

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050820\
 Data File : VW015426.D
 Acq On : 08 May 2020 15:27
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 09 06:19:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050420S.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 09 06:17:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	346671	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	315076	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	156200	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	93283	21.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.04%
7) Chloroethane-d5	2.89	69	92591	22.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.56%
10) 1,1-Dichloroethene-d2	4.02	63	194141	22.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.04%
20) 2-Butanone-d5	7.09	46	60094	51.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.74%
24) Chloroform-d	7.65	84	197915	22.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	8.31	65	115222	23.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.96%
29) Benzene-d6	8.27	84	384090	22.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.12%
33) 1,2-Dichloropropane-d6	9.27	67	120210	23.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.04%
37) Toluene-d8	10.32	98	369321	22.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.12%
38) trans-1,3-Dichloropropene-	10.58	79	55090	23.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.68%
39) 2-Hexanone-d5	10.92	63	49338	51.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.24%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	99925	25.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	123854	22.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	61458	20.201	ug/L	99
3) Chloromethane	2.21	50	68079	20.912	ug/L	97
5) Vinyl chloride	2.37	62	114306	22.598	ug/L	98
6) Bromomethane	2.78	94	78339	22.511	ug/L	99
8) Chloroethane	2.93	64	77525	22.930	ug/L	99
9) Trichlorofluoromethane	3.26	101	79522	21.565	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	97764	23.795	ug/L	98
12) 1,1-Dichloroethene	4.04	96	95326	22.925	ug/L	91
13) Acetone	4.14	43	47150	53.745	ug/L	98
14) Carbon disulfide	4.38	76	282963	21.908	ug/L	99
15) Methyl Acetate	4.68	43	51950	27.074	ug/L	99
16) Methylene chloride	4.91	84	106178	21.385	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	173082	25.603	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	104576	23.337	ug/L	98
19) 1,1-Dichloroethane	6.21	63	197465	23.397	ug/L	99
21) 2-Butanone	7.18	43	71305	54.061	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	113590	23.520	ug/L	98

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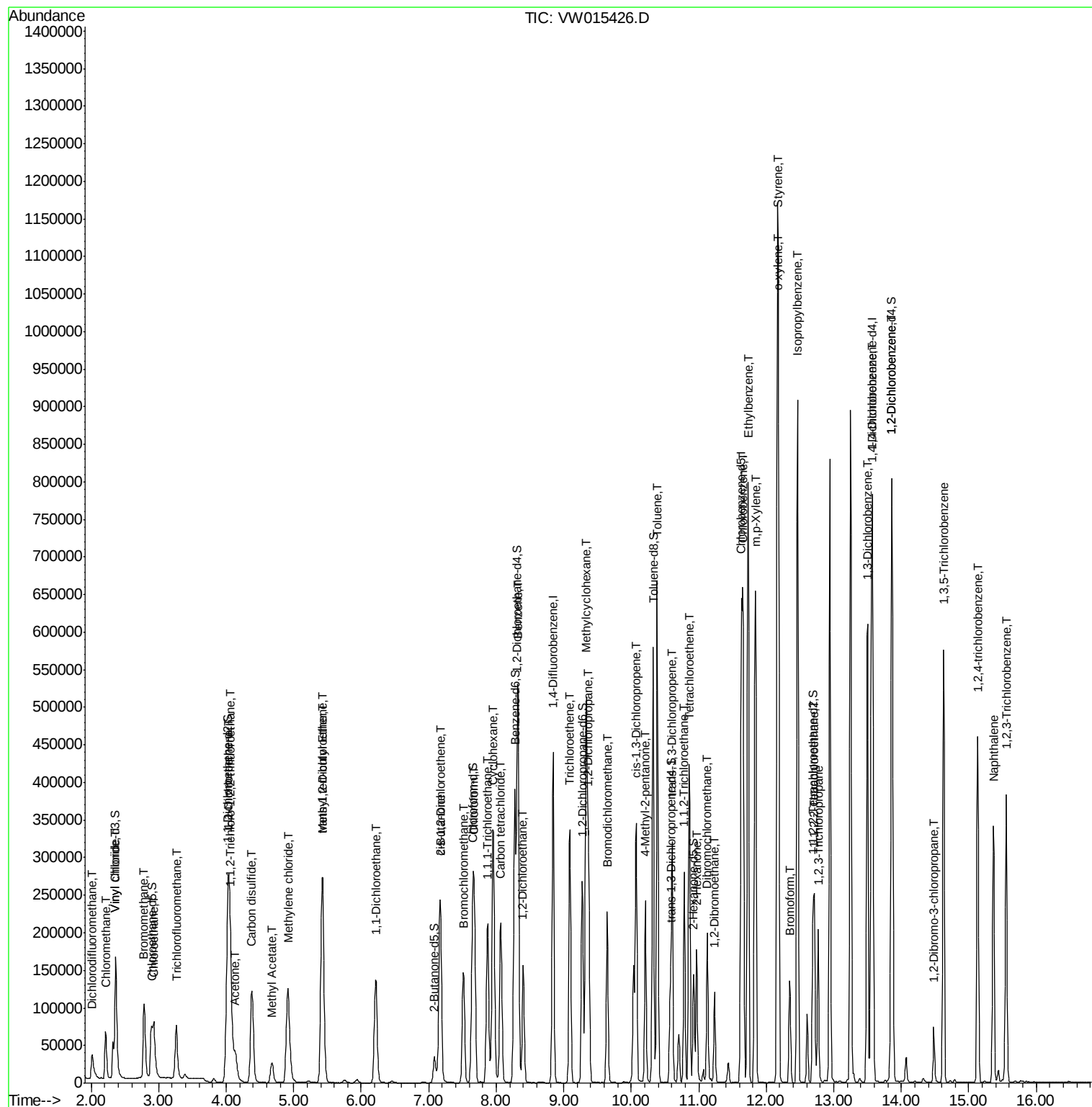
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	50571	25.123	ug/L	96
25) Chloroform	7.68	83	200348	24.011	ug/L	100
27) 1,2-Dichloroethane	8.40	62	143721	25.314	ug/L	98
30) Cyclohexane	7.95	56	189755	23.024	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	169596	23.985	ug/L	99
32) Carbon tetrachloride	8.07	117	155692	24.195	ug/L	99
34) Benzene	8.32	78	440282	23.885	ug/L	100
35) Trichloroethene	9.09	95	116186	23.521	ug/L	100
36) Methylcyclohexane	9.34	83	206078	23.496	ug/L	99
40) 1,2-Dichloropropane	9.37	63	112305	24.379	ug/L	100
41) Bromodichloromethane	9.64	83	150417	24.736	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	182631	24.551	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	157962	51.179	ug/L	99
44) Toluene	10.39	91	480980	23.875	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	163172	25.169	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	84255	26.088	ug/L	98
47) Tetrachloroethene	10.86	164	88726	23.943	ug/L	94
49) 2-Hexanone	10.97	43	110265	56.700	ug/L	99
50) Dibromochloromethane	11.13	129	100345	25.683	ug/L	99
51) 1,2-Dibromoethane	11.23	107	81450	26.428	ug/L	98
52) Chlorobenzene	11.66	112	305952	24.072	ug/L	98
53) Ethylbenzene	11.73	91	556090	23.668	ug/L	98
54) m,p-Xylene	11.84	106	209158	23.828	ug/L	99
55) o-xylene	12.16	106	203145	24.056	ug/L	99
56) Styrene	12.18	104	351009	24.345	ug/L	96
57) Isopropylbenzene	12.46	105	553821	23.741	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	104342	27.159	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	80399	27.554	ug/L	99
62) Bromoform	12.35	173	58238	25.244	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	242928	24.458	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	234789	23.744	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	213113	24.391	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	18738	26.607	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	166687	24.407	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	142352	25.244	ug/L	95
69) Naphthalene	15.36	128	287981	27.213	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	121098	24.926	ug/L	100

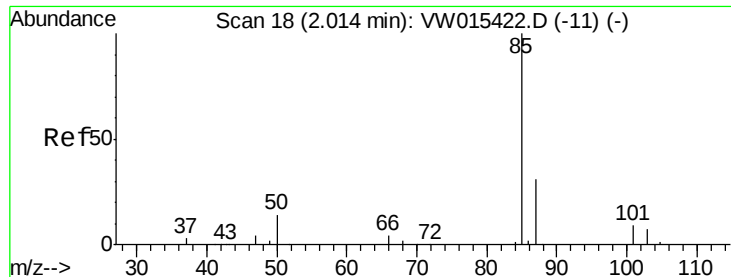
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.201 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015426.D

Acq: 08 May 2020 15:27

Instrument :

MSVOA_W

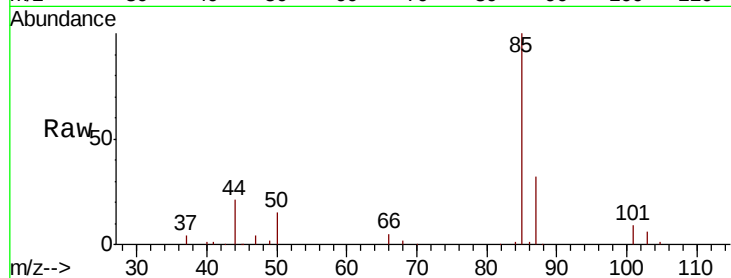
ClientSampleId :

Tot Ion: 85 Resp: 61458

Ion Ratio Lower Upper

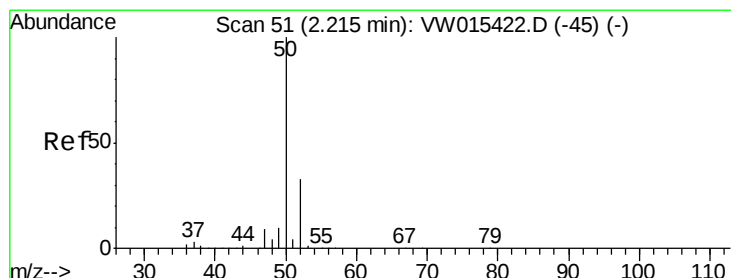
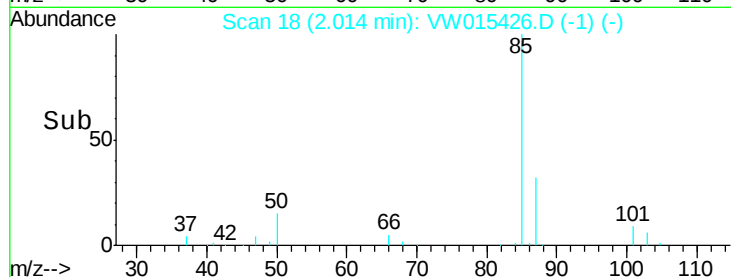
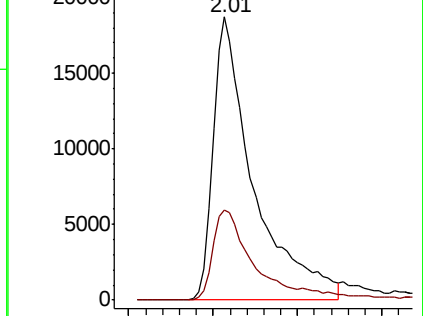
85 100

87 30.0 21.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 20.912 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015426.D

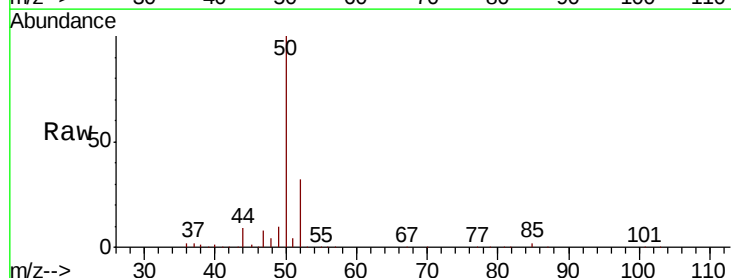
Acq: 08 May 2020 15:27

Tgt Ion: 50 Resp: 68079

Ion Ratio Lower Upper

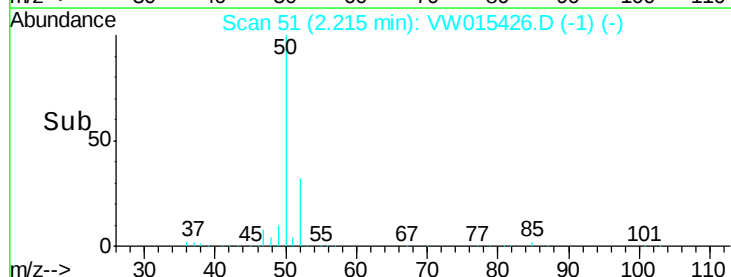
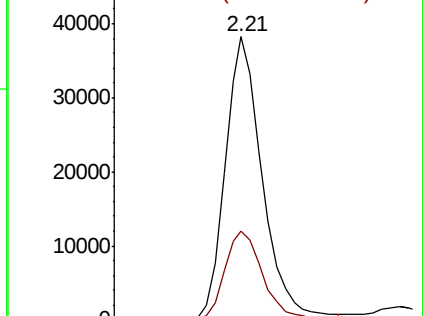
50 100

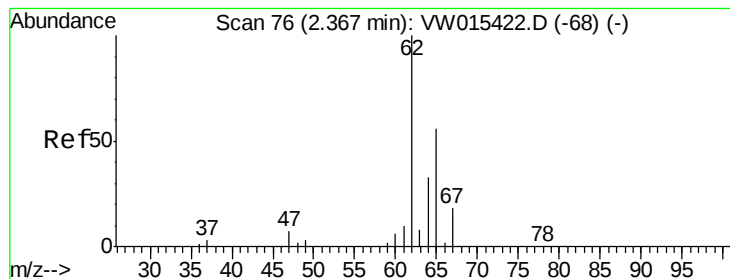
52 31.6 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 22.598 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015426.D

Acq: 08 May 2020 15:27

Instrument :

MSVOA_W

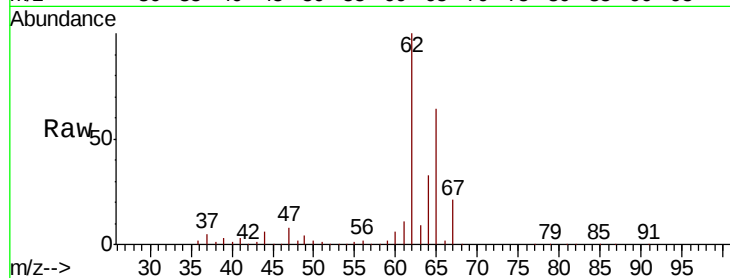
ClientSampled :

Tot Ion: 62 Resp: 114306

Ion Ratio Lower Upper

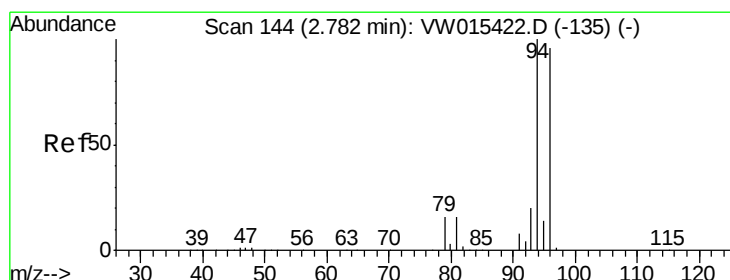
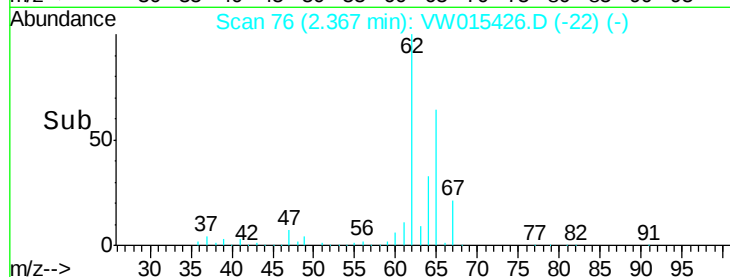
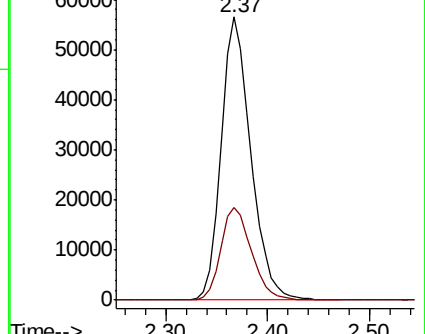
62 100

64 32.9 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 22.511 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015426.D

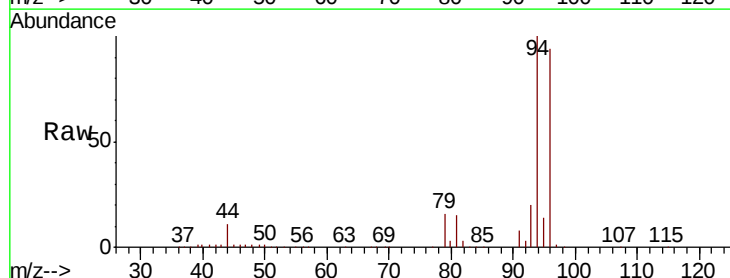
Acq: 08 May 2020 15:27

Tgt Ion: 94 Resp: 78339

Ion Ratio Lower Upper

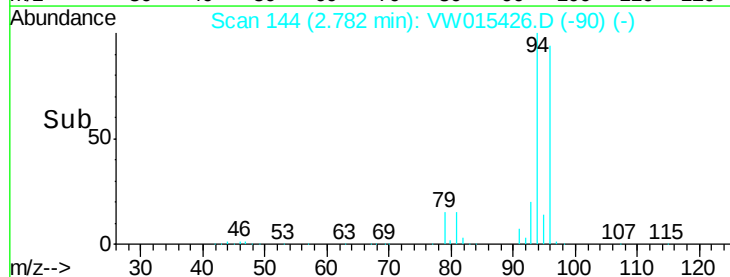
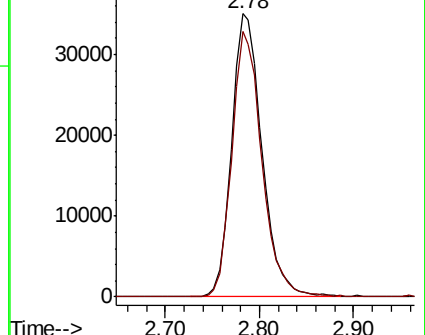
94 100

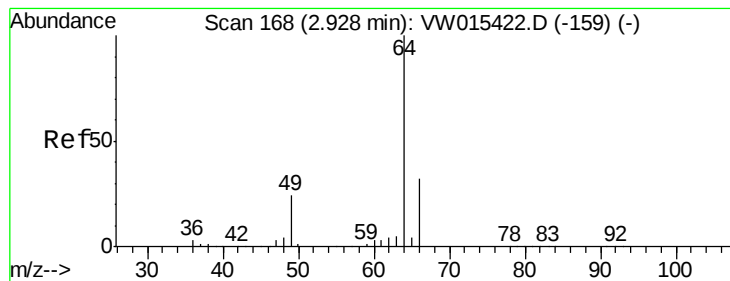
96 92.9 9.3 177.7



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 22.930 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015426.D

Acq: 08 May 2020 15:27

Instrument :

