

Data File : VW008757.D
Acq On : 20 Feb 2019 13:40
Operator : SY/VA
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VICV06

Quant Time: Feb 21 06:47:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022019S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 20 13:48:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	425445	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	412769	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	217954	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	161248	24.36	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.44%
7) Chloroethane-d5	2.88	69	142472	23.98	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.92%
10) 1,1-Dichloroethene-d2	4.01	63	252983	22.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.92%
20) 2-Butanone-d5	7.08	46	98631	49.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.96%
24) Chloroform-d	7.65	84	233426	22.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.76%
26) 1,2-Dichloroethane-d4	8.31	65	134886	22.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.88%
29) Benzene-d6	8.27	84	475561	24.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.00%
33) 1,2-Dichloropropane-d6	9.27	67	138951	23.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.76%
37) Toluene-d8	10.32	98	499287	25.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.64%
38) trans-1,3-Dichloropropene-	10.58	79	70948	24.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.56%
39) 2-Hexanone-d5	10.93	63	82085	51.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	145096	24.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.56%
61) 1,2-Dichlorobenzene-d4	13.86	152	197512	25.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.72%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	205703	25.169 ug/L	94
3) Chloromethane	2.21	50	213986	25.330 ug/L	97
5) Vinyl chloride	2.35	62	227527	26.270 ug/L	98
6) Bromomethane	2.77	94	141473	24.634 ug/L	100
8) Chloroethane	2.92	64	143543	24.752 ug/L	95
9) Trichlorofluoromethane	3.26	101	248256	23.969 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	141583	23.146 ug/L	97
12) 1,1-Dichloroethene	4.04	96	124937	23.543 ug/L	90
13) Acetone	4.12	43	103701	55.385 ug/L	100
14) Carbon disulfide	4.38	76	449349	24.504 ug/L	100
15) Methyl Acetate	4.67	43	88661	23.741 ug/L	95
16) Methylene chloride	4.91	84	148766	21.624 ug/L	91
17) Methyl tert-butyl Ether	5.43	73	341838	22.905 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	141073	24.146 ug/L	94
19) 1,1-Dichloroethane	6.21	63	235925	23.782 ug/L	98
21) 2-Butanone	7.17	43	138194	52.747 ug/L	94
22) cis-1,2-Dichloroethene	7.16	96	146428	23.368 ug/L	95

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	65823	22.957	ug/L	90
25) Chloroform	7.67	83	243591	23.326	ug/L	100
27) 1,2-Dichloroethane	8.40	62	174702	23.004	ug/L #	95
30) Cyclohexane	7.95	56	239191	24.619	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	233350	24.488	ug/L	96
32) Carbon tetrachloride	8.07	117	211072	24.236	ug/L	98
34) Benzene	8.32	78	548511	24.495	ug/L	100
35) Trichloroethene	9.09	95	144651	23.933	ug/L	95
36) Methylcyclohexane	9.33	83	268612	25.046	ug/L	97
40) 1,2-Dichloropropane	9.37	63	134608	24.335	ug/L	100
41) Bromodichloromethane	9.64	83	177255	23.567	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	215743	24.044	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	250985	50.243	ug/L	96
44) Toluene	10.39	91	640585	24.884	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	195660	24.420	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	108426	23.444	ug/L	97
47) Tetrachloroethene	10.86	164	135935	24.705	ug/L	96
49) 2-Hexanone	10.97	43	202540	51.690	ug/L	94
50) Dibromochloromethane	11.13	129	132943	23.711	ug/L	97
51) 1,2-Dibromoethane	11.23	107	111125	23.754	ug/L	96
52) Chlorobenzene	11.66	112	425951	24.584	ug/L	97
53) Ethylbenzene	11.73	91	747823	25.001	ug/L	98
54) m,p-Xylene	11.84	106	289140	24.582	ug/L	96
55) o-xylene	12.16	106	274537	24.263	ug/L	97
56) Styrene	12.18	104	469206	24.725	ug/L	94
57) Isopropylbenzene	12.46	105	754914	25.010	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	149759	24.136	ug/L #	93
59) 1,2,3-Trichloropropane	12.77	75	112865	24.602	ug/L	100
62) Bromoform	12.35	173	82456	24.436	ug/L #	97
63) 1,3-Dichlorobenzene	13.50	146	358238	25.183	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	361326	25.002	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	331098	25.128	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	29443	25.166	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	278966	24.907	ug/L	97
68) 1,2,4-trichlorobenzene	15.14	180	241907	25.075	ug/L	97
69) Naphthalene	15.37	128	520923	26.228	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	220831	24.909	ug/L	97

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

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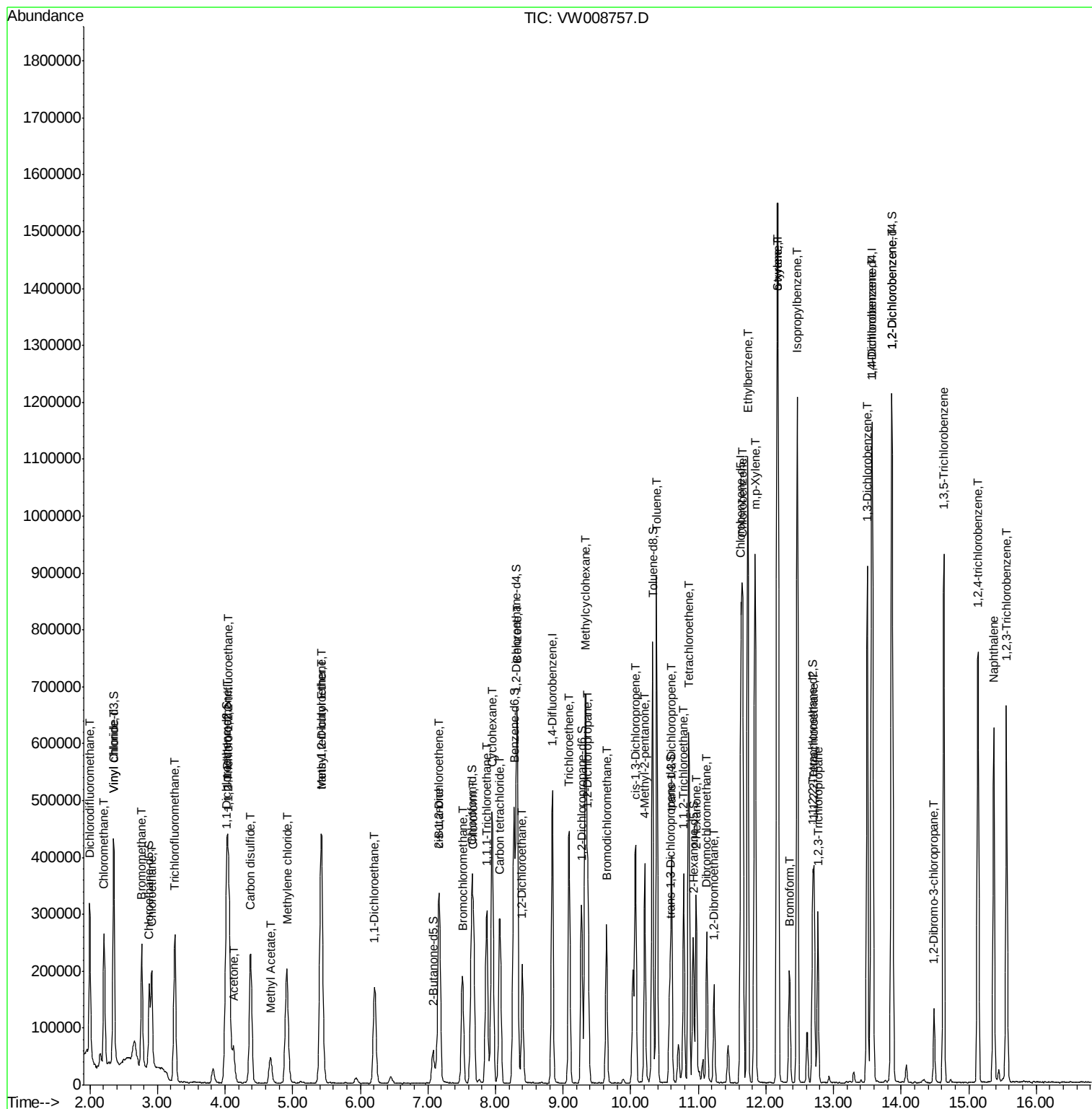
Quant Time: Feb 21 06:47:23 2019

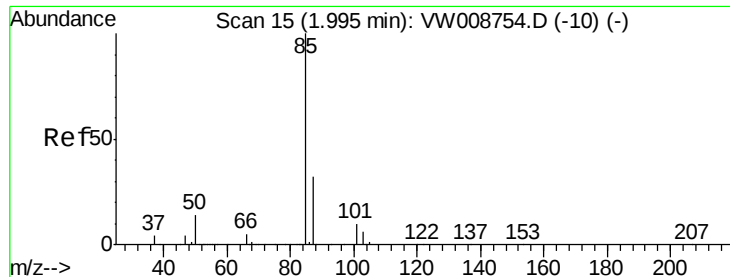
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022019S.M

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#2

Dichlorodifluoromethane

Concen: 25.169 ug/L

RT: 2.00 min Scan# 15

Delta R.T. -0.02 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

Instrument :

MSVOA_W

ClientSampled :

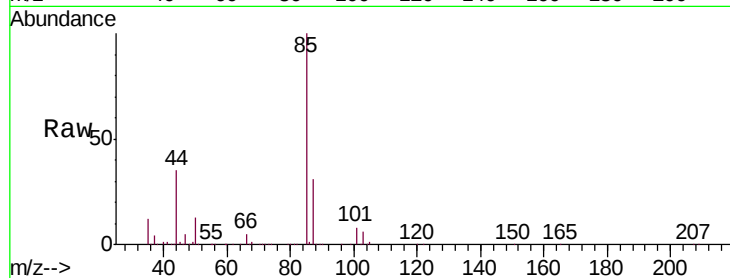
VICV06

Tgt Ion: 85 Resp: 205703

Ion Ratio Lower Upper

85 100

87 32.6 20.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.00

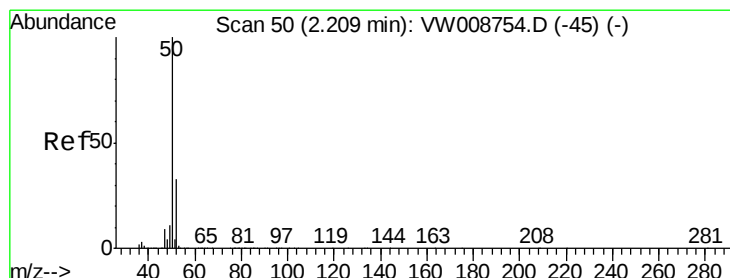
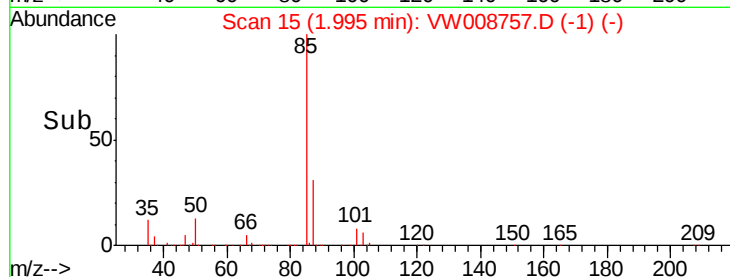
150000

100000

50000

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Time-->



#3

Chloromethane

Concen: 25.330 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008757.D

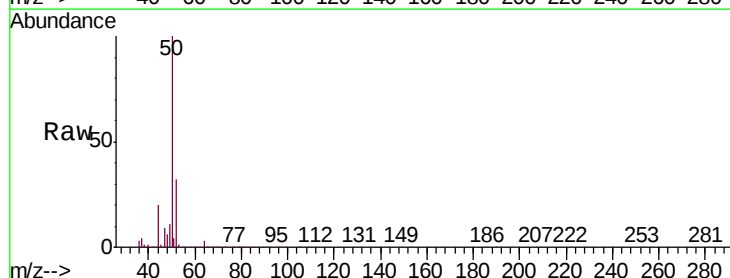
Acq: 20 Feb 2019 13:40

Tgt Ion: 50 Resp: 213986

Ion Ratio Lower Upper

50 100

52 32.3 21.4 39.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21

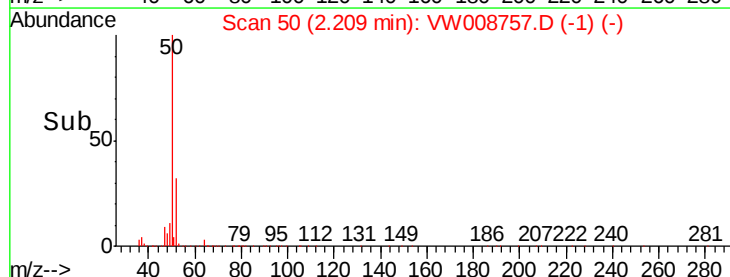
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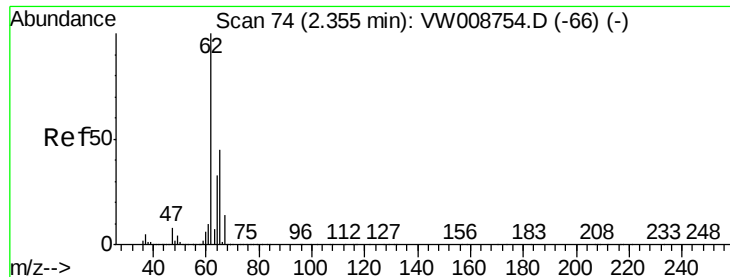
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 26.270 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

Instrument :

MSVOA_W

ClientSampleId :

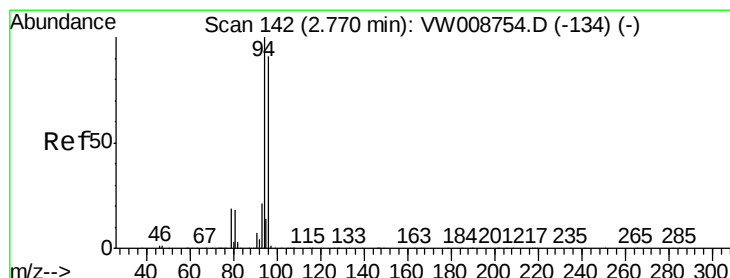
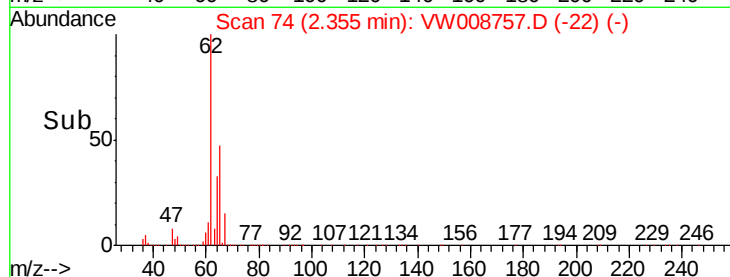
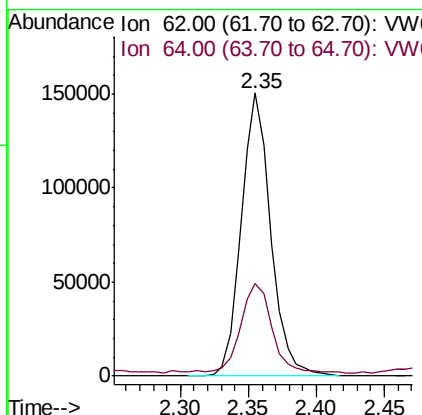
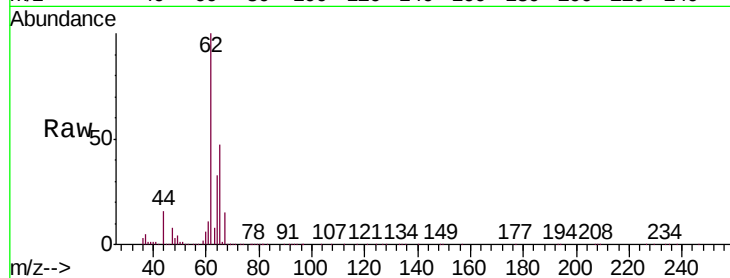
VICV06

Tgt Ion: 62 Resp: 227527

Ion Ratio Lower Upper

62 100

64 32.8 22.0 41.0



#6

Bromomethane

Concen: 24.634 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW008757.D

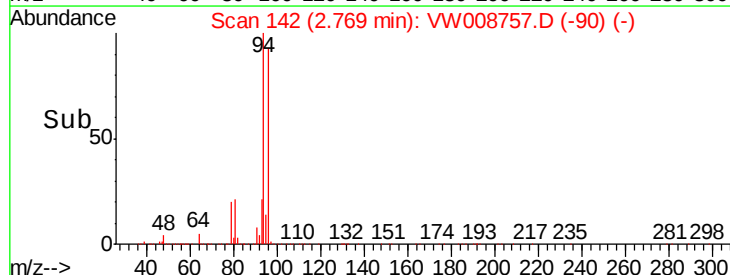
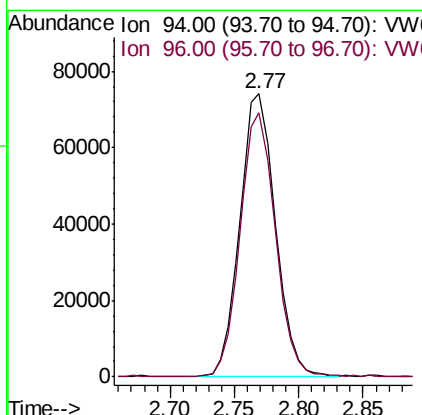
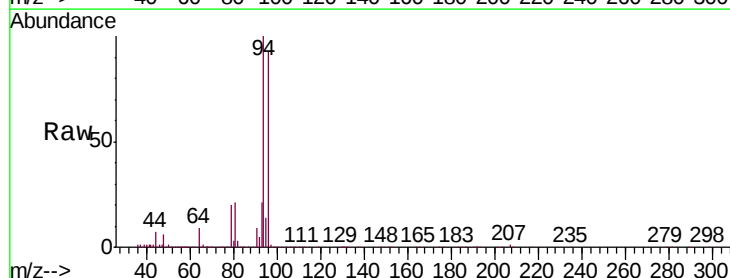
Acq: 20 Feb 2019 13:40

