

Data File : VW014767.D
Acq On : 27 Jan 2020 14:47
Operator : SY/VA
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VICV02

Quant Time: Jan 28 07:08:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis
QLast Update : Mon Jan 27 15:38:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1049774	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	947468	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	464288	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	339427	20.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.64%
7) Chloroethane-d5	2.89	69	299555	21.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.80%
10) 1,1-Dichloroethene-d2	4.03	63	662954	22.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.12%
20) 2-Butanone-d5	7.07	46	199752	42.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.62%
24) Chloroform-d	7.65	84	642111	22.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.64%
26) 1,2-Dichloroethane-d4	8.30	65	340619	21.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.32%
29) Benzene-d6	8.27	84	1320855	22.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.60%
33) 1,2-Dichloropropane-d6	9.27	67	416742	22.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.92%
37) Toluene-d8	10.32	98	1182000	22.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.00%
38) trans-1,3-Dichloropropene-	10.57	79	160214	21.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.76%
39) 2-Hexanone-d5	10.92	63	155653	44.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	311314	21.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	388781	21.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	321777	24.926	ug/L 94
3) Chloromethane	2.21	50	330112	21.920	ug/L 99
5) Vinyl chloride	2.36	62	510328	24.086	ug/L 97
6) Bromomethane	2.78	94	273275	24.674	ug/L 100
8) Chloroethane	2.92	64	273236	23.804	ug/L 97
9) Trichlorofluoromethane	3.26	101	213197	20.955	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	358830	24.692	ug/L 99
12) 1,1-Dichloroethene	4.04	96	354831	24.760	ug/L 94
13) Acetone	4.12	43	222267	43.956	ug/L 99
14) Carbon disulfide	4.38	76	1167495	24.887	ug/L 99
15) Methyl Acetate	4.67	43	196188	25.998	ug/L 99
16) Methylene chloride	4.92	84	391308	22.057	ug/L 99
17) Methyl tert-butyl Ether	5.42	73	503911	26.601	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	377994	25.529	ug/L 99
19) 1,1-Dichloroethane	6.21	63	714396	25.729	ug/L 100
21) 2-Butanone	7.16	43	277663	49.042	ug/L 99
22) cis-1,2-Dichloroethene	7.16	96	408249	26.336	ug/L 98

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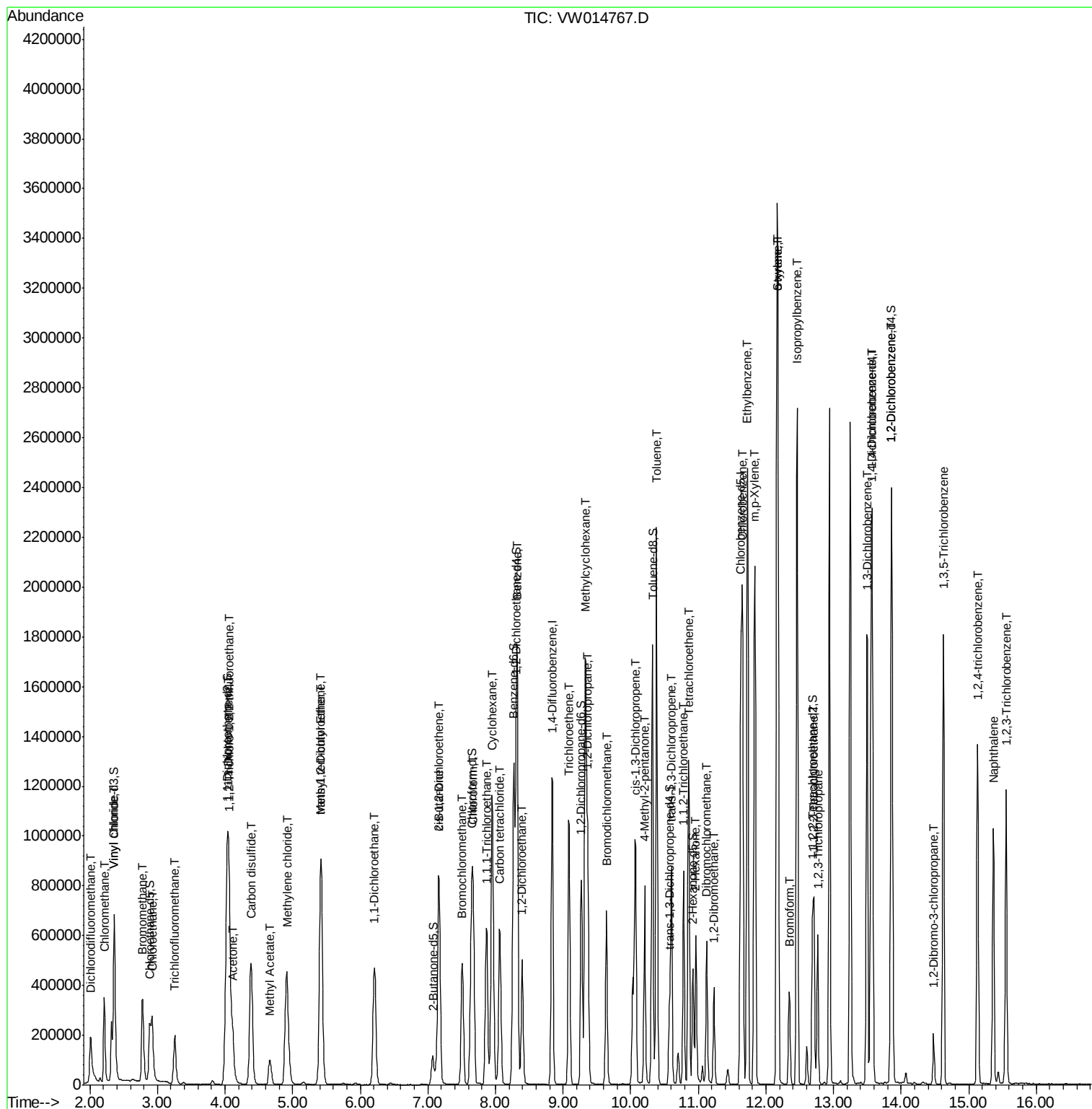
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	171654	25.340	ug/L	95
25) Chloroform	7.67	83	671556	25.922	ug/L	98
27) 1,2-Dichloroethane	8.40	62	447015	26.114	ug/L	99
30) Cyclohexane	7.95	56	682132	26.365	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	519812	25.126	ug/L	99
32) Carbon tetrachloride	8.06	117	486616	25.098	ug/L	99
34) Benzene	8.32	78	1576968	25.988	ug/L	100
35) Trichloroethene	9.09	95	388264	25.187	ug/L	99
36) Methylcyclohexane	9.33	83	698625	26.050	ug/L	99
40) 1,2-Dichloropropane	9.37	63	399094	25.944	ug/L	99
41) Bromodichloromethane	9.64	83	476263	25.906	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	592921	26.390	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	526135	52.016	ug/L	99
44) Toluene	10.38	91	1626096	26.373	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	476231	26.110	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	274734	26.163	ug/L	99
47) Tetrachloroethene	10.86	164	310210	25.186	ug/L	98
49) 2-Hexanone	10.96	43	382313	52.571	ug/L	99
50) Dibromochloromethane	11.13	129	311445	25.994	ug/L	100
51) 1,2-Dibromoethane	11.23	107	261413	25.879	ug/L	99
52) Chlorobenzene	11.65	112	996975	25.895	ug/L	99
53) Ethylbenzene	11.73	91	1780650	26.427	ug/L	98
54) m,p-Xylene	11.83	106	677136	26.884	ug/L	95
55) o-xylene	12.16	106	633373	26.800	ug/L	98
56) Styrene	12.18	104	1103867	27.540	ug/L	99
57) Isopropylbenzene	12.46	105	1702880	26.605	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	337554	24.949	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	253706	24.963	ug/L	99
62) Bromoform	12.35	173	178233	24.455	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	767433	25.602	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	761011	25.332	ug/L	99
65) 1,2-Dichlorobenzene	13.86	146	700253	25.684	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	54058	24.174	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	573720	25.841	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	449184	27.262	ug/L	100
69) Naphthalene	15.36	128	858910	28.823	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	416574	27.576	ug/L	100

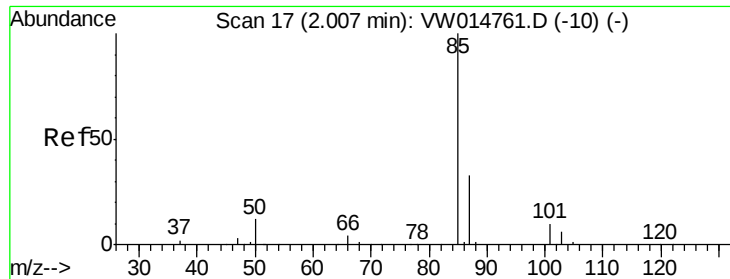
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.926 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014767.D

Acq: 27 Jan 2020 14:47

Instrument :

MSVOA_W

ClientSampleId :

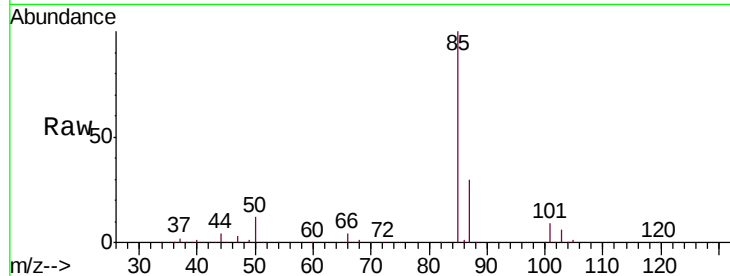
VICV02

Tgt Ion: 85 Resp: 321777

Ion Ratio Lower Upper

85 100

87 28.1 22.0 40.8



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01

120000

100000

80000

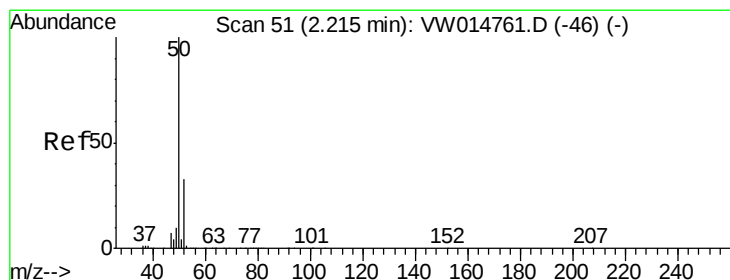
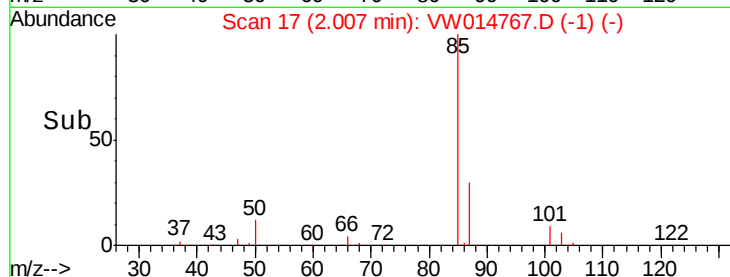
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 21.920 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014767.D

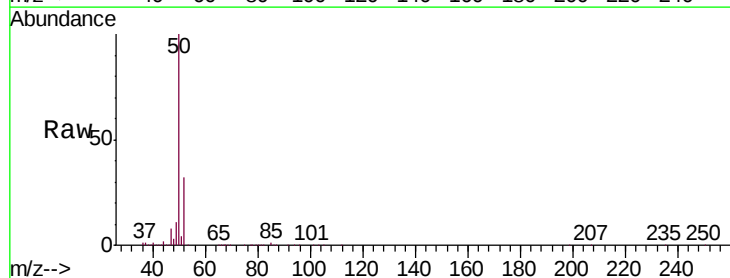
Acq: 27 Jan 2020 14:47

Tgt Ion: 50 Resp: 330112

Ion Ratio Lower Upper

50 100

52 32.4 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21

250000

200000

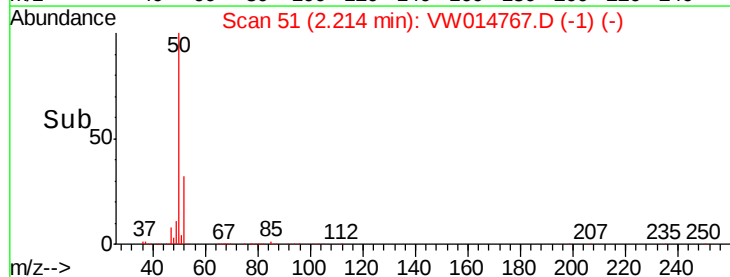
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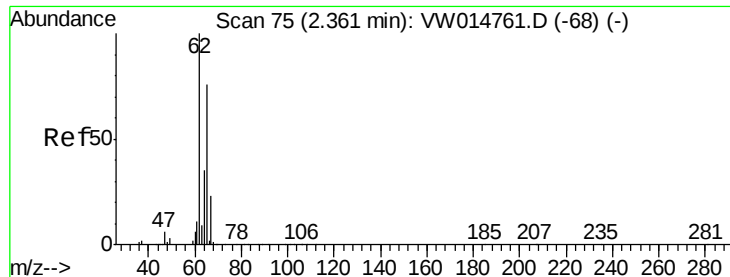
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50000

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Time-->





#5

Vinyl chloride

Concen: 24.086 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014767.D

Acq: 27 Jan 2020 14:47

Instrument :

MSVOA_W

ClientSampleId :

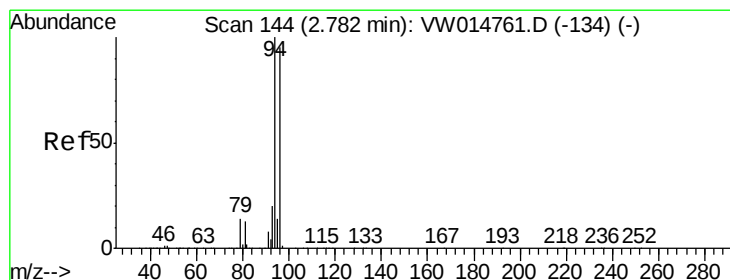
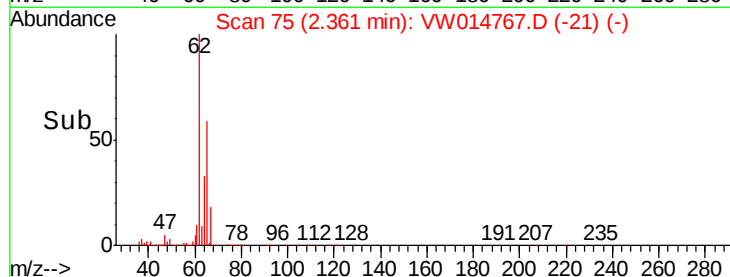
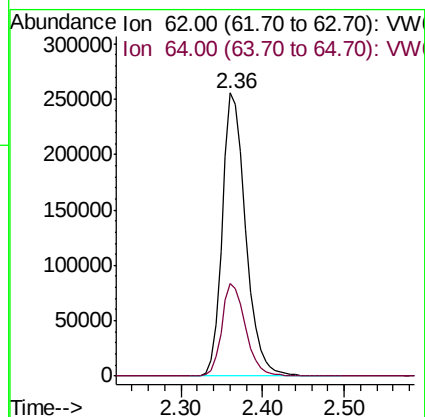
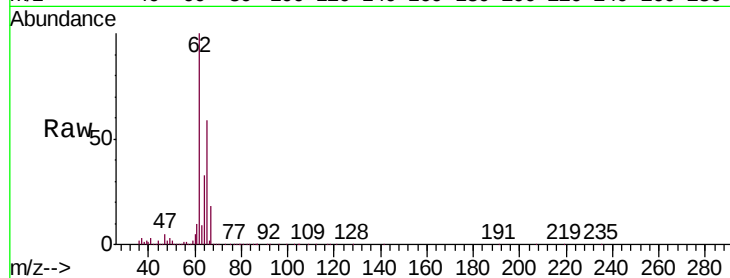
VICV02

