

Data File : VW009173.D
Acq On : 14 Mar 2019 16:45
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: Mar 15 06:50:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 14 16:36:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	471263	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	442858	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	228807	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	149411	26.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.12%
7) Chloroethane-d5	2.89	69	154683	23.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.88%
10) 1,1-Dichloroethene-d2	4.02	63	307845	25.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.16%
20) 2-Butanone-d5	7.07	46	114695	49.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.50%
24) Chloroform-d	7.64	84	311874	24.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	8.30	65	187785	24.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.96%
29) Benzene-d6	8.27	84	590176	24.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.64%
33) 1,2-Dichloropropane-d6	9.27	67	179906	24.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.12%
37) Toluene-d8	10.32	98	550395	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.48%
38) trans-1,3-Dichloropropene-	10.58	79	88848	24.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.48%
39) 2-Hexanone-d5	10.92	63	90284	50.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	178519	24.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.84%
61) 1,2-Dichlorobenzene-d4	13.86	152	212841	24.26	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.04%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	143888	23.177 ug/L	85
3) Chloromethane	2.22	50	187532	28.472 ug/L	97
5) Vinyl chloride	2.37	62	204207	30.121 ug/L	97
6) Bromomethane	2.78	94	152589	26.865 ug/L	100
8) Chloroethane	2.92	64	149029	26.570 ug/L	91
9) Trichlorofluoromethane	3.26	101	127519	23.812 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	154704	25.015 ug/L #	63
12) 1,1-Dichloroethene	4.04	96	155367	26.773 ug/L	90
13) Acetone	4.12	43	104076	54.493 ug/L	98
14) Carbon disulfide	4.38	76	452317	28.961 ug/L	99
15) Methyl Acetate	4.67	43	99651	26.559 ug/L	99
16) Methylene chloride	4.92	84	164480	23.934 ug/L	95
17) Methyl tert-butyl Ether	5.42	73	224273	27.313 ug/L	98
18) trans-1,2-Dichloroethene	5.41	96	161826	26.523 ug/L	97
19) 1,1-Dichloroethane	6.21	63	294709	26.491 ug/L	99
21) 2-Butanone	7.17	43	144857	54.930 ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	176286	26.672 ug/L	97

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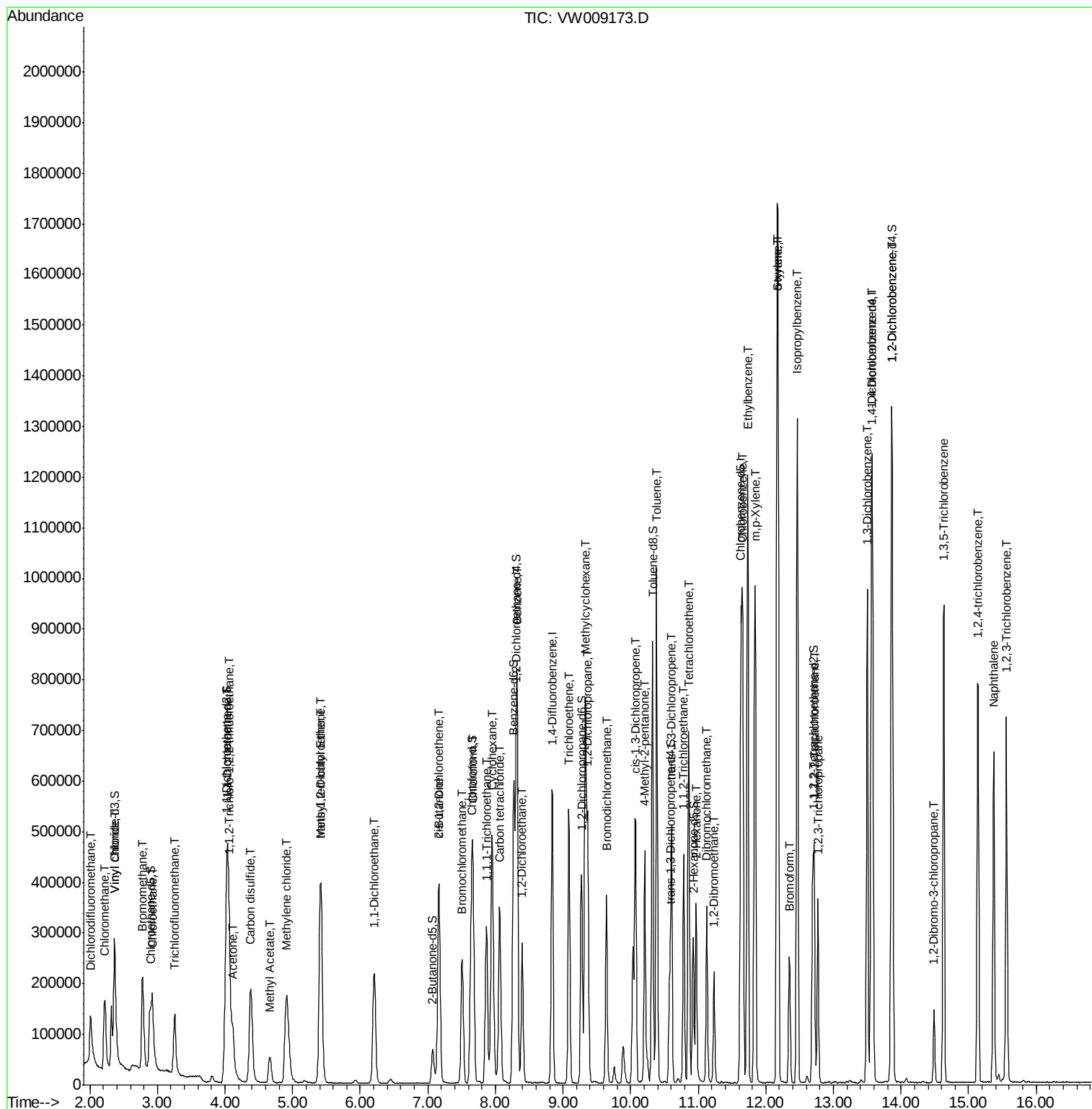
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	81329	25.655	ug/L	96
25) Chloroform	7.67	83	305233	26.199	ug/L	100
27) 1,2-Dichloroethane	8.40	62	232199	26.732	ug/L	97
30) Cyclohexane	7.95	56	276310	27.472	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	235356	26.609	ug/L	99
32) Carbon tetrachloride	8.06	117	237491	26.613	ug/L	98
34) Benzene	8.32	78	650392	26.832	ug/L	100
35) Trichloroethene	9.09	95	169466	26.238	ug/L	99
36) Methylcyclohexane	9.33	83	298191	26.685	ug/L	100
40) 1,2-Dichloropropane	9.37	63	165500	26.607	ug/L	99
41) Bromodichloromethane	9.64	83	232964	27.031	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	275305	27.175	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	300237	53.268	ug/L	100
44) Toluene	10.38	91	706344	26.652	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	238548	27.068	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	131016	26.402	ug/L	98
47) Tetrachloroethene	10.86	164	142002	26.020	ug/L	99
49) 2-Hexanone	10.97	43	224219	56.482	ug/L	99
50) Dibromochloromethane	11.13	129	166725	27.217	ug/L	93
51) 1,2-Dibromoethane	11.23	107	137053	27.244	ug/L	95
52) Chlorobenzene	11.66	112	453439	26.676	ug/L	100
53) Ethylbenzene	11.73	91	808499	27.134	ug/L	99
54) m,p-Xylene	11.84	106	303572	26.817	ug/L	97
55) o-xylene	12.16	106	293137	26.544	ug/L	99
56) Styrene	12.18	104	515041	27.334	ug/L	96
57) Isopropylbenzene	12.46	105	797389	26.954	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	179663	26.838	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	135236	27.220	ug/L	100
62) Bromoform	12.35	173	106408	27.524	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	359447	26.359	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	369372	26.199	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	345040	26.532	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	33385	26.194	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	280982	26.417	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	241501	27.031	ug/L	99
69) Naphthalene	15.37	128	531953	28.718	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	227883	27.232	ug/L	99

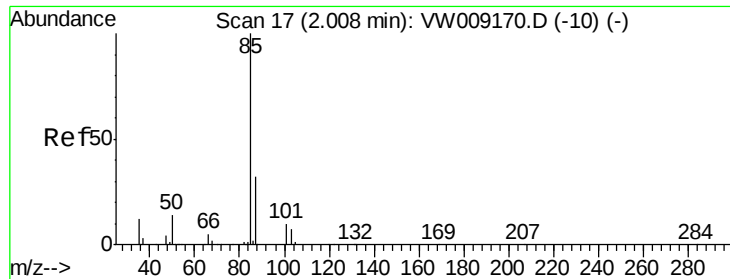
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.177 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

Instrument :

MSVOA_W

ClientSampleId :

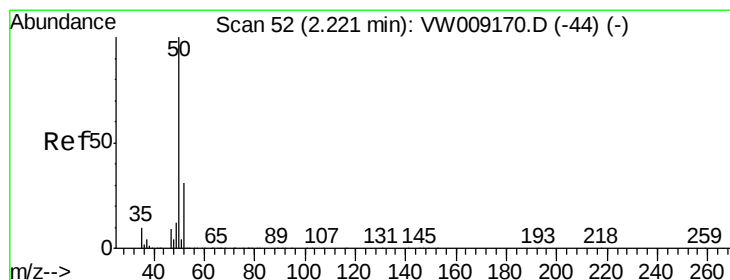
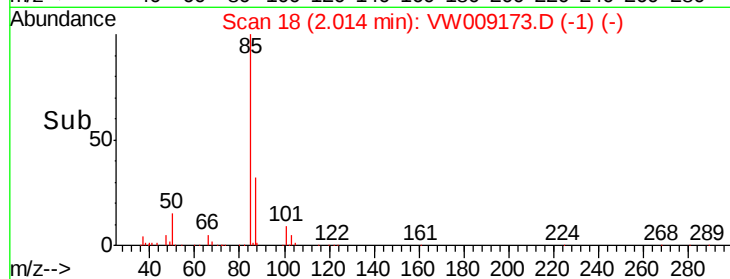
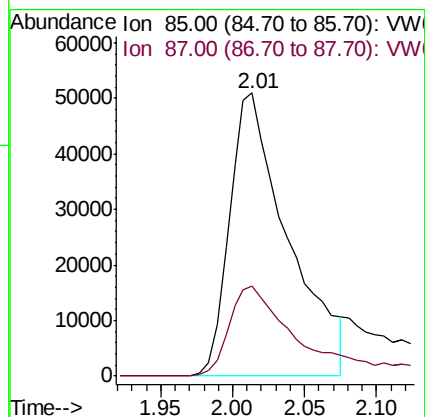
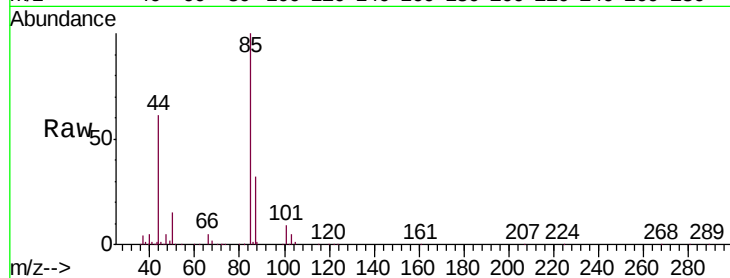
VICV06

Tgt Ion: 85 Resp: 143888

Ion Ratio Lower Upper

85 100

87 35.7 19.5 36.3



#3

Chloromethane

Concen: 28.472 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW009173.D

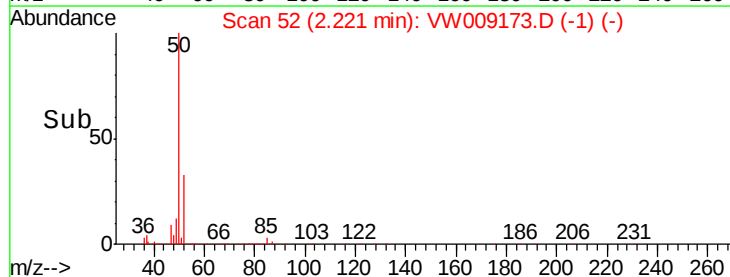
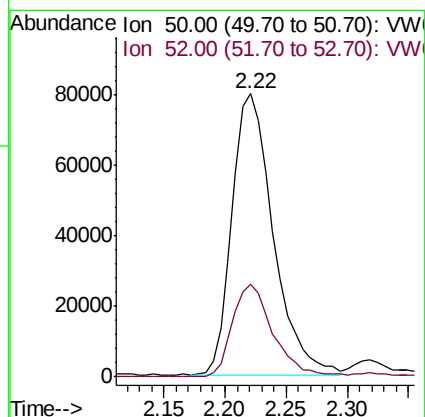
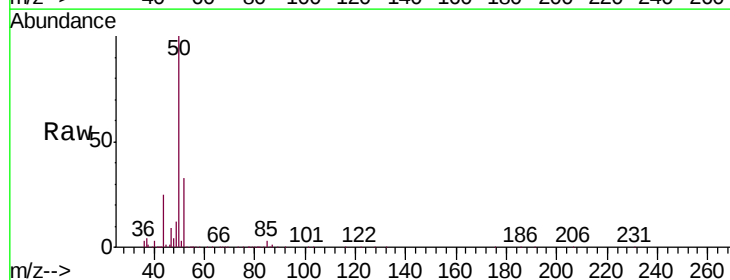
Acq: 14 Mar 2019 16:45

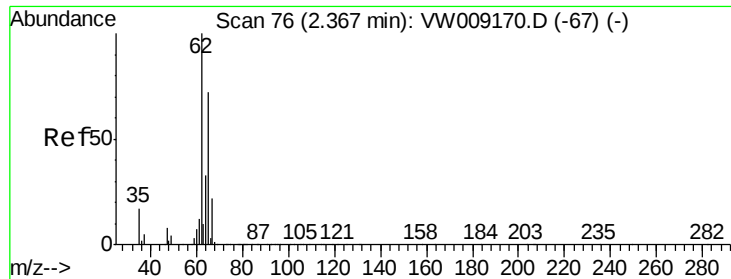
Tgt Ion: 50 Resp: 187532

Ion Ratio Lower Upper

50 100

52 32.8 21.6 40.2





#5

Vinyl chloride

Concen: 30.121 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

Instrument :

MSVOA_W

ClientSampleId :

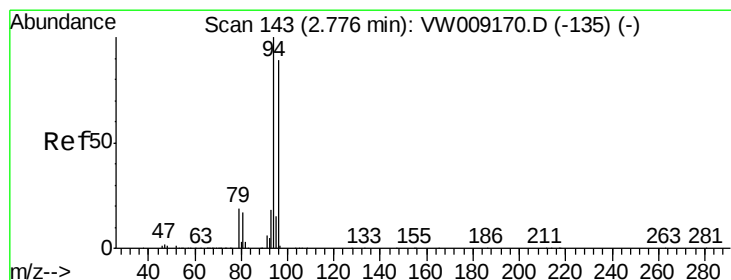
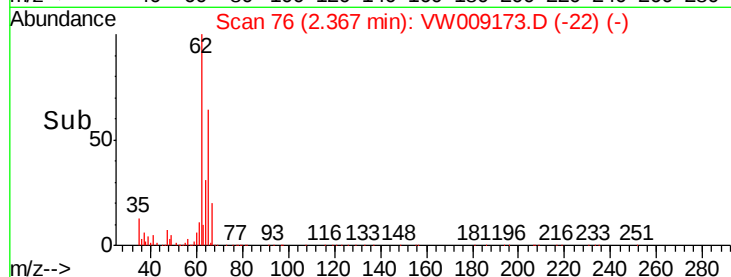
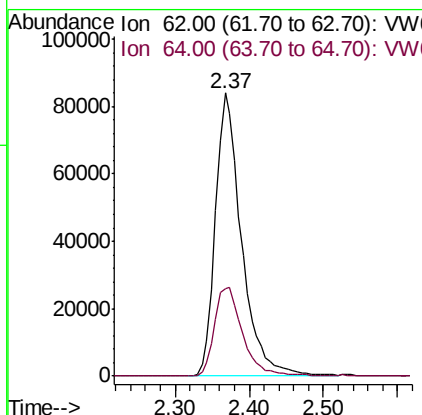
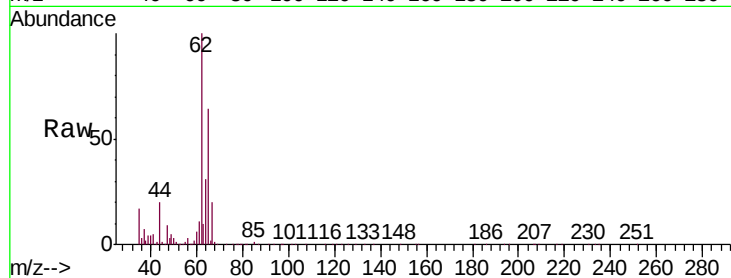
VICV06

Tgt Ion: 62 Resp: 204207

Ion Ratio Lower Upper

62 100

64 31.1 23.0 42.6



#6

Bromomethane

Concen: 26.865 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW009173.D

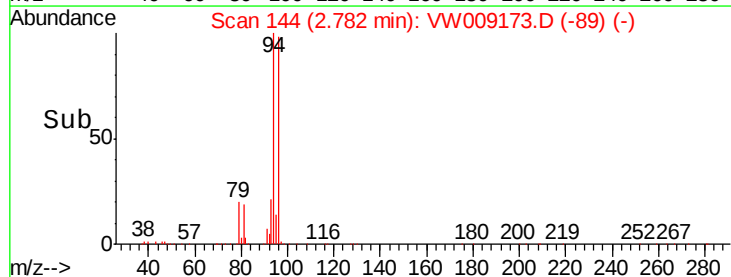
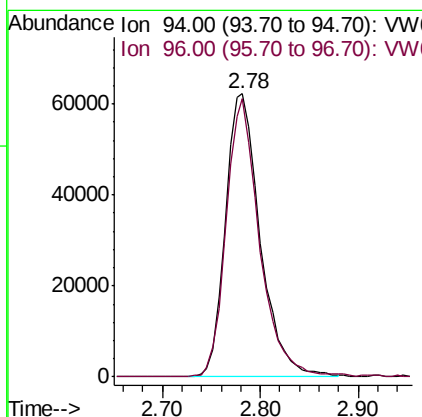
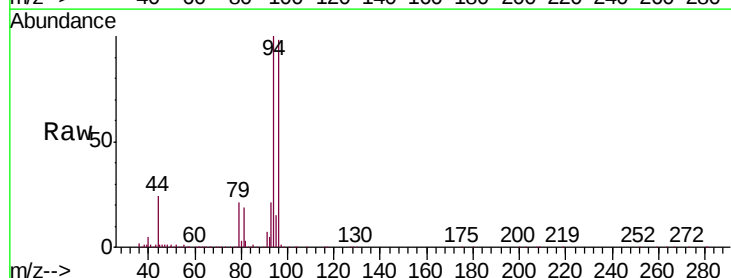
Acq: 14 Mar 2019 16:45

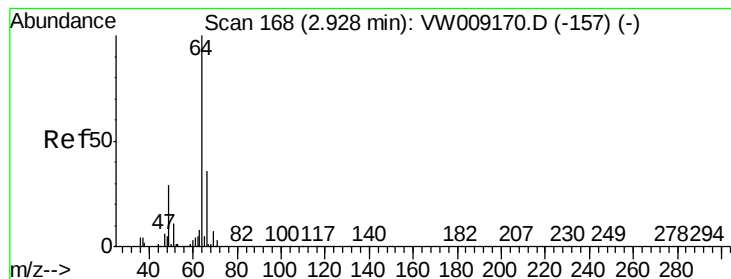
Tgt Ion: 94 Resp: 152589

Ion Ratio Lower Upper

94 100

96 94.0 9.4 178.4





#8

Chloroethane

Concen: 26.570 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

Instrument :