MSVOA_W

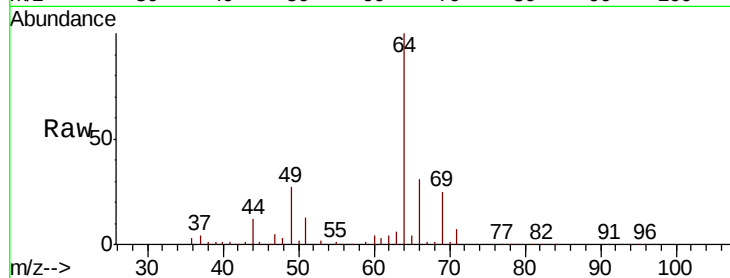
ClientSampled :

Tot Ion: 64 Resp: 77525

Ion Ratio Lower Upper

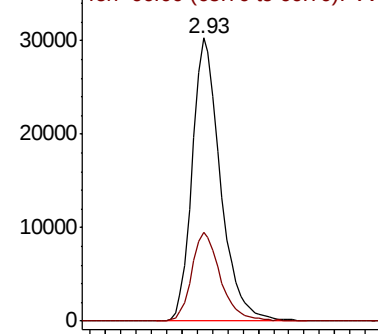
64 100

66 31.4 22.3 41.3

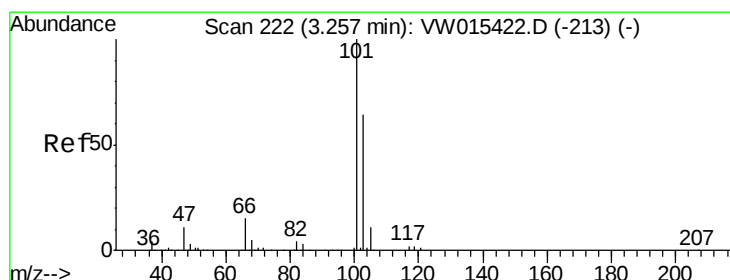
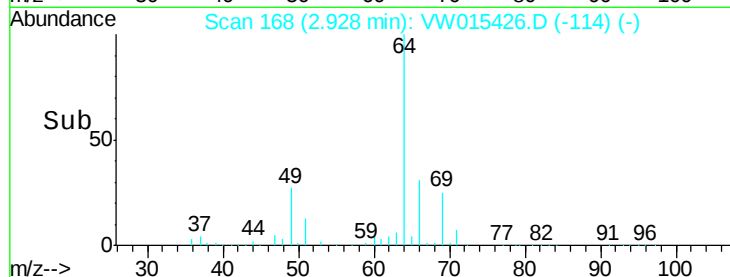


Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



Time-->



#9

Trichlorofluoromethane

Concen: 21.565 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW015426.D

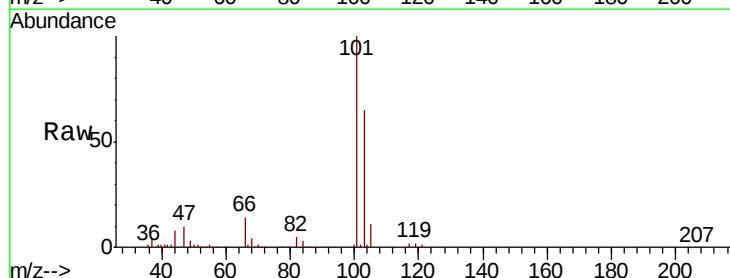
Acq: 08 May 2020 15:27

Tgt Ion: 101 Resp: 79522

Ion Ratio Lower Upper

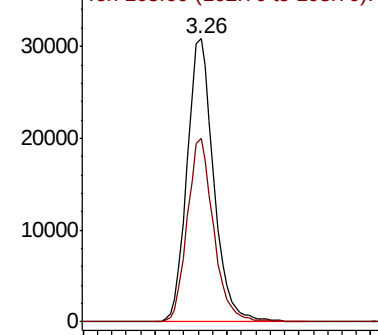
101 100

103 63.8 45.5 84.5

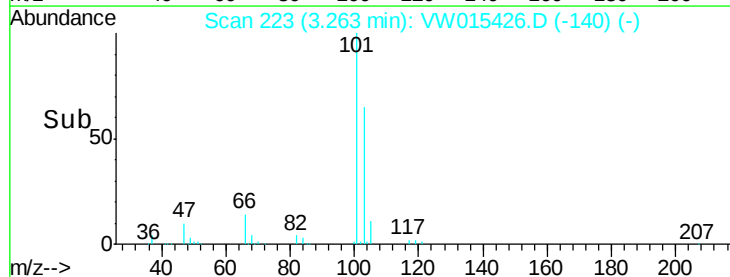


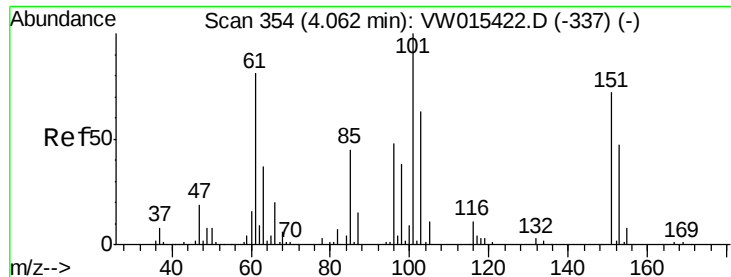
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



Time-->





#11

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

Concen: 23.795 ug/L

RT: 4.07 min Scan# 355

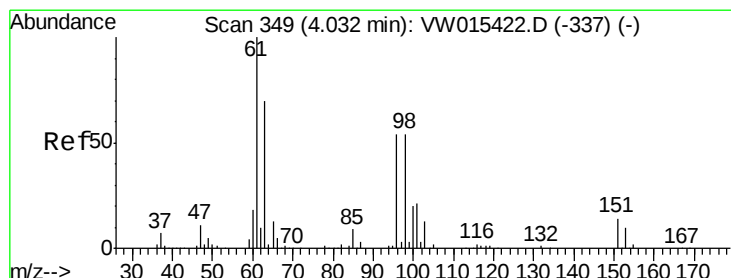
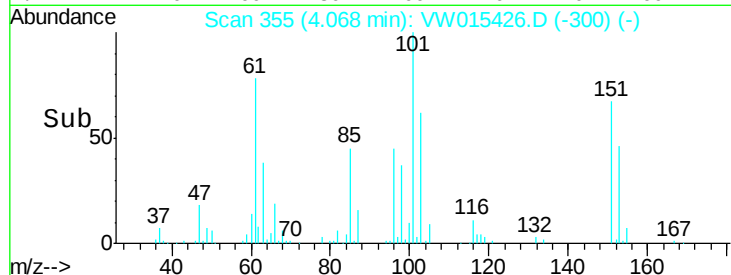
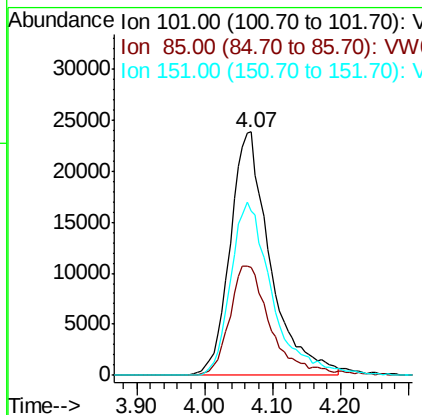
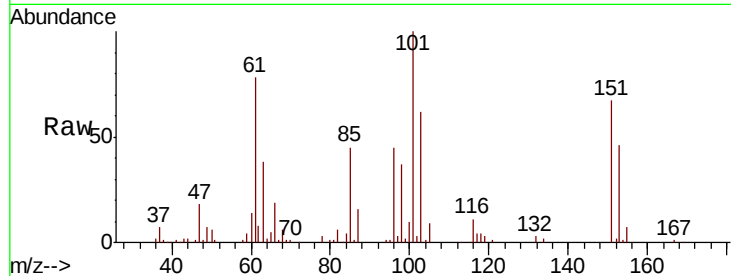
Delta R.T. 0.01 min

Lab File: VW015426.D

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MSVOA_W
ClientSampled :

Tot Ion:	101	Resp:	97764
Ion	Ratio	Lower	Upper
101	100		
85	43.9	36.0	54.0
151	73.7	57.1	85.7



#12

1,1-Dichloroethene

Concen: 22.925 ug/L

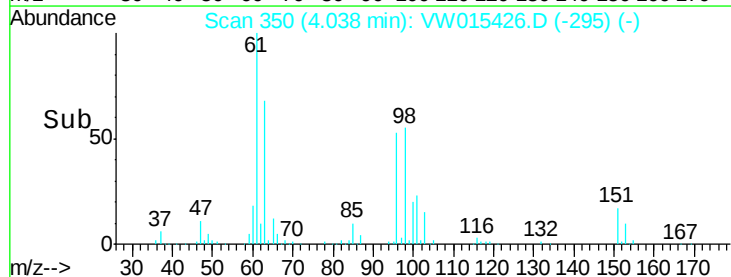
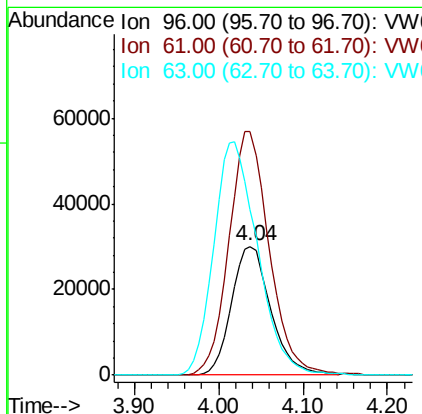
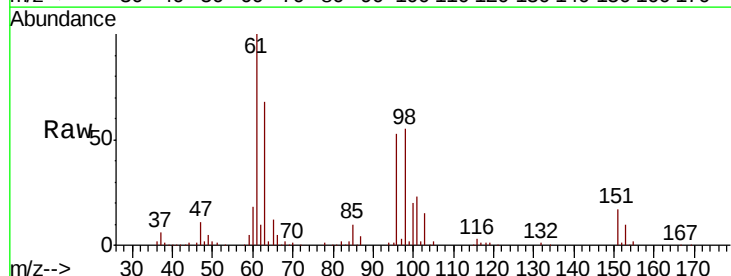
RT: 4.04 min Scan# 350

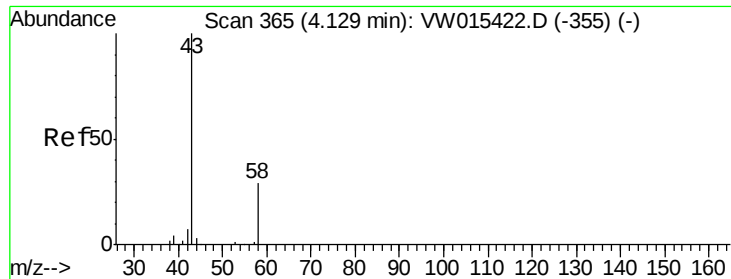
Delta R.T. 0.01 min

Lab File: VW015426.D

Acq: 08 May 2020 15:27

Tgt Ion:	96	Resp:	95326
Ion	Ratio	Lower	Upper
96	100		
61	188.9	135.9	252.5
63	128.7	104.4	194.0





#13

Acetone

Concen: 53.745 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015426.D

Acq: 08 May 2020 15:27

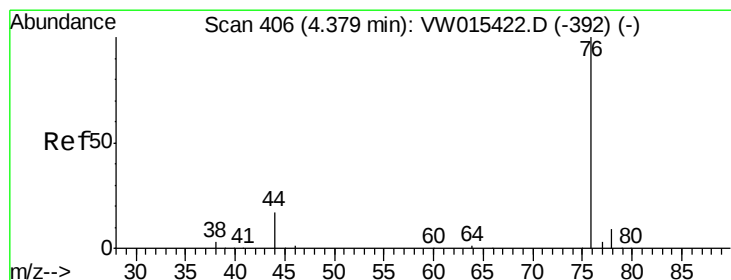
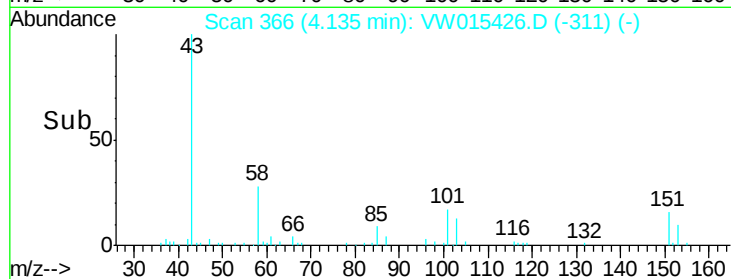
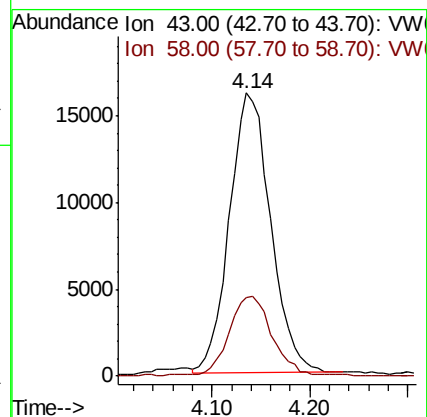
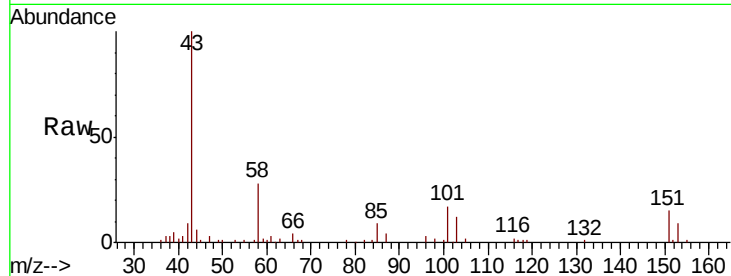
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 47150

Ion Ratio Lower Upper

43 100

58 29.7 0.0 57.0



#14

Carbon disulfide

Concen: 21.908 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015426.D

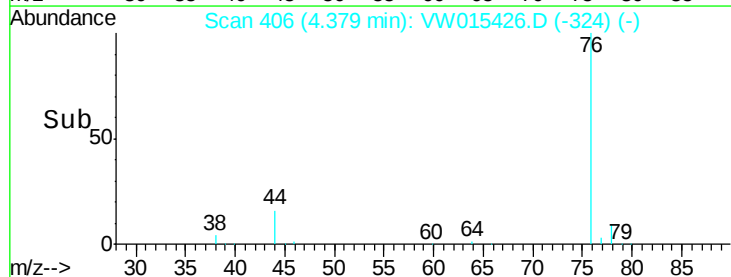
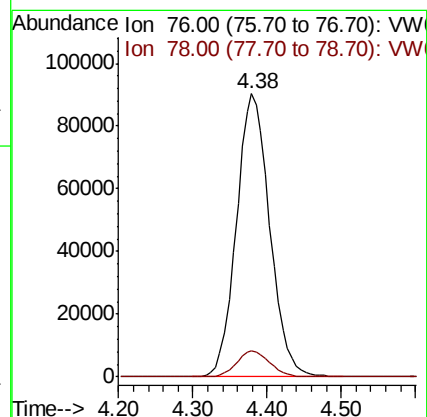
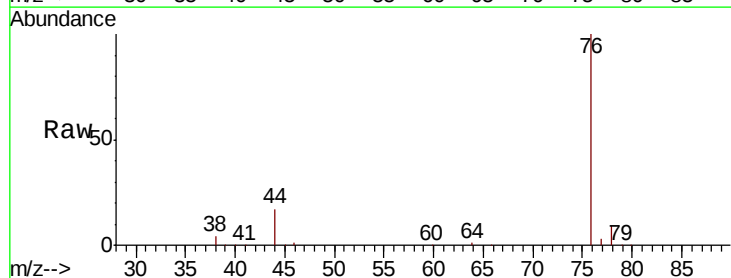
Acq: 08 May 2020 15:27

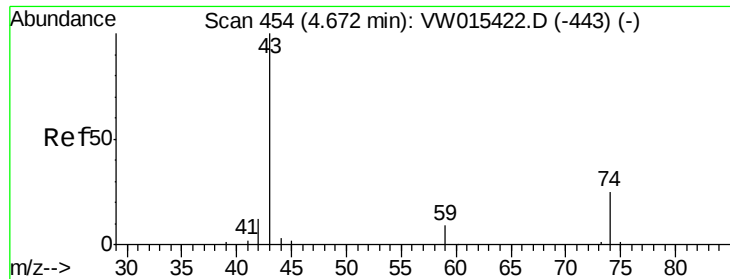
Tgt Ion: 76 Resp: 282963

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4

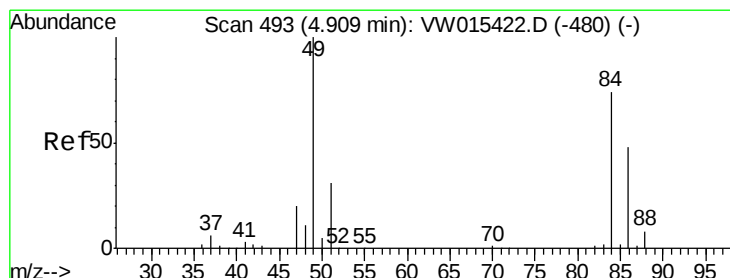
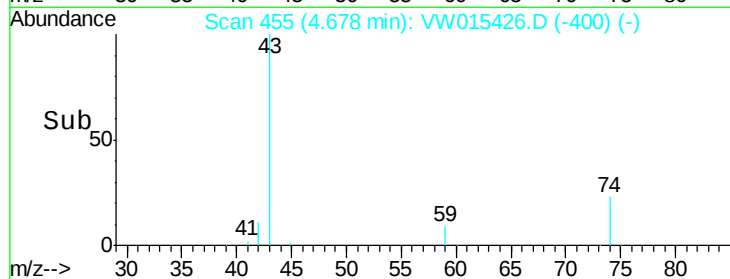
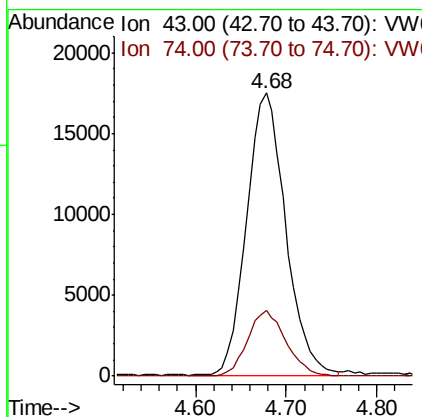
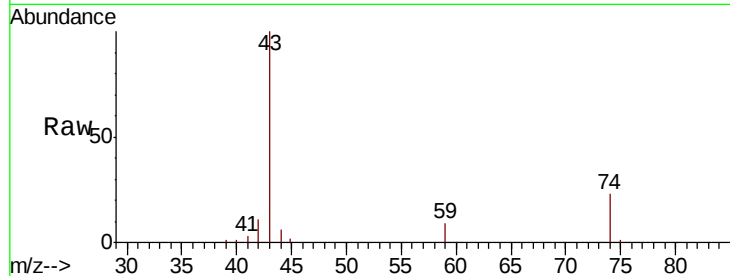




#15
Methvl Acetate
Concen: 27.074 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW015426.D
Acq: 08 May 2020 15:27