Tgt Ion: 62 Resp: 510328

Ion Ratio Lower Upper

62 100

64 32.7 24.3 45.1



#6

Bromomethane

Concen: 24.674 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014767.D

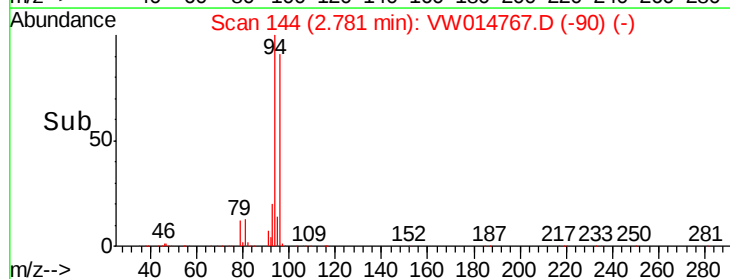
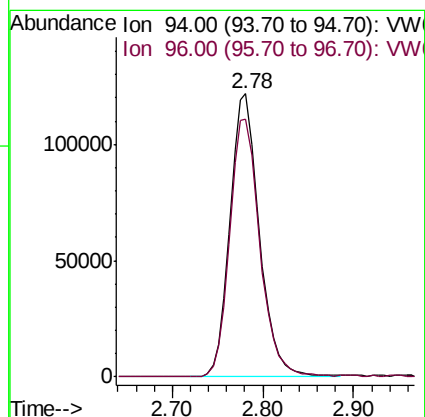
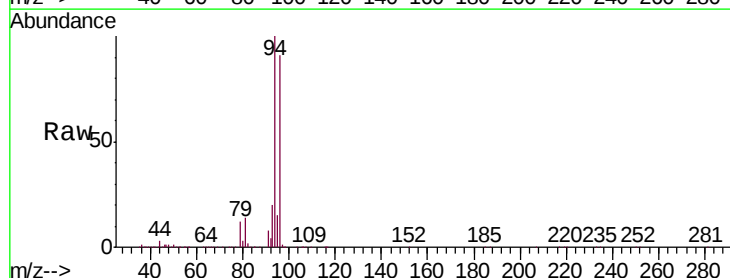
Acq: 27 Jan 2020 14:47

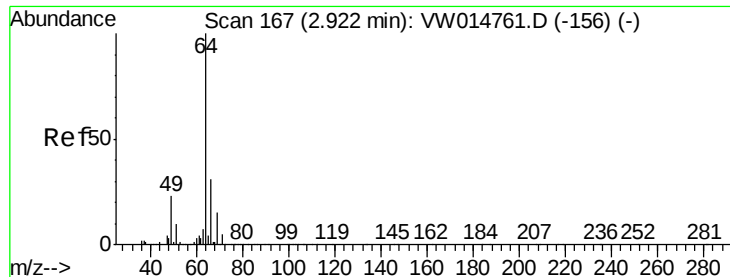
Tgt Ion: 94 Resp: 273275

Ion Ratio Lower Upper

94 100

96 93.7 9.3 177.7

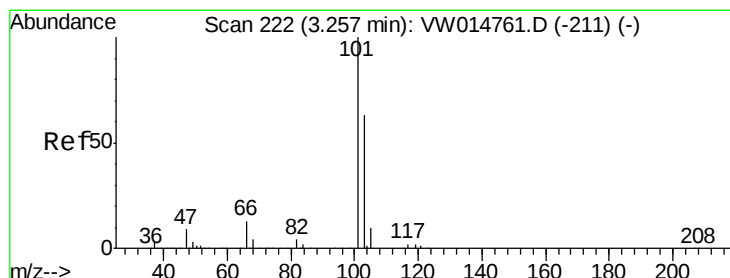
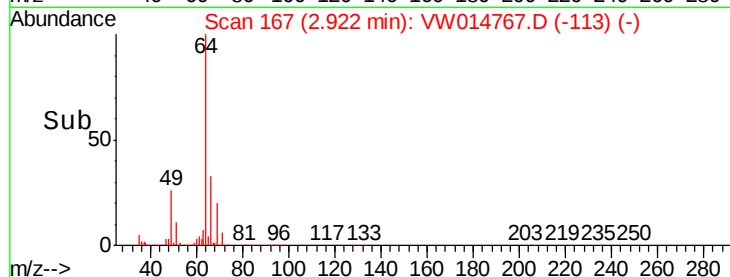
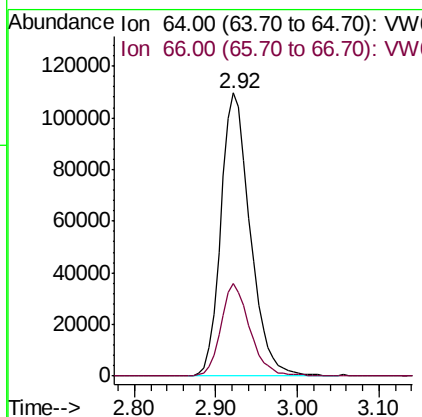
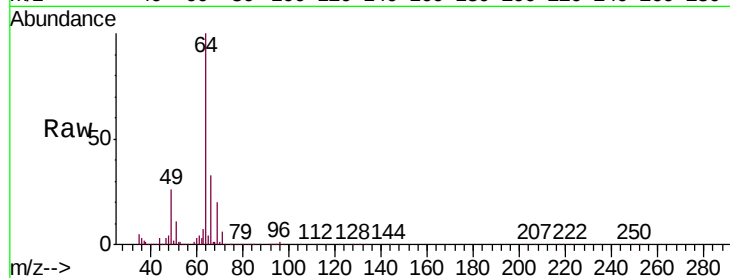




#8
Chloroethane
Concen: 23.804 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.00 min
Lab File: VW014767.D
Acq: 27 Jan 2020 14:47

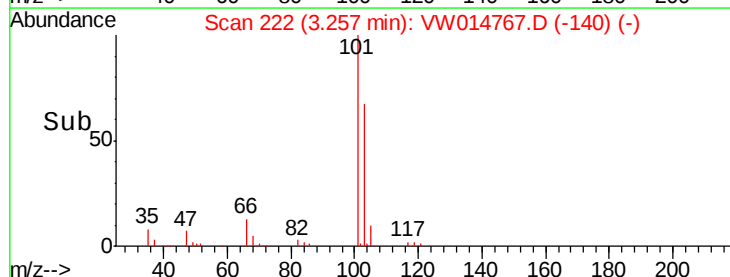
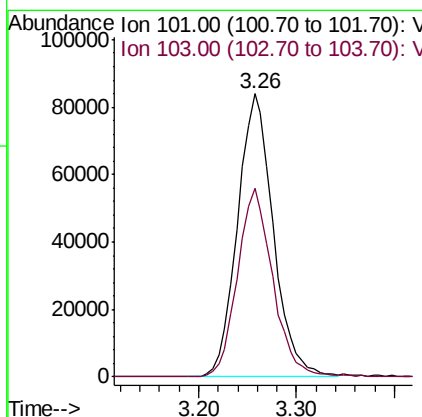
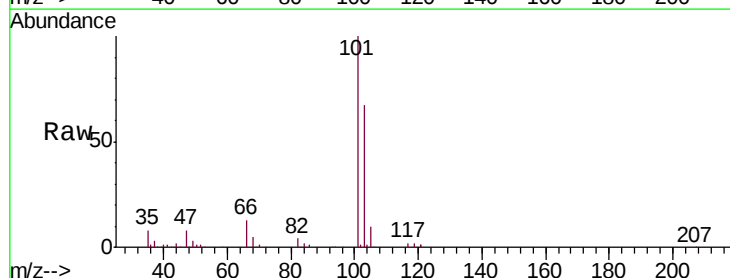
Instrument :
MSVOA_W
ClientSampled :
VICV02

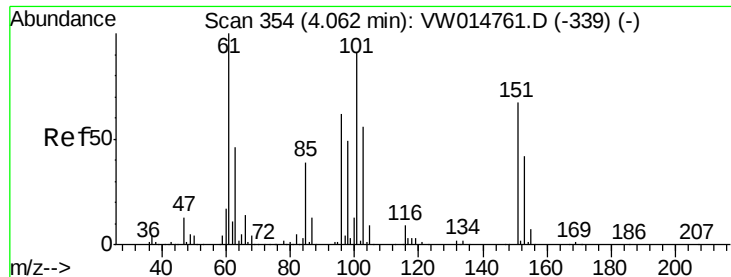
Tgt Ion: 64 Resp: 273236
Ion Ratio Lower Upper
64 100
66 32.8 21.8 40.4



#9
Trichlorofluoromethane
Concen: 20.955 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW014767.D
Acq: 27 Jan 2020 14:47

Tgt Ion: 101 Resp: 213197
Ion Ratio Lower Upper
101 100
103 65.5 45.1 83.9





#11

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

Concen: 24.692 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW014767.D

Acq: 27 Jan 2020 14:47

Instrument :

MSVOA_W

ClientSampled :

VICV02

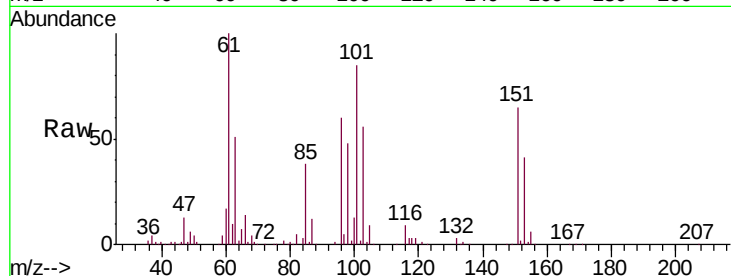
Tgt Ion:101 Resp: 358830

Ion Ratio Lower Upper

101 100

85 43.1 33.8 50.6

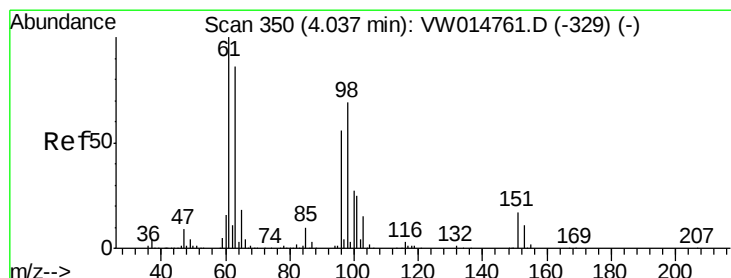
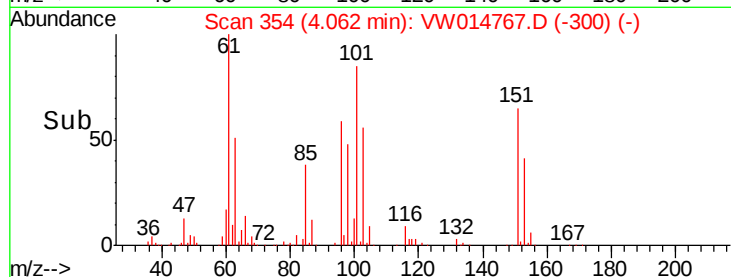
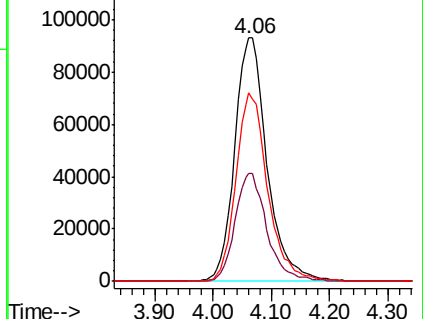
151 75.7 59.7 89.5



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: 24.760 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

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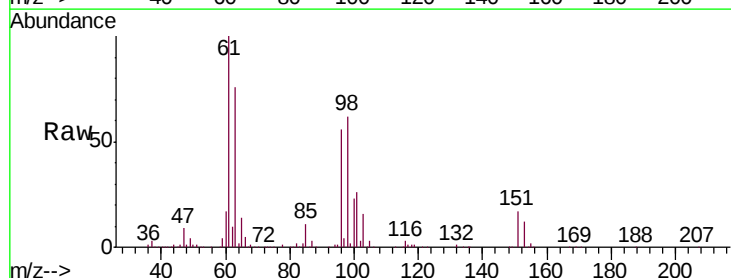
Tgt Ion: 96 Resp: 354831

Ion Ratio Lower Upper

96 100

61 177.8 124.3 230.9

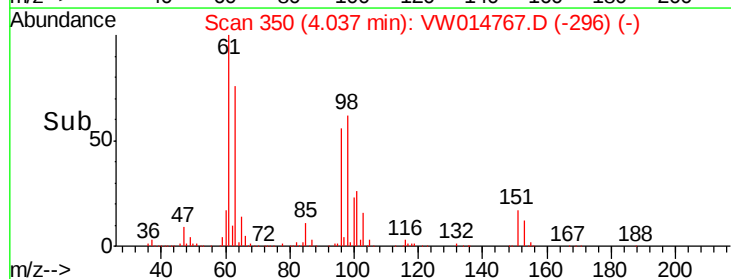
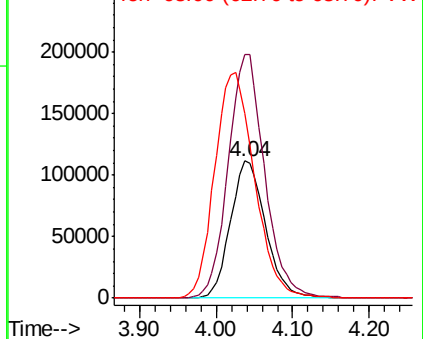
63 135.3 107.0 198.6

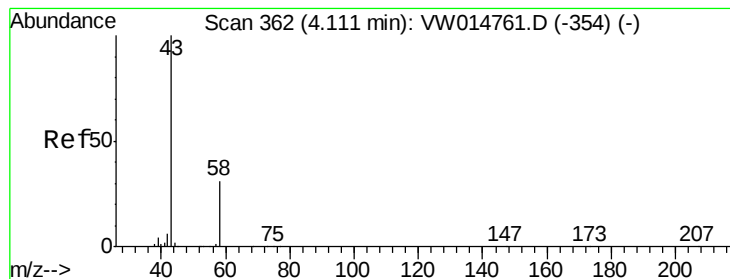


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 43.956 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

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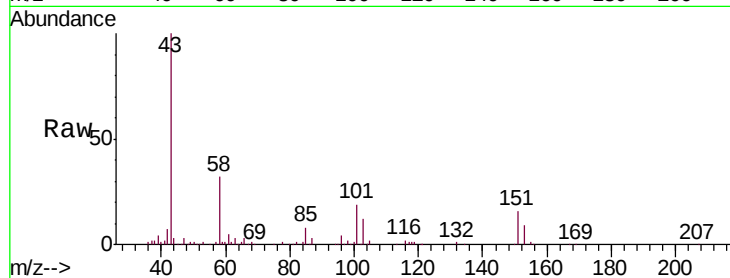
VICV02

Tgt Ion: 43 Resp: 222267

Ion Ratio Lower Upper

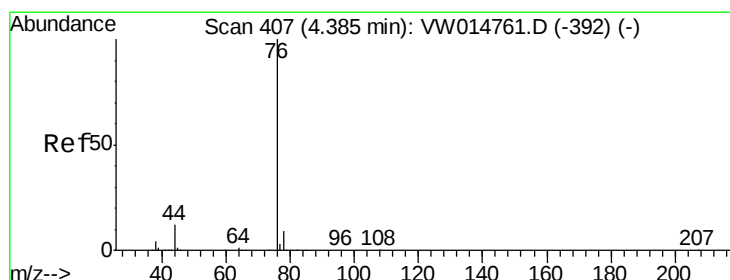
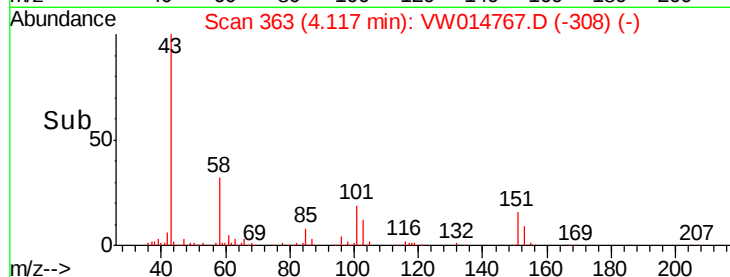
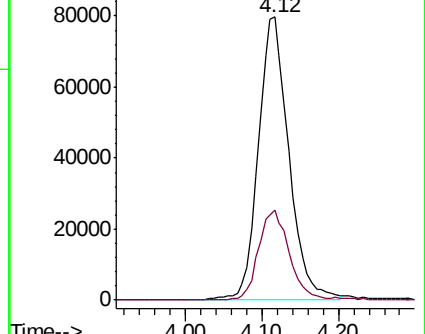
43 100