MSVOA_W

ClientSampleId :

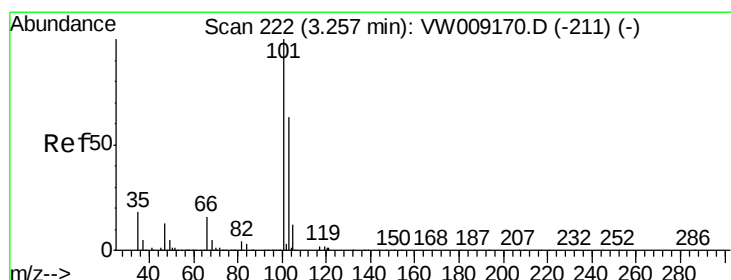
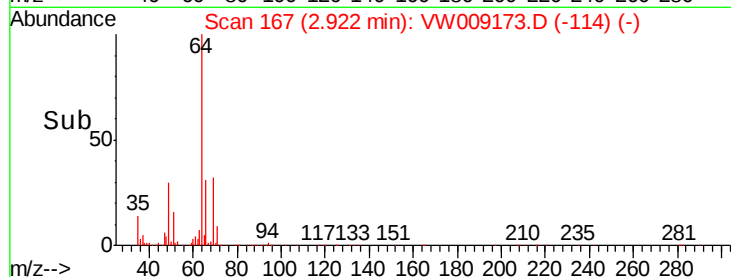
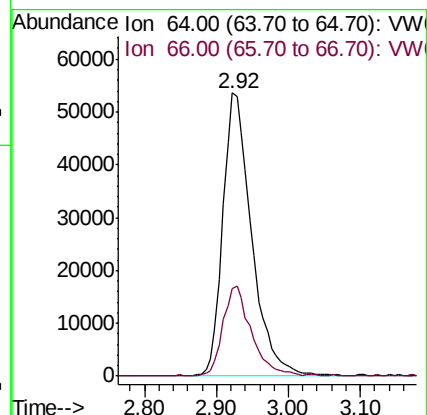
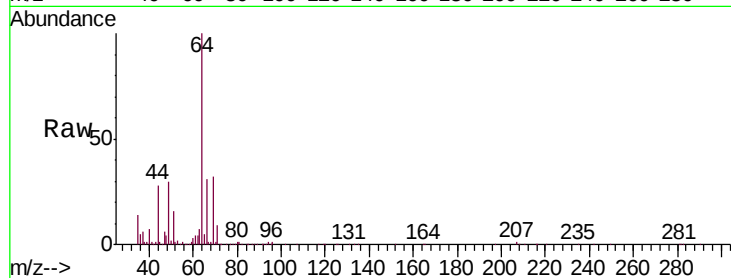
VICV06

Tgt Ion: 64 Resp: 149029

Ion Ratio Lower Upper

64 100

66 30.8 25.1 46.7



#9

Trichlorofluoromethane

Concen: 23.812 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW009173.D

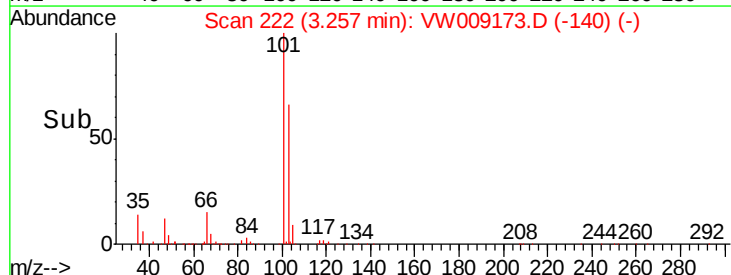
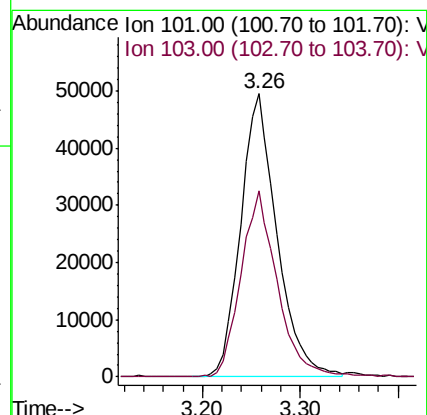
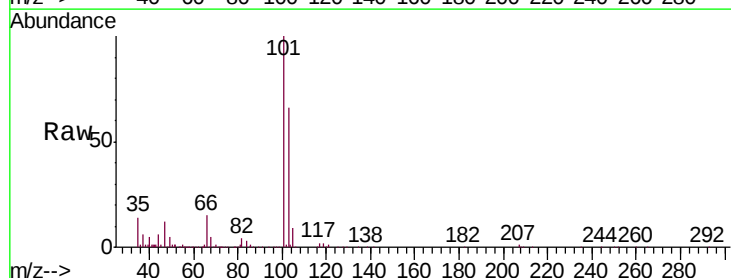
Acq: 14 Mar 2019 16:45

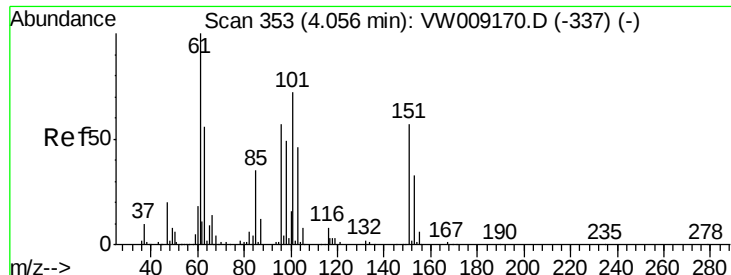
Tgt Ion: 101 Resp: 127519

Ion Ratio Lower Upper

101 100

103 64.8 45.0 83.6





#11

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

Concen: 25.015 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

Instrument :

MSVOA_W

ClientSampleId :

VICV06

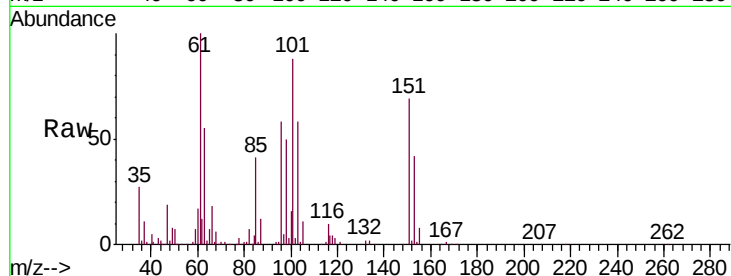
Tgt Ion:101 Resp: 154704

Ion Ratio Lower Upper

101 100

85 46.1 32.6 48.8

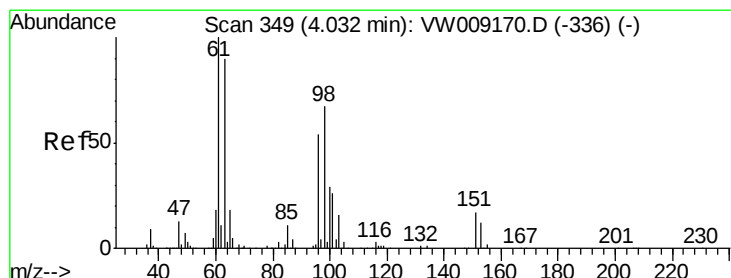
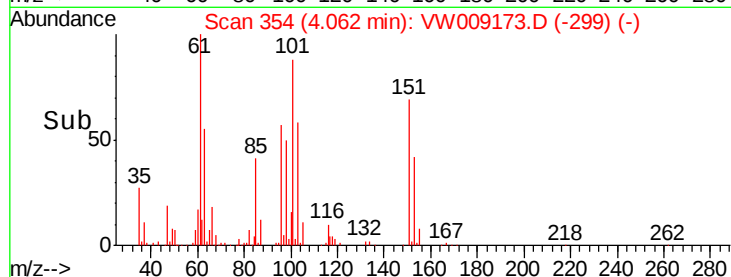
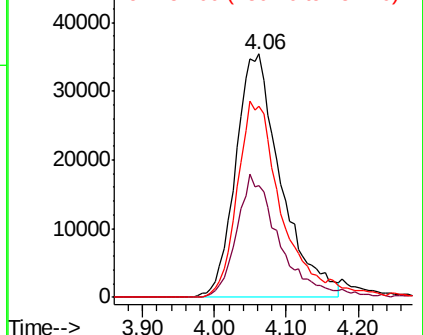
151 33.8 63.3 94.9#



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: 26.773 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

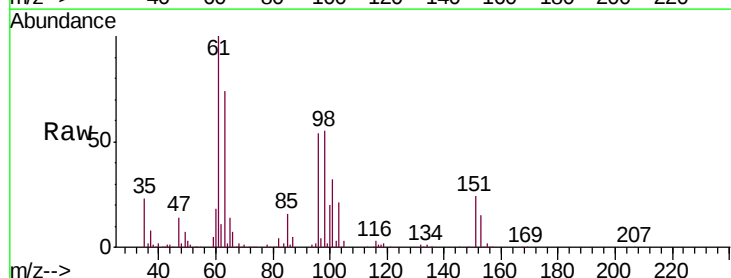
Tgt Ion: 96 Resp: 155367

Ion Ratio Lower Upper

96 100

61 185.0 129.4 240.2

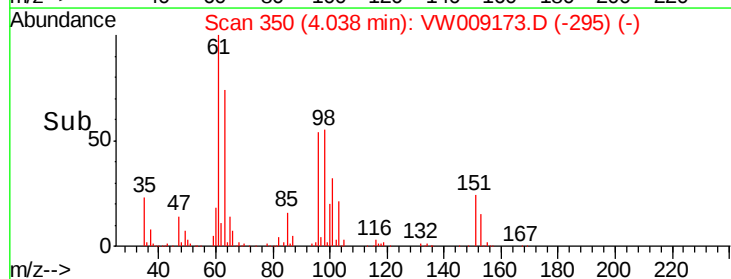
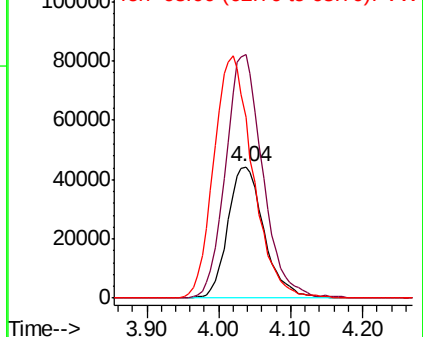
63 137.5 116.8 217.0

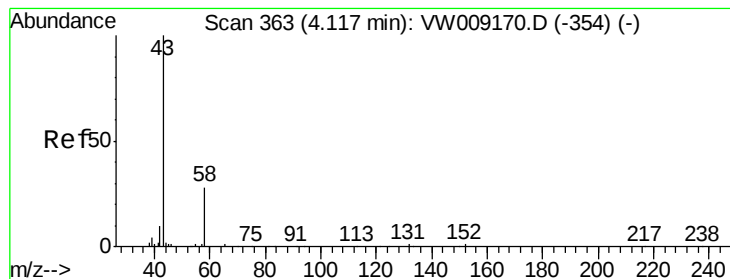


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 54.493 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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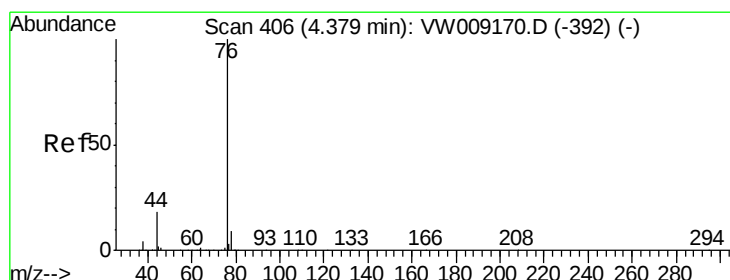
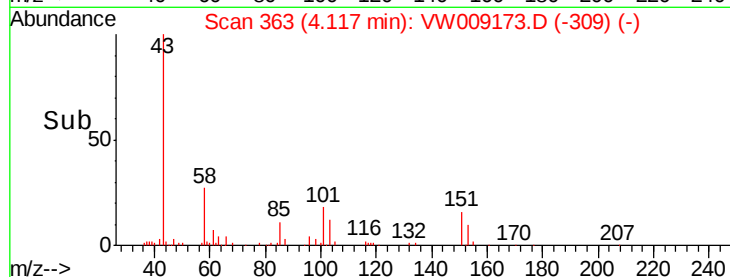
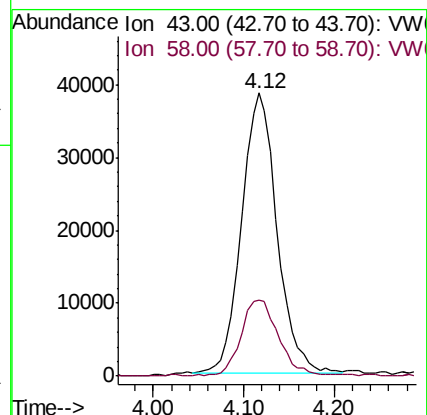
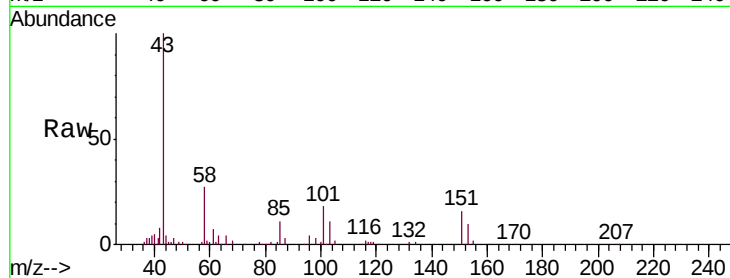
VICV06

Tgt Ion: 43 Resp: 104076

Ion Ratio Lower Upper

43 100

58 29.1 0.0 56.2



#14

Carbon disulfide

Concen: 28.961 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW009173.D

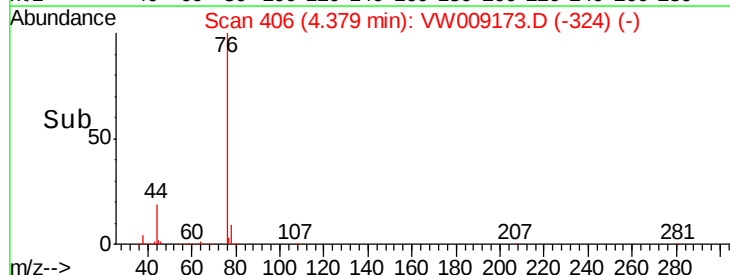
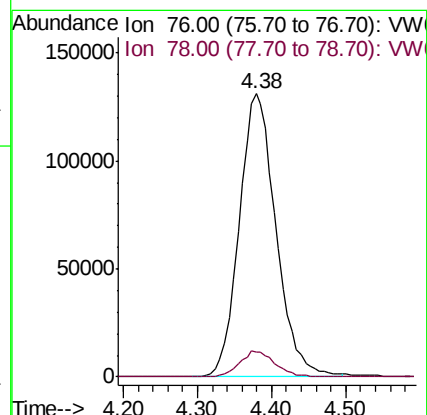
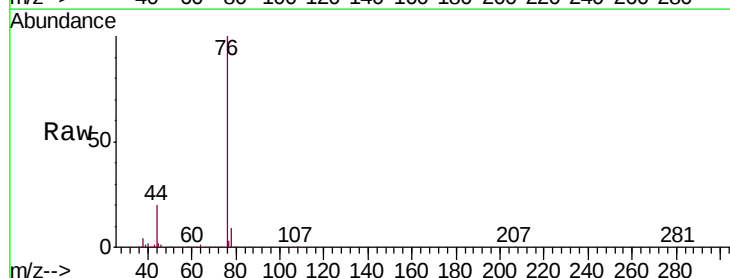
Acq: 14 Mar 2019 16:45

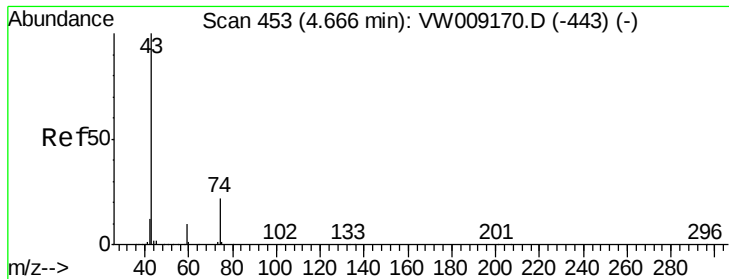
Tgt Ion: 76 Resp: 452317

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9

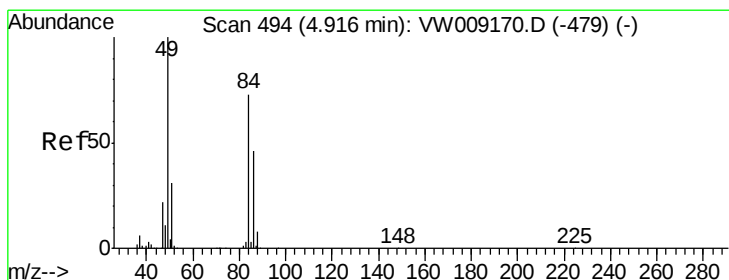
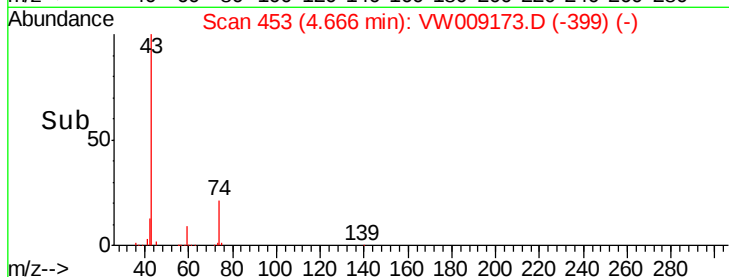
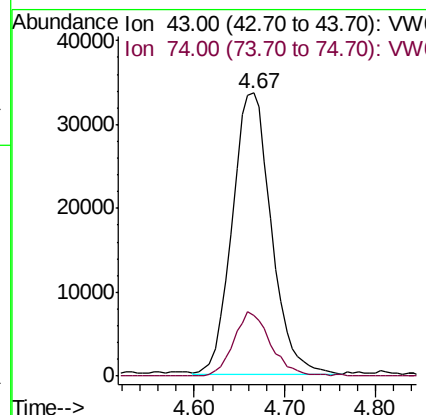
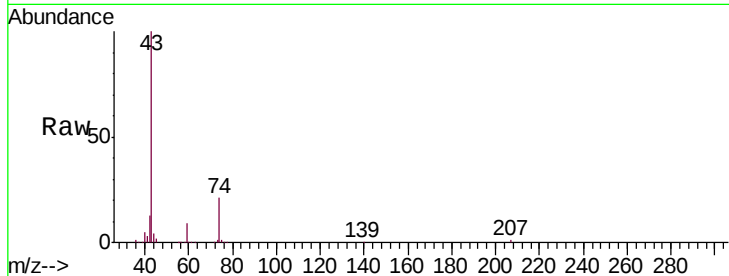




#15
Methyl Acetate
Concen: 26.559 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW009173.D
Acq: 14 Mar 2019 16:45