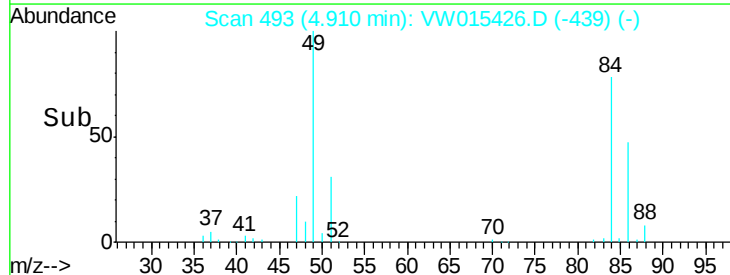
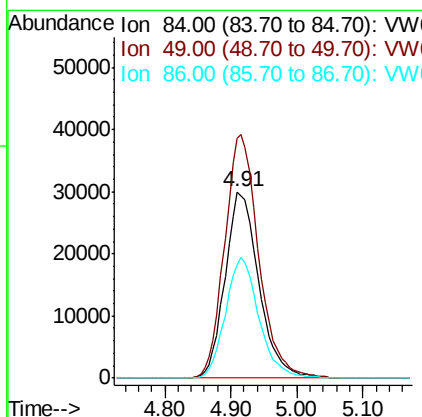
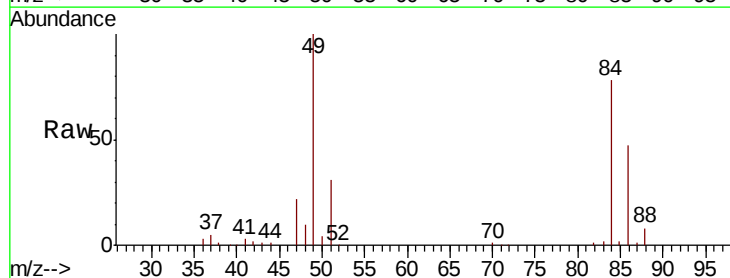
Instrument :
MSVOA_W
ClientSampleId :

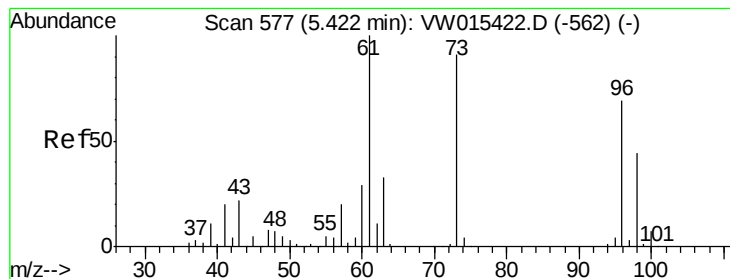
Tot Ion: 43 Resp: 51950
Ion Ratio Lower Upper
43 100
74 22.8 17.8 26.6



#16
Methylene chloride
Concen: 21.385 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW015426.D
Acq: 08 May 2020 15:27

Tgt Ion: 84 Resp: 106178
Ion Ratio Lower Upper
84 100
49 128.7 91.6 170.2
86 60.4 44.0 81.8



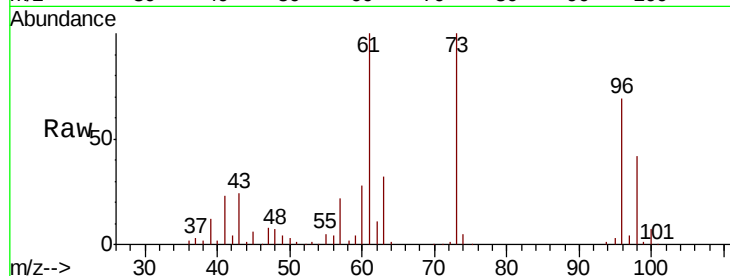


#17

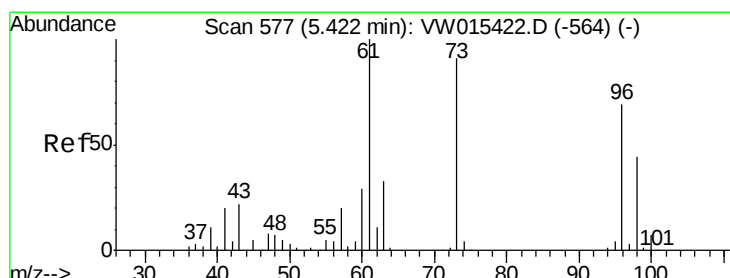
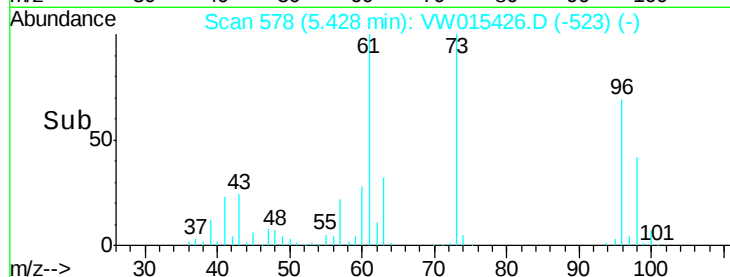
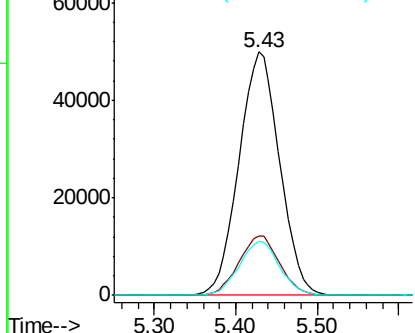
Methvl tert-butvl Ether
 Concen: 25.603 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW015426.D
 Acq: 08 May 2020 15:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 73 Resp: 173082
 Ion Ratio Lower Upper
 73 100
 43 24.4 19.3 28.9
 57 22.0 18.1 27.1



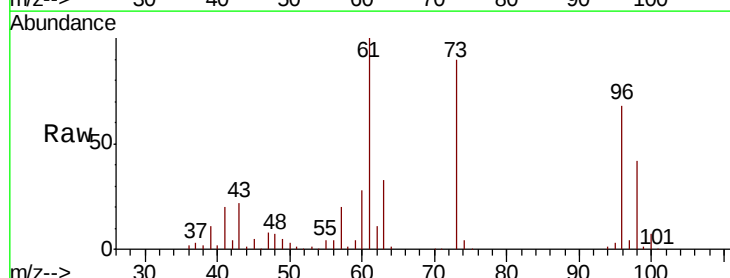
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



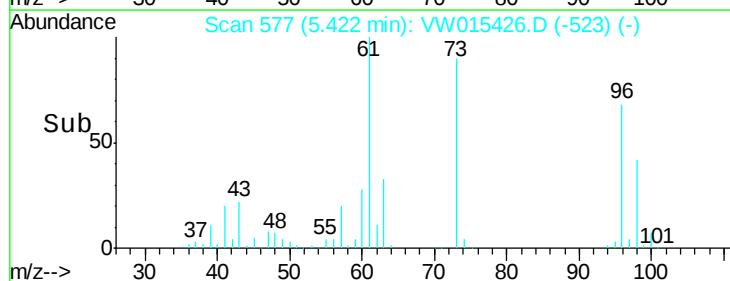
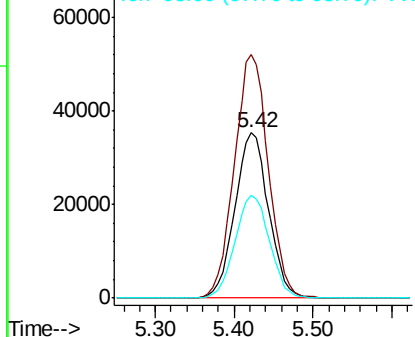
#18

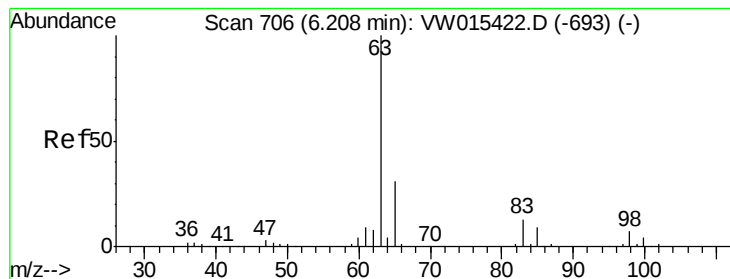
trans-1,2-Dichloroethene
 Concen: 23.337 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW015426.D
 Acq: 08 May 2020 15:27

Tgt Ion: 96 Resp: 104576
 Ion Ratio Lower Upper
 96 100
 61 147.1 101.1 187.7
 98 62.5 42.4 78.8



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





#19

1,1-Dichloroethane

Concen: 23.397 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW015426.D

Acq: 08 May 2020 15:27

Instrument :

MSVOA_W

ClientSampleId :

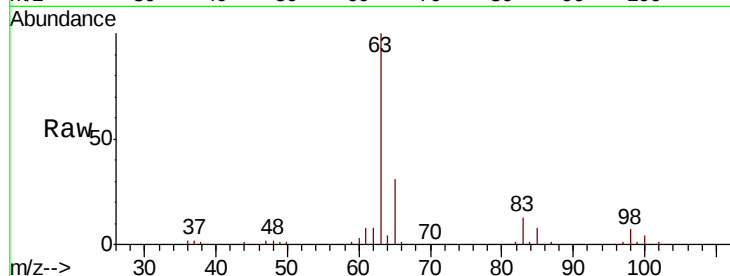
Tot Ion: 63 Resp: 197465

Ion Ratio Lower Upper

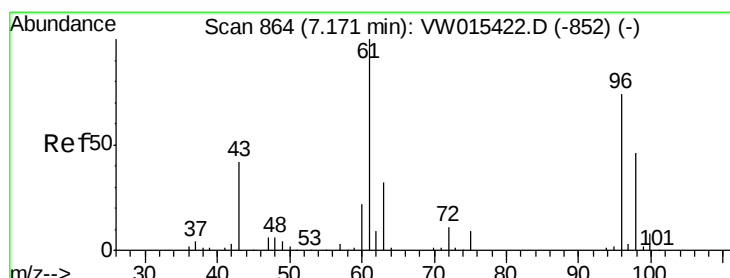
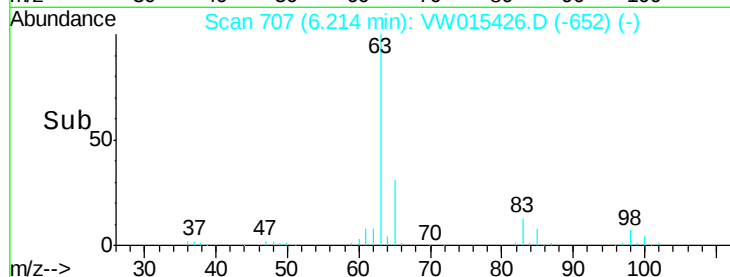
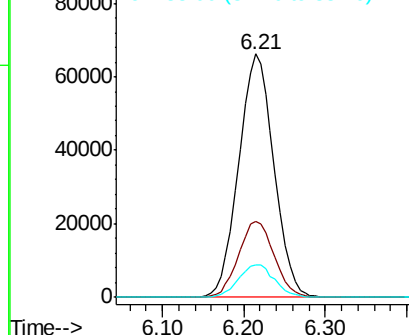
63 100

65 31.4 22.6 42.0

83 13.4 9.1 16.9



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



#21

2-Butanone

Concen: 54.061 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015426.D

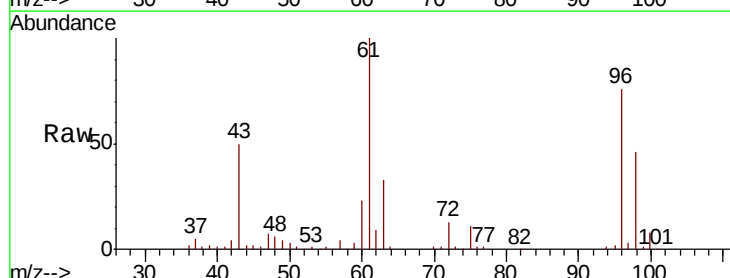
Acq: 08 May 2020 15:27

Tgt Ion: 43 Resp: 71305

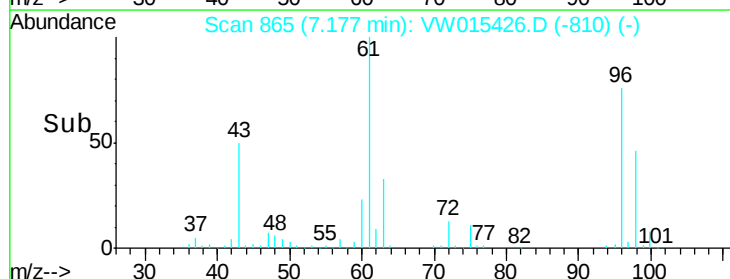
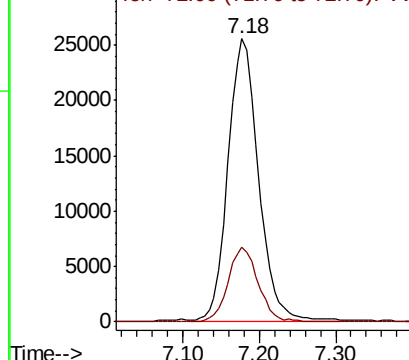
Ion Ratio Lower Upper

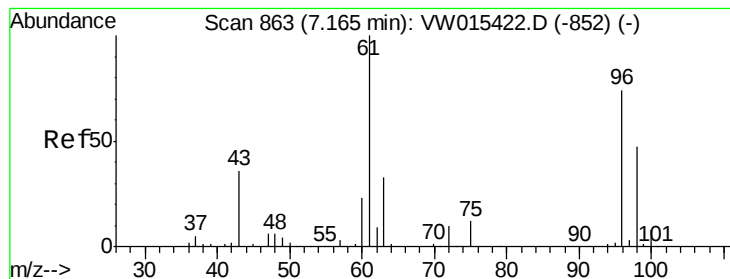
43 100

72 25.7 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



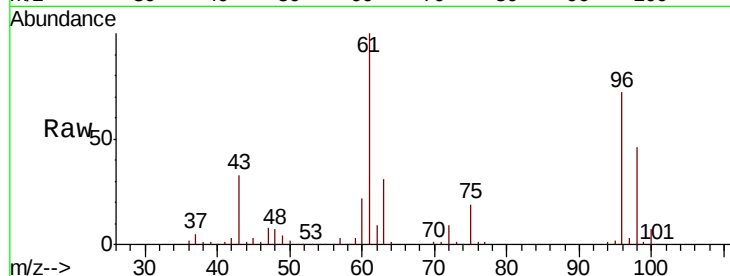


#22

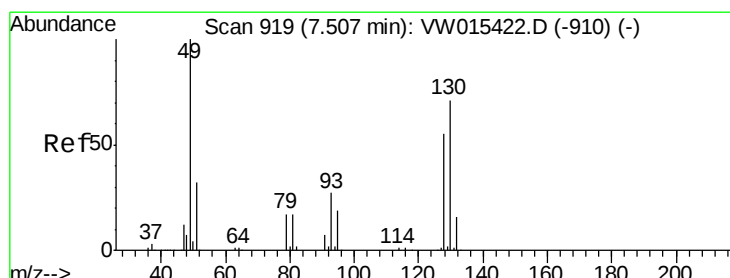
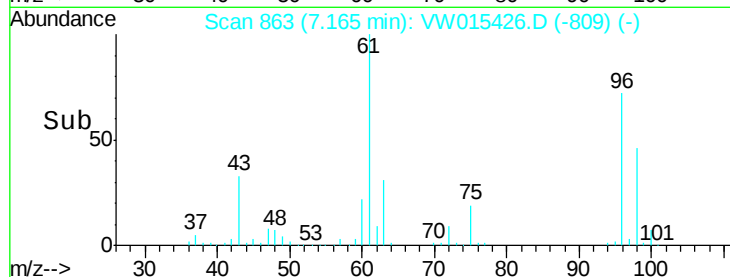
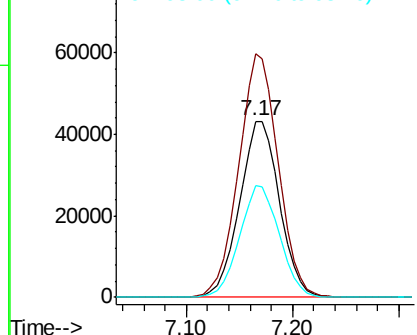
cis-1,2-Dichloroethene
Concen: 23.520 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW015426.D
Acq: 08 May 2020 15:27

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 113590
Ion Ratio Lower Upper
96 100
61 138.3 95.8 178.0
98 63.2 45.9 85.3



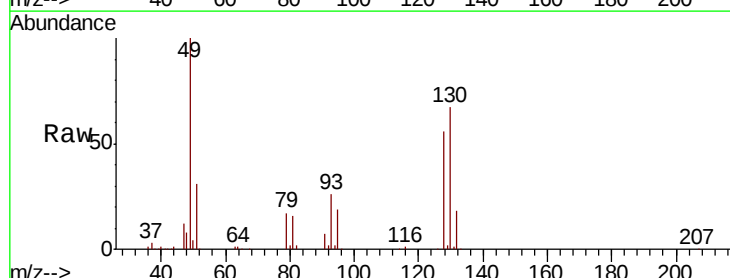
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



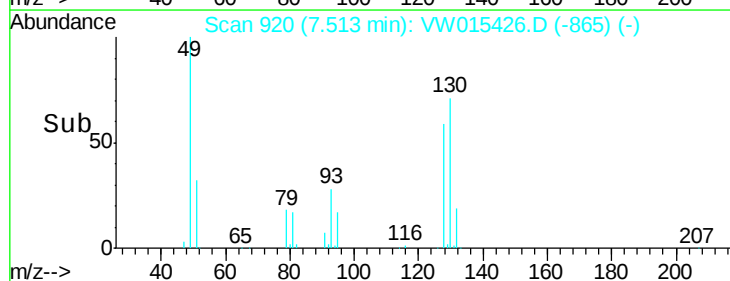
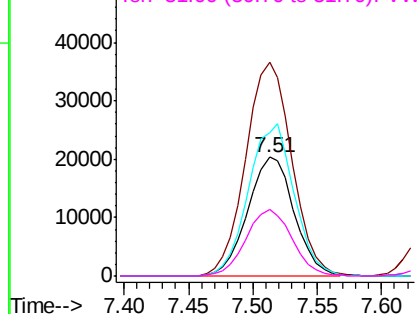
#23

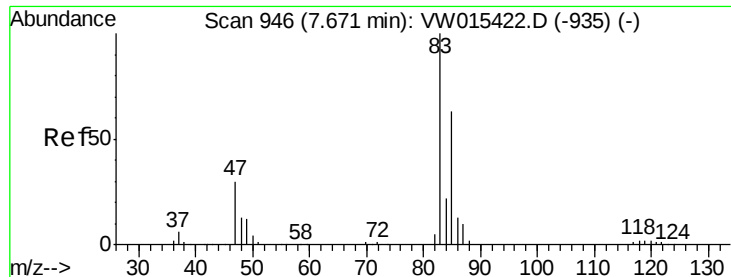
Bromochloromethane
Concen: 25.123 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW015426.D
Acq: 08 May 2020 15:27

Tgt Ion: 128 Resp: 50571
Ion Ratio Lower Upper
128 100
49 179.5 120.2 223.2
130 120.2 86.5 160.7
51 56.2 44.1 66.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