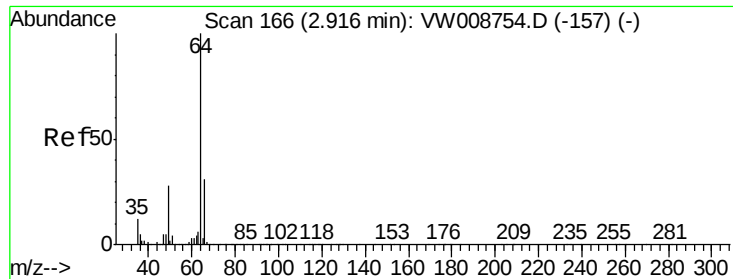
Tgt Ion: 94 Resp: 141473

Ion Ratio Lower Upper

94 100

96 91.9 9.2 175.4

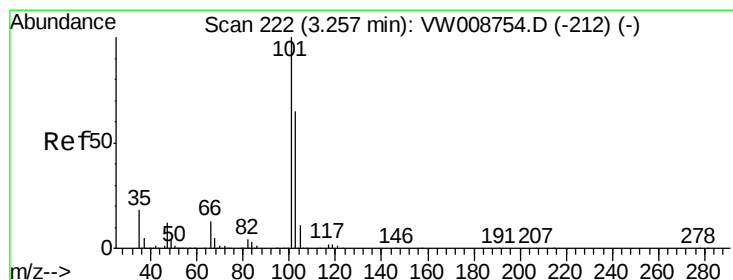
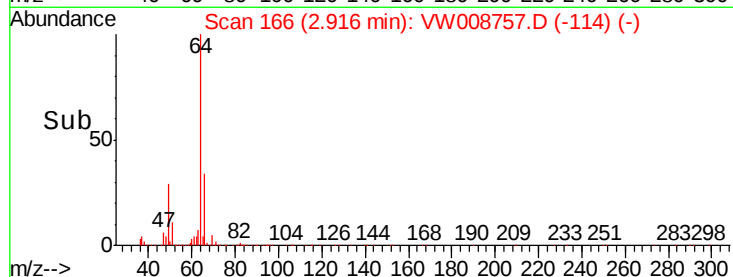
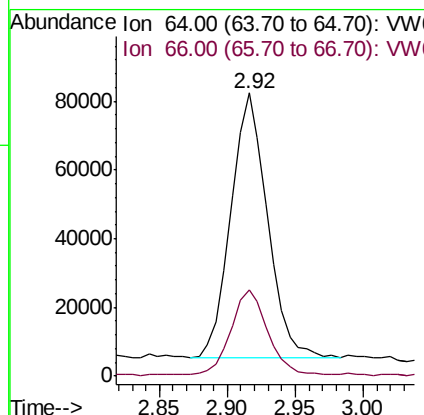
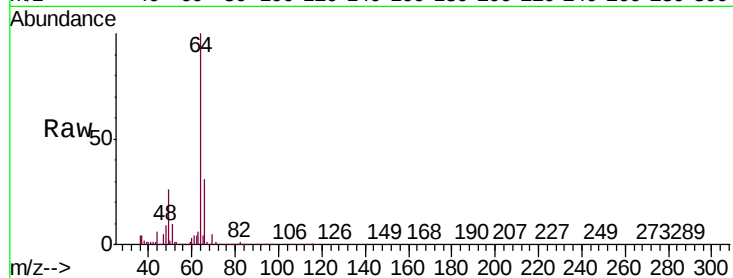




#8
Chloroethane
Concen: 24.752 ug/L
RT: 2.92 min Scan# 166
Delta R.T. -0.01 min
Lab File: VW008757.D
Acq: 20 Feb 2019 13:40

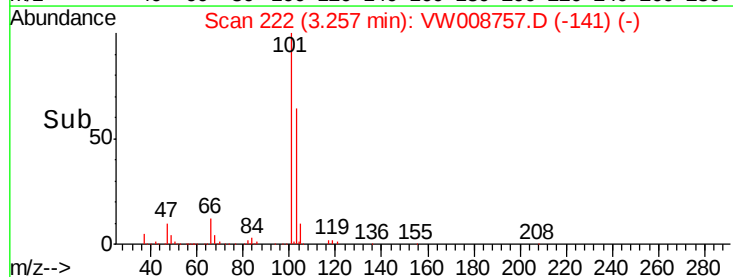
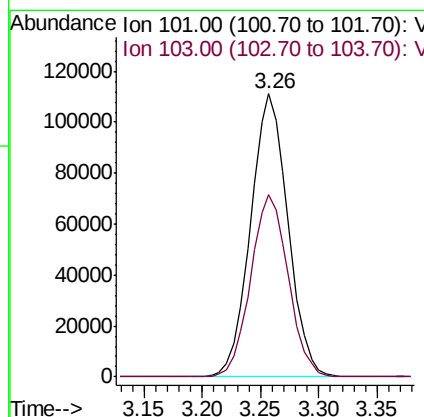
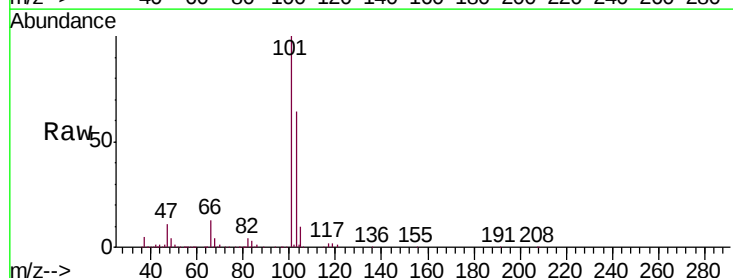
Instrument :
MSVOA_W
ClientSampleId :
VICV06

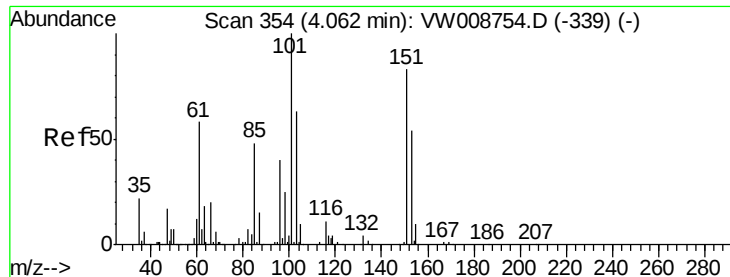
Tgt Ion: 64 Resp: 143543
Ion Ratio Lower Upper
64 100
66 30.6 23.3 43.3



#9
Trichlorofluoromethane
Concen: 23.969 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW008757.D
Acq: 20 Feb 2019 13:40

Tgt Ion: 101 Resp: 248256
Ion Ratio Lower Upper
101 100
103 64.8 44.7 83.1





#11

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

Concen: 23.146 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

Instrument :

MSVOA_W

ClientSampleId :

VICV06

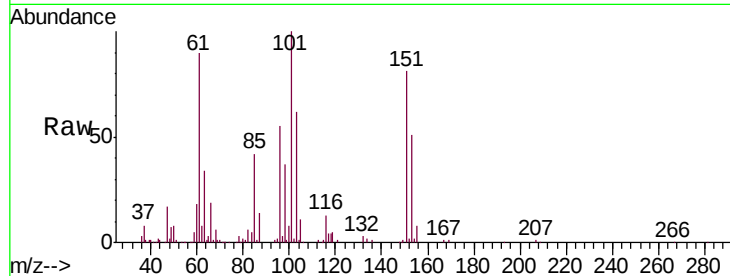
Tgt Ion: 101 Resp: 141583

Ion Ratio Lower Upper

101 100

85 44.8 33.4 50.2

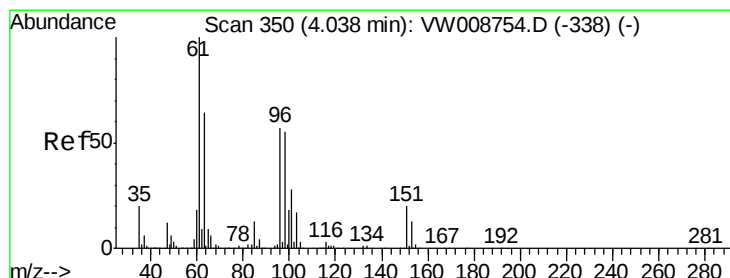
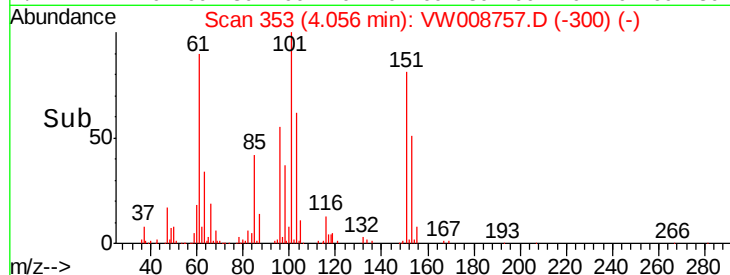
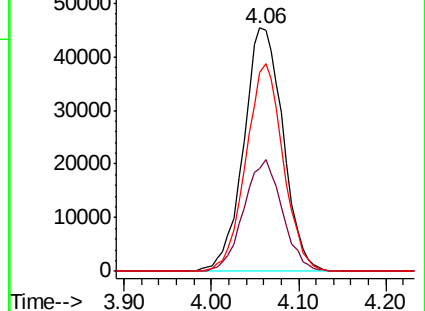
151 80.7 63.2 94.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.543 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

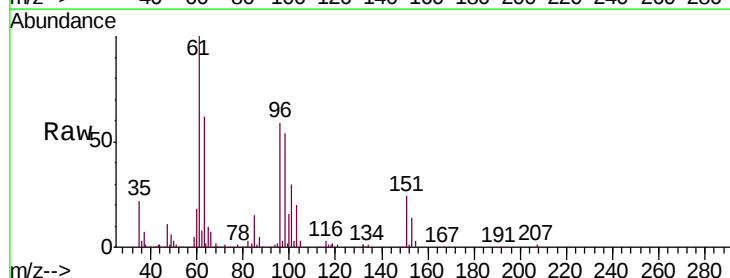
Tgt Ion: 96 Resp: 124937

Ion Ratio Lower Upper

96 100

61 169.5 120.3 223.3

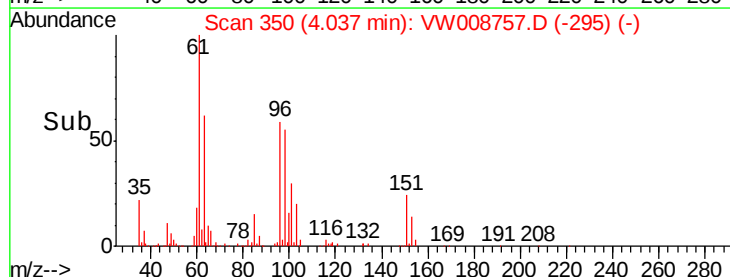
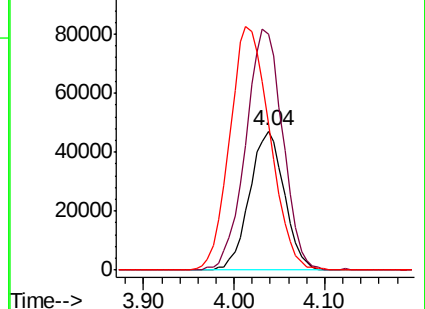
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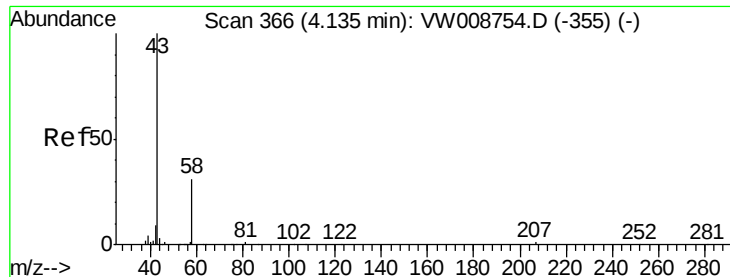


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 55.385 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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Instrument :

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ClientSampleId :

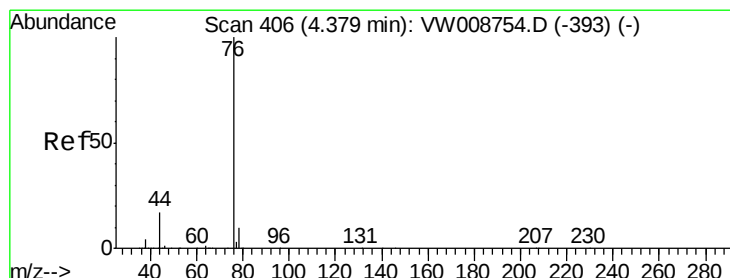
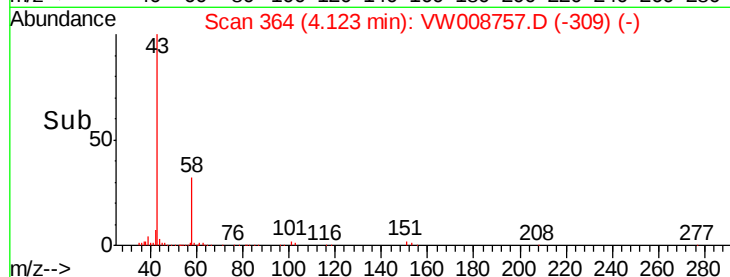
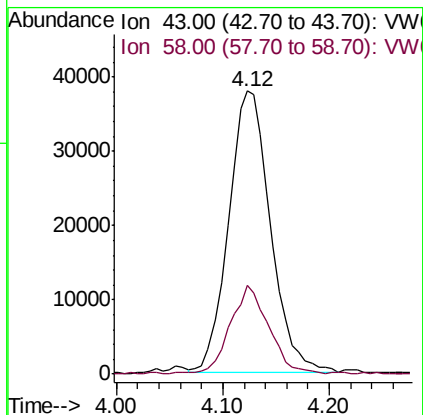
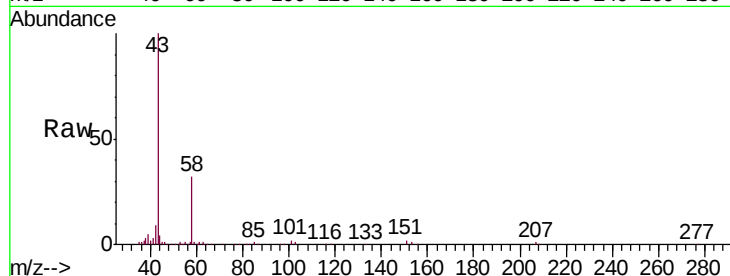
VICV06

Tgt Ion: 43 Resp: 103701

Ion Ratio Lower Upper

43 100 0.0 58.6

58 29.1 0.0 58.6



#14

Carbon disulfide

Concen: 24.504 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008757.D

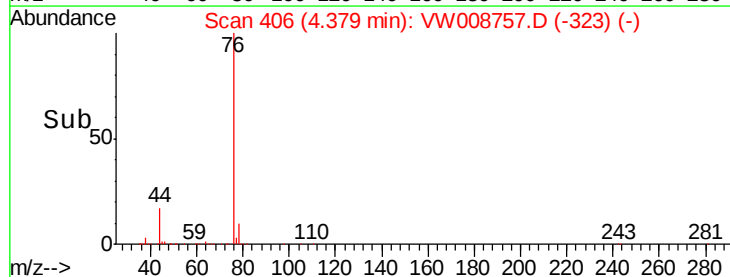
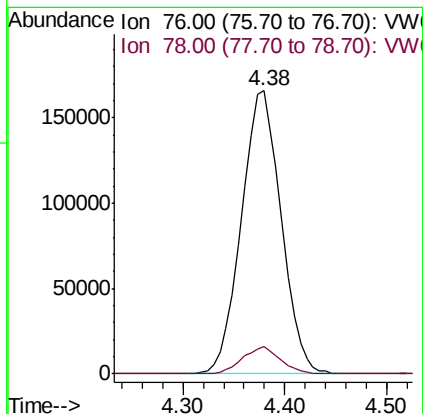
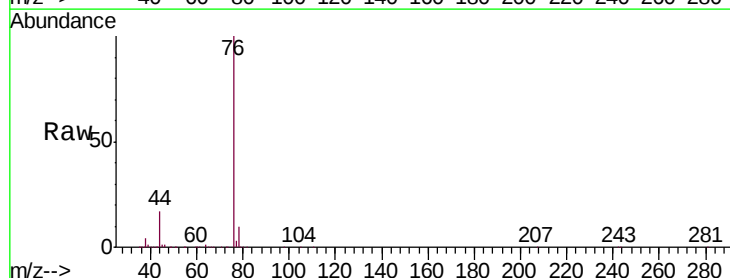
Acq: 20 Feb 2019 13:40

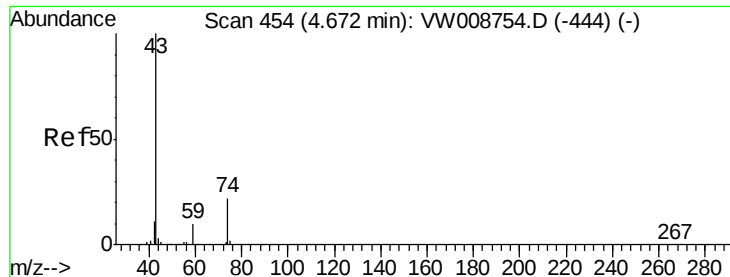
Tgt Ion: 76 Resp: 449349

Ion Ratio Lower Upper

76 100 7.5 11.3

78 9.5 7.5 11.3





#15

Methyl Acetate

Concen: 23.741 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

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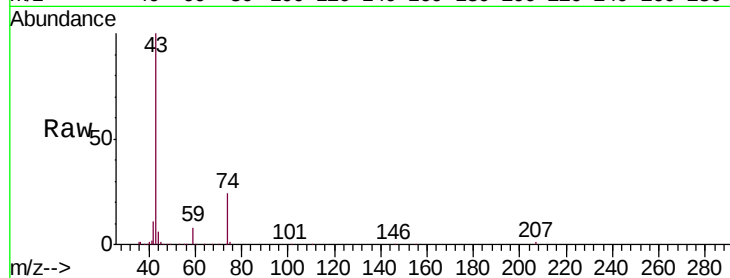
VICV06

Tgt Ion: 43 Resp: 88661

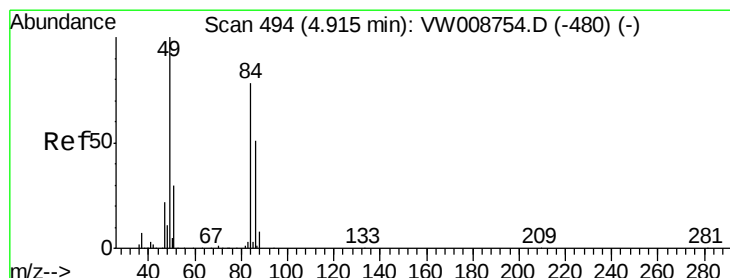
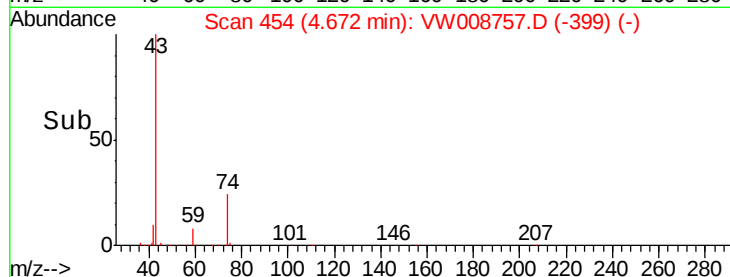
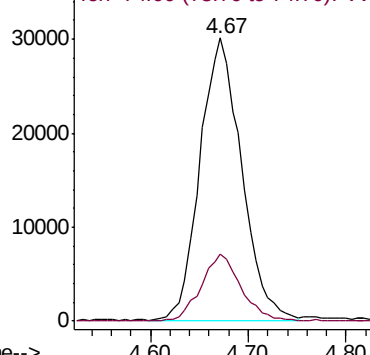
Ion Ratio Lower Upper

