

Data File : VW014875.D
Acq On : 05 Feb 2020 15:44
Operator : SY/VA
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VICV05

Quant Time: Feb 06 02:46:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 05 15:37:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1059864	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	948490	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	429760	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	414010	23.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.40%
7) Chloroethane-d5	2.89	69	333053	23.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.84%
10) 1,1-Dichloroethene-d2	4.02	63	763310	23.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.24%
20) 2-Butanone-d5	7.07	46	220069	44.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.38%
24) Chloroform-d	7.65	84	708968	23.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.24%
26) 1,2-Dichloroethane-d4	8.30	65	384765	23.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.40%
29) Benzene-d6	8.27	84	1462595	23.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.92%
33) 1,2-Dichloropropane-d6	9.27	67	472174	23.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.04%
37) Toluene-d8	10.32	98	1299358	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.84%
38) trans-1,3-Dichloropropene-	10.57	79	187870	23.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.76%
39) 2-Hexanone-d5	10.92	63	170916	47.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	340070	22.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	388790	23.33	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.32%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	250949	23.031	ug/L	90
3) Chloromethane	2.21	50	398220	24.119	ug/L	98
5) Vinyl chloride	2.37	62	510627	23.686	ug/L	99
6) Bromomethane	2.78	94	259609	24.083	ug/L	100
8) Chloroethane	2.93	64	281923	23.901	ug/L	100
9) Trichlorofluoromethane	3.26	101	209168	24.002	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	366265	23.809	ug/L	99
12) 1,1-Dichloroethene	4.04	96	362259	24.095	ug/L	95
13) Acetone	4.12	43	210320	41.379	ug/L	99
14) Carbon disulfide	4.38	76	1084231	24.018	ug/L	100
15) Methyl Acetate	4.67	43	196923	23.544	ug/L	99
16) Methylene chloride	4.92	84	412197	21.348	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	490545	24.975	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	371247	24.371	ug/L	96
19) 1,1-Dichloroethane	6.21	63	766577	24.840	ug/L	98
21) 2-Butanone	7.17	43	267929	45.023	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	405262	24.596	ug/L	96

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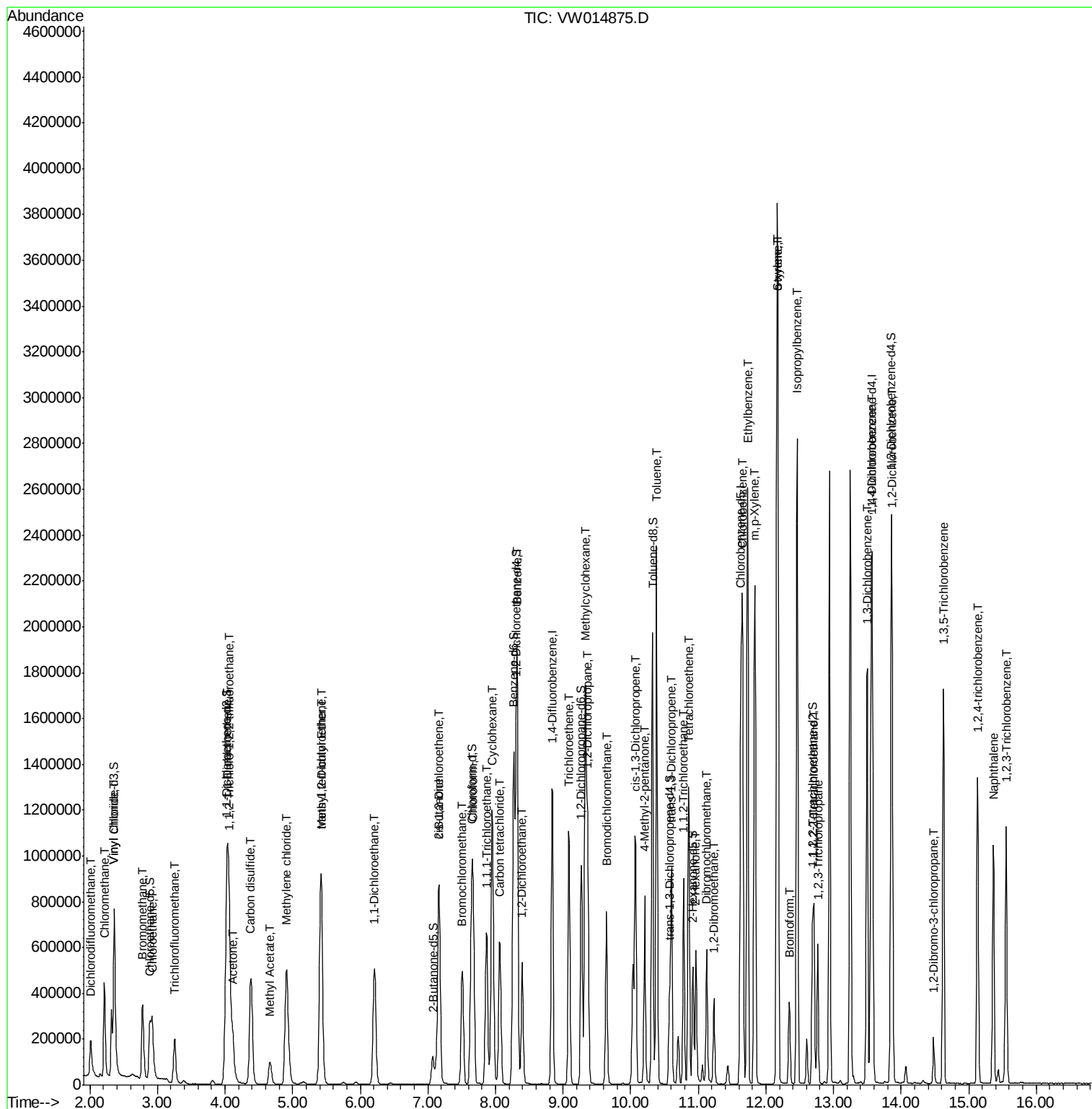
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	163982	24.257	ug/L	98
25) Chloroform	7.67	83	706050	24.906	ug/L	100
27) 1,2-Dichloroethane	8.40	62	472004	24.150	ug/L	100
30) Cyclohexane	7.95	56	708995	25.087	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	532414	24.618	ug/L	99
32) Carbon tetrachloride	8.07	117	476969	24.535	ug/L	100
34) Benzene	8.32	78	1623741	24.895	ug/L	100
35) Trichloroethene	9.09	95	396658	24.535	ug/L	99
36) Methylcyclohexane	9.33	83	678912	24.107	ug/L	100
40) 1,2-Dichloropropane	9.37	63	433908	24.860	ug/L	100
41) Bromodichloromethane	9.64	83	500101	25.001	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	632203	25.508	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	551169	48.158	ug/L	100
44) Toluene	10.38	91	1663374	25.121	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	498923	24.998	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	274676	23.906	ug/L	99
47) Tetrachloroethene	10.86	164	279097	23.494	ug/L	95
49) 2-Hexanone	10.96	43	390423	48.565	ug/L	99
50) Dibromochloromethane	11.13	129	301741	24.435	ug/L	100
51) 1,2-Dibromoethane	11.23	107	256715	24.013	ug/L	98
52) Chlorobenzene	11.65	112	991345	24.488	ug/L	98
53) Ethylbenzene	11.73	91	1833728	25.315	ug/L	99
54) m,p-Xylene	11.83	106	673748	25.464	ug/L	99
55) o-xylene	12.16	106	644626	25.599	ug/L	99
56) Styrene	12.18	104	1101901	25.891	ug/L	98
57) Isopropylbenzene	12.46	105	1725943	25.521	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	342178	23.859	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	253143	23.461	ug/L	99
62) Bromoform	12.35	173	160646	24.521	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	718143	24.738	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	714557	24.436	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	661035	24.895	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	54103	23.897	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	507751	24.421	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	413904	25.196	ug/L	100
69) Naphthalene	15.36	128	843396	26.101	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	374230	24.672	ug/L	98

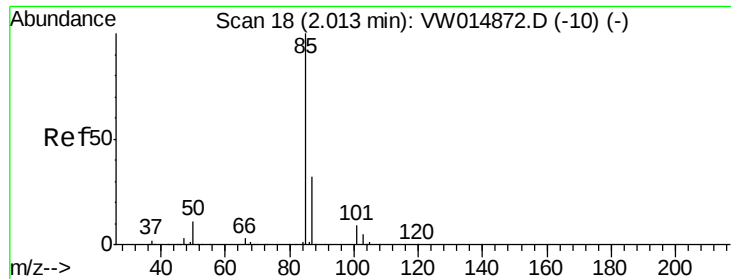
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.031 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW014875.D

Acq: 05 Feb 2020 15:44

Instrument :

MSVOA_W

ClientSampleId :

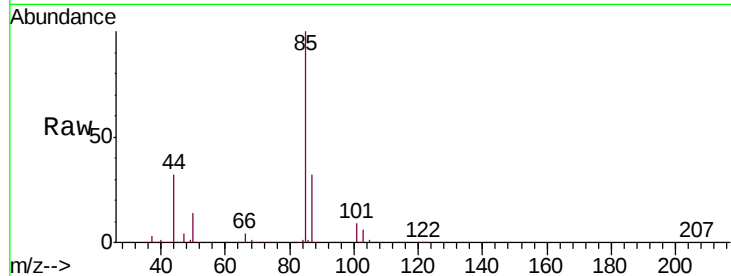
VICV05

Tgt Ion: 85 Resp: 250949

Ion Ratio Lower Upper

85 100

87 31.0 18.1 33.7



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01

100000

80000

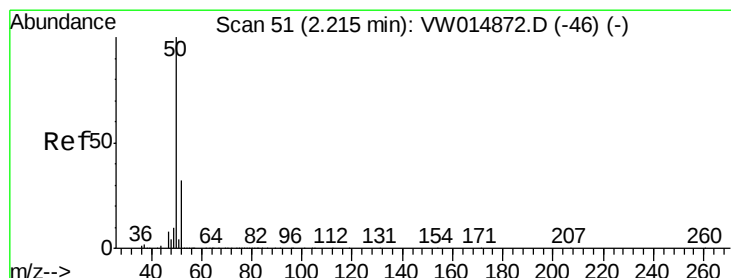
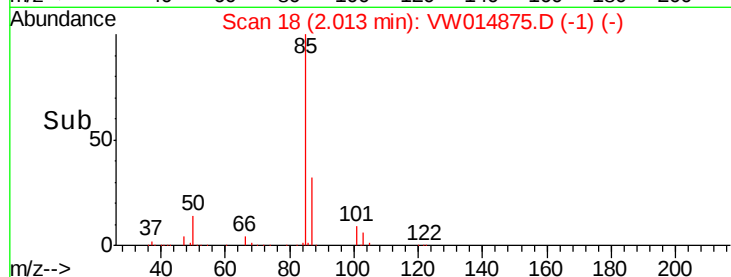
60000

40000

20000

0

Time--> 1.90 2.00 2.10



#3

Chloromethane

Concen: 24.119 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014875.D

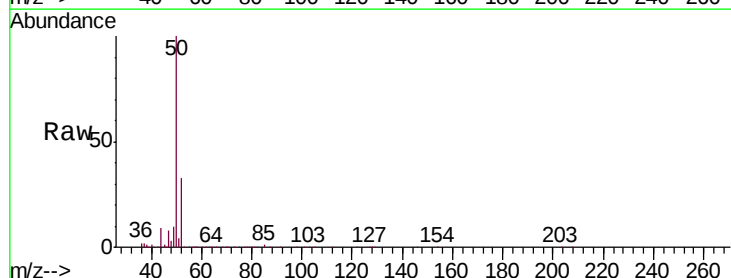
Acq: 05 Feb 2020 15:44

Tgt Ion: 50 Resp: 398220

Ion Ratio Lower Upper

50 100

52 32.6 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21

300000

250000

200000

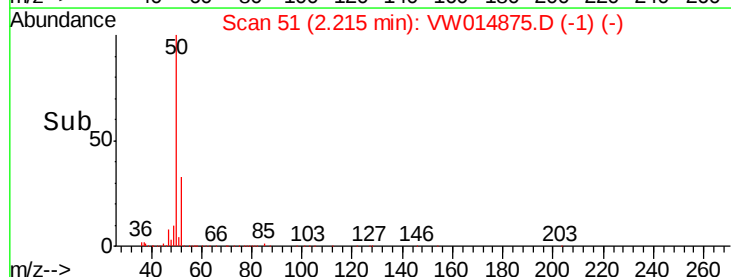
150000

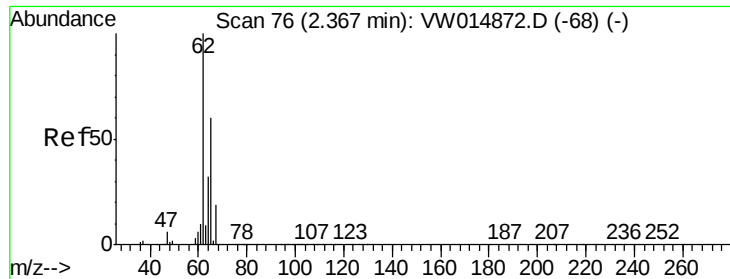
100000

50000

0

Time--> 2.15 2.20 2.25 2.30





#5

Vinyl chloride

Concen: 23.686 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW014875.D

Acq: 05 Feb 2020 15:44

Instrument :

MSVOA_W

ClientSampleId :

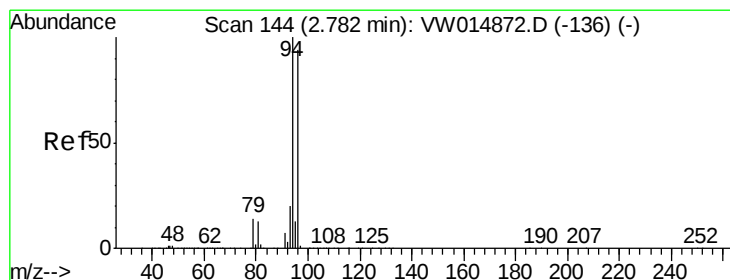
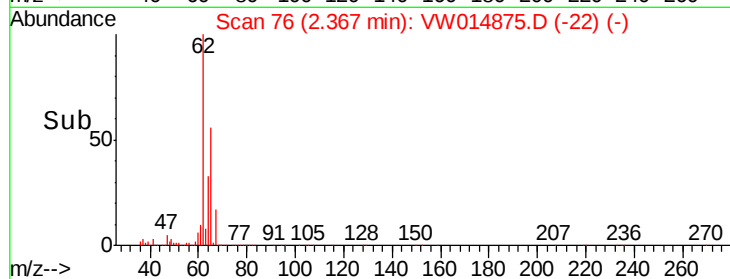
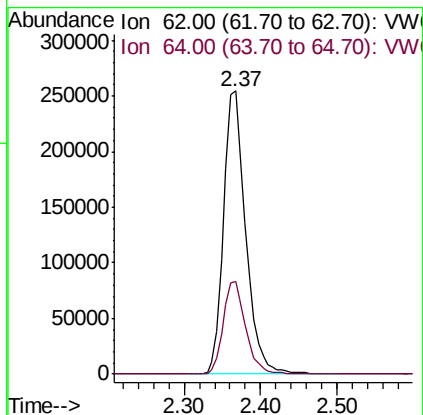
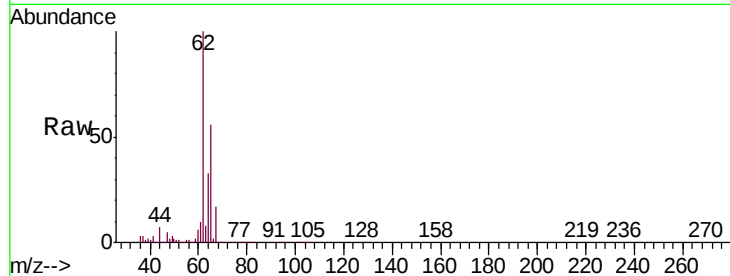
VICV05

Tgt Ion: 62 Resp: 510627

Ion Ratio Lower Upper

62 100

64 32.7 22.5 41.9



#6

Bromomethane

Concen: 24.083 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW014875.D

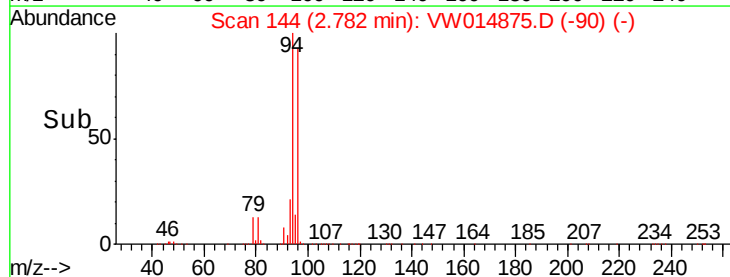
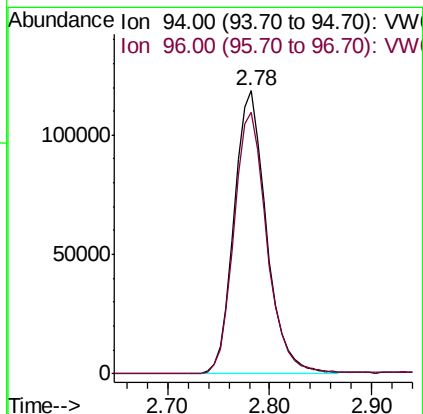
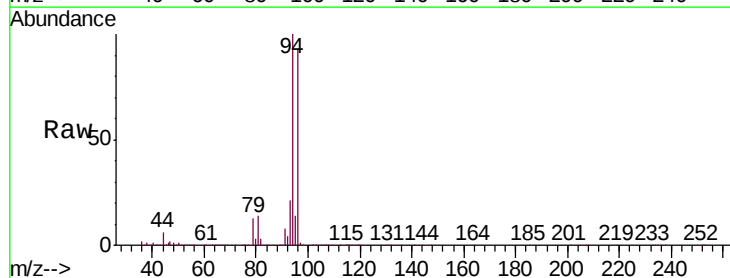
Acq: 05 Feb 2020 15:44

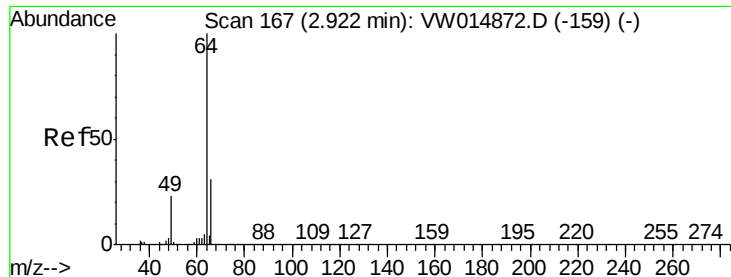
Tgt Ion: 94 Resp: 259609

Ion Ratio Lower Upper

94 100

96 94.2 9.4 178.0





#8

Chloroethane

Concen: 23.901 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW014875.D

Acq: 05 Feb 2020 15:44

Instrument :