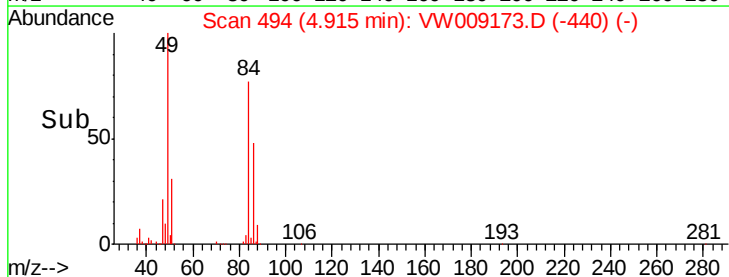
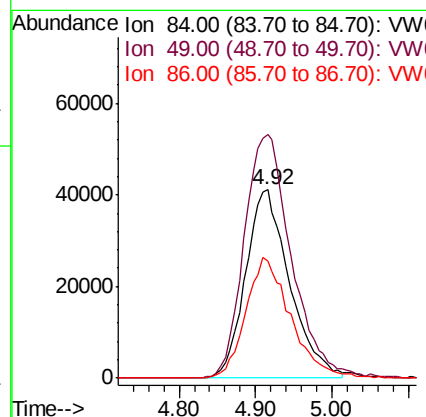
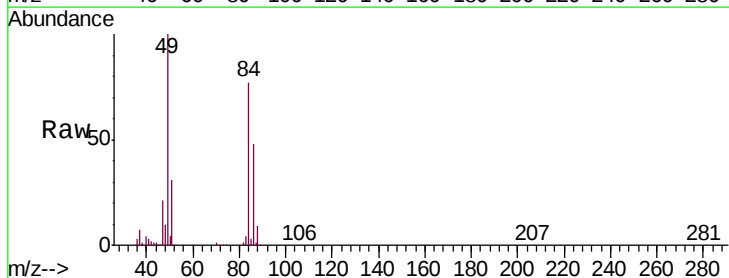
Instrument :
MSVOA_W
ClientSampleId :
VICV06

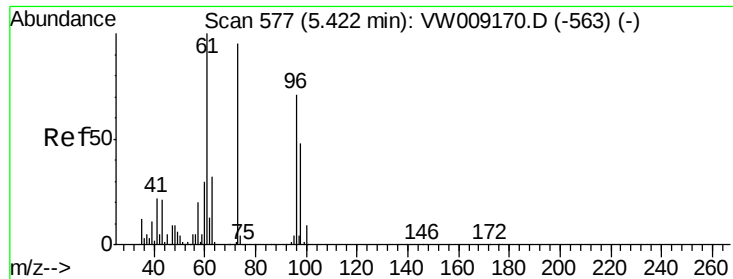
Tgt Ion: 43 Resp: 99651
Ion Ratio Lower Upper
43 100
74 21.5 16.7 25.1



#16
Methylene chloride
Concen: 23.934 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW009173.D
Acq: 14 Mar 2019 16:45

Tgt Ion: 84 Resp: 164480
Ion Ratio Lower Upper
84 100
49 129.4 96.0 178.2
86 62.1 44.4 82.5

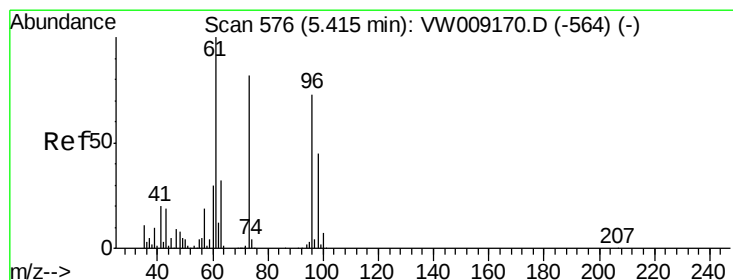
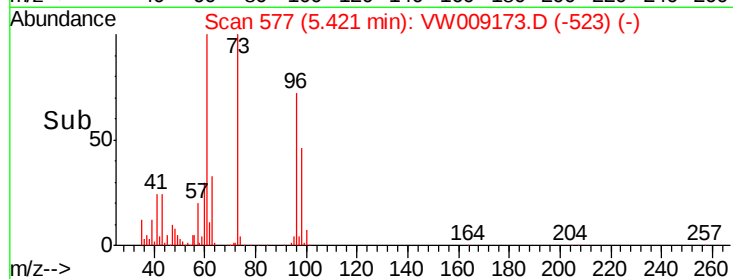
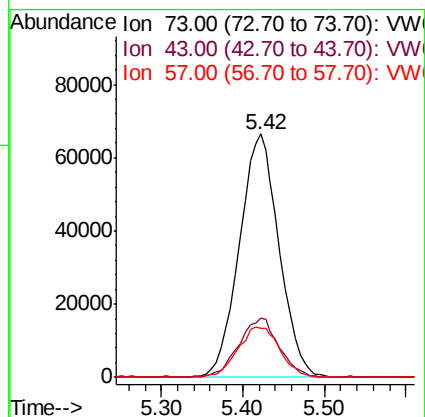
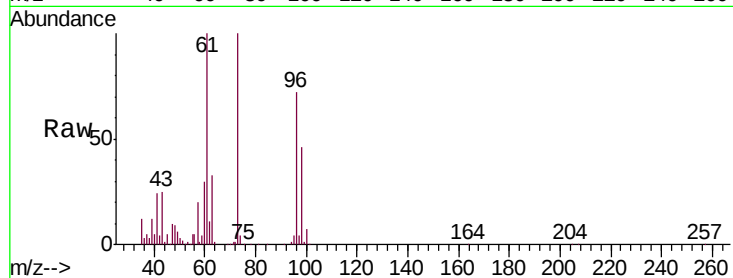




#17
Methyl tert-butyl Ether
Concen: 27.313 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW009173.D
Acq: 14 Mar 2019 16:45

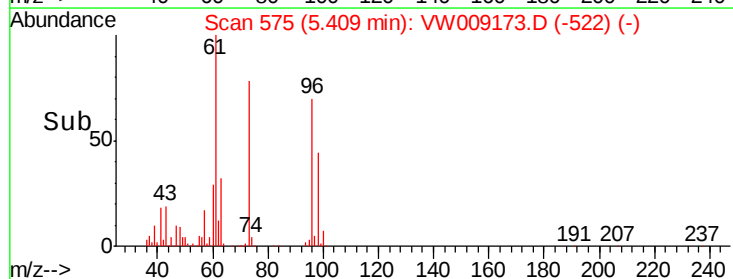
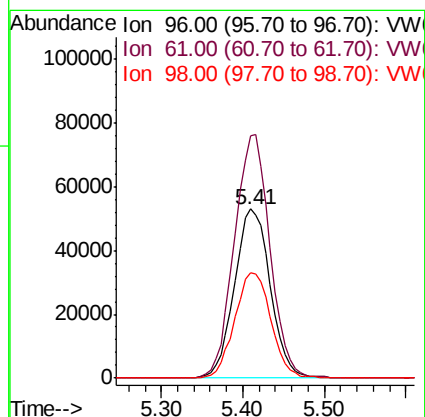
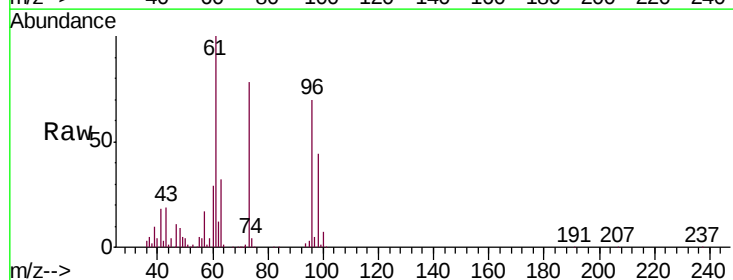
Instrument :
MSVOA_W
ClientSampleId :
VICV06

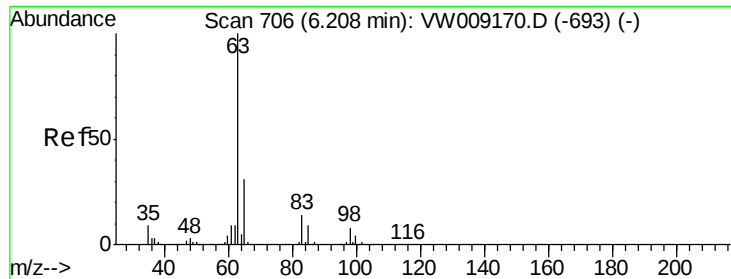
Tgt Ion: 73 Resp: 224273
Ion Ratio Lower Upper
73 100
43 24.3 18.2 27.4
57 21.8 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 26.523 ug/L
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW009173.D
Acq: 14 Mar 2019 16:45

Tgt Ion: 96 Resp: 161826
Ion Ratio Lower Upper
96 100
61 143.5 96.7 179.5
98 62.7 43.8 81.4

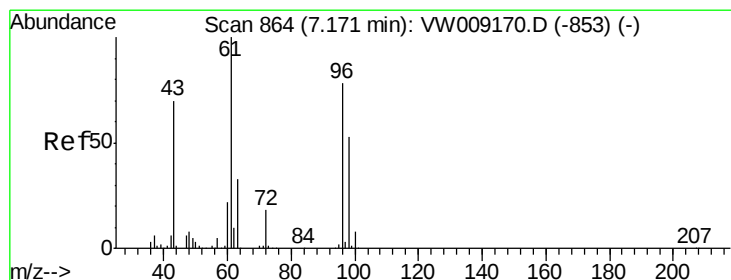
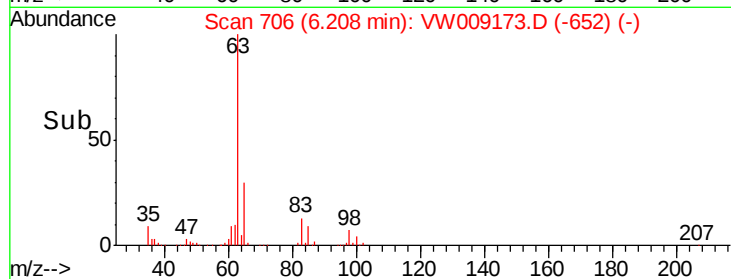
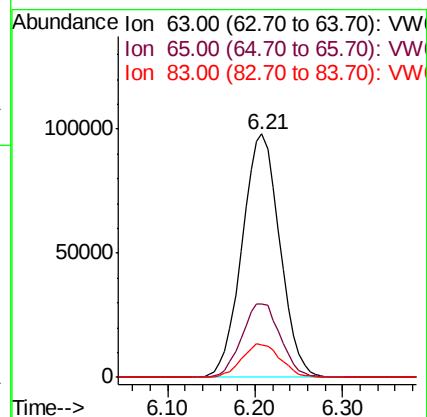
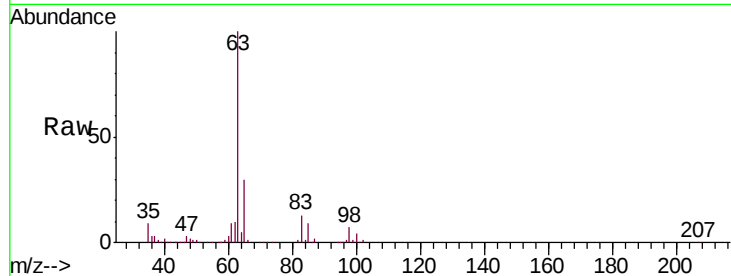




#19
 1,1-Dichloroethane
 Concen: 26.491 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW009173.D
 Acq: 14 Mar 2019 16:45

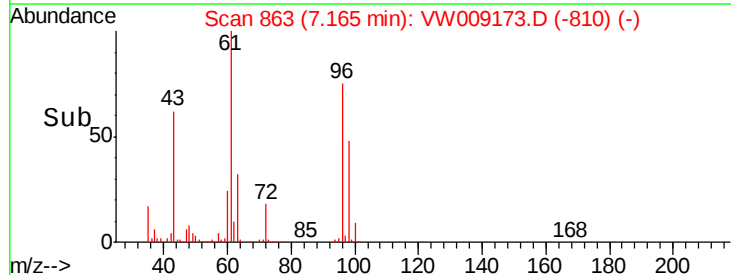
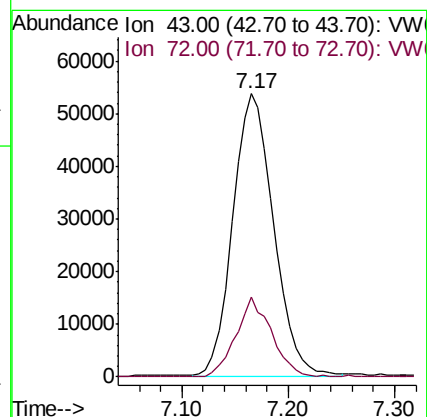
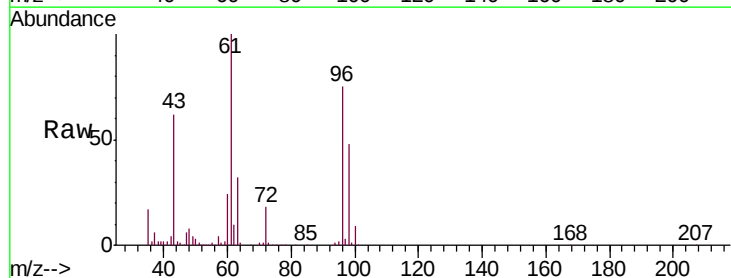
Instrument :
 MSVOA_W
 ClientSampled :
 VICV06

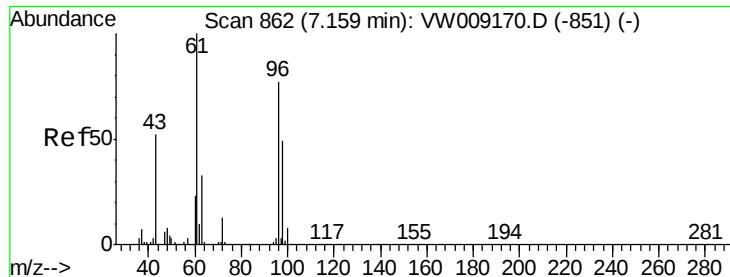
Tgt Ion: 63 Resp: 294709
 Ion Ratio Lower Upper
 63 100
 65 30.4 21.6 40.0
 83 13.3 10.1 18.7



#21
 2-Butanone
 Concen: 54.930 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW009173.D
 Acq: 14 Mar 2019 16:45

Tgt Ion: 43 Resp: 144857
 Ion Ratio Lower Upper
 43 100
 72 24.6 13.1 39.1



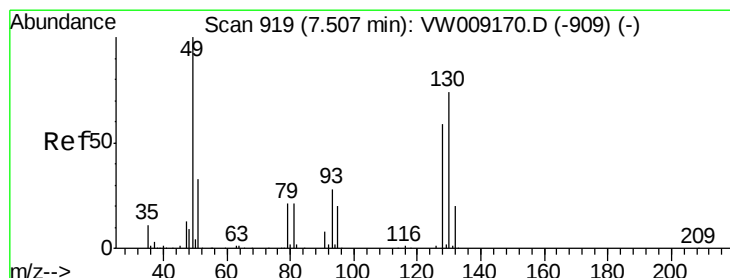
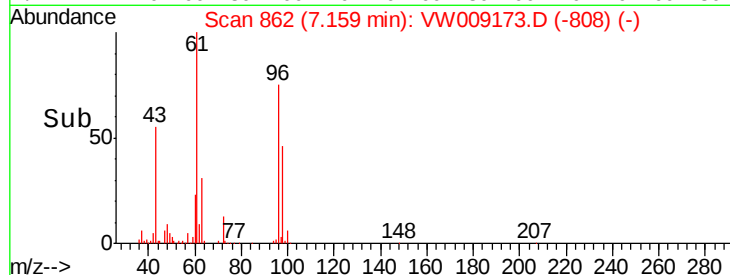
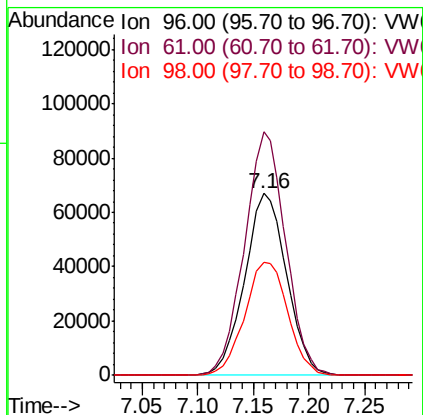
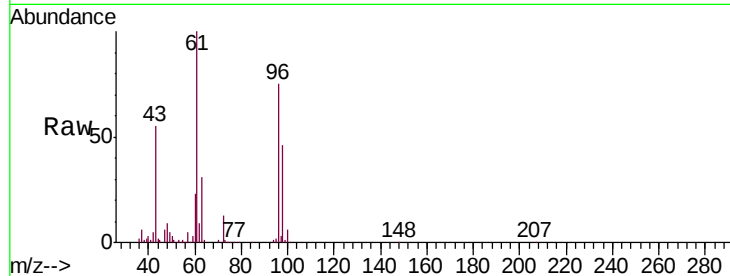


#22

cis-1,2-Dichloroethene
Concen: 26.672 ug/L
RT: 7.16 min Scan# 862
Delta R.T. -0.00 min
Lab File: VW009173.D
Acq: 14 Mar 2019 16:45

Instrument :
MSVOA_W
ClientSampled :
VICV06

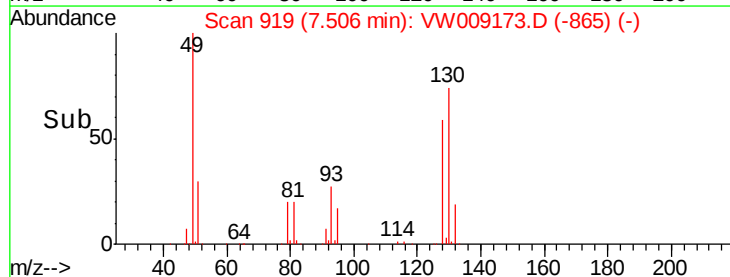
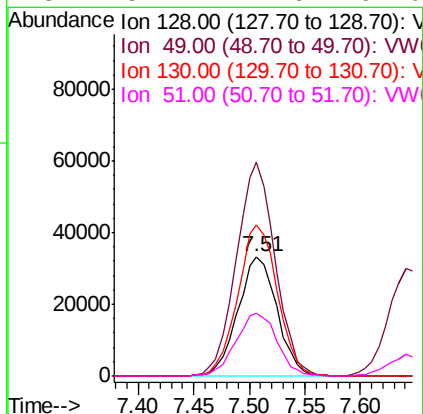
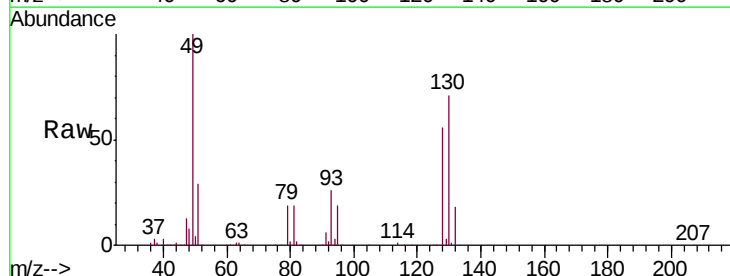
Tgt Ion: 96 Resp: 176286
Ion Ratio Lower Upper
96 100
61 134.0 90.6 168.3
98 62.1 44.0 81.8