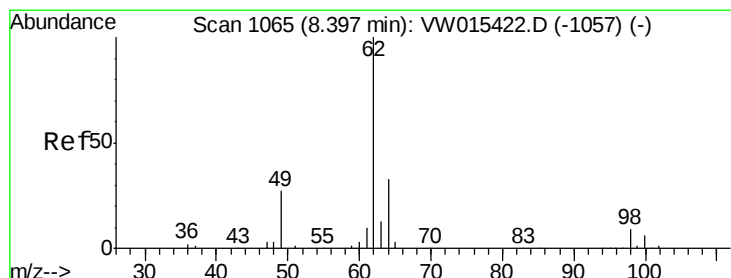
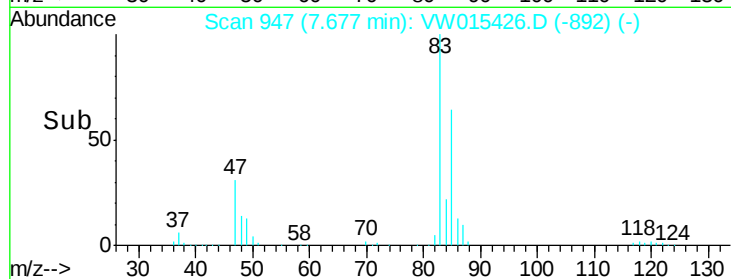
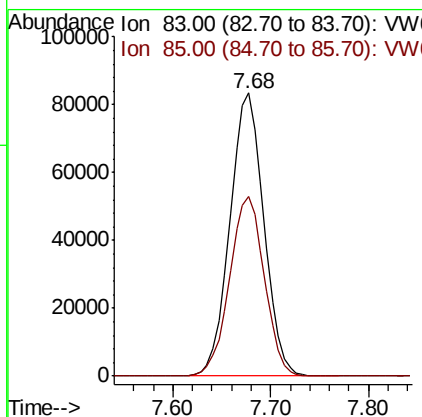
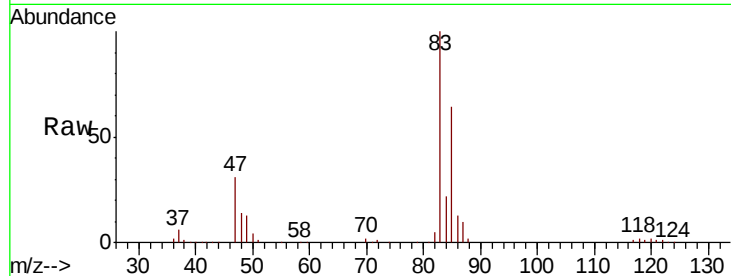




#25
Chloroform
Concen: 24.011 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW015426.D
Acq: 08 May 2020 15:27

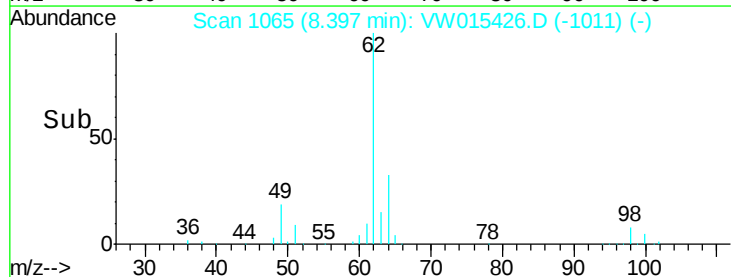
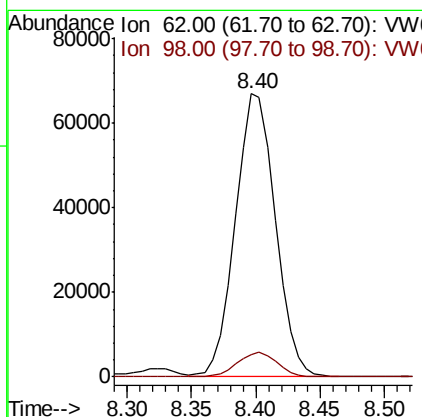
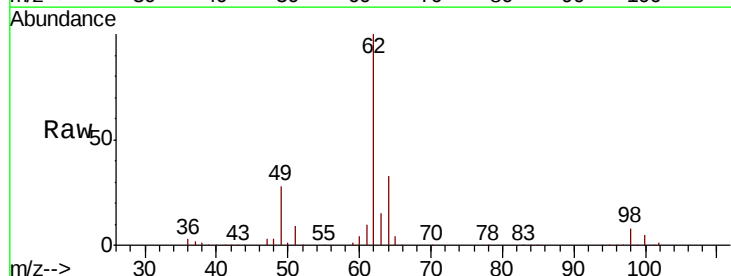
Instrument :
MSVOA_W
ClientSampleId :

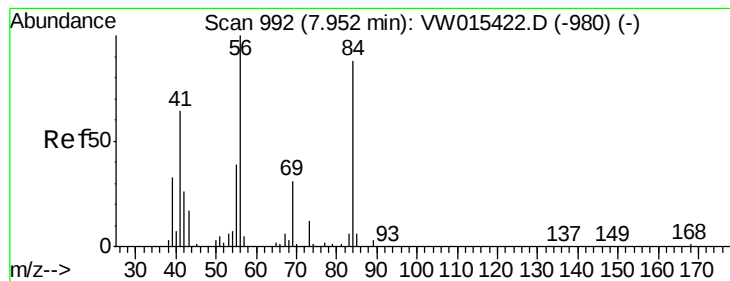
Tot Ion: 83 Resp: 200348
Ion Ratio Lower Upper
83 100
85 65.3 45.6 84.8



#27
1,2-Dichloroethane
Concen: 25.314 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015426.D
Acq: 08 May 2020 15:27

Tgt Ion: 62 Resp: 143721
Ion Ratio Lower Upper
62 100
98 7.9 6.8 10.2





#30

Cvclohexane

Concen: 23.024 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015426.D

Acq: 08 May 2020 15:27

Instrument :

MSVOA_W

ClientSampleId :

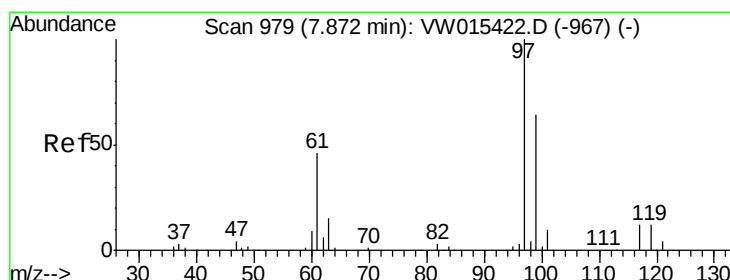
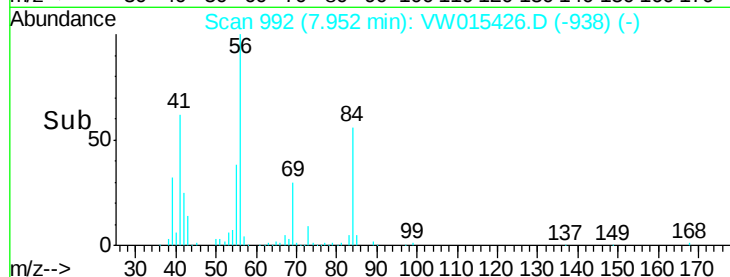
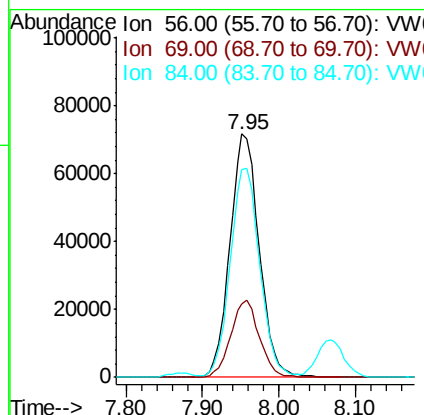
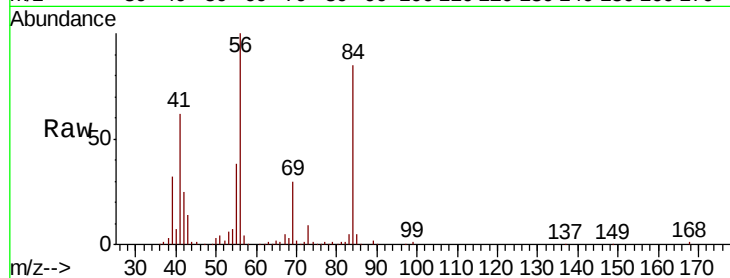
Tot Ion: 56 Resp: 189755

Ion Ratio Lower Upper

56 100

69 30.9 24.5 36.7

84 86.9 69.2 103.8



#31

1,1,1-Trichloroethane

Concen: 23.985 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015426.D

Acq: 08 May 2020 15:27

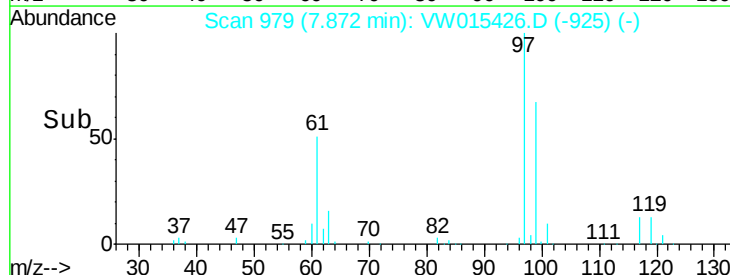
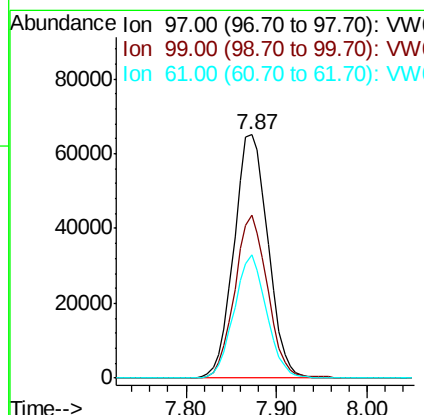
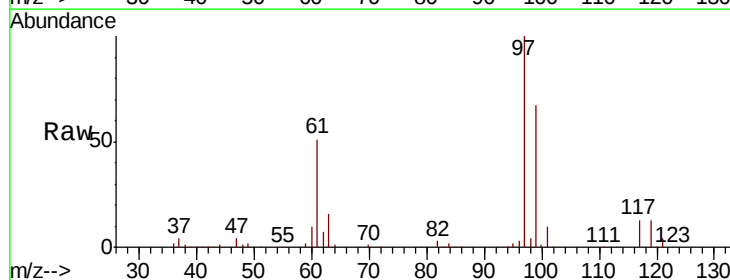
Tgt Ion: 97 Resp: 169596

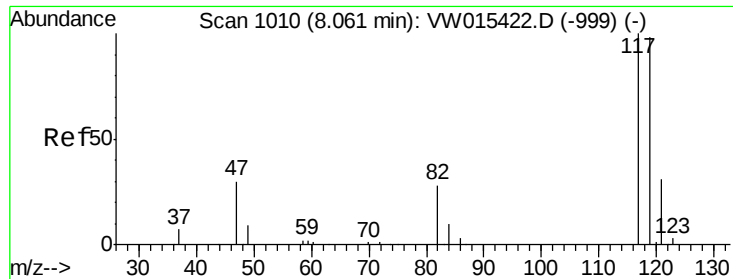
Ion Ratio Lower Upper

97 100

99 64.8 51.0 76.4

61 48.3 38.6 57.8





#32

Carbon tetrachloride

Concen: 24.195 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW015426.D

Acq: 08 May 2020 15:27

Instrument :

MSVOA_W

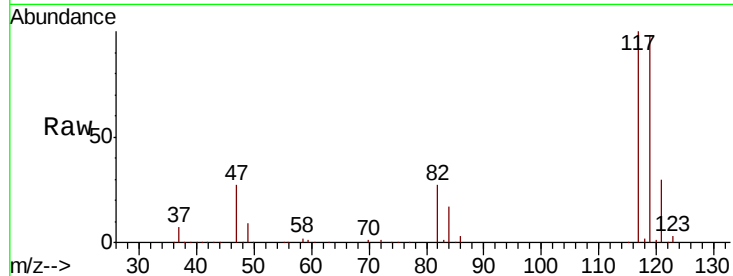
ClientSampleId :

Tot Ion:117 Resp: 155692

Ion Ratio Lower Upper

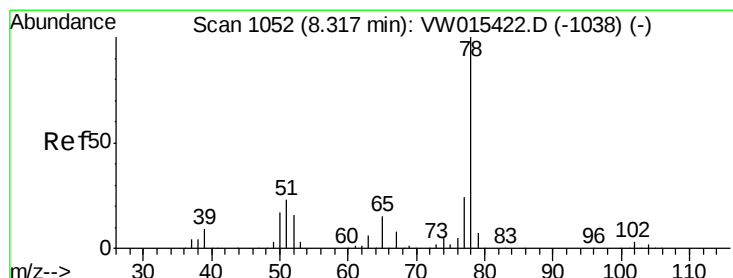
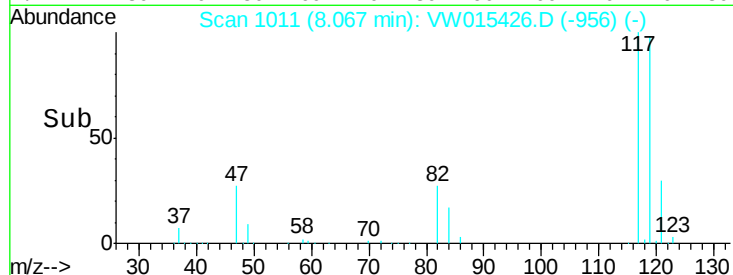
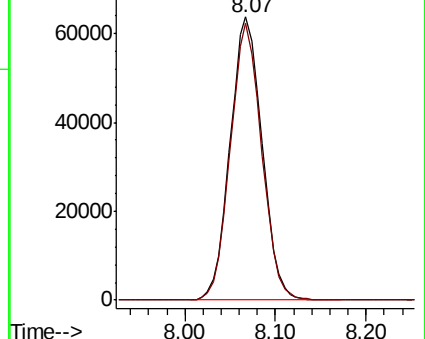
117 100

119 95.9 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.885 ug/L

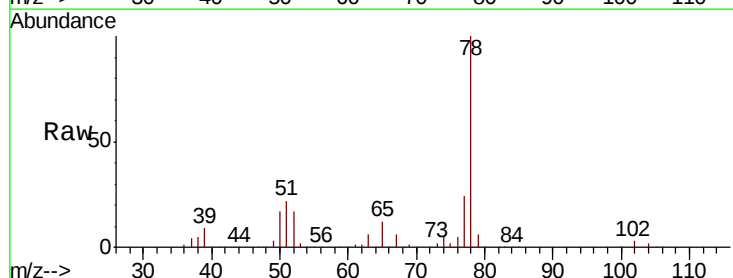
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

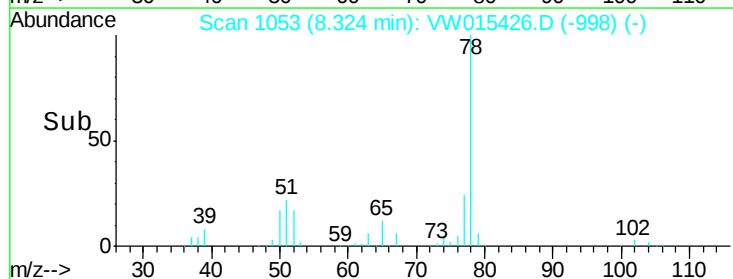
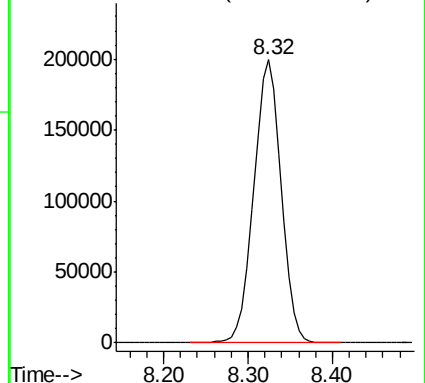
Lab File: VW015426.D

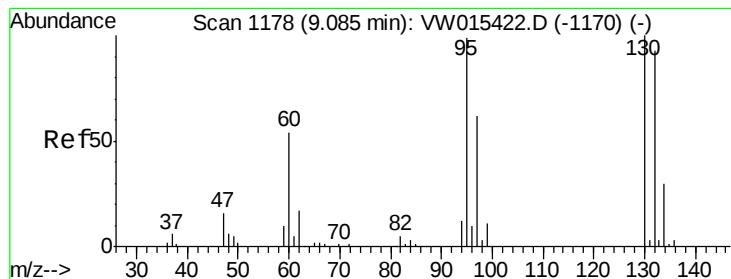
Acq: 08 May 2020 15:27

Tgt Ion: 78 Resp: 440282



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.521 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW015426.D

Acq: 08 May 2020 15:27

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 116186

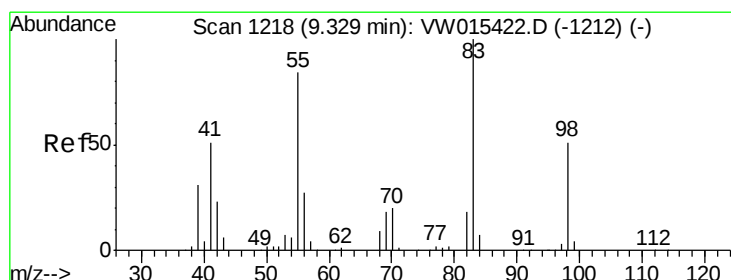
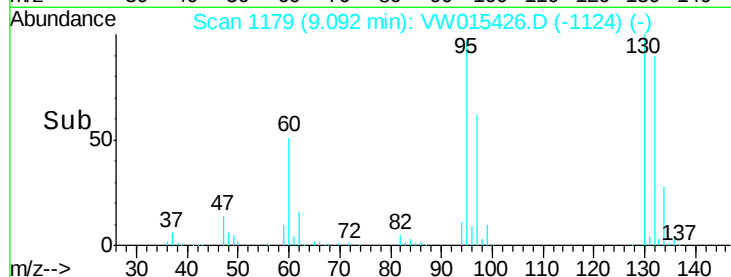
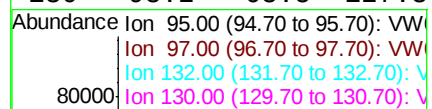
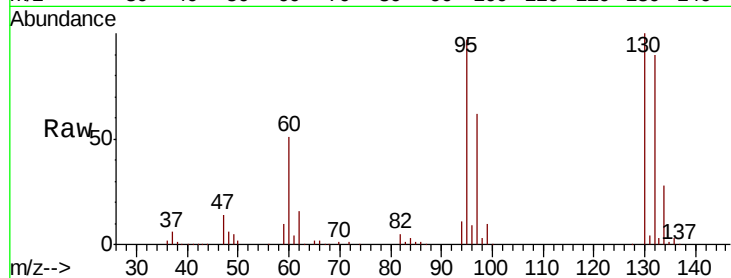
Ion Ratio Lower Upper