58 31.8 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.887 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014767.D

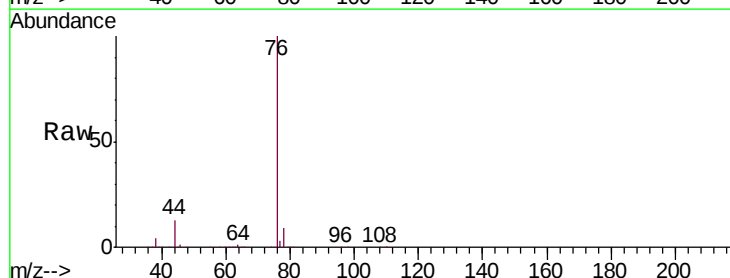
Acq: 27 Jan 2020 14:47

Tgt Ion: 76 Resp: 1167495

Ion Ratio Lower Upper

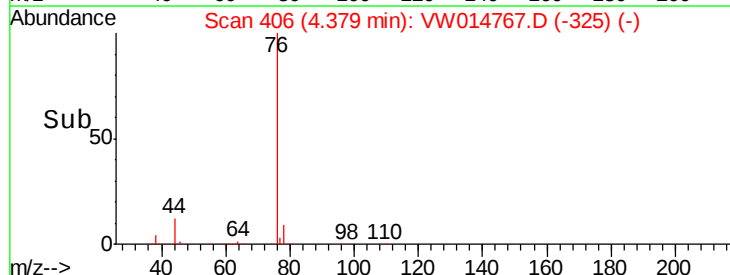
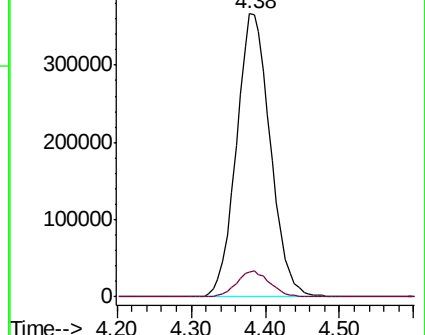
76 100

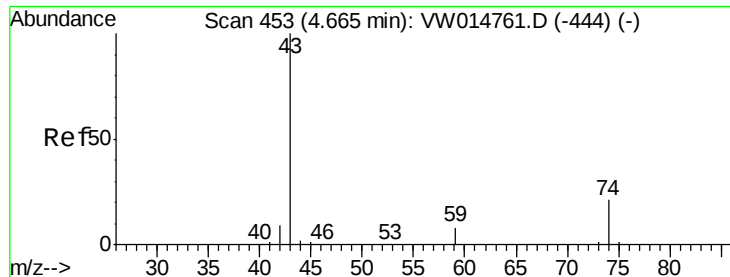
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

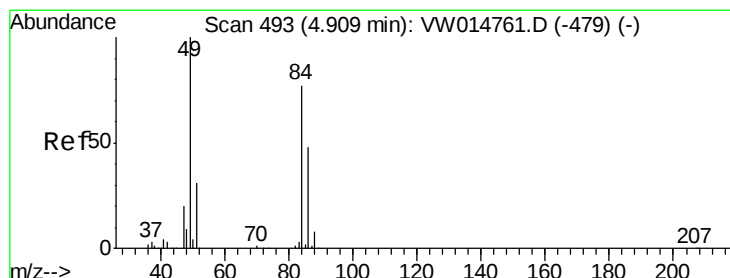
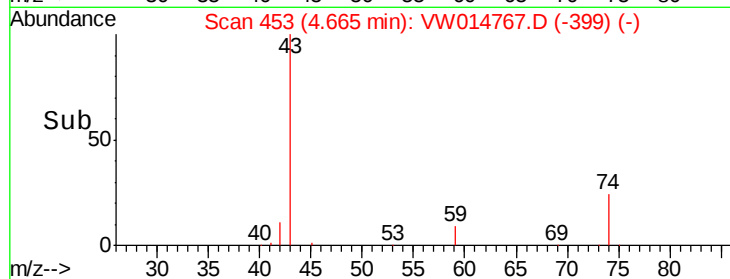
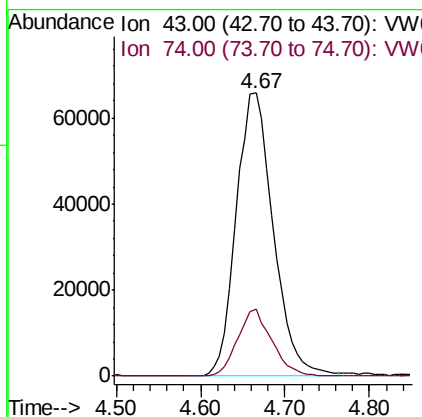
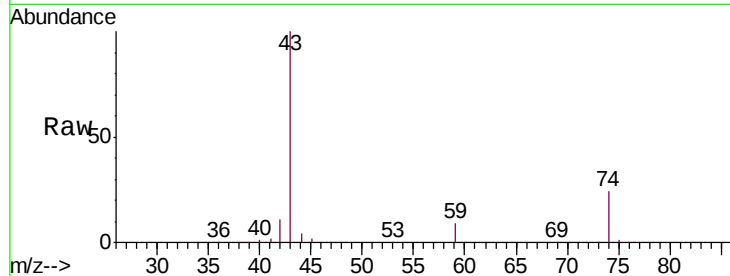




#15
Methyl Acetate
Concen: 25.998 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW014767.D
Acq: 27 Jan 2020 14:47

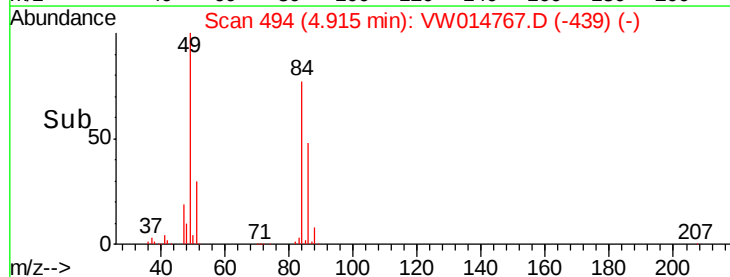
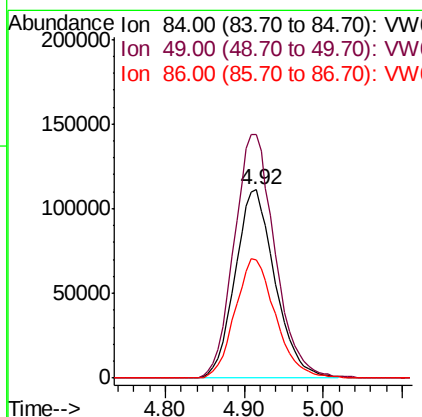
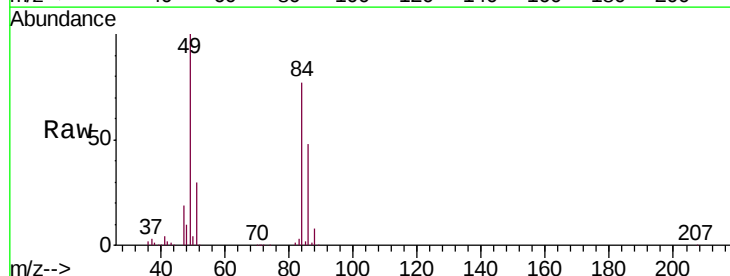
Instrument :
MSVOA_W
ClientSampled :
VICV02

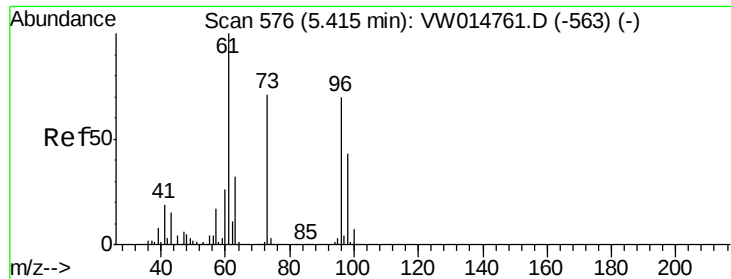
Tgt Ion: 43 Resp: 196188
Ion Ratio Lower Upper
43 100
74 21.8 18.0 27.0



#16
Methylene chloride
Concen: 22.057 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014767.D
Acq: 27 Jan 2020 14:47

Tgt Ion: 84 Resp: 391308
Ion Ratio Lower Upper
84 100
49 129.1 90.9 168.7
86 62.6 43.5 80.7

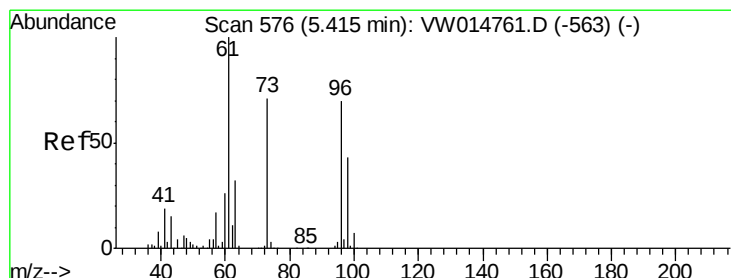
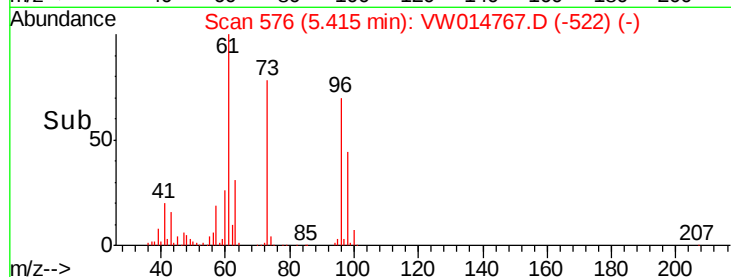
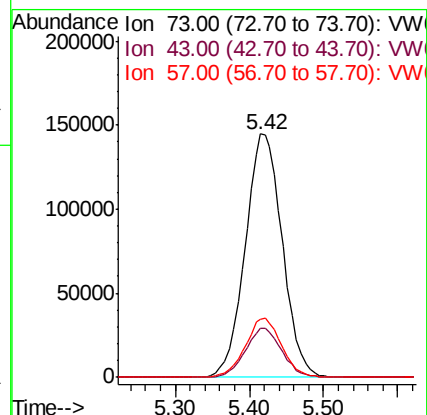
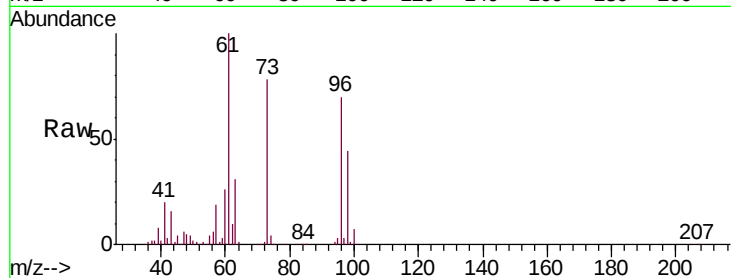




#17
Methyl tert-butyl Ether
Concen: 26.601 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW014767.D
Acq: 27 Jan 2020 14:47

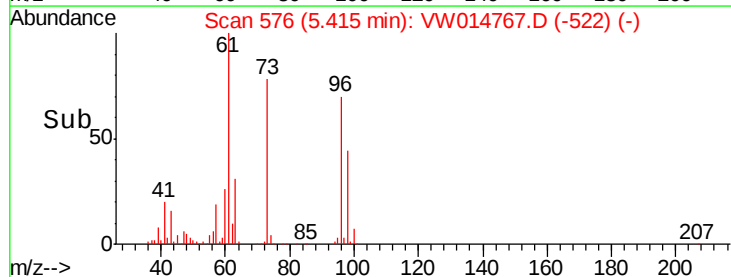
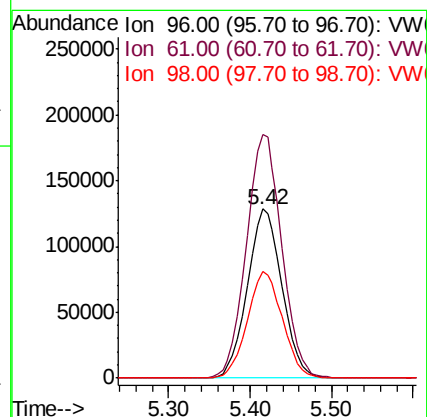
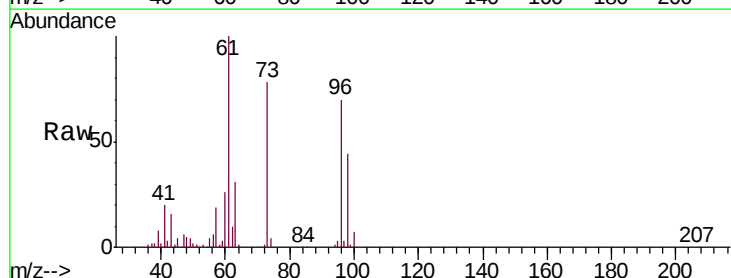
Instrument :
MSVOA_W
ClientSampleId :
VICV02

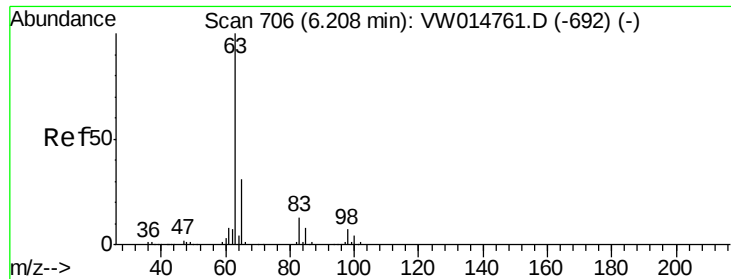
Tgt Ion: 73 Resp: 503911
Ion Ratio Lower Upper
73 100
43 20.0 16.2 24.4
57 23.7 19.1 28.7



#18
trans-1,2-Dichloroethene
Concen: 25.529 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW014767.D
Acq: 27 Jan 2020 14:47

Tgt Ion: 96 Resp: 377994
Ion Ratio Lower Upper
96 100
61 143.9 100.2 186.0
98 63.0 43.1 80.1