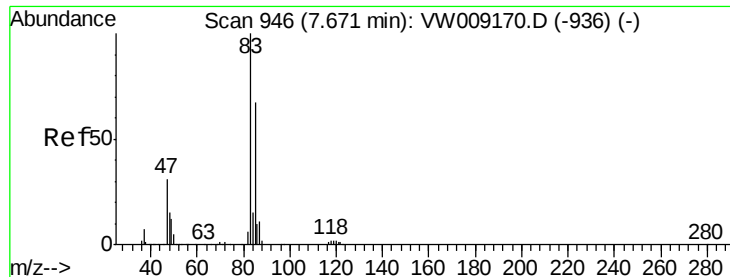


#23

Bromochloromethane
Concen: 25.655 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW009173.D
Acq: 14 Mar 2019 16:45

Tgt Ion: 128 Resp: 81329
Ion Ratio Lower Upper
128 100
49 178.4 118.4 219.8
130 126.1 87.8 163.2
51 52.2 44.6 67.0





#25

Chloroform

Concen: 26.199 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

Instrument :

MSVOA_W

ClientSampled :

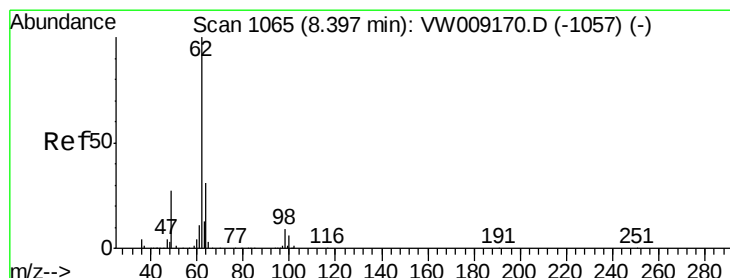
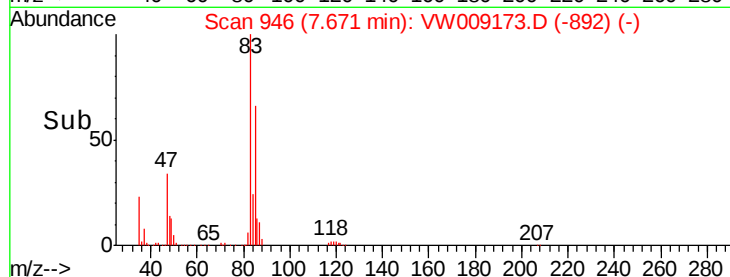
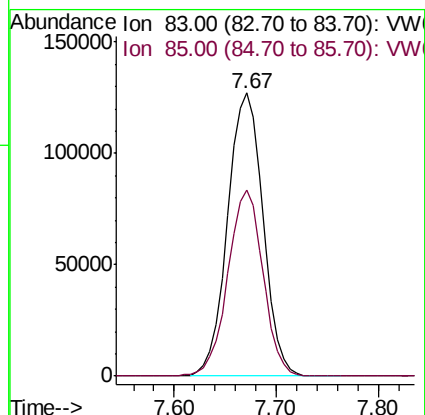
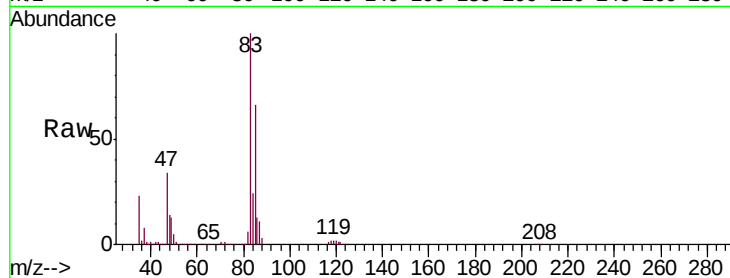
VICV06

Tgt Ion: 83 Resp: 305233

Ion Ratio Lower Upper

83 100

85 65.4 46.0 85.4



#27

1,2-Dichloroethane

Concen: 26.732 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW009173.D

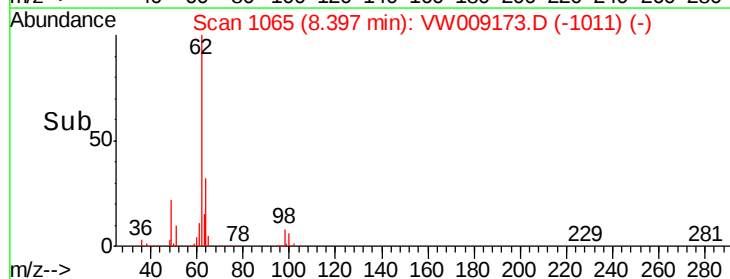
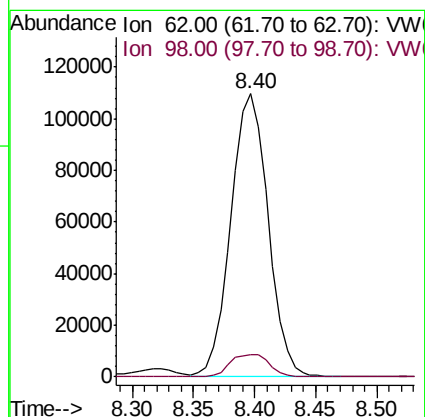
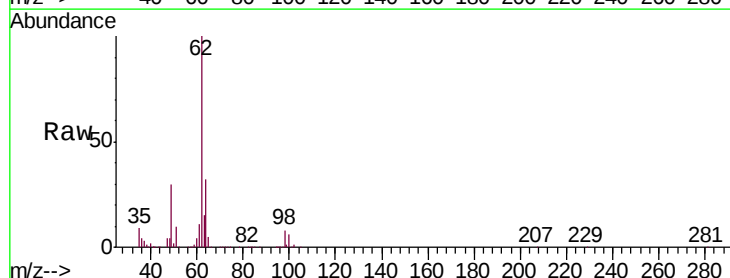
Acq: 14 Mar 2019 16:45

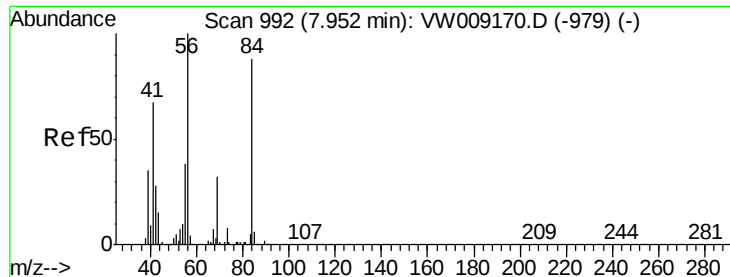
Tgt Ion: 62 Resp: 232199

Ion Ratio Lower Upper

62 100

98 8.1 7.3 10.9

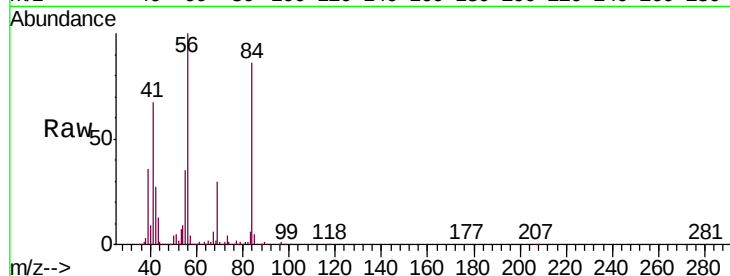




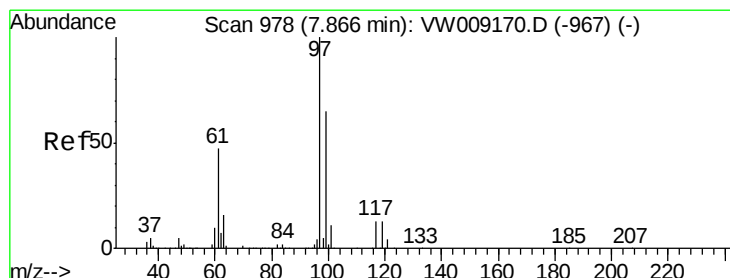
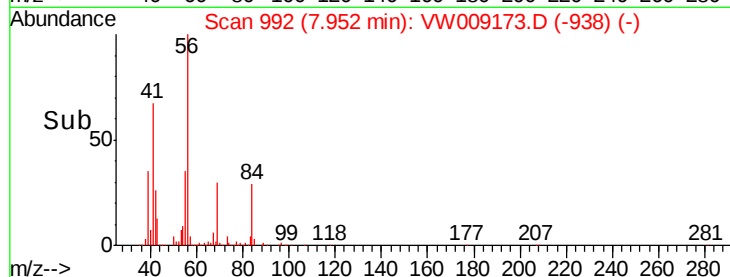
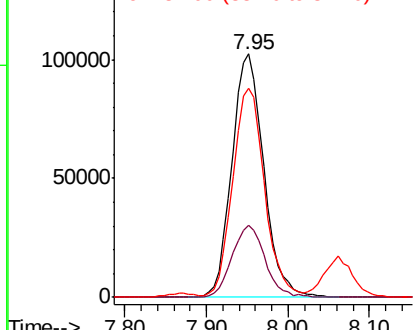
#30
Cyclohexane
Concen: 27.472 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW009173.D
Acq: 14 Mar 2019 16:45

Instrument :
MSVOA_W
ClientSampleId :
VICV06

Tgt Ion: 56 Resp: 276310
Ion Ratio Lower Upper
56 100
69 30.2 24.0 36.0
84 86.0 69.2 103.8

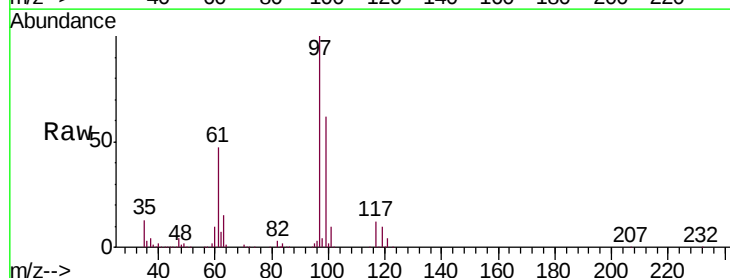


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

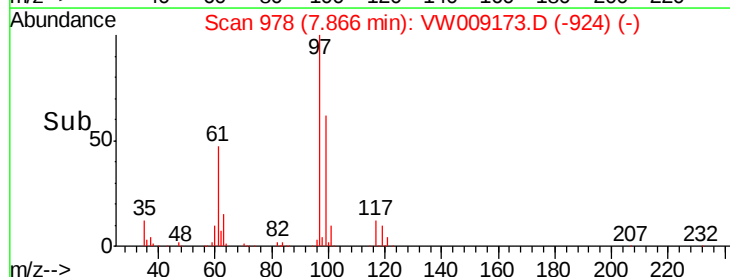
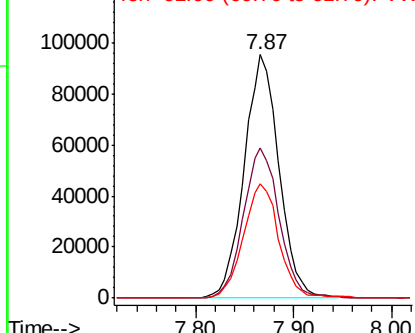


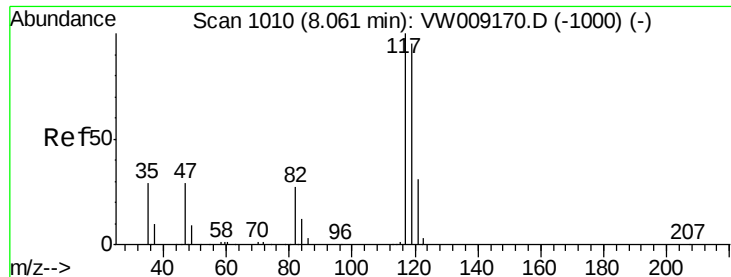
#31
1,1,1-Trichloroethane
Concen: 26.609 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW009173.D
Acq: 14 Mar 2019 16:45

Tgt Ion: 97 Resp: 235356
Ion Ratio Lower Upper
97 100
99 62.7 51.2 76.8
61 47.2 38.4 57.6



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 26.613 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

Instrument :

MSVOA_W

ClientSampled :

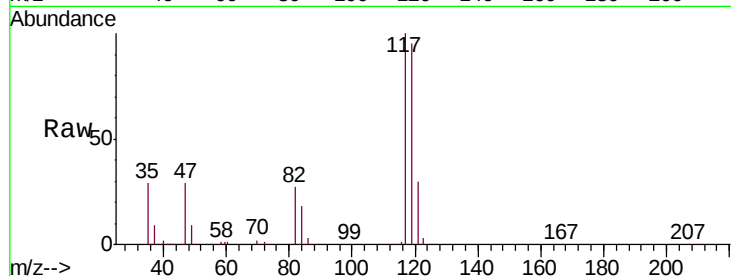
VICV06

Tgt Ion:117 Resp: 237491

Ion Ratio Lower Upper

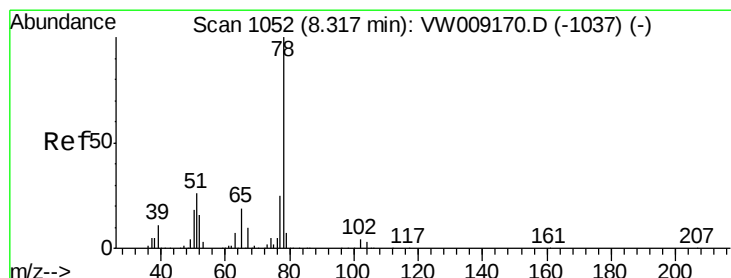
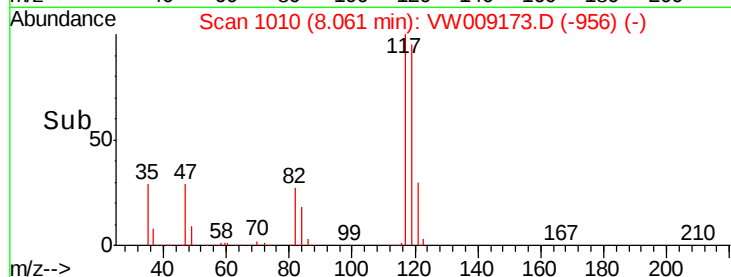
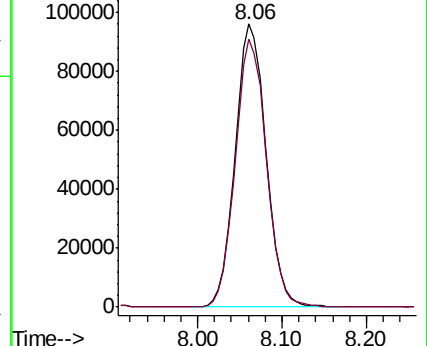
117 100

119 95.6 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.832 ug/L

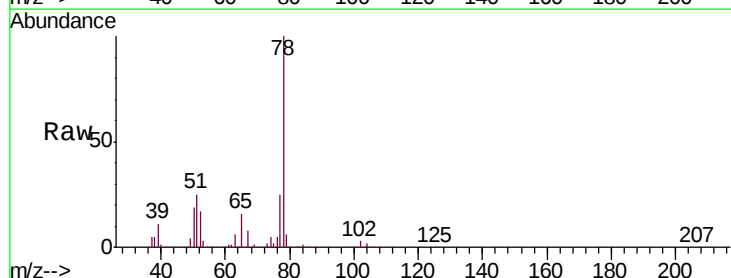
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

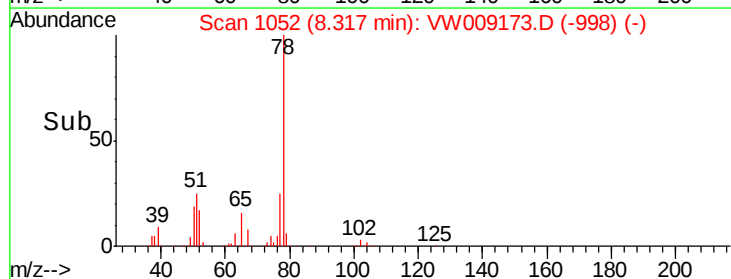
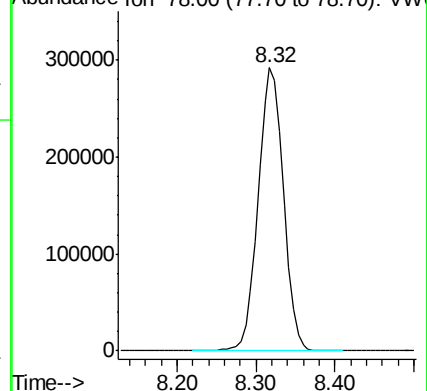
Lab File: VW009173.D

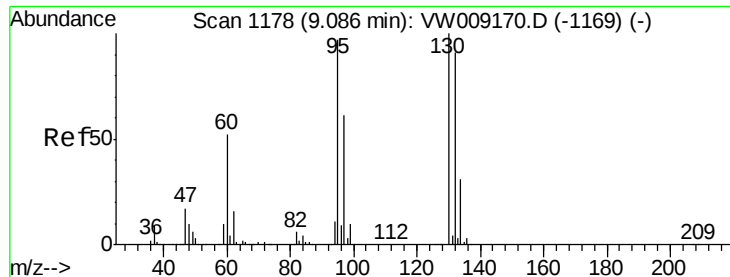
Acq: 14 Mar 2019 16:45

Tgt Ion: 78 Resp: 650392



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.238 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

Instrument :

MSVOA_W

ClientSampled :

VICV06

Tgt Ion: 95 Resp: 169466

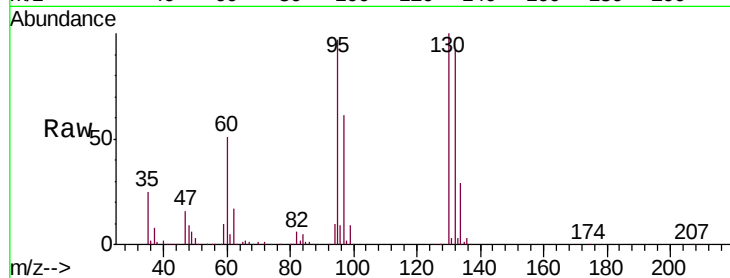
Ion Ratio Lower Upper

95 100

97 64.9 44.7 82.9

132 98.0 69.0 128.2

130 103.0 72.7 134.9

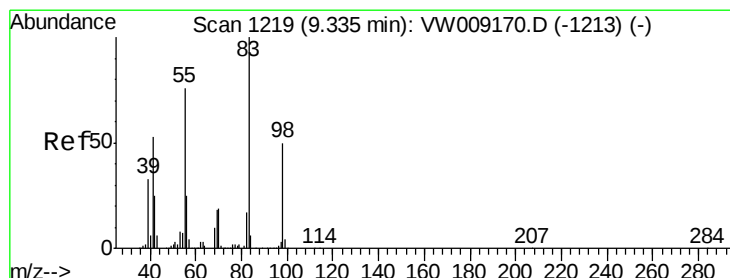
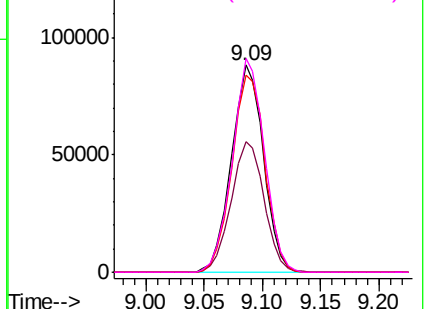
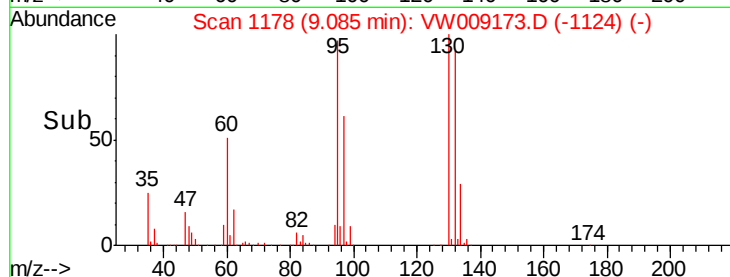


