	38.357	ug/L 97
6) Bromomethane	1.53	94	86056	40.051	ug/L 99
8) Chloroethane	1.60	64	76971	41.361	ug/L 99
9) Trichlorofluoromethane	1.76	101	212505	45.905	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	105656	44.335	ug/L 98
12) 1,1-Dichloroethene	2.13	96	99134	42.521	ug/L 97
13) Acetone	2.20	43	98578	54.506	ug/L 97
14) Carbon disulfide	2.31	76	306691	39.788	ug/L 99
15) Methyl Acetate	2.45	43	123488	36.344	ug/L 94
16) Methylene chloride	2.52	84	142272	44.932	ug/L 89
17) trans-1,2-Dichloroethene	2.78	96	130803	45.415	ug/L 93
18) Methyl tert-butyl Ether	2.79	73	429242	45.522	ug/L 97
19) 1,1-Dichloroethane	3.21	63	242655	43.134	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	147592	45.818	ug/L 91
22) 2-Butanone	4.01	43	156224	65.481	ug/L 92

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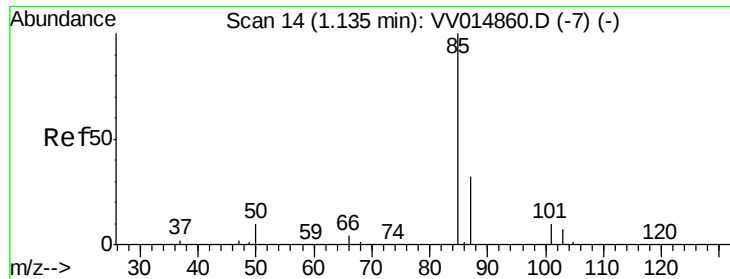
Instrument :
 MSVOA_V
 ClientSampleId :

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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.28	128	77696	47.377	ug/L	86
25) Chloroform	4.41	83	257834	44.241	ug/L	99
27) 1,2-Dichloroethane	5.16	62	198315	43.906	ug/L	96
29) Cyclohexane	4.70	56	212127	41.357	ug/L	91
30) 1,1,1-Trichloroethane	4.63	97	233028	47.745	ug/L	98
31) Carbon tetrachloride	4.85	117	206016	49.702	ug/L	100
33) Benzene	5.13	78	547306	44.877	ug/L	100
34) Trichloroethene	5.94	95	142456	44.697	ug/L	93
35) Methylcyclohexane	6.15	83	235605	44.783	ug/L	94
37) 1,2-Dichloropropane	6.20	63	136789	41.506	ug/L #	97
38) Bromodichloromethane	6.53	83	193464	46.148	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	231271	44.771	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	384362	80.480	ug/L #	93
42) Toluene	7.41	91	617968	45.930	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	208420	44.259	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	143399	47.245	ug/L	95
46) Tetrachloroethene	8.00	164	129371	49.612	ug/L	95
48) 2-Hexanone	8.16	43	298642	79.507	ug/L #	94
49) Dibromochloromethane	8.27	129	153532	46.410	ug/L	96
50) 1,2-Dibromoethane	8.38	107	154031	46.948	ug/L	94
51) Chlorobenzene	8.90	112	408808	47.223	ug/L	97
52) Ethylbenzene	9.03	91	698735	46.097	ug/L	99
53) m,p-Xylene	9.16	106	270584	47.567	ug/L	97
54) o-xylene	9.57	106	267487	47.870	ug/L	98
55) Styrene	9.58	104	461793	48.330	ug/L	99
56) Isopropylbenzene	9.95	105	706509	47.208	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	233929	44.746	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	187251	44.490	ug/L	100
61) Bromoform	9.75	173	105001	42.687	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	347296	47.367	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	342477	46.363	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	350549	48.023	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.45	75	51440	41.521	ug/L	84
67) 1,3,5-Trichlorobenzene	12.67	180	269753	47.571	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	240938	46.228	ug/L	99
69) Naphthalene	13.52	128	359330	45.796	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	248623	47.858	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 43.724 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

Instrument :

MSVOA_V

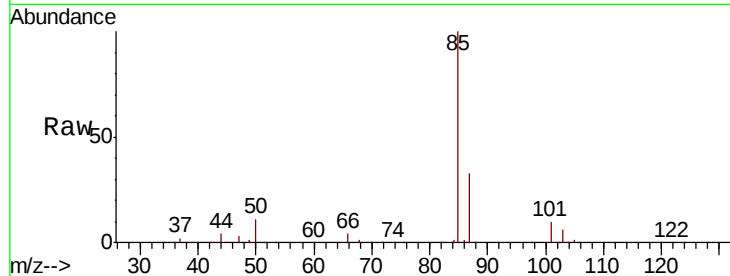
ClientSampleId :

Tot Ion: 85 Resp: 185463

Ion Ratio Lower Upper

85 100

87 32.7 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV014860.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV014860.D (-7) (-)

1.14

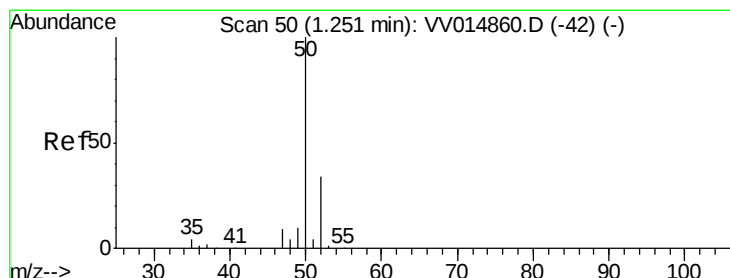
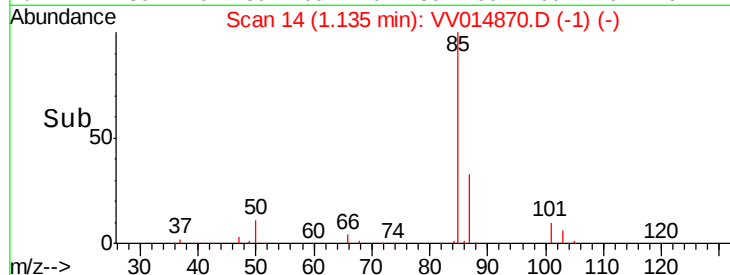
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 37.019 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV014870.D

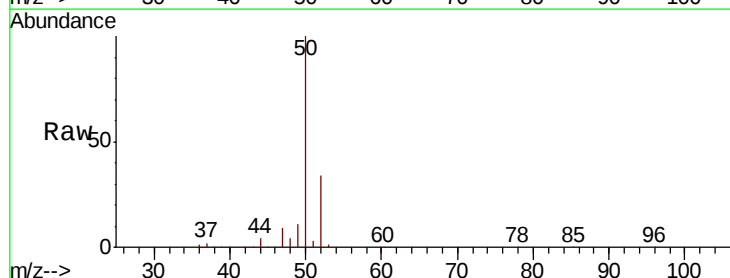
Acq: 12 Mar 2020 16:05

Tgt Ion: 50 Resp: 138298

Ion Ratio Lower Upper

50 100

52 33.5 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV014860.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV014860.D (-42) (-)

1.25

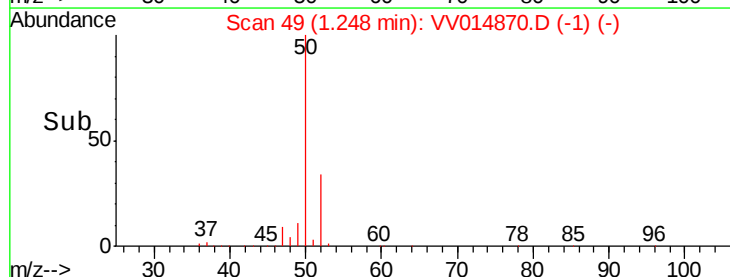
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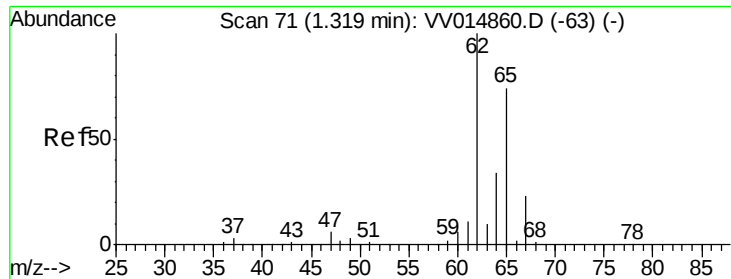
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 38.357 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

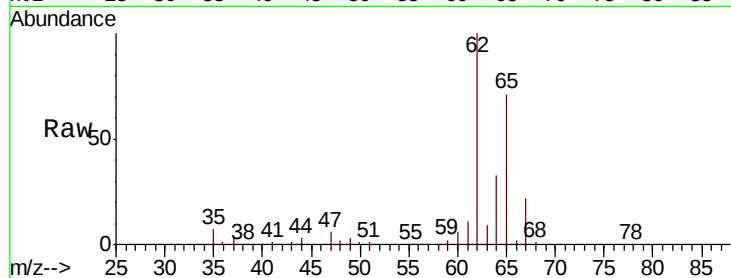
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 132794

Ion Ratio Lower Upper

62 100

64 33.5 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV014860.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV014870.D (-64) (-)

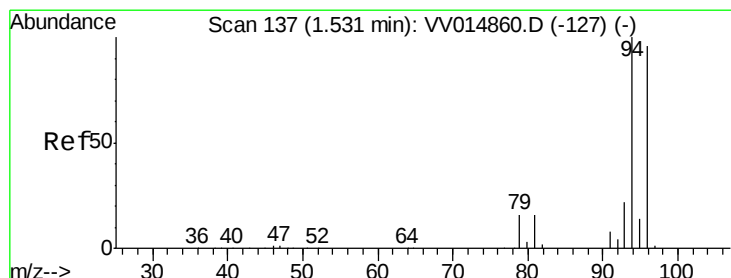
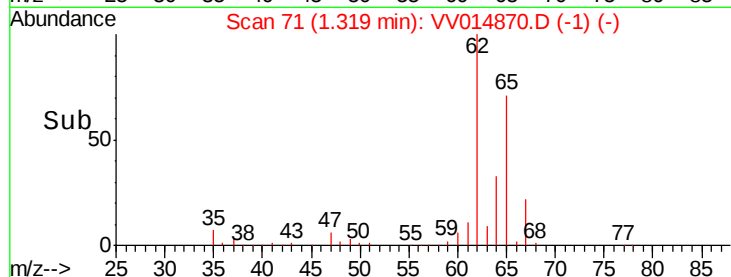
1.32

100000

50000

0

Time-->



#6

Bromomethane

Concen: 40.051 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV014870.D

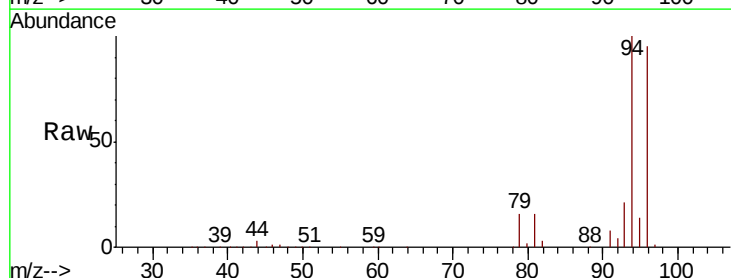
Acq: 12 Mar 2020 16:05

Tgt Ion: 94 Resp: 86056

Ion Ratio Lower Upper

94 100

96 95.2 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV014860.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV014870.D (-124) (-)

1.53

80000

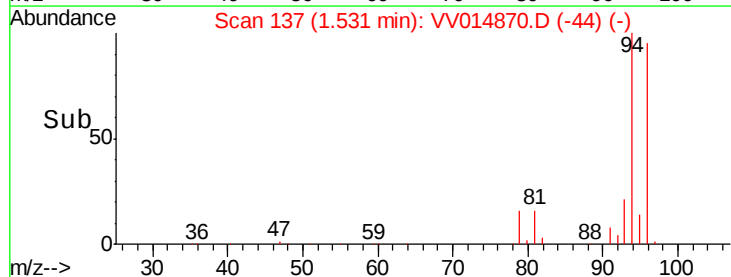
60000

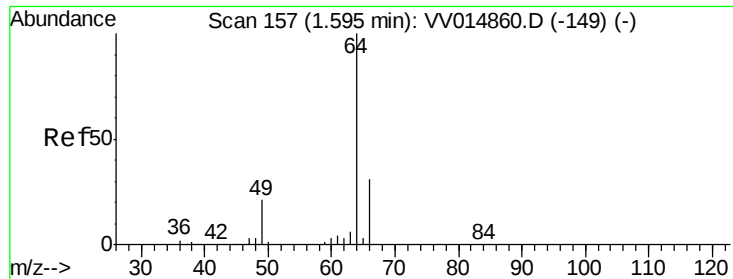
40000

20000

0

Time-->

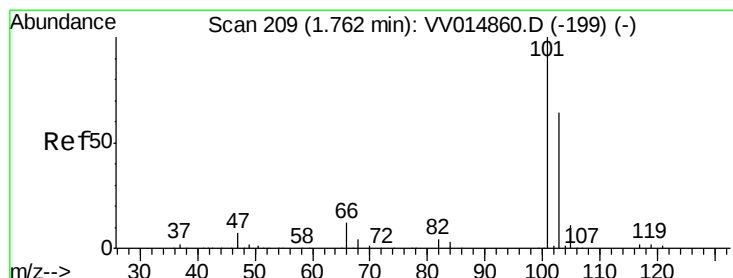
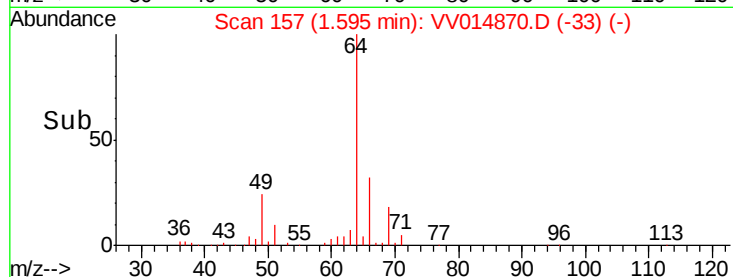
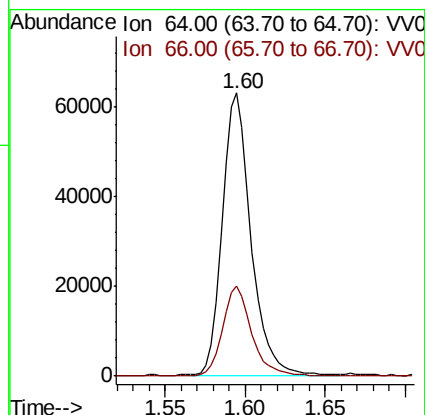
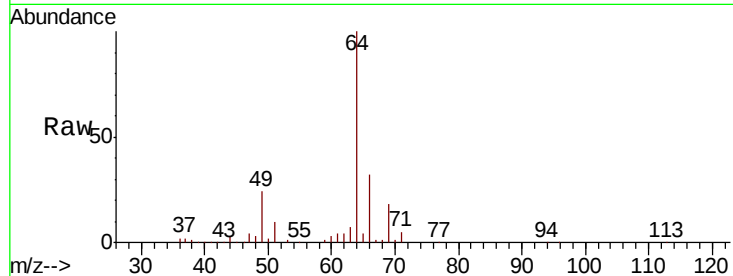




#8
Chloroethane
Concen: 41.361 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV014870.D
Acq: 12 Mar 2020 16:05

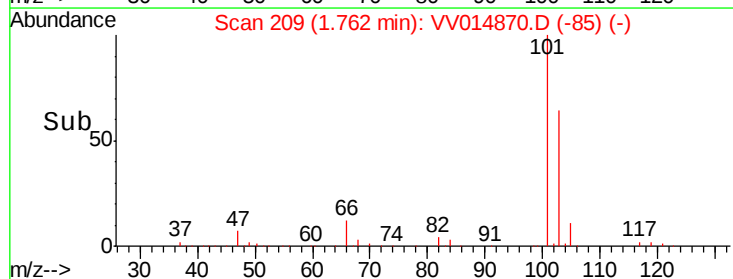
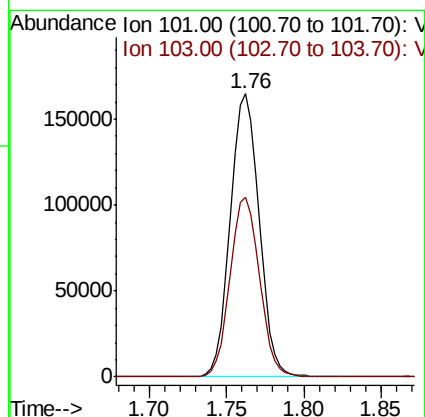
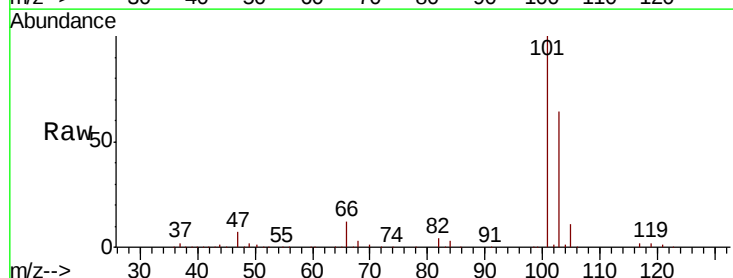
Instrument :
MSVOA_V
ClientSampleId :

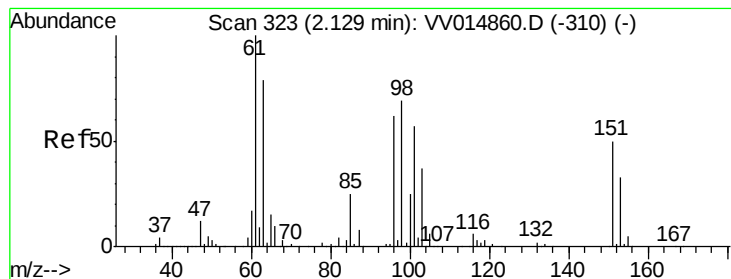
Tot Ion: 64 Resp: 76971
Ion Ratio Lower Upper
64 100
66 31.8 22.6 42.0