95 100

97 64.5 44.9 83.5

132 92.6 64.5 119.7

130 98.2 68.5 127.3



#36

Methylcyclohexane

Concen: 23.496 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VW015426.D

Acq: 08 May 2020 15:27

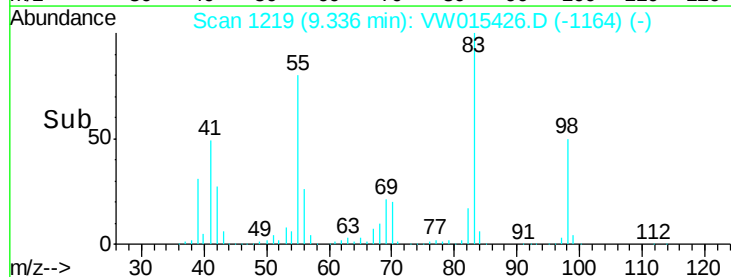
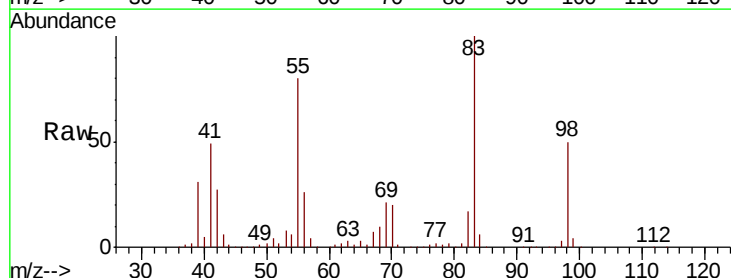
Tgt Ion: 83 Resp: 206078

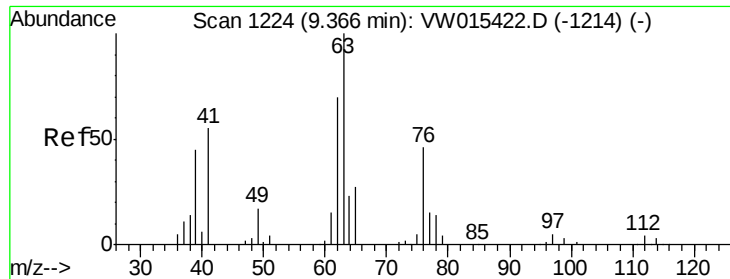
Ion Ratio Lower Upper

83 100

55 80.3 64.5 96.7

98 48.8 39.8 59.6

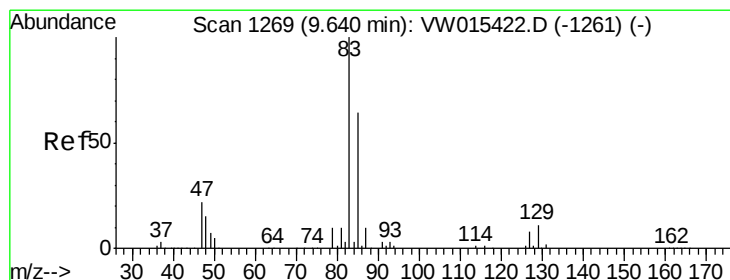
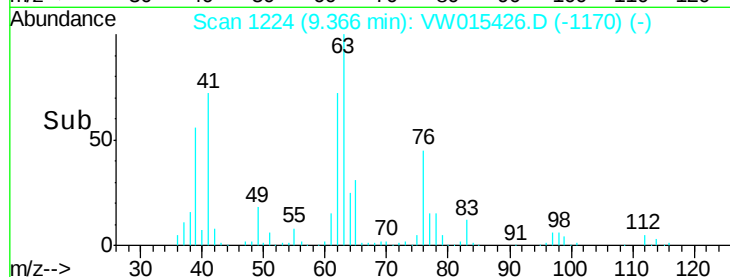
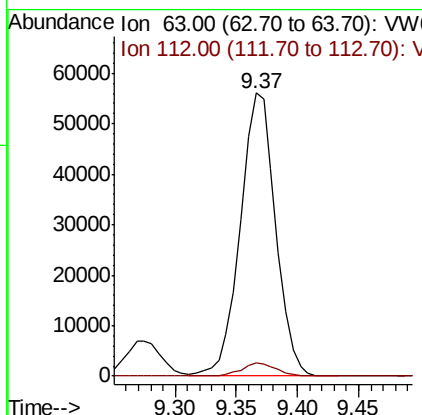
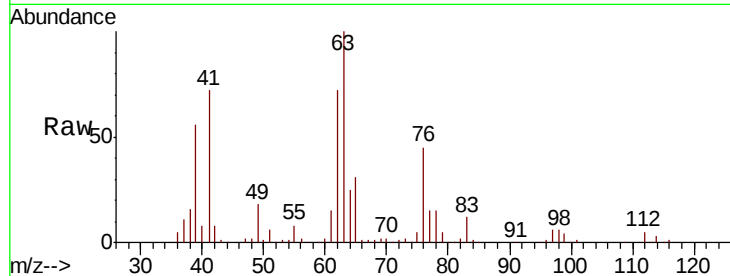




#40
 1,2-Dichloropropane
 Concen: 24.379 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015426.D
 Acq: 08 May 2020 15:27

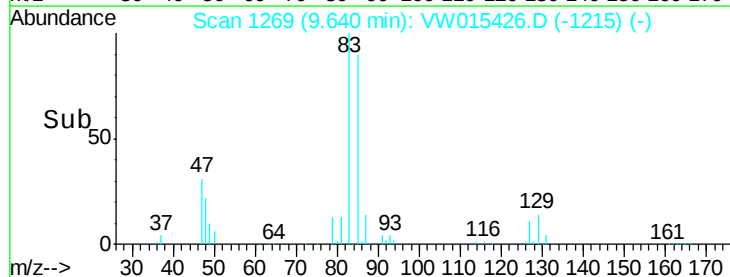
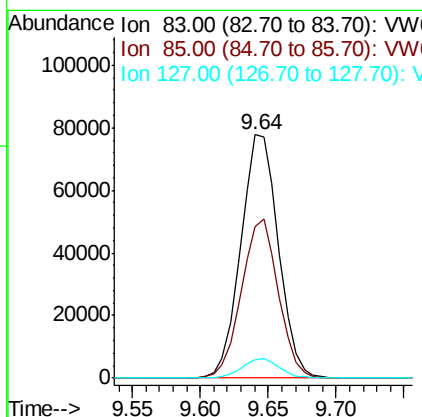
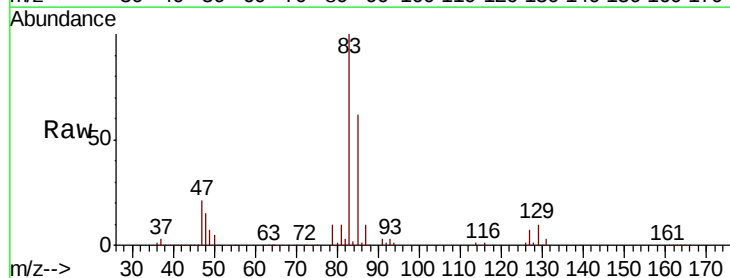
Instrument :
 MSVOA_W
 ClientSampleId :

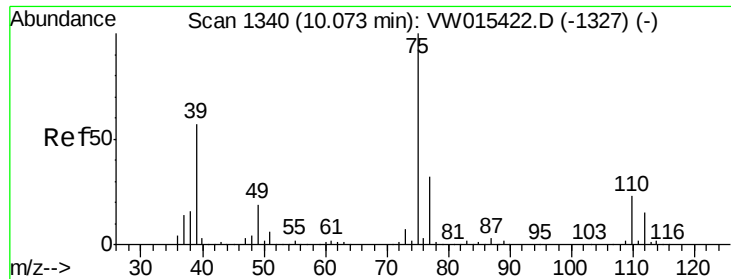
Tot Ion: 63 Resp: 112305
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#41
 Bromodichloromethane
 Concen: 24.736 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW015426.D
 Acq: 08 May 2020 15:27

Tgt Ion: 83 Resp: 150417
 Ion Ratio Lower Upper
 83 100
 85 62.4 44.2 82.0
 127 7.4 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 24.551 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015426.D

Acq: 08 May 2020 15:27

Instrument :

MSVOA_W

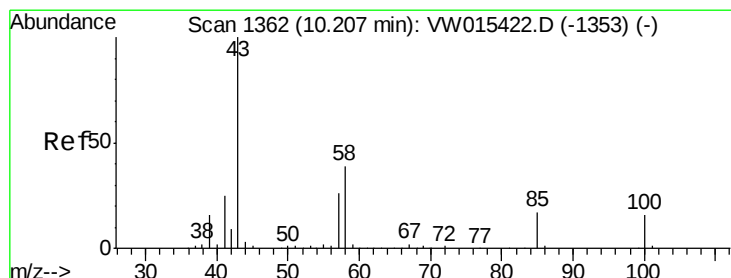
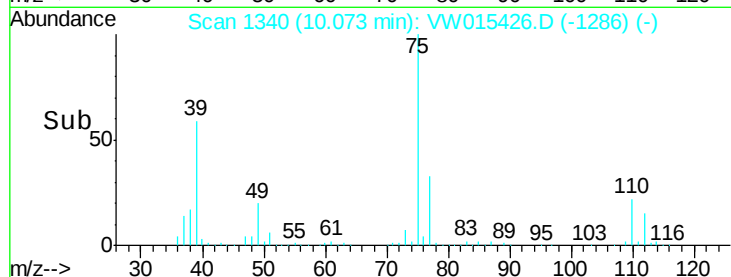
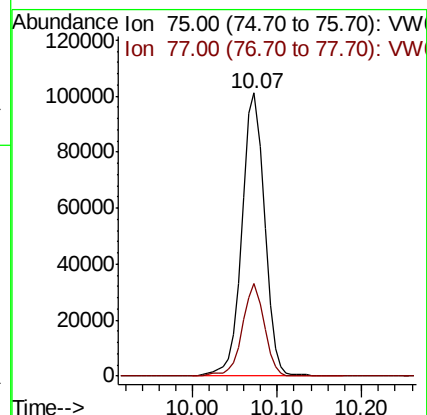
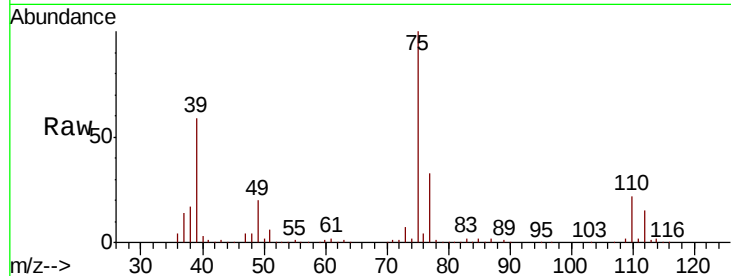
ClientSampleId :

Tot Ion: 75 Resp: 182631

Ion Ratio Lower Upper

75 100

77 32.8 22.4 41.6



#43

4-Methyl-2-pentanone

Concen: 51.179 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015426.D

Acq: 08 May 2020 15:27

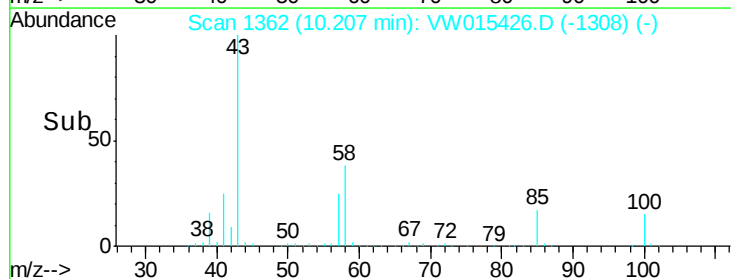
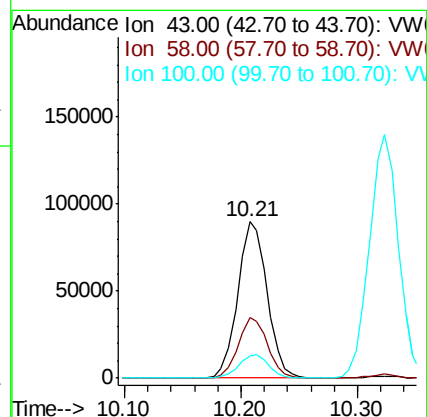
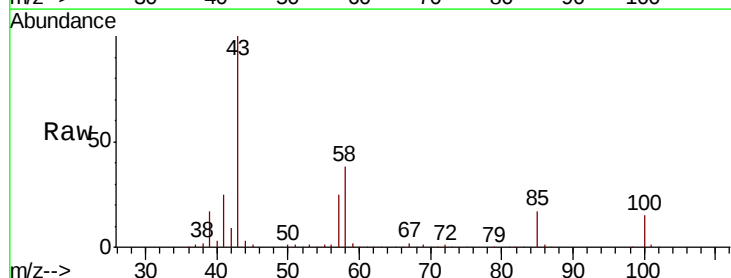
Tgt Ion: 43 Resp: 157962

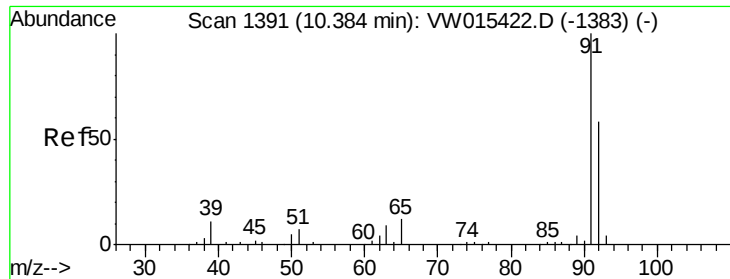
Ion Ratio Lower Upper

43 100

58 38.5 30.5 45.7

100 15.2 12.1 18.1





#44

Toluene

Concen: 23.875 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW015426.D

Acq: 08 May 2020 15:27

Instrument :

MSVOA_W

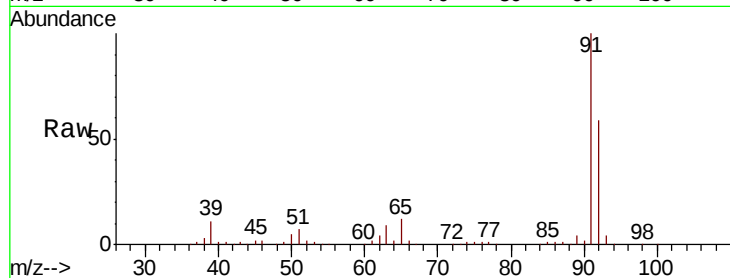
ClientSampleId :

Tot Ion: 91 Resp: 480980

Ion Ratio Lower Upper

91 100

92 59.4 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

250000

200000

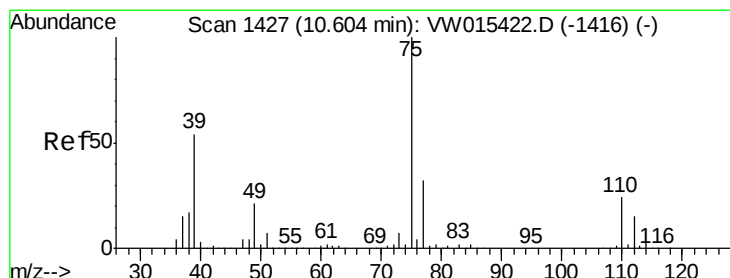
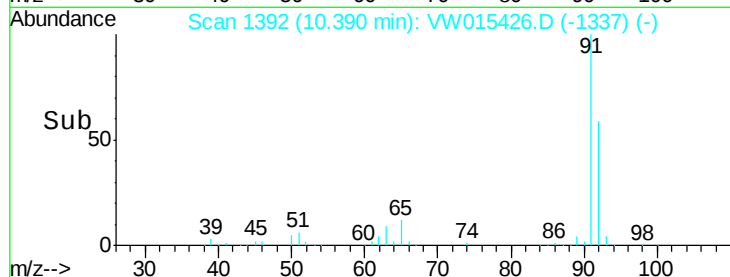
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.169 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015426.D

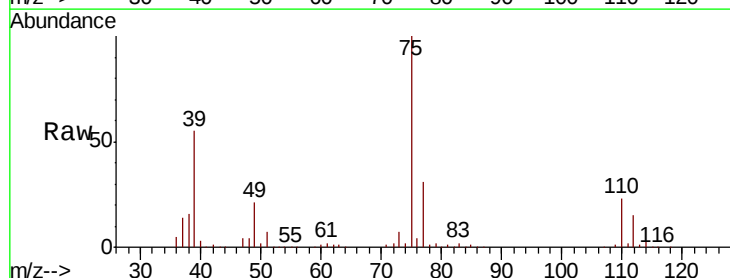
Acq: 08 May 2020 15:27

Tgt Ion: 75 Resp: 163172

Ion Ratio Lower Upper

75 100

77 31.4 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

100000

80000

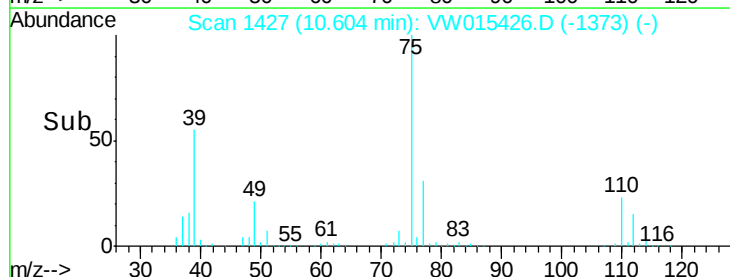
60000

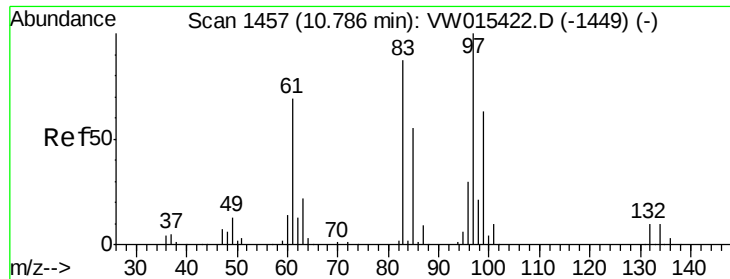
40000

20000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 26.088 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015426.D