MSVOA_W

ClientSampleId :

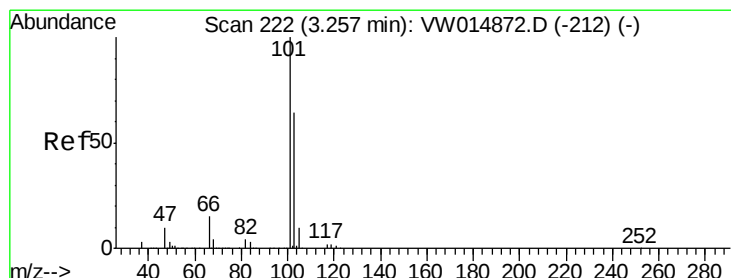
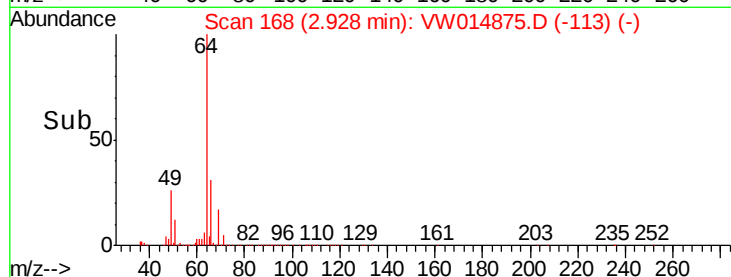
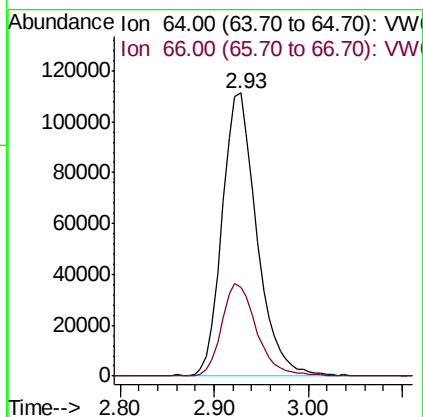
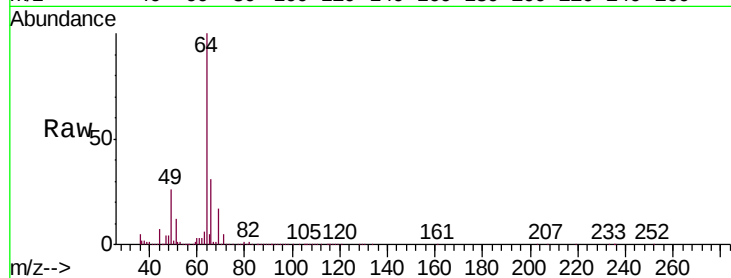
VICV05

Tgt Ion: 64 Resp: 281923

Ion Ratio Lower Upper

64 100

66 31.4 21.9 40.7



#9

Trichlorofluoromethane

Concen: 24.002 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW014875.D

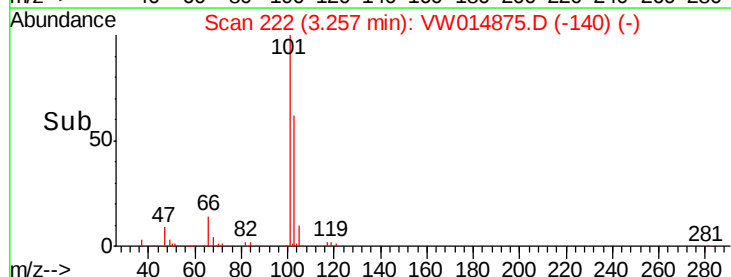
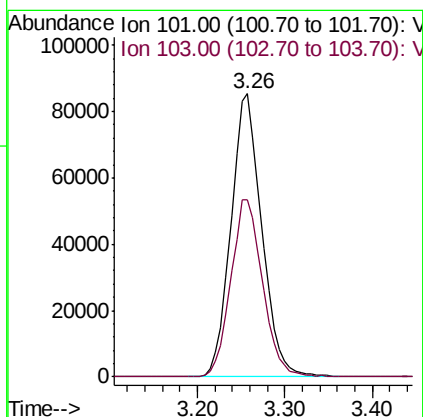
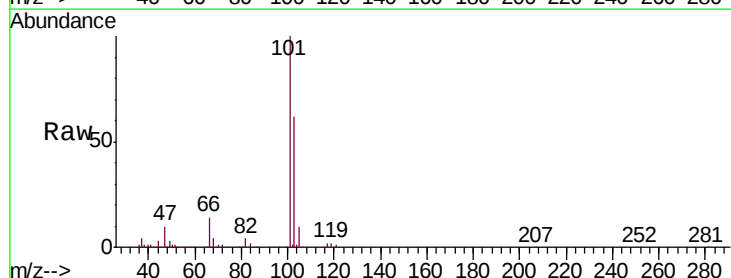
Acq: 05 Feb 2020 15:44

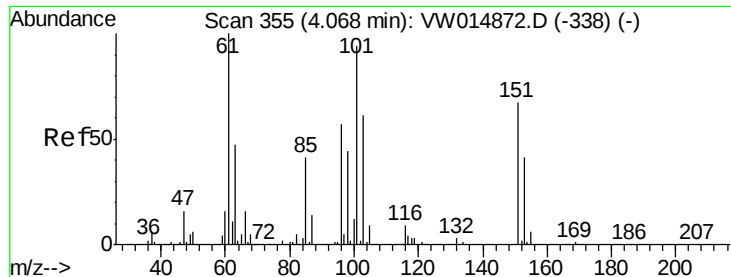
Tgt Ion: 101 Resp: 209168

Ion Ratio Lower Upper

101 100

103 64.4 45.8 85.0





#11

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

Concen: 23.809 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

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Instrument :

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ClientSampleId :

VICV05

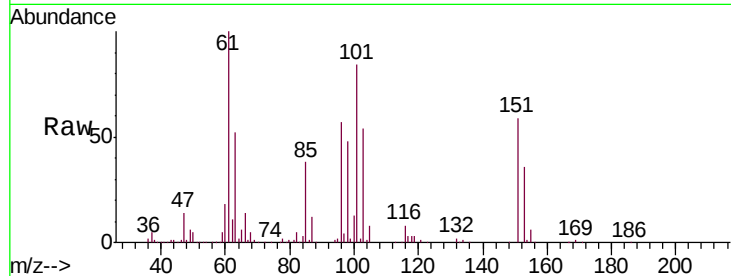
Tgt Ion:101 Resp: 366265

Ion Ratio Lower Upper

101 100

85 43.3 34.8 52.2

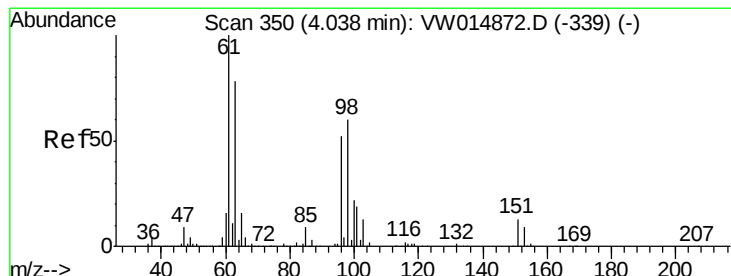
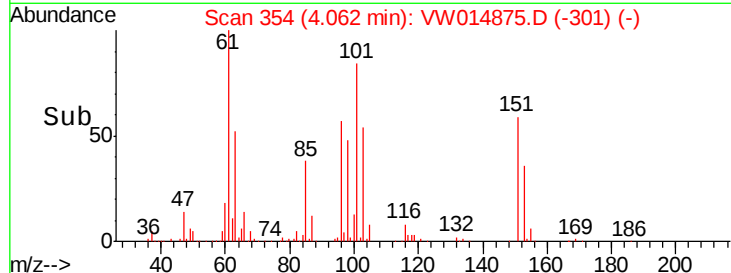
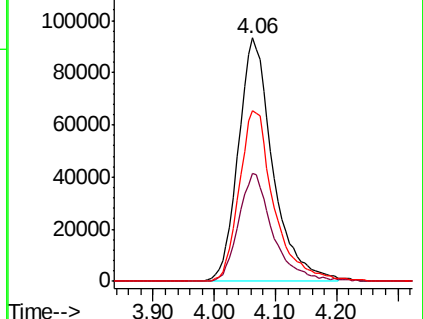
151 69.1 56.3 84.5



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: 24.095 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014875.D

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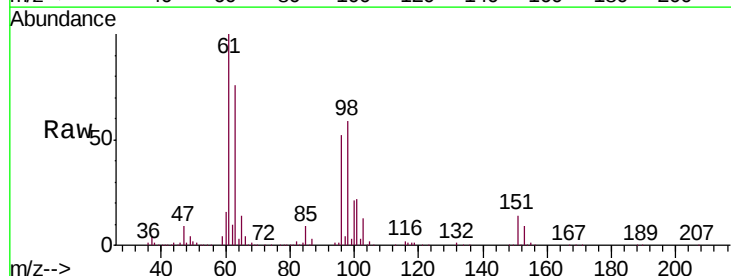
Tgt Ion: 96 Resp: 362259

Ion Ratio Lower Upper

96 100

61 191.4 134.7 250.1

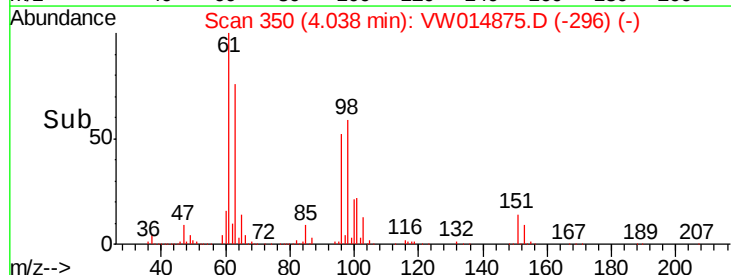
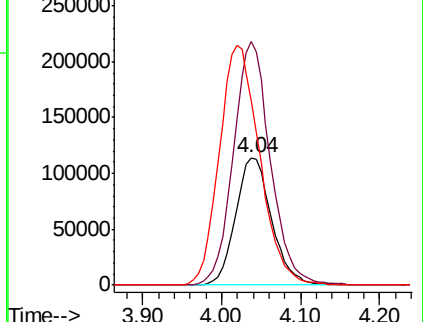
63 145.1 110.2 204.8

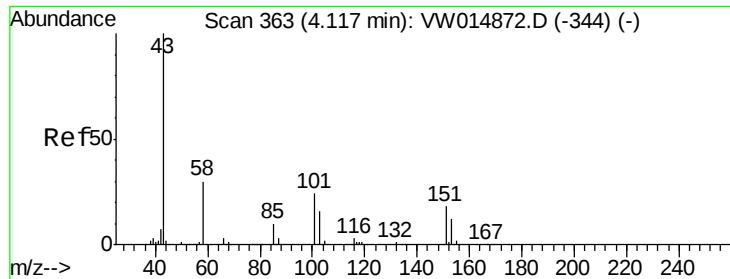


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 41.379 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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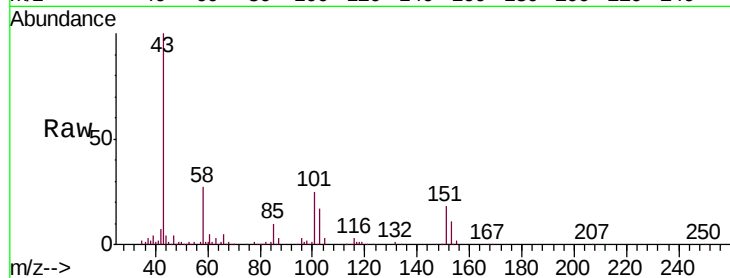
VICV05

Tgt Ion: 43 Resp: 210320

Ion Ratio Lower Upper

43 100

58 29.6 0.0 60.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

80000

60000

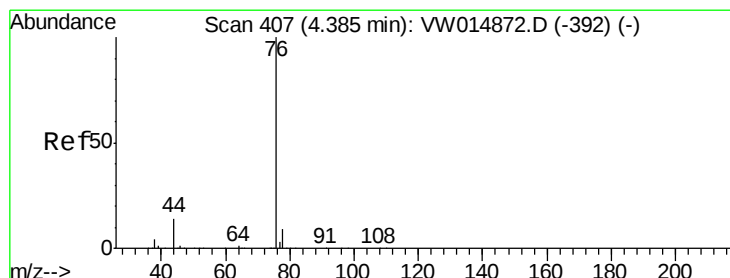
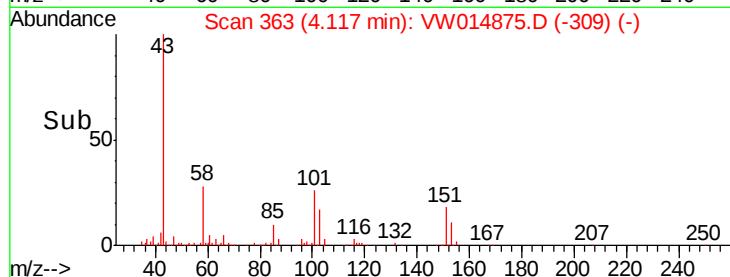
40000

20000

0

4.00 4.10 4.20 4.30

Time-->



#14

Carbon disulfide

Concen: 24.018 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014875.D

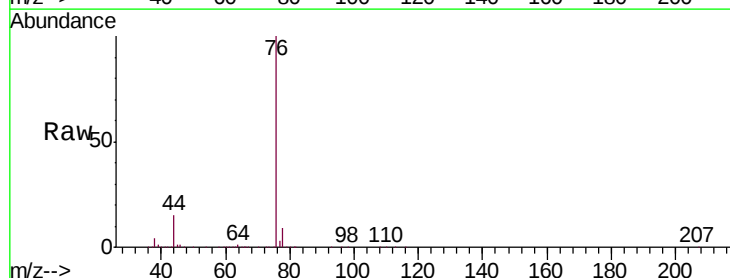
Acq: 05 Feb 2020 15:44

Tgt Ion: 76 Resp: 1084231

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

400000

300000

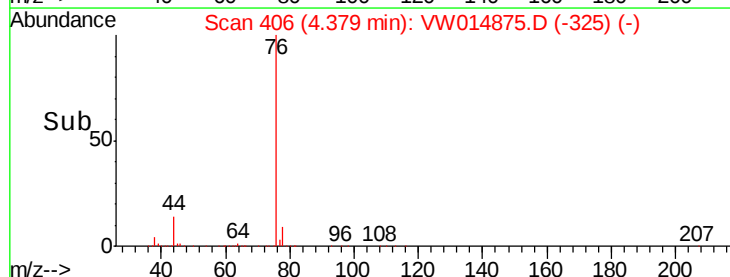
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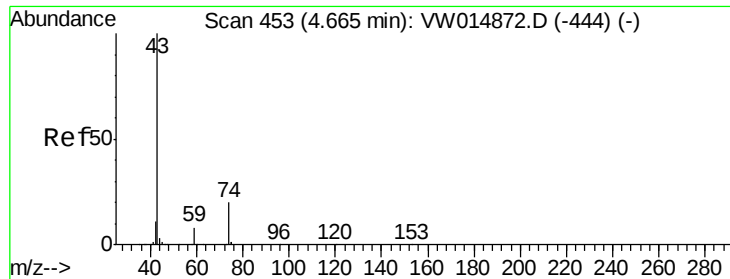
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4.20 4.30 4.40 4.50 4.60

Time-->

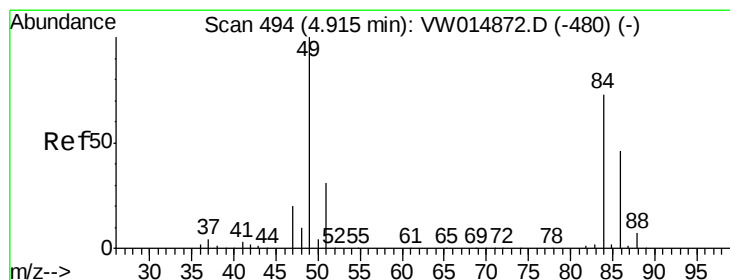
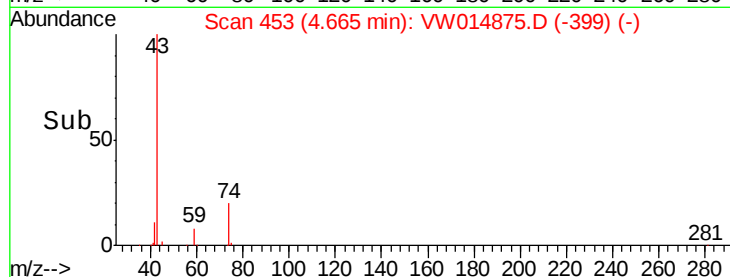
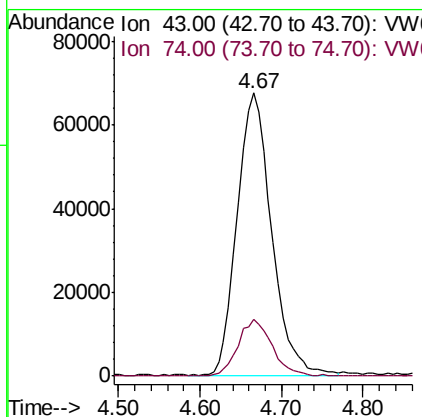
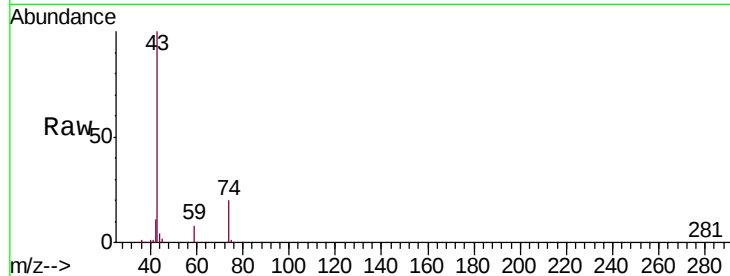




#15
Methyl Acetate
Concen: 23.544 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW014875.D
Acq: 05 Feb 2020 15:44