#9
Trichlorofluoromethane
Concen: 45.905 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV014870.D
Acq: 12 Mar 2020 16:05

Tgt Ion:101 Resp: 212505
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8





#10

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

Concen: 44.335 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

Instrument :

MSVOA_V

ClientSampleId :

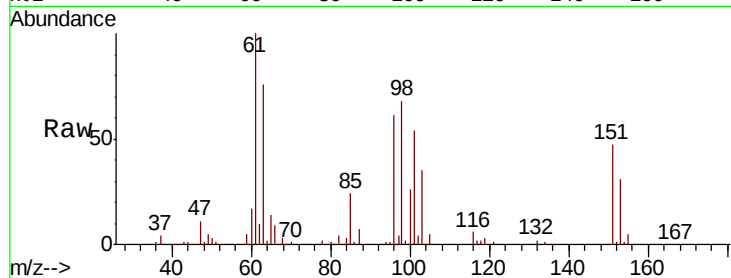
Tot Ion:101 Resp: 105656

Ion Ratio Lower Upper

101 100

85 42.3 35.0 52.6

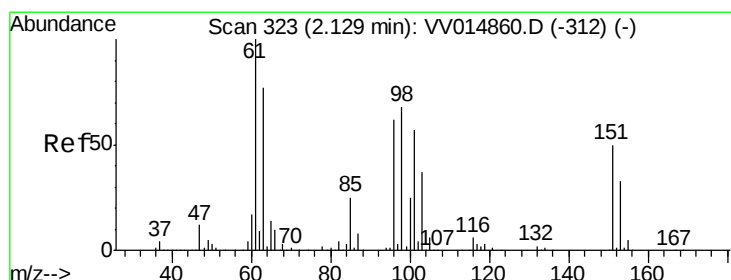
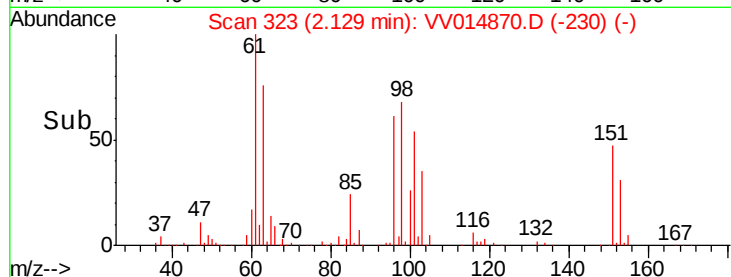
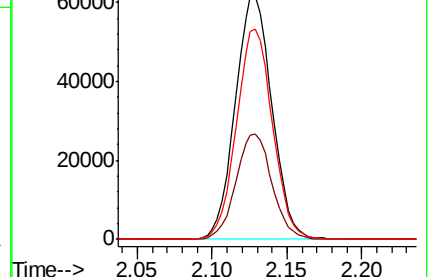
151 84.6 66.4 99.6



Abundance Ion 101.00 (100.70 to 101.70): VV014870.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV014870.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV014870.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 42.521 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

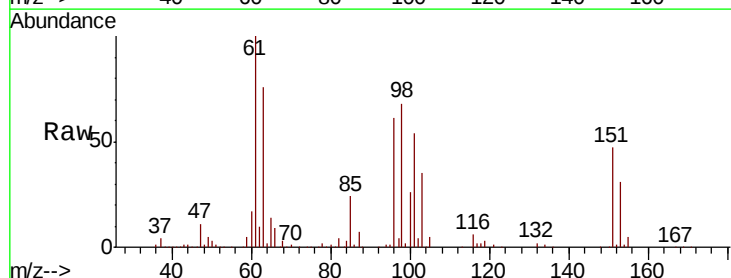
Tgt Ion: 96 Resp: 99134

Ion Ratio Lower Upper

96 100

61 163.7 118.4 220.0

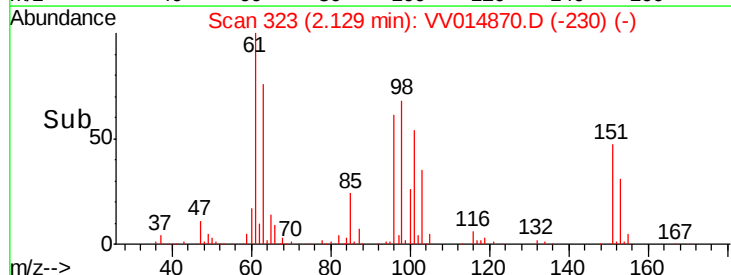
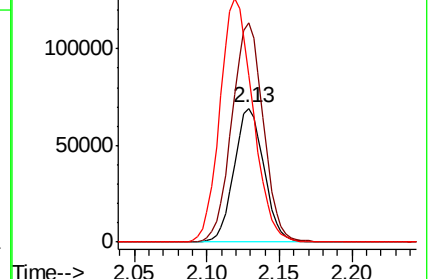
63 125.0 88.4 164.2

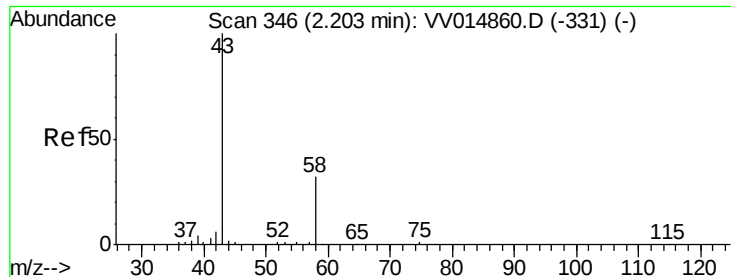


Abundance Ion 96.00 (95.70 to 96.70): VV014870.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV014870.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV014870.D (-230) (-)





#13

Acetone

Concen: 54.506 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

Instrument :

MSVOA_V

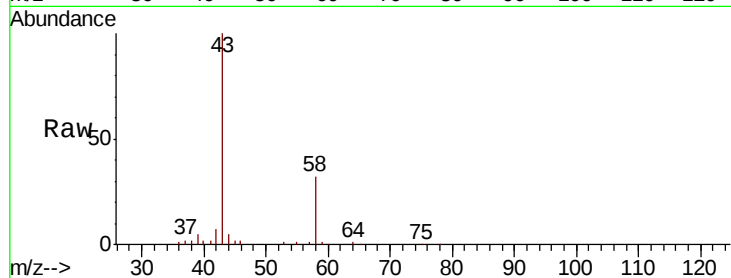
ClientSampleId :

Tot Ion: 43 Resp: 98578

Ion Ratio Lower Upper

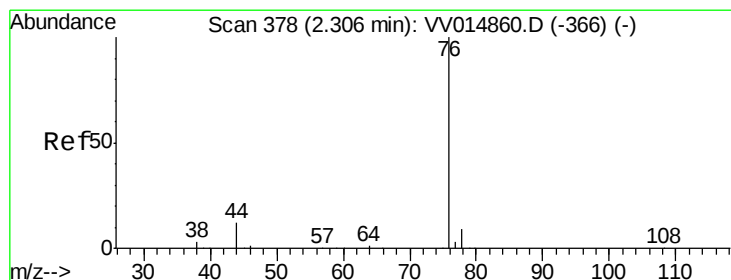
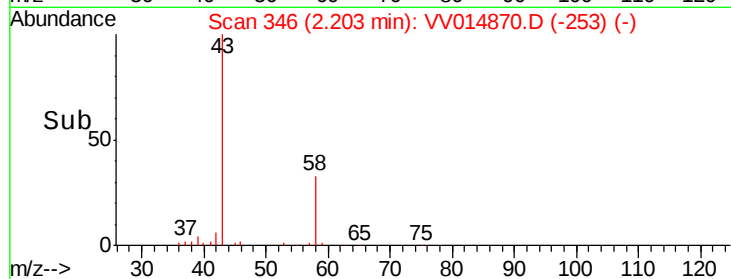
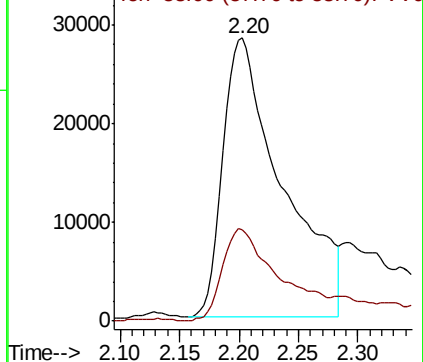
43 100

58 29.4 0.0 62.2



Abundance Ion 43.00 (42.70 to 43.70): VV014870.D (-253) (-)

Ion 58.00 (57.70 to 58.70): VV014870.D (-253) (-)



#14

Carbon disulfide

Concen: 39.788 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV014870.D

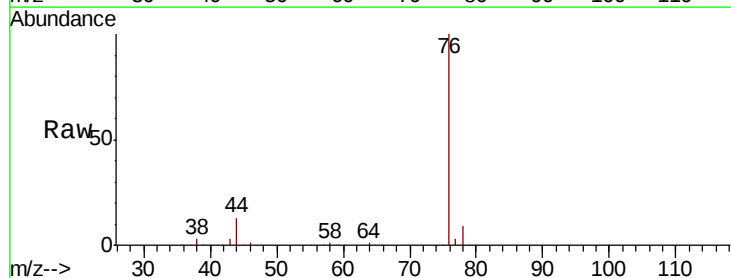
Acq: 12 Mar 2020 16:05

Tgt Ion: 76 Resp: 306691

Ion Ratio Lower Upper

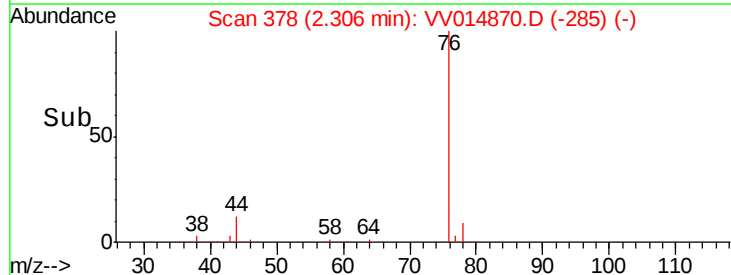
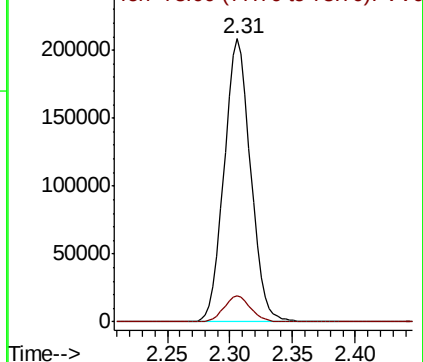
76 100

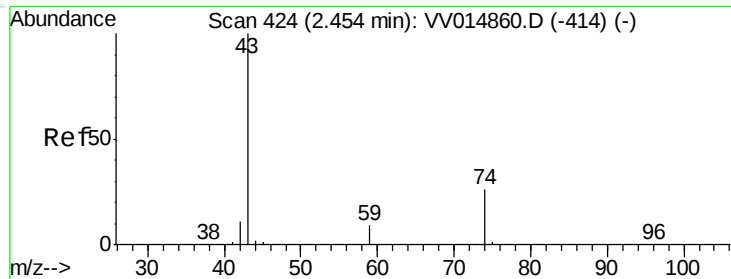
78 9.4 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV014870.D (-285) (-)

Ion 78.00 (77.70 to 78.70): VV014870.D (-285) (-)

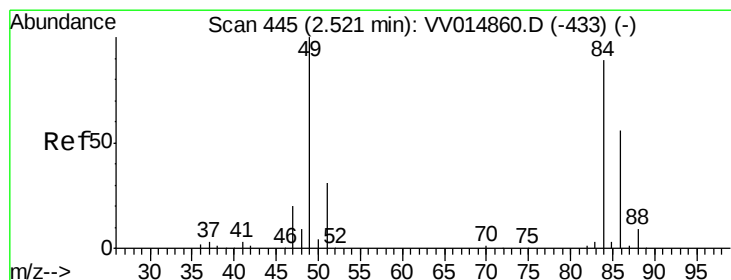
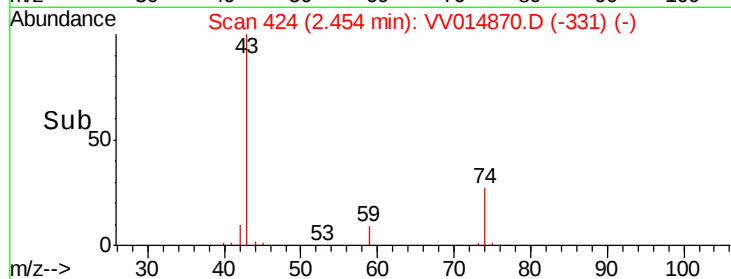
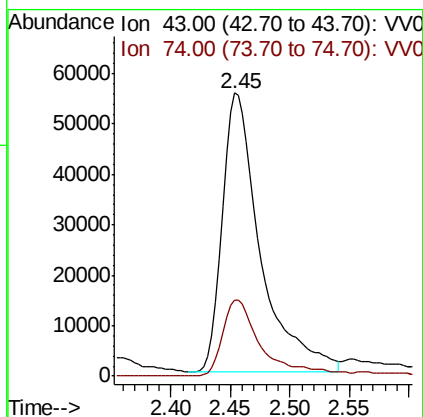
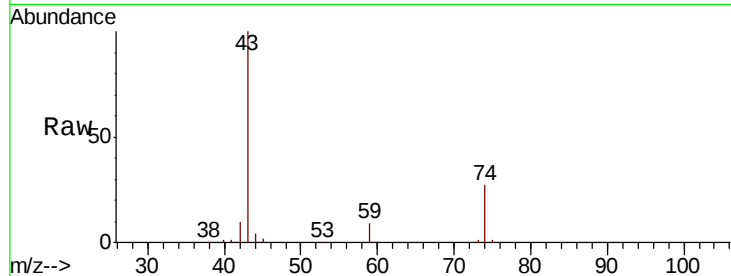




#15
Methvl Acetate
Concen: 36.344 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV014870.D
Acq: 12 Mar 2020 16:05

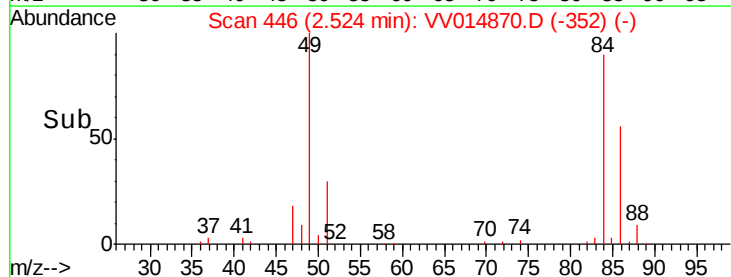
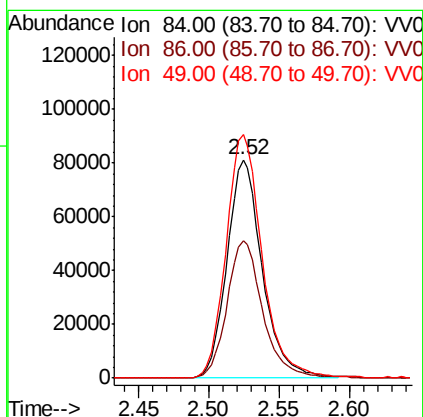
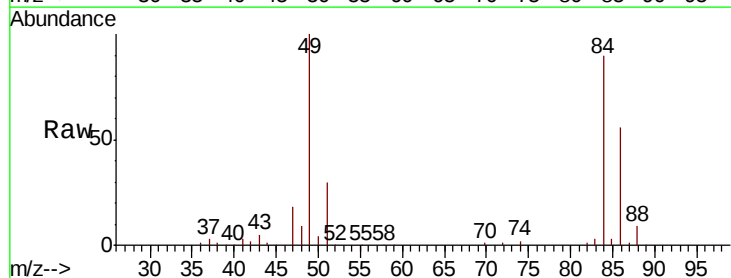
Instrument :
MSVOA_V
ClientSampled :

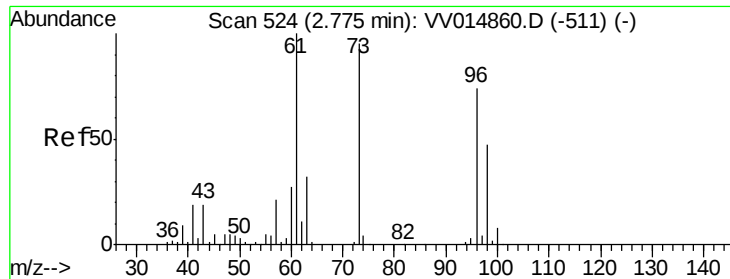
Tot Ion: 43 Resp: 123488
Ion Ratio Lower Upper
43 100
74 25.2 17.9 26.9



#16
Methylene chloride
Concen: 44.932 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV014870.D
Acq: 12 Mar 2020 16:05

Tgt Ion: 84 Resp: 142272
Ion Ratio Lower Upper
84 100
86 63.0 47.3 87.9
49 111.5 88.7 164.7