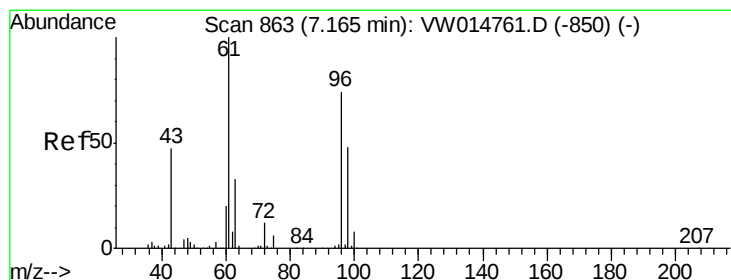
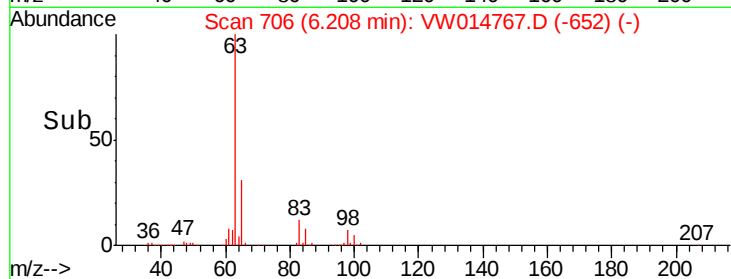
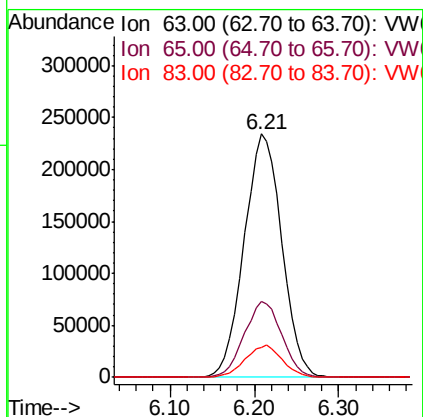
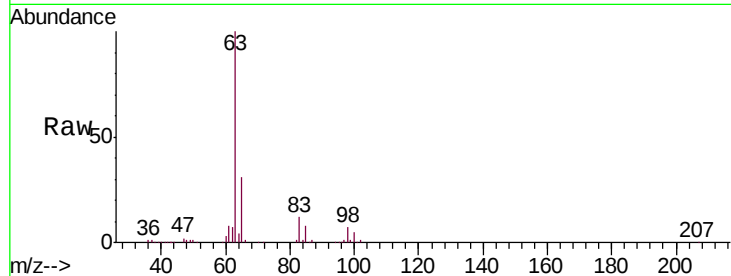




#19
 1,1-Dichloroethane
 Concen: 25.729 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW014767.D
 Acq: 27 Jan 2020 14:47

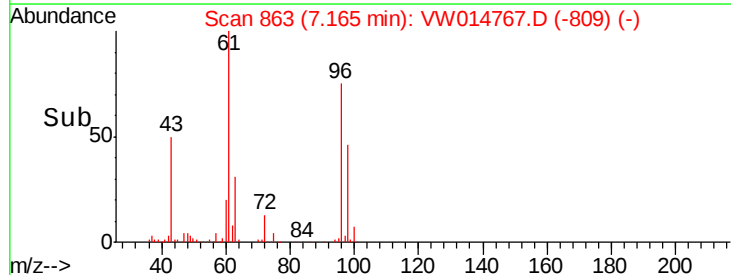
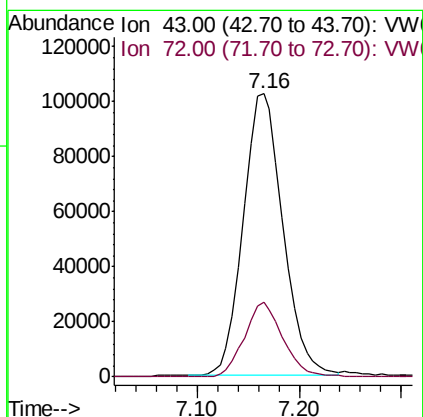
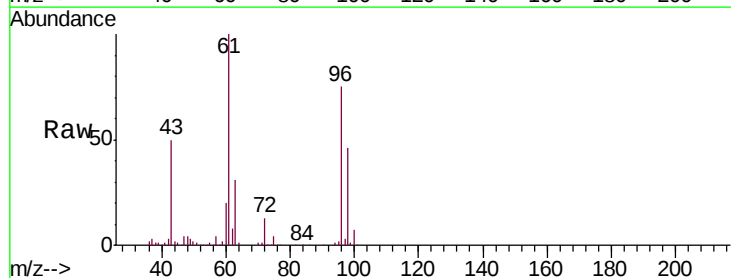
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV02

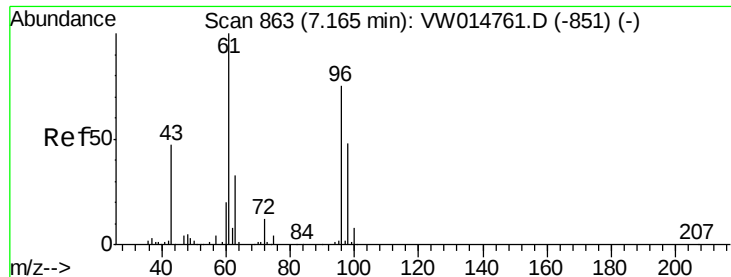
Tgt Ion: 63 Resp: 714396
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.7 40.3
 83 12.4 8.8 16.4



#21
 2-Butanone
 Concen: 49.042 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014767.D
 Acq: 27 Jan 2020 14:47

Tgt Ion: 43 Resp: 277663
 Ion Ratio Lower Upper
 43 100
 72 25.7 12.6 37.6



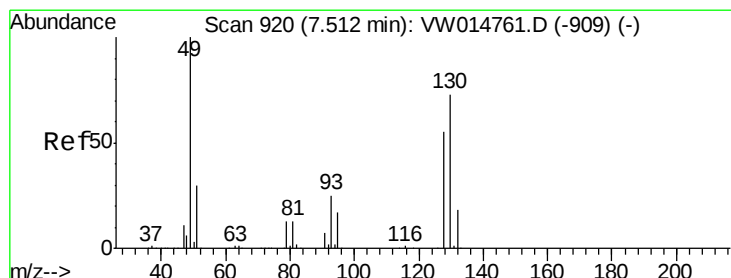
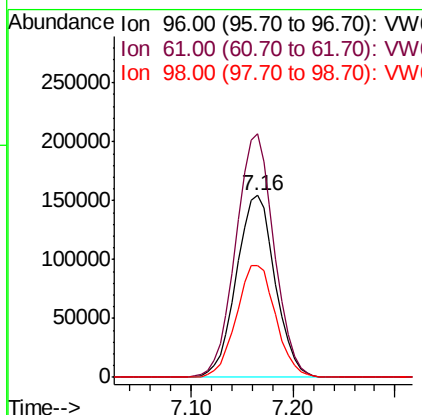
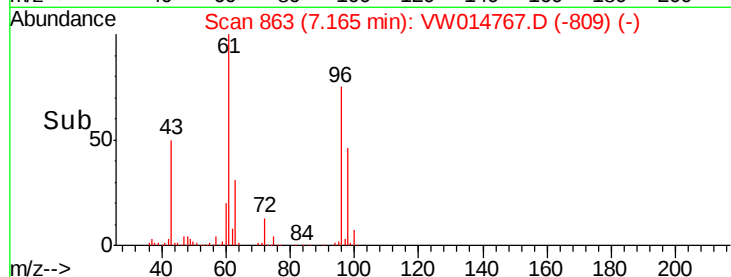
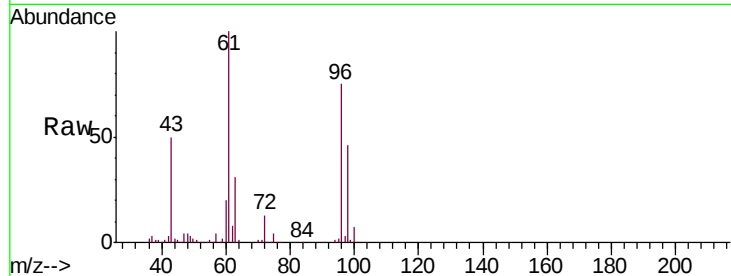


#22

cis-1,2-Dichloroethene
Concen: 26.336 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014767.D
Acq: 27 Jan 2020 14:47

Instrument :
MSVOA_W
ClientSampled :
VICV02

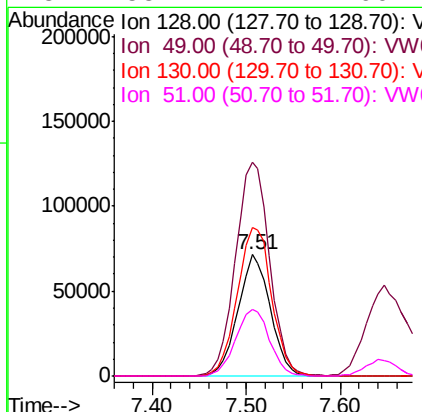
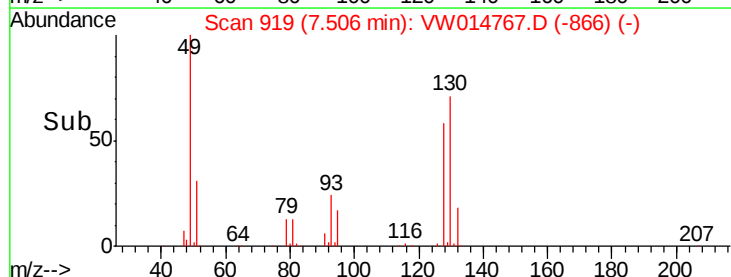
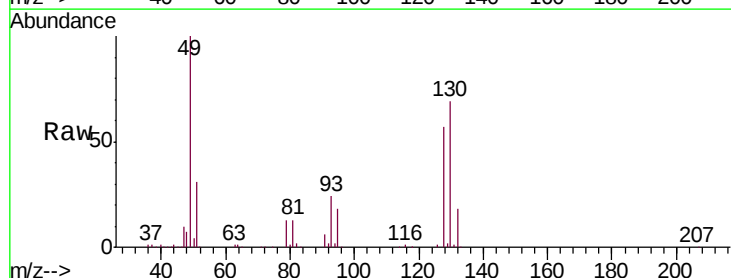
Tgt Ion: 96 Resp: 408249
Ion Ratio Lower Upper
96 100
61 133.9 94.1 174.7
98 61.1 44.9 83.3

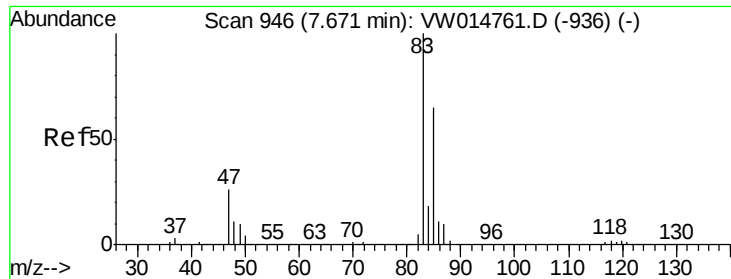


#23

Bromochloromethane
Concen: 25.340 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW014767.D
Acq: 27 Jan 2020 14:47

Tgt Ion:128 Resp: 171654
Ion Ratio Lower Upper
128 100
49 176.3 127.7 237.1
130 122.4 93.4 173.6
51 55.1 44.1 66.1

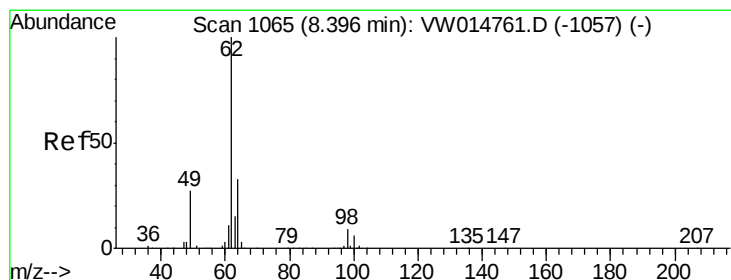
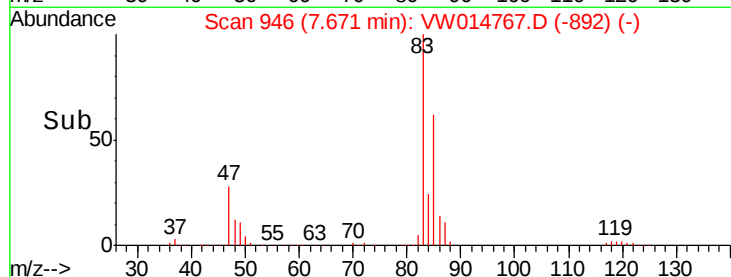
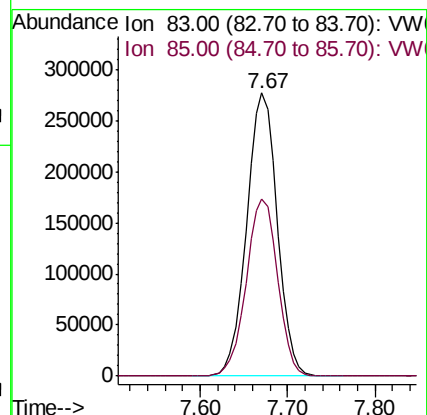
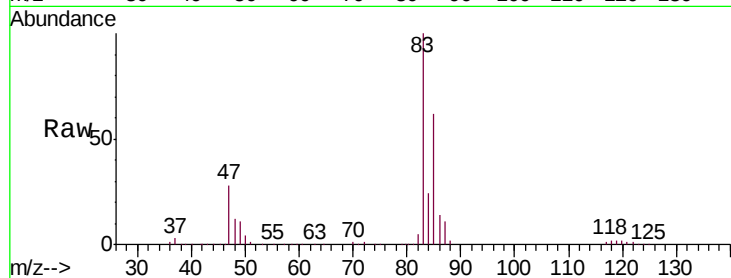




#25
Chloroform
Concen: 25.922 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014767.D
Acq: 27 Jan 2020 14:47

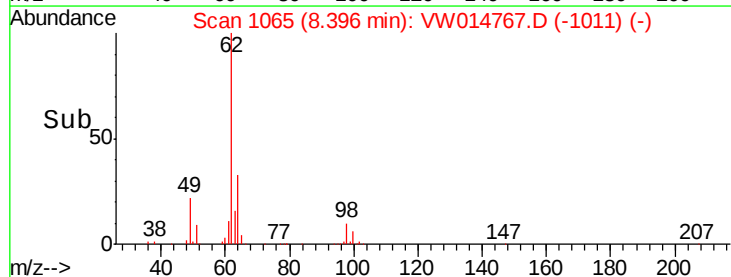
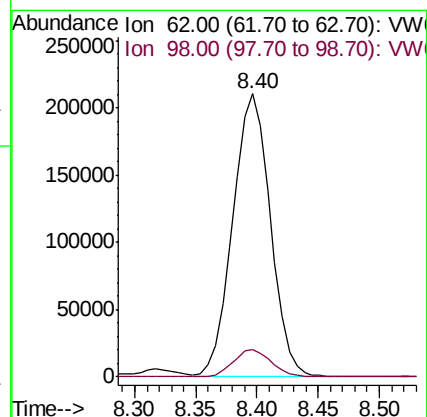
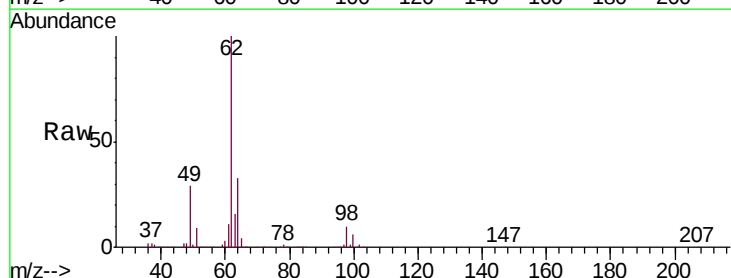
Instrument :
MSVOA_W
ClientSampled :
VICV02

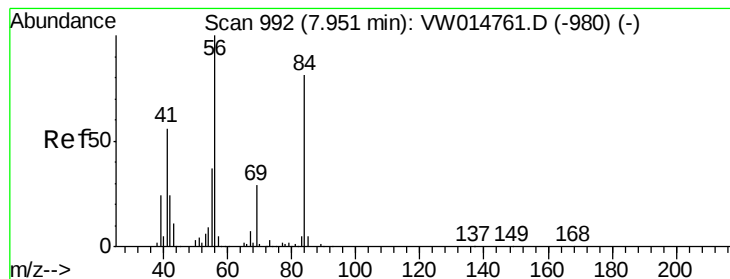
Tgt Ion: 83 Resp: 671556
Ion Ratio Lower Upper
83 100
85 64.4 46.0 85.4