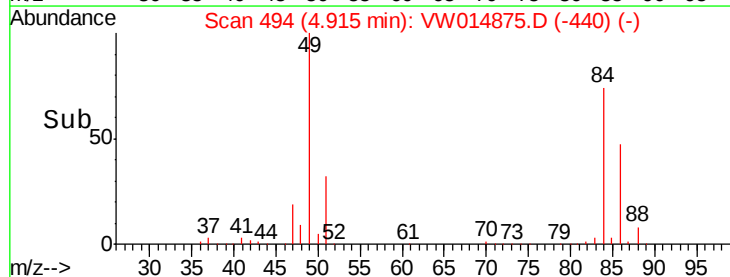
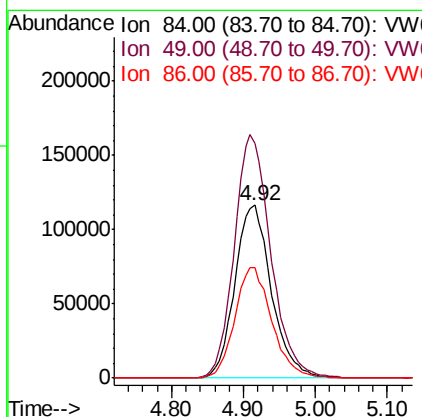
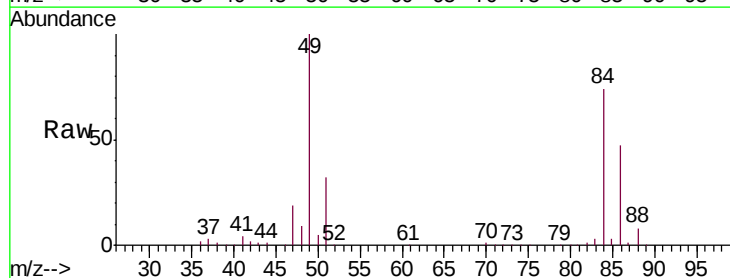
Instrument :
MSVOA_W
ClientSampleId :
VICV05

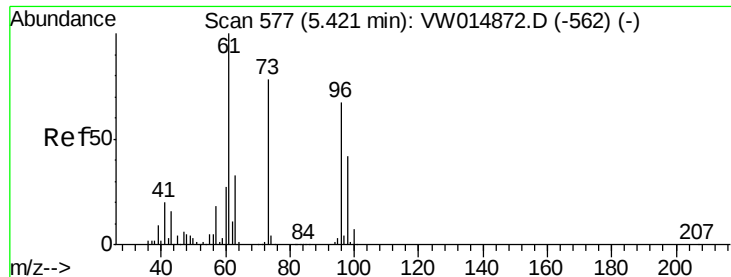
Tgt Ion: 43 Resp: 196923
Ion Ratio Lower Upper
43 100
74 19.9 16.5 24.7



#16
Methylene chloride
Concen: 21.348 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW014875.D
Acq: 05 Feb 2020 15:44

Tgt Ion: 84 Resp: 412197
Ion Ratio Lower Upper
84 100
49 135.9 95.8 177.8
86 63.8 44.2 82.2

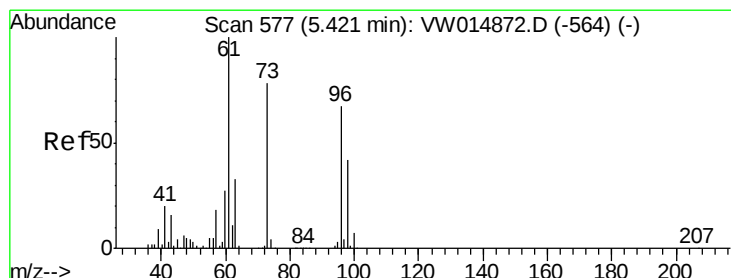
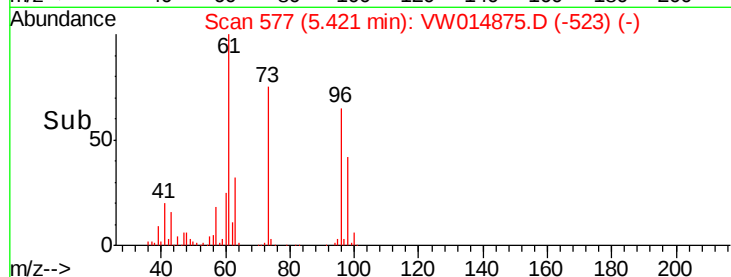
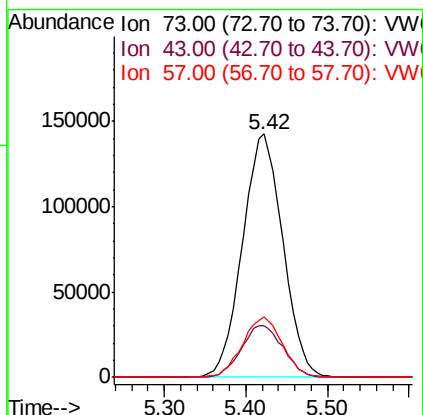
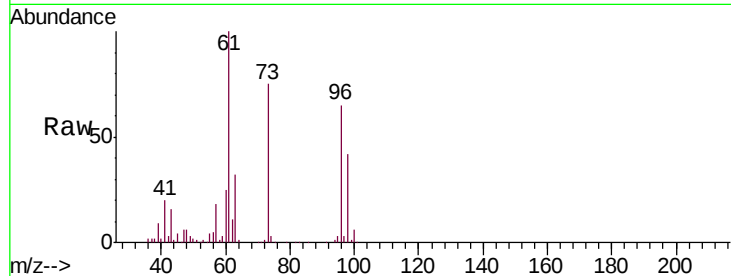




#17
Methyl tert-butyl Ether
Concen: 24.975 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014875.D
Acq: 05 Feb 2020 15:44

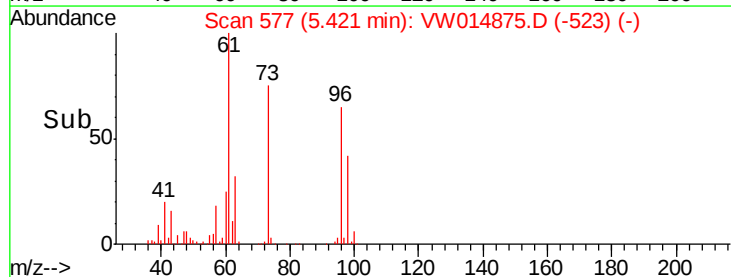
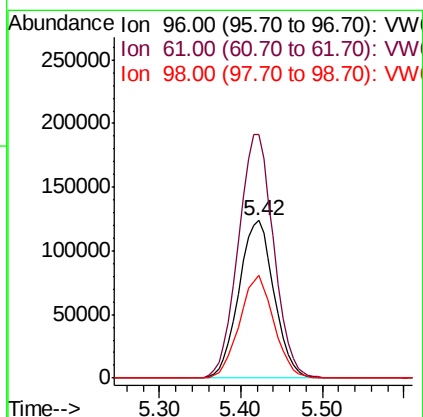
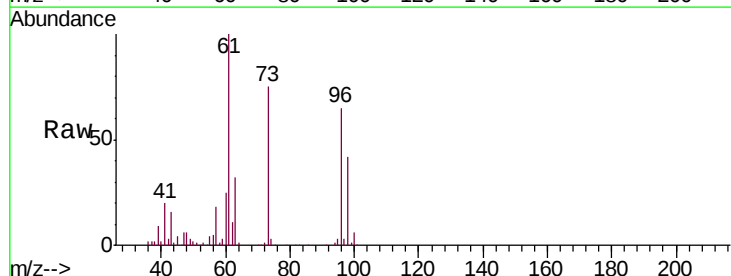
Instrument :
MSVOA_W
ClientSampled :
VICV05

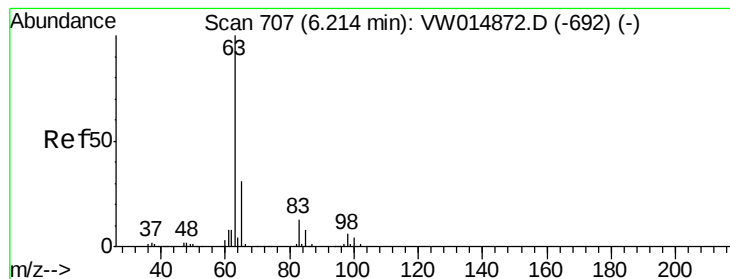
Tgt Ion: 73 Resp: 490545
Ion Ratio Lower Upper
73 100
43 21.9 17.5 26.3
57 24.7 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 24.371 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014875.D
Acq: 05 Feb 2020 15:44

Tgt Ion: 96 Resp: 371247
Ion Ratio Lower Upper
96 100
61 154.7 104.4 194.0
98 65.5 43.8 81.3





#19

1,1-Dichloroethane

Concen: 24.840 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW014875.D

Acq: 05 Feb 2020 15:44

Instrument :

MSVOA_W

ClientSampled :

VICV05

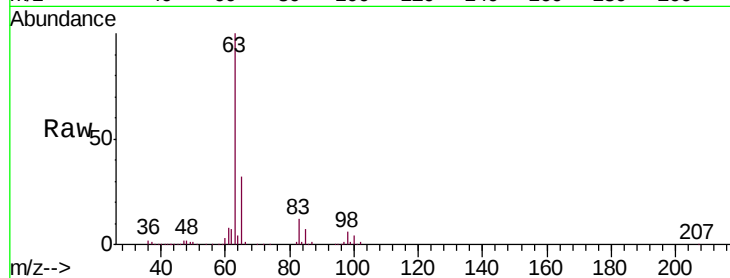
Tgt Ion: 63 Resp: 766577

Ion Ratio Lower Upper

63 100

65 31.7 21.5 39.9

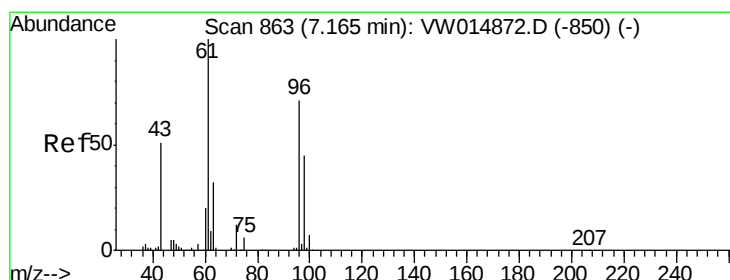
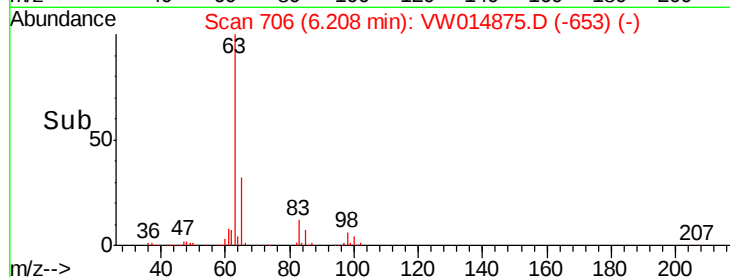
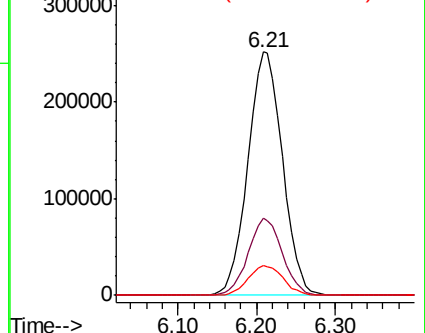
83 12.1 8.8 16.3



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 45.023 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014875.D

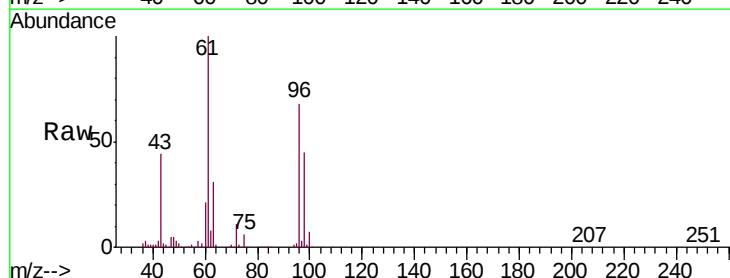
Acq: 05 Feb 2020 15:44

Tgt Ion: 43 Resp: 267929

Ion Ratio Lower Upper

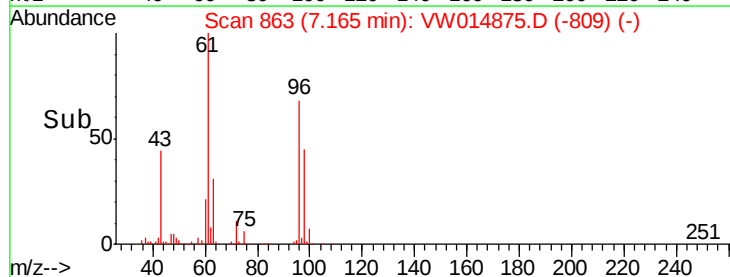
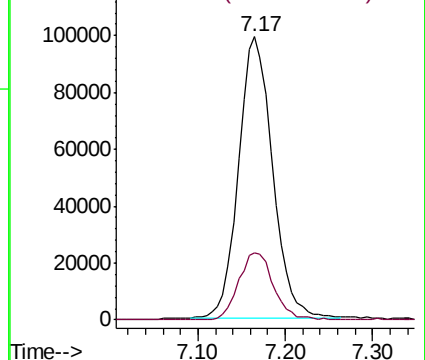
43 100

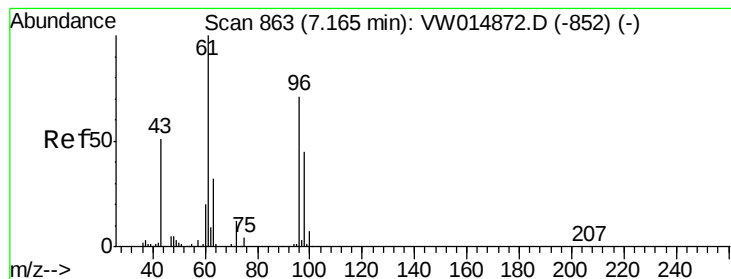
72 24.5 11.9 35.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



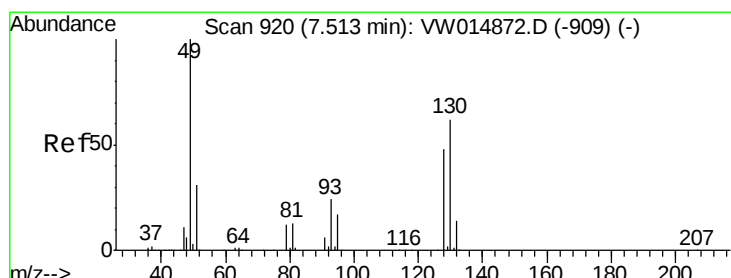
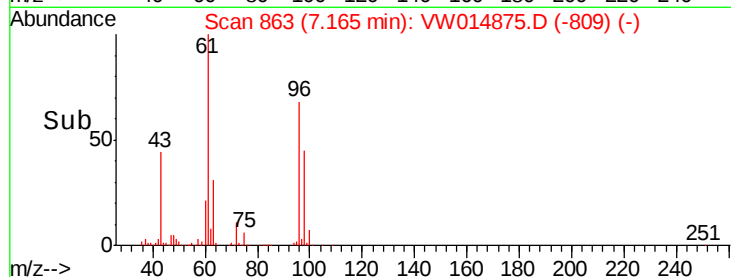
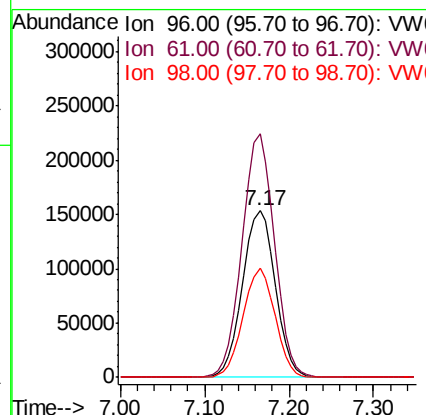
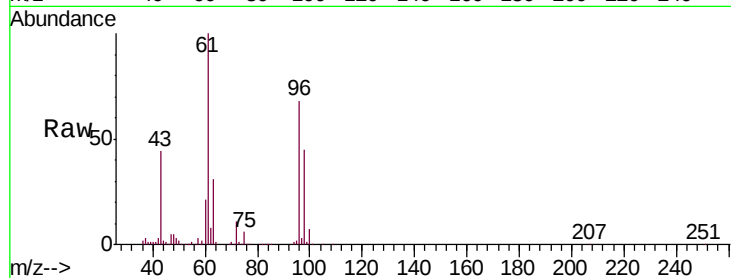


#22

cis-1,2-Dichloroethene
Concen: 24.596 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014875.D
Acq: 05 Feb 2020 15:44

Instrument :
MSVOA_W
ClientSampleId :
VICV05

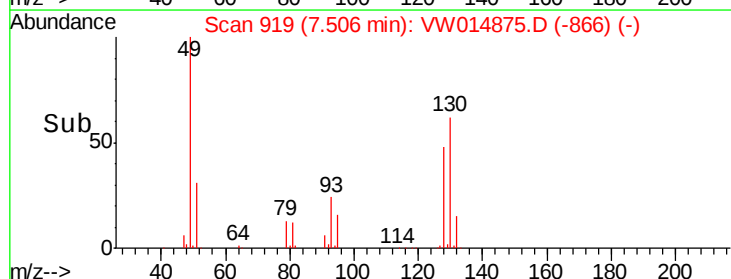
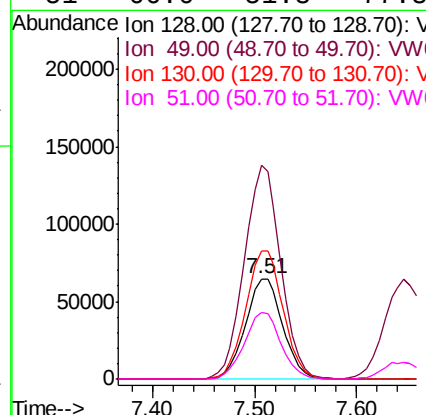
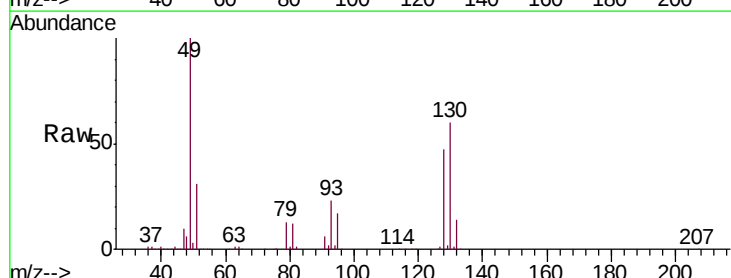
Tgt Ion: 96 Resp: 405262
Ion Ratio Lower Upper
96 100
61 146.2 98.6 183.0
98 65.2 44.2 82.2