43 100

74 22.8 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 21.624 ug/L

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

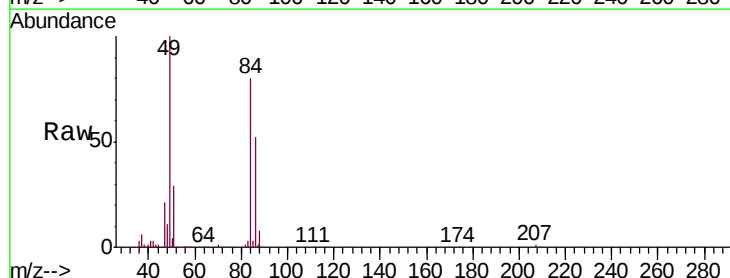
Tgt Ion: 84 Resp: 148766

Ion Ratio Lower Upper

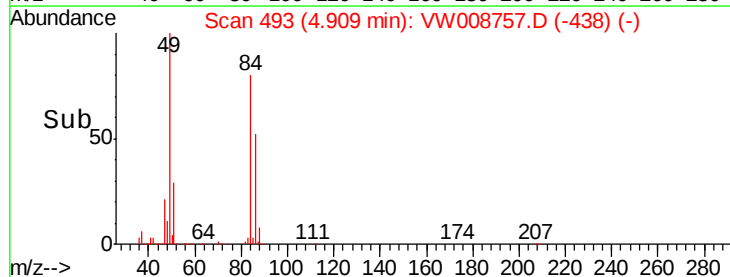
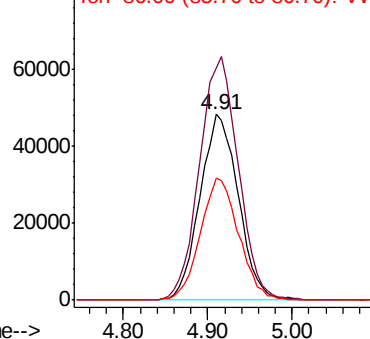
84 100

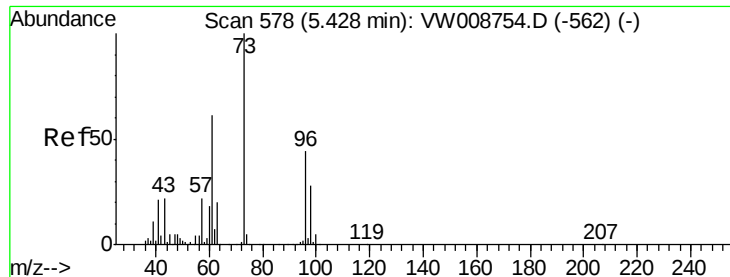
49 124.7 79.2 147.0

86 65.3 43.2 80.2



Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW



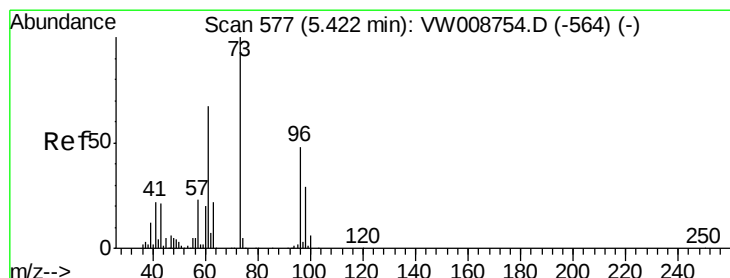
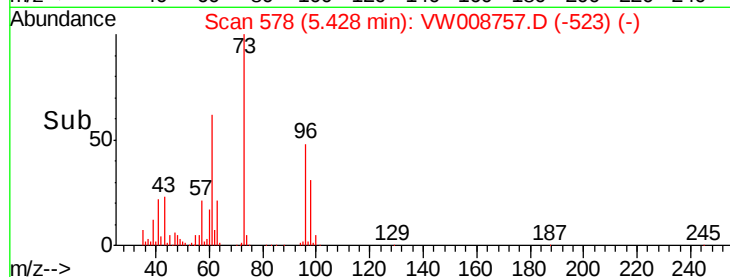
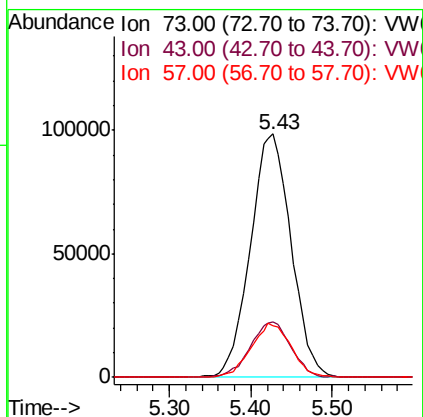
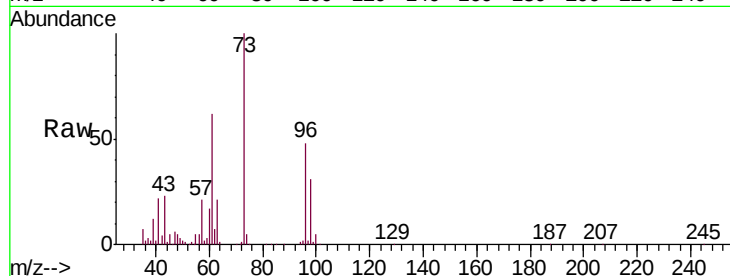


#17

Methyl tert-butyl Ether
 Concen: 22.905 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW008757.D
 Acq: 20 Feb 2019 13:40

Instrument :
 MSVOA_W
 ClientSampled :
 VICV06

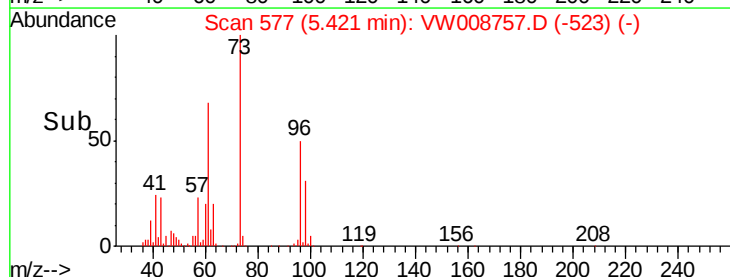
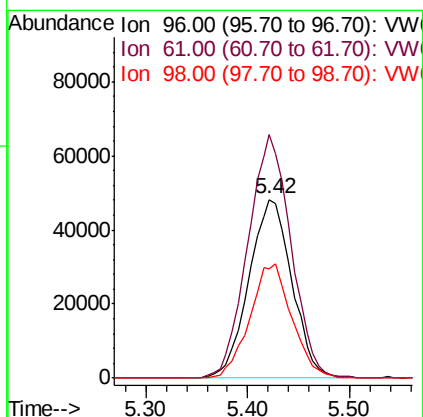
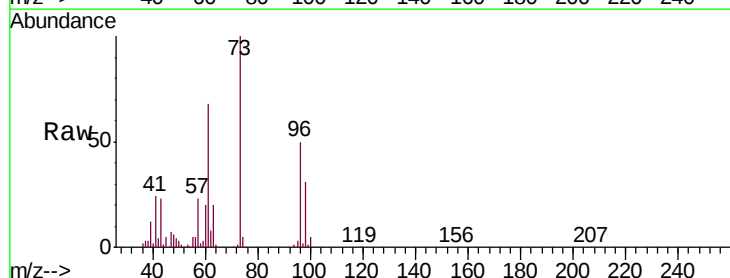
Tgt Ion: 73 Resp: 341838
 Ion Ratio Lower Upper
 73 100
 43 22.7 18.5 27.7
 57 21.8 16.4 24.6

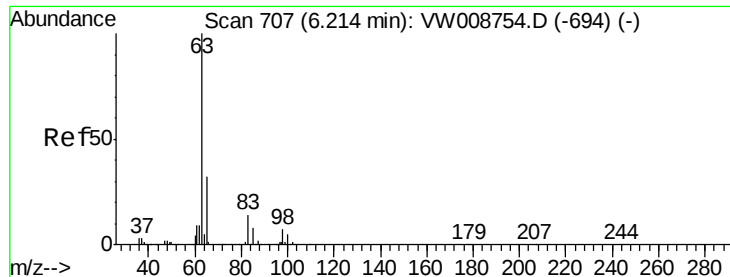


#18

trans-1,2-Dichloroethene
 Concen: 24.146 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW008757.D
 Acq: 20 Feb 2019 13:40

Tgt Ion: 96 Resp: 141073
 Ion Ratio Lower Upper
 96 100
 61 136.1 91.4 169.8
 98 61.3 48.0 89.2





#19

1,1-Dichloroethane

Concen: 23.782 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

Instrument :

MSVOA_W

ClientSampleId :

VICV06

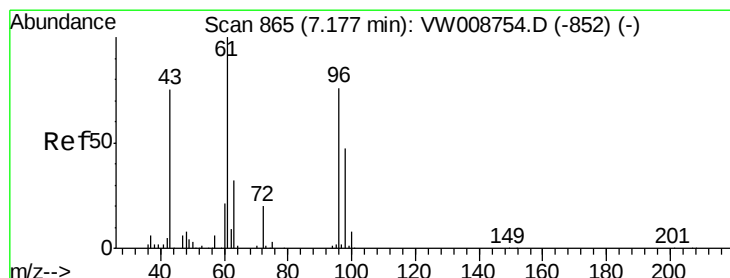
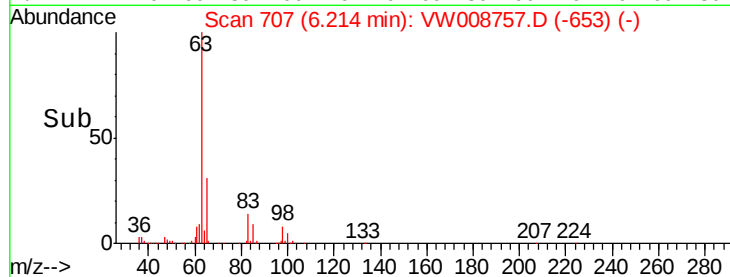
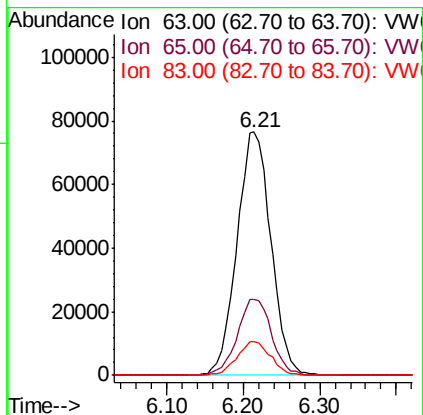
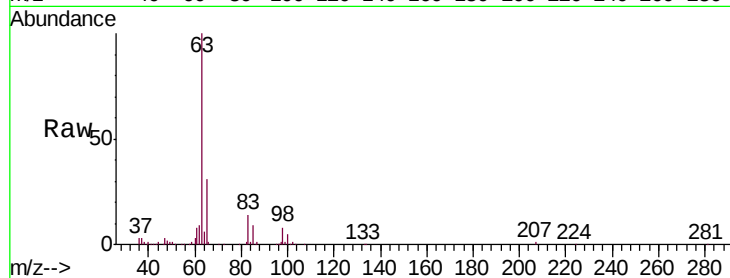
Tgt Ion: 63 Resp: 235925

Ion Ratio Lower Upper

63 100

65 31.1 20.6 38.4

83 13.9 10.0 18.6



#21

2-Butanone

Concen: 52.747 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008757.D

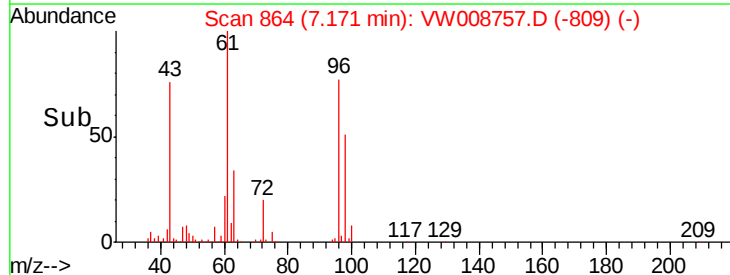
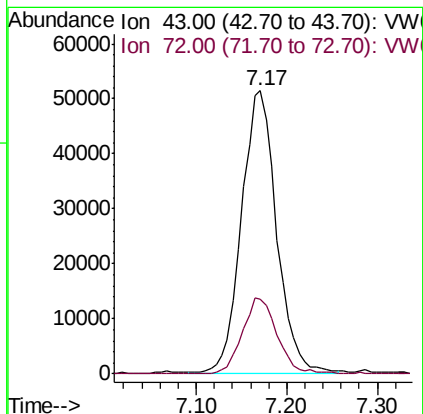
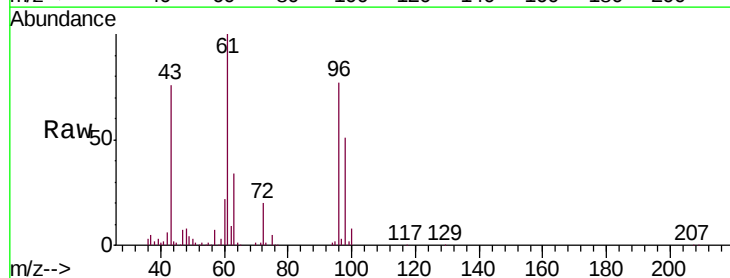
Acq: 20 Feb 2019 13:40

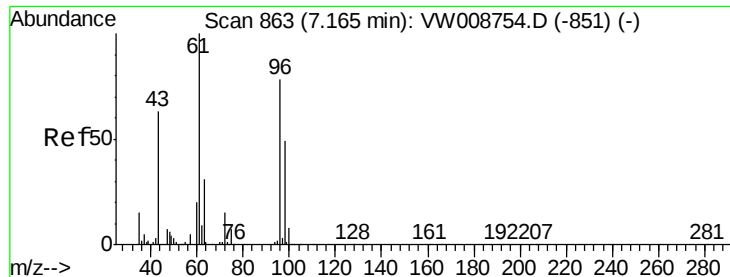
Tgt Ion: 43 Resp: 138194

Ion Ratio Lower Upper

43 100

72 25.9 14.4 43.4



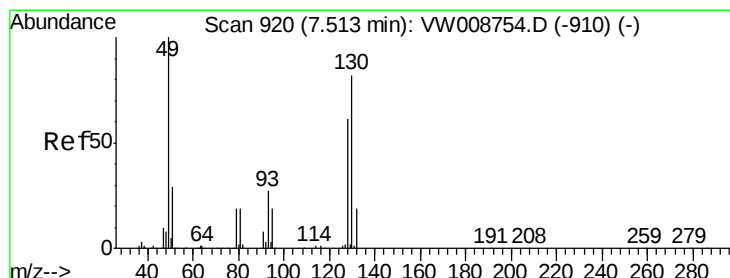
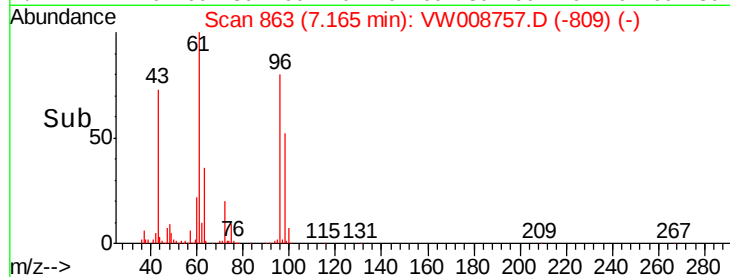
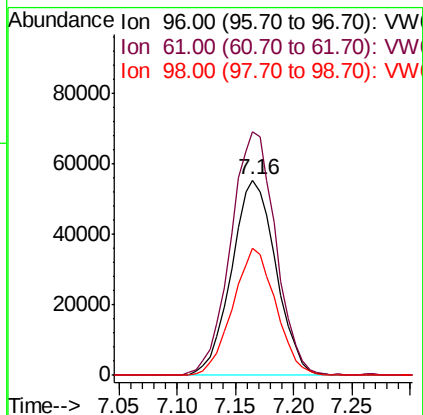
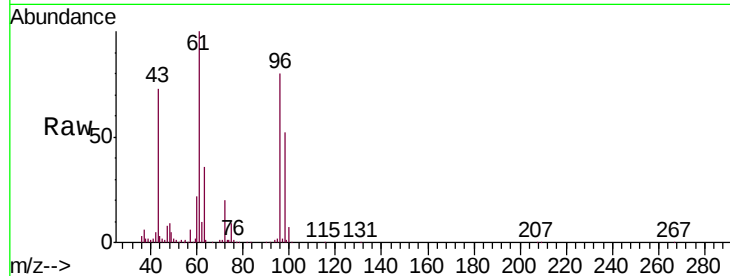


#22

cis-1,2-Dichloroethene
 Concen: 23.368 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW008757.D
 Acq: 20 Feb 2019 13:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV06

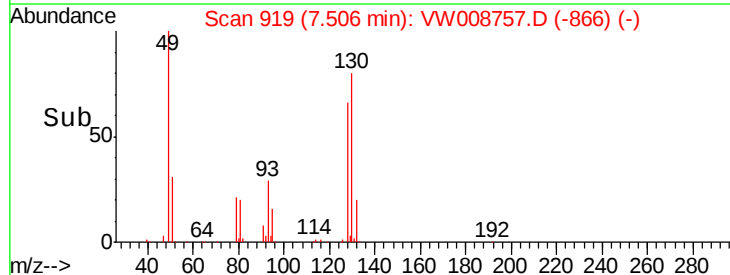
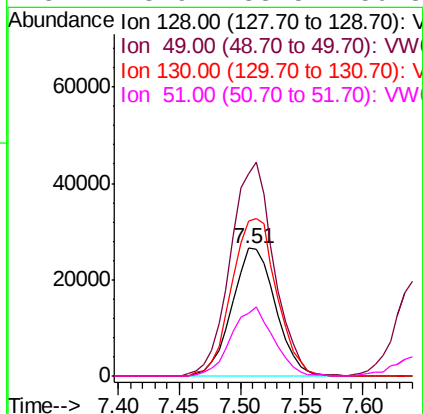
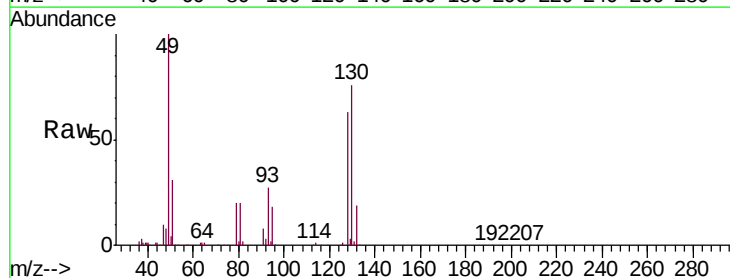
Tgt Ion	Ratio	Lower	Upper
96	100		
61	124.7	83.4	155.0
98	65.1	42.3	78.5

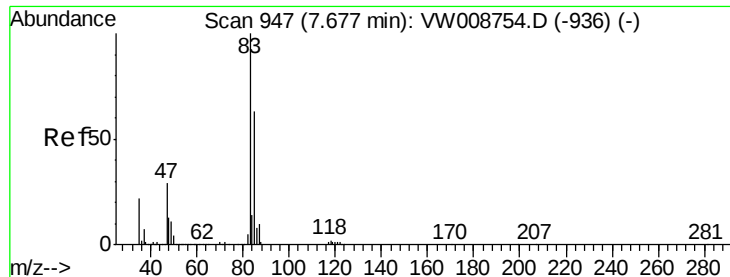


#23

Bromochloromethane
 Concen: 22.957 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW008757.D
 Acq: 20 Feb 2019 13:40

Tgt Ion	Ratio	Lower	Upper
128	100		
49	158.5	96.9	180.1
130	121.1	86.2	160.0
51	48.9	33.5	50.3





#25

Chloroform

Concen: 23.326 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

Instrument :