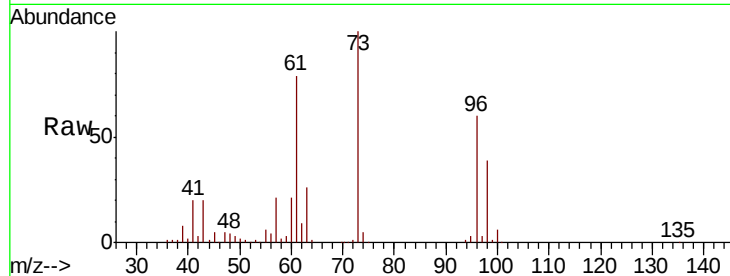




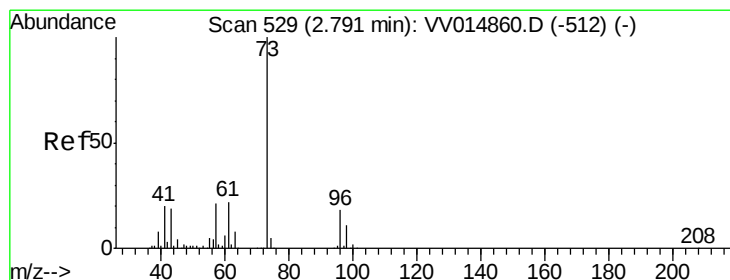
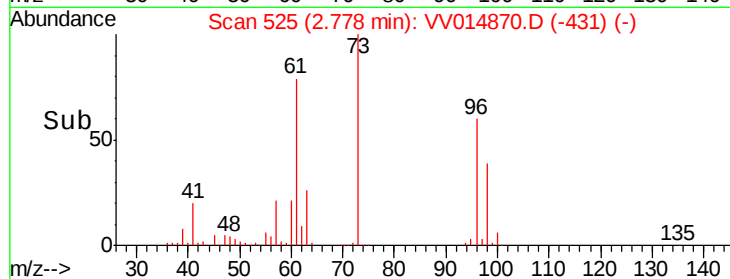
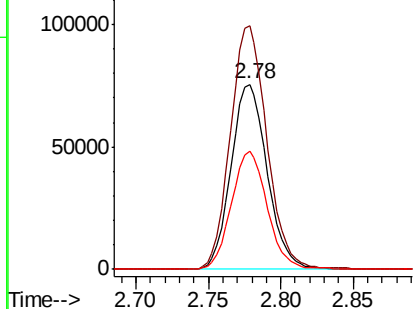
#17
trans-1,2-Dichloroethene
Concen: 45.415 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV014870.D
Acq: 12 Mar 2020 16:05

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 130803
Ion Ratio Lower Upper
96 100
61 131.6 100.5 186.7
98 64.0 45.1 83.7

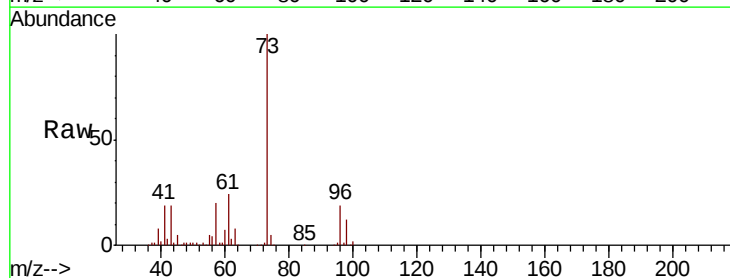


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

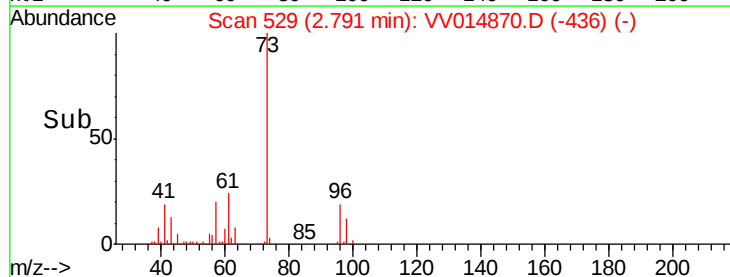
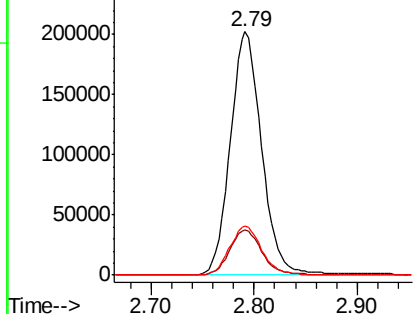


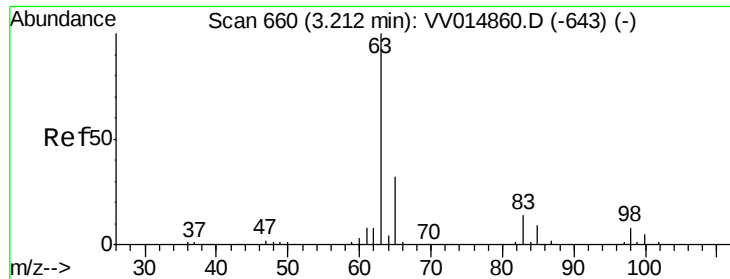
#18
Methyl tert-butyl Ether
Concen: 45.522 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV014870.D
Acq: 12 Mar 2020 16:05

Tgt Ion: 73 Resp: 429242
Ion Ratio Lower Upper
73 100
43 18.8 15.9 23.9
57 20.7 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 43.134 ug/L

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

Instrument :

MSVOA_V

ClientSampleId :

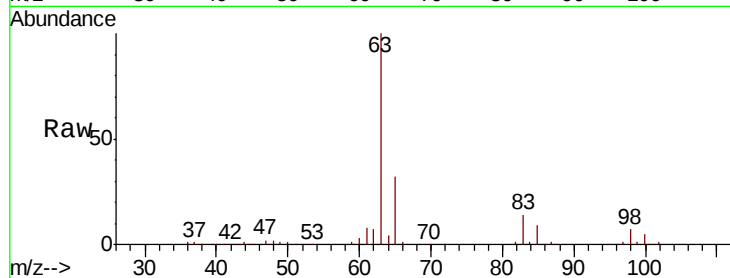
Tot Ion: 63 Resp: 242655

Ion Ratio Lower Upper

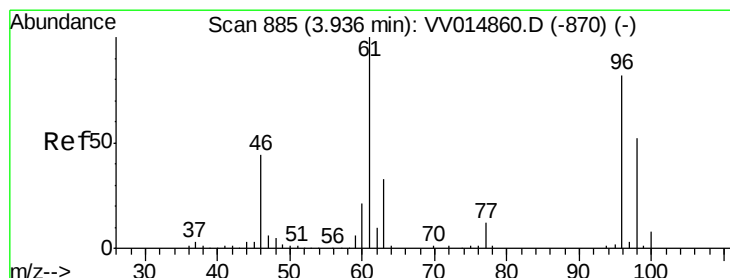
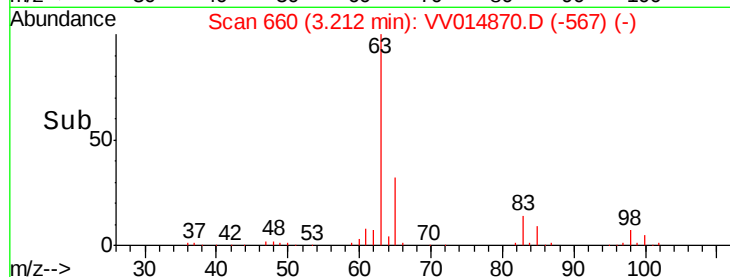
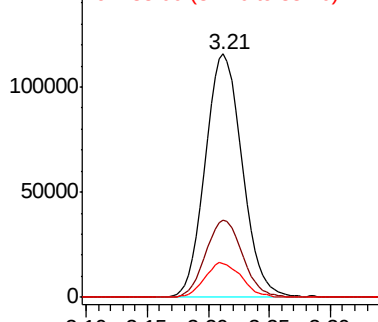
63 100

65 31.8 22.5 41.7

83 14.0 9.1 16.9



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 45.818 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

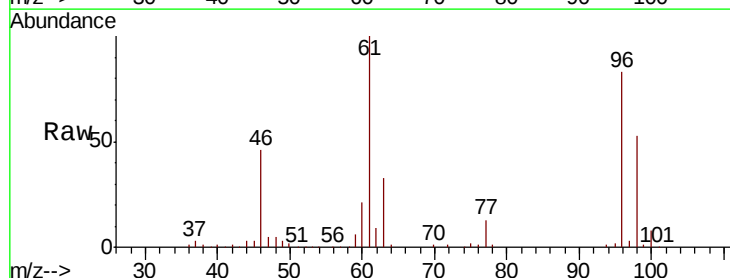
Tgt Ion: 96 Resp: 147592

Ion Ratio Lower Upper

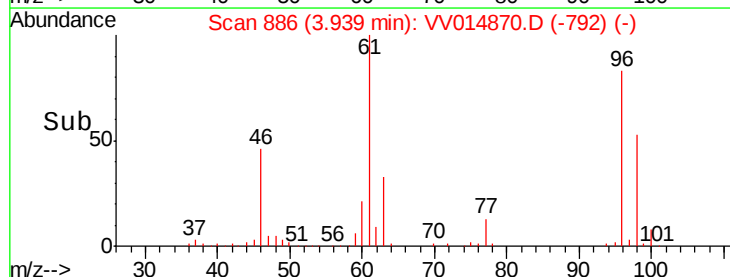
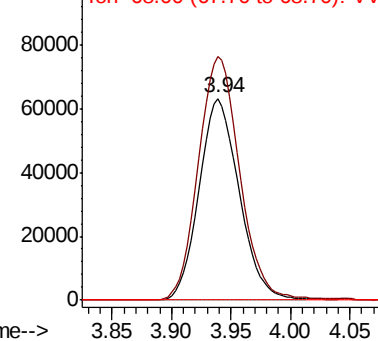
96 100

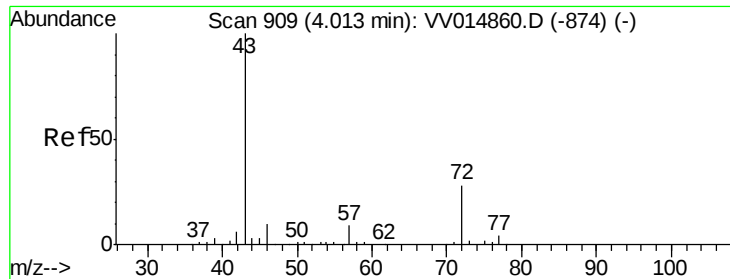
61 120.9 92.2 171.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 65.481 ug/L

RT: 4.01 min Scan# 908

Delta R.T. -0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

Instrument :

MSVOA_V

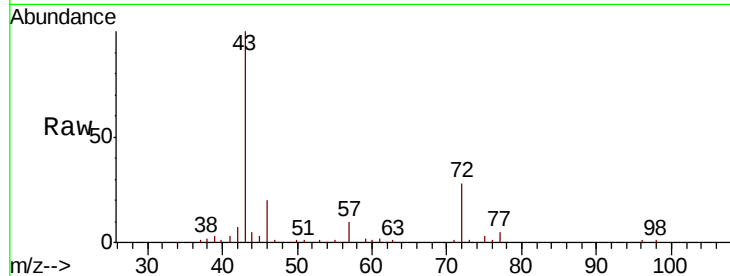
ClientSampled :

Tot Ion: 43 Resp: 156224

Ion Ratio Lower Upper

43 100

72 28.0 12.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VV014860.D (-874) (-)

Ion 72.00 (71.70 to 72.70): VV014860.D (-874) (-)

4.01

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4.01

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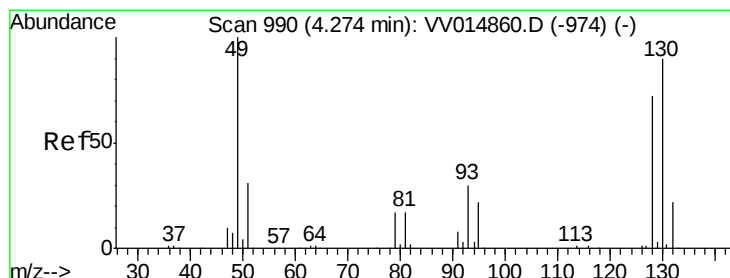
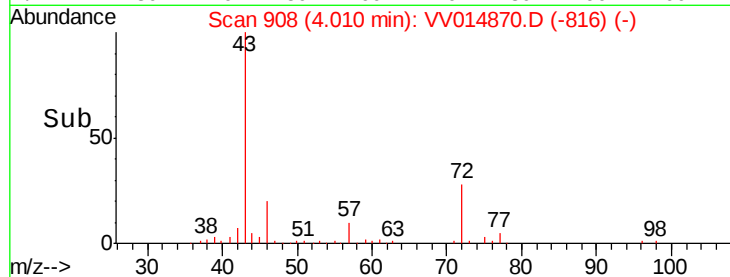
4.01

4.01

4.01

4.01

4.01



#23

Bromochloromethane

Concen: 47.377 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

Tgt Ion:128 Resp: 77696

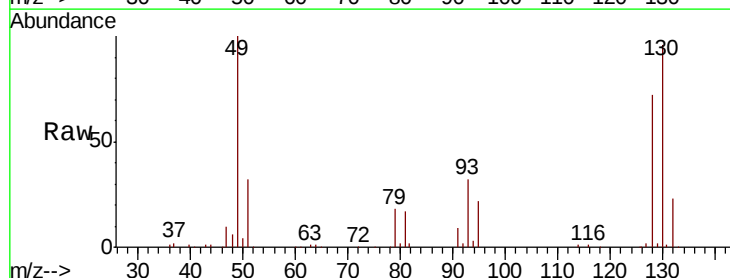
Ion Ratio Lower Upper

128 100

49 139.2 116.3 215.9

130 133.2 88.9 165.1

51 44.0 43.0 64.6



Abundance Ion 128.00 (127.70 to 128.70): VV014870.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV014870.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV014870.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV014870.D (-897) (-)

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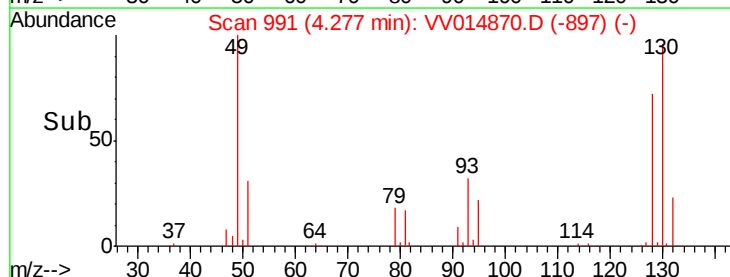
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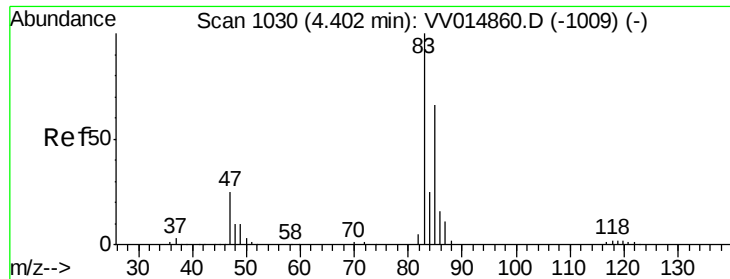
4.28

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4.28

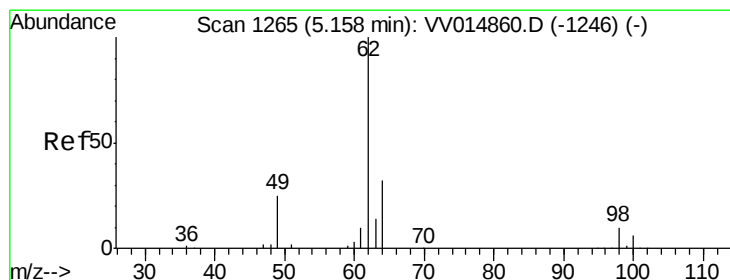
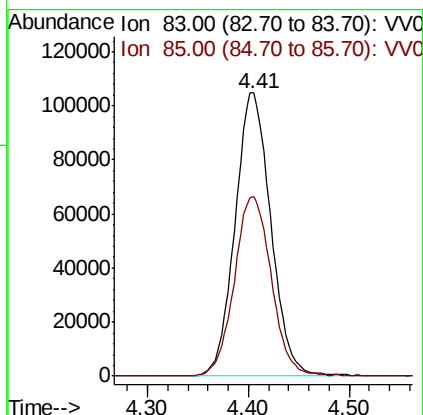
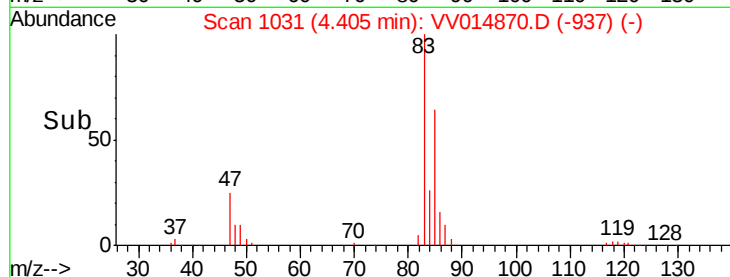
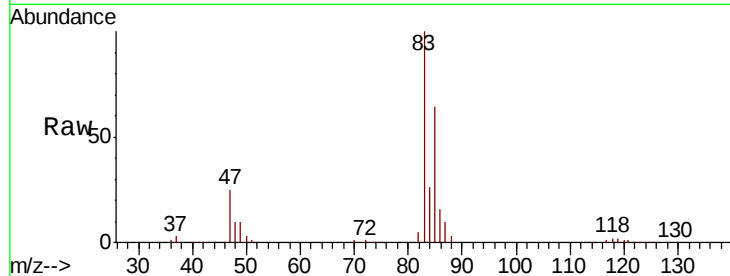
4.28



#25
Chloroform
Concen: 44.241 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV014870.D
Acq: 12 Mar 2020 16:05

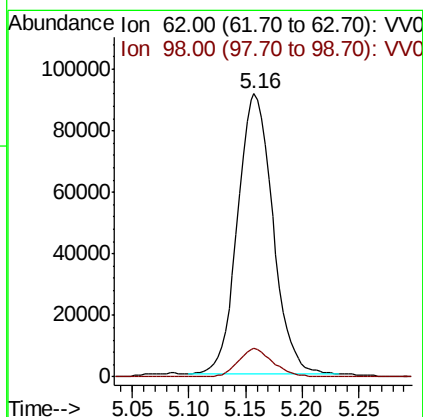
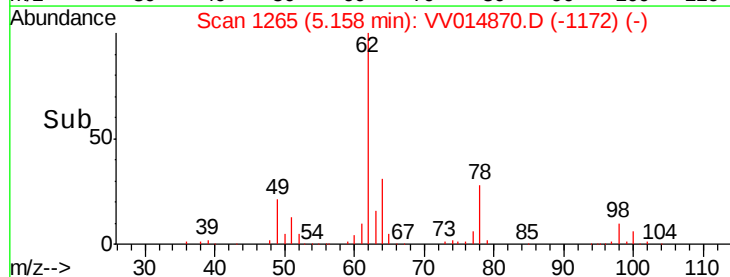
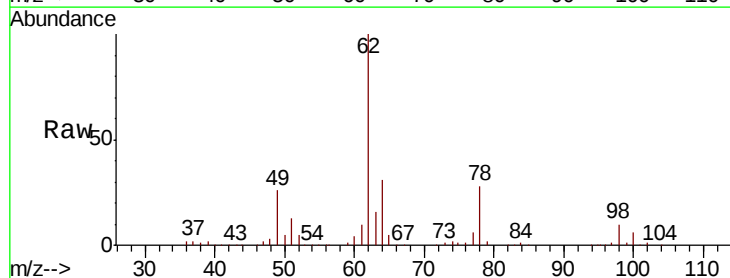
Instrument :
MSVOA_V
ClientSampled :