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 26.685 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

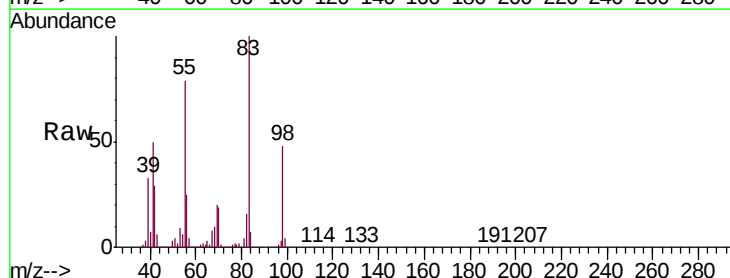
Tgt Ion: 83 Resp: 298191

Ion Ratio Lower Upper

83 100

55 79.8 63.5 95.3

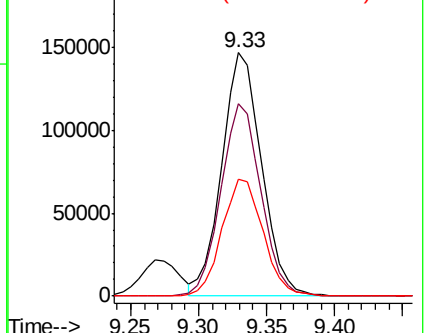
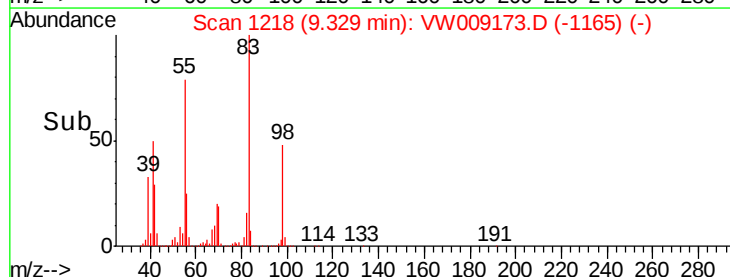
98 49.8 39.8 59.8

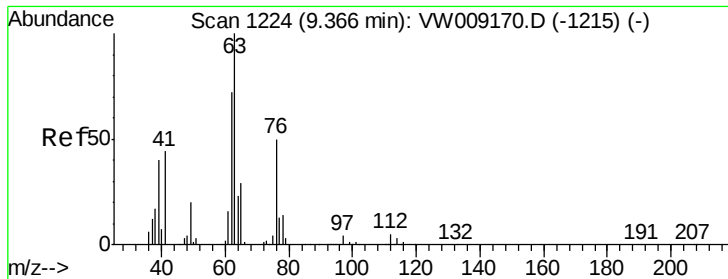


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

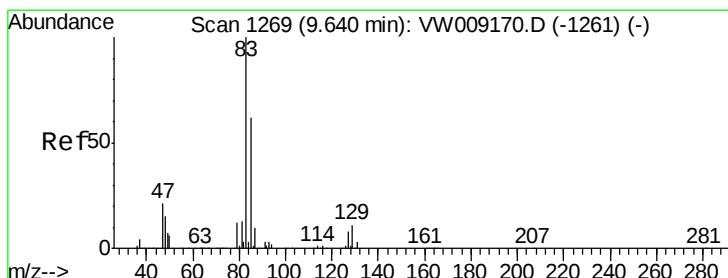
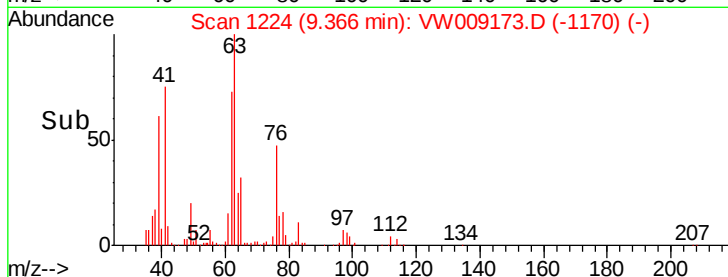
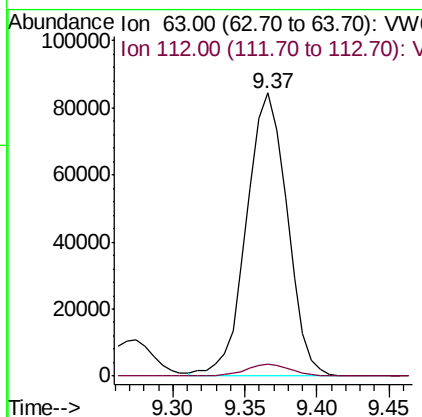
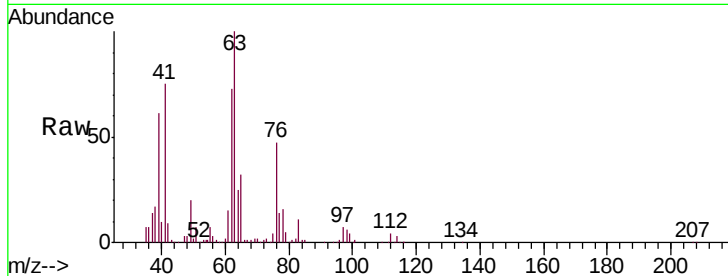




#40
 1,2-Dichloropropane
 Concen: 26.607 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009173.D
 Acq: 14 Mar 2019 16:45

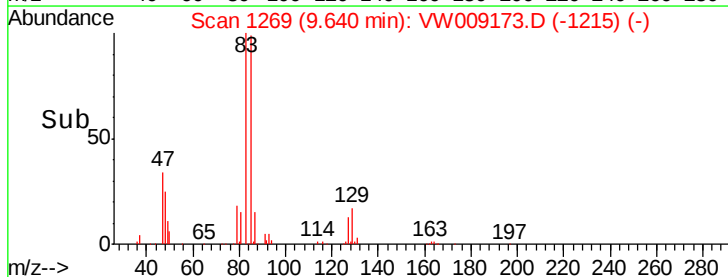
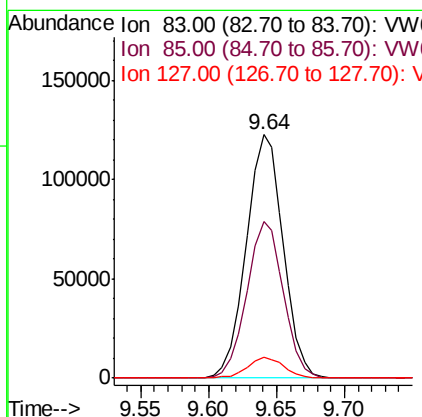
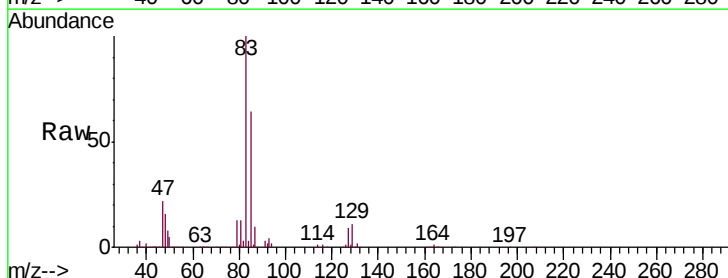
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV06

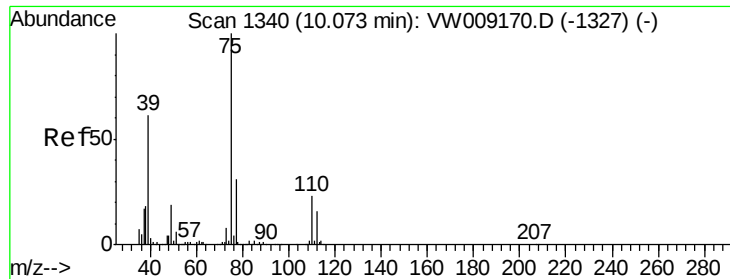
Tgt Ion: 63 Resp: 165500
 Ion Ratio Lower Upper
 63 100
 112 4.7 4.0 6.0



#41
 Bromodichloromethane
 Concen: 27.031 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW009173.D
 Acq: 14 Mar 2019 16:45

Tgt Ion: 83 Resp: 232964
 Ion Ratio Lower Upper
 83 100
 85 64.3 43.5 80.7
 127 8.6 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 27.175 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

Instrument :

MSVOA_W

ClientSampleId :

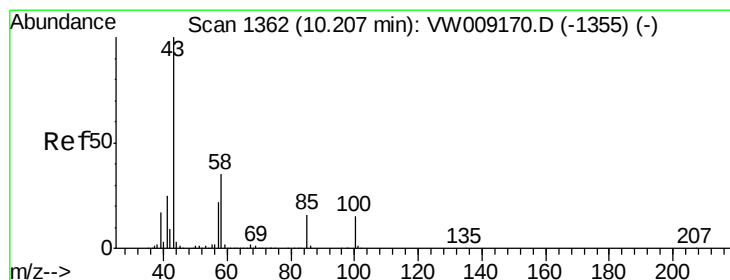
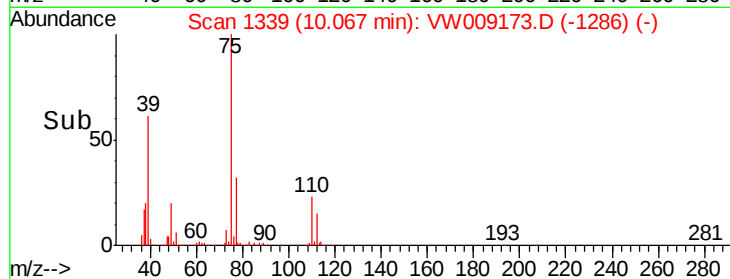
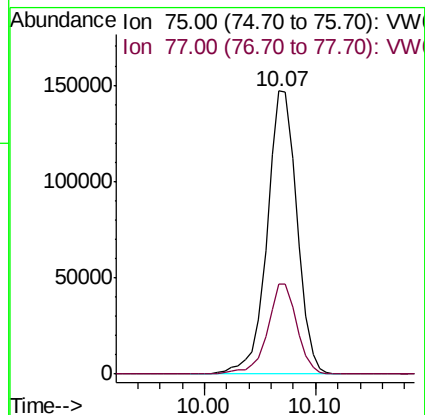
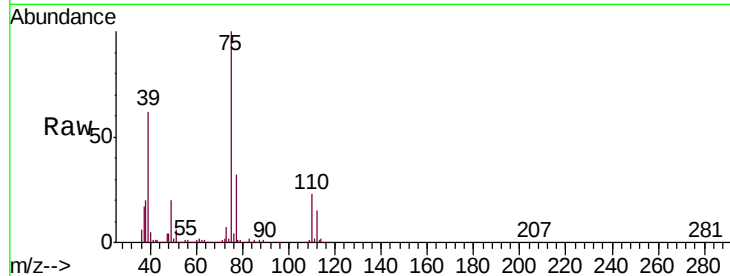
VICV06

Tgt Ion: 75 Resp: 275305

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 53.268 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

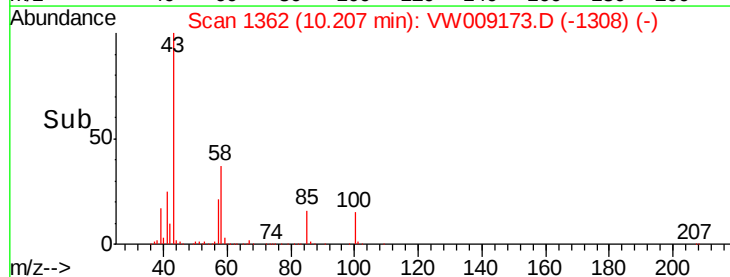
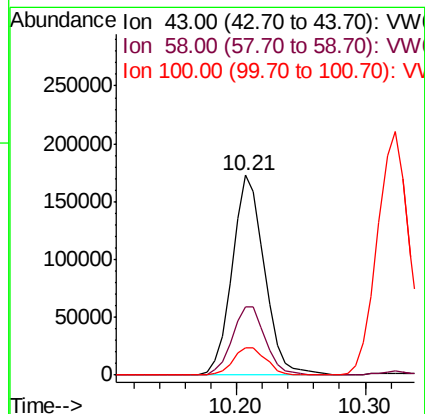
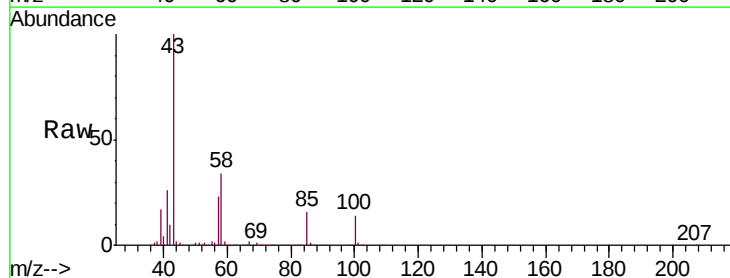
Tgt Ion: 43 Resp: 300237

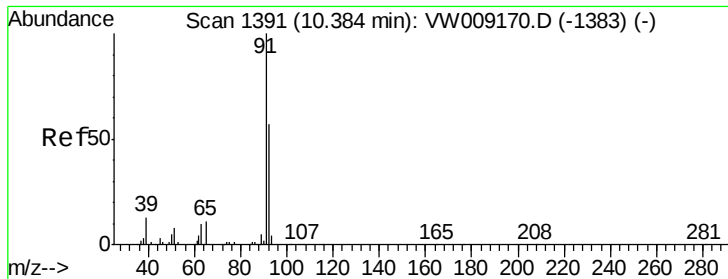
Ion Ratio Lower Upper

43 100

58 35.4 28.2 42.2

100 14.2 11.4 17.2





#44

Toluene

Concen: 26.652 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

Instrument :

MSVOA_W

ClientSampled :

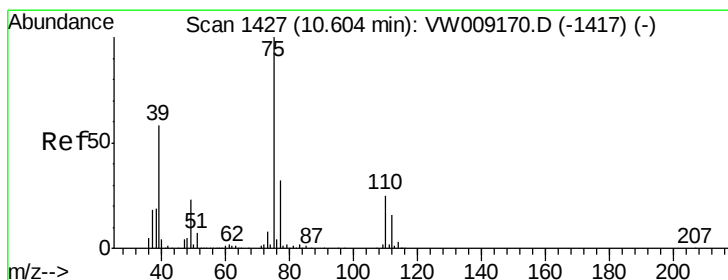
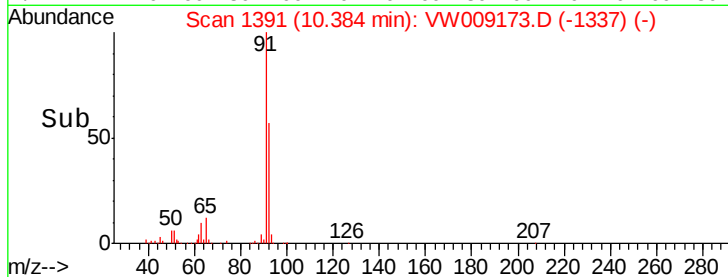
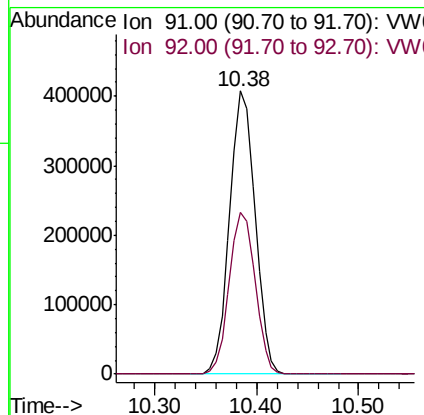
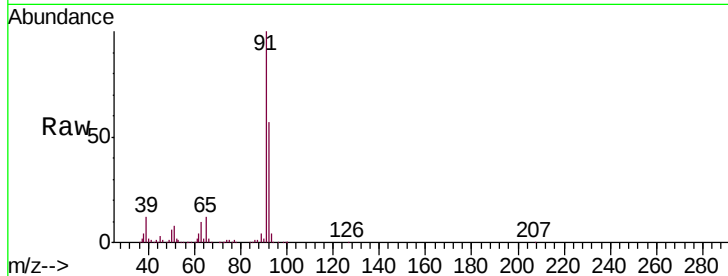
VICV06

Tgt Ion: 91 Resp: 706344

Ion Ratio Lower Upper

91 100

92 57.4 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 27.068 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009173.D

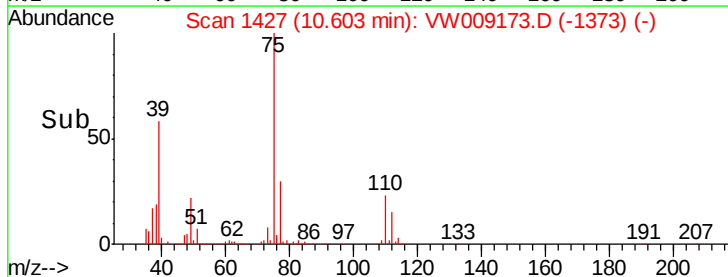
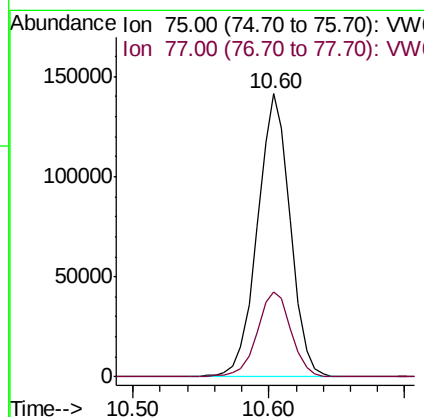
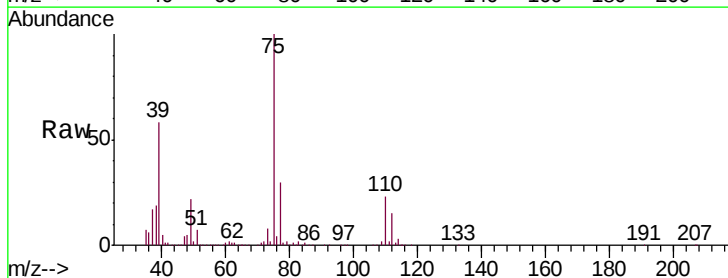
Acq: 14 Mar 2019 16:45

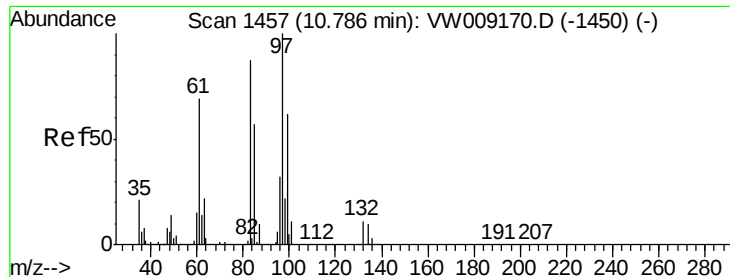
Tgt Ion: 75 Resp: 238548

Ion Ratio Lower Upper

75 100

77 30.1 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 26.402 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

Instrument :

MSVOA_W

ClientSampleId :