MSVOA_W

ClientSampled :

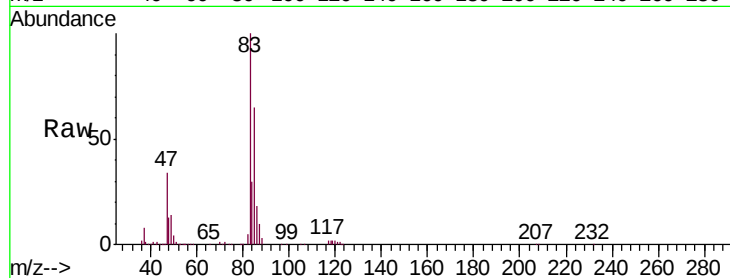
VICV06

Tgt Ion: 83 Resp: 243591

Ion Ratio Lower Upper

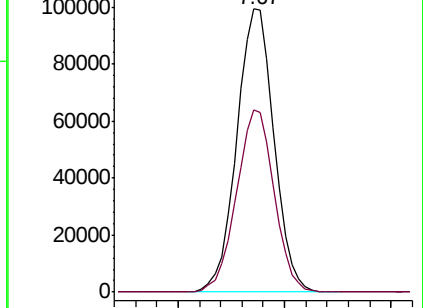
83 100

85 65.3 45.8 85.2

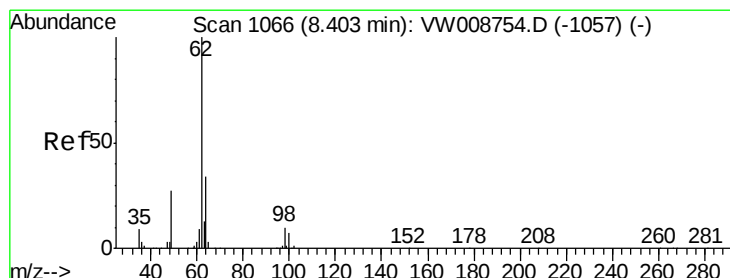
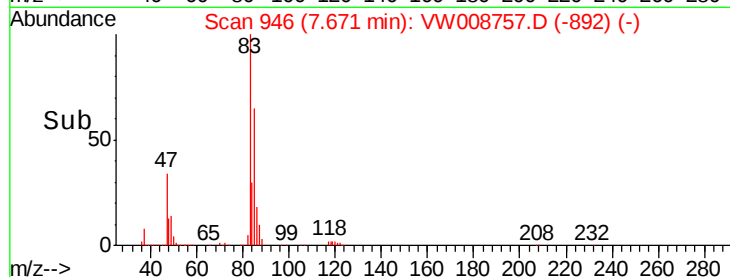


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



Time-->



#27

1,2-Dichloroethane

Concen: 23.004 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW008757.D

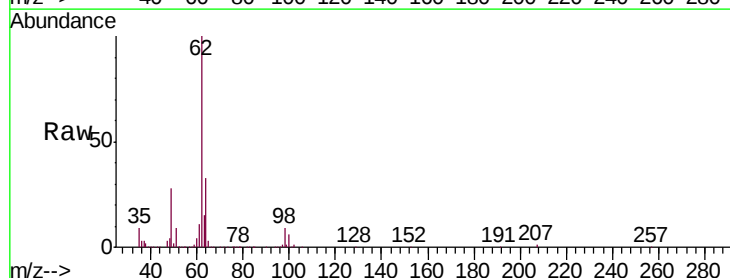
Acq: 20 Feb 2019 13:40

Tgt Ion: 62 Resp: 174702

Ion Ratio Lower Upper

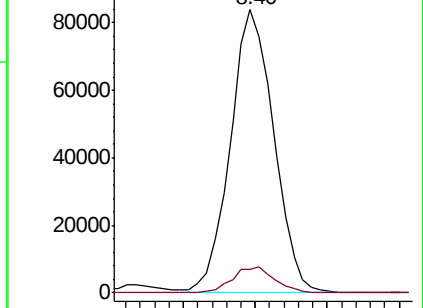
62 100

98 8.5 5.4 8.2#

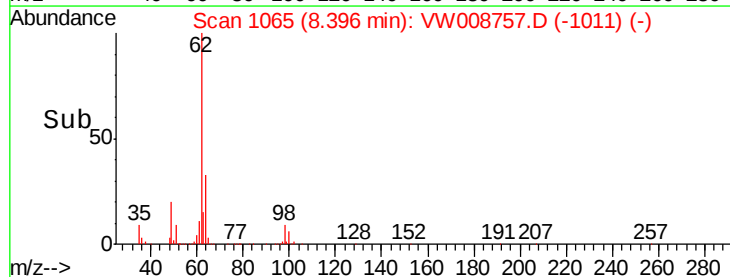


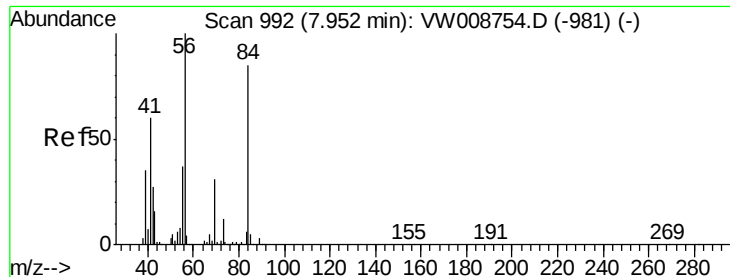
Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW



Time-->

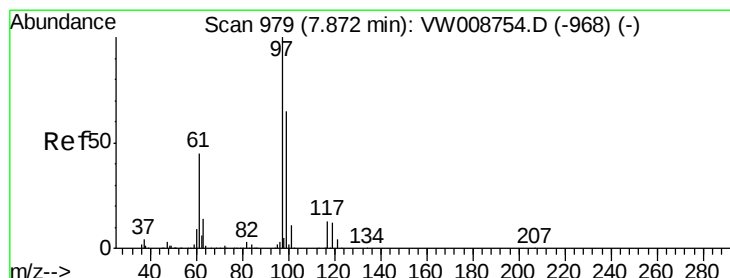
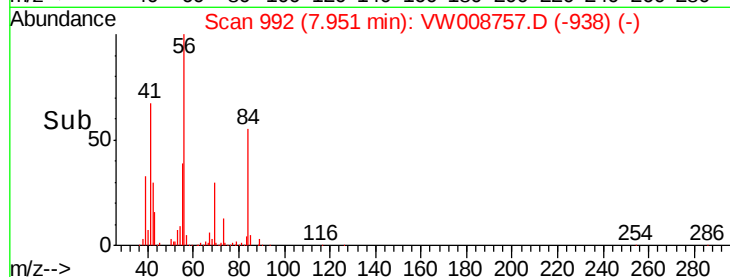
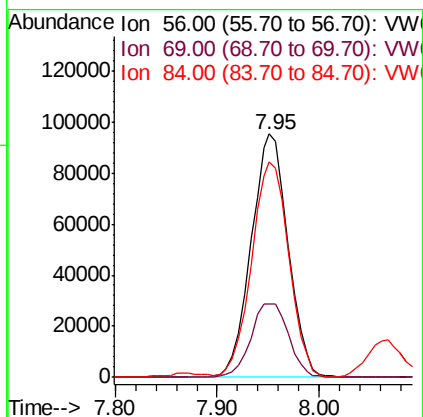
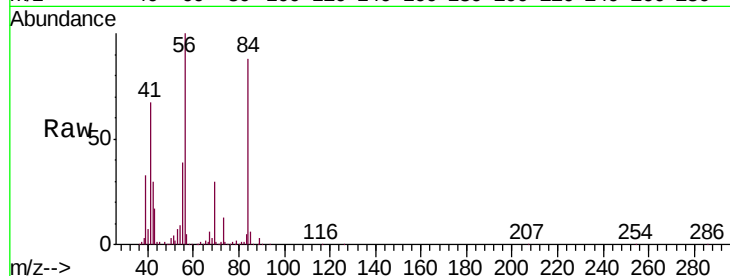




#30
Cyclohexane
Concen: 24.619 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008757.D
Acq: 20 Feb 2019 13:40

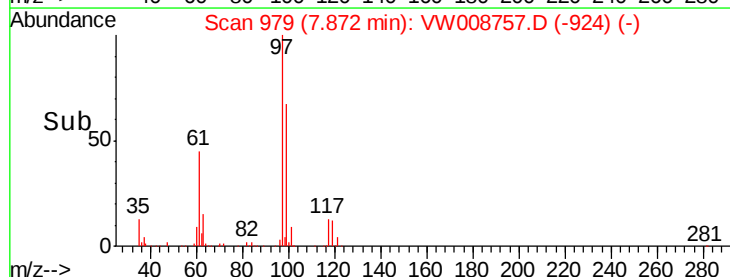
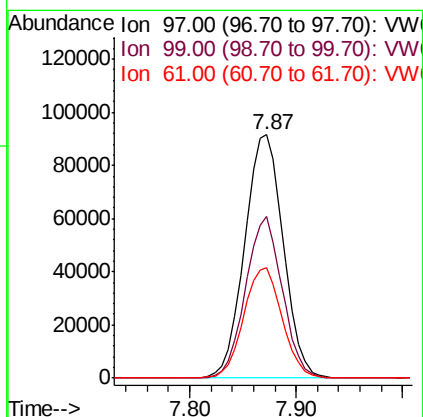
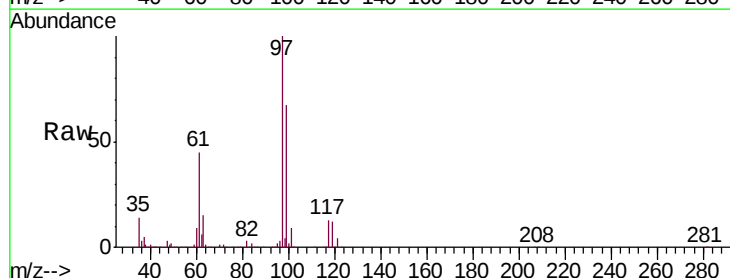
Instrument :
MSVOA_W
ClientSampleId :
VICV06

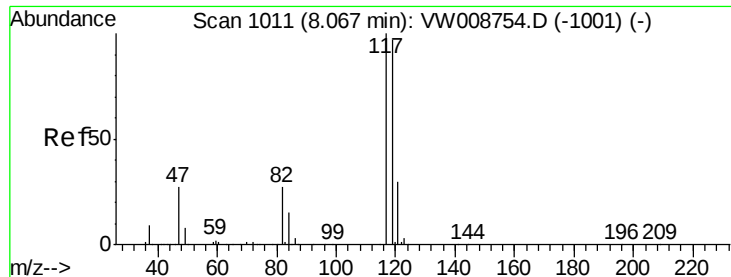
Tgt Ion: 56 Resp: 239191
Ion Ratio Lower Upper
56 100
69 31.1 26.2 39.4
84 89.6 74.3 111.5



#31
1,1,1-Trichloroethane
Concen: 24.488 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW008757.D
Acq: 20 Feb 2019 13:40

Tgt Ion: 97 Resp: 233350
Ion Ratio Lower Upper
97 100
99 62.9 52.3 78.5
61 45.1 33.5 50.3





#32

Carbon tetrachloride

Concen: 24.236 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

Instrument :

MSVOA_W

ClientSampleId :

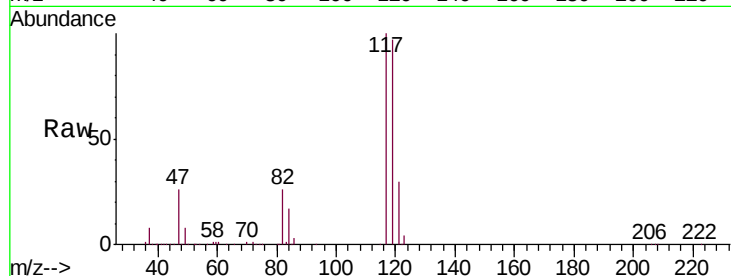
VICV06

Tgt Ion:117 Resp: 211072

Ion Ratio Lower Upper

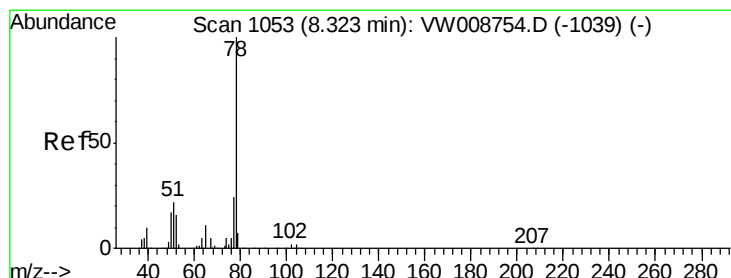
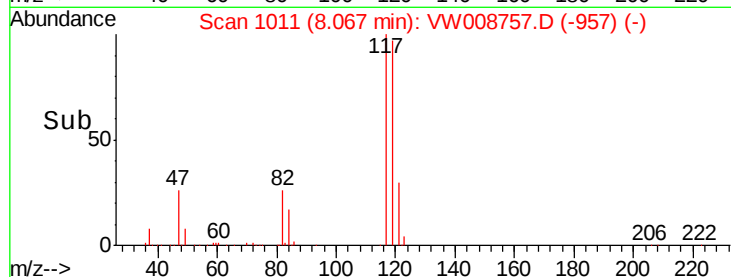
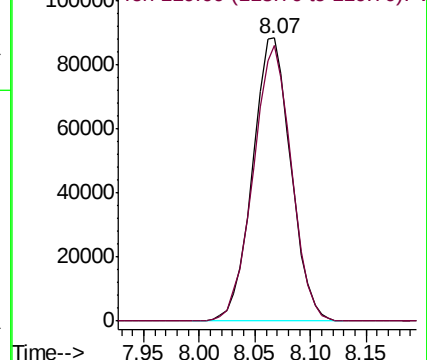
117 100

119 97.3 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.495 ug/L

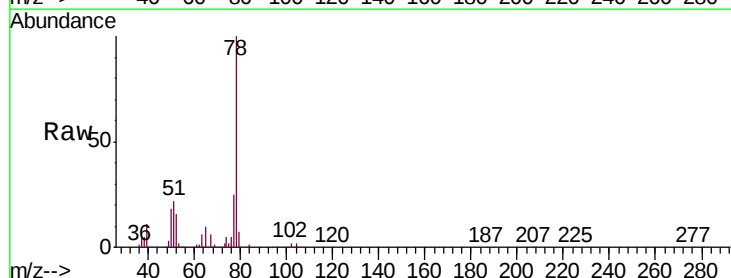
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

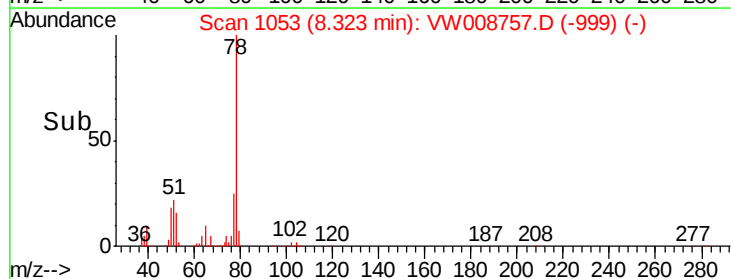
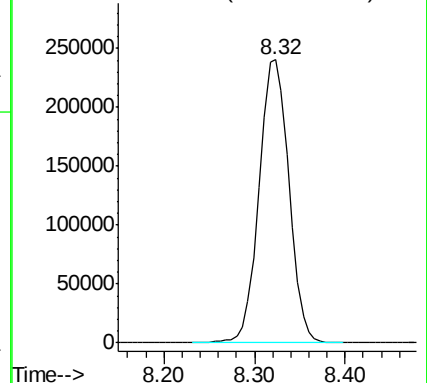
Lab File: VW008757.D

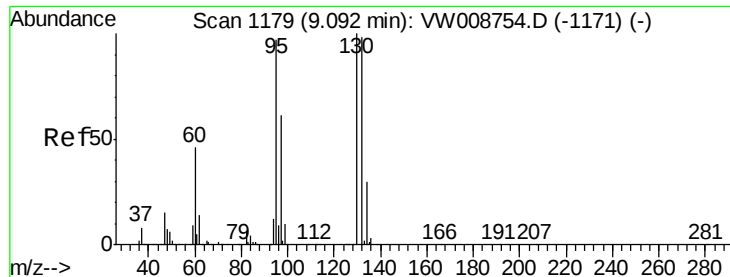
Acq: 20 Feb 2019 13:40

Tgt Ion: 78 Resp: 548511



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.933 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

Instrument :

MSVOA_W

ClientSampleId :

VICV06

Tgt Ion: 95 Resp: 144651

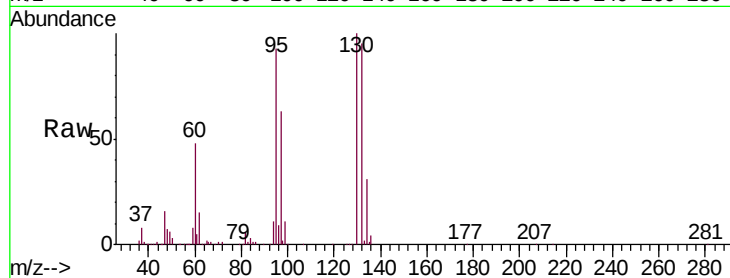
Ion Ratio Lower Upper

95 100

97 65.6 44.4 82.5

132 101.6 67.8 126.0

130 107.1 70.3 130.7

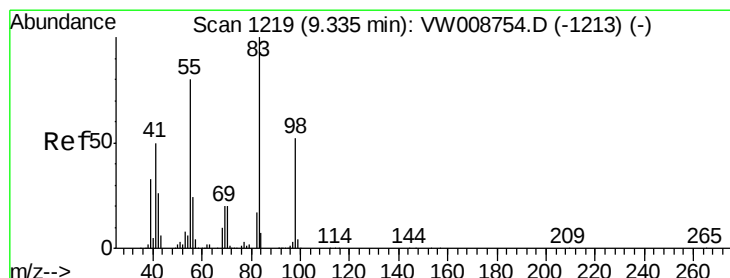
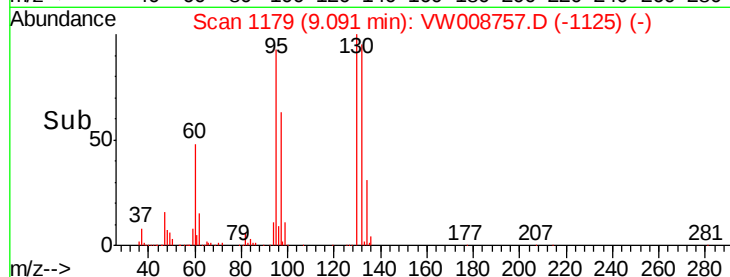
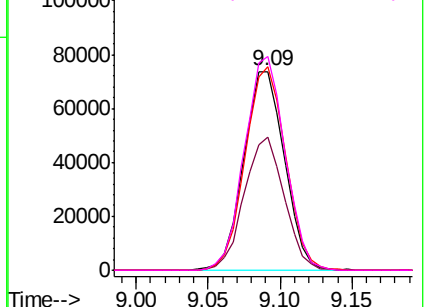


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 25.046 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