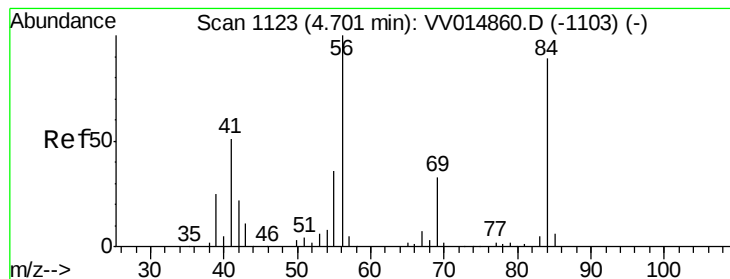
Tot Ion: 83 Resp: 257834
Ion Ratio Lower Upper
83 100
85 63.7 45.1 83.9



#27
1,2-Dichloroethane
Concen: 43.906 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV014870.D
Acq: 12 Mar 2020 16:05

Tgt Ion: 62 Resp: 198315
Ion Ratio Lower Upper
62 100
98 10.3 7.2 10.8





#29

Cyclohexane

Concen: 41.357 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

Instrument :
MSVOA_V
ClientSampled :

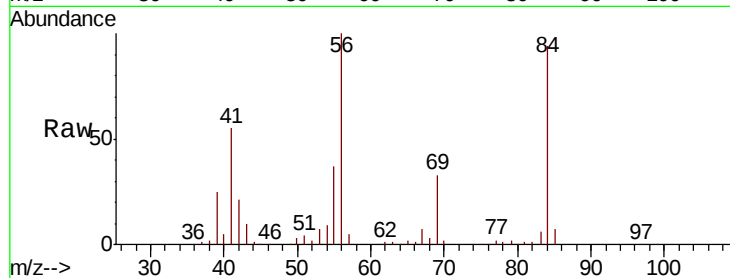
Tot Ion: 56 Resp: 212127

Ion Ratio Lower Upper

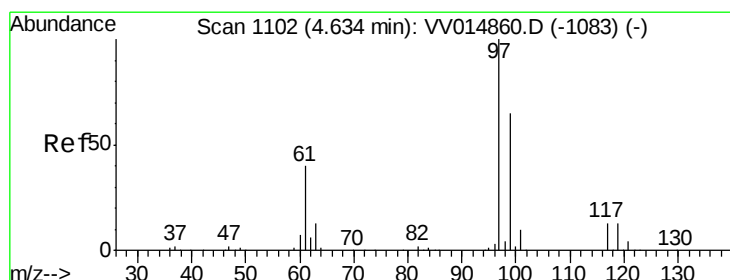
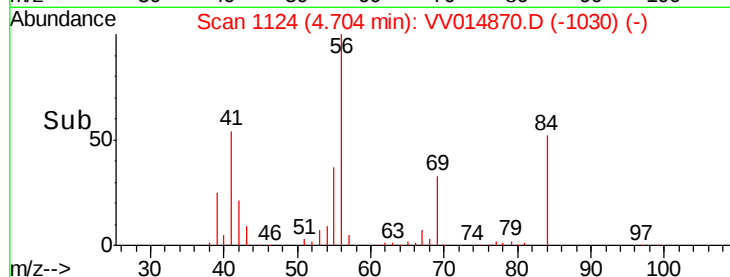
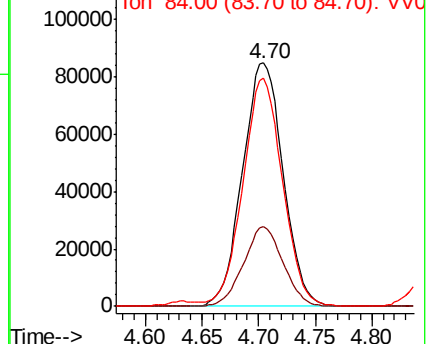
56 100

69 31.8 23.5 35.3

84 91.3 65.3 97.9



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: 47.745 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

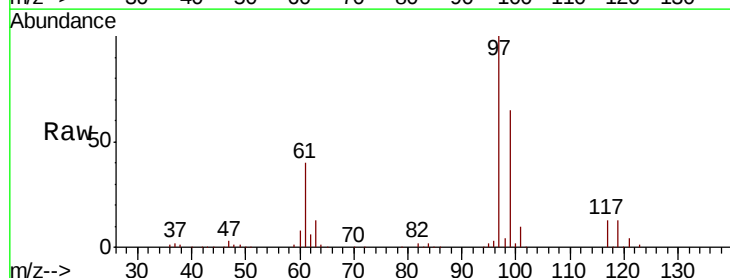
Tgt Ion: 97 Resp: 233028

Ion Ratio Lower Upper

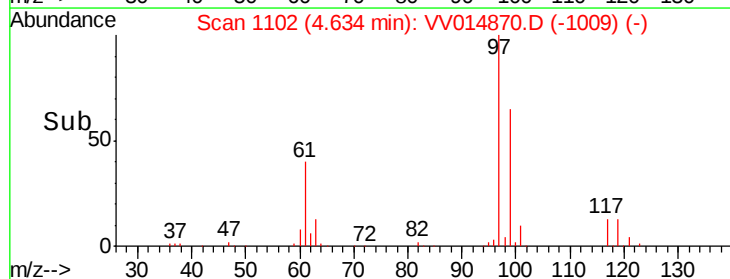
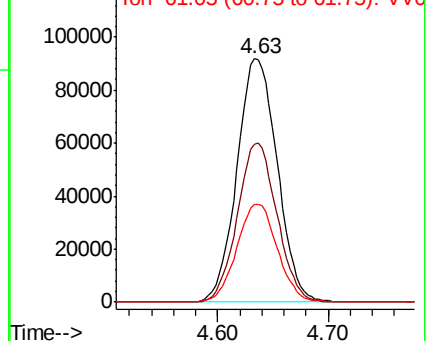
97 100

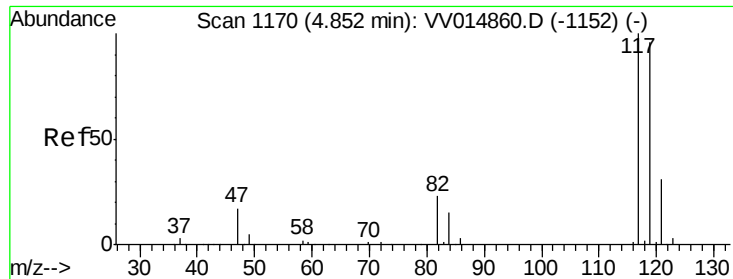
99 64.0 51.6 77.4

61 40.5 34.6 52.0



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: 49.702 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

Instrument :

MSVOA_V

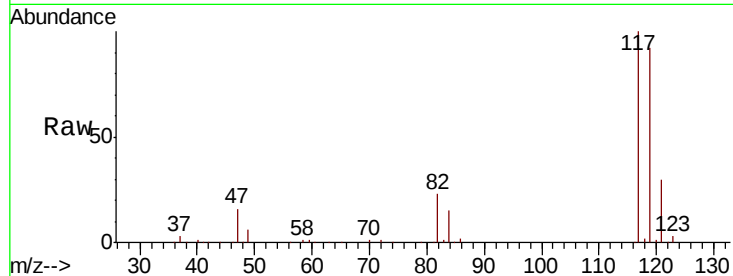
ClientSampleId :

Tot Ion:117 Resp: 206016

Ion Ratio Lower Upper

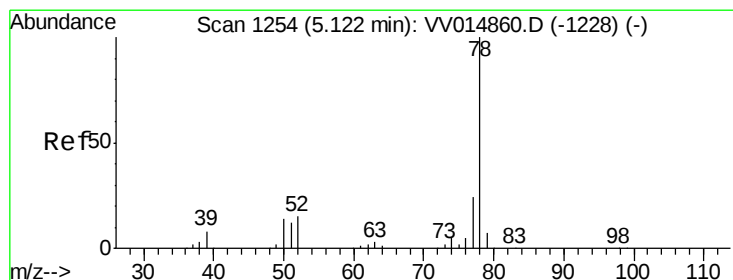
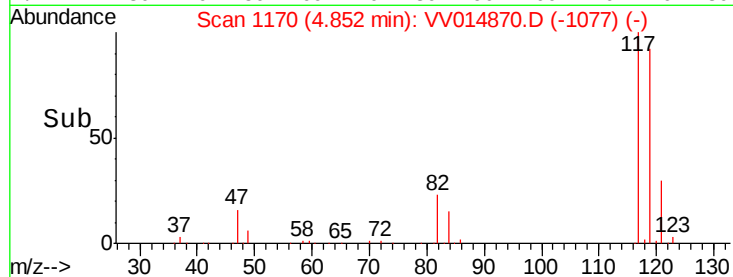
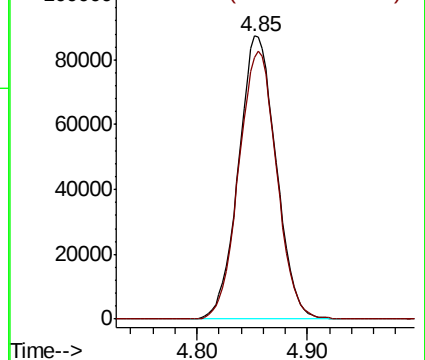
117 100

119 95.4 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 44.877 ug/L

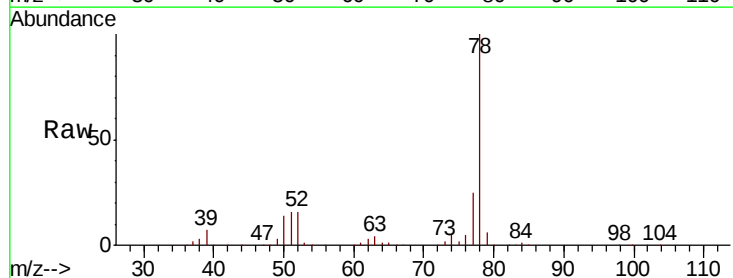
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

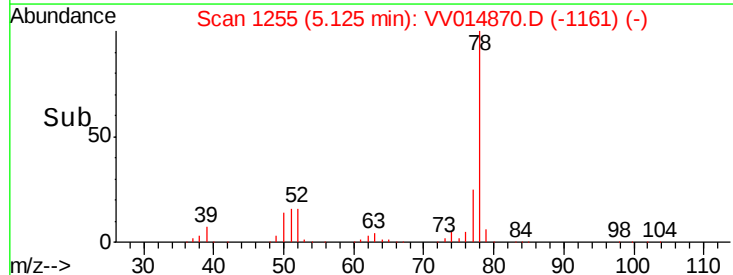
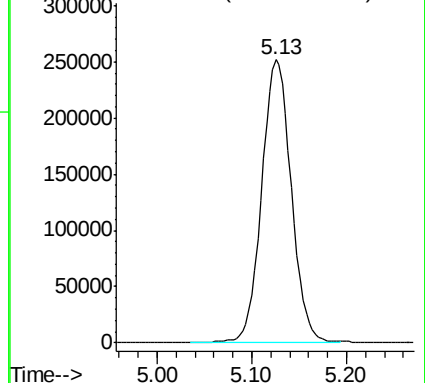
Lab File: VV014870.D

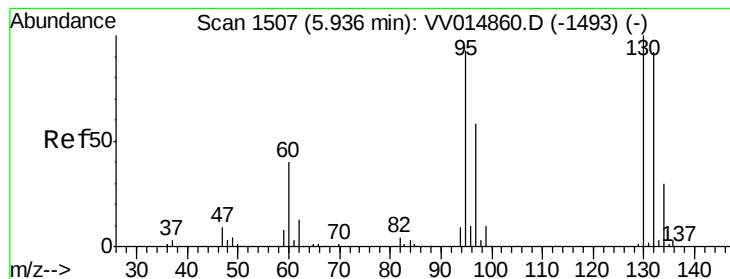
Acq: 12 Mar 2020 16:05

Tgt Ion: 78 Resp: 547306



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 44.697 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 142456

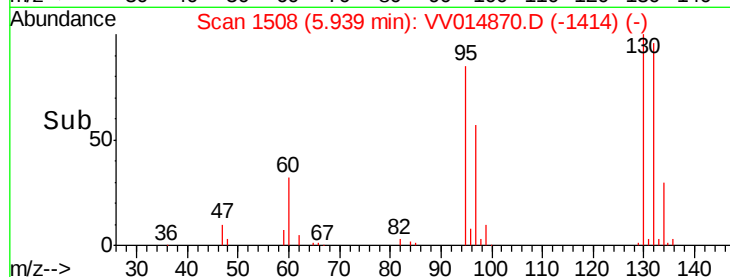
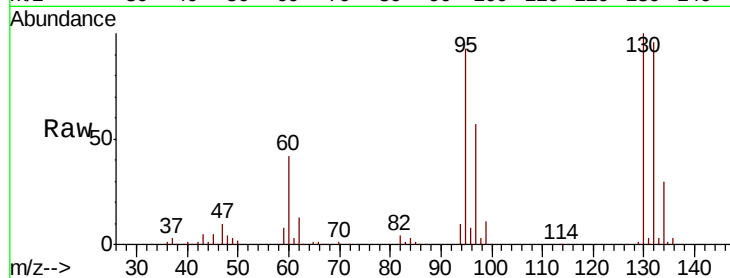
Ion Ratio Lower Upper

95 100

97 61.8 43.8 81.4

132 103.5 65.8 122.2

130 107.8 70.6 131.2



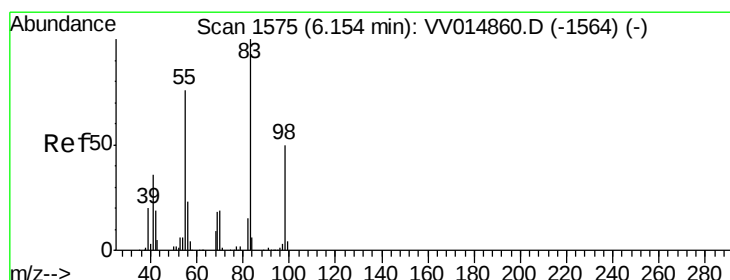
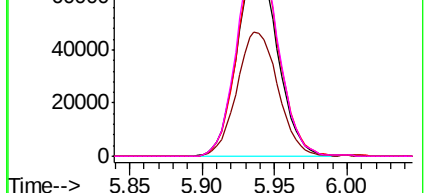
Abundance Ion 95.00 (94.70 to 95.70): VV014870.D (-1414) (-)

Ion 97.00 (96.70 to 97.70): VV014870.D (-1414) (-)

Ion 132.00 (131.70 to 132.70): VV014870.D (-1414) (-)

Ion 130.00 (129.70 to 130.70): VV014870.D (-1414) (-)

Time-->



#35

Methylcyclohexane

Concen: 44.783 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

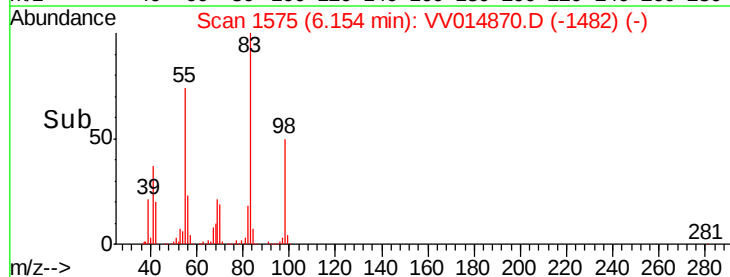
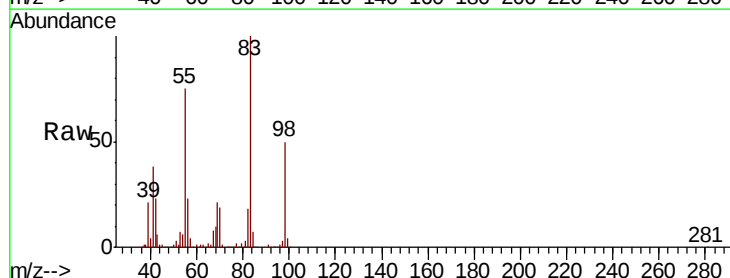
Tgt Ion: 83 Resp: 235605

Ion Ratio Lower Upper

83 100

55 73.7 63.4 95.2

98 49.6 36.8 55.2

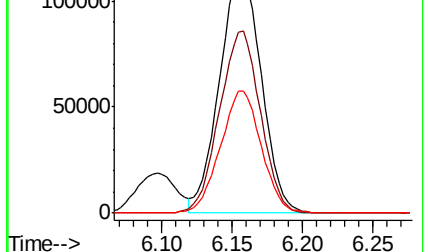


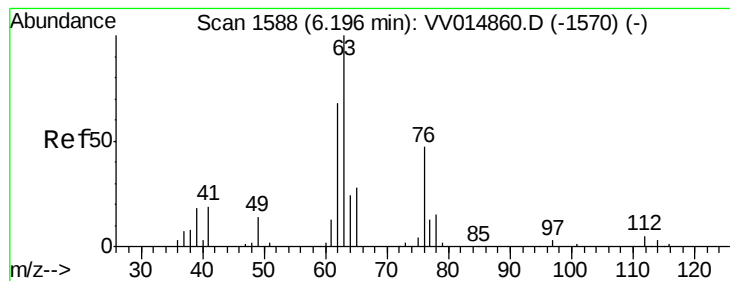
Abundance Ion 83.00 (82.70 to 83.70): VV014870.D (-1482) (-)

Ion 55.00 (54.70 to 55.70): VV014870.D (-1482) (-)

Ion 98.00 (97.70 to 98.70): VV014870.D (-1482) (-)

Time-->





#37

1,2-Dichloropropane

Concen: 41.506 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

Instrument :