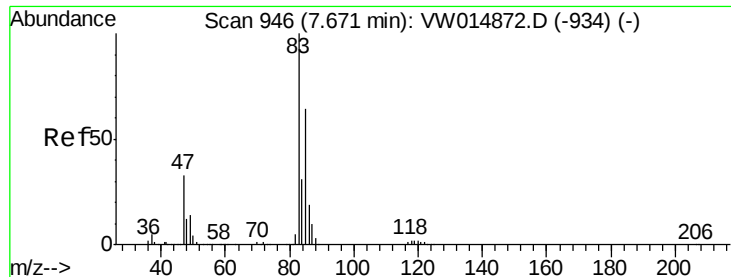


#23

Bromochloromethane
Concen: 24.257 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW014875.D
Acq: 05 Feb 2020 15:44

Tgt Ion: 128 Resp: 163982
Ion Ratio Lower Upper
128 100
49 213.2 146.0 271.2
130 127.9 90.9 168.9
51 66.0 51.8 77.8





#25

Chloroform

Concen: 24.906 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014875.D

Acq: 05 Feb 2020 15:44

Instrument :

MSVOA_W

ClientSampleId :

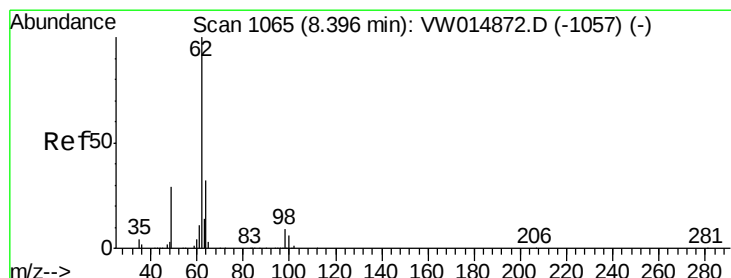
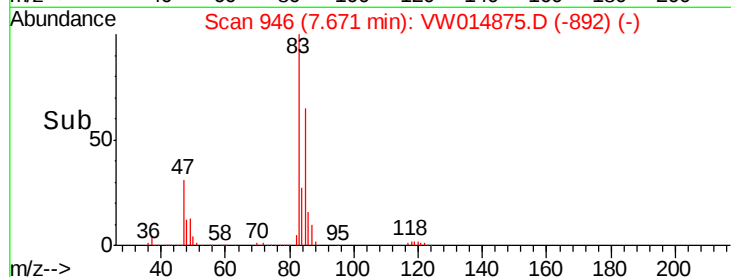
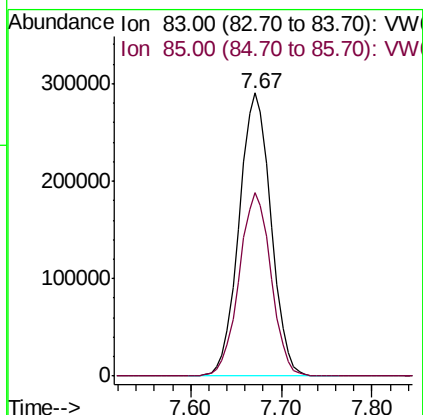
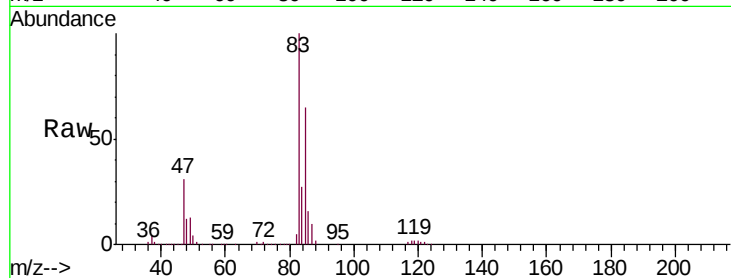
VICV05

Tgt Ion: 83 Resp: 706050

Ion Ratio Lower Upper

83 100

85 65.0 45.4 84.4



#27

1,2-Dichloroethane

Concen: 24.150 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014875.D

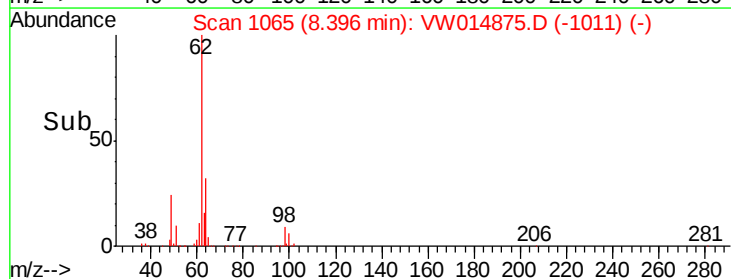
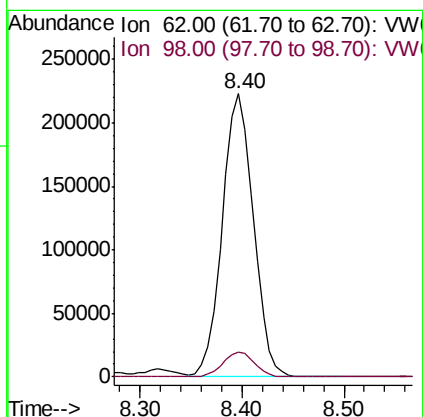
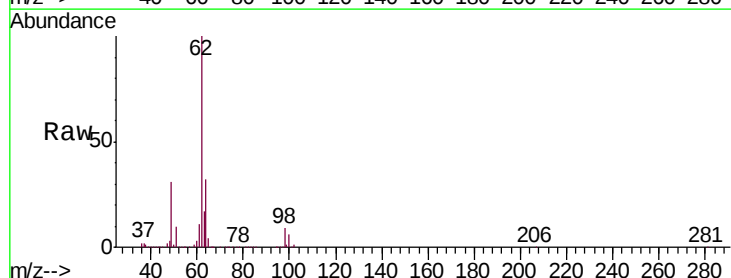
Acq: 05 Feb 2020 15:44

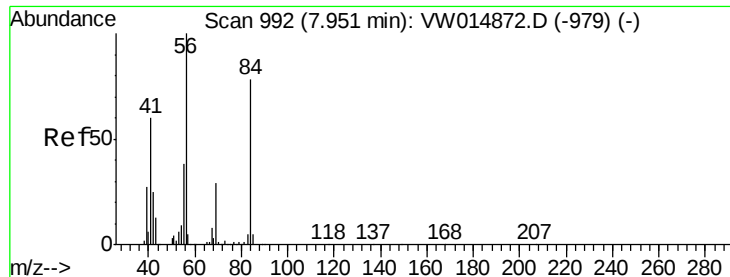
Tgt Ion: 62 Resp: 472004

Ion Ratio Lower Upper

62 100

98 8.9 7.2 10.8

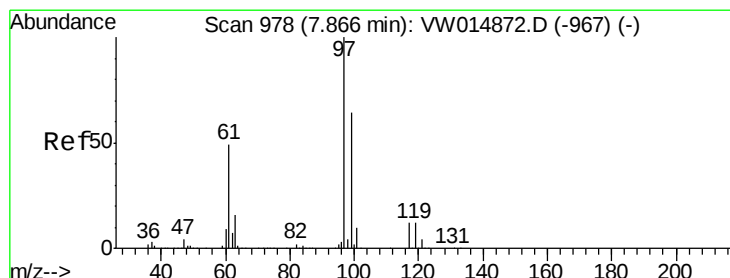
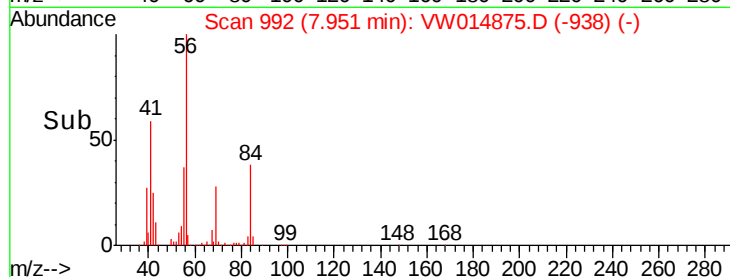
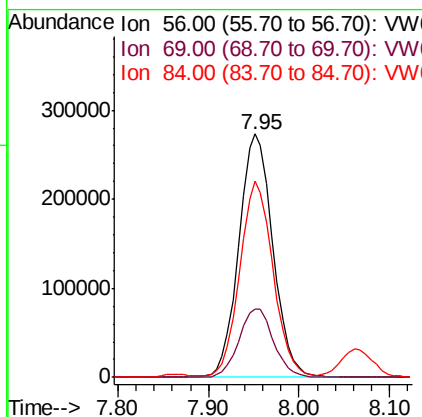
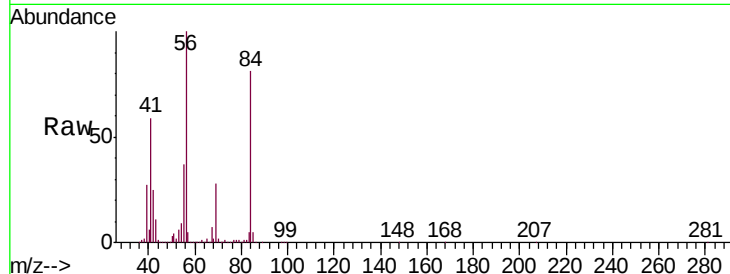




#30
Cyclohexane
Concen: 25.087 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014875.D
Acq: 05 Feb 2020 15:44

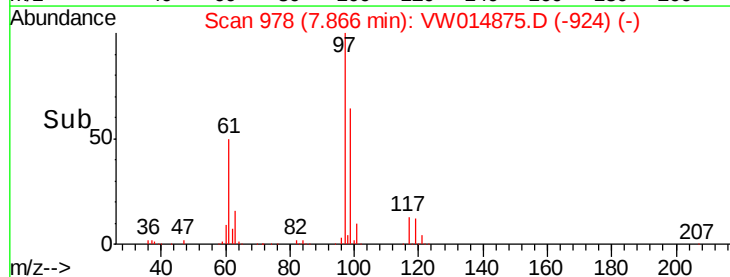
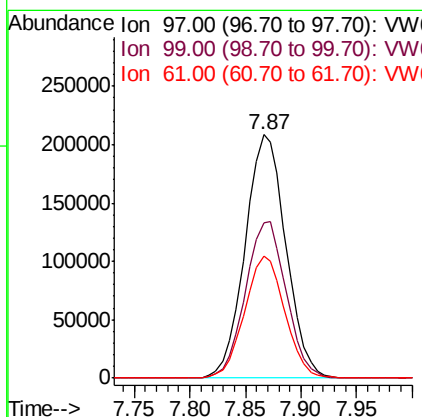
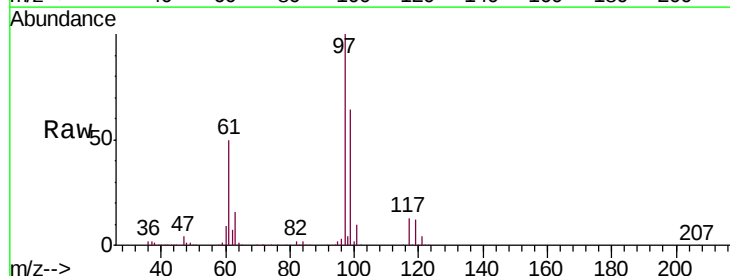
Instrument :
MSVOA_W
ClientSampleId :
VICV05

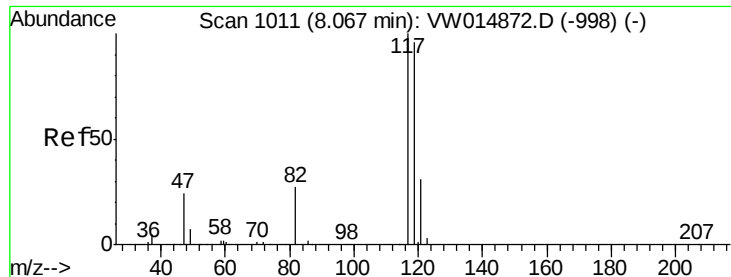
Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.7	22.9	34.3
84	79.1	63.8	95.6



#31
1,1,1-Trichloroethane
Concen: 24.618 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW014875.D
Acq: 05 Feb 2020 15:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.6
61	49.4	38.9	58.3





#32

Carbon tetrachloride

Concen: 24.535 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW014875.D

Acq: 05 Feb 2020 15:44

Instrument :

MSVOA_W

ClientSampleId :

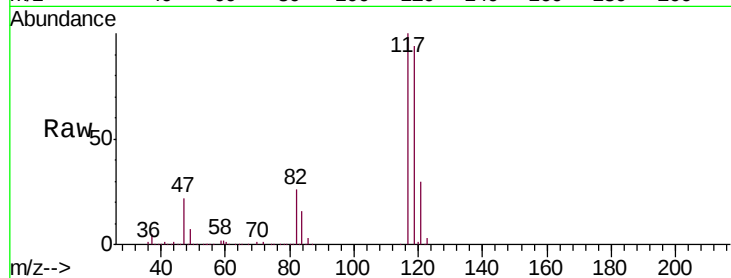
VICV05

Tgt Ion:117 Resp: 476969

Ion Ratio Lower Upper

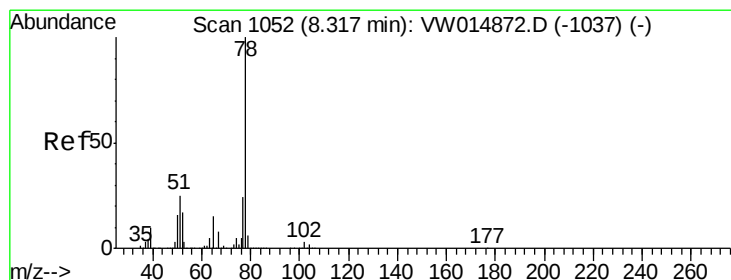
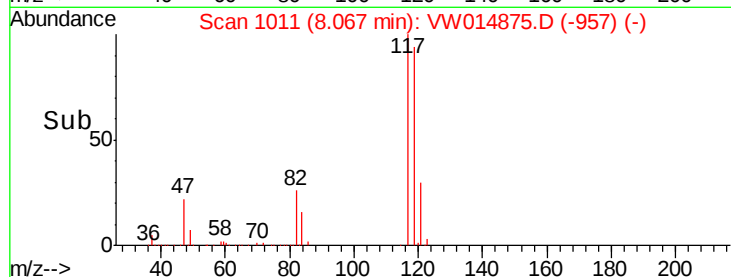
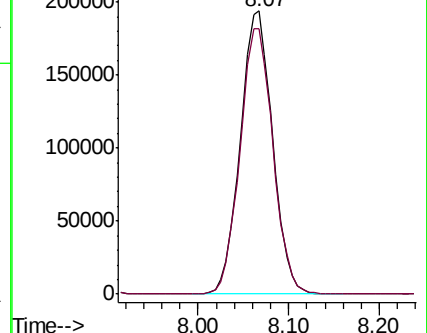
117 100

119 95.7 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.895 ug/L

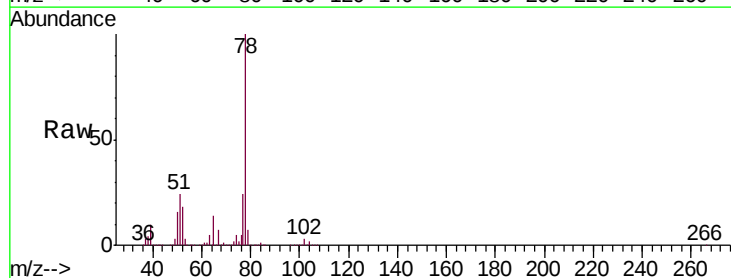
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

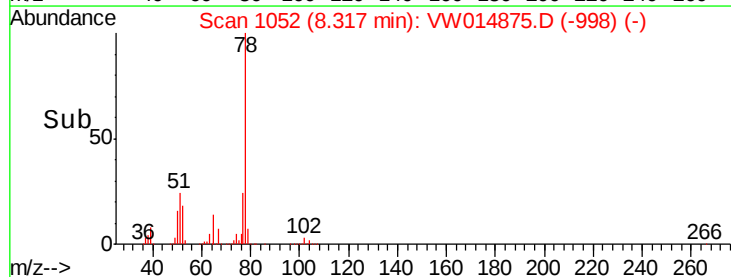
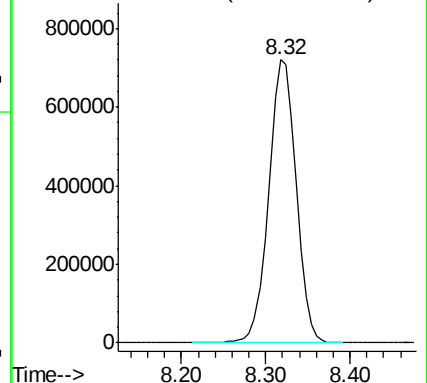
Lab File: VW014875.D

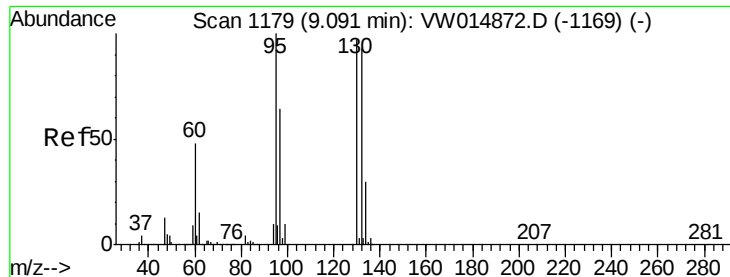
Acq: 05 Feb 2020 15:44

Tgt Ion: 78 Resp: 1623741



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.535 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW014875.D

Acq: 05 Feb 2020 15:44

Instrument :

MSVOA_W

ClientSampleId :