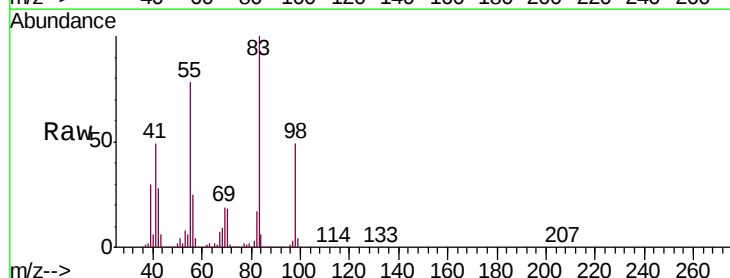
Tgt Ion: 83 Resp: 268612

Ion Ratio Lower Upper

83 100

55 76.8 59.4 89.0

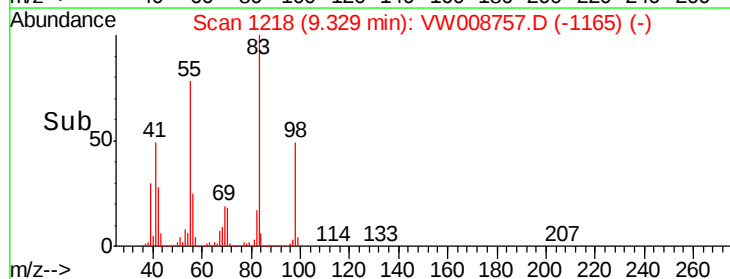
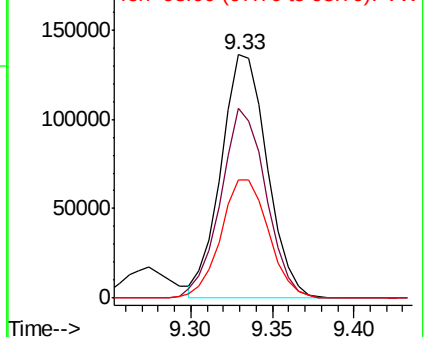
98 50.5 38.2 57.2

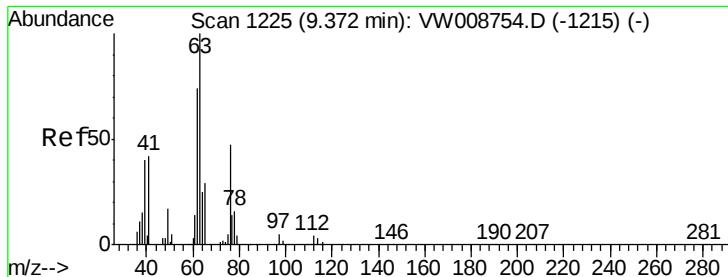


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.335 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

Instrument :

MSVOA_W

ClientSampleId :

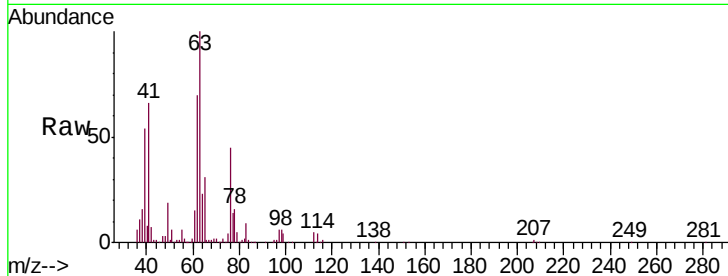
VICV06

Tgt Ion: 63 Resp: 134608

Ion Ratio Lower Upper

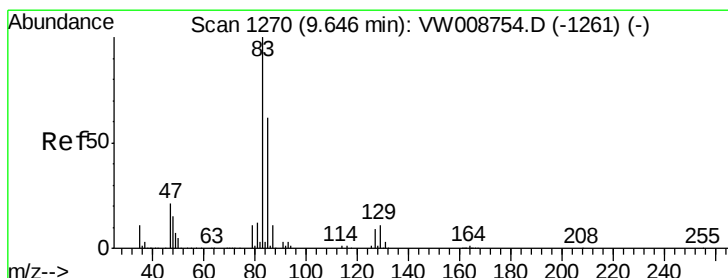
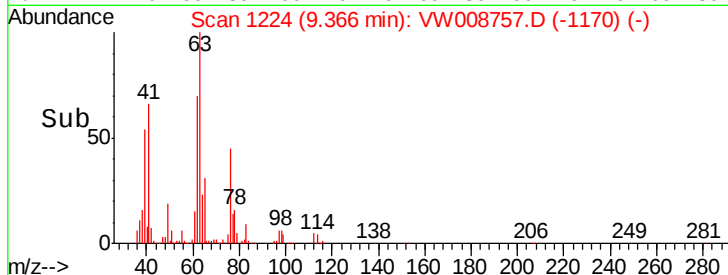
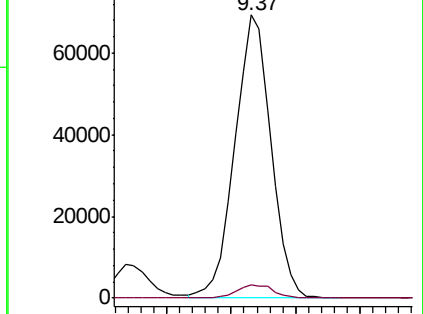
63 100

112 4.7 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 23.567 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

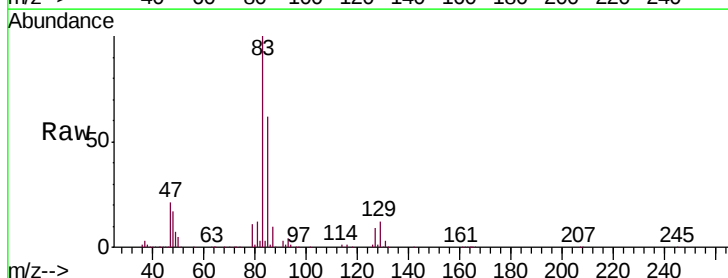
Tgt Ion: 83 Resp: 177255

Ion Ratio Lower Upper

83 100

85 62.3 44.4 82.5

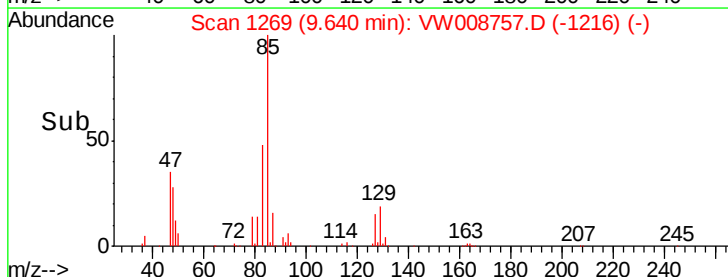
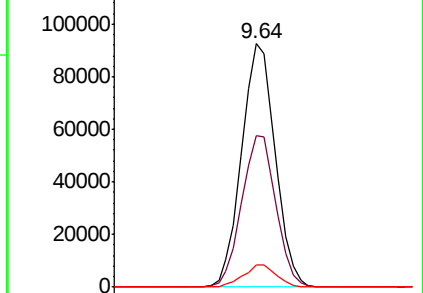
127 9.3 7.0 10.6

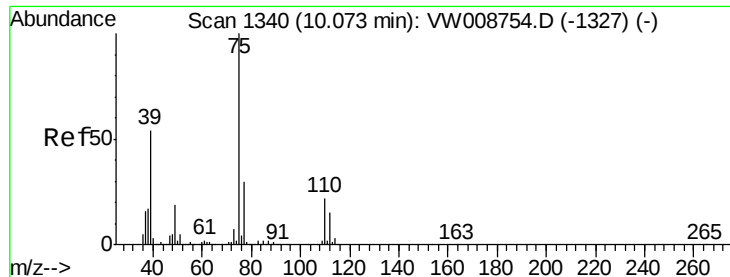


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 24.044 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

Instrument :

MSVOA_W

ClientSampled :

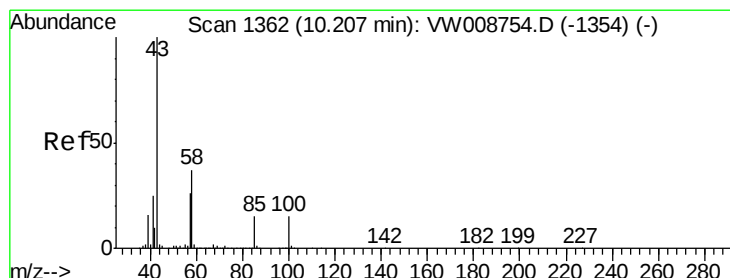
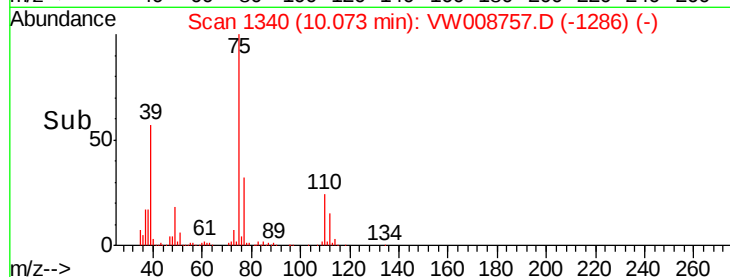
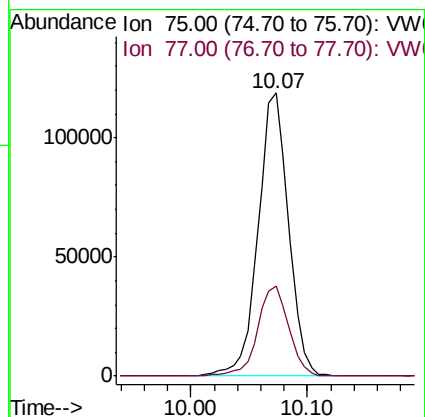
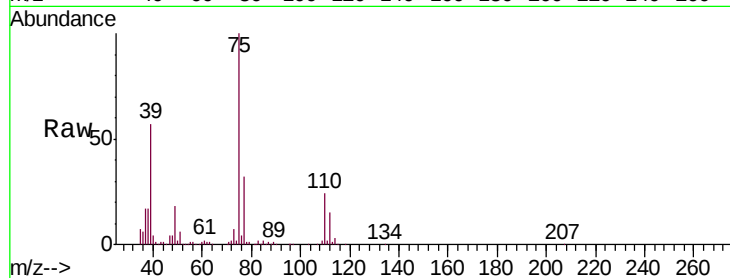
VICV06

Tgt Ion: 75 Resp: 215743

Ion Ratio Lower Upper

75 100

77 32.0 23.0 42.8



#43

4-Methyl-2-pentanone

Concen: 50.243 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

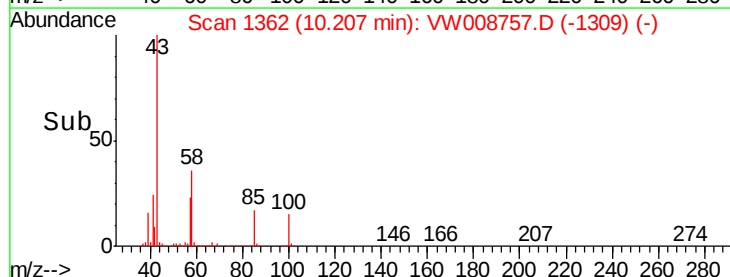
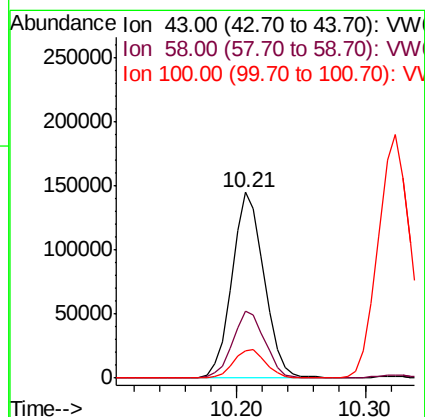
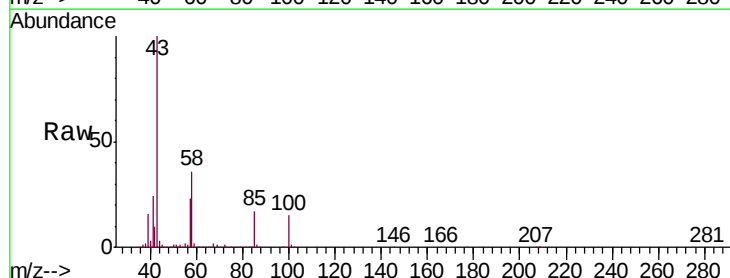
Tgt Ion: 43 Resp: 250985

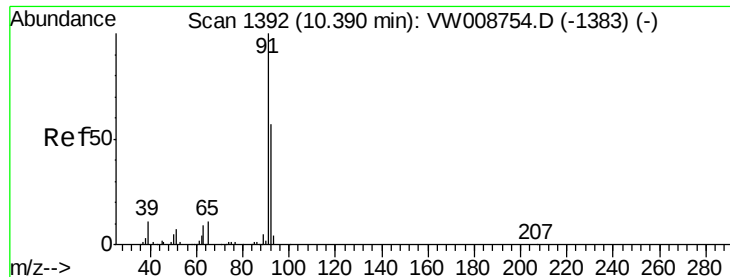
Ion Ratio Lower Upper

43 100

58 36.4 31.1 46.7

100 15.4 14.0 21.0





#44

Toluene

Concen: 24.884 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

Instrument :

MSVOA_W

ClientSampled :

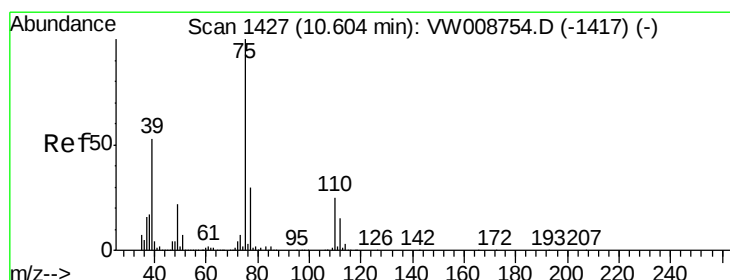
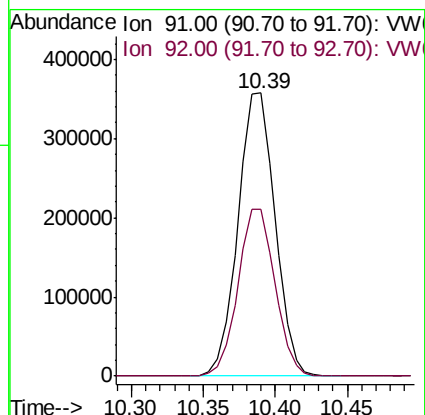
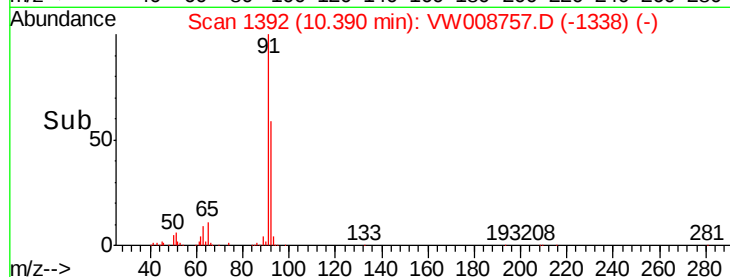
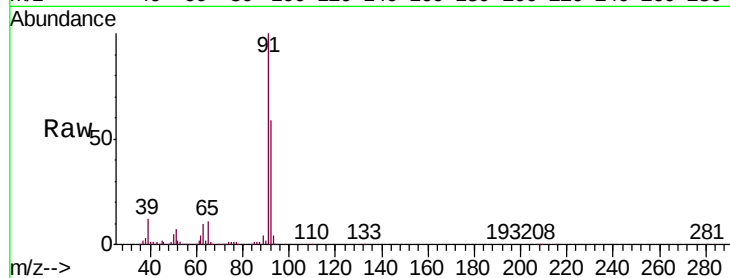
VICV06

Tgt Ion: 91 Resp: 640585

Ion Ratio Lower Upper

91 100

92 59.1 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 24.420 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008757.D

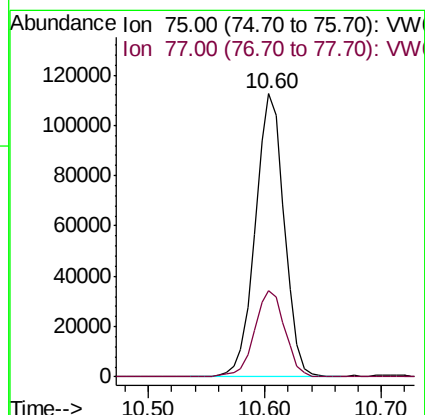
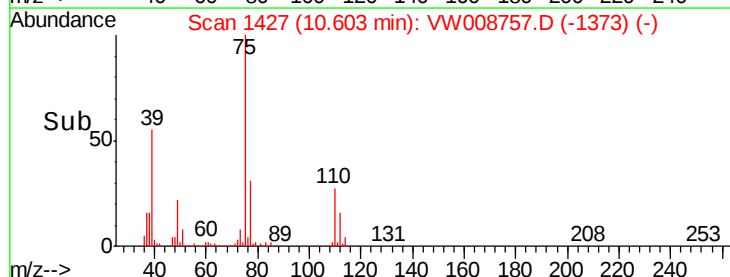
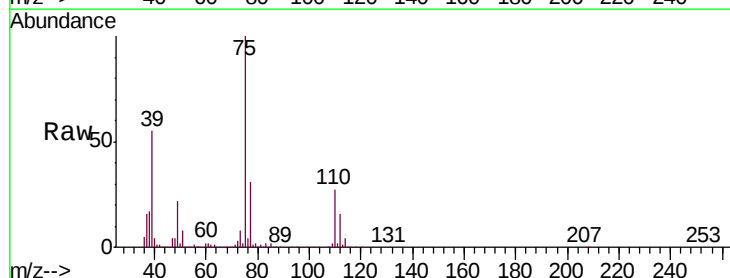
Acq: 20 Feb 2019 13:40

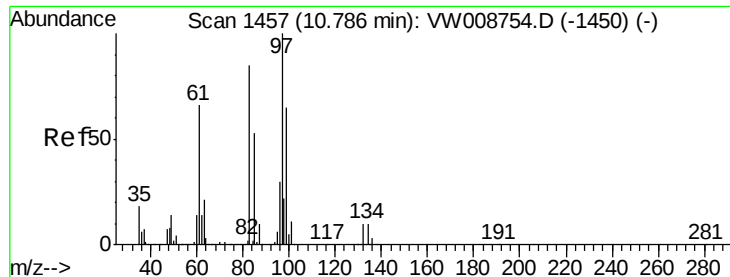
Tgt Ion: 75 Resp: 195660

Ion Ratio Lower Upper

75 100

77 30.5 21.1 39.3





#46

1,1,2-Trichloroethane

Concen: 23.444 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

Instrument :

MSVOA_W

ClientSampleId :