VICV06

Tgt Ion: 97 Resp: 131016

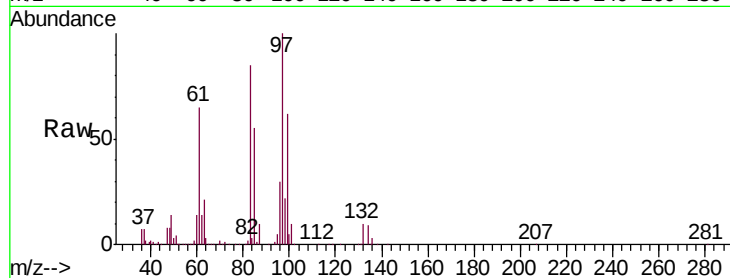
Ion Ratio Lower Upper

97 100

83 84.5 60.7 112.7

85 54.9 40.1 74.5

99 62.1 43.8 81.3

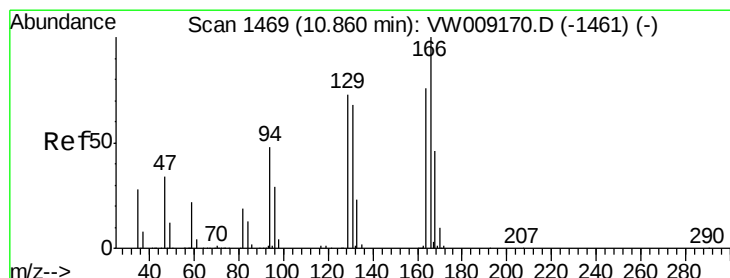
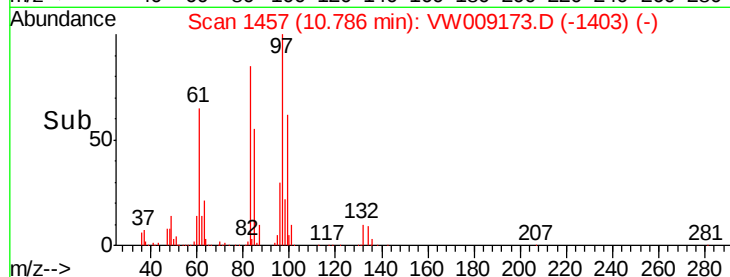
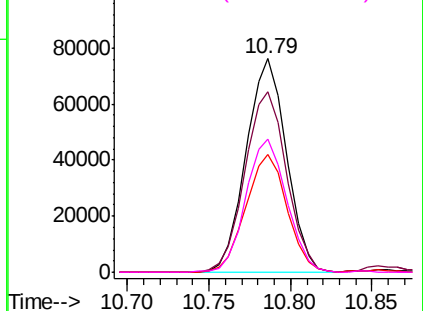


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 26.020 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

Tgt Ion: 164 Resp: 142002

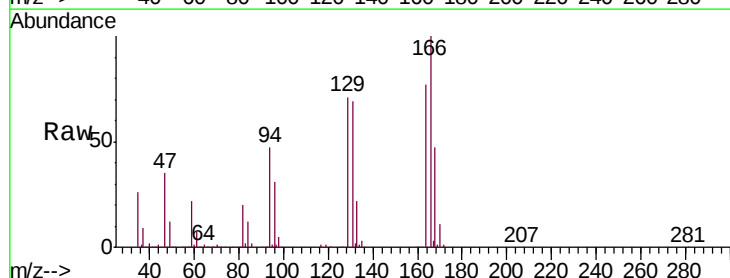
Ion Ratio Lower Upper

164 100

129 92.5 66.5 123.5

131 89.4 62.6 116.3

166 129.6 91.6 170.0

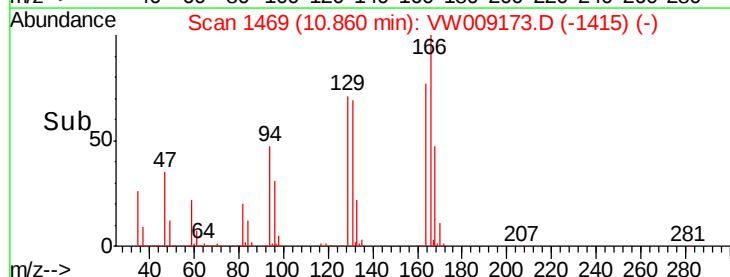
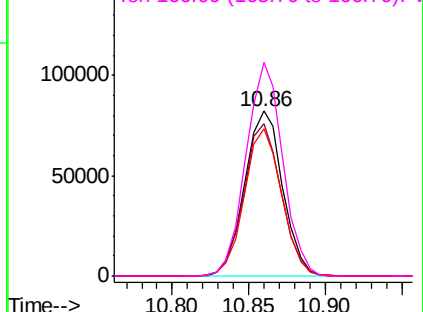


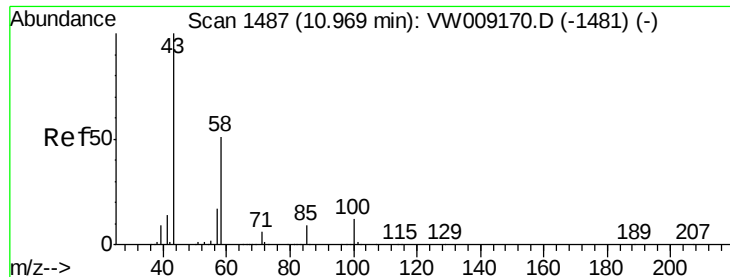
Abundance Ion 164.00 (163.70 to 164.70): V

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

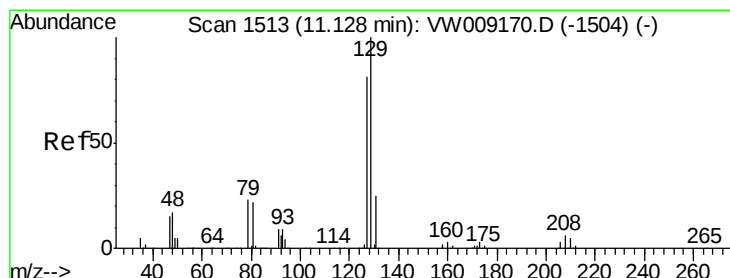
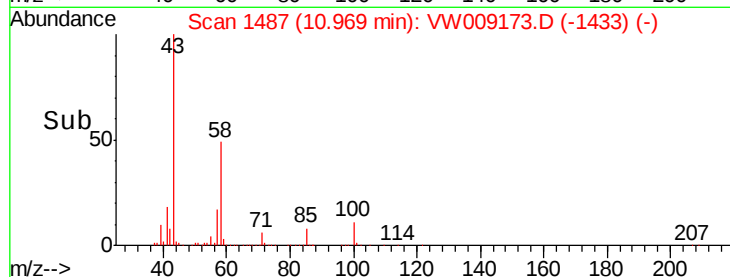
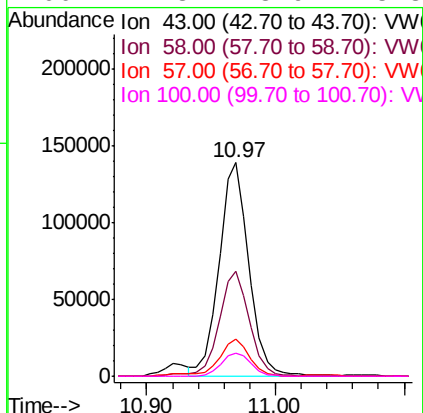
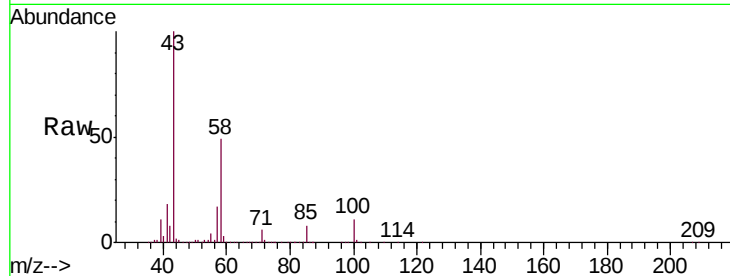




#49
2-Hexanone
Concen: 56.482 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009173.D
Acq: 14 Mar 2019 16:45

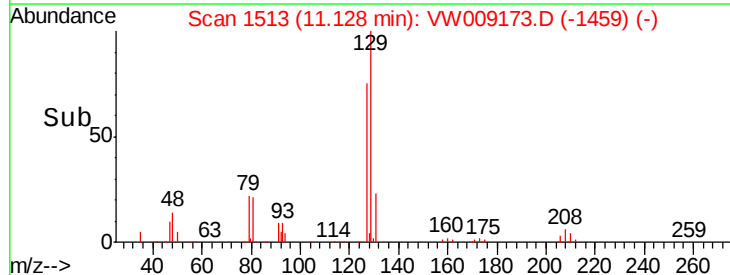
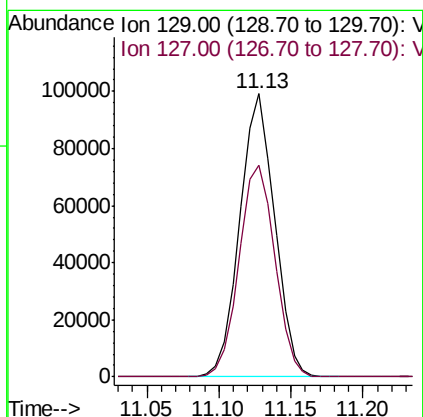
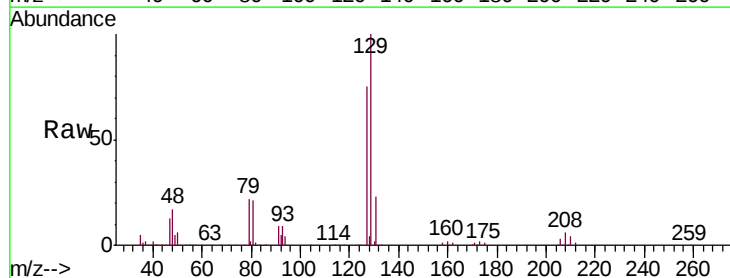
Instrument :
MSVOA_W
ClientSampled :
VICV06

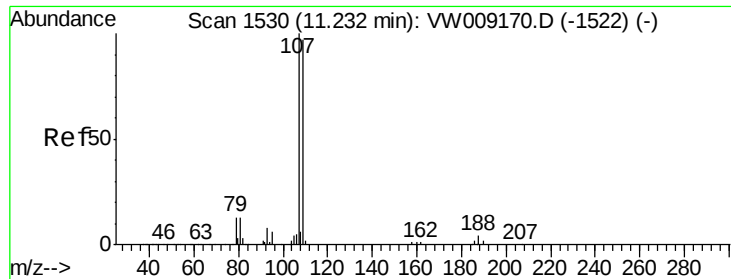
Tgt Ion: 43 Resp: 224219
Ion Ratio Lower Upper
43 100
58 49.4 39.2 58.8
57 17.2 14.2 21.2
100 11.3 8.9 13.3



#50
Dibromochloromethane
Concen: 27.217 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009173.D
Acq: 14 Mar 2019 16:45

Tgt Ion: 129 Resp: 166725
Ion Ratio Lower Upper
129 100
127 74.7 56.8 105.6

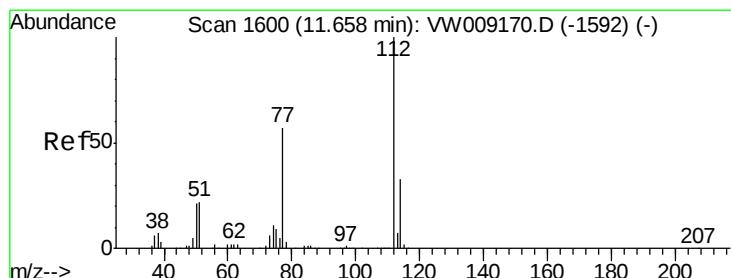
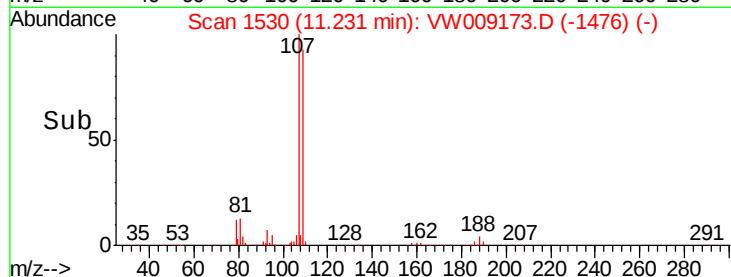
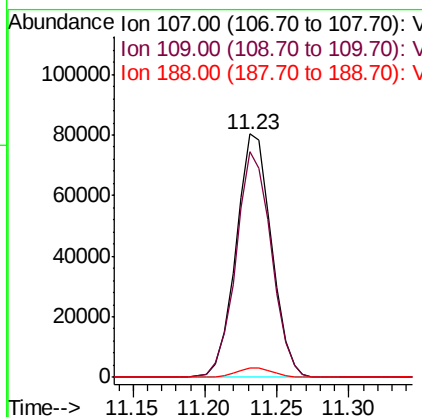
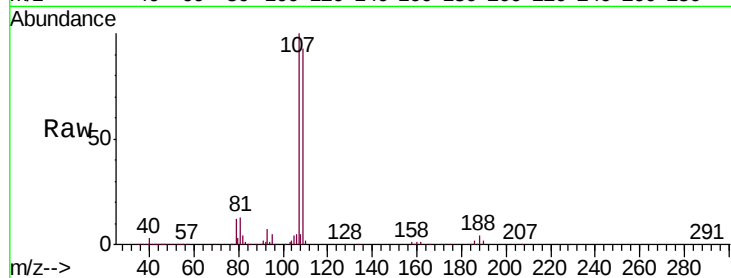




#51
 1,2-Dibromoethane
 Concen: 27.244 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW009173.D
 Acq: 14 Mar 2019 16:45

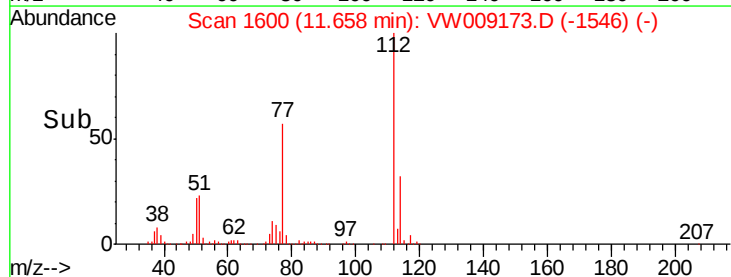
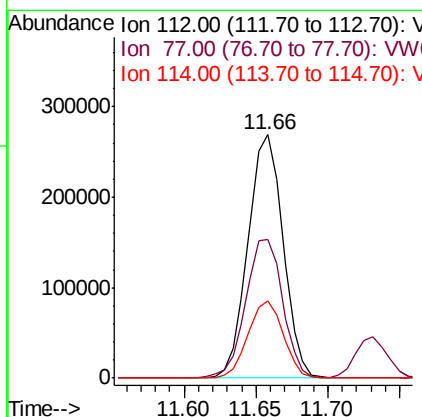
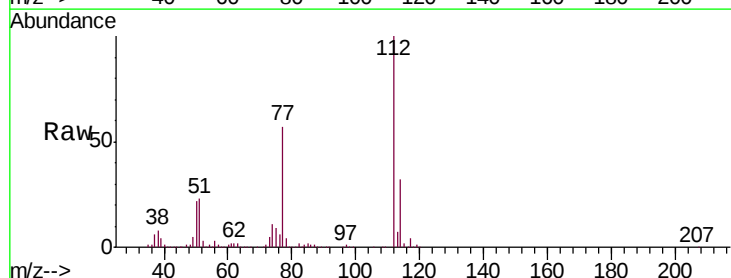
Instrument :
 MSVOA_W
 ClientSampled :
 VICV06

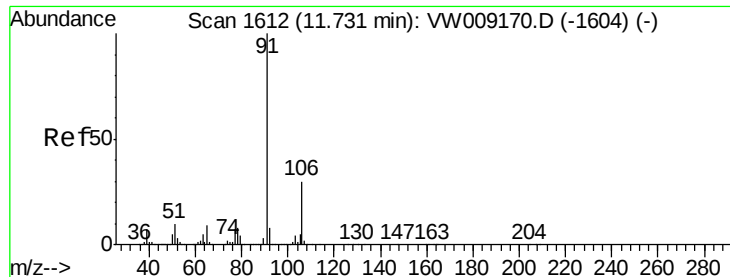
Tgt Ion:107 Resp: 137053
 Ion Ratio Lower Upper
 107 100
 109 92.6 68.0 126.4
 188 3.9 3.5 5.3



#52
 Chlorobenzene
 Concen: 26.676 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW009173.D
 Acq: 14 Mar 2019 16:45

Tgt Ion:112 Resp: 453439
 Ion Ratio Lower Upper
 112 100
 77 57.1 45.7 68.5
 114 32.0 22.8 42.4





#53

Ethylbenzene

Concen: 27.134 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

Instrument :

MSVOA_W

ClientSampleId :

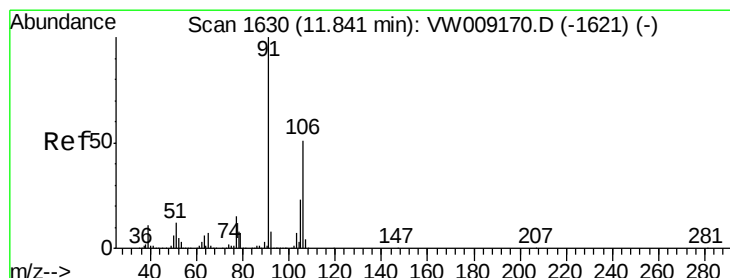
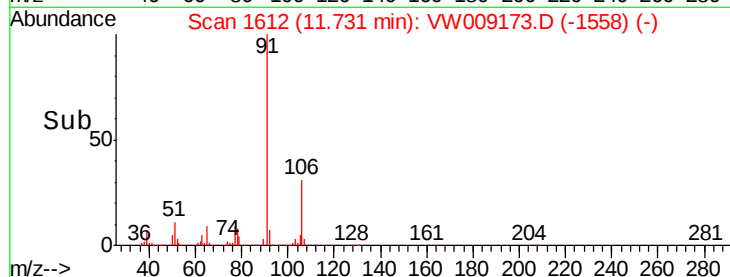
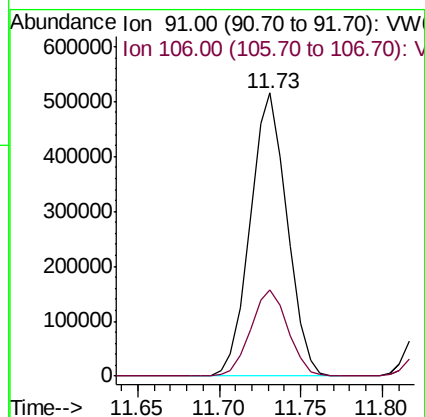
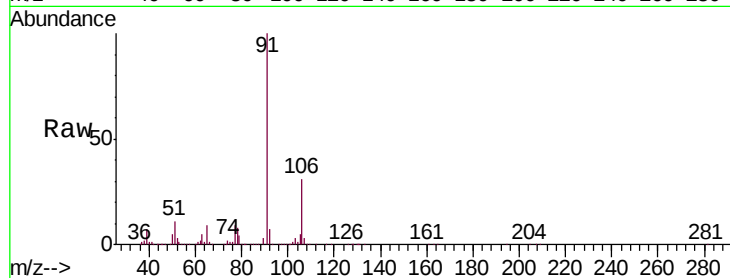
VICV06