Acq: 08 May 2020 15:27

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 84255

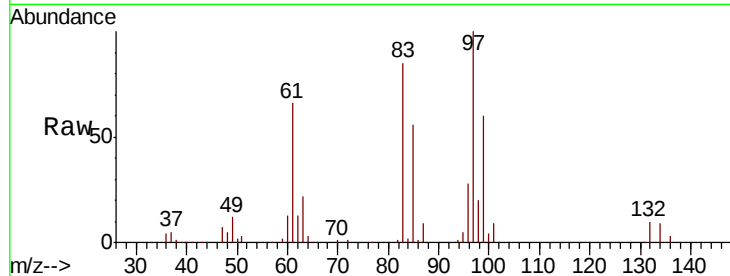
Ion Ratio Lower Upper

97 100

83 85.3 60.5 112.5

85 55.8 38.8 72.0

99 60.3 44.7 82.9

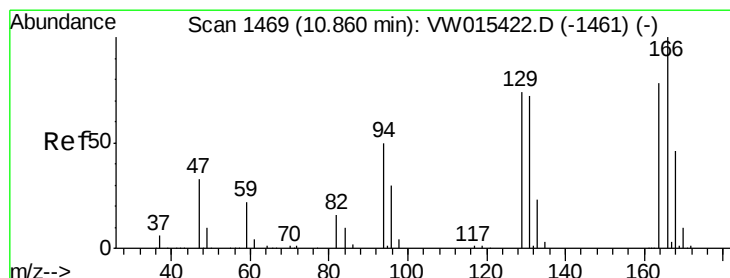
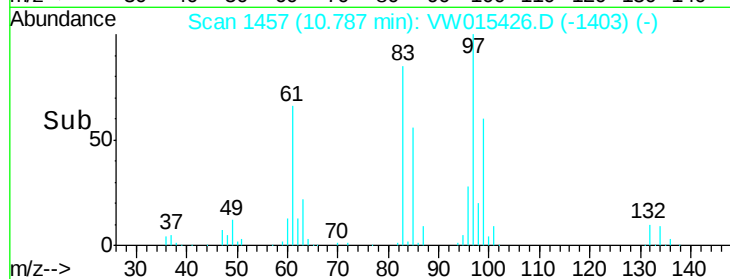
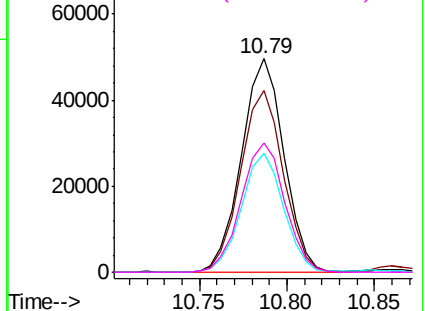


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 23.943 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW015426.D

Acq: 08 May 2020 15:27

Tgt Ion: 164 Resp: 88726

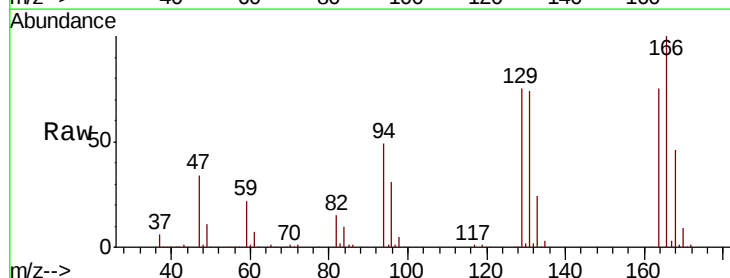
Ion Ratio Lower Upper

164 100

129 99.8 65.8 122.2

131 98.3 63.7 118.3

166 132.7 88.8 165.0

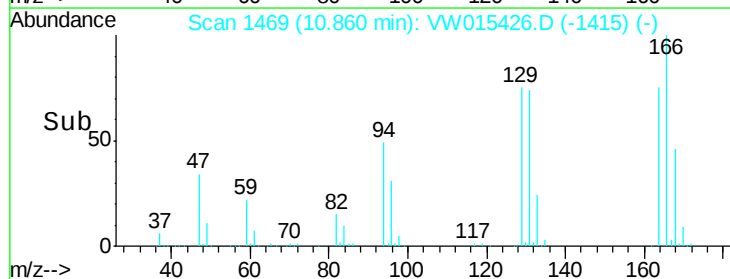
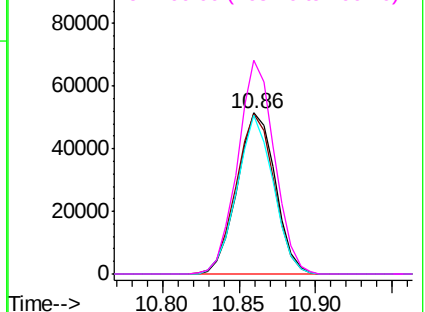


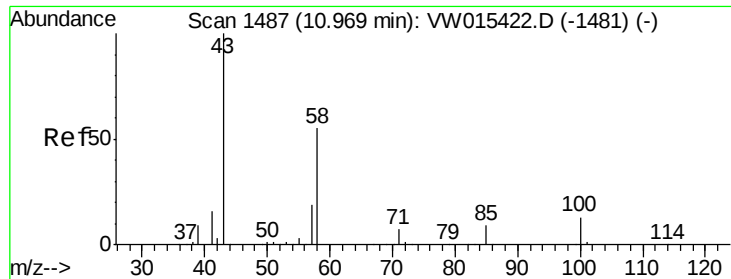
Abundance Ion 164.00 (163.70 to 164.70): V

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





#49

2-Hexanone

Concen: 56.700 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015426.D

Acq: 08 May 2020 15:27

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 110265

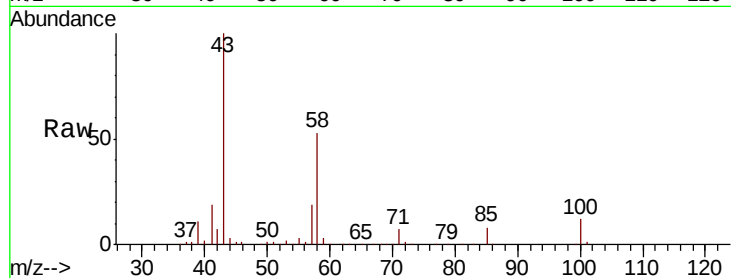
Ion Ratio Lower Upper

43 100

58 52.3 41.5 62.3

57 18.6 15.3 22.9

100 12.0 9.5 14.3

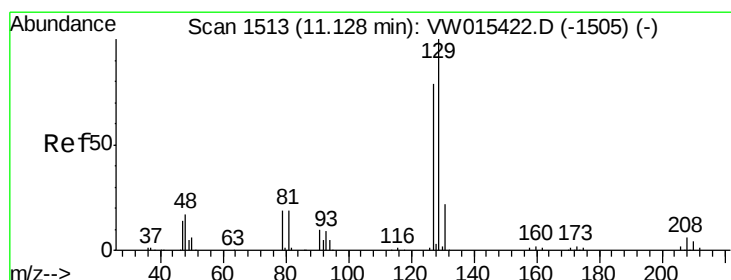
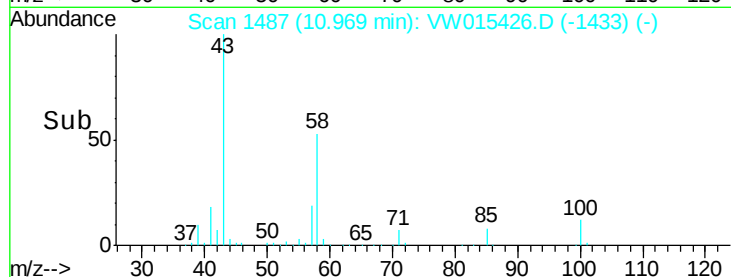
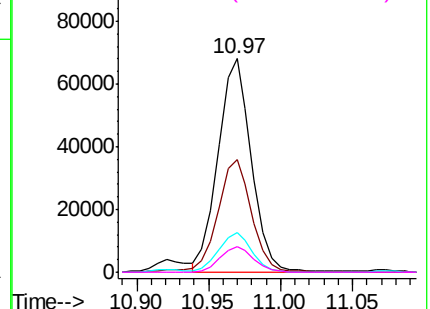


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.683 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015426.D

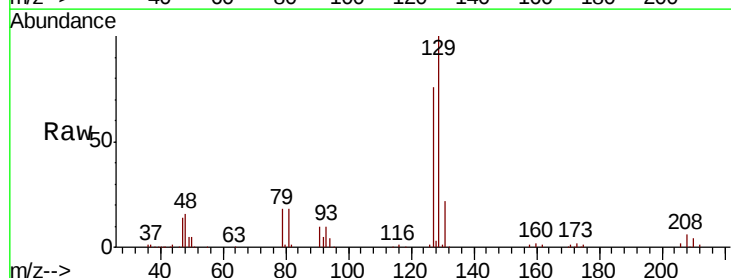
Acq: 08 May 2020 15:27

Tgt Ion: 129 Resp: 100345

Ion Ratio Lower Upper

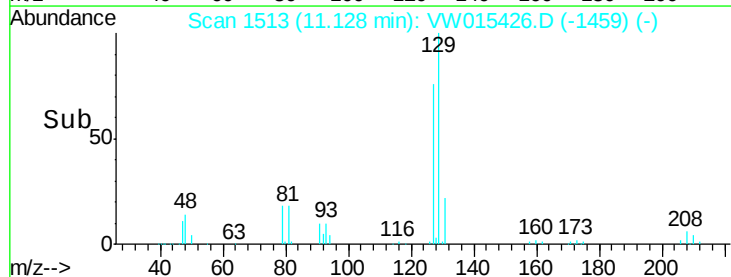
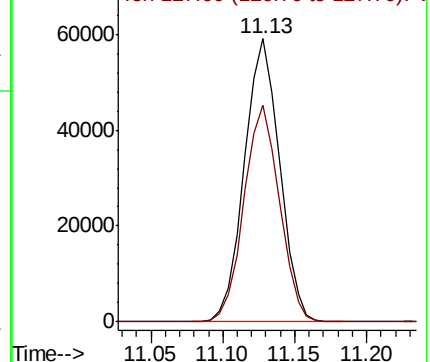
129 100

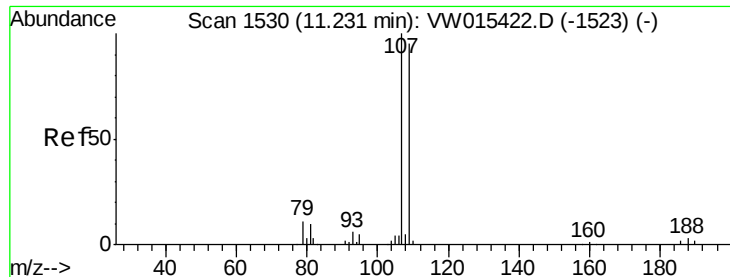
127 76.5 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

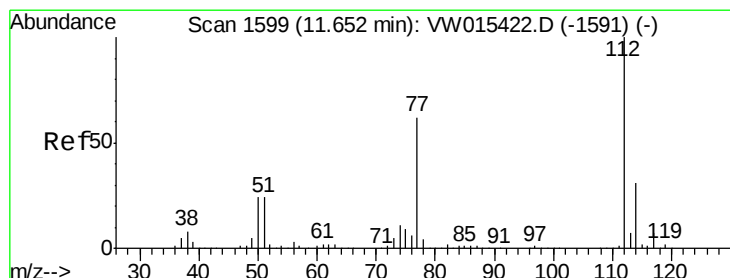
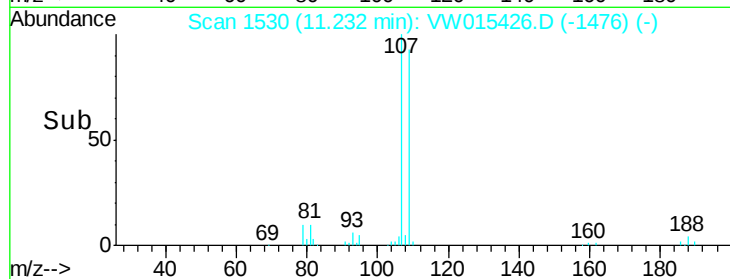
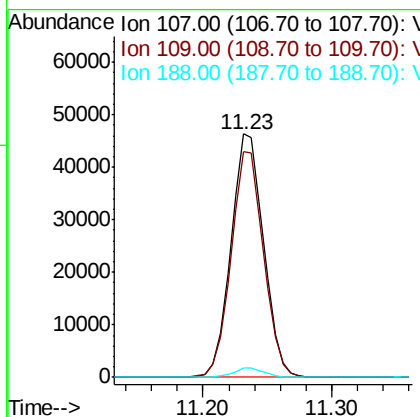
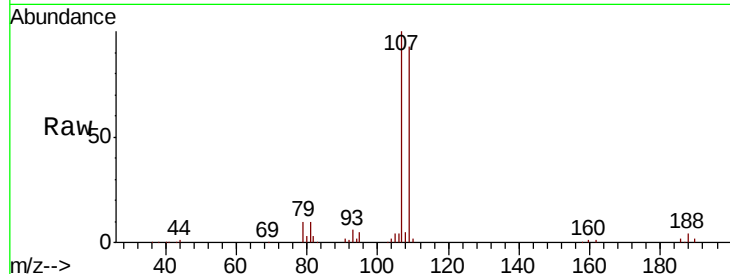




#51
 1,2-Dibromoethane
 Concen: 26.428 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015426.D
 Acq: 08 May 2020 15:27

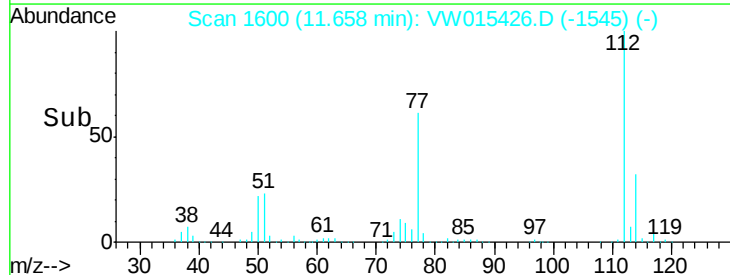
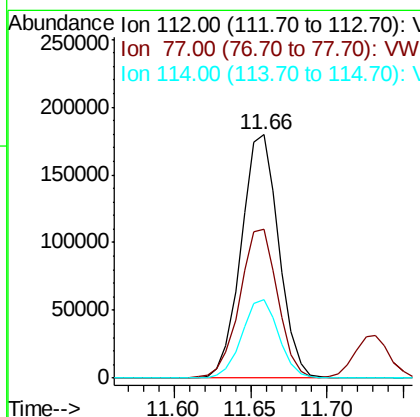
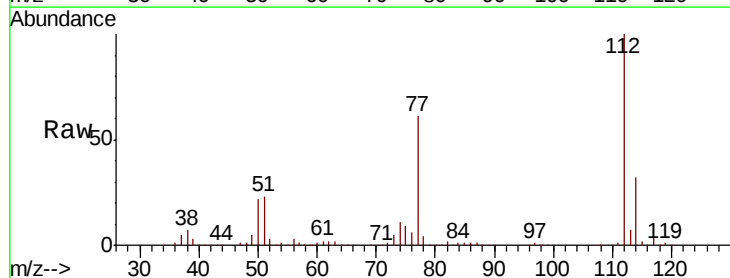
Instrument :
 MSVOA_W
 ClientSampleId :

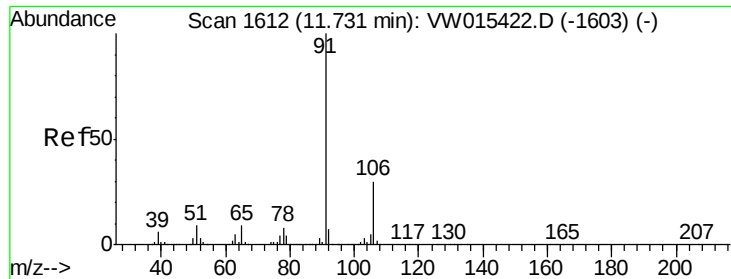
Tot Ion	107	Resp	81450
Ion Ratio	Lower	Upper	
107	100		
109	92.7	66.2	123.0
188	3.7	2.9	4.3



#52
 Chlorobenzene
 Concen: 24.072 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: VW015426.D
 Acq: 08 May 2020 15:27

Tgt Ion	112	Resp	305952
Ion Ratio	Lower	Upper	
112	100		
77	61.4	48.6	73.0
114	32.0	21.2	39.4

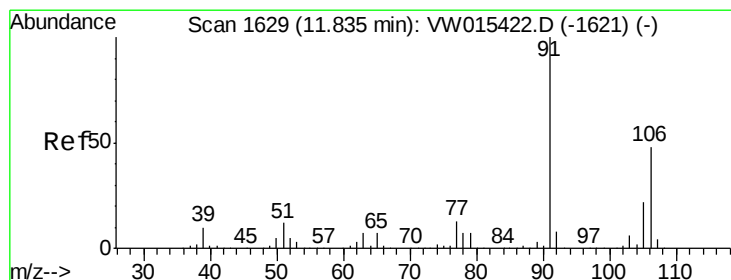
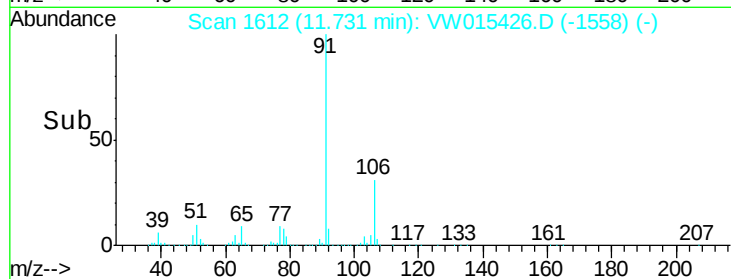
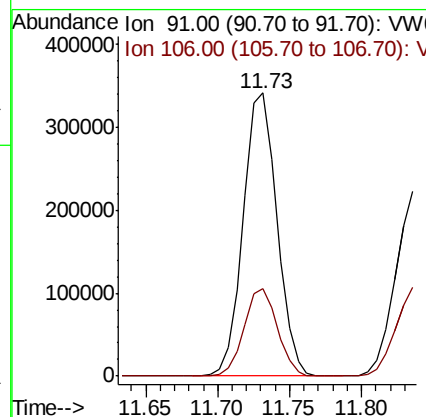
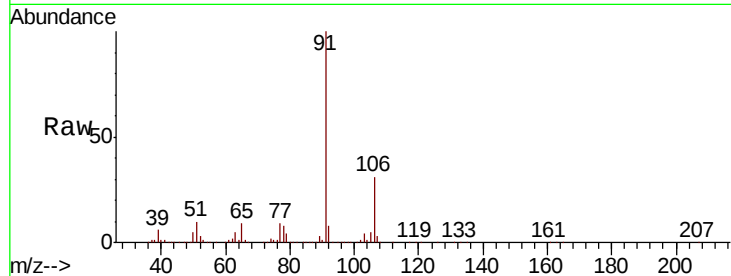




#53
Ethylbenzene
Concen: 23.668 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015426.D
Acq: 08 May 2020 15:27

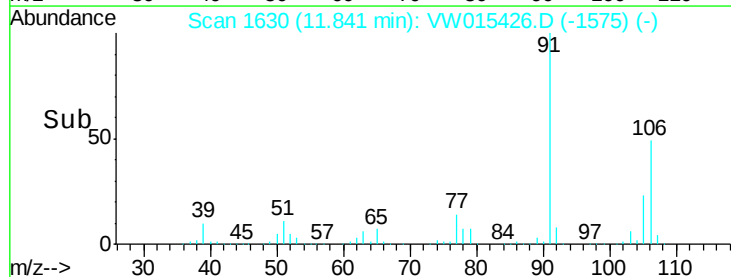
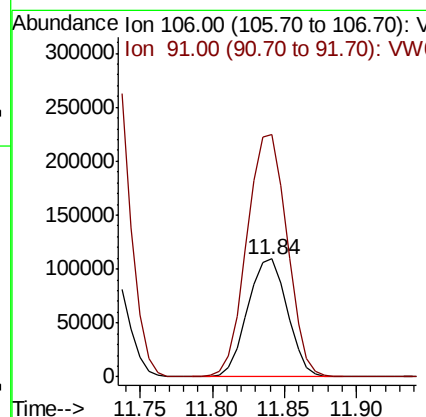
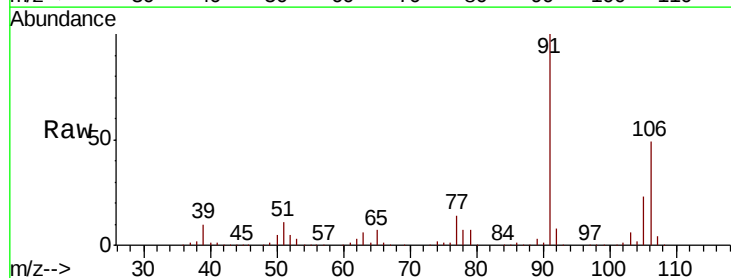
Instrument :
MSVOA_W
ClientSampleId :