#27
1,2-Dichloroethane
Concen: 26.114 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014767.D
Acq: 27 Jan 2020 14:47

Tgt Ion: 62 Resp: 447015
Ion Ratio Lower Upper
62 100
98 9.8 7.5 11.3





#30

Cyclohexane

Concen: 26.365 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014767.D

Acq: 27 Jan 2020 14:47

Instrument :

MSVOA_W

ClientSampleId :

VICV02

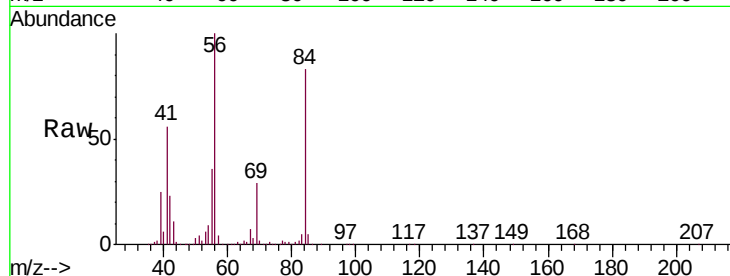
Tgt Ion: 56 Resp: 682132

Ion Ratio Lower Upper

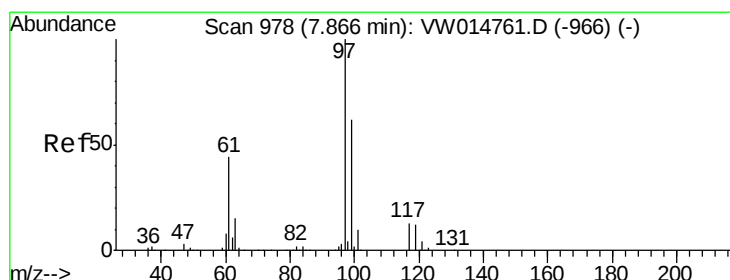
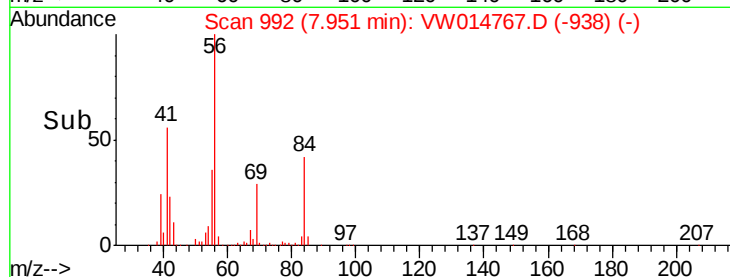
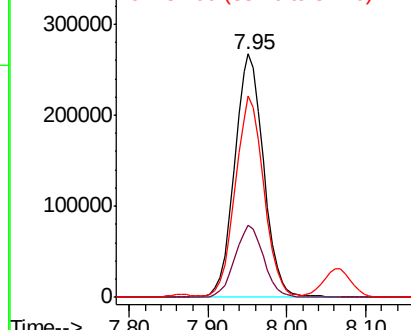
56 100

69 29.4 23.8 35.6

84 81.4 64.8 97.2



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: 25.126 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW014767.D

Acq: 27 Jan 2020 14:47

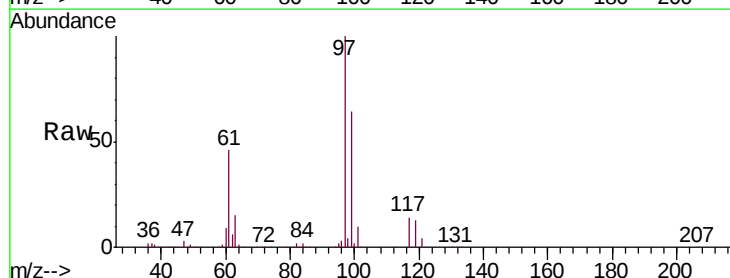
Tgt Ion: 97 Resp: 519812

Ion Ratio Lower Upper

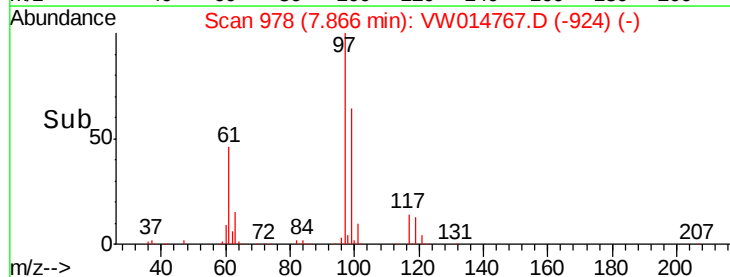
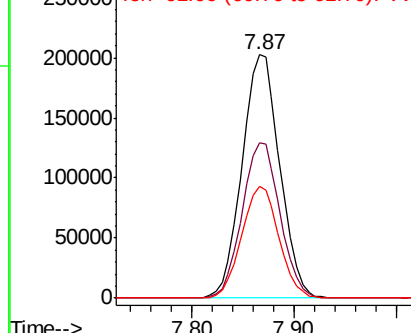
97 100

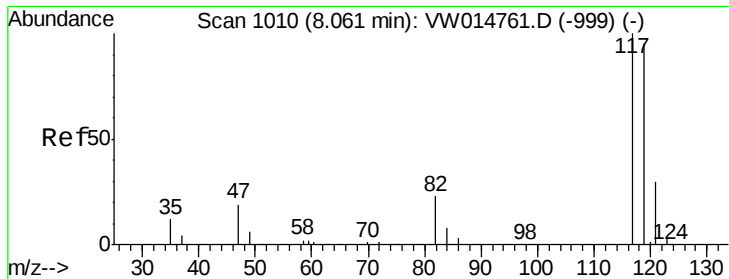
99 64.3 50.9 76.3

61 45.5 36.4 54.6



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: 25.098 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW014767.D

Acq: 27 Jan 2020 14:47

Instrument :

MSVOA_W

ClientSampleId :

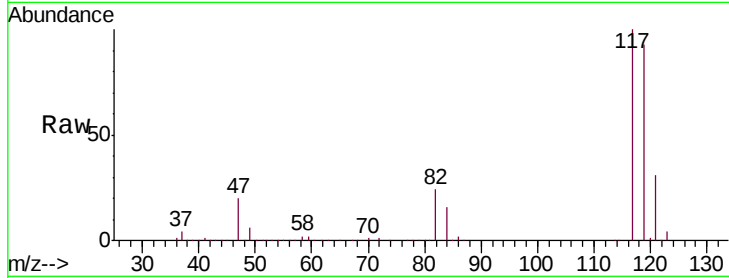
VICV02

Tgt Ion:117 Resp: 486616

Ion Ratio Lower Upper

117 100

119 95.0 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

200000

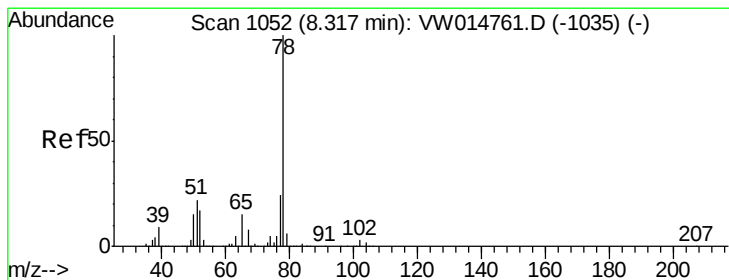
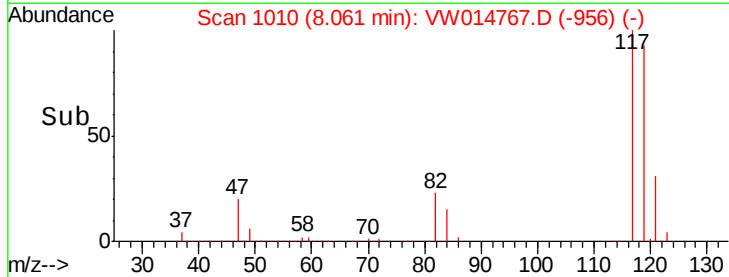
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 25.988 ug/L

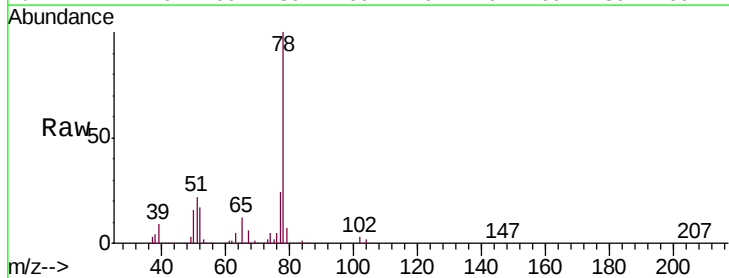
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VW014767.D

Acq: 27 Jan 2020 14:47

Tgt Ion: 78 Resp: 1576968



Abundance Ion 78.00 (77.70 to 78.70): VW

800000

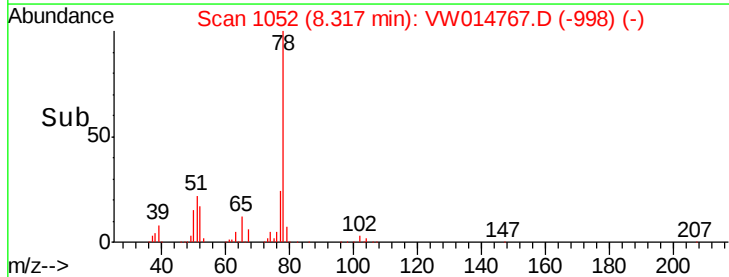
600000

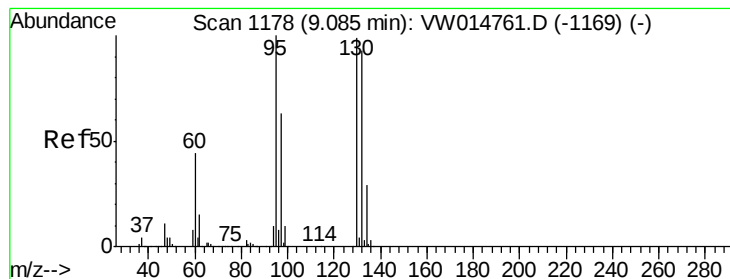
400000

200000

0

Time-->





#35

Trichloroethene

Concen: 25.187 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW014767.D

Acq: 27 Jan 2020 14:47

Instrument :

MSVOA_W

ClientSampleId :

VICV02

Tgt Ion: 95 Resp: 388264

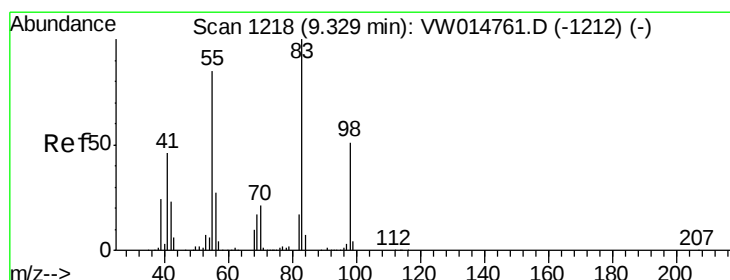
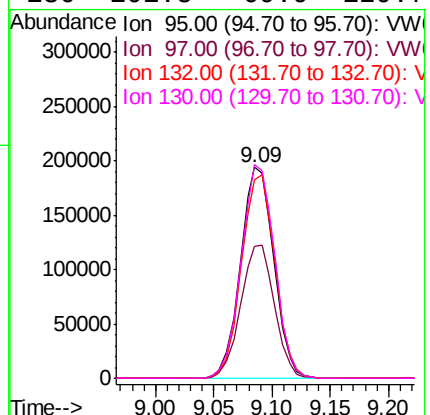
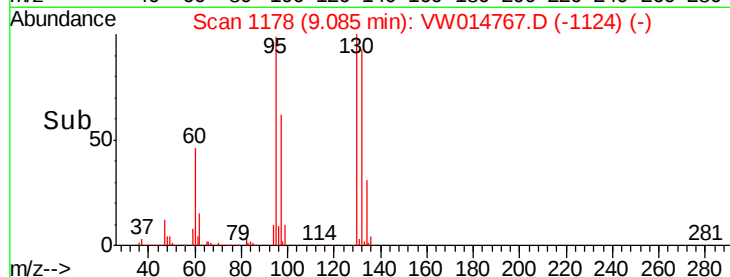
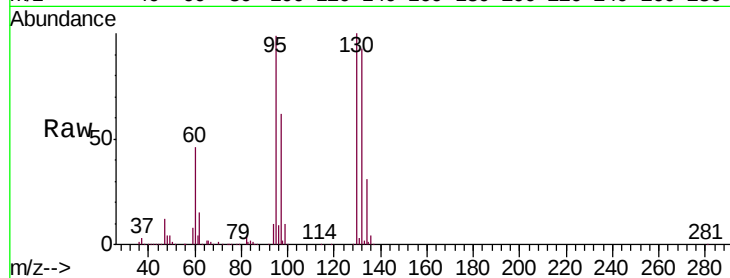
Ion Ratio Lower Upper

95 100

97 63.7 44.3 82.3

132 96.9 67.1 124.7

130 101.8 69.9 129.7



#36

Methylcyclohexane

Concen: 26.050 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VW014767.D

Acq: 27 Jan 2020 14:47

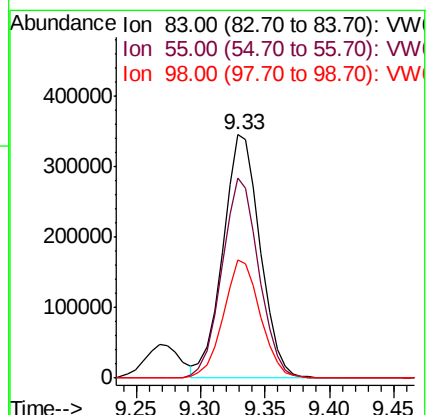
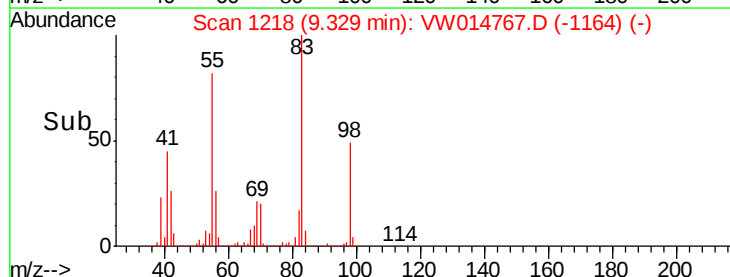
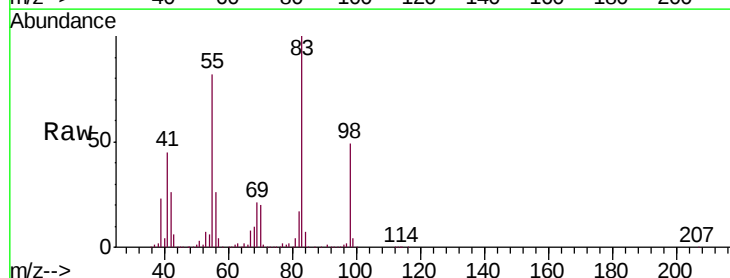
Tgt Ion: 83 Resp: 698625