MSVOA_V

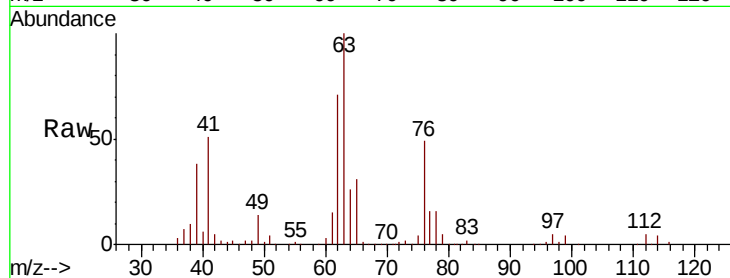
ClientSampleId :

Tot Ion: 63 Resp: 136789

Ion Ratio Lower Upper

63 100

112 4.8 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VV014860.D (-1570) (-)

Ion 112.00 (111.70 to 112.70): VV014860.D (-1570) (-)

6.20

80000

60000

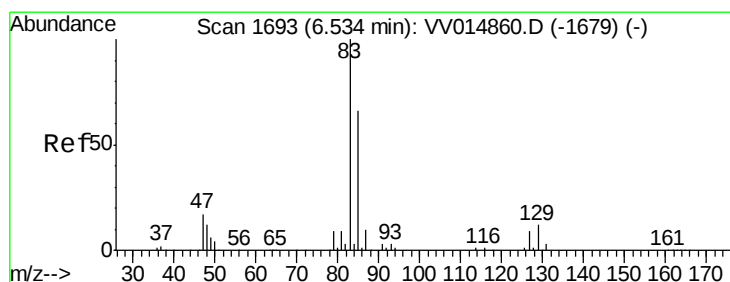
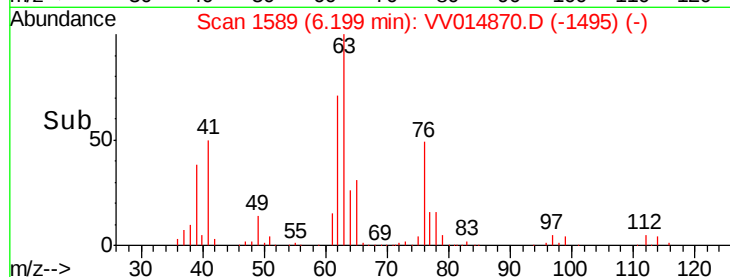
40000

20000

0

6.10 6.15 6.20 6.25

Time-->



#38

Bromodichloromethane

Concen: 46.148 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

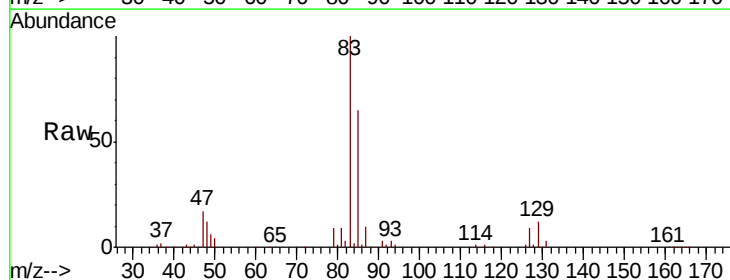
Tgt Ion: 83 Resp: 193464

Ion Ratio Lower Upper

83 100

85 64.6 45.1 83.7

127 9.3 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VV014860.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV014860.D (-1679) (-)

Ion 127.00 (126.70 to 127.70): VV014860.D (-1679) (-)

6.53

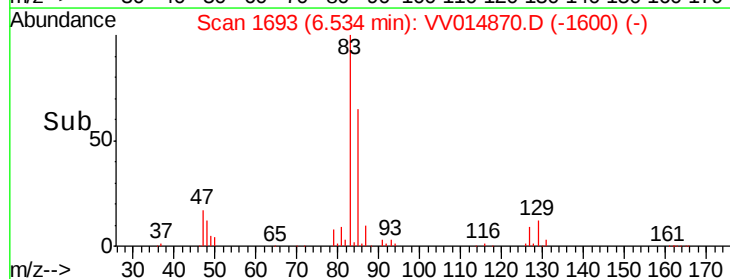
100000

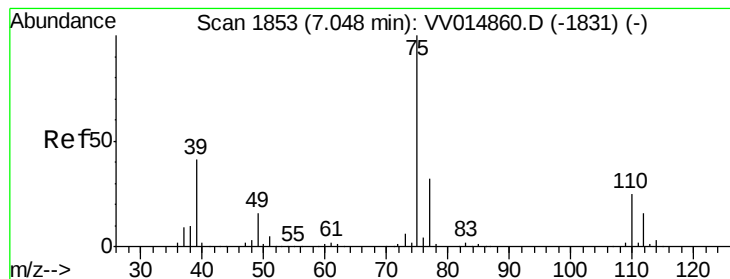
50000

0

6.45 6.50 6.55 6.60

Time-->



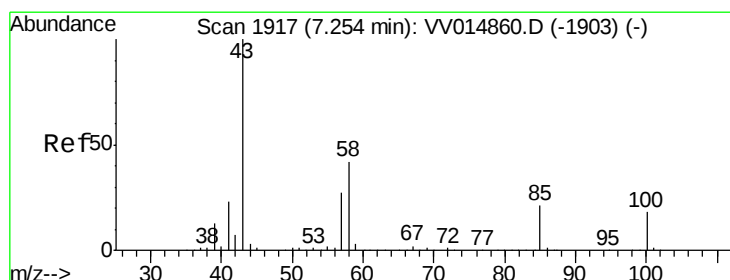
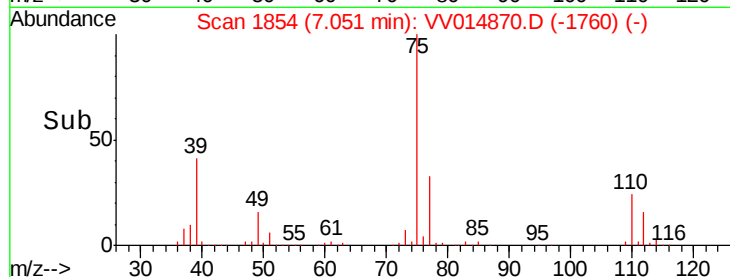
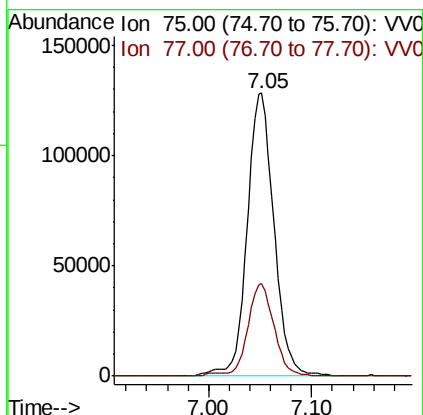
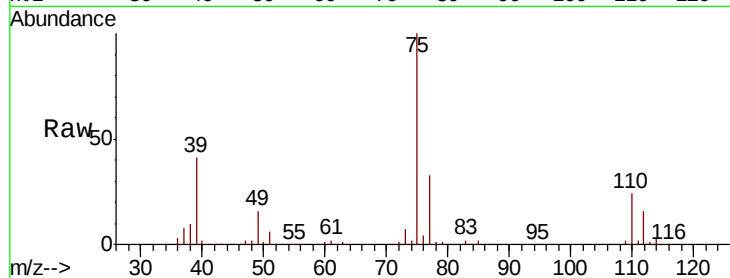


#39

cis-1,3-Dichloropropene
Concen: 44.771 ug/L
RT: 7.05 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VV014870.D
Acq: 12 Mar 2020 16:05

Instrument :
MSVOA_V
ClientSampled :

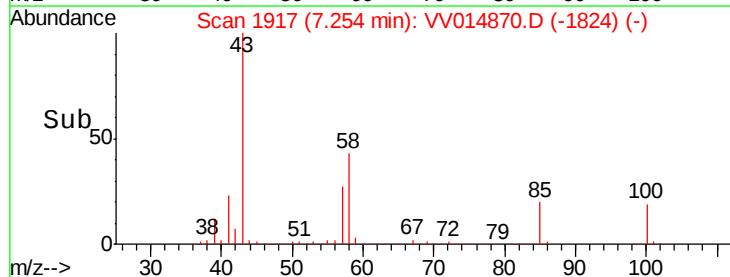
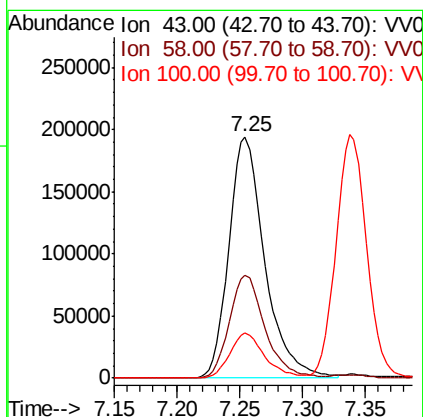
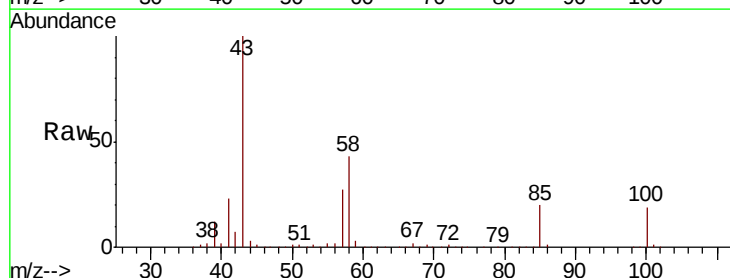
Tot Ion: 75 Resp: 231271
Ion Ratio Lower Upper
75 100
77 32.8 22.8 42.4

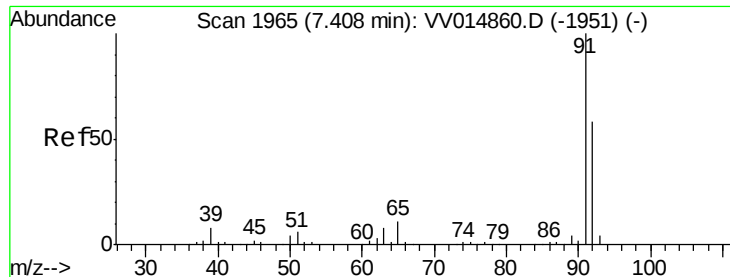


#40

4-Methyl-2-pentanone
Concen: 80.480 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VV014870.D
Acq: 12 Mar 2020 16:05

Tgt Ion: 43 Resp: 384362
Ion Ratio Lower Upper
43 100
58 42.5 31.0 46.4
100 18.2 11.2 16.8#





#42

Toluene

Concen: 45.930 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

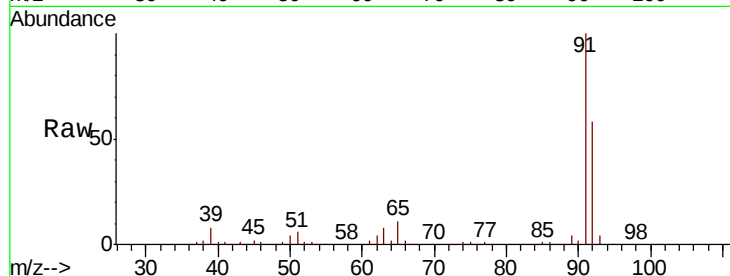
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 617968

Ion Ratio Lower Upper

91 100

92 58.4 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV014860.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV014870.D (-1872) (-)

7.41

400000

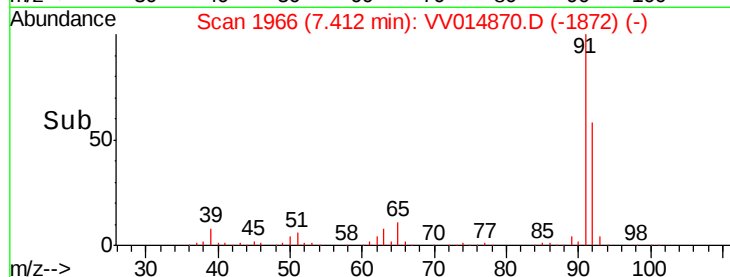
300000

200000

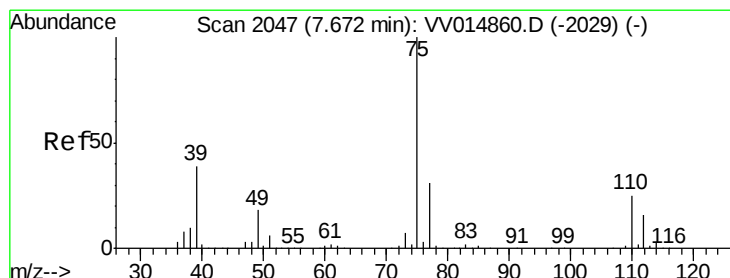
100000

0

Time-->



Time-->



#44

trans-1,3-Dichloropropene

Concen: 44.259 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV014870.D

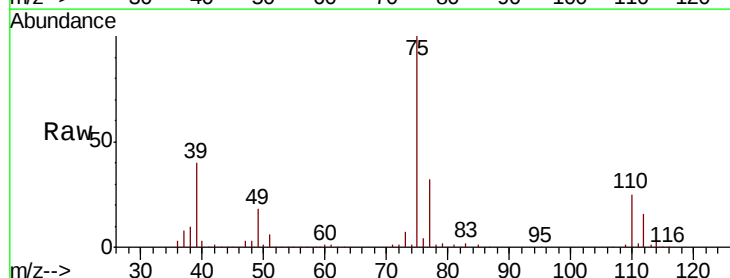
Acq: 12 Mar 2020 16:05

Tgt Ion: 75 Resp: 208420

Ion Ratio Lower Upper

75 100

77 32.3 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV014860.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV014870.D (-1954) (-)

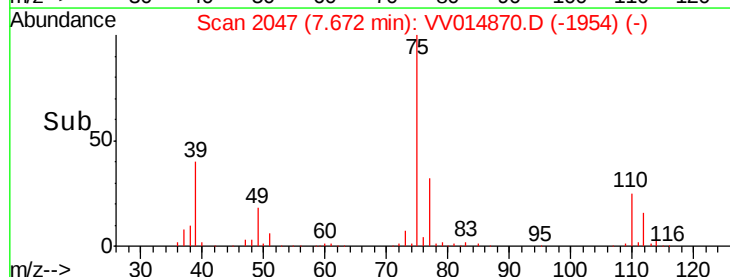
7.67

100000

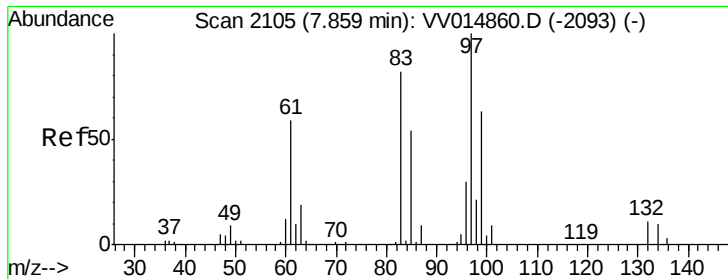
50000

0

Time-->



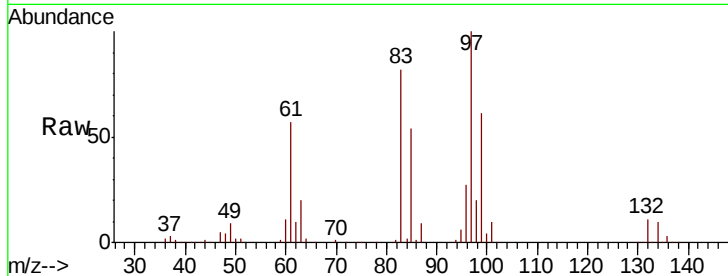
Time-->



#45
 1,1,2-Trichloroethane
 Concen: 47.245 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV014870.D
 Acq: 12 Mar 2020 16:05

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	143399
Ion	Ratio	Lower	Upper
97	100		
99	61.3	43.1	80.1
83	82.0	62.4	115.8
85	54.3	40.1	74.5



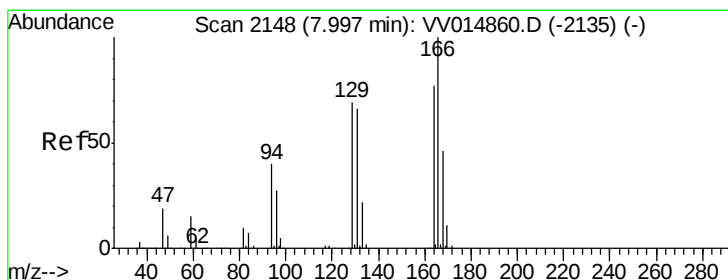
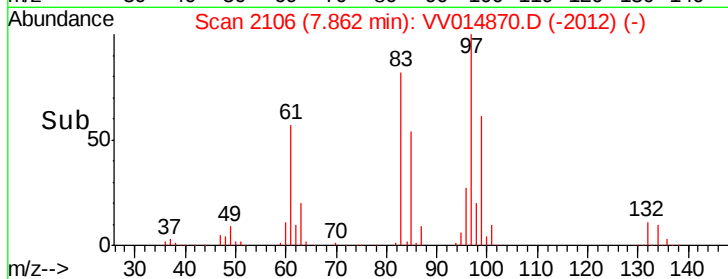
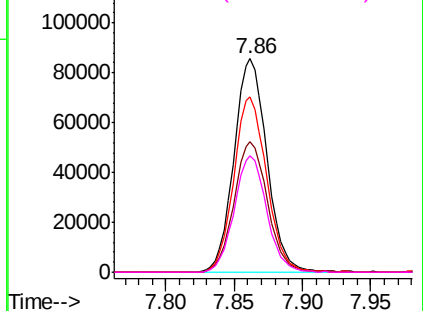
Abundance

Ion 97.00 (96.70 to 97.70): VV014860.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV014860.D (-2093) (-)

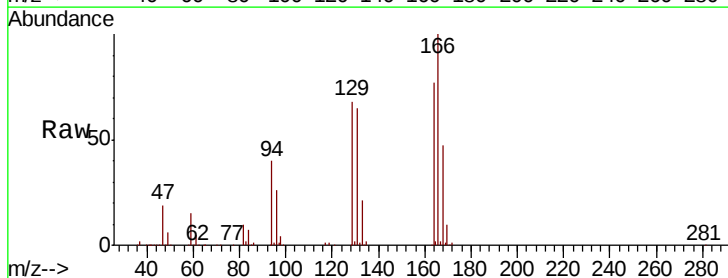
Ion 83.00 (82.70 to 83.70): VV014860.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV014860.D (-2093) (-)