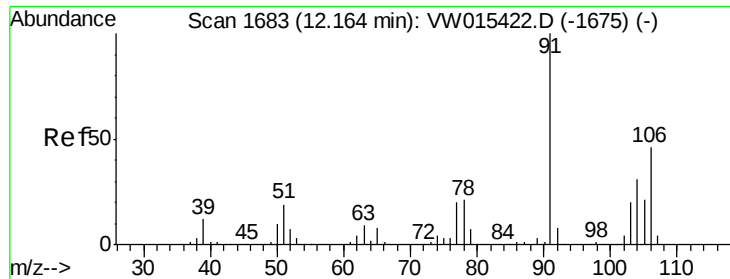
Tot Ion: 91 Resp: 556090
Ion Ratio Lower Upper
91 100
106 31.1 21.1 39.1



#54
m,p-Xylene
Concen: 23.828 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015426.D
Acq: 08 May 2020 15:27

Tgt Ion: 106 Resp: 209158
Ion Ratio Lower Upper
106 100
91 205.2 145.0 269.4

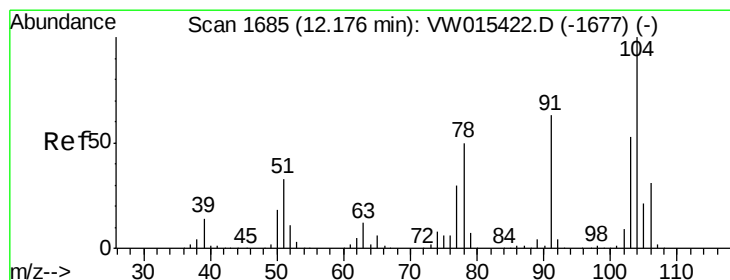
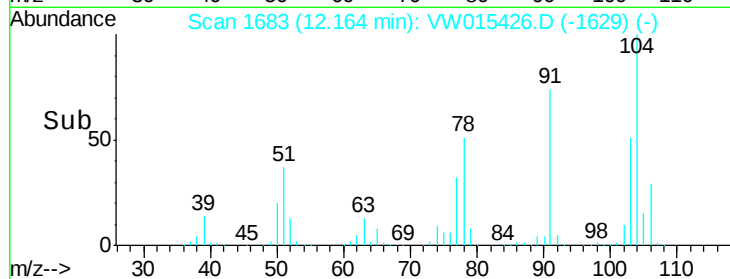
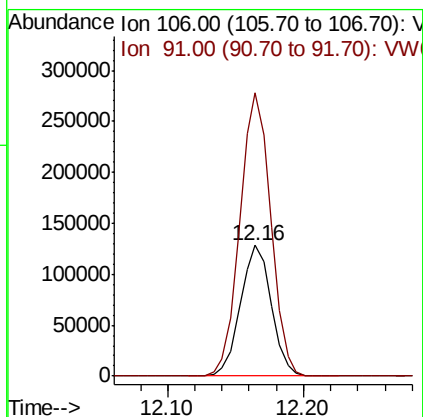
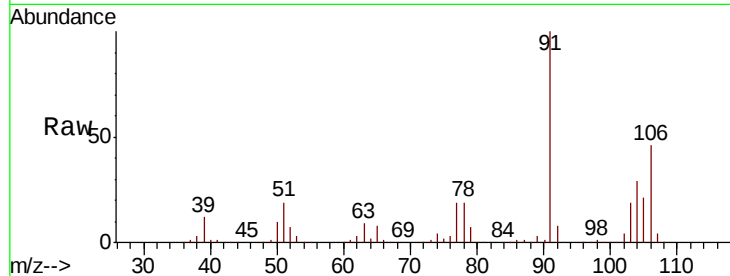




#55
o-xylene
Concen: 24.056 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015426.D
Acq: 08 May 2020 15:27

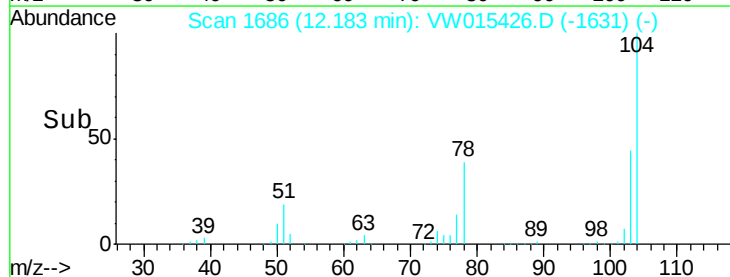
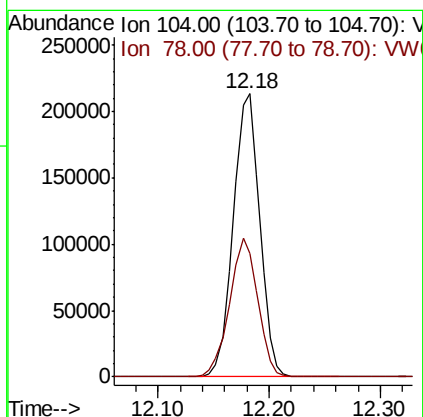
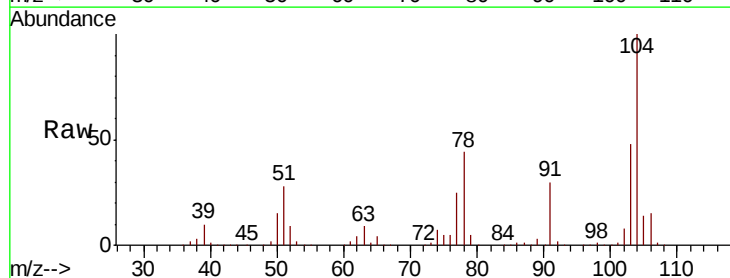
Instrument :
MSVOA_W
ClientSampled :

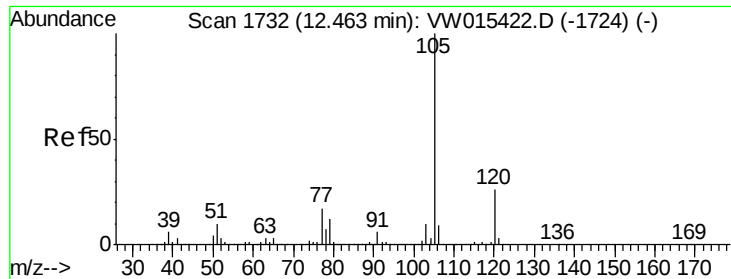
Tot Ion:106 Resp: 203145
Ion Ratio Lower Upper
106 100
91 216.7 152.3 282.9



#56
Styrene
Concen: 24.345 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW015426.D
Acq: 08 May 2020 15:27

Tgt Ion:104 Resp: 351009
Ion Ratio Lower Upper
104 100
78 43.6 32.4 60.2





#57

Isopropylbenzene

Concen: 23.741 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015426.D

Acq: 08 May 2020 15:27

Instrument :

MSVOA_W

ClientSampleId :

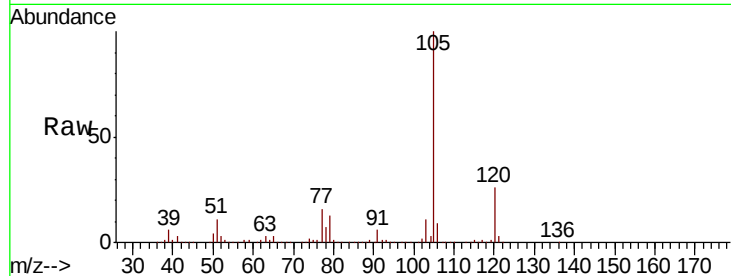
Tot Ion:105 Resp: 553821

Ion Ratio Lower Upper

105 100

120 26.4 20.5 30.7

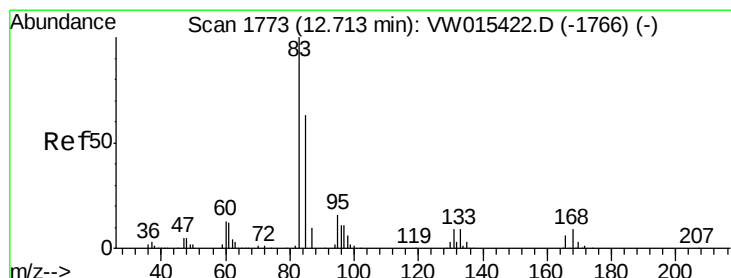
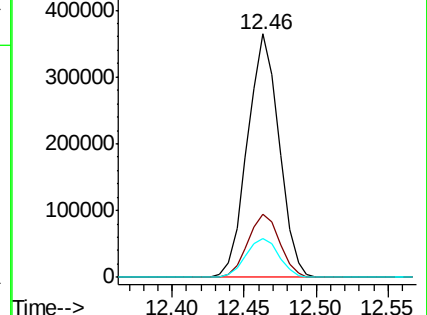
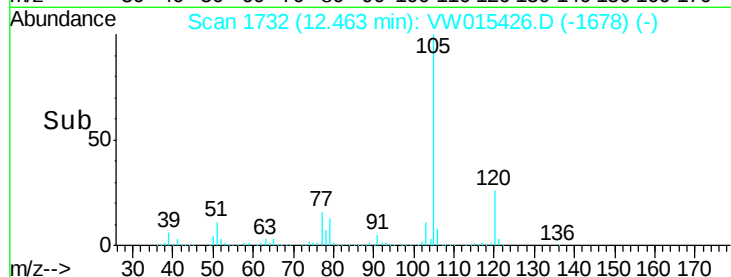
77 16.7 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 27.159 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015426.D

Acq: 08 May 2020 15:27

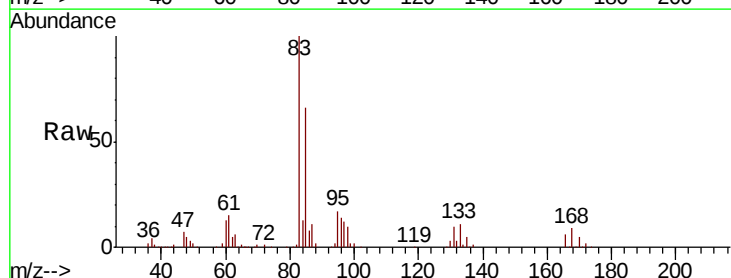
Tgt Ion: 83 Resp: 104342

Ion Ratio Lower Upper

83 100

85 66.0 46.3 86.1

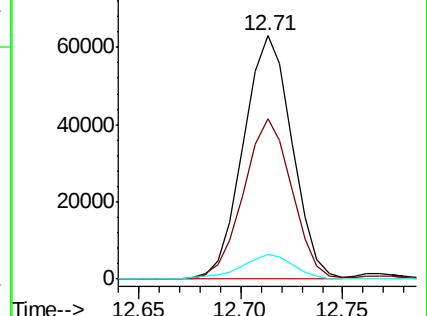
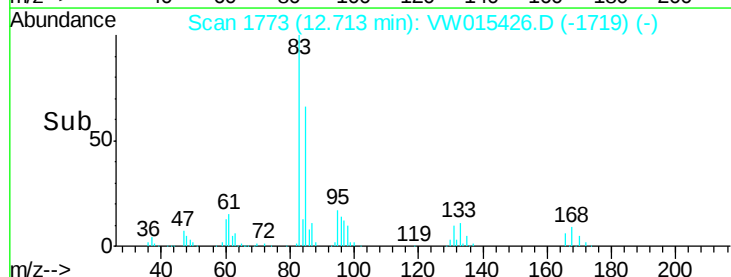
131 10.3 7.9 11.9

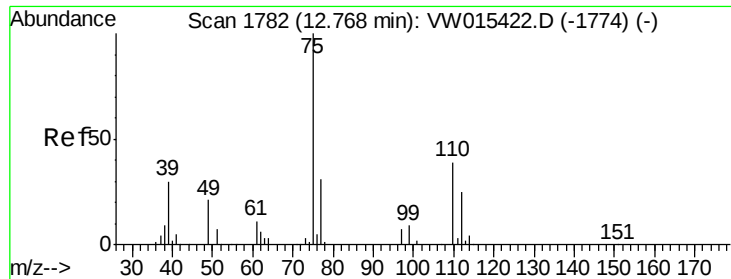


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

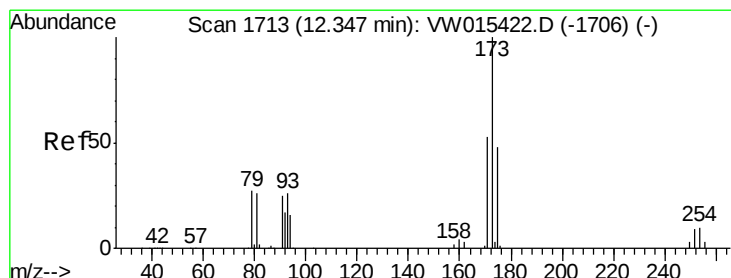
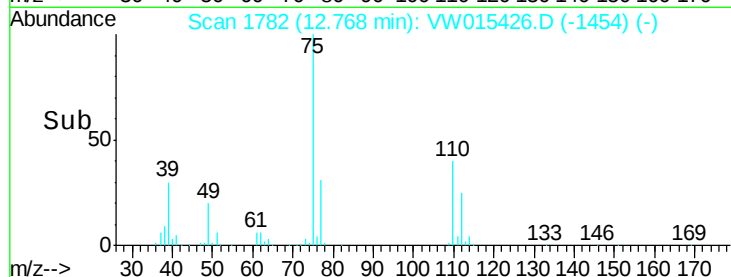
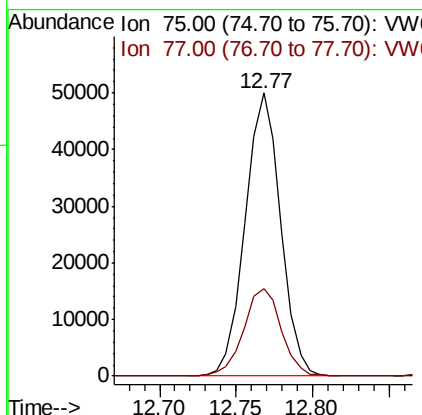
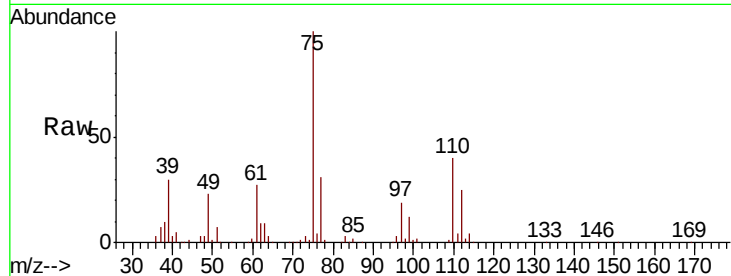




#59
 1,2,3-Trichloropropane
 Concen: 27.554 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW015426.D
 Acq: 08 May 2020 15:27

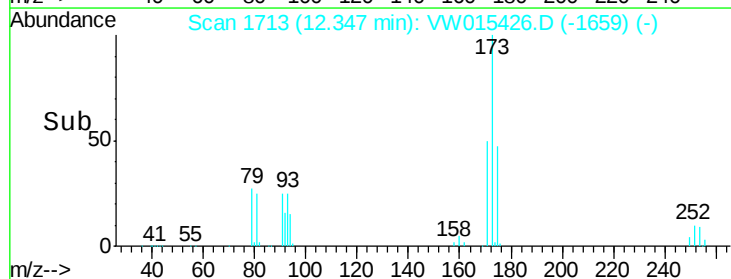
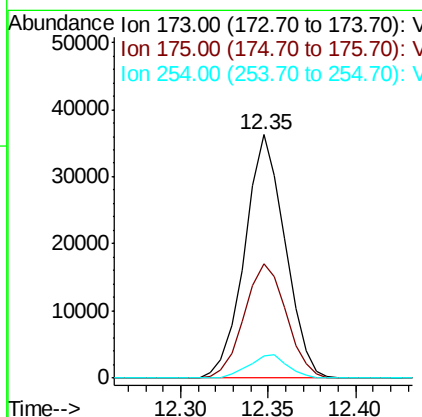
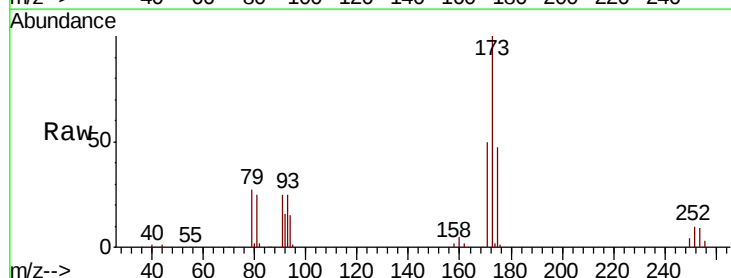
Instrument :
 MSVOA_W
 ClientSampled :

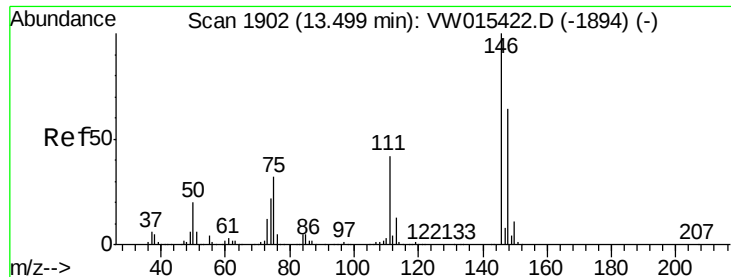
Tot Ion: 75 Resp: 80399
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.9 38.9



#62
 Bromoform
 Concen: 25.244 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW015426.D
 Acq: 08 May 2020 15:27

Tgt Ion: 173 Resp: 58238
 Ion Ratio Lower Upper
 173 100
 175 49.0 40.7 61.1
 254 9.3 7.6 11.4