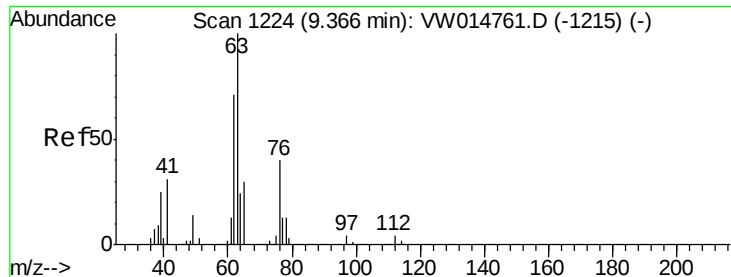
Ion Ratio Lower Upper

83 100

55 81.7 65.6 98.4

98 48.0 38.0 57.0

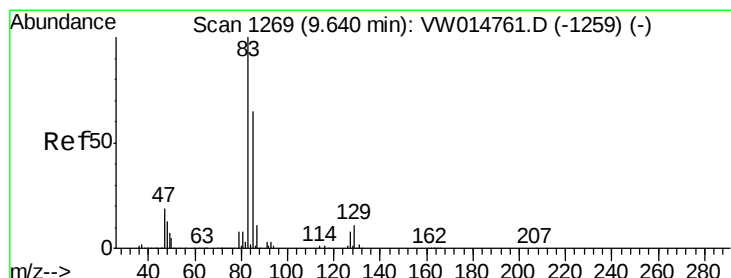
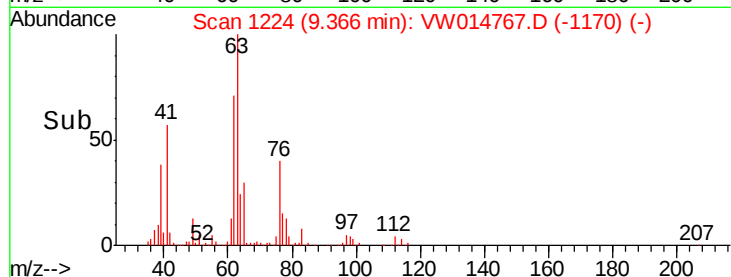
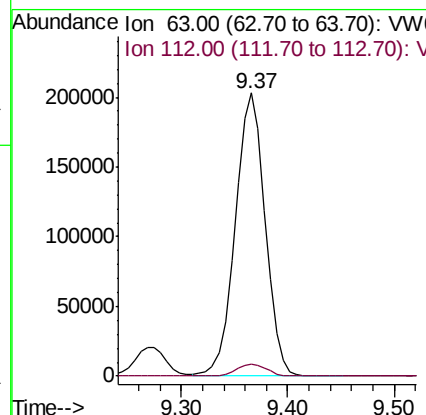
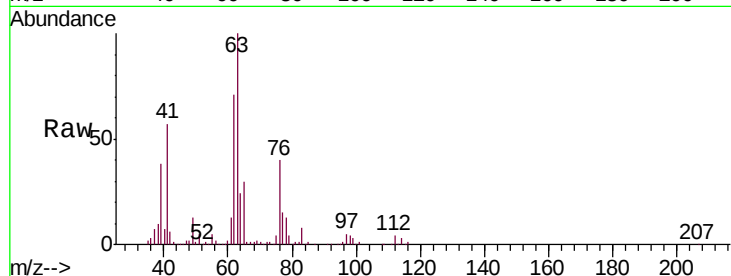




#40
 1,2-Dichloropropane
 Concen: 25.944 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014767.D
 Acq: 27 Jan 2020 14:47

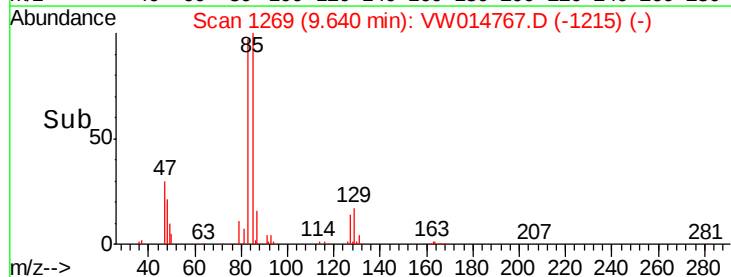
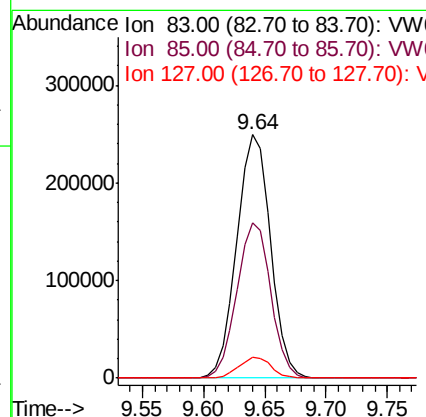
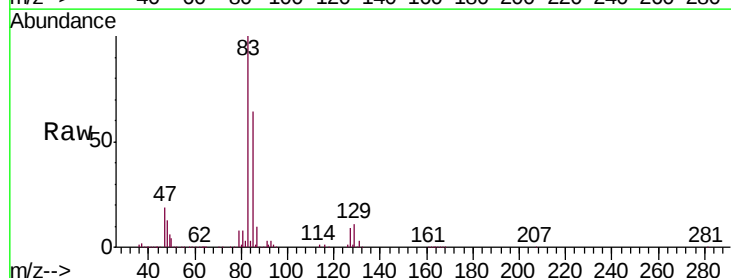
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV02

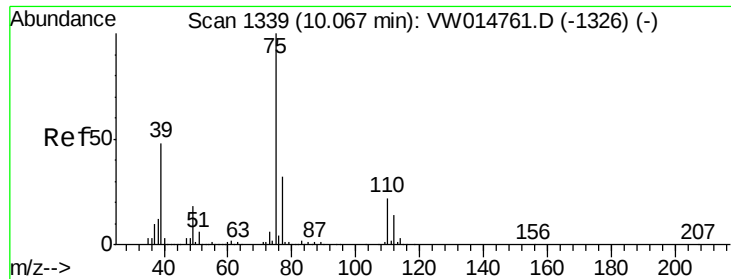
Tgt Ion: 63 Resp: 399094
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.6 5.4



#41
 Bromodichloromethane
 Concen: 25.906 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014767.D
 Acq: 27 Jan 2020 14:47

Tgt Ion: 83 Resp: 476263
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.7 84.9
 127 8.6 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 26.390 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VW014767.D

Acq: 27 Jan 2020 14:47

Instrument :

MSVOA_W

ClientSampled :

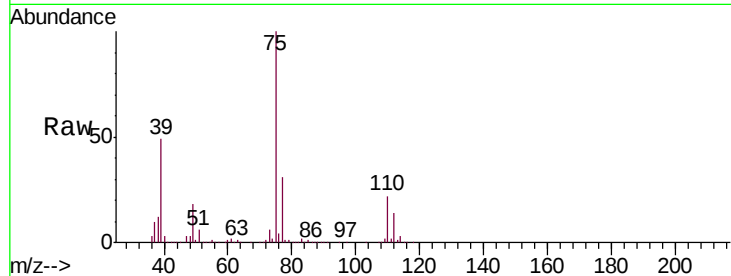
VICV02

Tgt Ion: 75 Resp: 592921

Ion Ratio Lower Upper

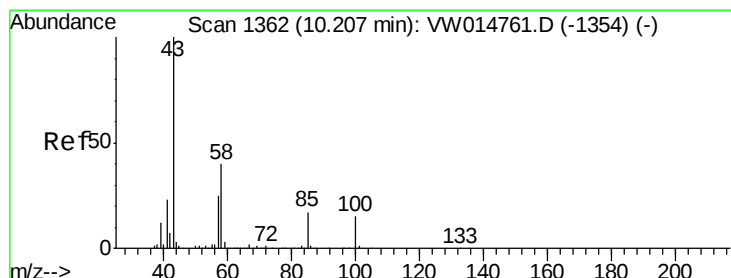
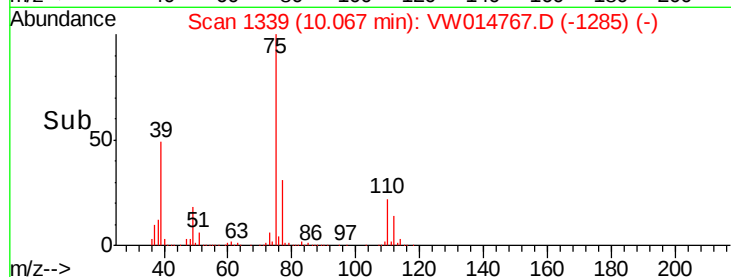
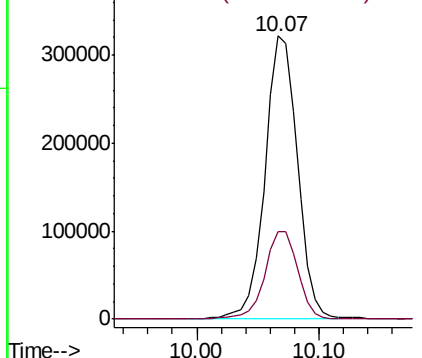
75 100

77 31.1 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 52.016 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014767.D

Acq: 27 Jan 2020 14:47

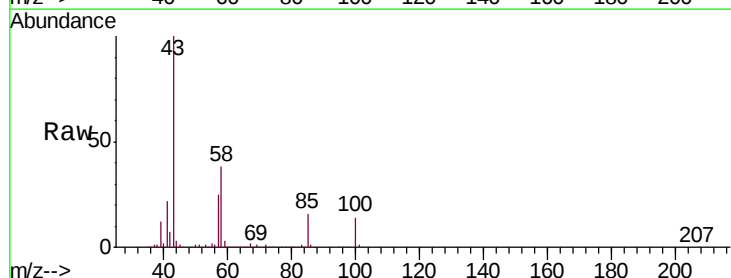
Tgt Ion: 43 Resp: 526135

Ion Ratio Lower Upper

43 100

58 39.3 30.9 46.3

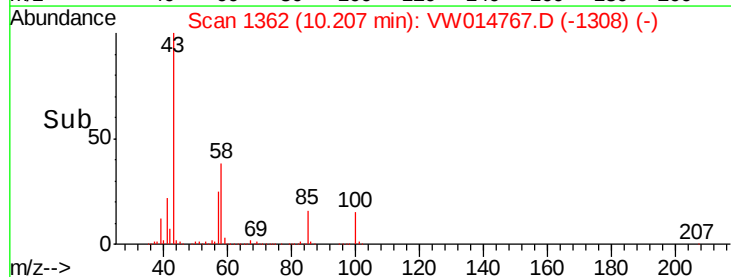
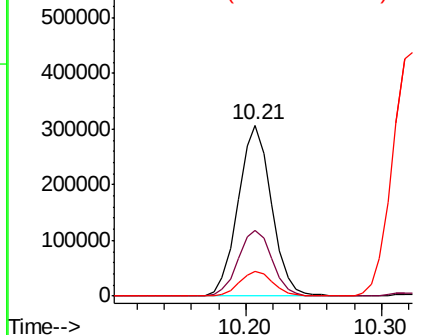
100 14.7 11.8 17.6

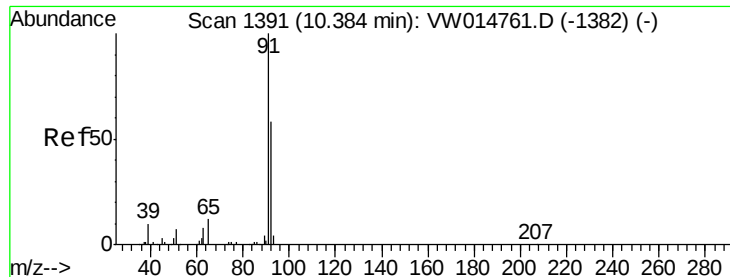


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 26.373 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014767.D

Acq: 27 Jan 2020 14:47

Instrument :

MSVOA_W

ClientSampled :

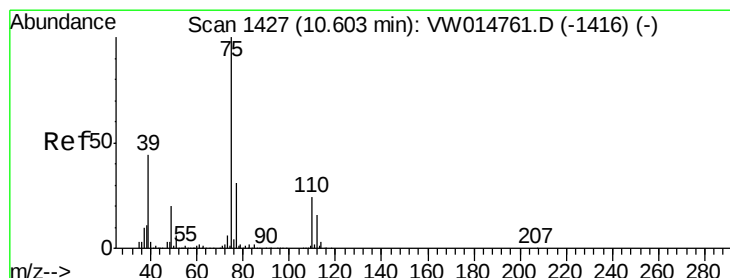
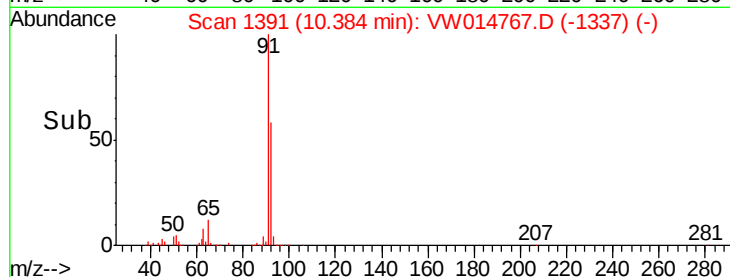
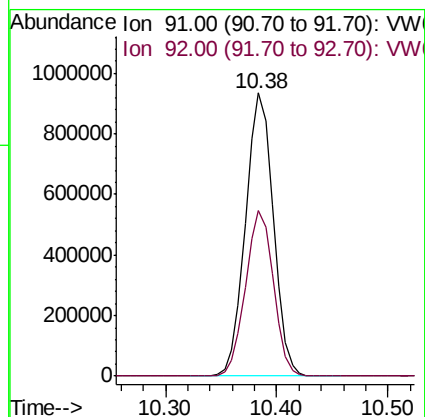
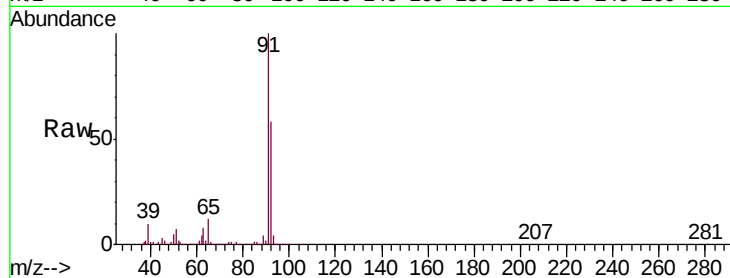
VICV02

Tgt Ion: 91 Resp: 1626096

Ion Ratio Lower Upper

91 100

92 58.5 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 26.110 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014767.D

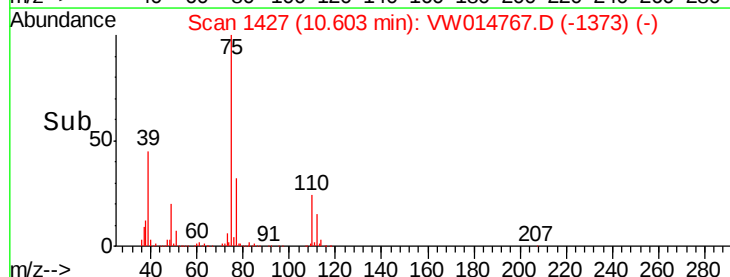
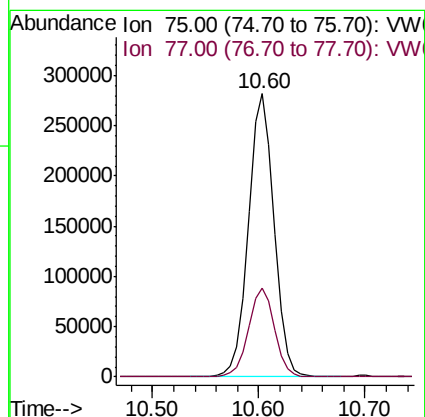
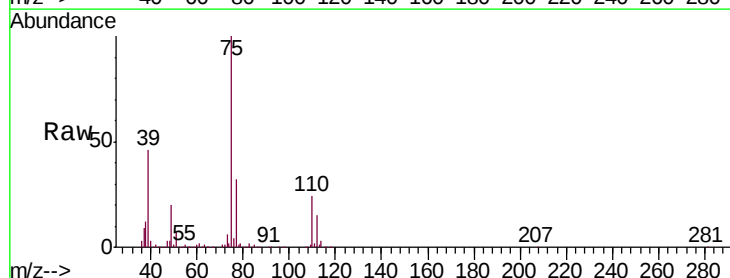
Acq: 27 Jan 2020 14:47