VICV05

Tgt Ion: 95 Resp: 396658

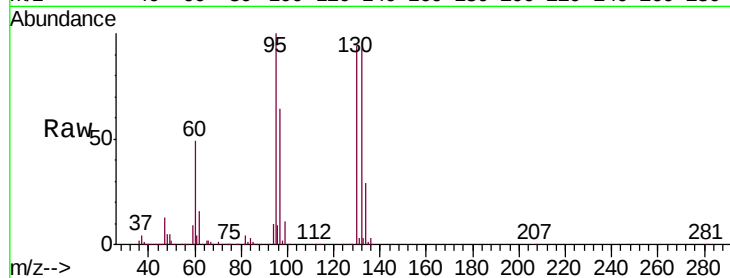
Ion Ratio Lower Upper

95 100

97 64.4 44.4 82.5

132 92.8 63.6 118.0

130 96.4 67.3 124.9

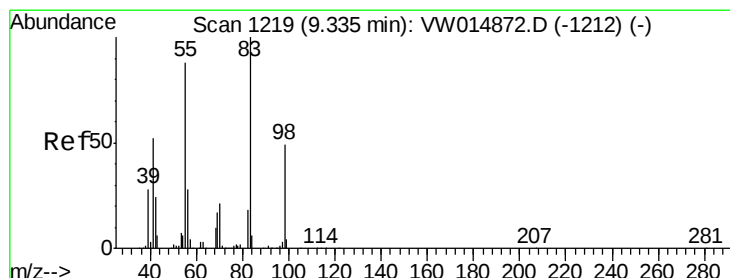
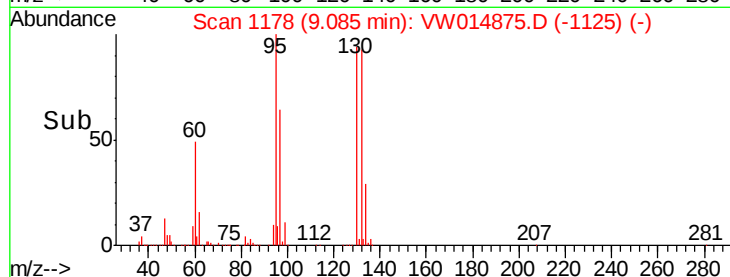
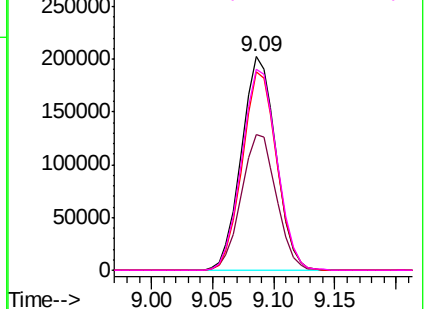


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 24.107 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW014875.D

Acq: 05 Feb 2020 15:44

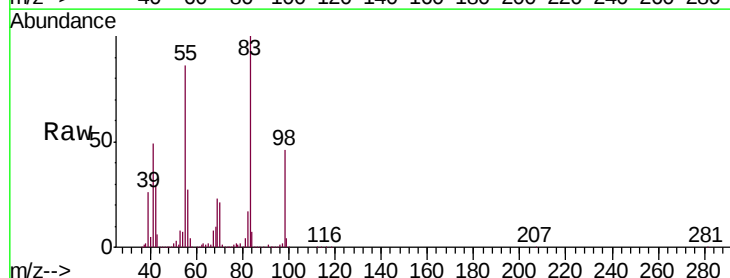
Tgt Ion: 83 Resp: 678912

Ion Ratio Lower Upper

83 100

55 85.1 68.0 102.0

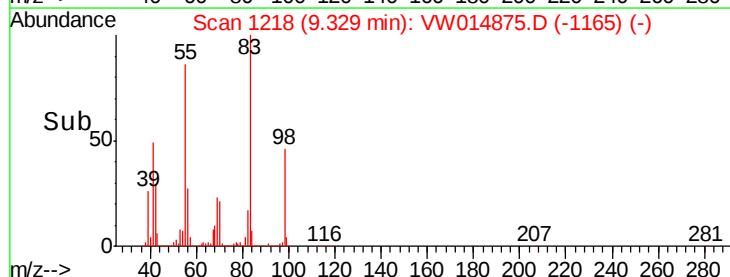
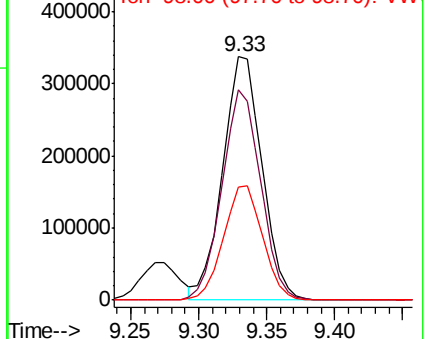
98 46.9 37.8 56.6

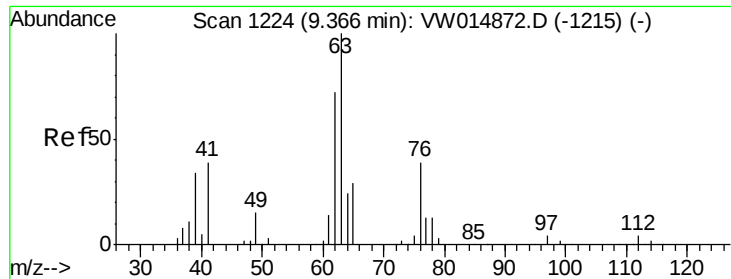


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

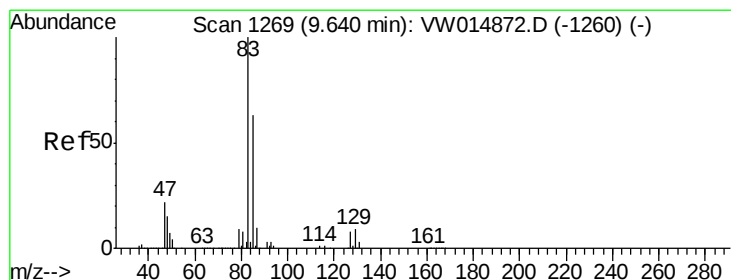
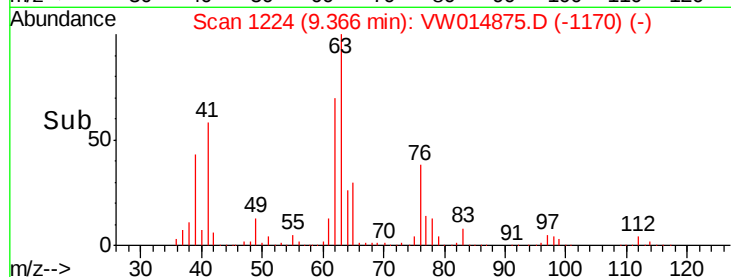
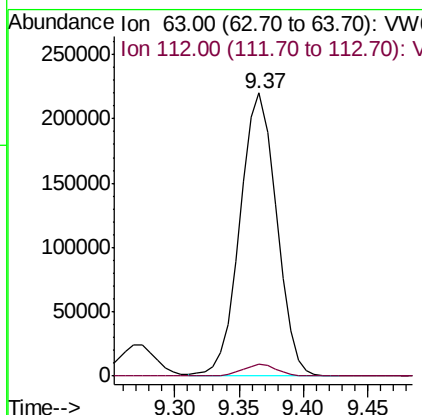
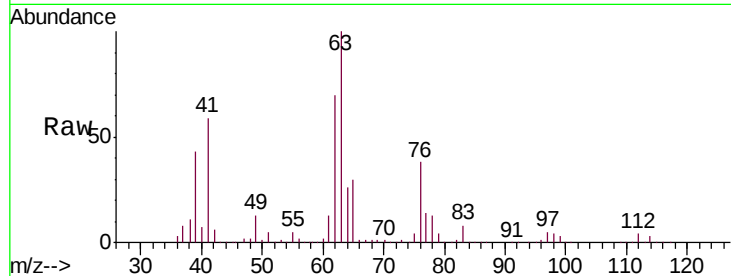




#40
 1,2-Dichloropropane
 Concen: 24.860 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014875.D
 Acq: 05 Feb 2020 15:44

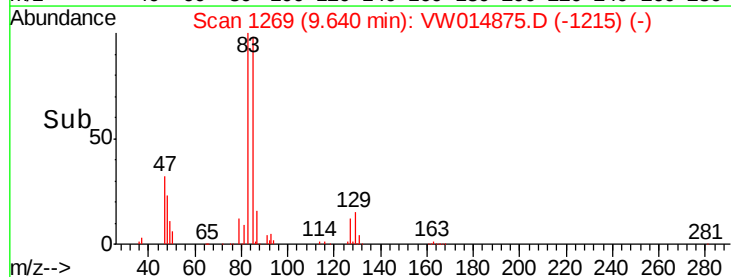
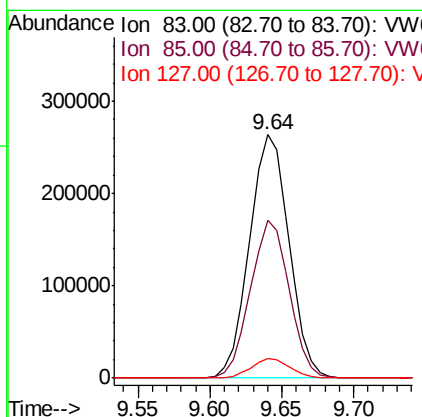
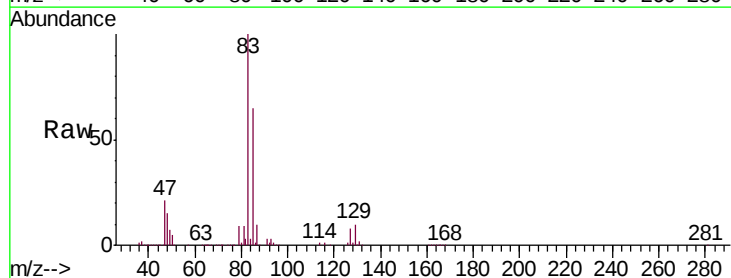
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV05

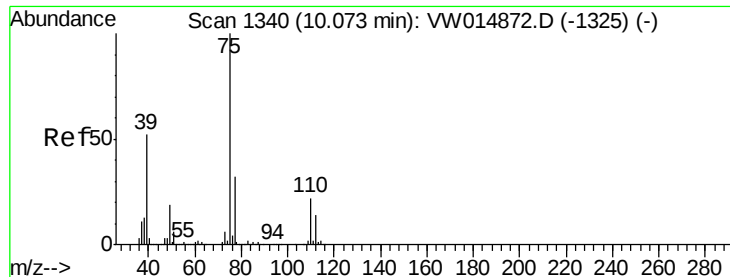
Tgt Ion: 63 Resp: 433908
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.1 4.7



#41
 Bromodichloromethane
 Concen: 25.001 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014875.D
 Acq: 05 Feb 2020 15:44

Tgt Ion: 83 Resp: 500101
 Ion Ratio Lower Upper
 83 100
 85 65.1 44.2 82.0
 127 7.8 6.0 9.0





#42

cis-1,3-Dichloropropene

Concen: 25.508 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014875.D

Acq: 05 Feb 2020 15:44

Instrument :

MSVOA_W

ClientSampleId :

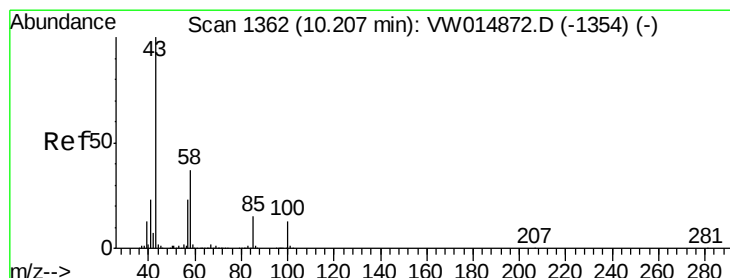
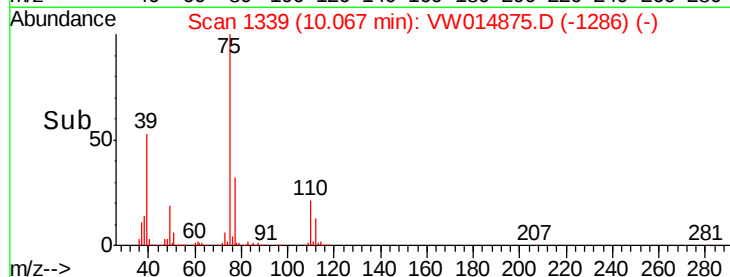
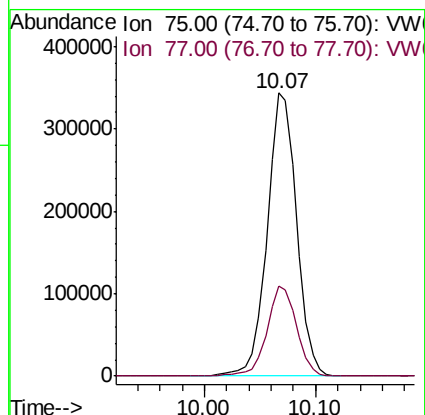
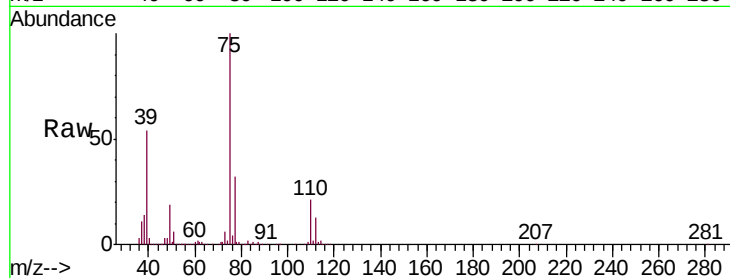
VICV05

Tgt Ion: 75 Resp: 632203

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.9



#43

4-Methyl-2-pentanone

Concen: 48.158 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014875.D

Acq: 05 Feb 2020 15:44

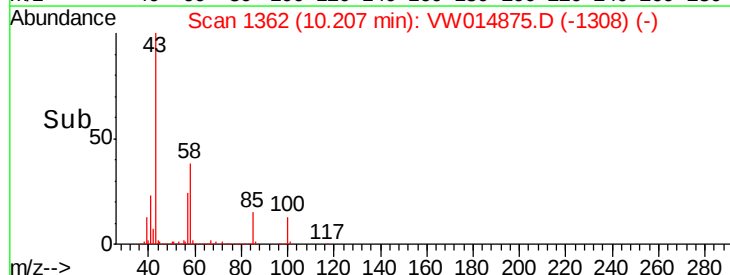
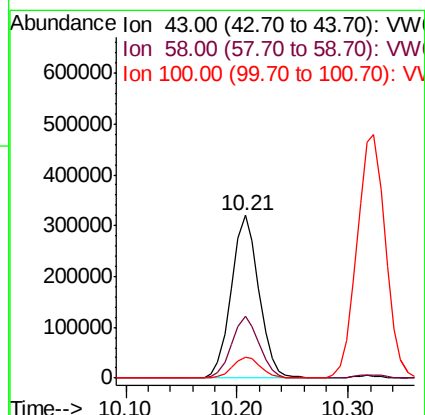
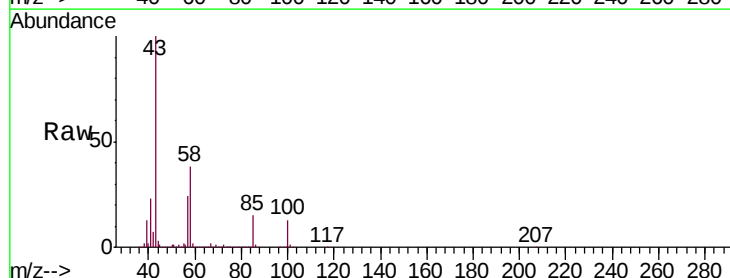
Tgt Ion: 43 Resp: 551169

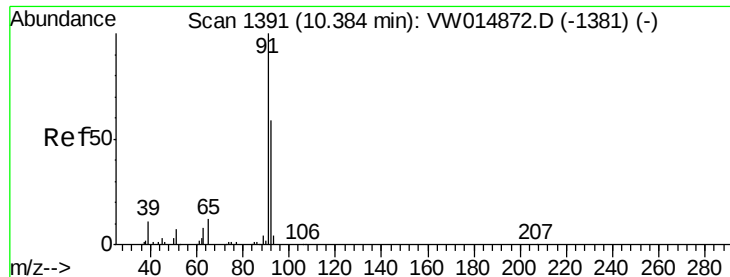
Ion Ratio Lower Upper

43 100

58 37.6 30.0 45.0

100 13.1 10.6 15.8





#44

Toluene

Concen: 25.121 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014875.D

Acq: 05 Feb 2020 15:44

Instrument :

MSVOA_W

ClientSampleId :

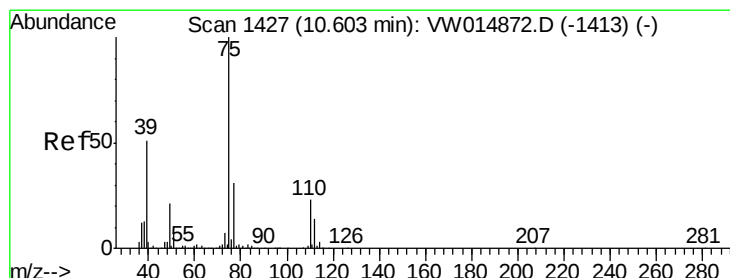
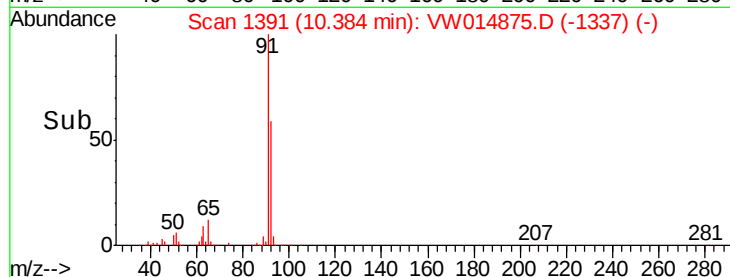
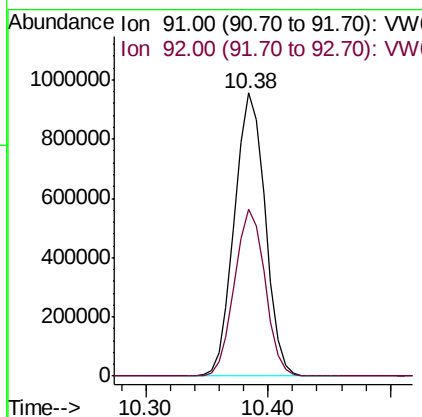
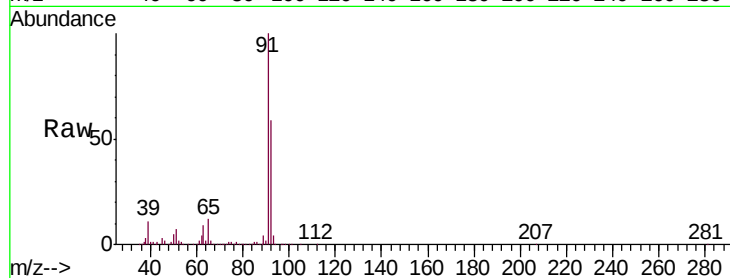
VICV05