Tgt Ion: 91 Resp: 808499

Ion Ratio Lower Upper

91 100

106 30.6 21.0 39.0



#54

m,p-Xylene

Concen: 26.817 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW009173.D

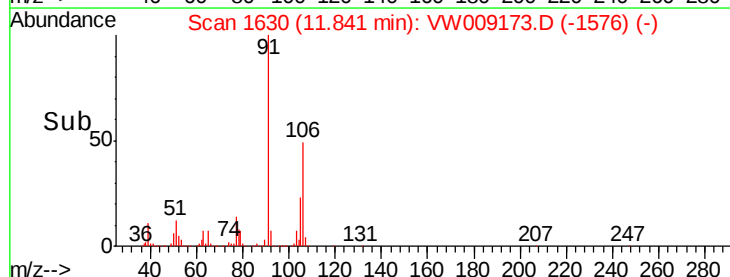
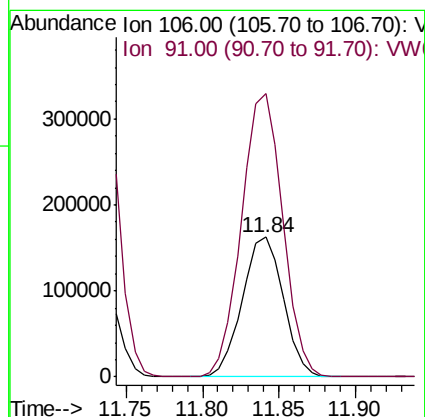
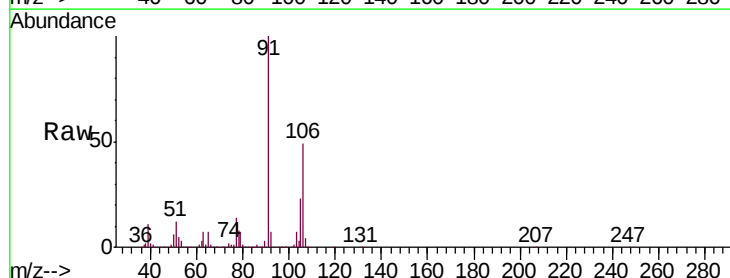
Acq: 14 Mar 2019 16:45

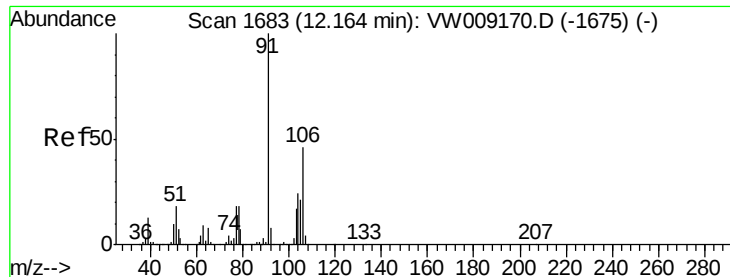
Tgt Ion: 106 Resp: 303572

Ion Ratio Lower Upper

106 100

91 202.9 138.4 257.0





#55

o-xylene

Concen: 26.544 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

Instrument :

MSVOA_W

ClientSampled :

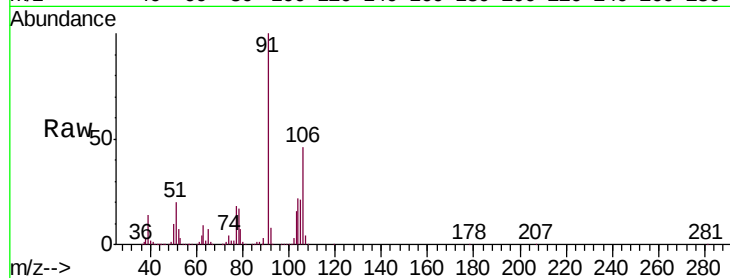
VICV06

Tgt Ion:106 Resp: 293137

Ion Ratio Lower Upper

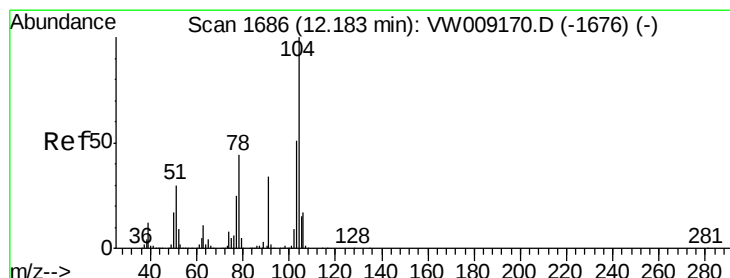
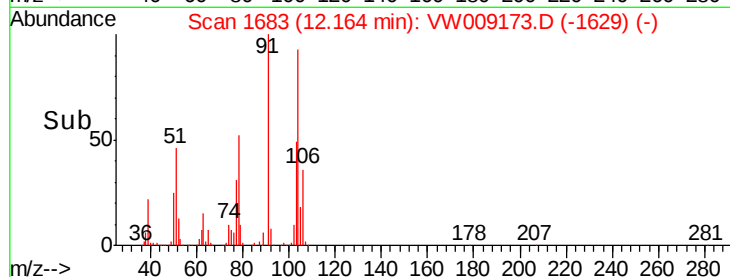
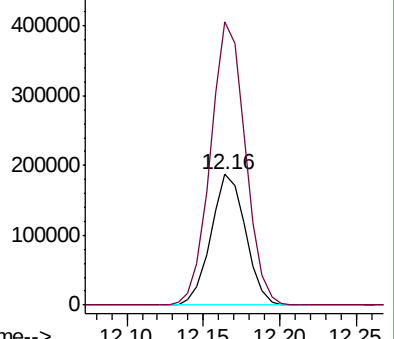
106 100

91 216.9 153.2 284.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.334 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW009173.D

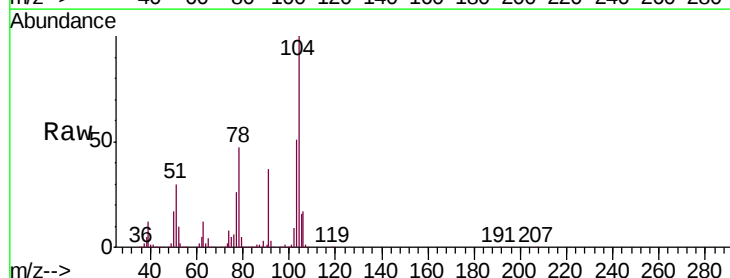
Acq: 14 Mar 2019 16:45

Tgt Ion:104 Resp: 515041

Ion Ratio Lower Upper

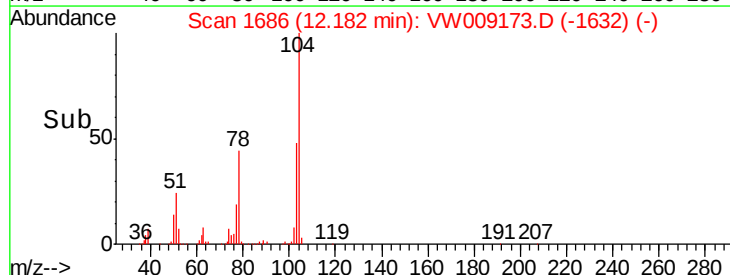
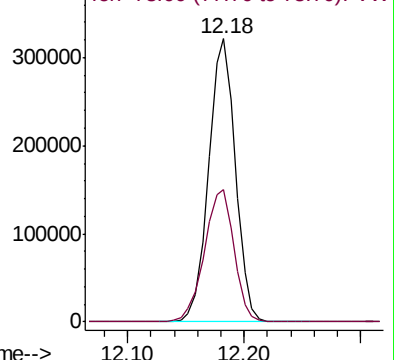
104 100

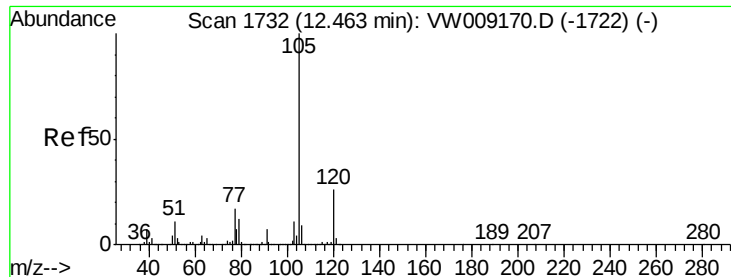
78 46.8 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.954 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

Instrument :

MSVOA_W

ClientSampleId :

VICV06

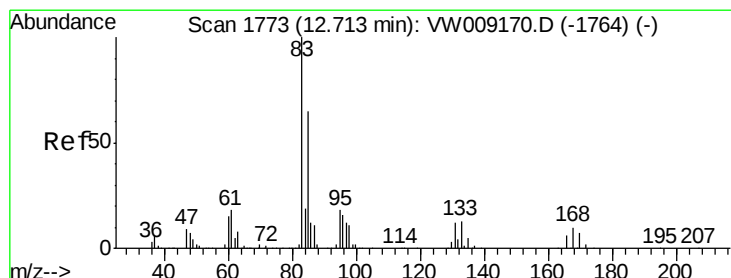
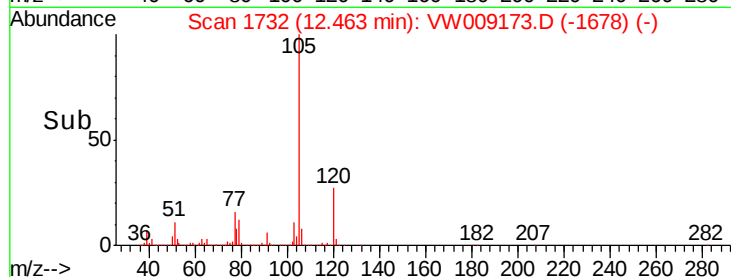
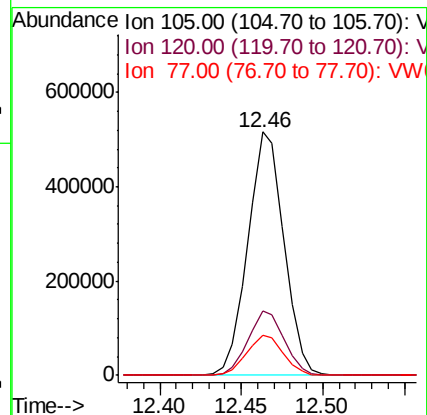
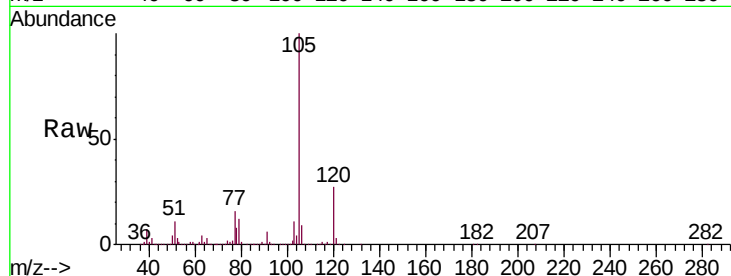
Tgt Ion: 105 Resp: 797389

Ion Ratio Lower Upper

105 100

120 26.5 21.3 31.9

77 16.6 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 26.838 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

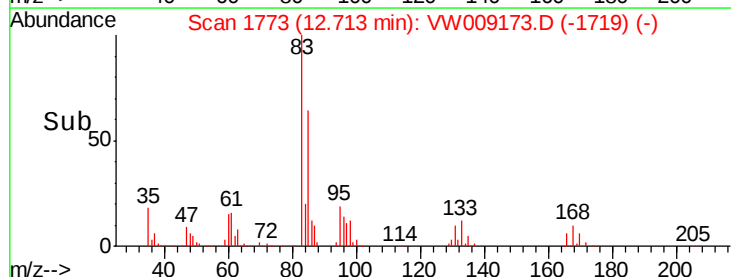
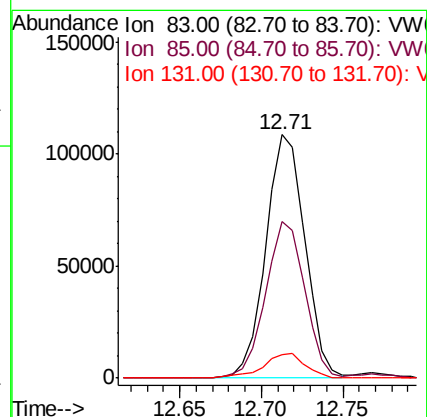
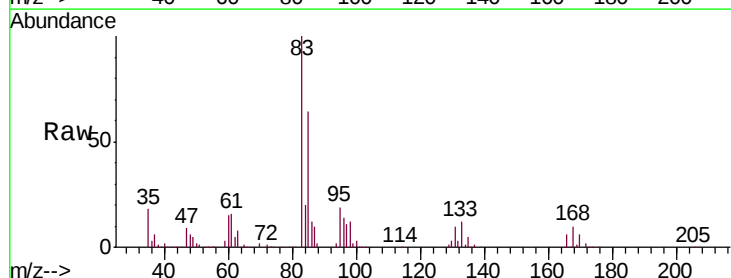
Tgt Ion: 83 Resp: 179663

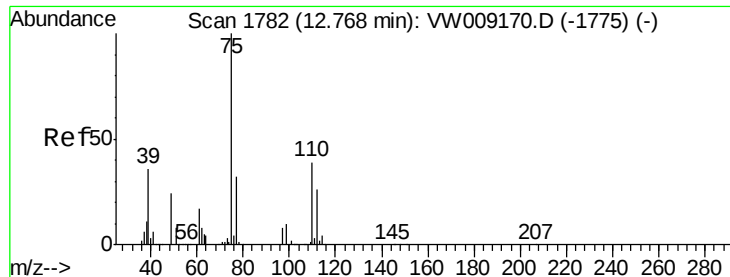
Ion Ratio Lower Upper

83 100

85 64.1 45.6 84.8

131 9.7 9.2 13.8





#59

1,2,3-Trichloropropane

Concen: 27.220 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

Instrument :

MSVOA_W

ClientSampleId :

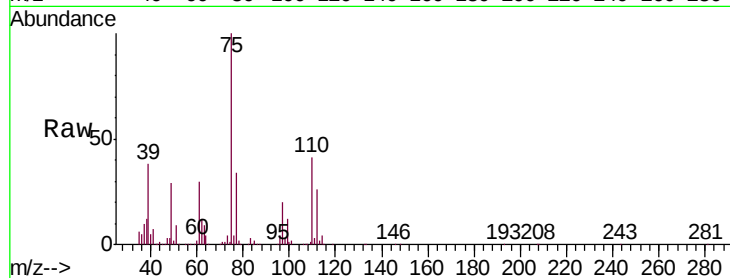
VICV06

Tgt Ion: 75 Resp: 135236

Ion Ratio Lower Upper

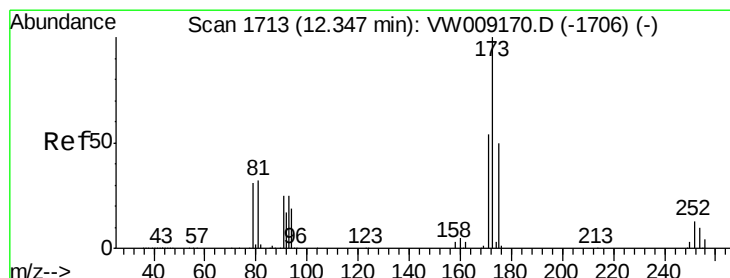
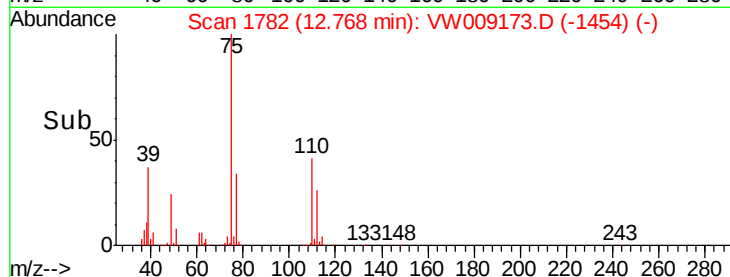
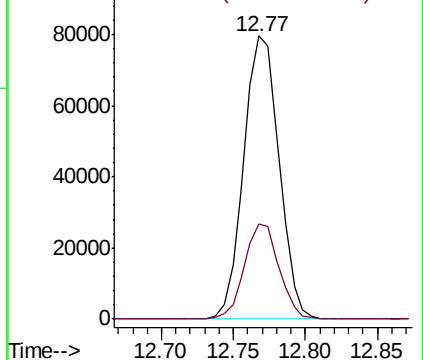
75 100

77 33.0 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 27.524 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

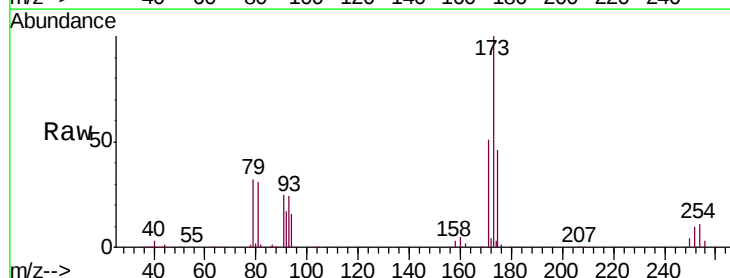
Tgt Ion: 173 Resp: 106408

Ion Ratio Lower Upper

173 100

175 48.7 39.7 59.5

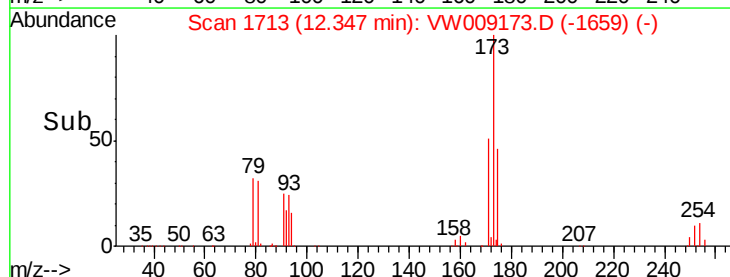
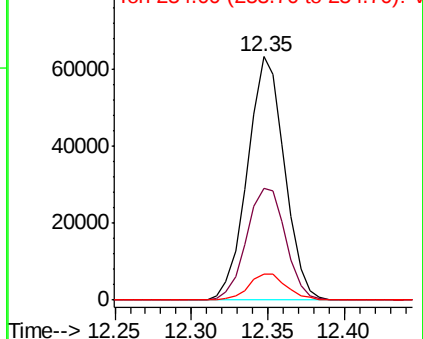
254 11.0 8.5 12.7