VICV06

Tgt Ion: 97 Resp: 108426

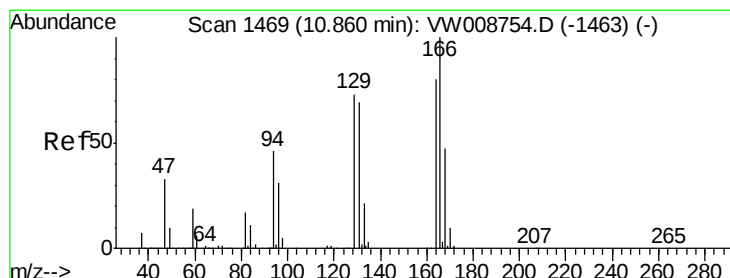
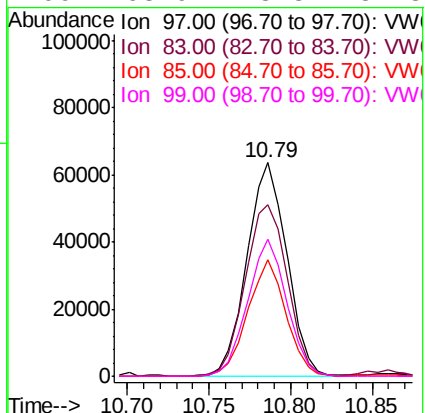
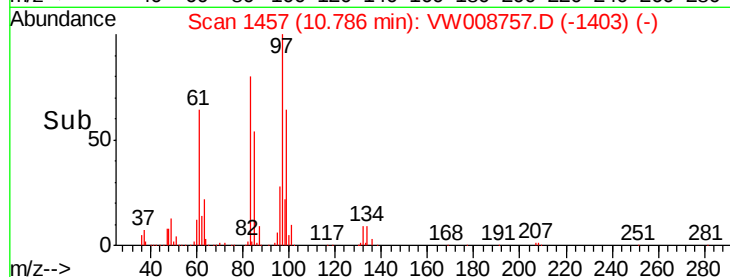
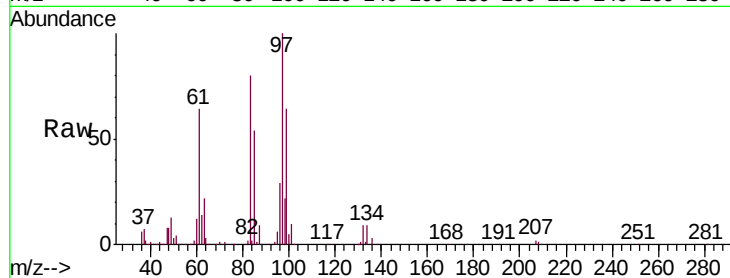
Ion Ratio Lower Upper

97 100

83 80.2 58.4 108.6

85 54.4 36.4 67.6

99 63.9 43.8 81.3



#47

Tetrachloroethene

Concen: 24.705 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

Tgt Ion: 164 Resp: 135935

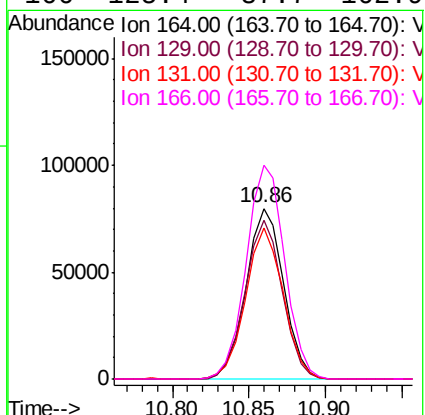
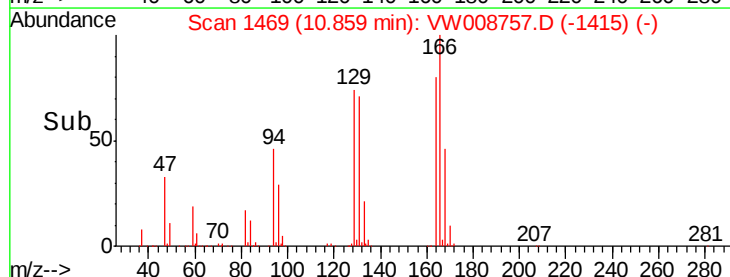
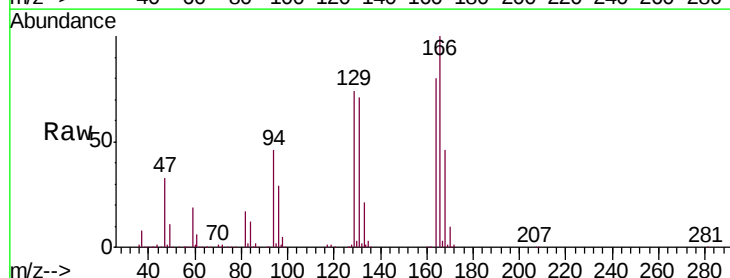
Ion Ratio Lower Upper

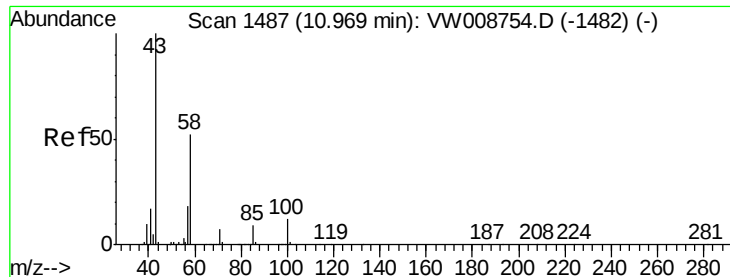
164 100

129 93.2 70.6 131.2

131 88.7 66.5 123.5

166 125.4 87.7 162.9





#49

2-Hexanone

Concen: 51.690 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

Instrument :

MSVOA_W

ClientSampleId :

VICV06

Tgt Ion: 43 Resp: 202540

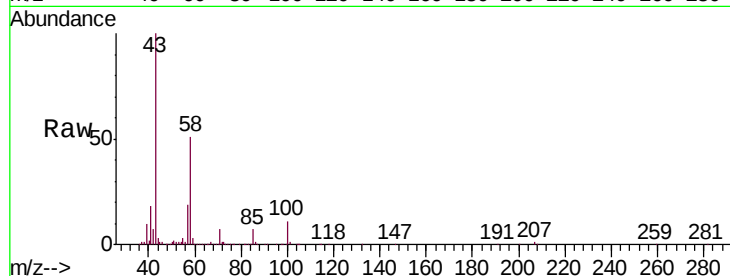
Ion Ratio Lower Upper

43 100

58 54.2 46.2 69.4

57 18.7 17.9 26.9

100 12.4 11.4 17.2

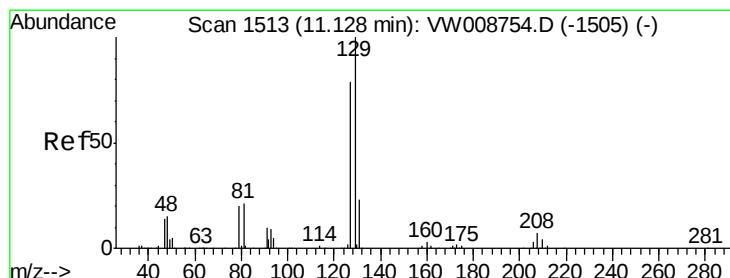
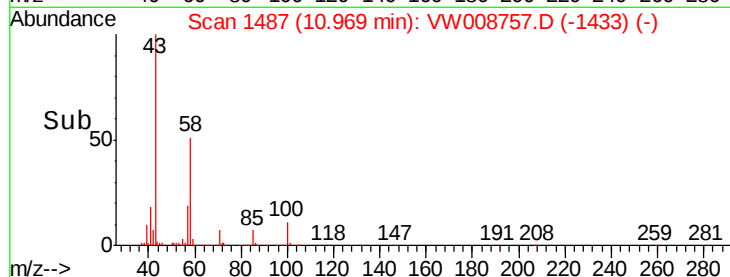
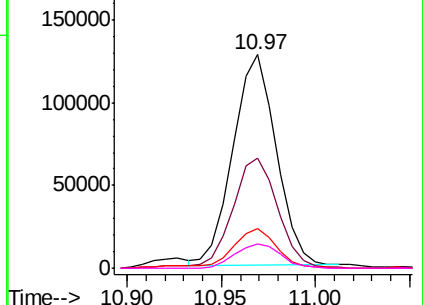


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 23.711 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW008757.D

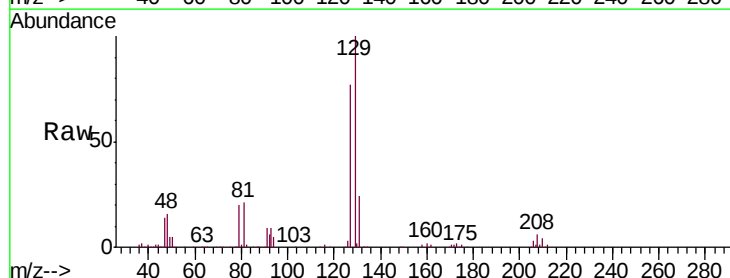
Acq: 20 Feb 2019 13:40

Tgt Ion: 129 Resp: 132943

Ion Ratio Lower Upper

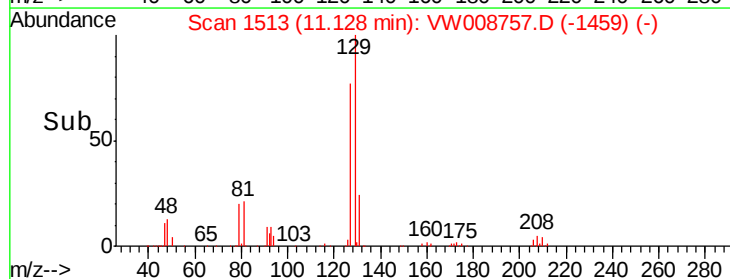
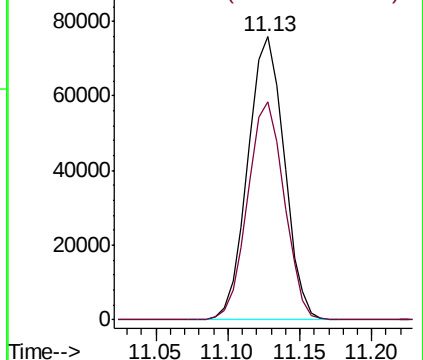
129 100

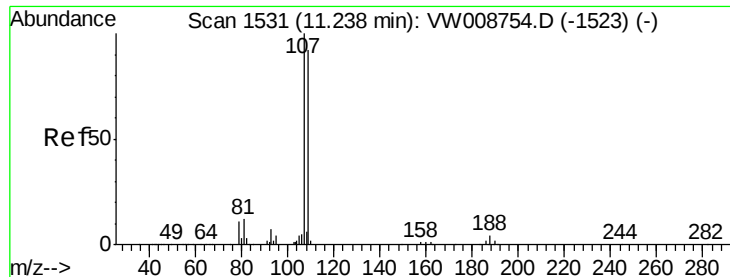
127 77.1 55.8 103.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

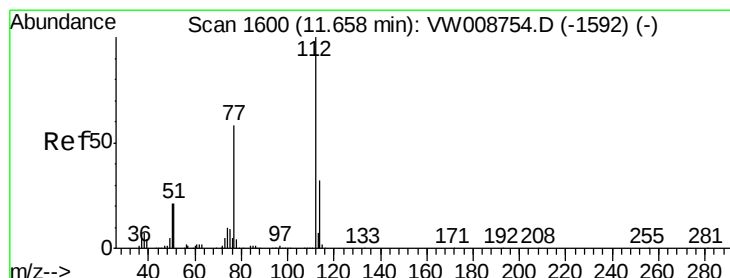
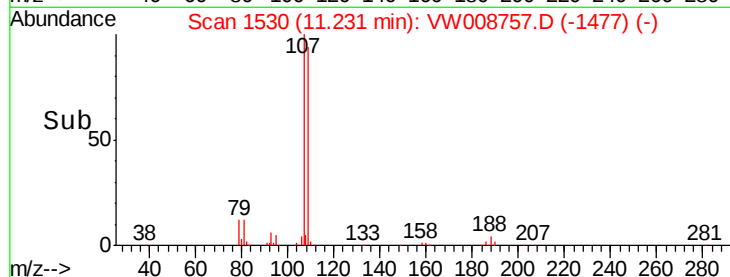
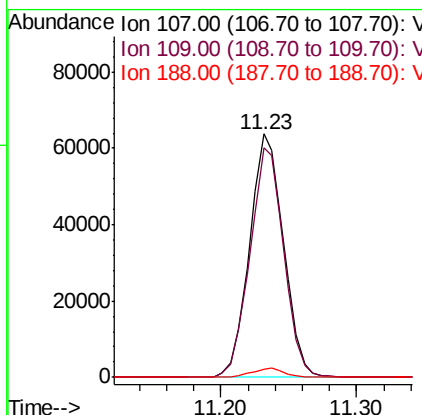
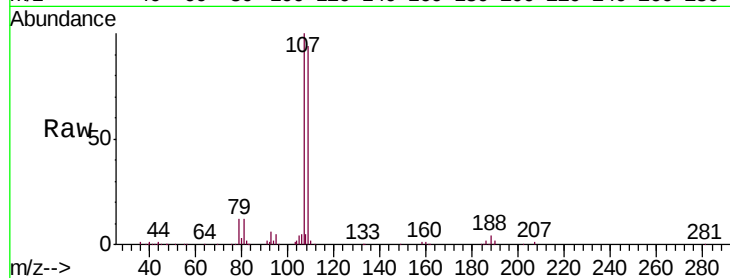




#51
1,2-Dibromoethane
Concen: 23.754 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW008757.D
Acq: 20 Feb 2019 13:40

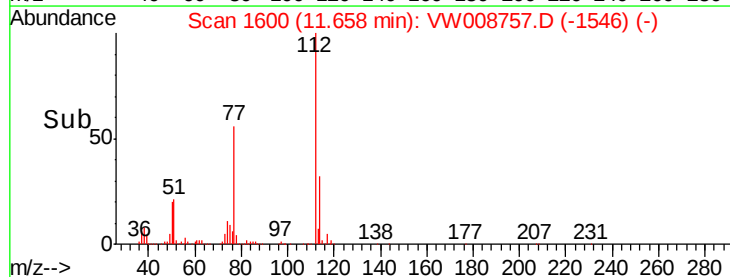
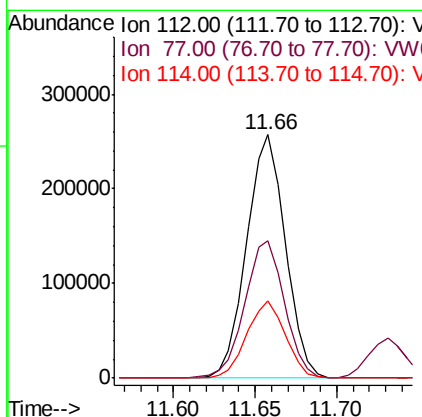
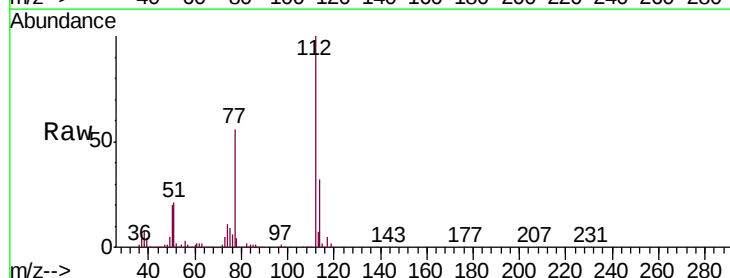
Instrument :
MSVOA_W
ClientSampleId :
VICV06

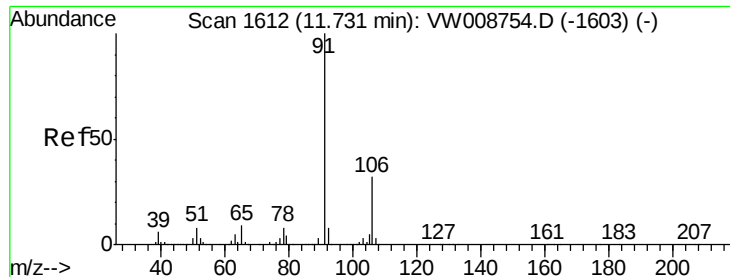
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.4	63.2	117.4
188	3.5	3.1	4.7



#52
Chlorobenzene
Concen: 24.584 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008757.D
Acq: 20 Feb 2019 13:40

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.2	47.8	71.6
114	31.9	22.2	41.2

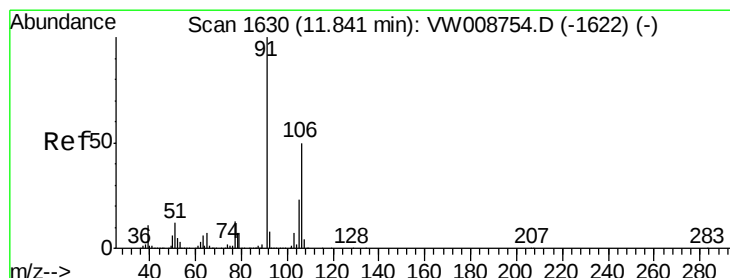
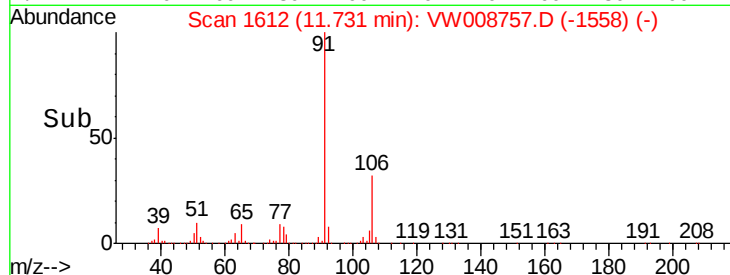
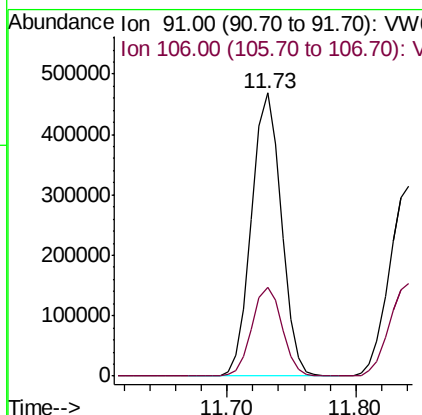
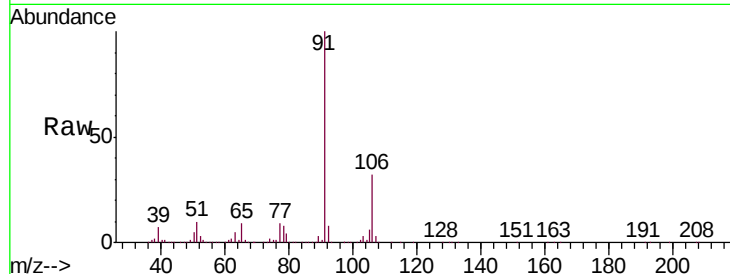




#53
Ethylbenzene
Concen: 25.001 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008757.D
Acq: 20 Feb 2019 13:40