#46
 Tetrachloroethene
 Concen: 49.612 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV014870.D
 Acq: 12 Mar 2020 16:05

Tgt Ion:	164	Resp:	129371
Ion	Ratio	Lower	Upper
164	100		
129	88.6	66.0	122.6
131	84.8	63.9	118.7
166	130.4	89.7	166.7



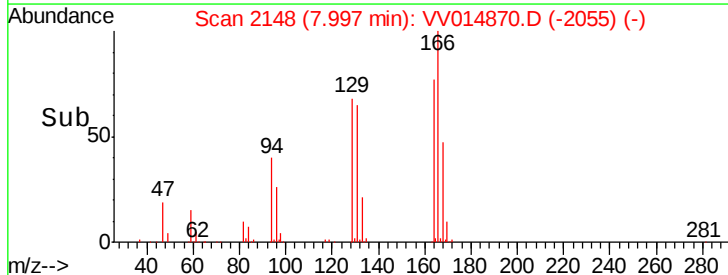
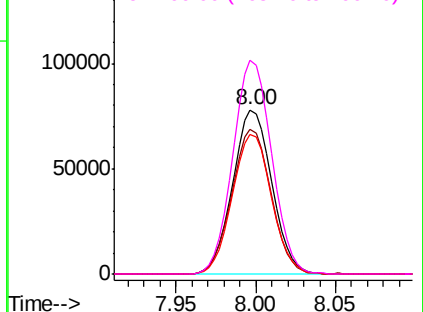
Abundance

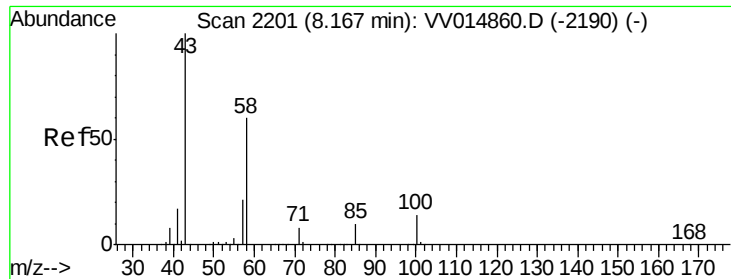
Ion 164.00 (163.70 to 164.70): VV014860.D (-2135) (-)

Ion 129.00 (128.70 to 129.70): VV014860.D (-2135) (-)

Ion 131.00 (130.70 to 131.70): VV014860.D (-2135) (-)

Ion 166.00 (165.70 to 166.70): VV014860.D (-2135) (-)

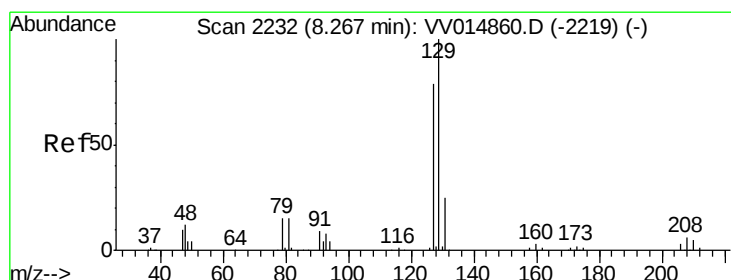
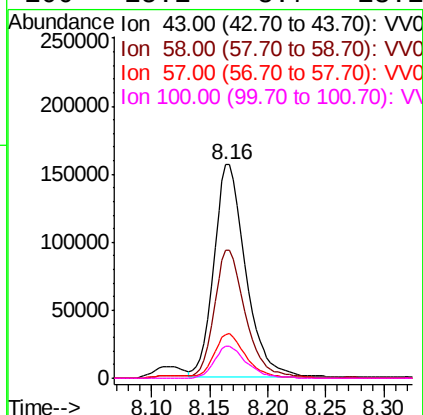
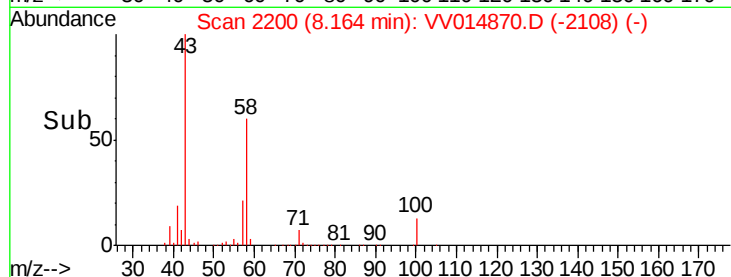
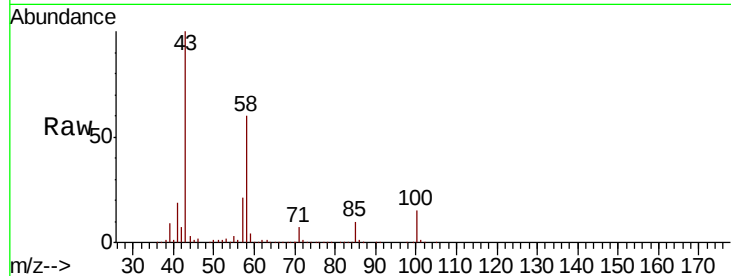




#48
2-Hexanone
Concen: 79.507 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV014870.D
Acq: 12 Mar 2020 16:05

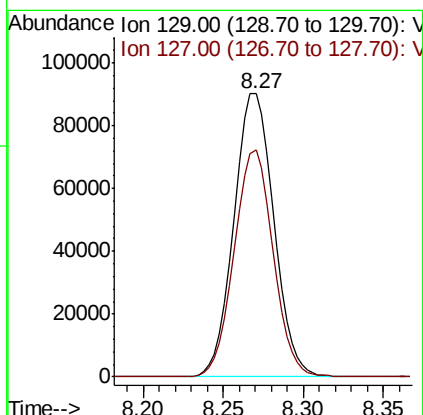
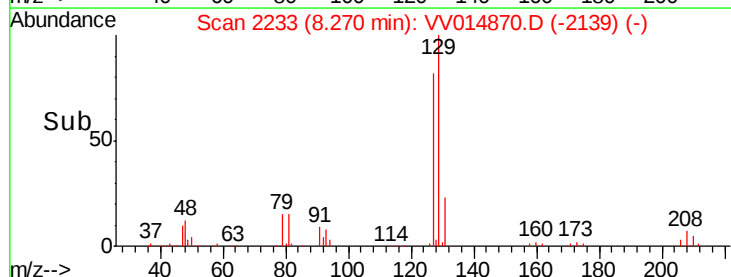
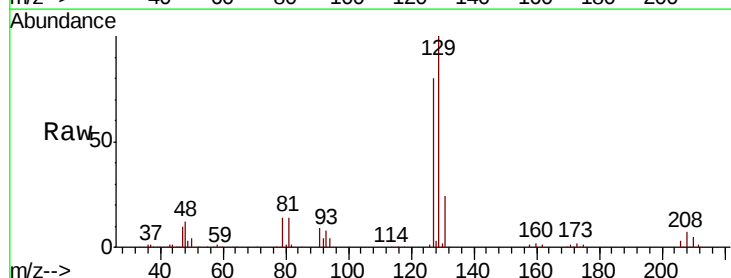
Instrument :
MSVOA_V
ClientSampleId :

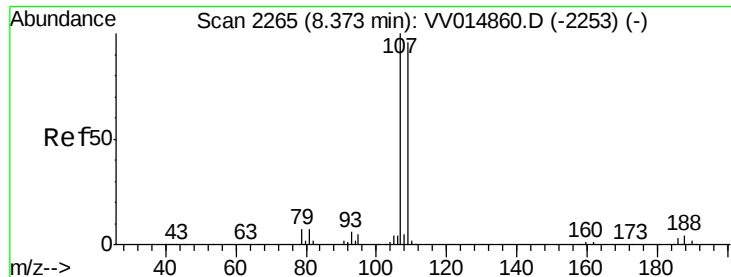
Tot Ion: 43 Resp: 298642
Ion Ratio Lower Upper
43 100
58 59.2 43.3 64.9
57 20.2 15.6 23.4
100 15.1 8.7 13.1#



#49
Dibromochloromethane
Concen: 46.410 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV014870.D
Acq: 12 Mar 2020 16:05

Tgt Ion: 129 Resp: 153532
Ion Ratio Lower Upper
129 100
127 80.2 53.9 100.1

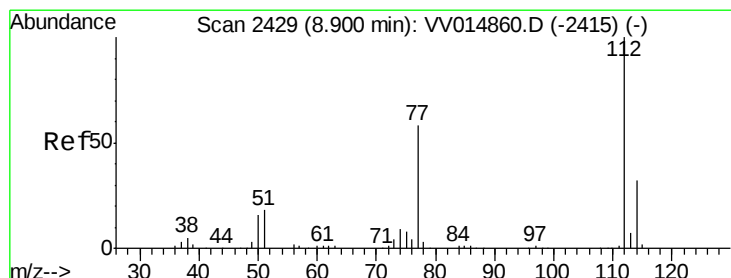
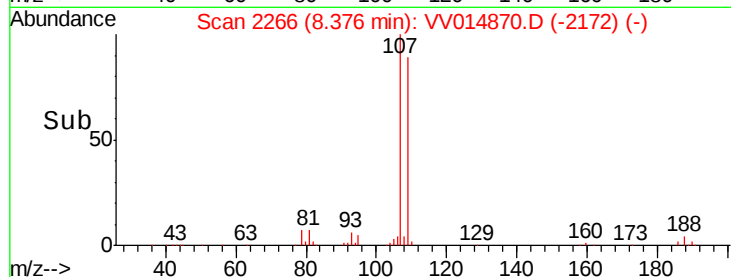
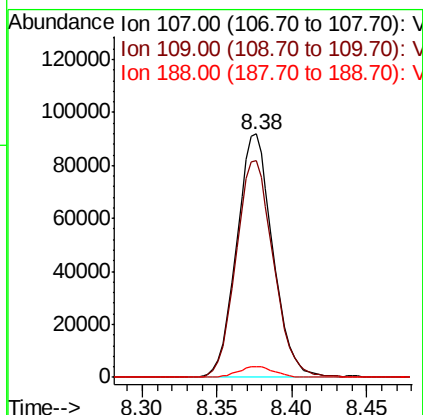
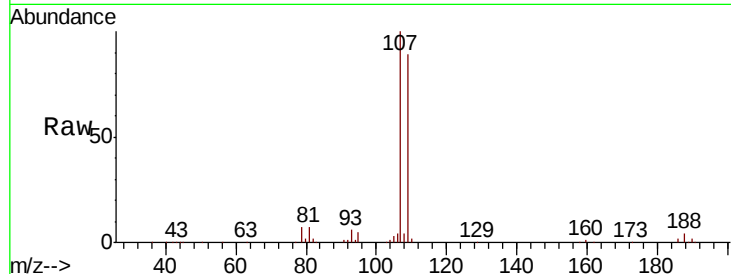




#50
1,2-Dibromoethane
Concen: 46.948 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV014870.D
Acq: 12 Mar 2020 16:05

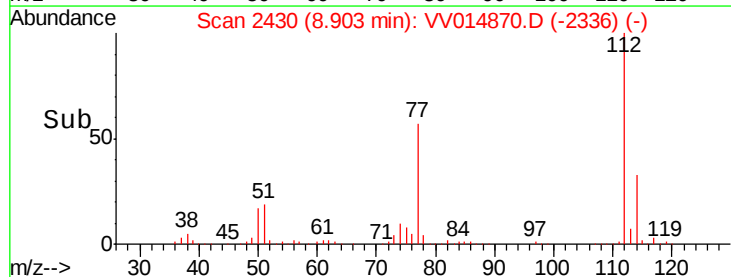
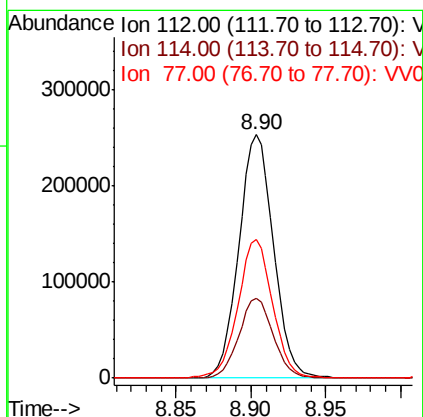
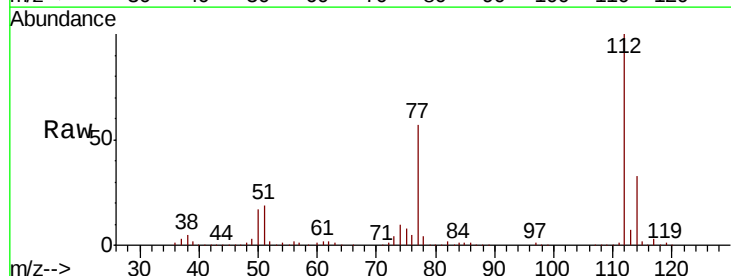
Instrument :
MSVOA_V
ClientSampled :

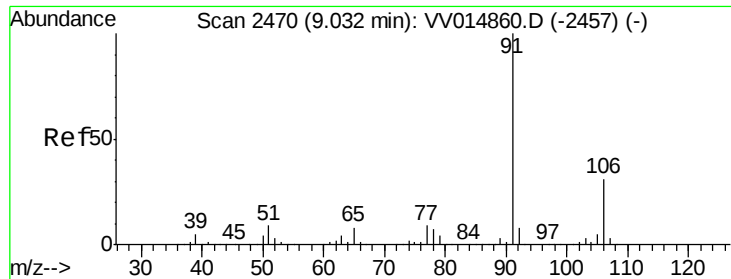
Tot Ion:107 Resp: 154031
Ion Ratio Lower Upper
107 100
109 89.0 66.6 123.6
188 4.5 3.0 4.6



#51
Chlorobenzene
Concen: 47.223 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV014870.D
Acq: 12 Mar 2020 16:05

Tgt Ion:112 Resp: 408808
Ion Ratio Lower Upper
112 100
114 33.0 22.1 41.1
77 57.2 47.8 71.8





#52

Ethylbenzene

Concen: 46.097 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

Instrument :

MSVOA_V

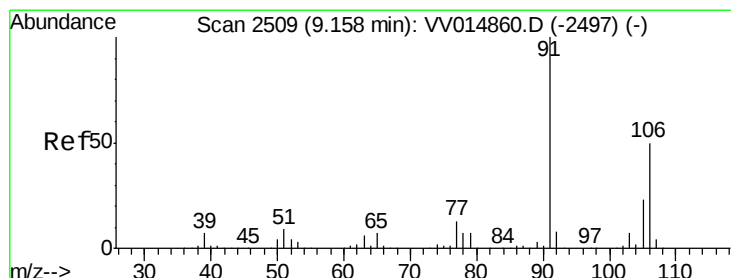
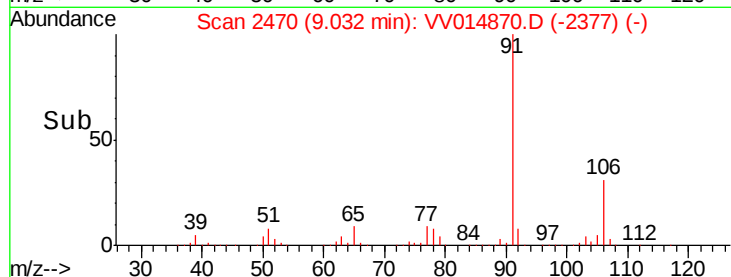
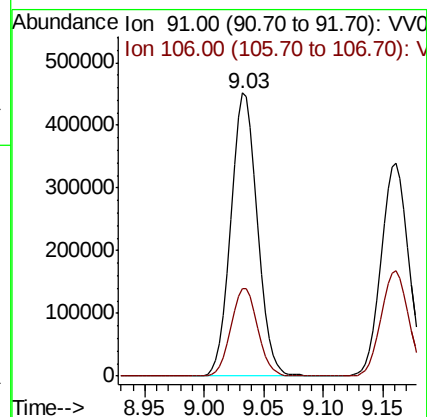
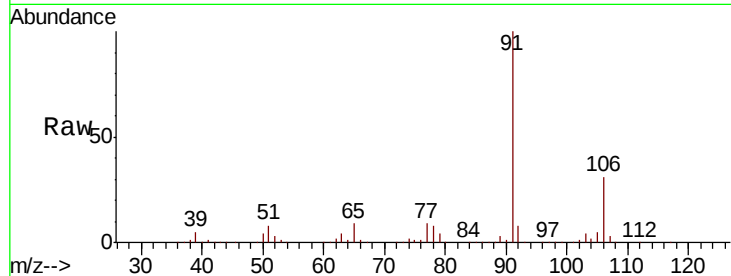
ClientSampled :

Tot Ion: 91 Resp: 698735

Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.6



#53

m,p-Xylene

Concen: 47.567 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV014870.D

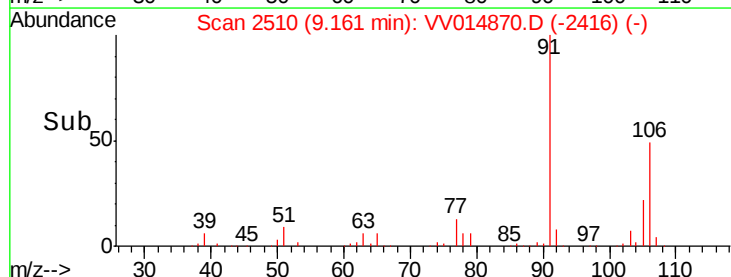
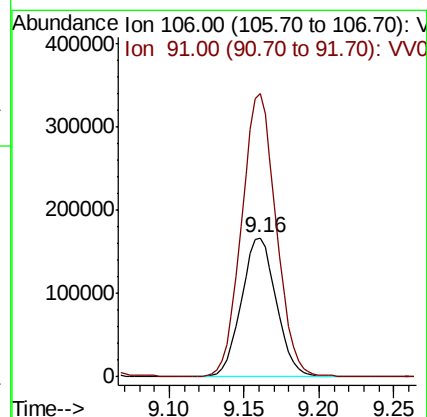
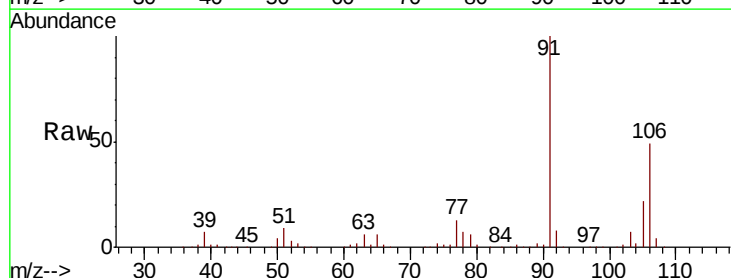
Acq: 12 Mar 2020 16:05