Tgt Ion: 91 Resp: 1663374

Ion Ratio Lower Upper

91 100

92 59.1 41.4 77.0



#45

trans-1,3-Dichloropropene

Concen: 24.998 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014875.D

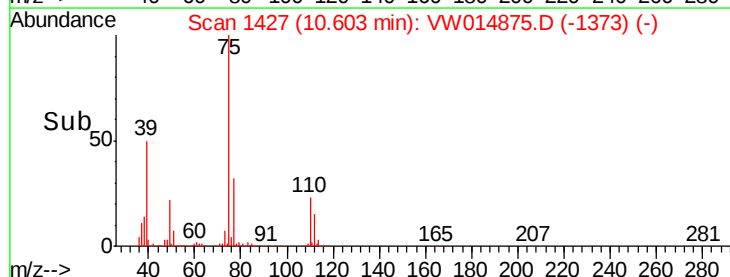
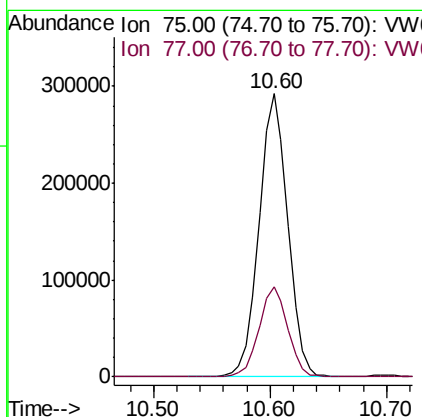
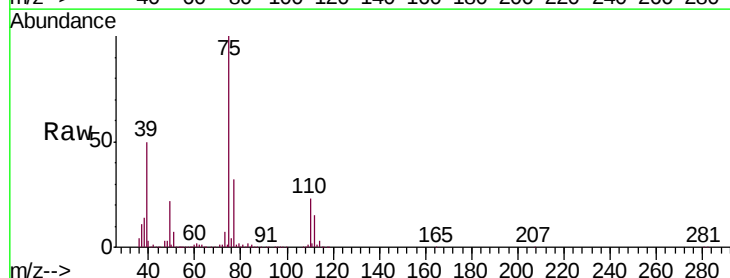
Acq: 05 Feb 2020 15:44

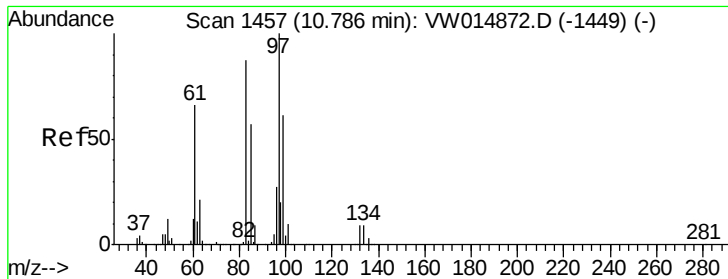
Tgt Ion: 75 Resp: 498923

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.6

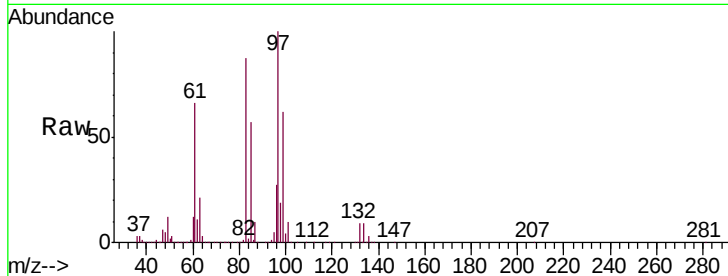




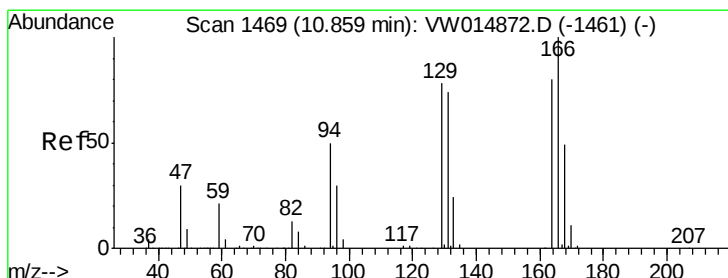
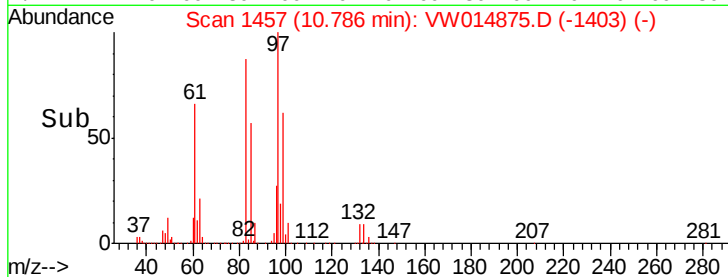
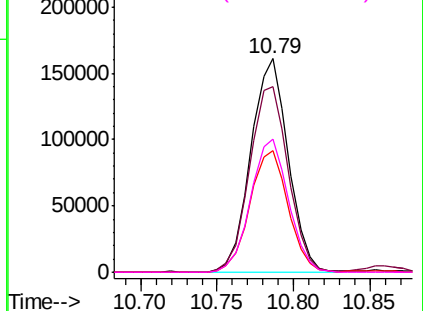
#46
1,1,2-Trichloroethane
Concen: 23.906 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW014875.D
Acq: 05 Feb 2020 15:44

Instrument :
MSVOA_W
ClientSampleId :
VICV05

Tgt Ion:	97	Resp:	274676
Ion	Ratio	Lower	Upper
97	100		
83	86.8	60.8	112.8
85	56.8	39.9	74.1
99	62.4	42.8	79.6

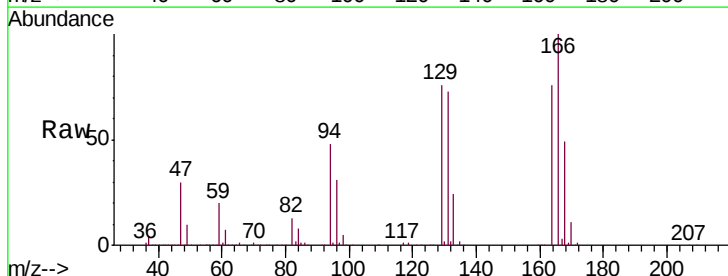


Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 99.00 (98.70 to 99.70): VW

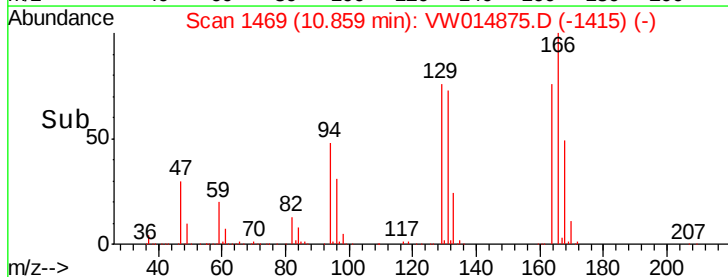
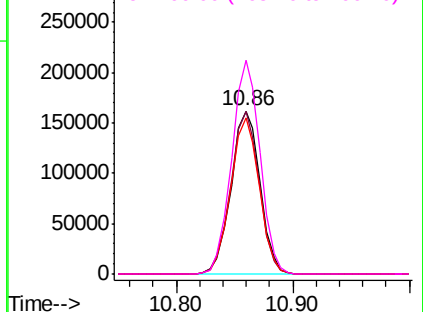


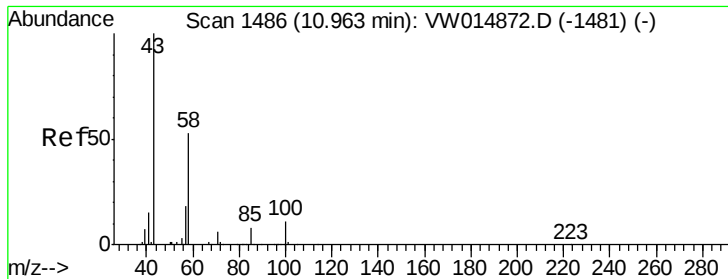
#47
Tetrachloroethene
Concen: 23.494 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014875.D
Acq: 05 Feb 2020 15:44

Tgt Ion:	164	Resp:	279097
Ion	Ratio	Lower	Upper
164	100		
129	99.6	67.5	125.4
131	95.5	64.0	119.0
166	130.9	87.0	161.6



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

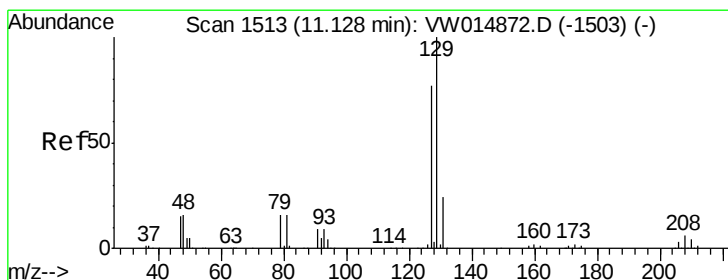
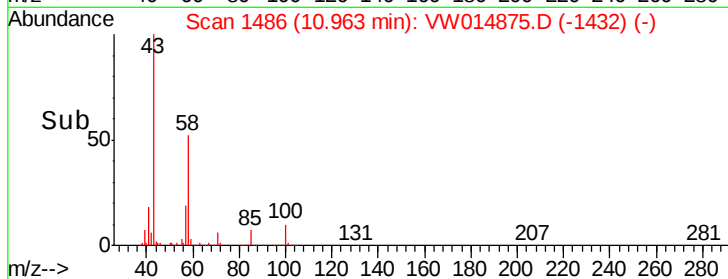
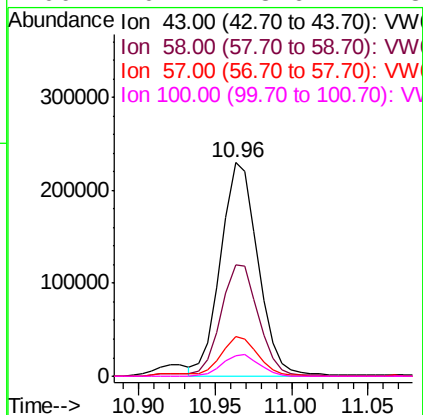
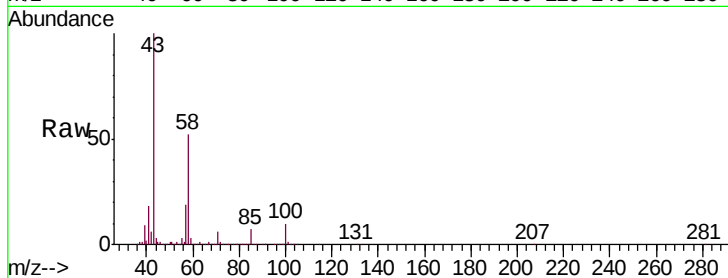




#49
2-Hexanone
Concen: 48.565 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014875.D
Acq: 05 Feb 2020 15:44

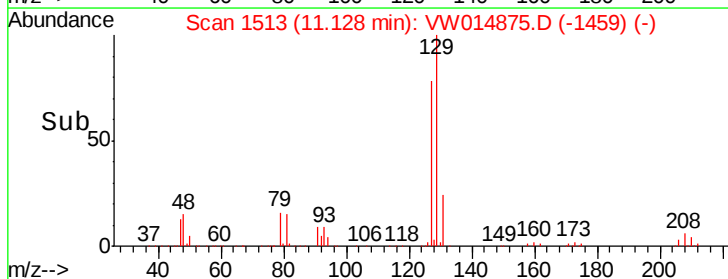
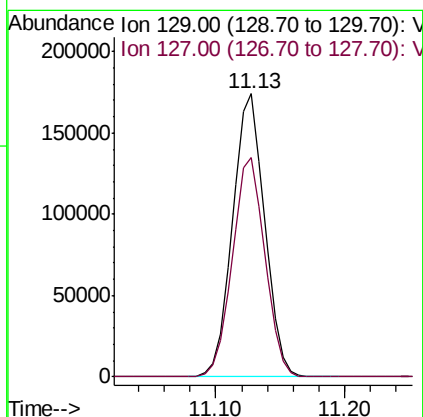
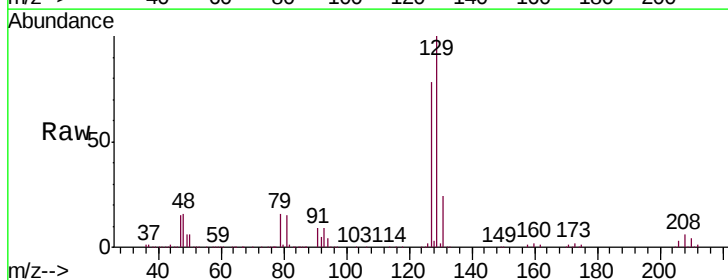
Instrument :
MSVOA_W
ClientSampleId :
VICV05

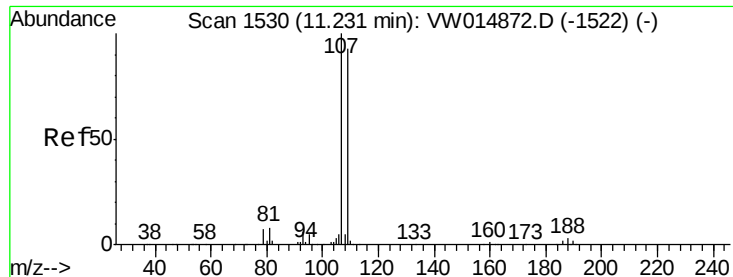
Tgt Ion:	43	Resp:	390423
Ion	Ratio	Lower	Upper
43	100		
58	52.2	42.2	63.2
57	17.9	14.5	21.7
100	10.1	8.6	12.8



#50
Dibromochloromethane
Concen: 24.435 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014875.D
Acq: 05 Feb 2020 15:44

Tgt Ion:	129	Resp:	301741
Ion	Ratio	Lower	Upper
129	100		
127	77.6	54.1	100.5

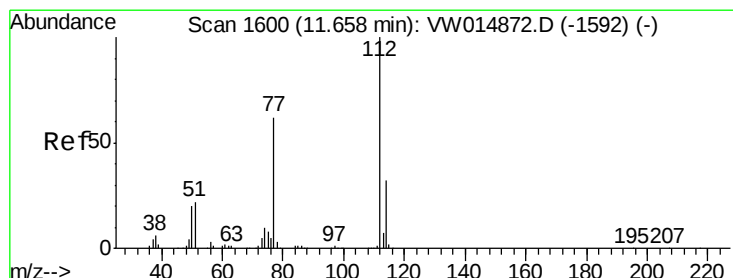
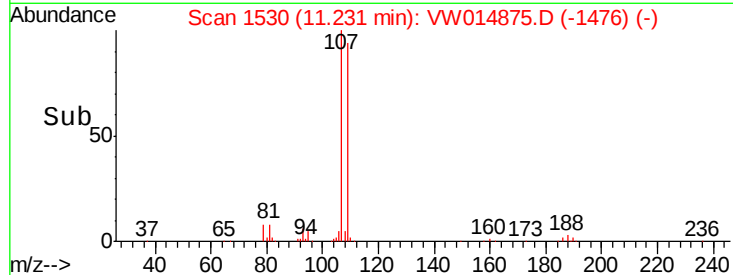
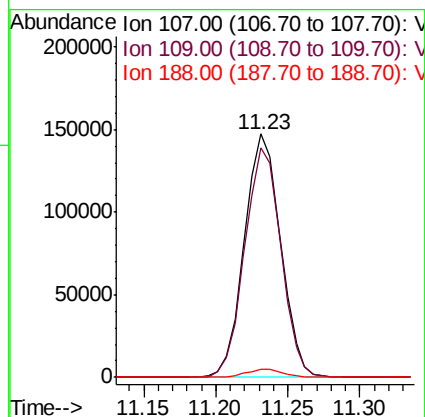
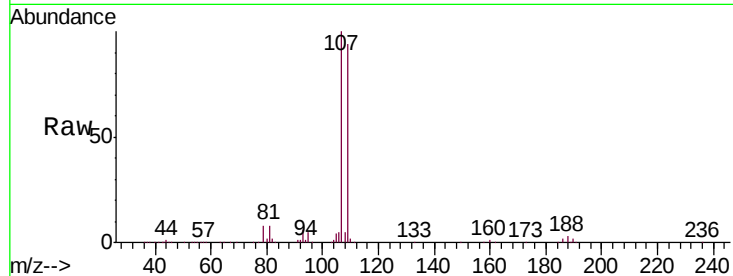




#51
1,2-Dibromoethane
Concen: 24.013 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014875.D
Acq: 05 Feb 2020 15:44

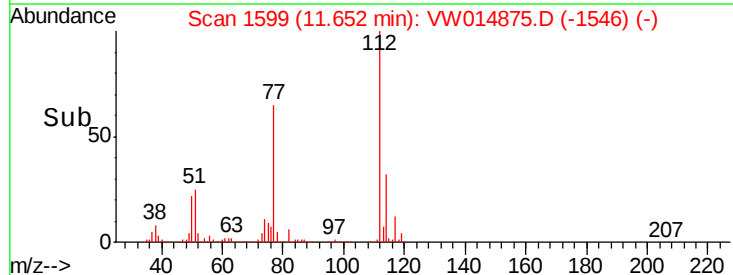
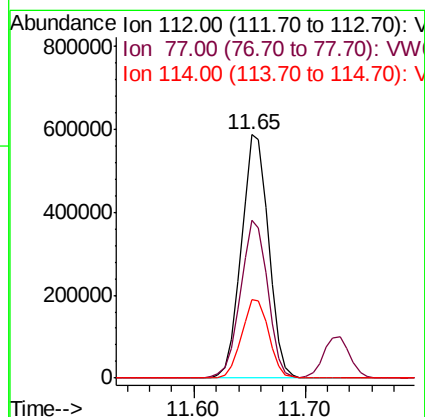
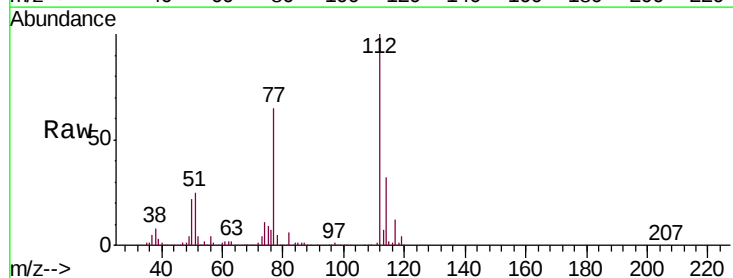
Instrument :
MSVOA_W
ClientSampleId :
VICV05

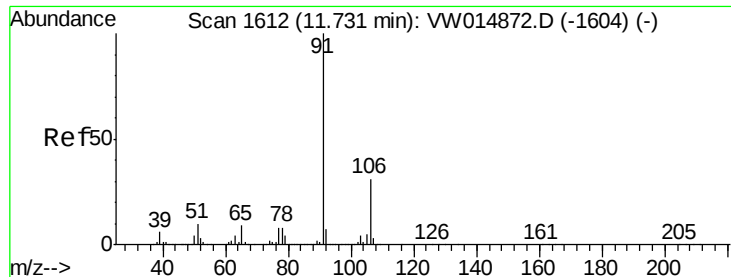
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.4	65.0	120.6
188	3.2	2.4	3.6