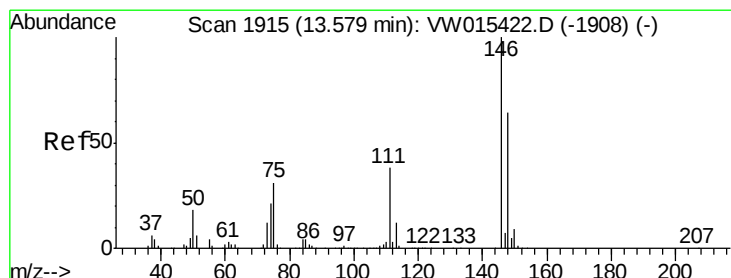
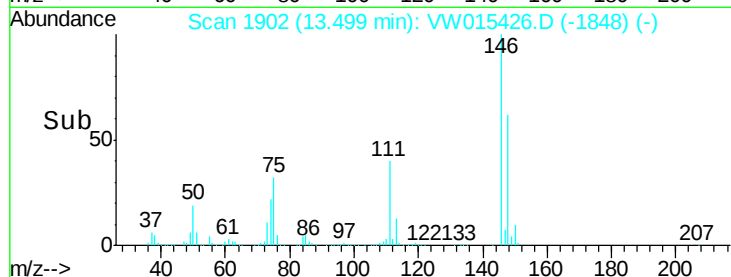
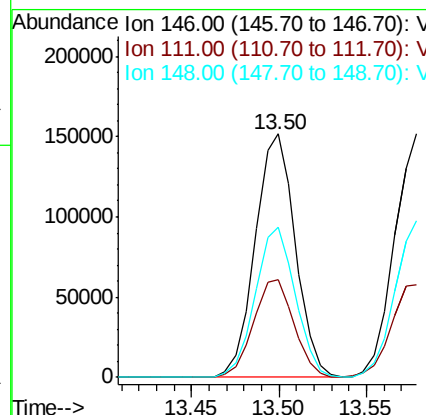
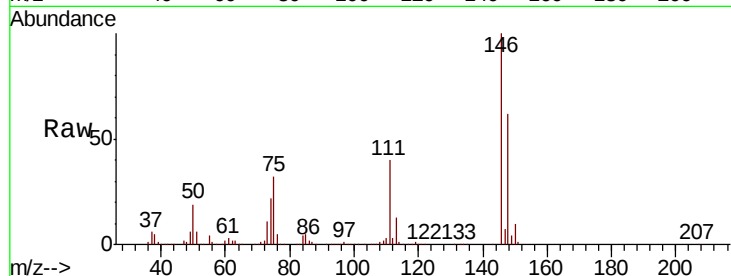




#63
 1,3-Dichlorobenzene
 Concen: 24.458 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015426.D
 Acq: 08 May 2020 15:27

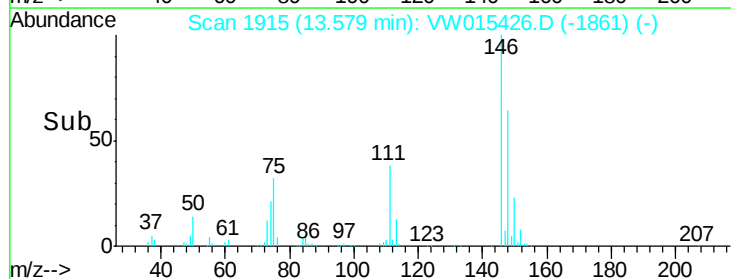
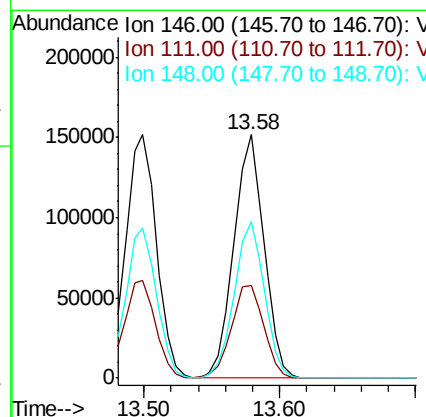
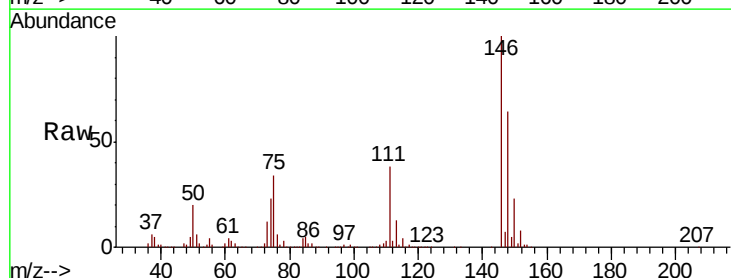
Instrument :
 MSVOA_W
 ClientSampleId :

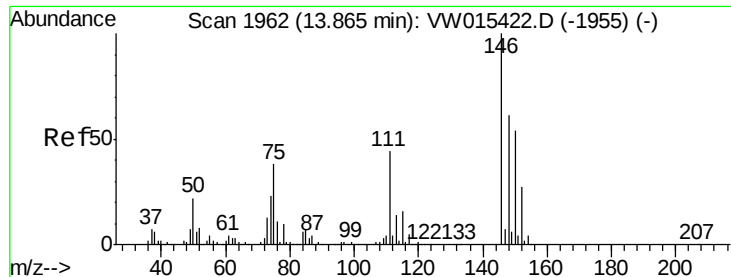
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	27.9	51.9
148	61.9	44.5	82.7



#64
 1,4-Dichlorobenzene
 Concen: 23.744 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015426.D
 Acq: 08 May 2020 15:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	28.2	52.4
148	64.4	43.8	81.3

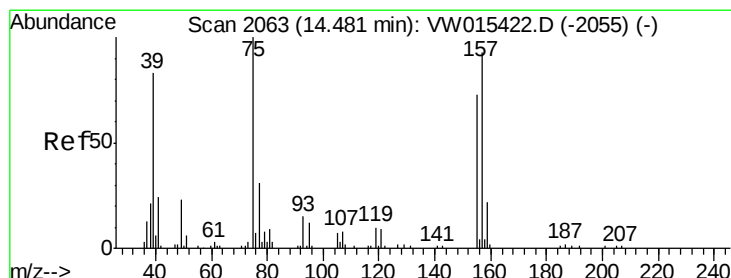
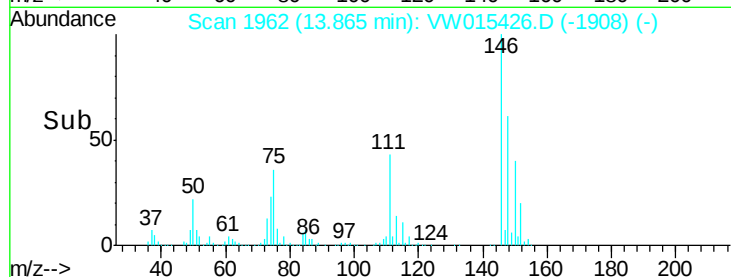
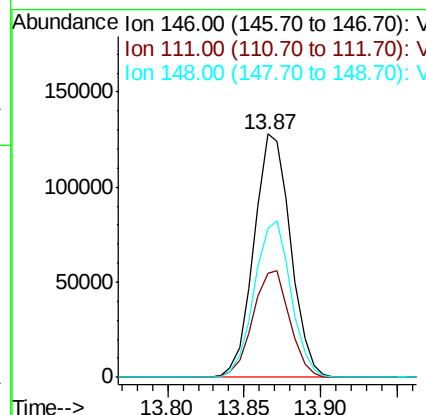
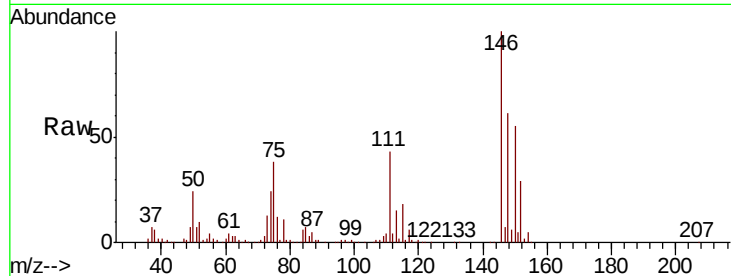




#65
 1,2-Dichlorobenzene
 Concen: 24.391 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW015426.D
 Acq: 08 May 2020 15:27

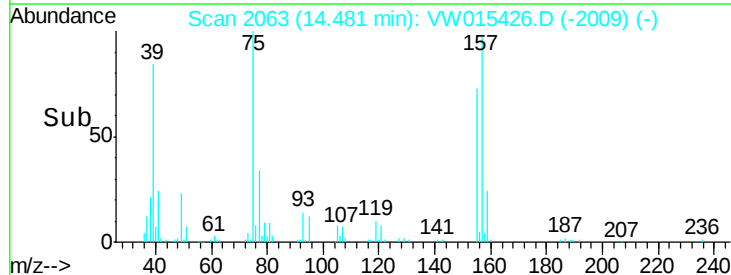
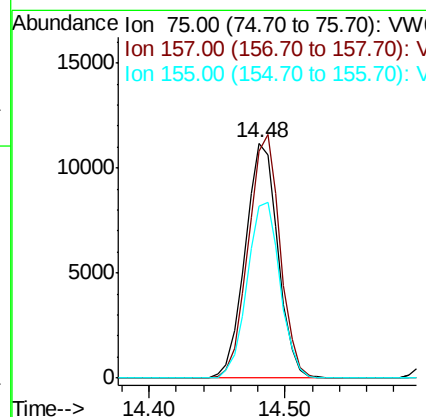
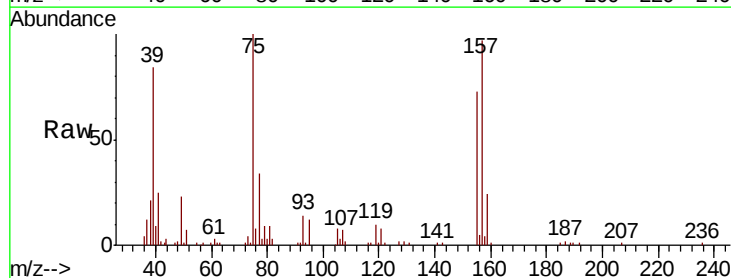
Instrument :
 MSVOA_W
 ClientSampleId :

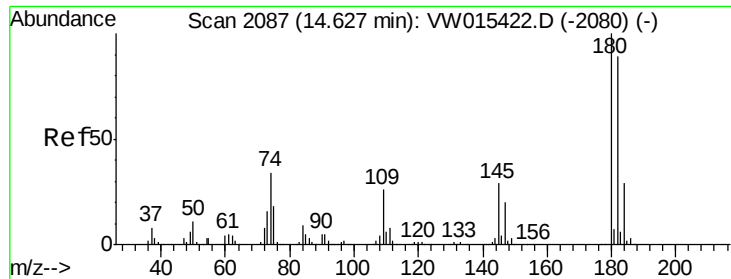
Tot Ion:146 Resp: 213113
 Ion Ratio Lower Upper
 146 100
 111 43.0 34.3 51.5
 148 61.2 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.607 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015426.D
 Acq: 08 May 2020 15:27

Tgt Ion: 75 Resp: 18738
 Ion Ratio Lower Upper
 75 100
 157 97.0 72.7 109.1
 155 73.4 56.7 85.1

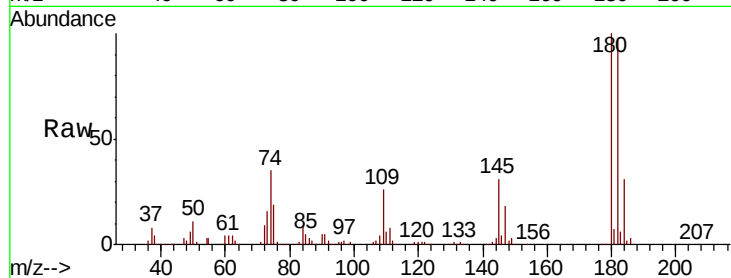




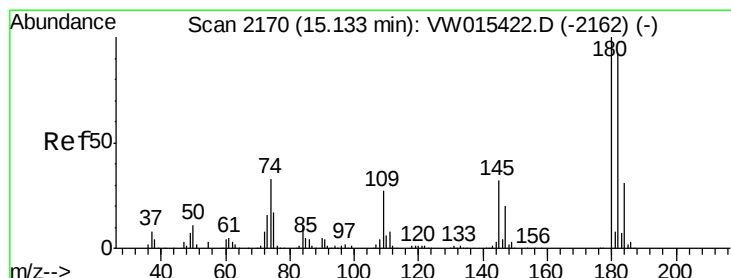
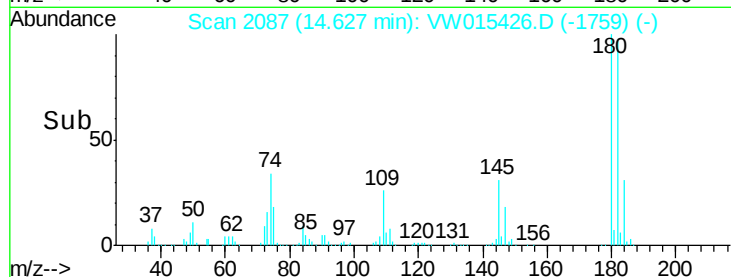
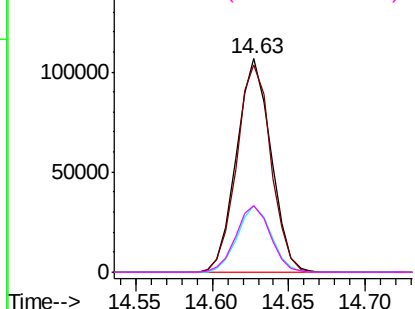
#67
 1,3,5-Trichlorobenzene
 Concen: 24.407 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015426.D
 Acq: 08 May 2020 15:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	166687
Ion	Ratio	Lower Upper
180	100	
182	96.6	76.8 115.2
184	30.6	24.7 37.1
145	31.1	24.7 37.1

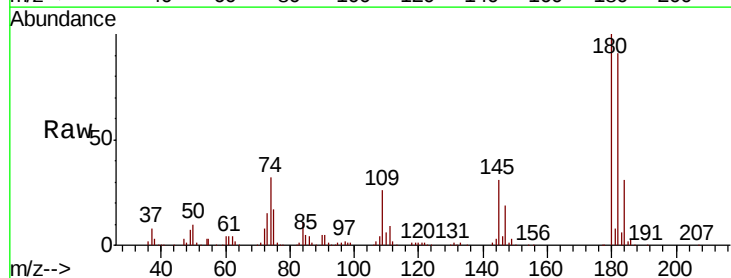


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

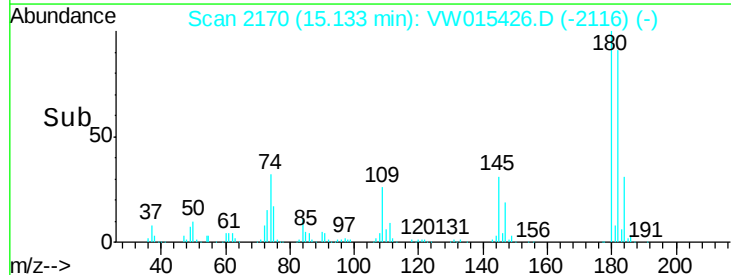
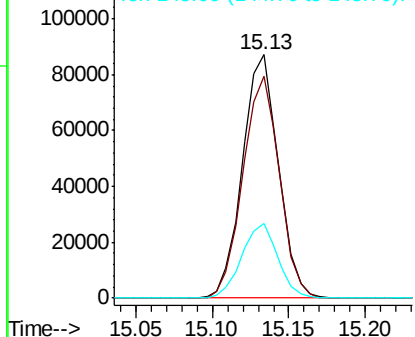


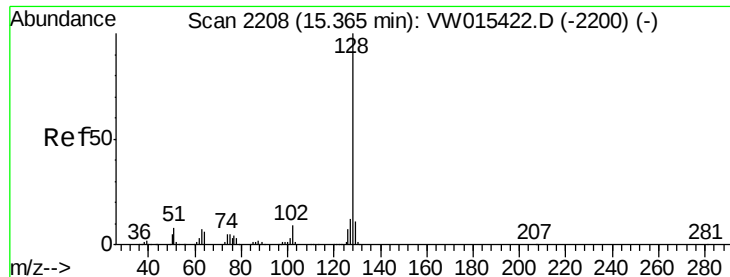
#68
 1,2,4-trichlorobenzene
 Concen: 25.244 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015426.D
 Acq: 08 May 2020 15:27

Tgt Ion:180	Resp:	142352
Ion	Ratio	Lower Upper
180	100	
182	92.5	77.9 116.9
145	30.6	26.5 39.7



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





#69

Naphthalene

Concen: 27.213 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015426.D

Acq: 08 May 2020 15:27

Instrument :

MSVOA_W

ClientSampleId :

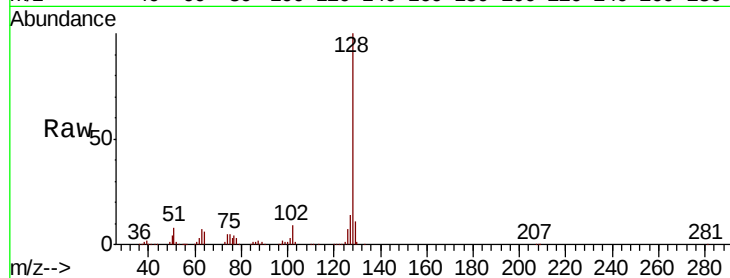
Tot Ion:128 Resp: 287981

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

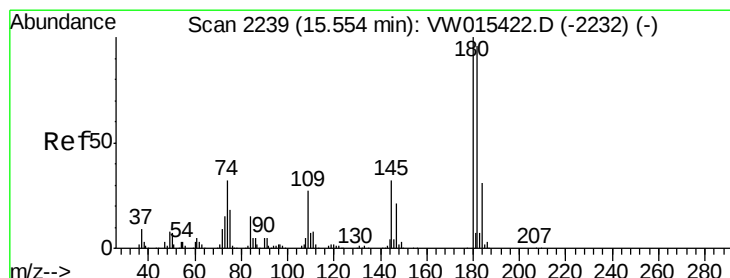
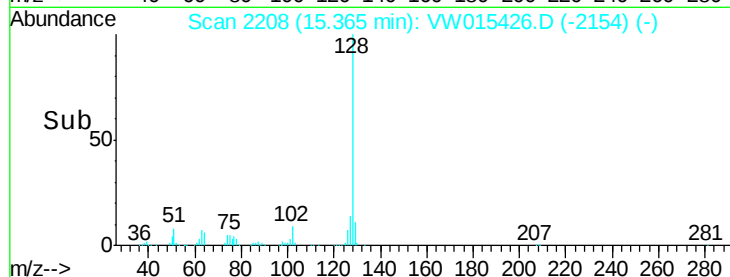
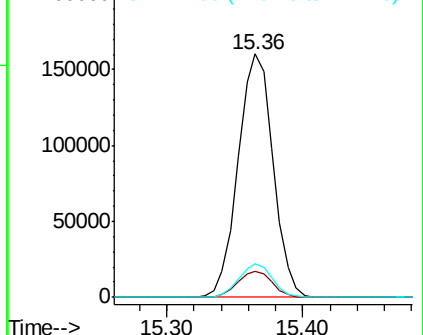
127 13.2 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 24.926 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015426.D

Acq: 08 May 2020 15:27

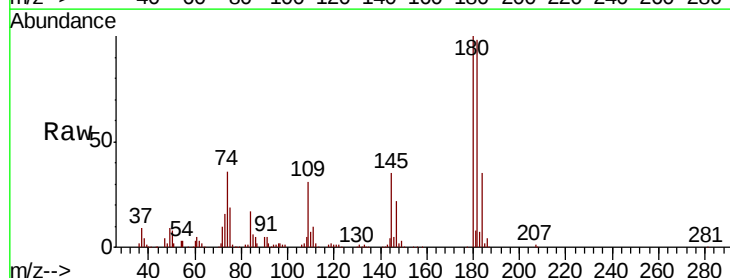
Tgt Ion:180 Resp: 121098

Ion Ratio Lower Upper

180 100

182 95.2 75.7 113.5

145 33.1 26.6 39.8



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