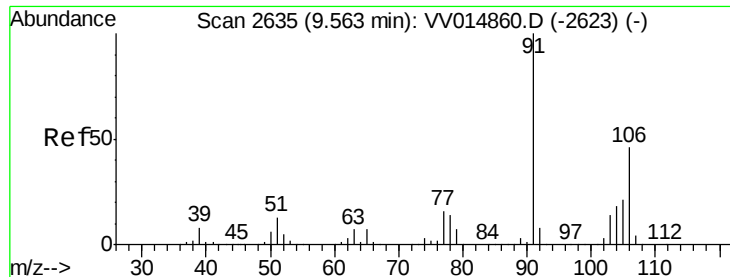
Tgt Ion: 106 Resp: 270584

Ion Ratio Lower Upper

106 100

91 203.3 145.1 269.5





#54

o-xylene

Concen: 47.870 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

Instrument :

MSVOA_V

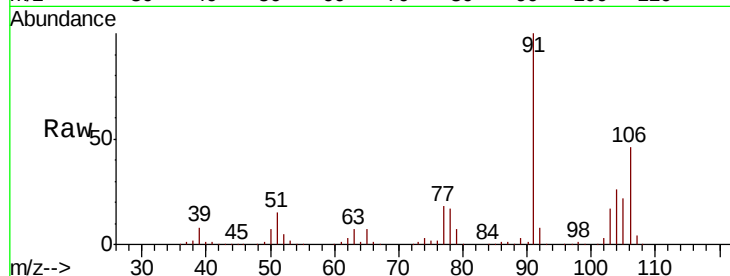
ClientSampleId :

Tot Ion:106 Resp: 267487

Ion Ratio Lower Upper

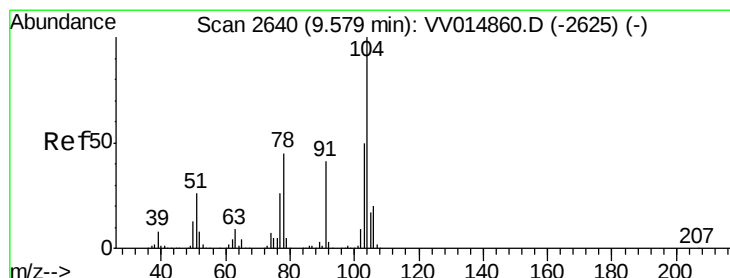
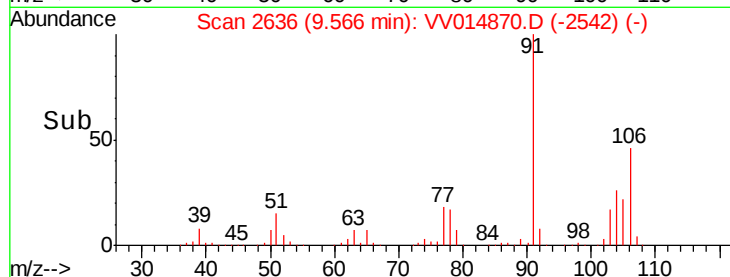
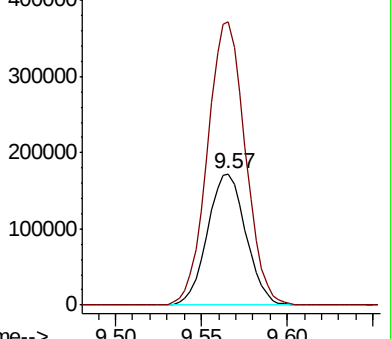
106 100

91 215.2 152.5 283.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 48.330 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014870.D

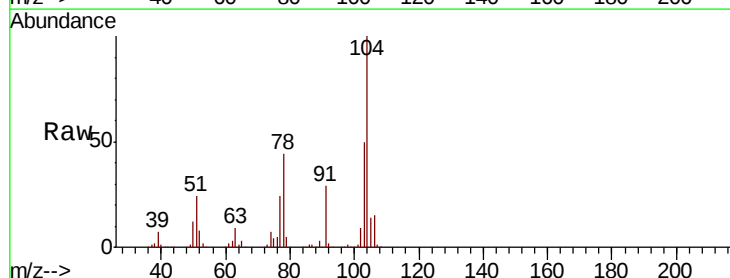
Acq: 12 Mar 2020 16:05

Tgt Ion:104 Resp: 461793

Ion Ratio Lower Upper

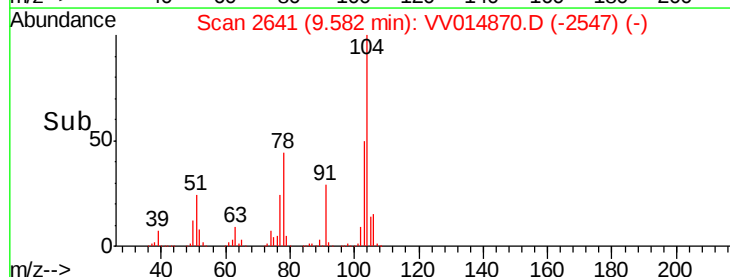
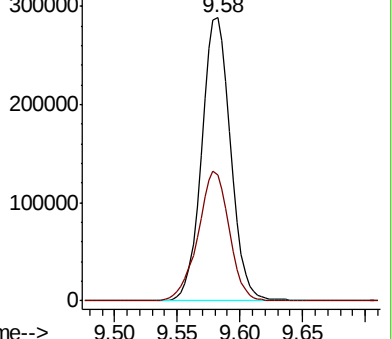
104 100

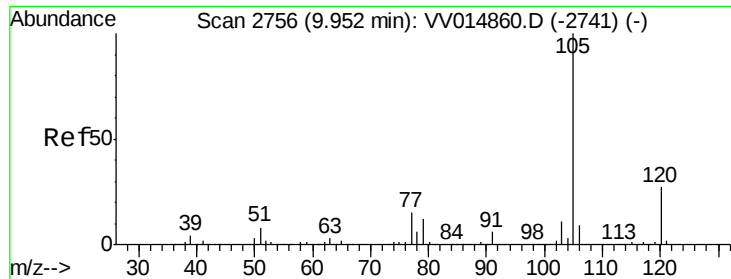
78 44.3 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 47.208 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

Instrument :

MSVOA_V

ClientSampleId :

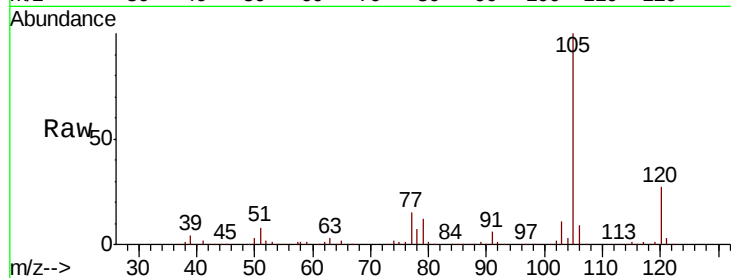
Tot Ion:105 Resp: 706509

Ion Ratio Lower Upper

105 100

120 27.5 20.6 31.0

77 15.2 12.7 19.1

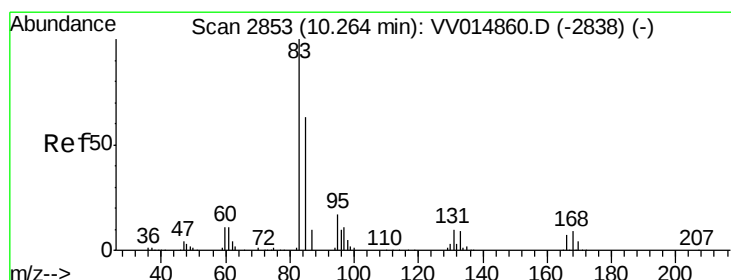
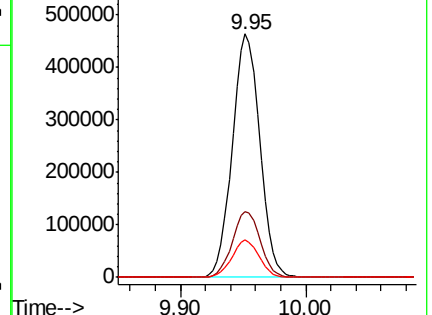
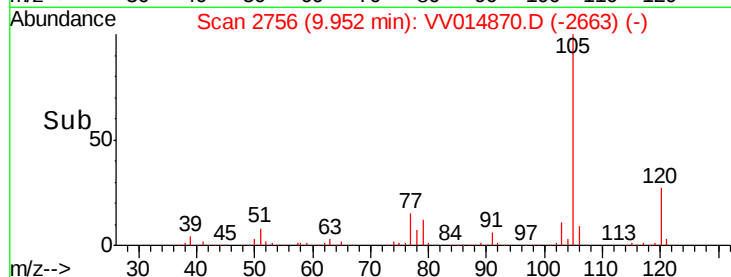


Abundance

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: 44.746 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

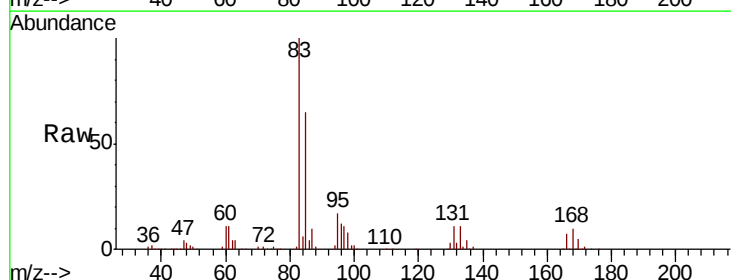
Tgt Ion: 83 Resp: 233929

Ion Ratio Lower Upper

83 100

85 64.8 44.4 82.5

131 10.8 7.8 11.8

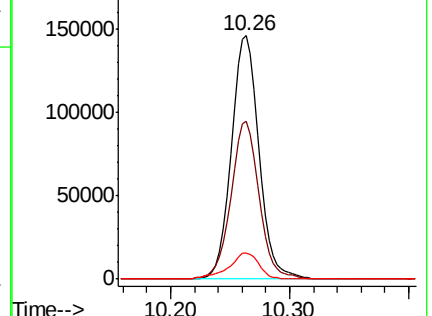
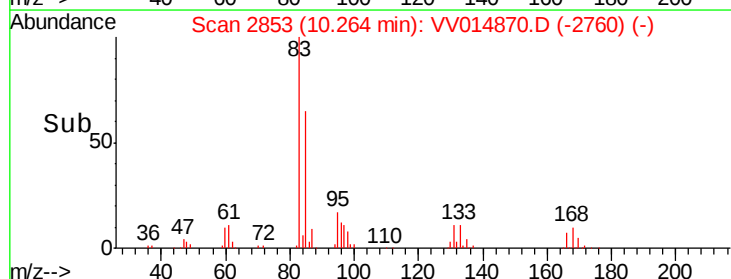


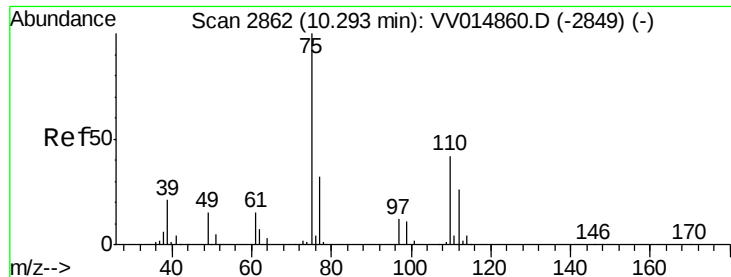
Abundance

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: 44.490 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

Instrument :

MSVOA_V

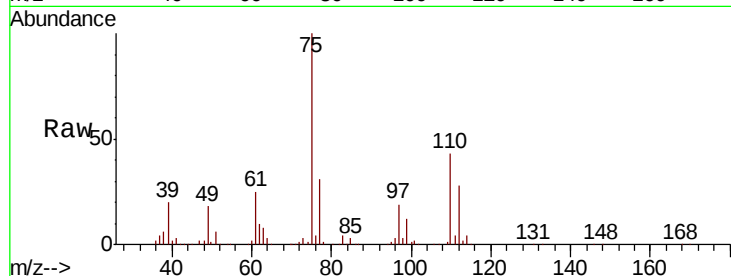
ClientSampled :

Tot Ion: 75 Resp: 187251

Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV014860.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV014860.D (-2849) (-)

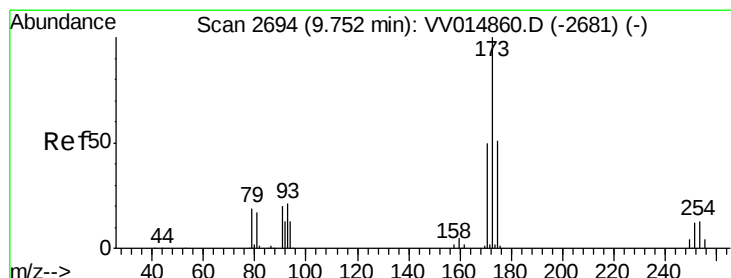
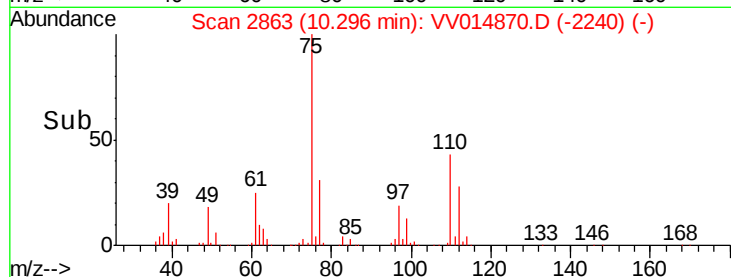
10.30

100000

50000

0

Time-->



#61

Bromoform

Concen: 42.687 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

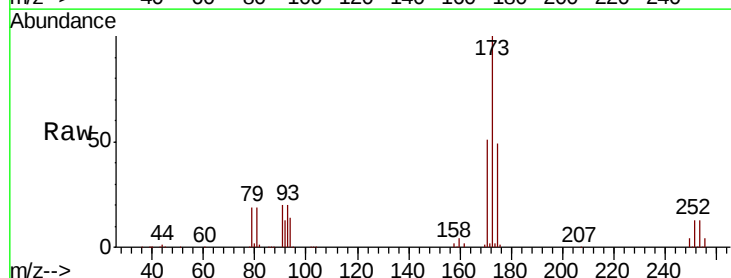
Tgt Ion: 173 Resp: 105001

Ion Ratio Lower Upper

173 100

175 49.0 39.0 58.4

254 12.6 8.6 13.0



Abundance Ion 173.00 (172.70 to 173.70): VV014860.D (-2681) (-)

Ion 175.00 (174.70 to 175.70): VV014860.D (-2681) (-)

Ion 254.00 (253.70 to 254.70): VV014860.D (-2681) (-)

9.75

80000

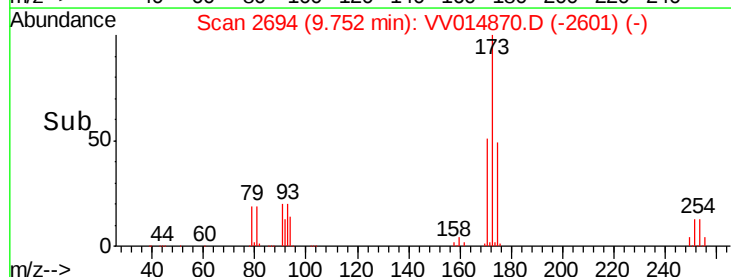
60000

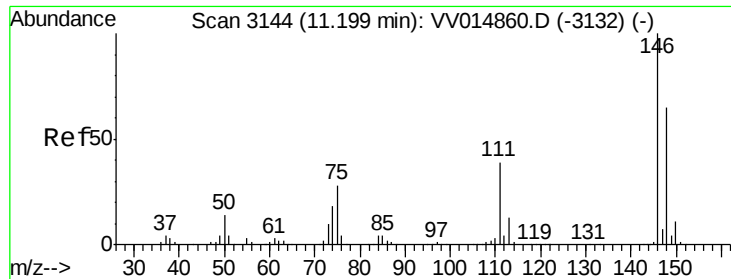
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 47.367 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. -0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

Instrument :

MSVOA_V

ClientSampleId :