#52
Chlorobenzene
Concen: 24.488 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014875.D
Acq: 05 Feb 2020 15:44

Tgt Ion	Ratio	Lower	Upper
112	100		
77	64.6	49.9	74.9
114	32.1	22.7	42.1

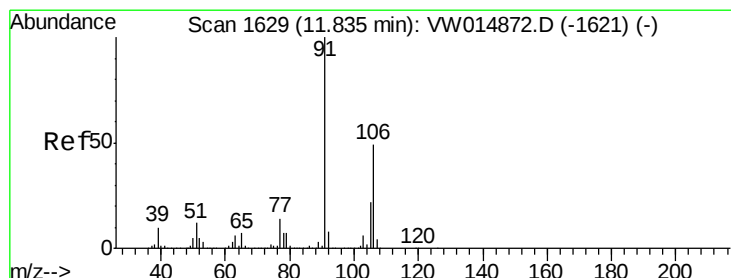
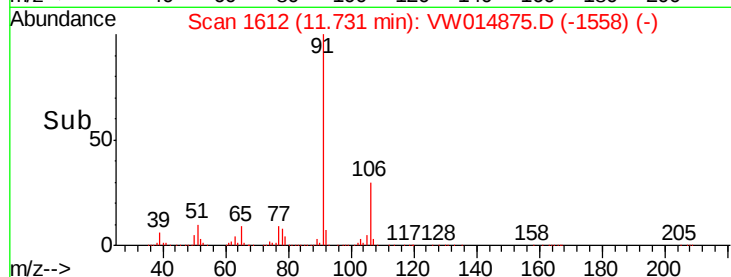
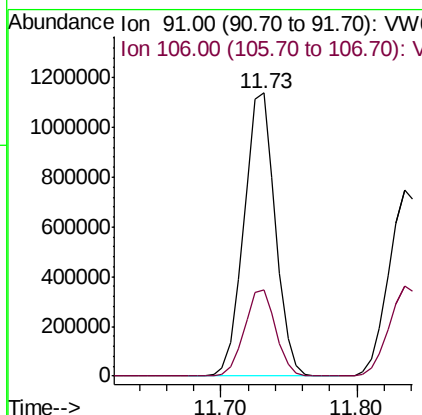
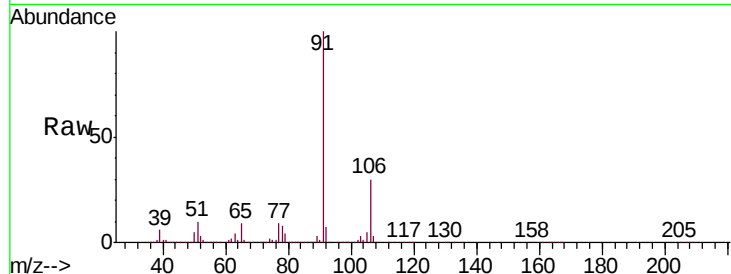




#53
Ethylbenzene
Concen: 25.315 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW014875.D
Acq: 05 Feb 2020 15:44

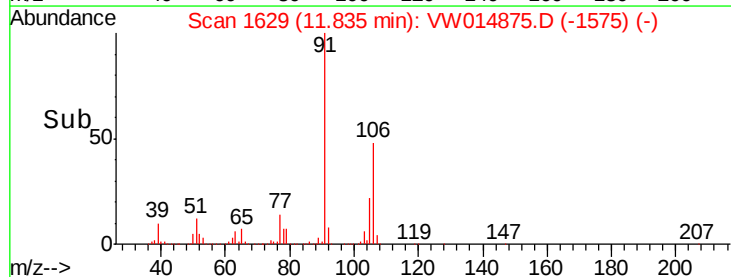
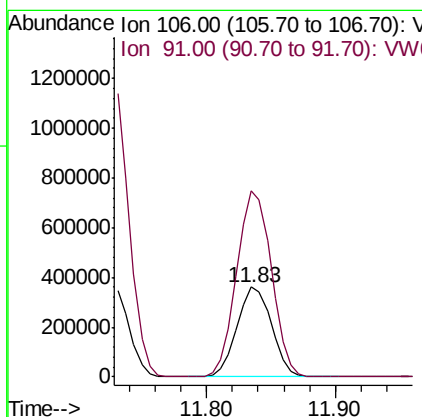
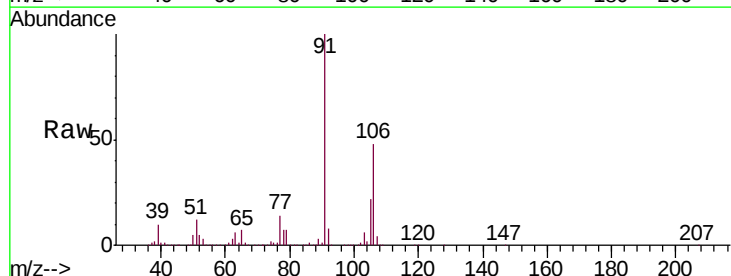
Instrument :
MSVOA_W
ClientSampled :
VICV05

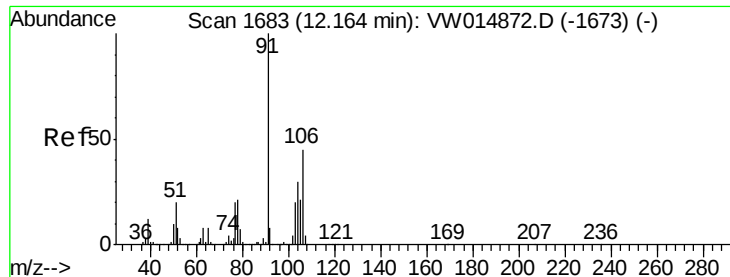
Tgt Ion: 91 Resp: 1833728
Ion Ratio Lower Upper
91 100
106 30.3 21.5 39.9



#54
m,p-Xylene
Concen: 25.464 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014875.D
Acq: 05 Feb 2020 15:44

Tgt Ion: 106 Resp: 673748
Ion Ratio Lower Upper
106 100
91 206.5 143.4 266.4





#55

o-xylene

Concen: 25.599 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014875.D

Acq: 05 Feb 2020 15:44

Instrument :

MSVOA_W

ClientSampled :

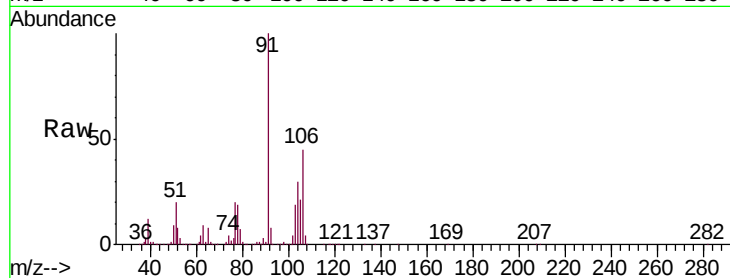
VICV05

Tgt Ion:106 Resp: 644626

Ion Ratio Lower Upper

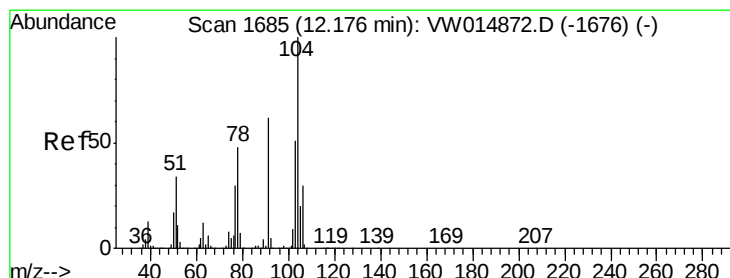
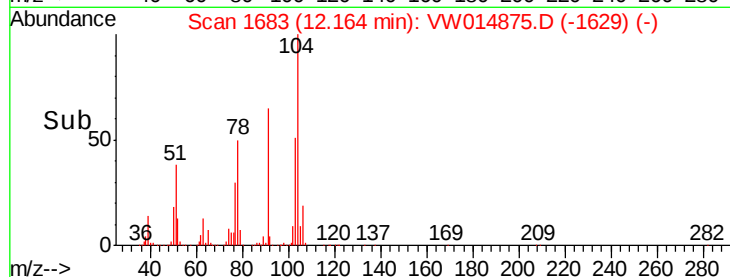
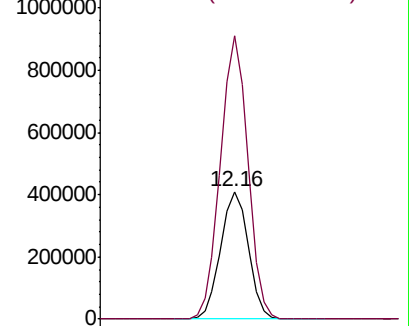
106 100

91 222.4 155.0 287.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.891 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014875.D

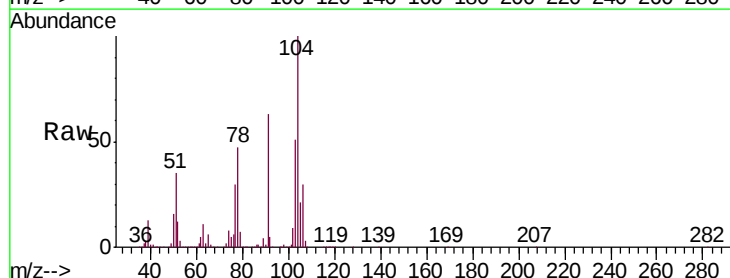
Acq: 05 Feb 2020 15:44

Tgt Ion:104 Resp: 1101901

Ion Ratio Lower Upper

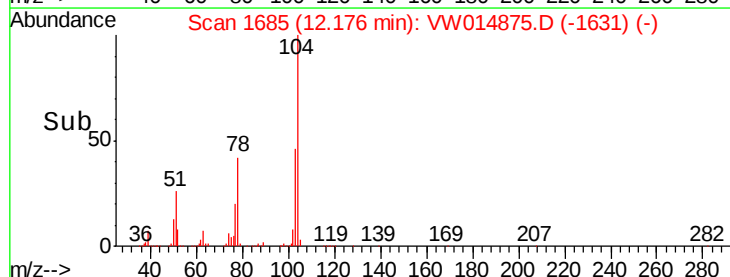
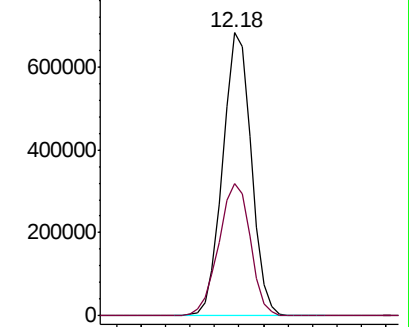
104 100

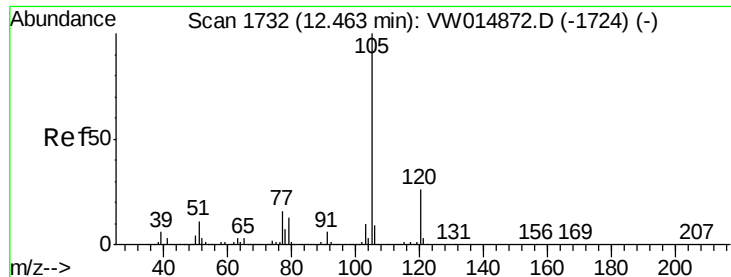
78 46.8 33.8 62.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.521 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014875.D

Acq: 05 Feb 2020 15:44

Instrument :

MSVOA_W

ClientSampleId :

VICV05

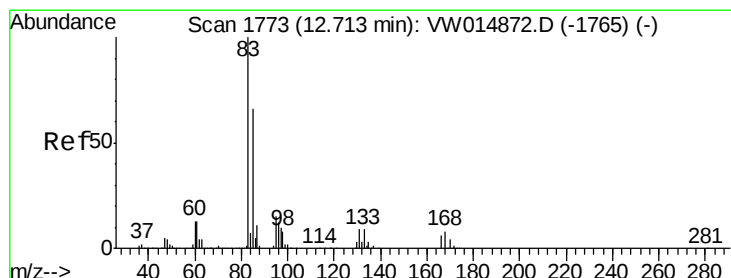
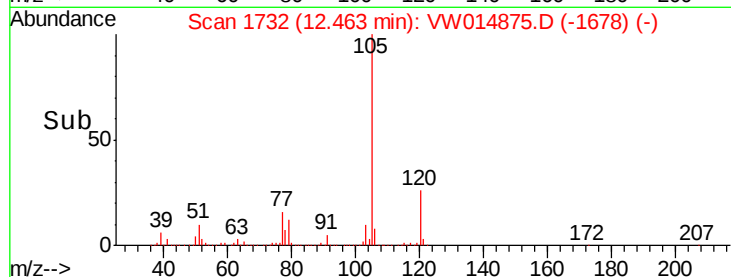
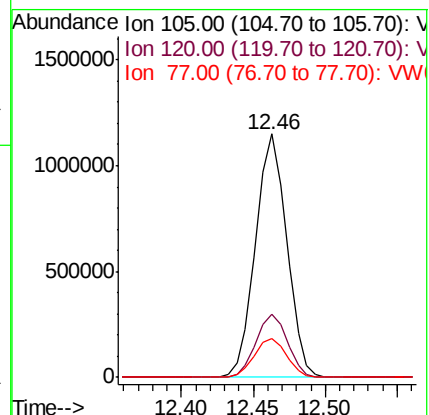
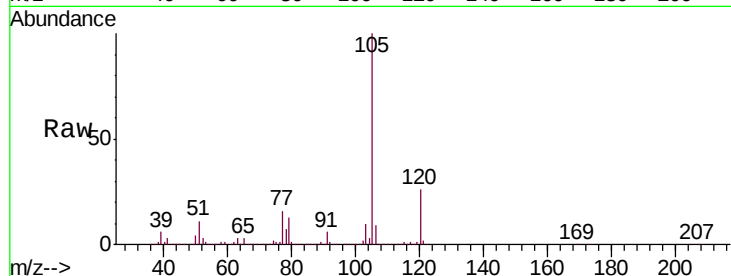
Tgt Ion: 105 Resp: 1725943

Ion Ratio Lower Upper

105 100

120 26.0 20.4 30.6

77 16.4 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 23.859 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014875.D

Acq: 05 Feb 2020 15:44

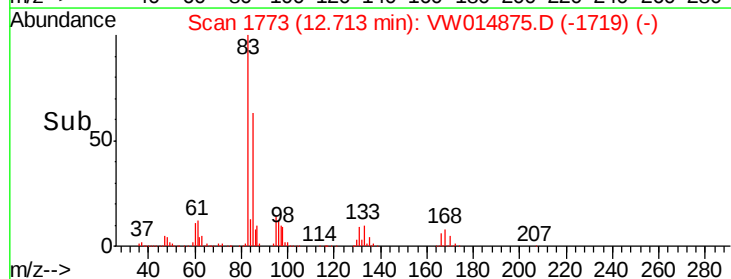
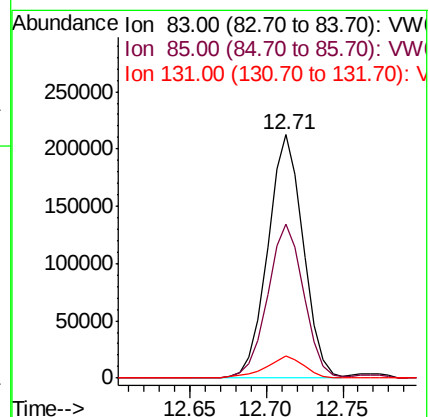
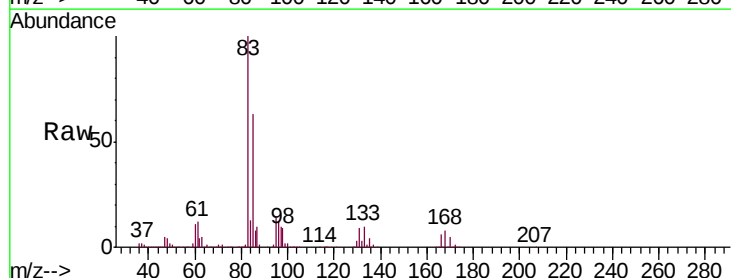
Tgt Ion: 83 Resp: 342178

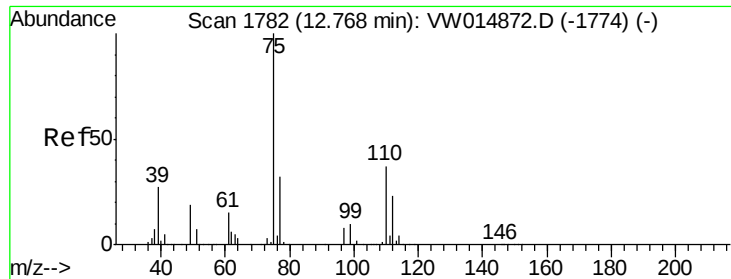
Ion Ratio Lower Upper

83 100

85 63.5 45.9 85.3

131 9.1 7.3 10.9





#59

1,2,3-Trichloropropane

Concen: 23.461 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014875.D

Acq: 05 Feb 2020 15:44

Instrument :

MSVOA_W

ClientSampleId :

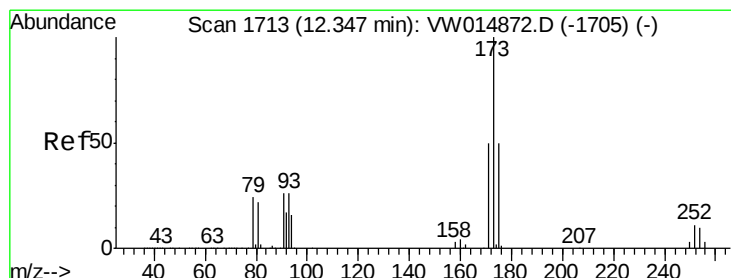
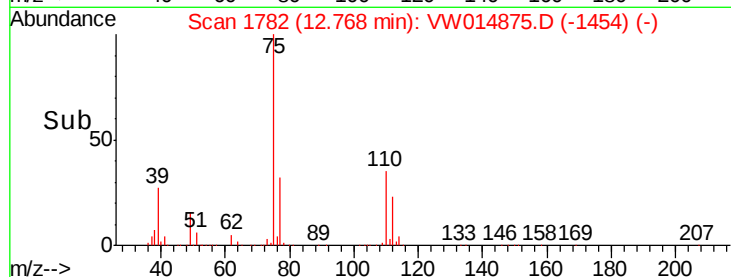
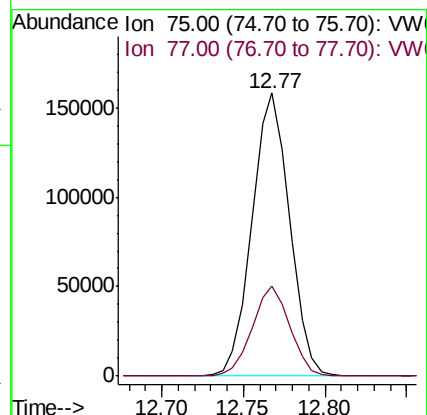
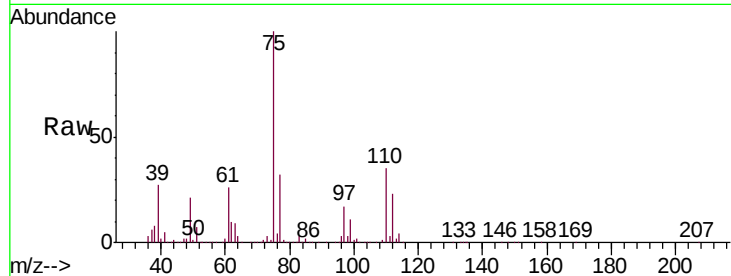
VICV05