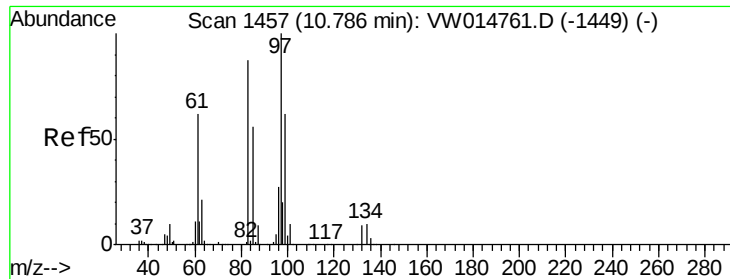
Tgt Ion: 75 Resp: 476231

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.0

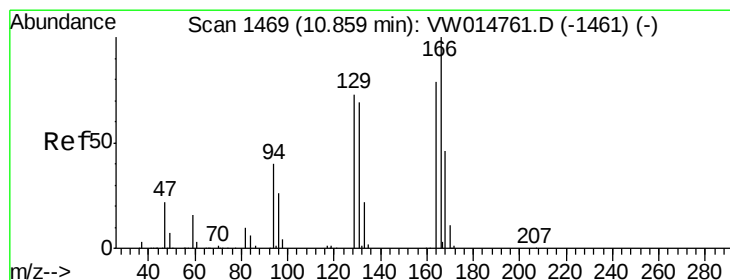
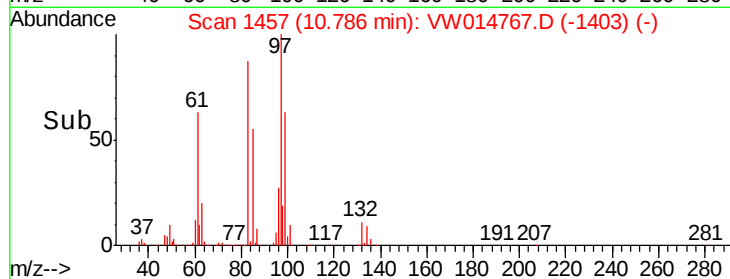
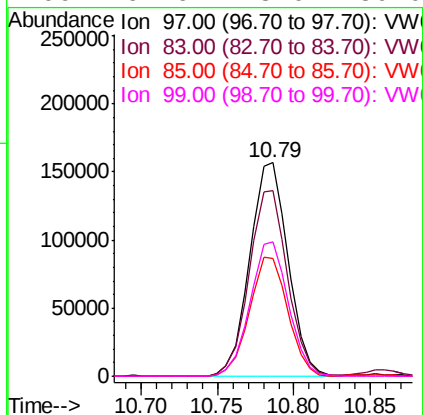
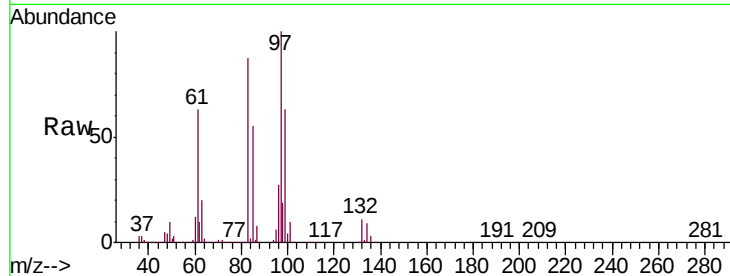




#46
 1,1,2-Trichloroethane
 Concen: 26.163 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014767.D
 Acq: 27 Jan 2020 14:47

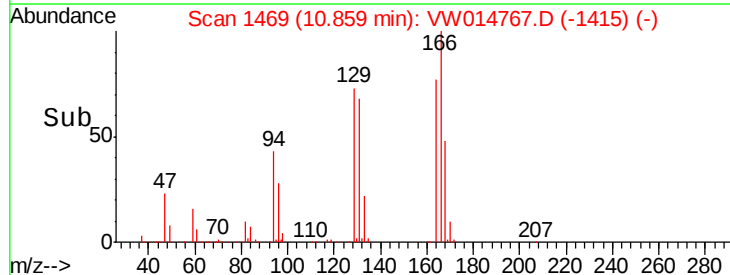
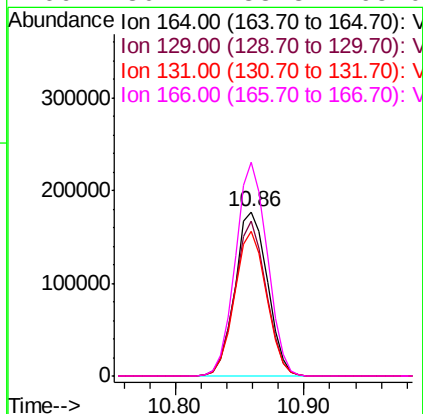
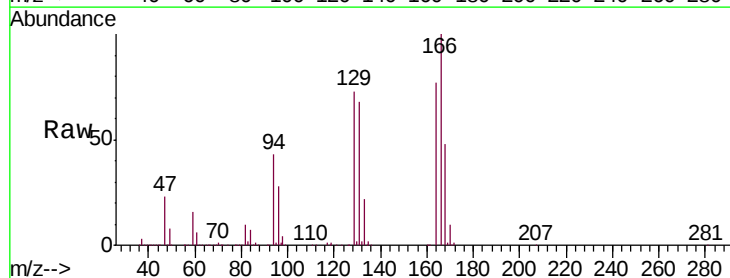
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV02

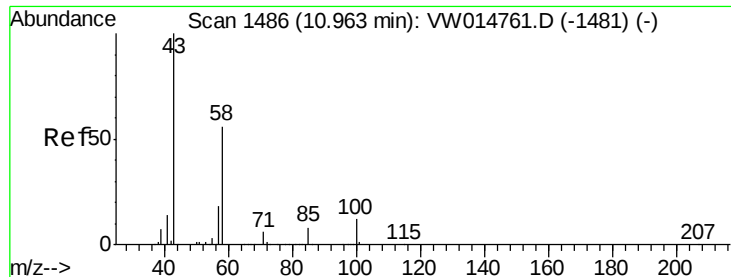
Tgt Ion:	97	Resp:	274734
Ion	Ratio	Lower	Upper
97	100		
83	87.1	60.9	113.1
85	55.0	39.2	72.8
99	62.6	43.0	80.0



#47
 Tetrachloroethene
 Concen: 25.186 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW014767.D
 Acq: 27 Jan 2020 14:47

Tgt Ion:	164	Resp:	310210
Ion	Ratio	Lower	Upper
164	100		
129	94.5	64.4	119.6
131	88.5	61.2	113.6
166	130.2	88.8	165.0

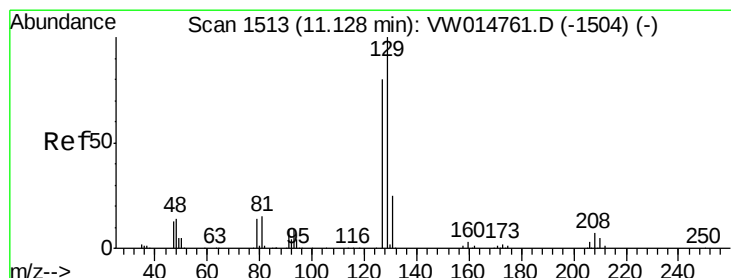
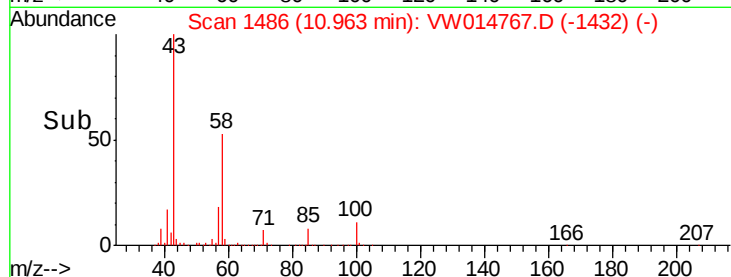
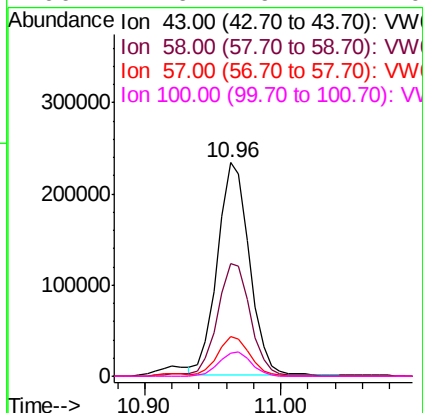
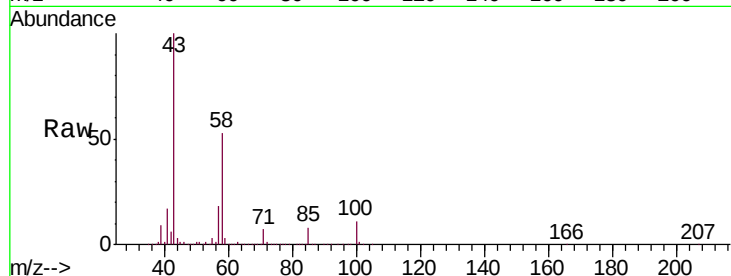




#49
2-Hexanone
Concen: 52.571 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014767.D
Acq: 27 Jan 2020 14:47

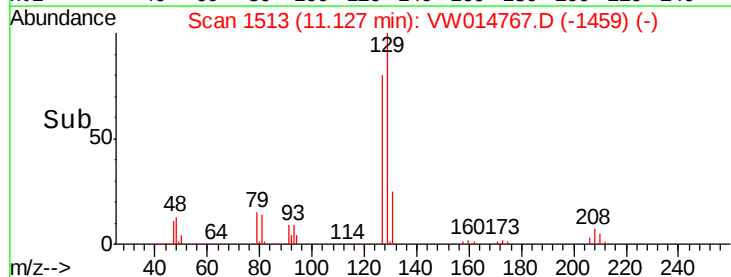
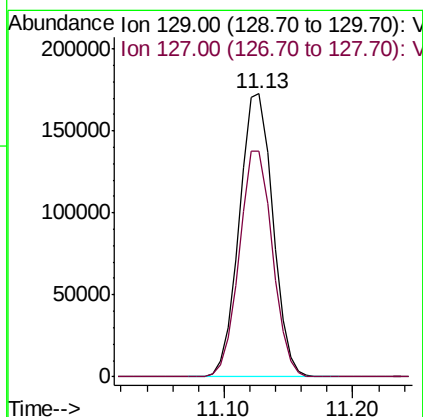
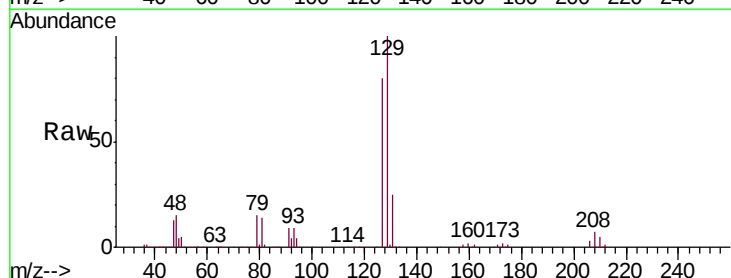
Instrument :
MSVOA_W
ClientSampleId :
VICV02

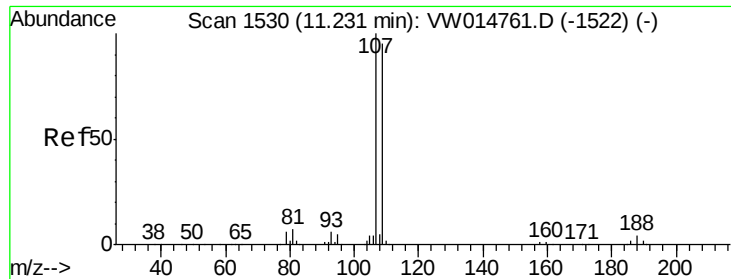
Tgt Ion:	43	Resp:	382313
Ion	Ratio	Lower	Upper
43	100		
58	55.0	43.2	64.8
57	18.9	14.7	22.1
100	11.6	9.4	14.0



#50
Dibromochloromethane
Concen: 25.994 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014767.D
Acq: 27 Jan 2020 14:47

Tgt Ion:	129	Resp:	311445
Ion	Ratio	Lower	Upper
129	100		
127	79.7	55.7	103.5

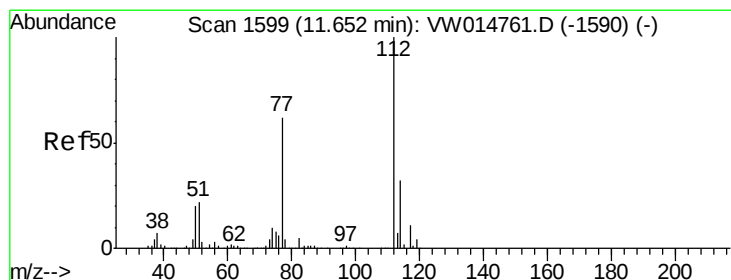
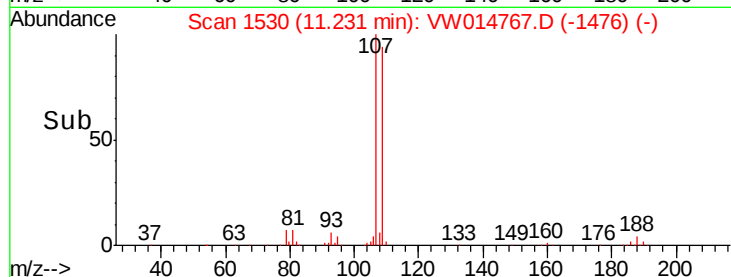
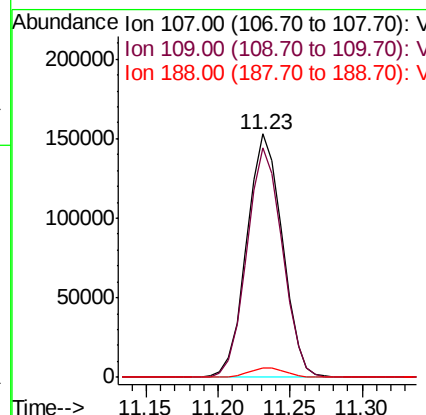
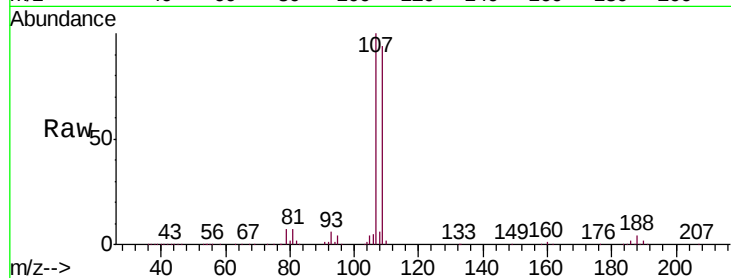




#51
1,2-Dibromoethane
Concen: 25.879 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014767.D
Acq: 27 Jan 2020 14:47