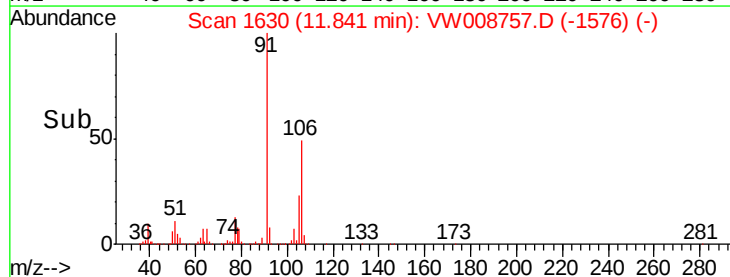
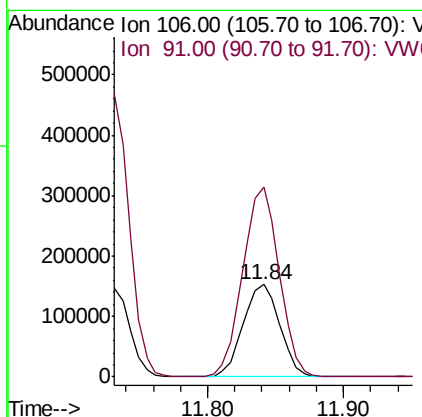
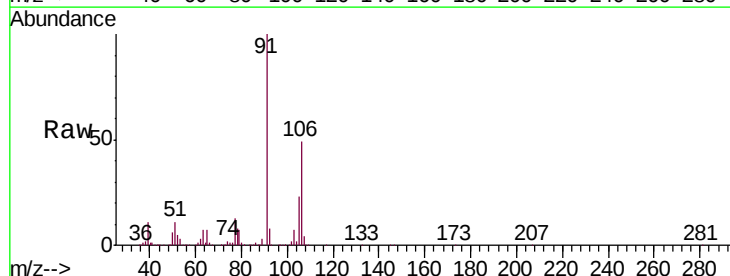
Instrument :
MSVOA_W
ClientSampleId :
VICV06

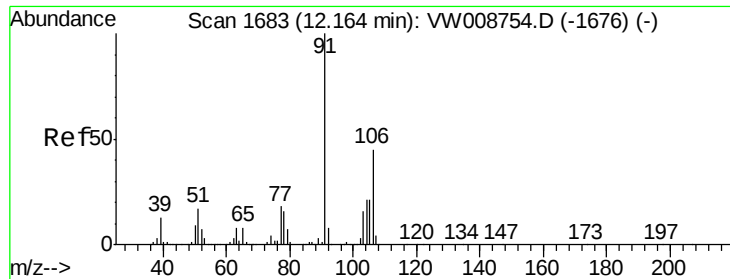
Tgt Ion: 91 Resp: 747823
Ion Ratio Lower Upper
91 100
106 31.6 21.5 39.9



#54
m,p-Xylene
Concen: 24.582 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008757.D
Acq: 20 Feb 2019 13:40

Tgt Ion: 106 Resp: 289140
Ion Ratio Lower Upper
106 100
91 205.1 147.8 274.4





#55

o-xylene

Concen: 24.263 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

Instrument :

MSVOA_W

ClientSampled :

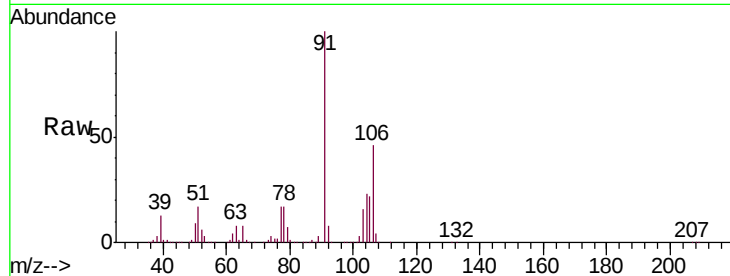
VICV06

Tgt Ion:106 Resp: 274537

Ion Ratio Lower Upper

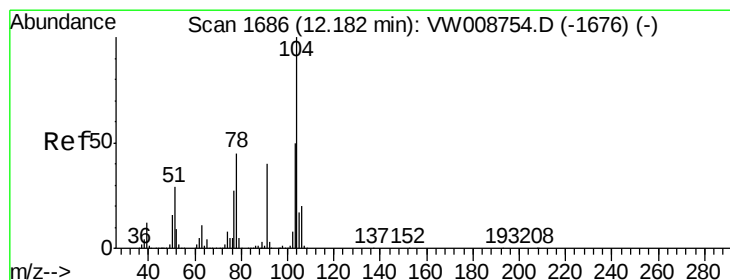
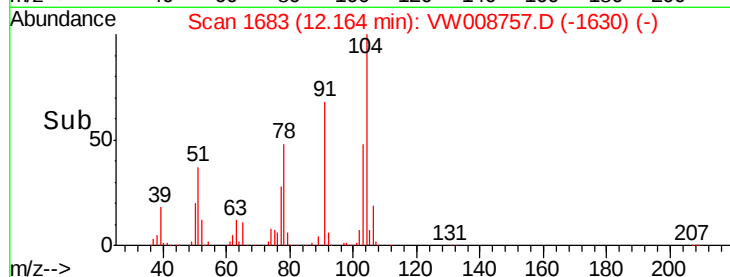
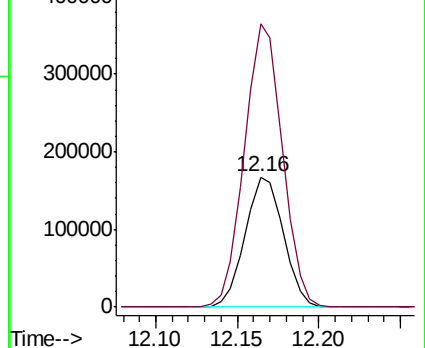
106 100

91 218.0 156.0 289.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.725 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW008757.D

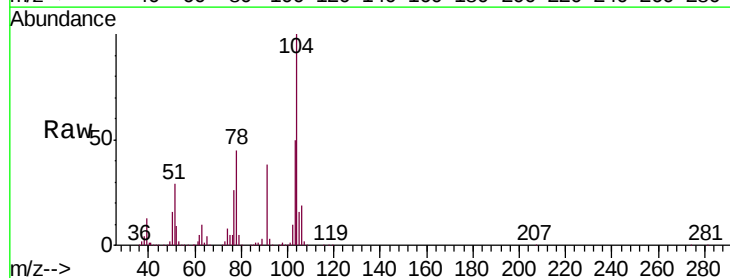
Acq: 20 Feb 2019 13:40

Tgt Ion:104 Resp: 469206

Ion Ratio Lower Upper

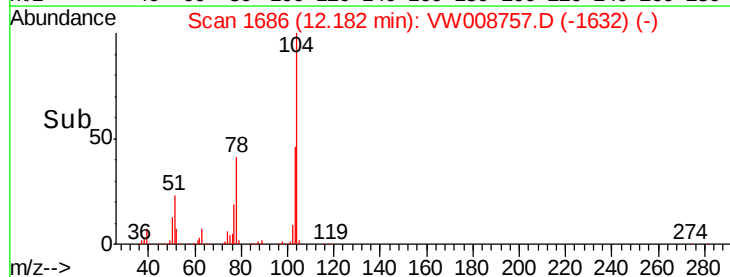
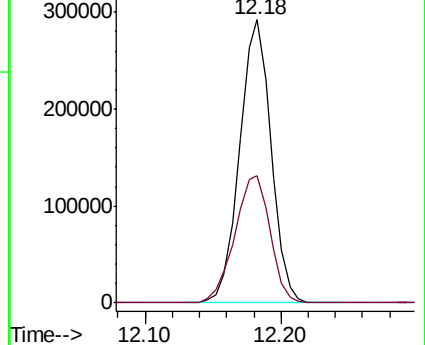
104 100

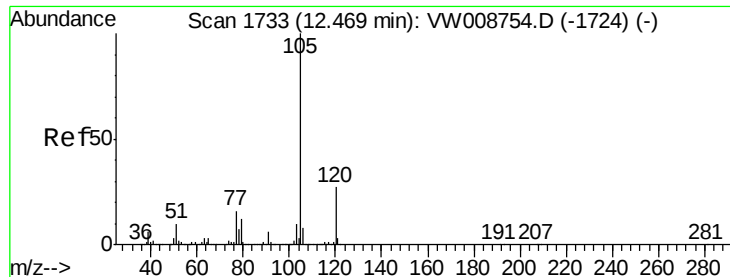
78 45.1 34.6 64.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.010 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

Instrument :

MSVOA_W

ClientSampled :

VICV06

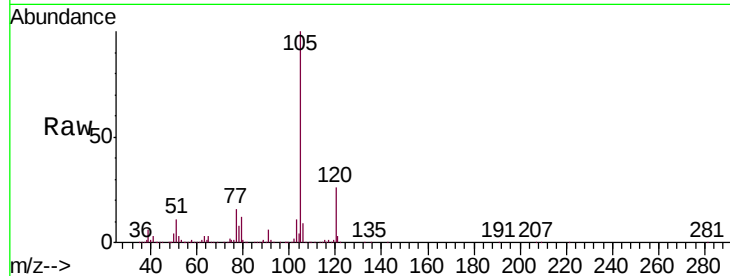
Tgt Ion: 105 Resp: 754914

Ion Ratio Lower Upper

105 100

120 26.8 21.1 31.7

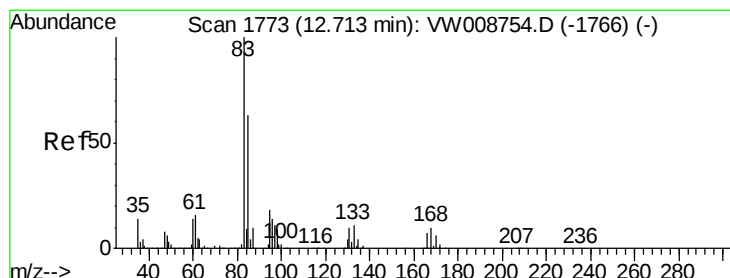
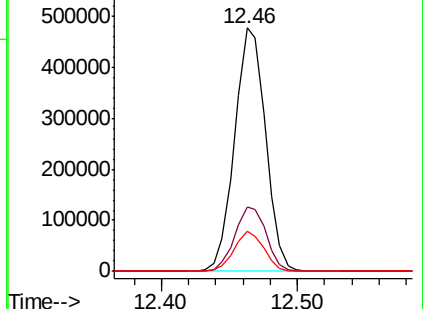
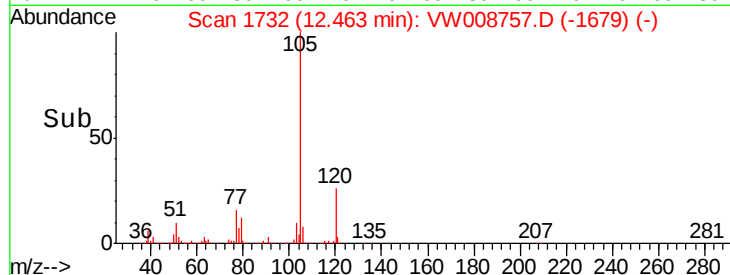
77 15.9 12.4 18.6



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: 24.136 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

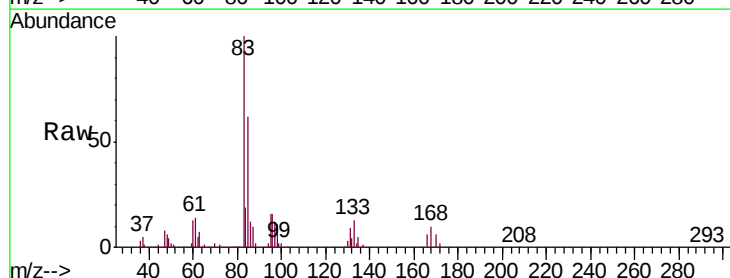
Tgt Ion: 83 Resp: 149759

Ion Ratio Lower Upper

83 100

85 61.5 46.6 86.6

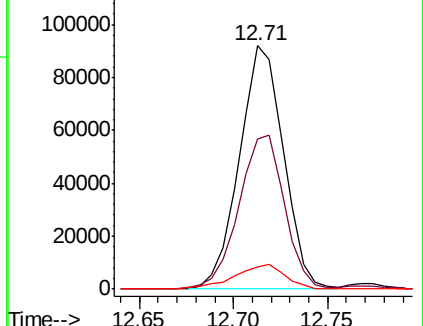
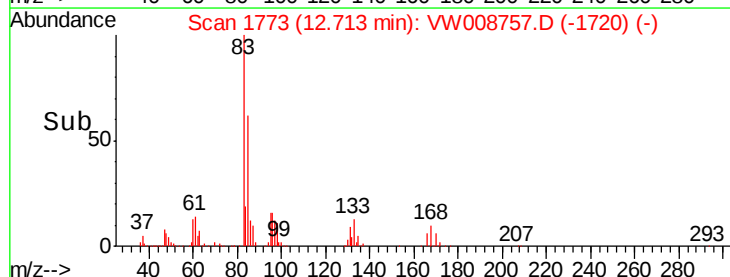
131 9.1 9.7 14.5#

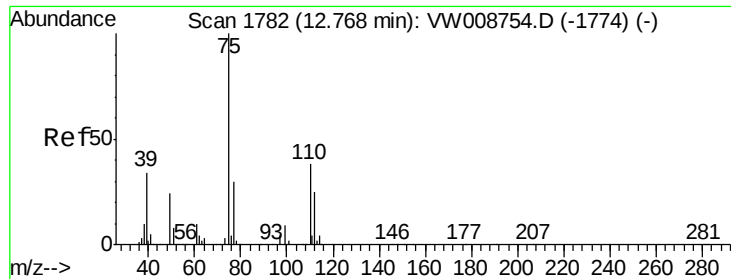


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

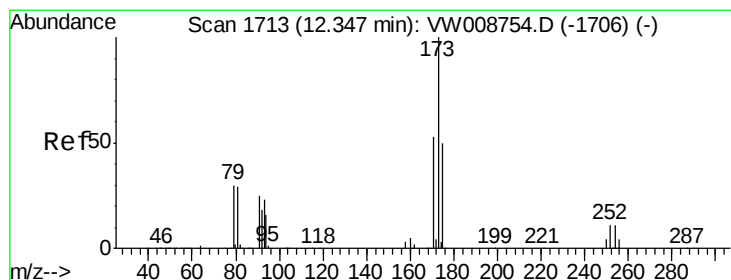
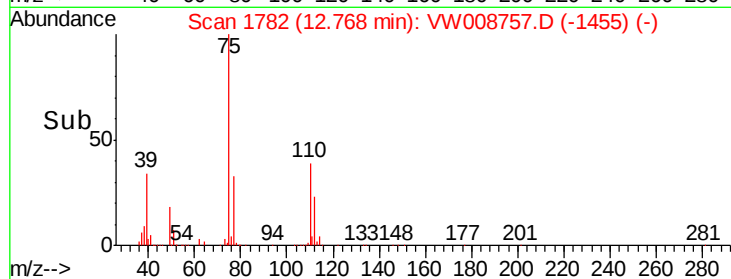
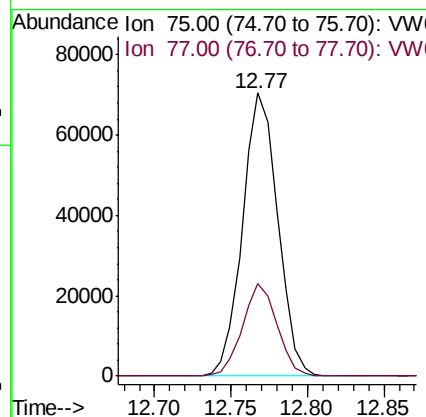
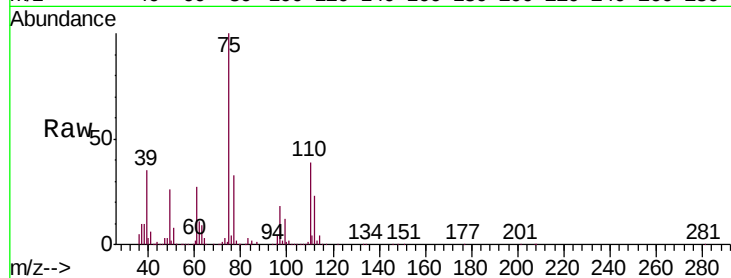




#59
 1,2,3-Trichloropropane
 Concen: 24.602 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW008757.D
 Acq: 20 Feb 2019 13:40

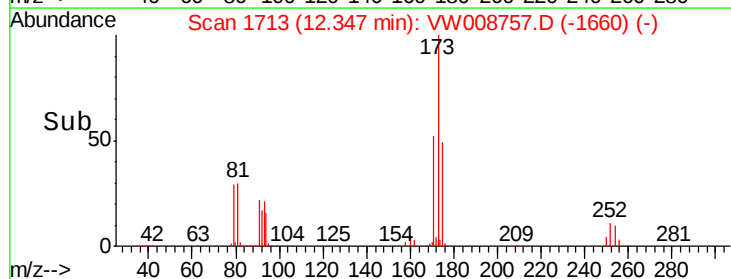
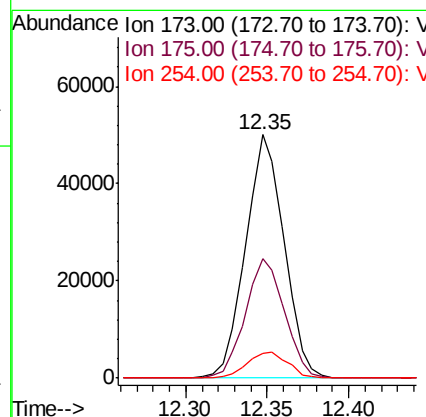
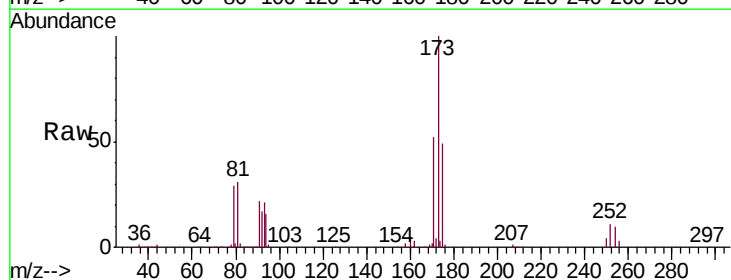
Instrument :
 MSVOA_W
 ClientSampled :
 VICV06

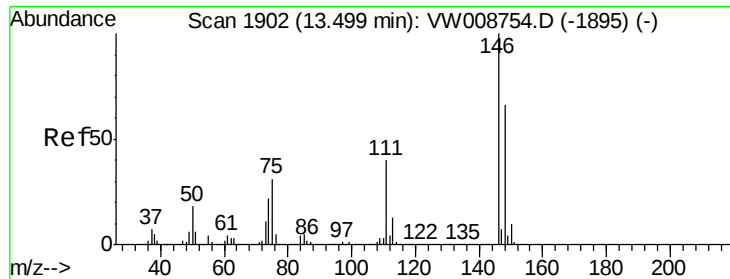
Tgt Ion: 75 Resp: 112865
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.5 38.3



#62
 Bromoform
 Concen: 24.436 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: VW008757.D
 Acq: 20 Feb 2019 13:40

Tgt Ion: 173 Resp: 82456
 Ion Ratio Lower Upper
 173 100
 175 50.1 39.0 58.4
 254 11.2 5.8 8.8#