Tgt Ion: 75 Resp: 253143

Ion Ratio Lower Upper

75 100

77 32.0 25.9 38.9



#62

Bromoform

Concen: 24.521 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014875.D

Acq: 05 Feb 2020 15:44

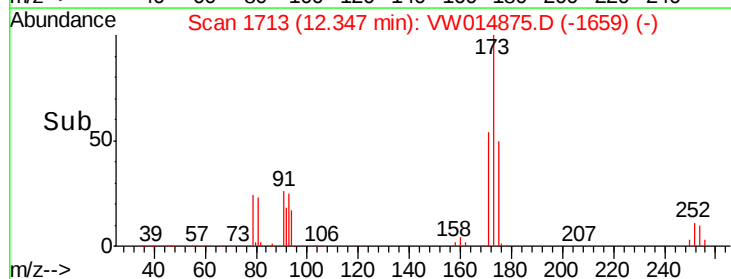
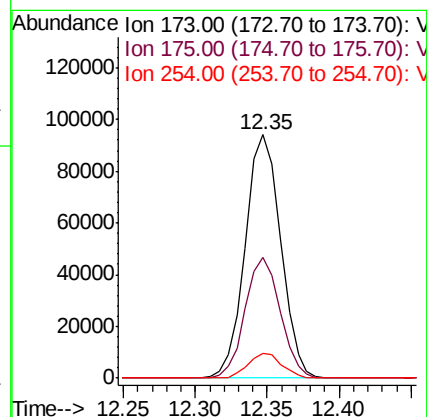
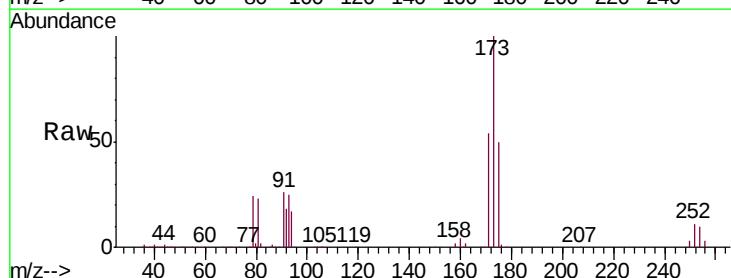
Tgt Ion: 173 Resp: 160646

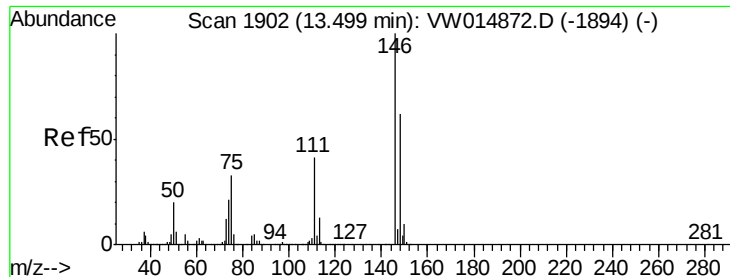
Ion Ratio Lower Upper

173 100

175 49.2 38.9 58.3

254 9.8 7.8 11.8

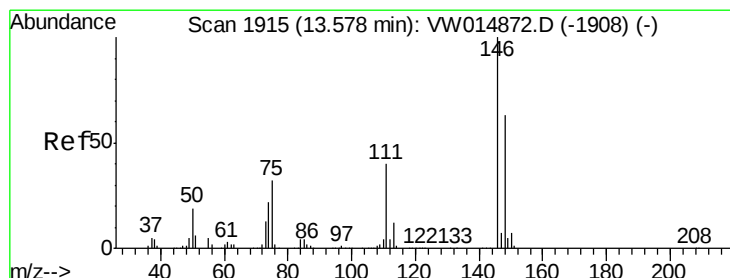
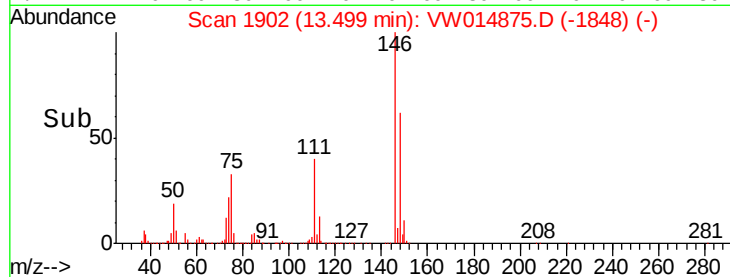
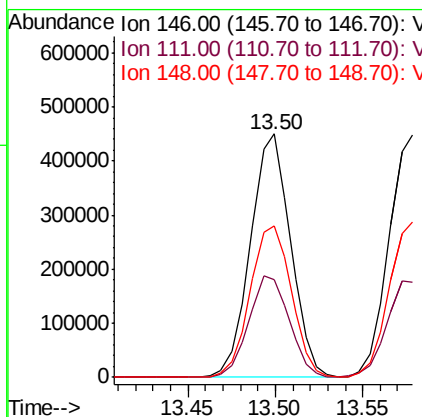
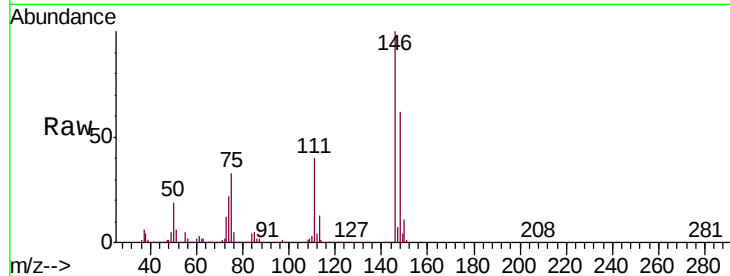




#63
 1,3-Dichlorobenzene
 Concen: 24.738 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014875.D
 Acq: 05 Feb 2020 15:44

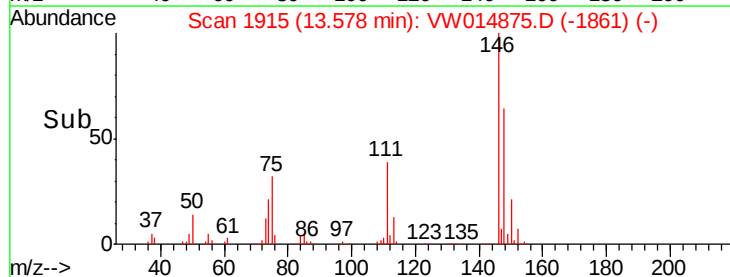
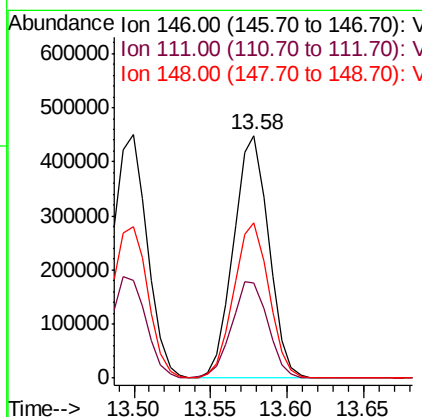
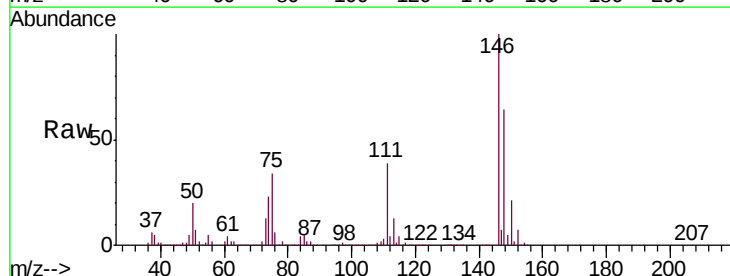
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV05

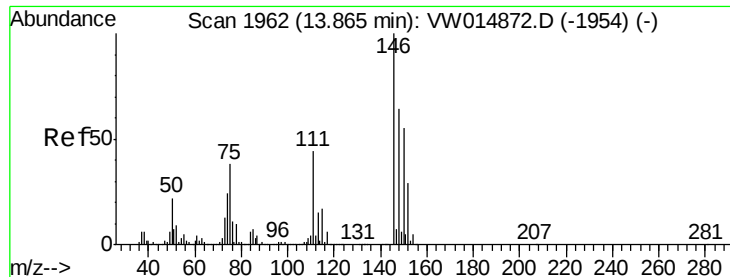
Tgt Ion:146 Resp: 718143
 Ion Ratio Lower Upper
 146 100
 111 40.2 28.6 53.0
 148 62.0 43.3 80.5



#64
 1,4-Dichlorobenzene
 Concen: 24.436 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014875.D
 Acq: 05 Feb 2020 15:44

Tgt Ion:146 Resp: 714557
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.9 51.7
 148 63.9 44.0 81.8

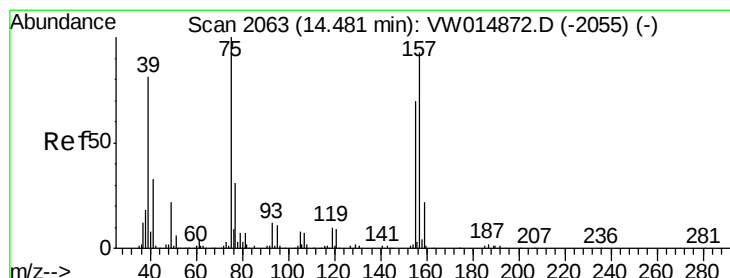
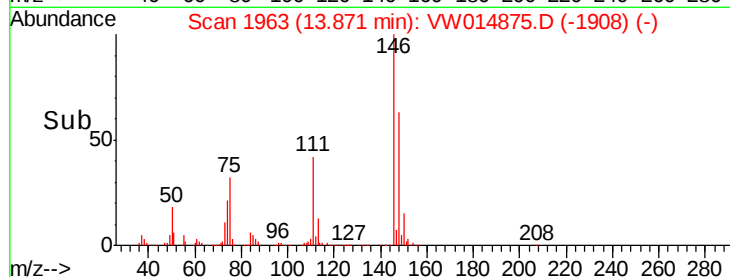
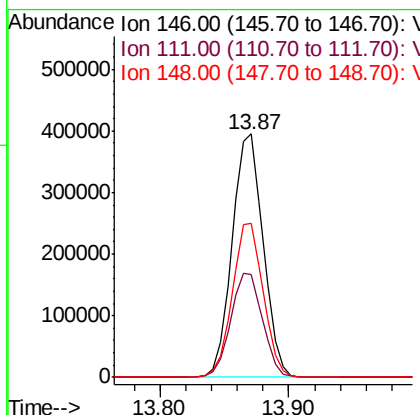
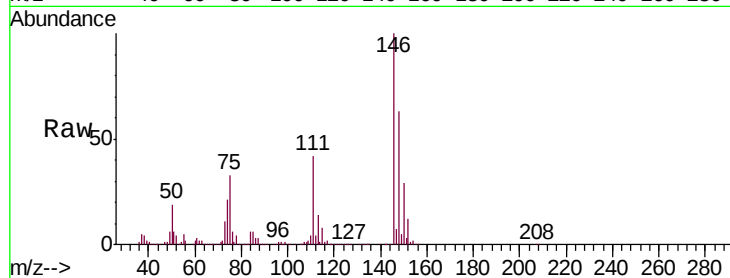




#65
 1,2-Dichlorobenzene
 Concen: 24.895 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW014875.D
 Acq: 05 Feb 2020 15:44

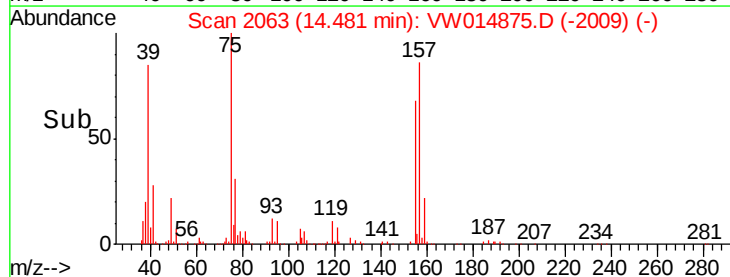
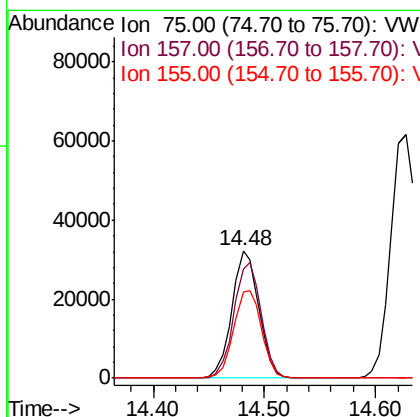
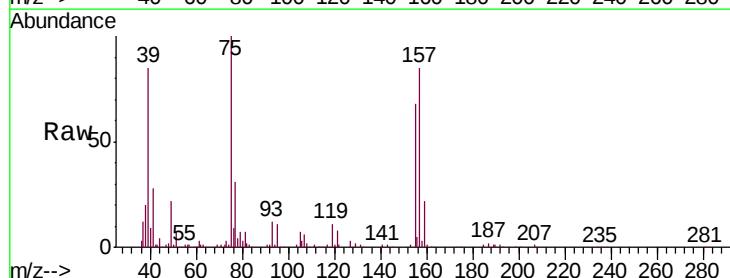
Instrument :
 MSVOA_W
 ClientSampled :
 VICV05

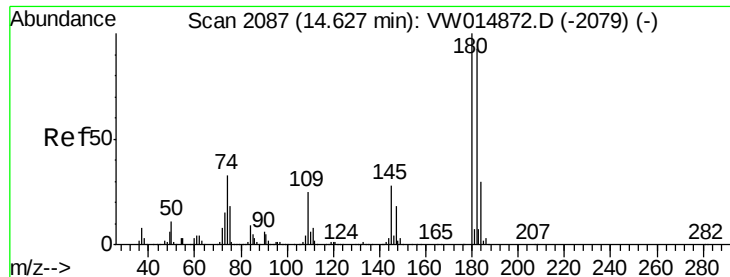
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	35.0	52.6
148	63.3	51.1	76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.897 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014875.D
 Acq: 05 Feb 2020 15:44

Tgt Ion	Ratio	Lower	Upper
75	100		
157	85.4	74.2	111.4
155	67.7	56.1	84.1

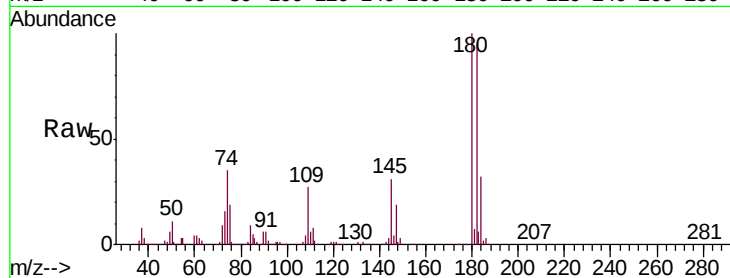




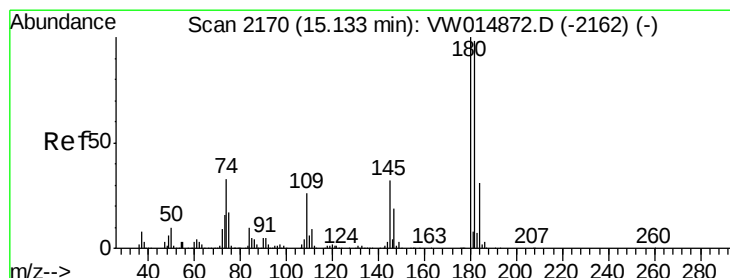
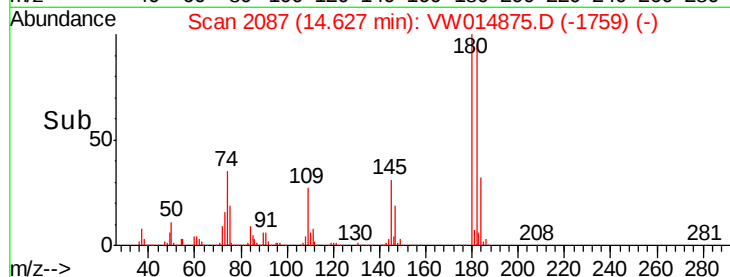
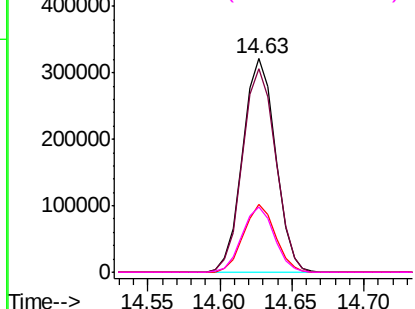
#67
 1,3,5-Trichlorobenzene
 Concen: 24.421 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014875.D
 Acq: 05 Feb 2020 15:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV05

Tgt Ion:	180	Resp:	507751
Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.5	113.3
184	30.9	24.6	36.8
145	30.0	23.7	35.5

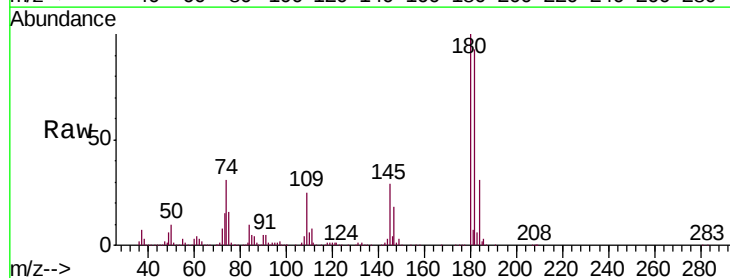


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.196 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014875.D
 Acq: 05 Feb 2020 15:44

Tgt Ion:	180	Resp:	413904
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
145	30.2	24.6	37.0



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