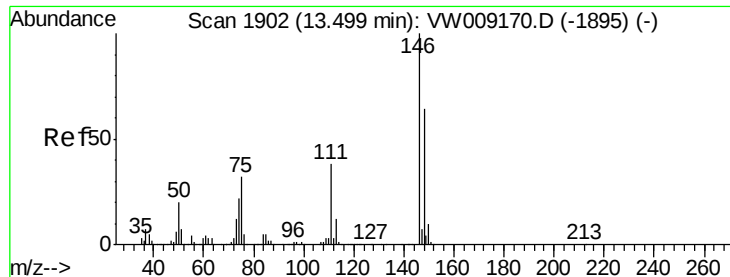


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

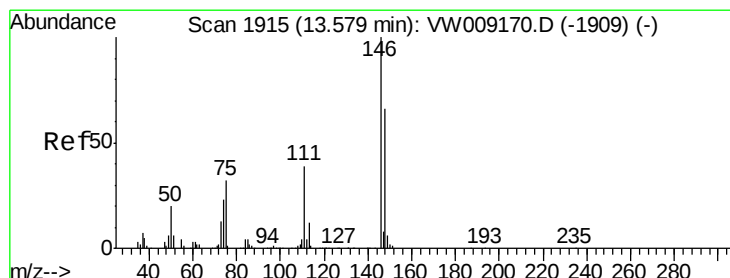
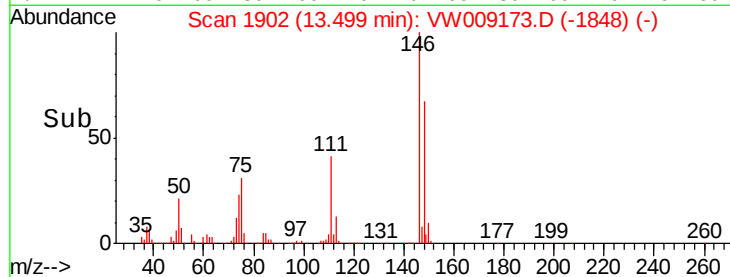
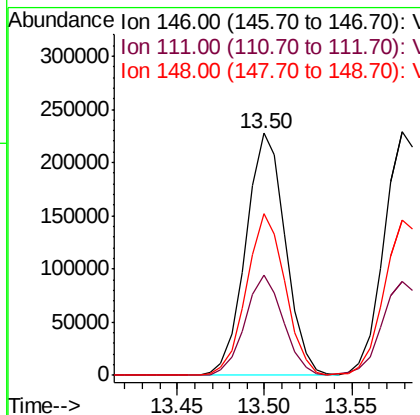
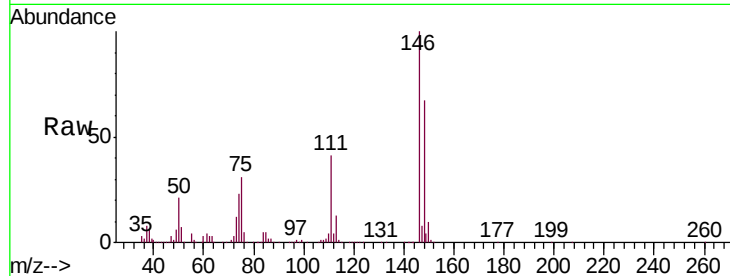




#63
 1,3-Dichlorobenzene
 Concen: 26.359 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009173.D
 Acq: 14 Mar 2019 16:45

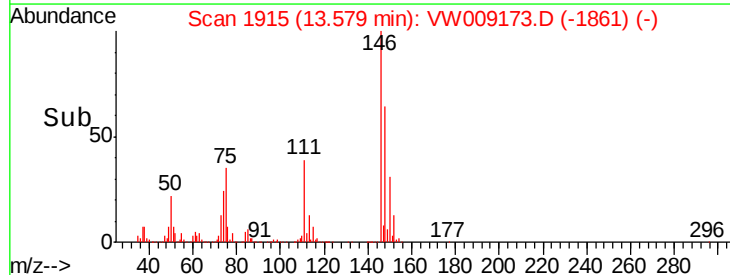
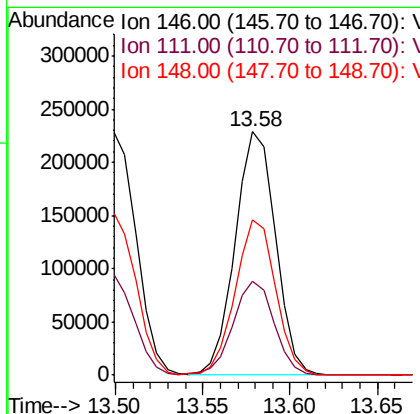
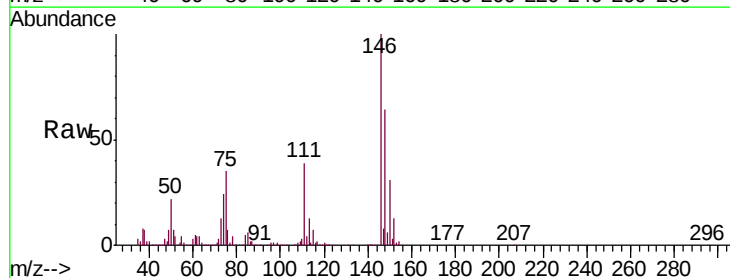
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV06

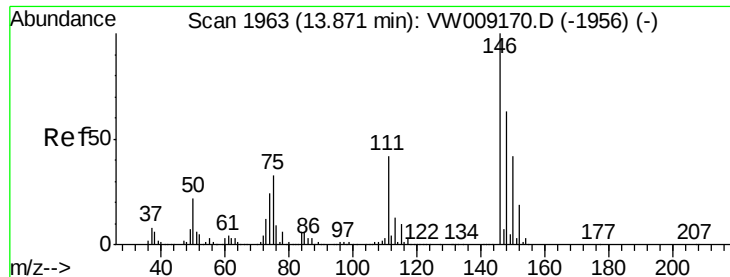
Tgt Ion:146 Resp: 359447
 Ion Ratio Lower Upper
 146 100
 111 41.4 26.9 49.9
 148 66.7 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 26.199 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009173.D
 Acq: 14 Mar 2019 16:45

Tgt Ion:146 Resp: 369372
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.8 51.6
 148 64.0 46.3 86.1





#65

1,2-Dichlorobenzene

Concen: 26.532 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

Instrument :

MSVOA_W

ClientSampled :

VICV06

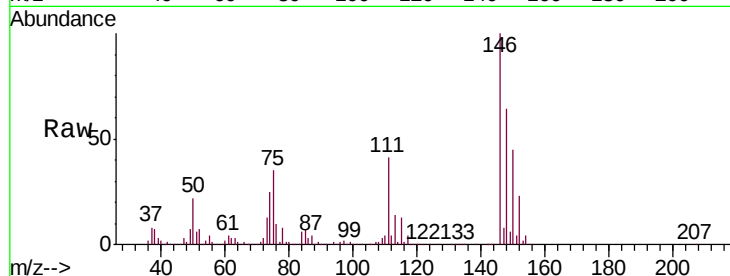
Tgt Ion:146 Resp: 345040

Ion Ratio Lower Upper

146 100

111 41.4 33.5 50.3

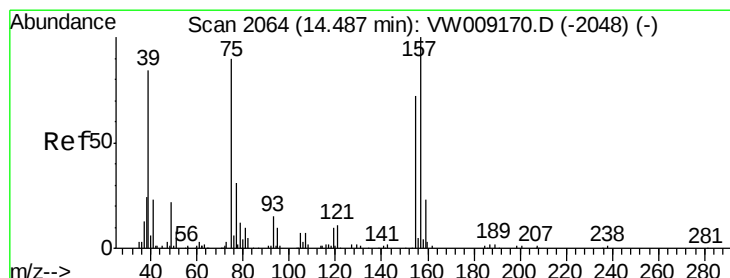
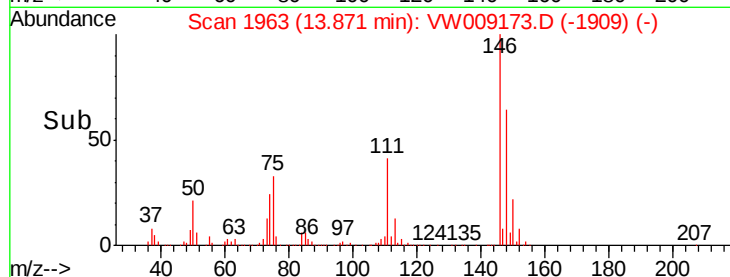
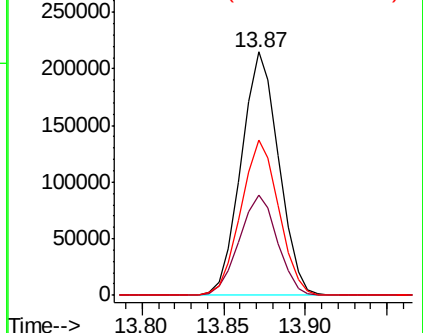
148 63.9 50.2 75.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 26.194 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

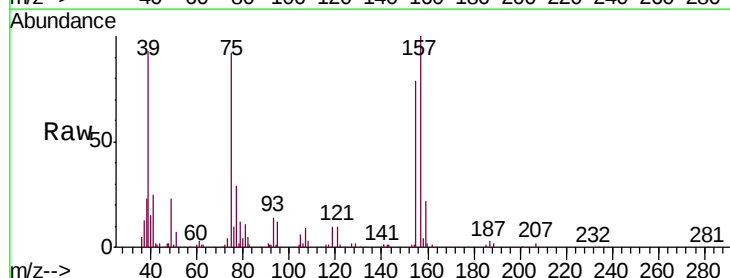
Tgt Ion: 75 Resp: 33385

Ion Ratio Lower Upper

75 100

157 108.2 89.0 133.4

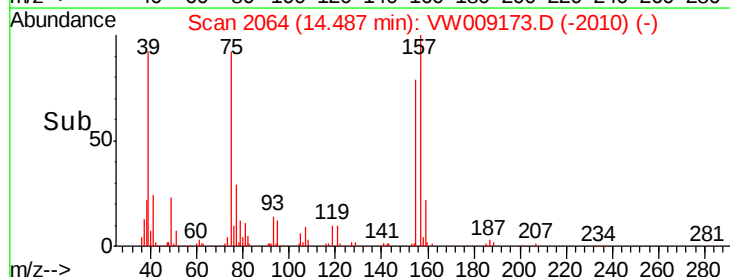
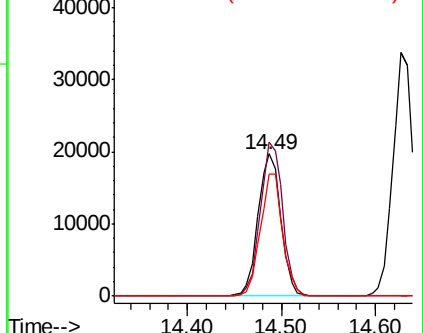
155 85.9 64.2 96.2

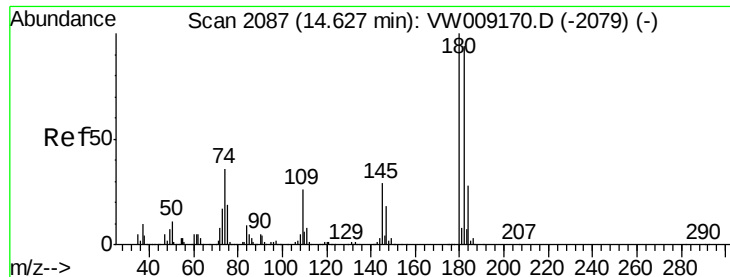


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

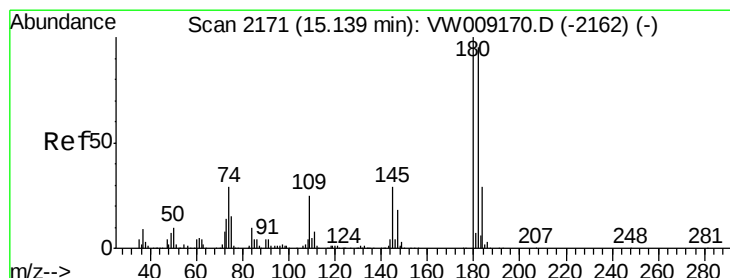
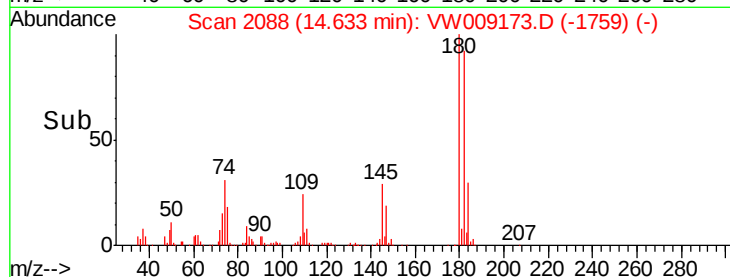
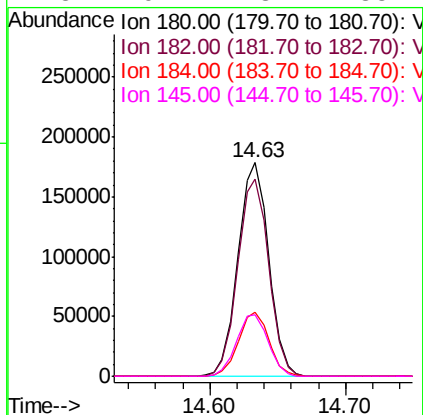
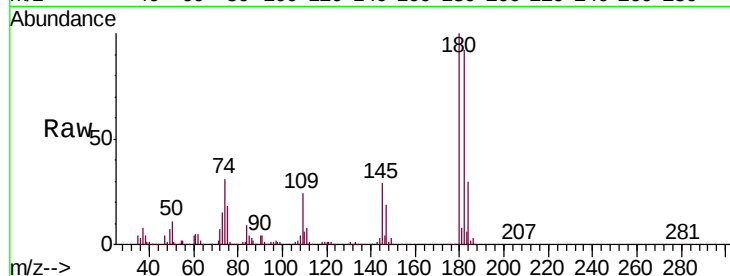




#67
 1,3,5-Trichlorobenzene
 Concen: 26.417 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW009173.D
 Acq: 14 Mar 2019 16:45

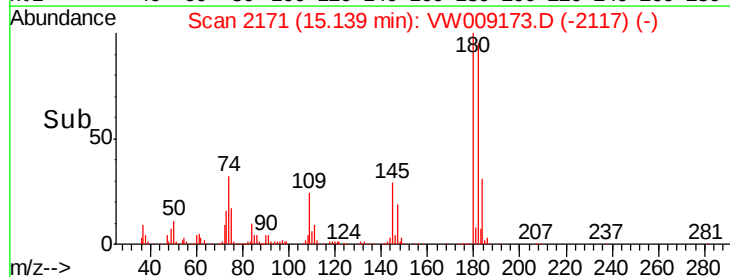
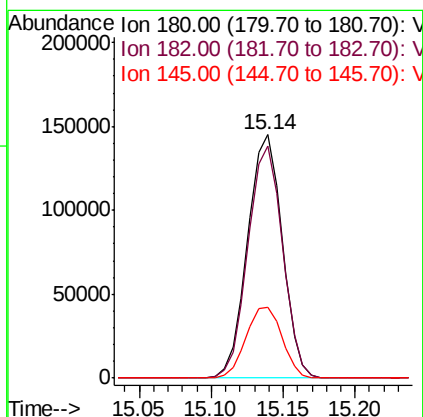
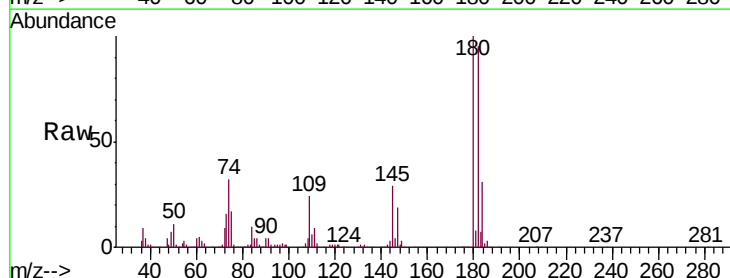
Instrument :
 MSVOA_W
 ClientSampled :
 VICV06

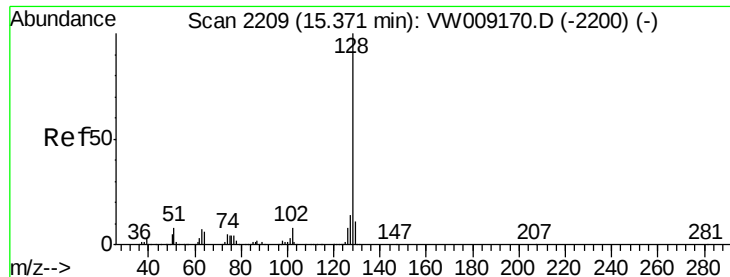
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	76.1	114.1
184	29.6	23.8	35.6
145	29.7	23.4	35.2



#68
 1,2,4-trichlorobenzene
 Concen: 27.031 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009173.D
 Acq: 14 Mar 2019 16:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.5	113.3
145	30.2	24.1	36.1





#69

Naphthalene

Concen: 28.718 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

Instrument :

MSVOA_W

ClientSampleId :

VICV06

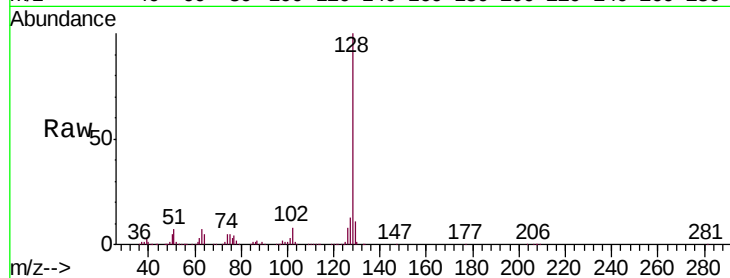
Tgt Ion:128 Resp: 531953

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

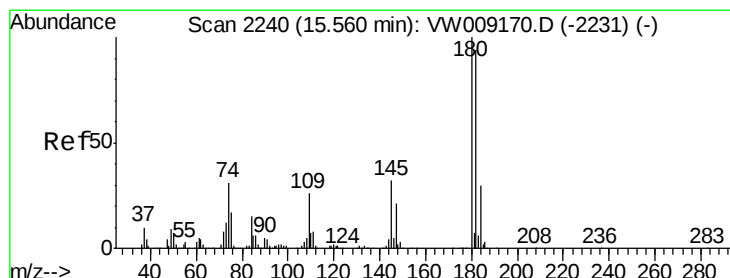
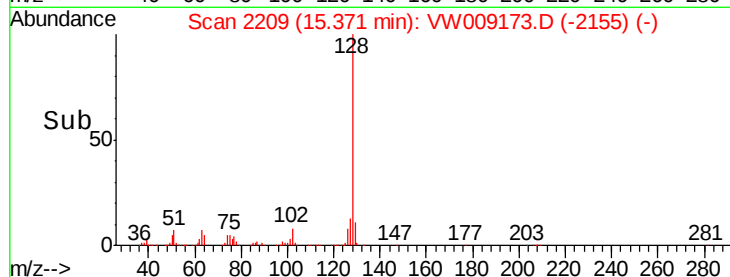
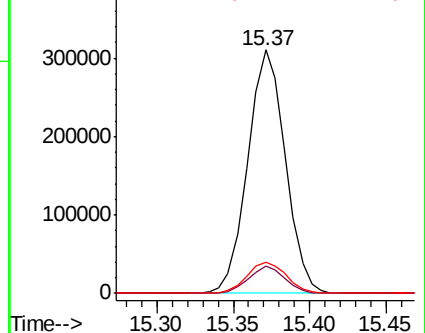
127 13.3 11.1 16.7



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: 27.232 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW009173.D

Acq: 14 Mar 2019 16:45

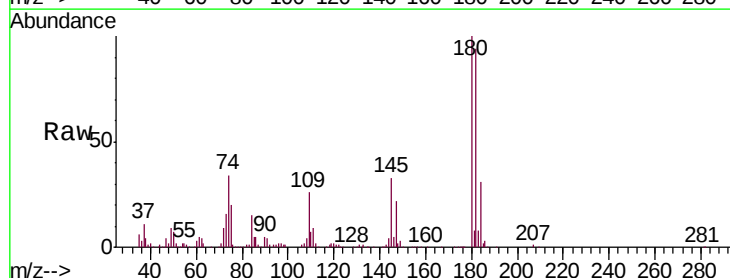
Tgt Ion:180 Resp: 227883

Ion Ratio Lower Upper

180 100

182 95.1 77.2 115.8

145 32.2 25.8 38.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