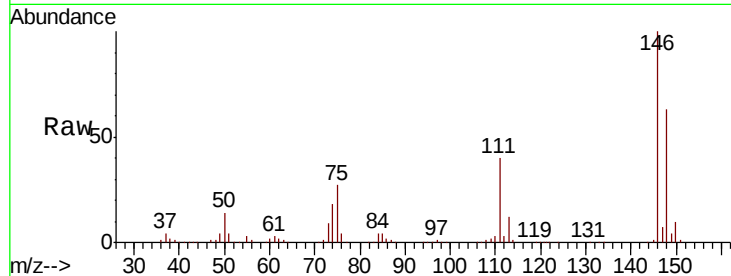
Tot Ion:146 Resp: 347296

Ion Ratio Lower Upper

146 100

111 39.9 27.2 50.4

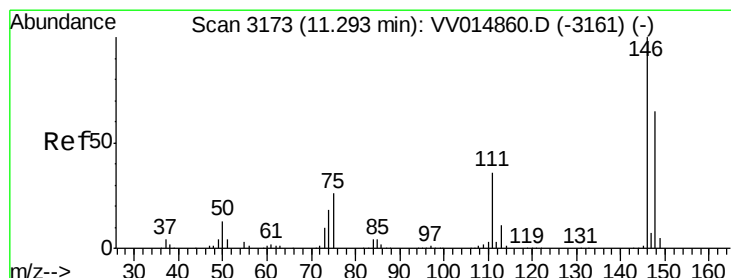
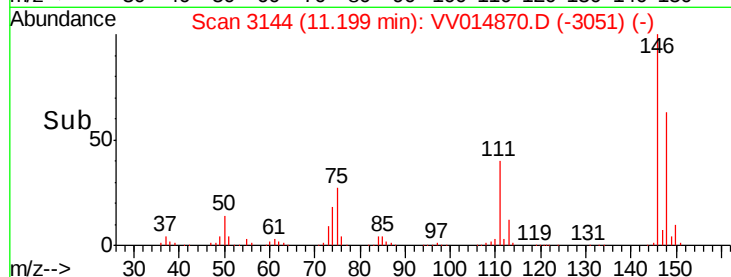
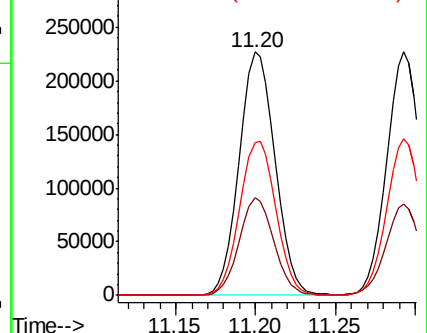
148 62.9 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 46.363 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

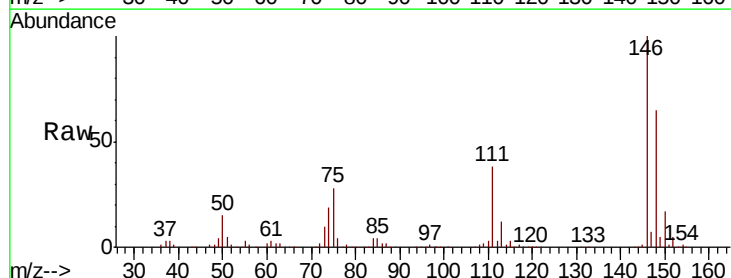
Tgt Ion:146 Resp: 342477

Ion Ratio Lower Upper

146 100

111 37.7 26.3 48.9

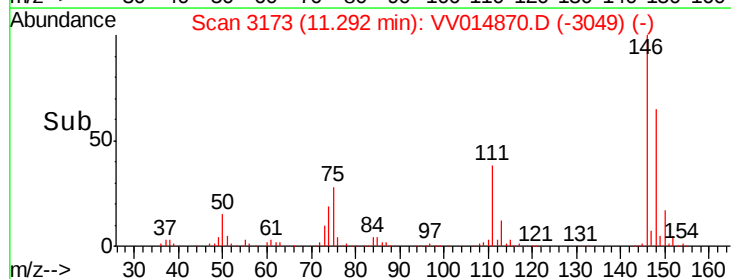
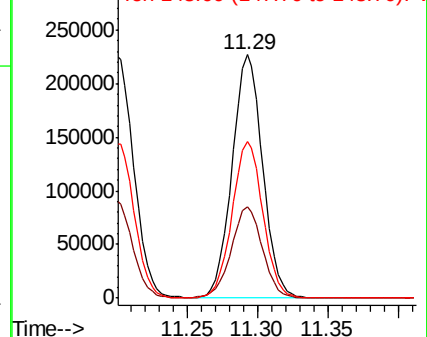
148 64.6 44.0 81.8

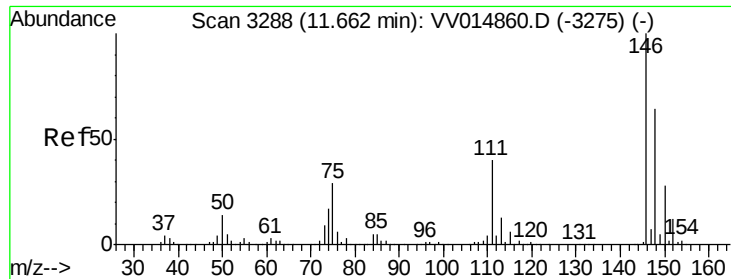


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.023 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

Instrument :

MSVOA_V

ClientSampleId :

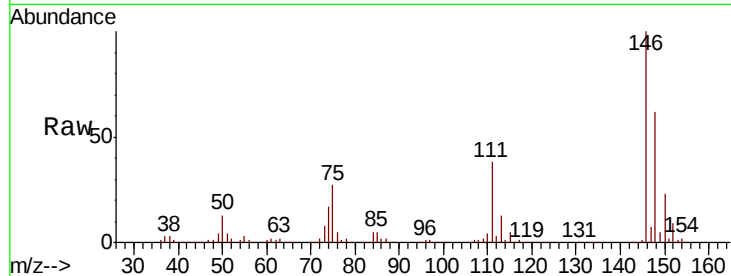
Tot Ion:146 Resp: 350549

Ion Ratio Lower Upper

146 100

111 38.1 33.9 50.9

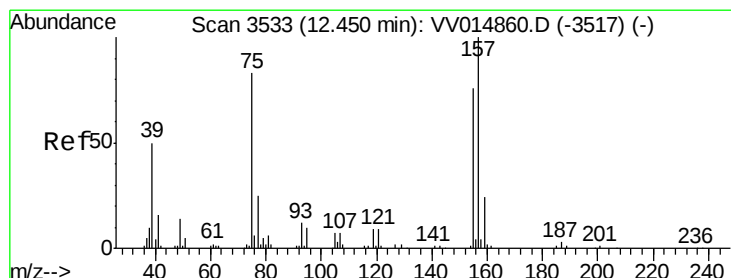
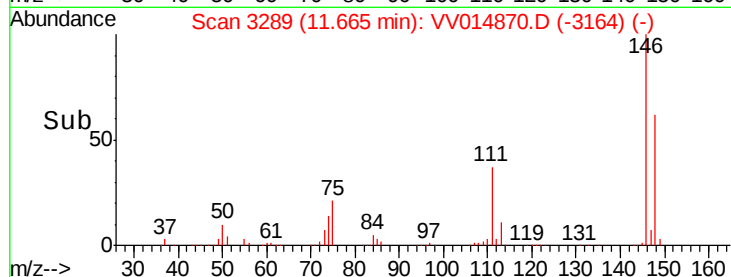
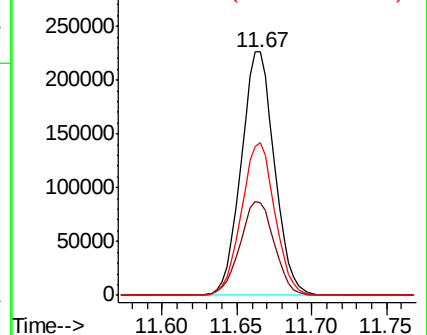
148 62.5 51.4 77.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 41.521 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

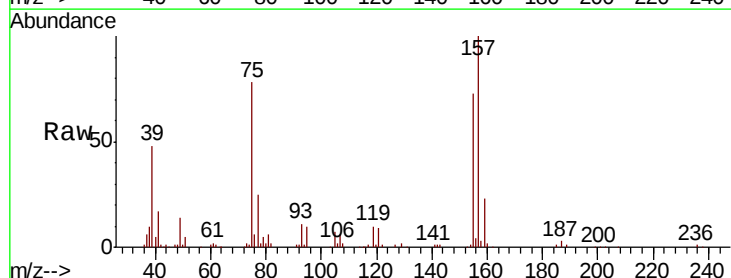
Tgt Ion: 75 Resp: 51440

Ion Ratio Lower Upper

75 100

155 93.0 66.4 99.6

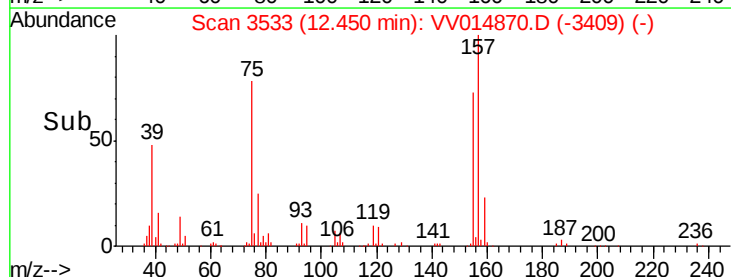
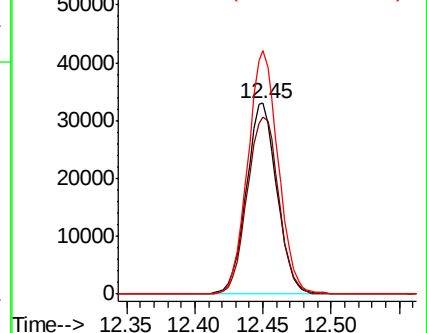
157 127.8 86.1 129.1

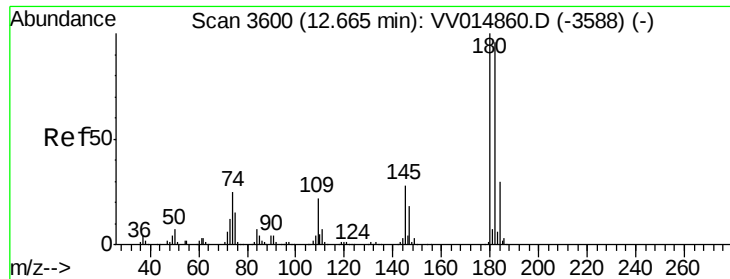


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

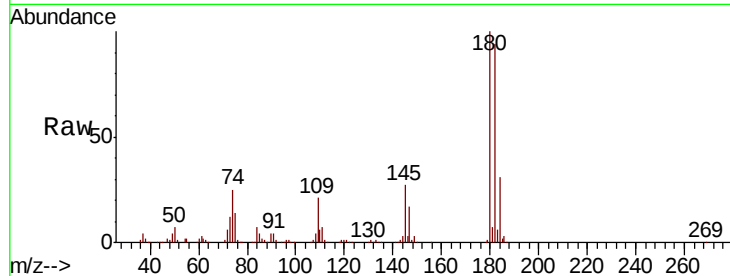




#67
 1,3,5-Trichlorobenzene
 Concen: 47.571 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV014870.D
 Acq: 12 Mar 2020 16:05

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.6	113.4
184	30.1	24.8	37.2
145	27.2	23.3	34.9



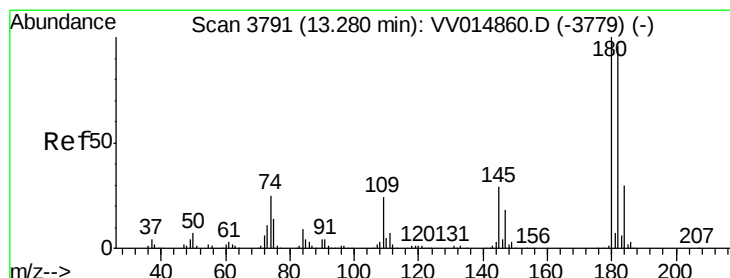
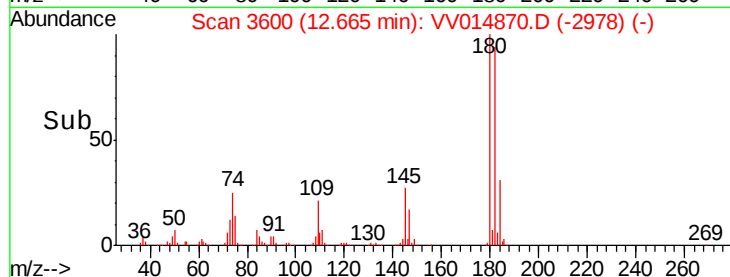
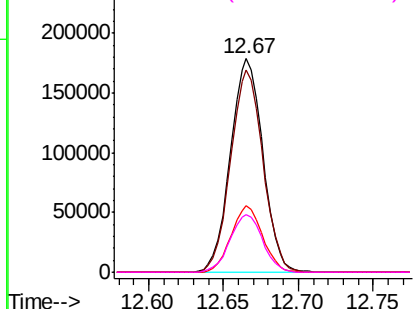
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

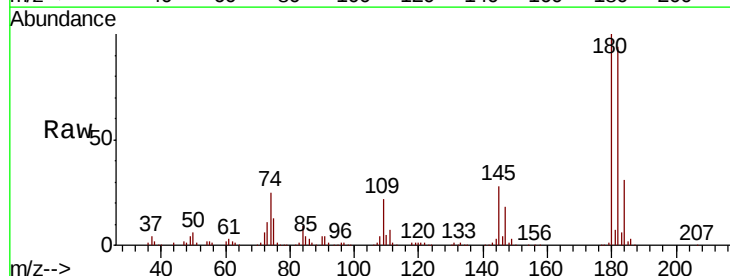
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 46.228 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014870.D
 Acq: 12 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.6	114.8
145	28.4	23.4	35.0

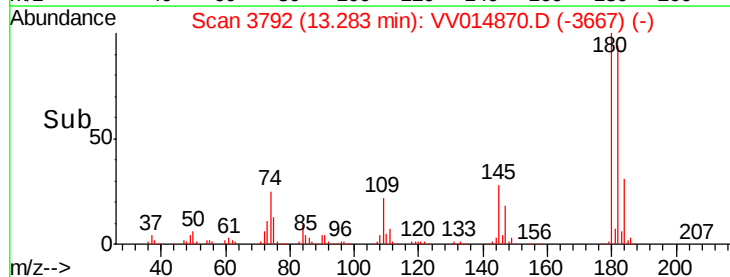
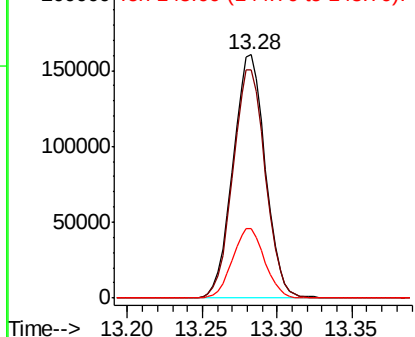


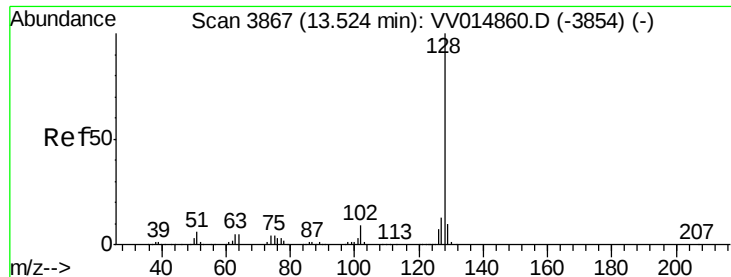
Abundance

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: 45.796 ug/L

RT: 13.52 min Scan# 3866

Delta R.T. -0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

Instrument :

MSVOA_V

ClientSampleId :

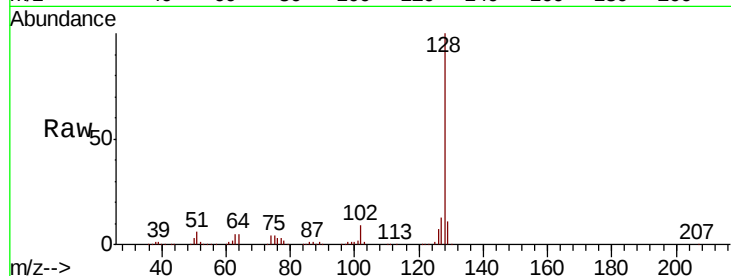
Tot Ion:128 Resp: 359330

Ion Ratio Lower Upper

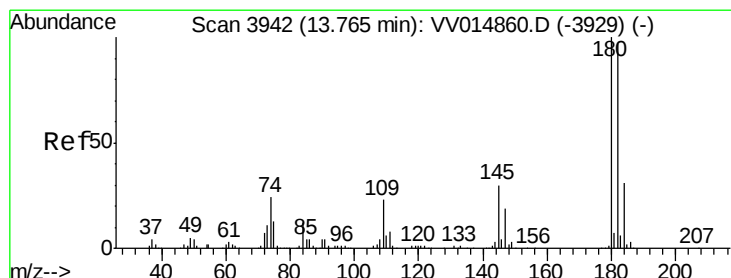
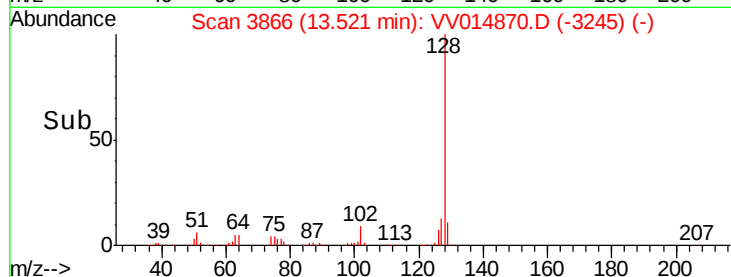
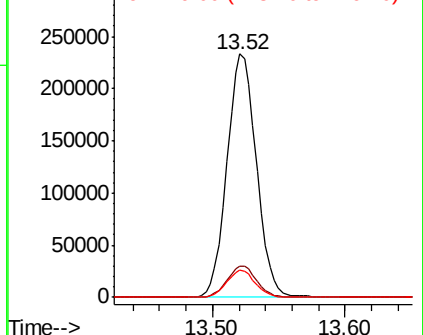
128 100

127 12.9 10.3 15.5

129 10.8 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: 47.858 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV014870.D

Acq: 12 Mar 2020 16:05

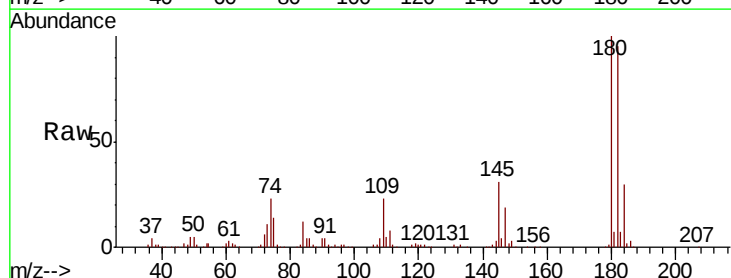
Tgt Ion:180 Resp: 248623

Ion Ratio Lower Upper

180 100

182 95.4 76.5 114.7

145 30.5 25.0 37.4



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