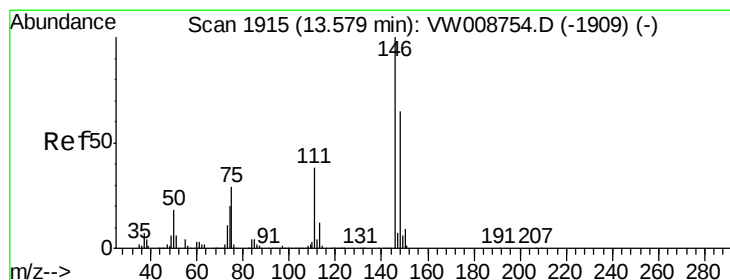
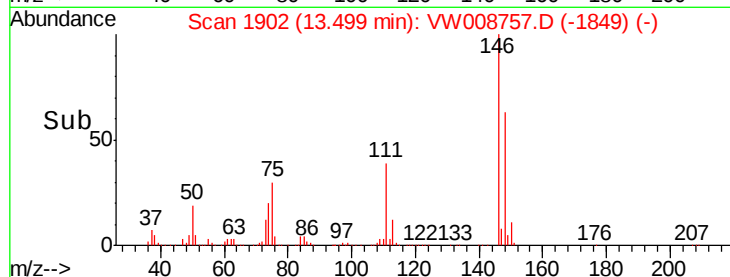
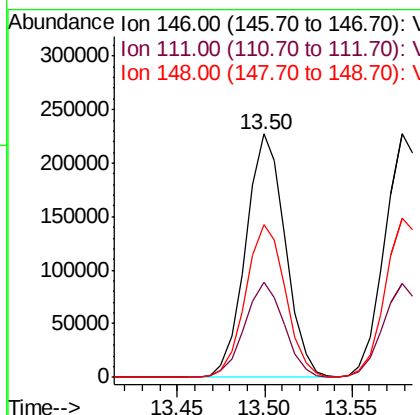
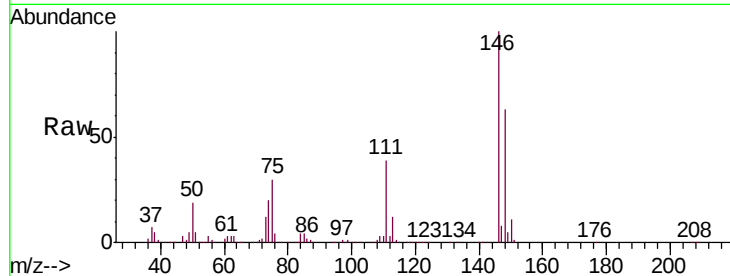




#63
 1,3-Dichlorobenzene
 Concen: 25.183 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008757.D
 Acq: 20 Feb 2019 13:40

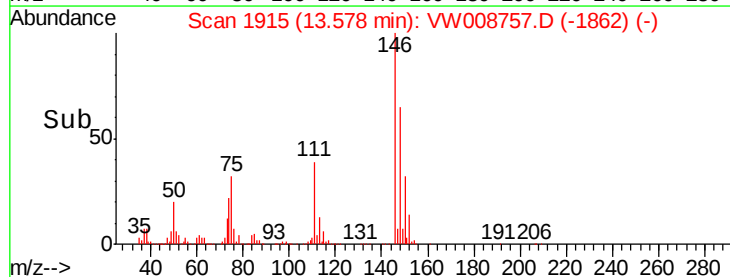
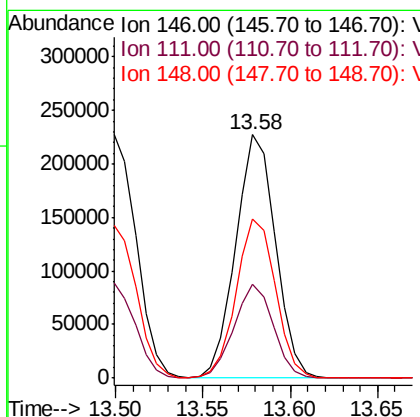
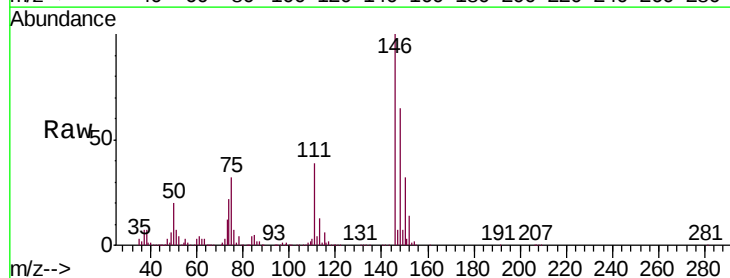
Instrument :
 MSVOA_W
 ClientSampled :
 VICV06

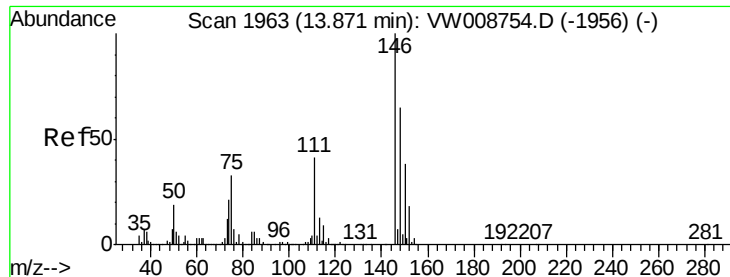
Tgt Ion:146 Resp: 358238
 Ion Ratio Lower Upper
 146 100
 111 39.1 31.0 57.6
 148 63.0 43.6 81.0



#64
 1,4-Dichlorobenzene
 Concen: 25.002 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW008757.D
 Acq: 20 Feb 2019 13:40

Tgt Ion:146 Resp: 361326
 Ion Ratio Lower Upper
 146 100
 111 38.7 26.9 49.9
 148 65.3 41.6 77.3

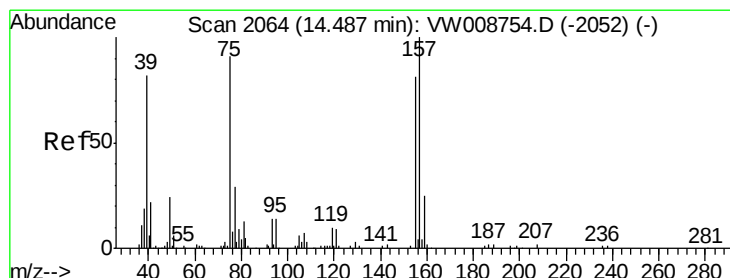
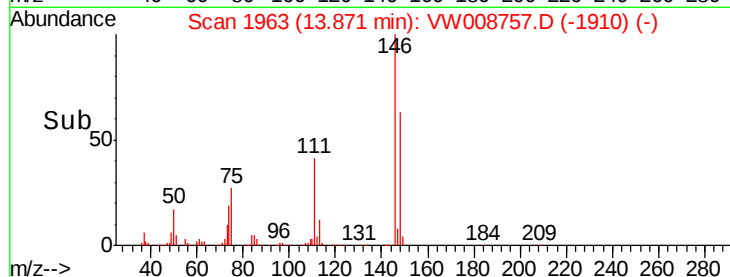
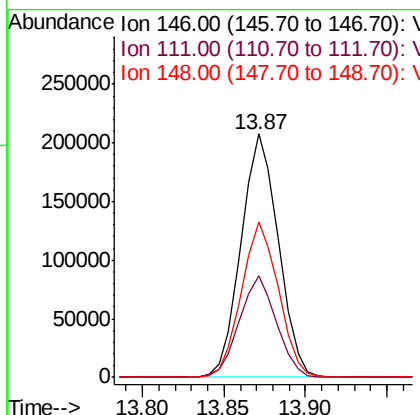
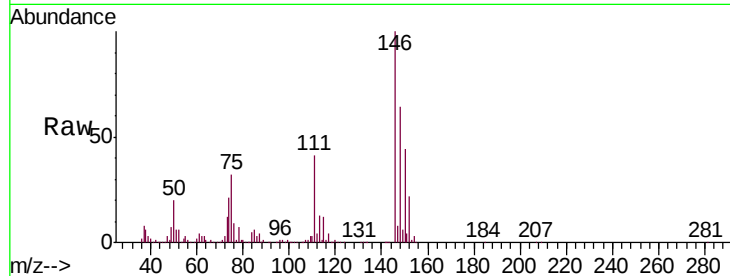




#65
 1,2-Dichlorobenzene
 Concen: 25.128 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW008757.D
 Acq: 20 Feb 2019 13:40

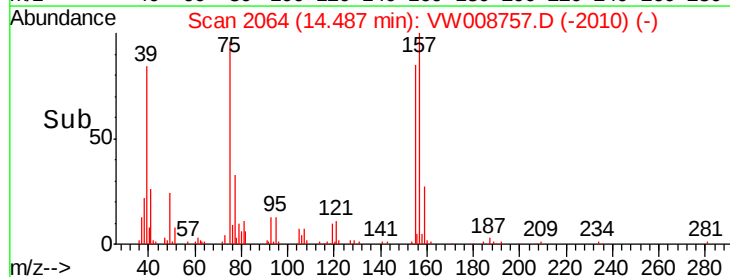
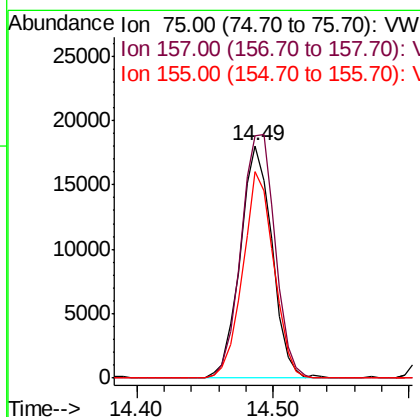
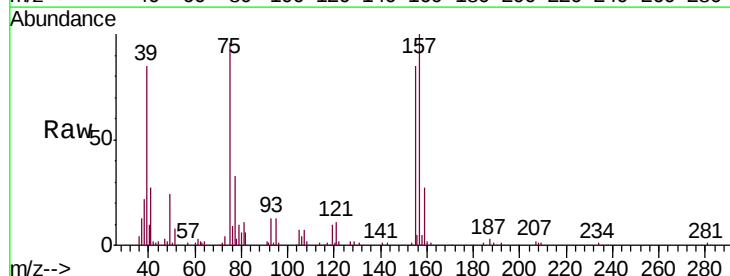
Instrument :
 MSVOA_W
 ClientSampled :
 VICV06

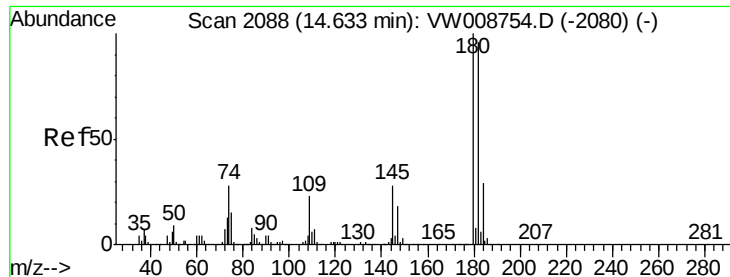
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	36.4	54.6
148	63.8	51.0	76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.166 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008757.D
 Acq: 20 Feb 2019 13:40

Tgt Ion	Ratio	Lower	Upper
75	100		
157	104.3	85.6	128.4
155	88.9	63.4	95.0





#67

1,3,5-Trichlorobenzene

Concen: 24.907 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

Instrument :

MSVOA_W

ClientSampled :

VICV06

Tgt Ion:180 Resp: 278966

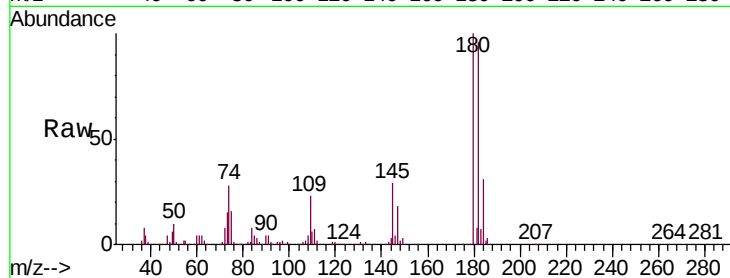
Ion Ratio Lower Upper

180 100

182 94.8 75.0 112.4

184 30.8 23.5 35.3

145 29.3 26.6 39.8

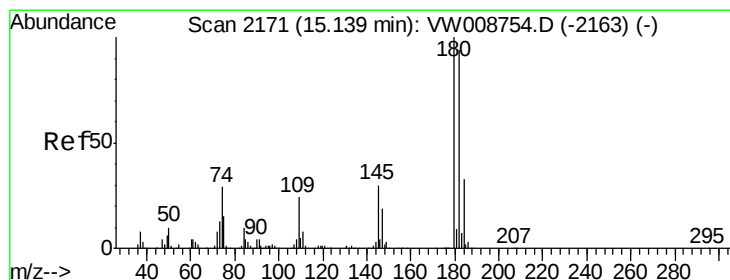
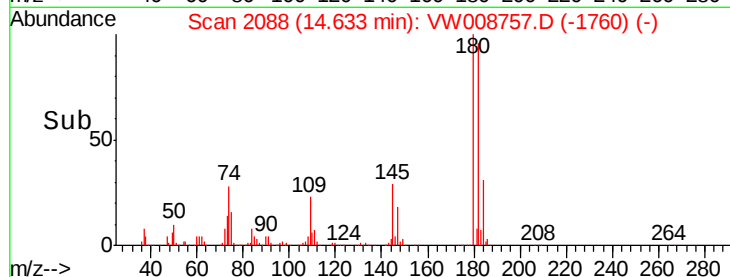
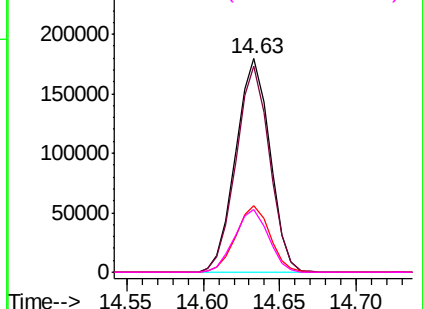


Abundance Ion 180.00 (179.70 to 180.70): V

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: 25.075 ug/L

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

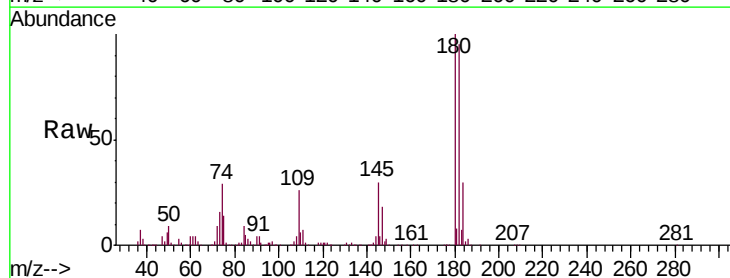
Tgt Ion:180 Resp: 241907

Ion Ratio Lower Upper

180 100

182 95.3 77.0 115.6

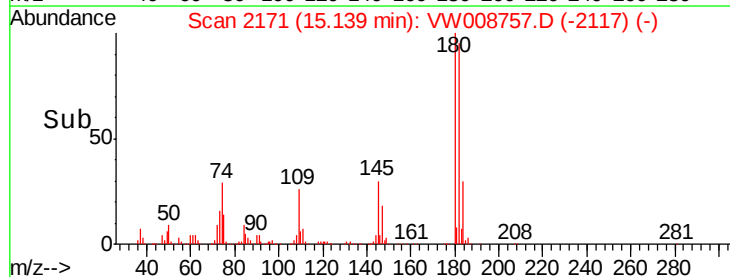
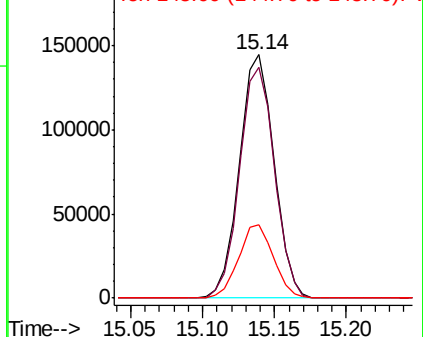
145 30.2 27.9 41.9

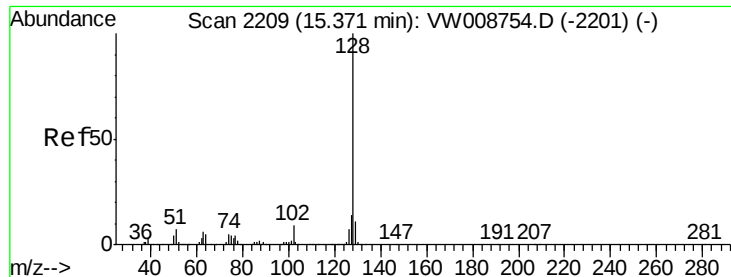


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.228 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

Instrument :

MSVOA_W

ClientSampleId :

VICV06

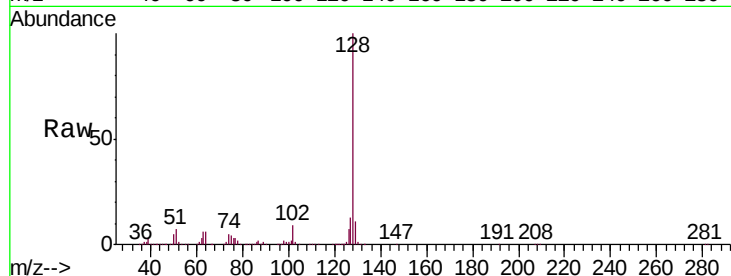
Tgt Ion:128 Resp: 520923

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

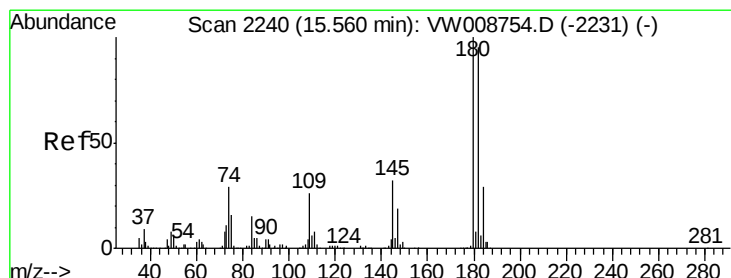
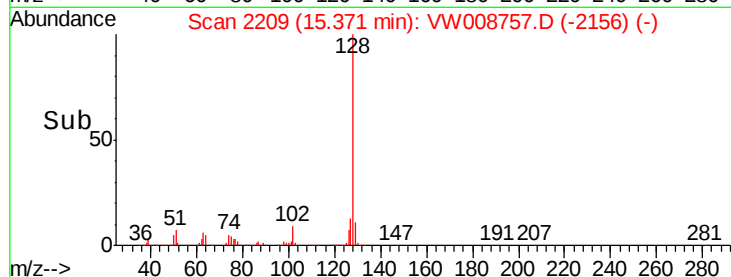
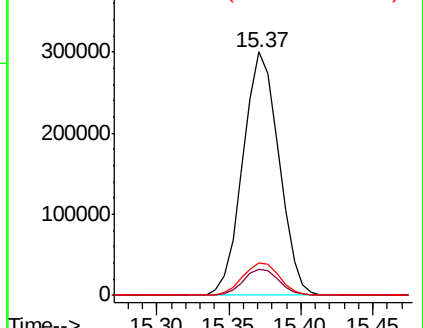
127 13.7 11.1 16.7



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: 24.909 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW008757.D

Acq: 20 Feb 2019 13:40

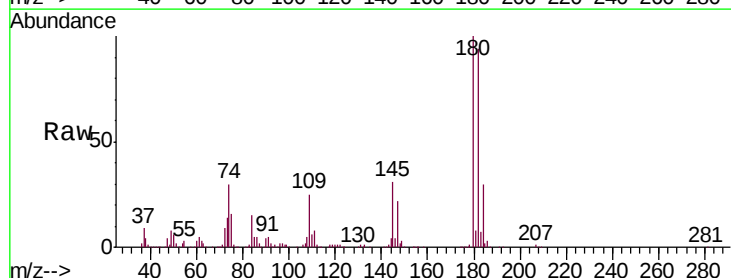
Tgt Ion:180 Resp: 220831

Ion Ratio Lower Upper

180 100

182 95.6 75.8 113.6

145 31.8 29.4 44.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