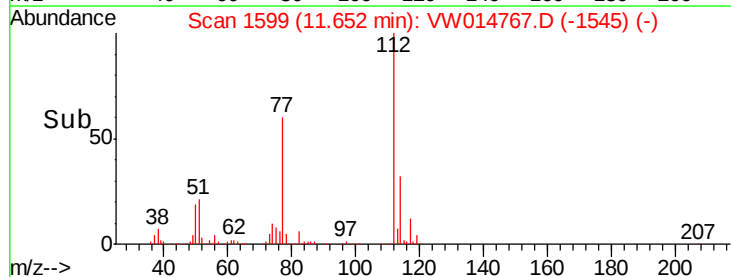
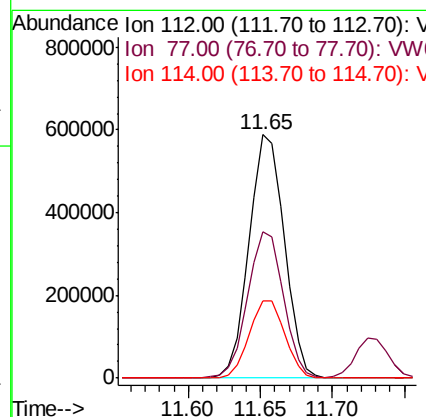
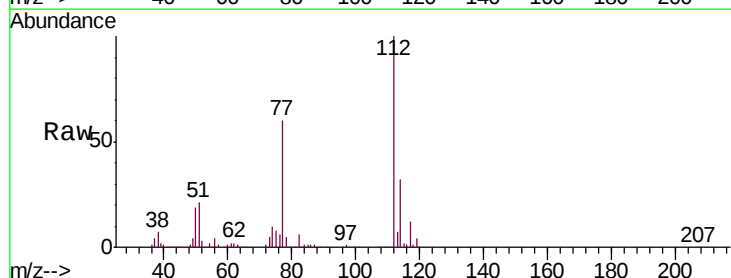
Instrument :
MSVOA_W
ClientSampleId :
VICV02

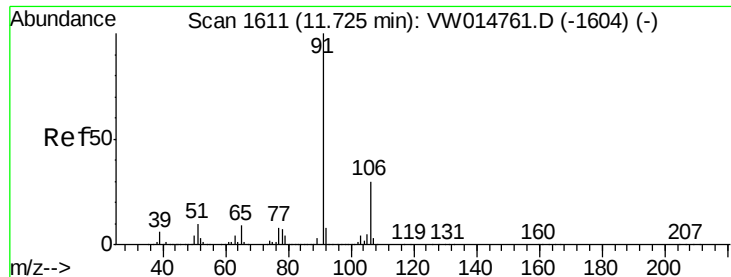
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.1	66.6	123.8
188	3.6	3.0	4.6



#52
Chlorobenzene
Concen: 25.895 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VW014767.D
Acq: 27 Jan 2020 14:47

Tgt Ion	Ratio	Lower	Upper
112	100		
77	60.0	49.2	73.8
114	31.7	22.5	41.7

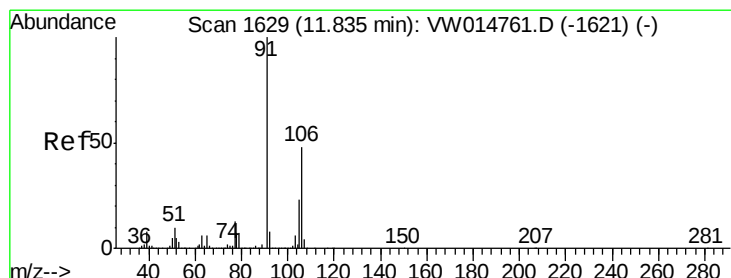
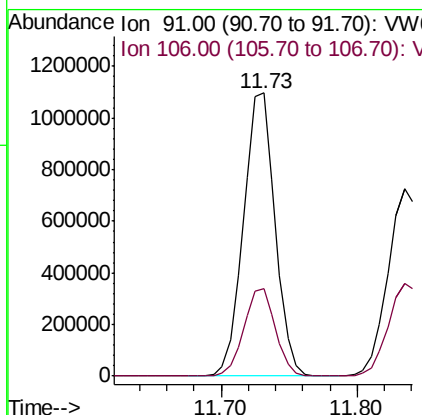
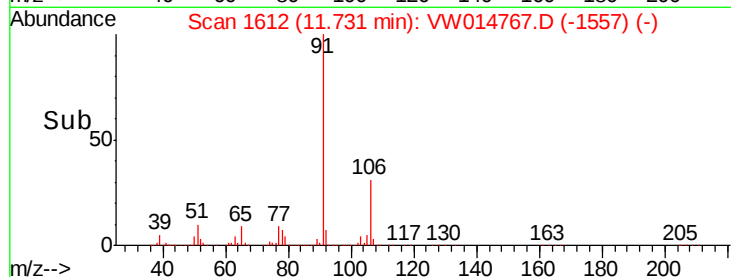
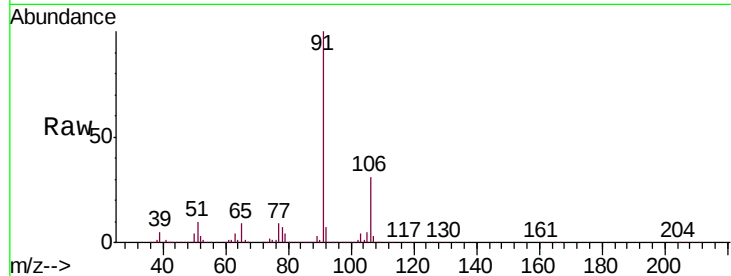




#53
Ethylbenzene
Concen: 26.427 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW014767.D
Acq: 27 Jan 2020 14:47

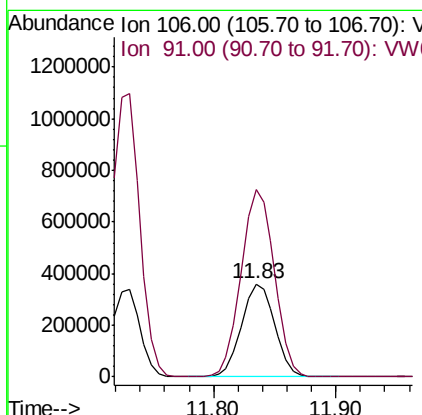
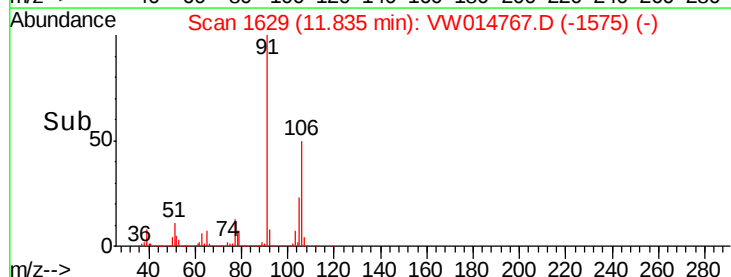
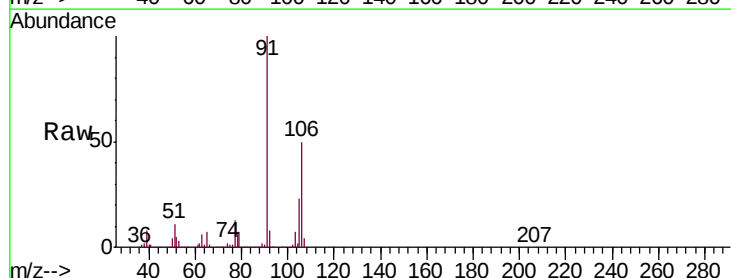
Instrument :
MSVOA_W
ClientSampled :
VICV02

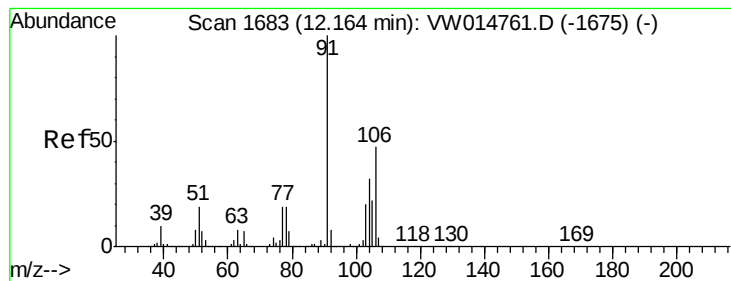
Tgt Ion: 91 Resp: 1780650
Ion Ratio Lower Upper
91 100
106 31.1 21.1 39.3



#54
m,p-Xylene
Concen: 26.884 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014767.D
Acq: 27 Jan 2020 14:47

Tgt Ion: 106 Resp: 677136
Ion Ratio Lower Upper
106 100
91 201.7 146.2 271.6





#55

o-xylene

Concen: 26.800 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014767.D

Acq: 27 Jan 2020 14:47

Instrument :

MSVOA_W

ClientSampled :

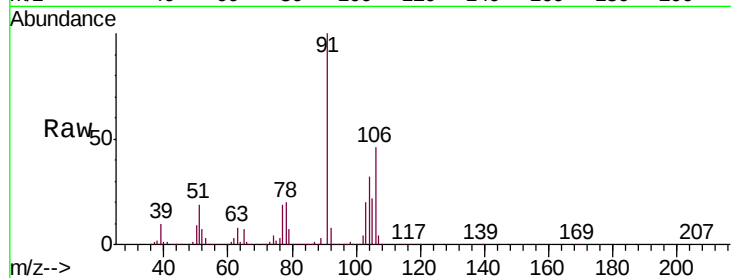
VICV02

Tgt Ion:106 Resp: 633373

Ion Ratio Lower Upper

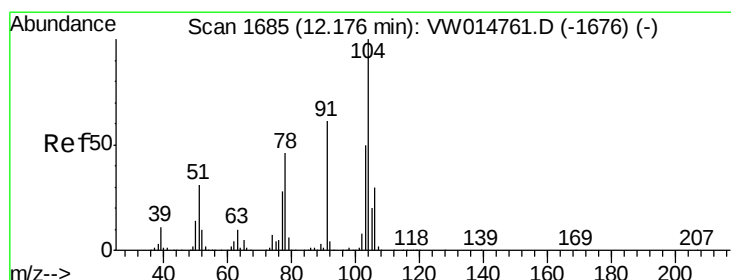
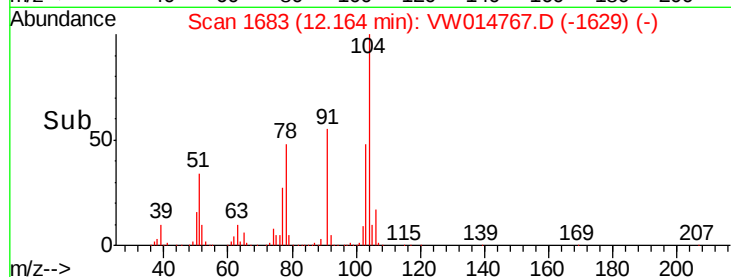
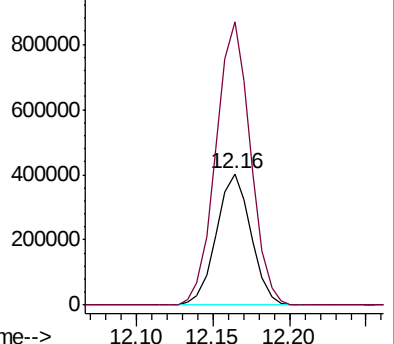
106 100

91 215.6 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.540 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014767.D

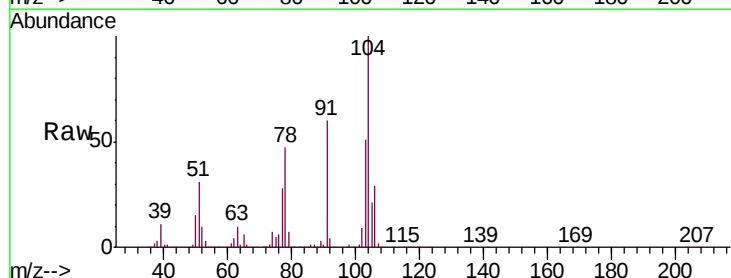
Acq: 27 Jan 2020 14:47

Tgt Ion:104 Resp: 1103867

Ion Ratio Lower Upper

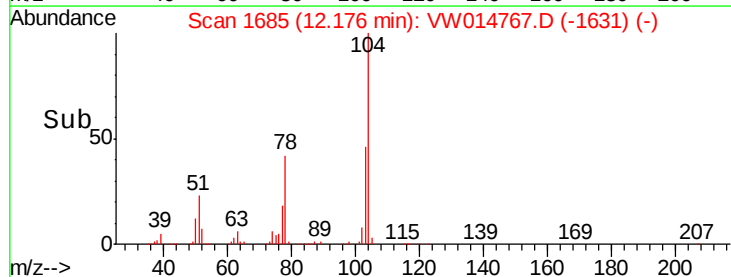
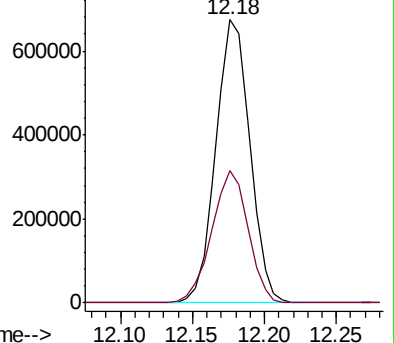
104 100

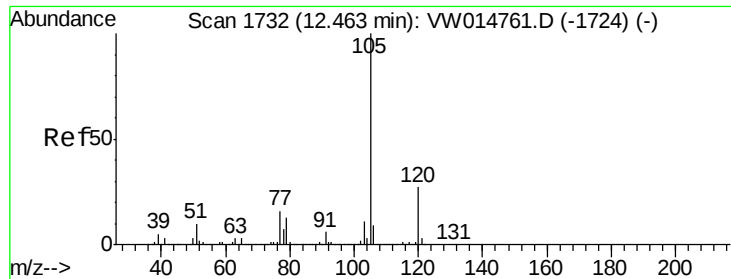
78 46.6 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.605 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014767.D

Acq: 27 Jan 2020 14:47

Instrument :

MSVOA_W

ClientSampleId :

VICV02

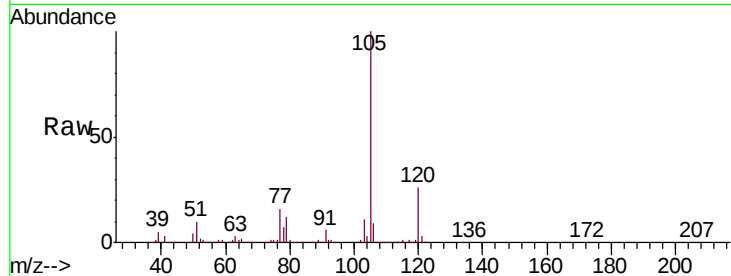
Tgt Ion:105 Resp: 1702880

Ion Ratio Lower Upper

105 100

120 26.1 21.1 31.7

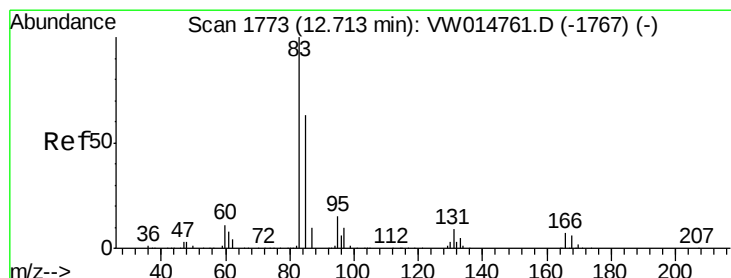
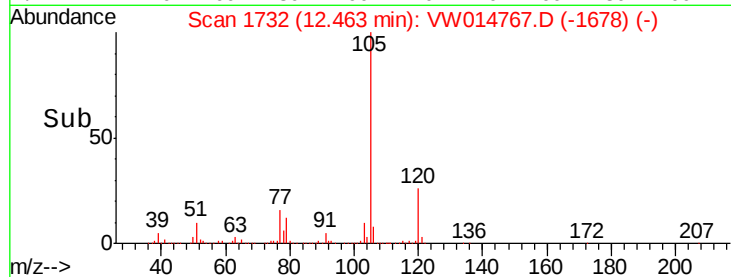
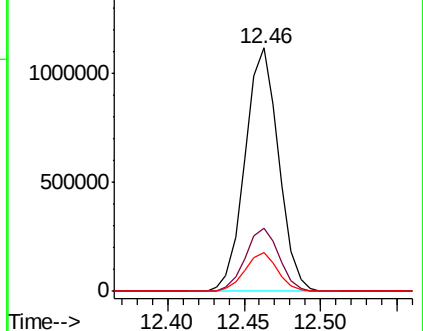
77 15.7 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.949 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014767.D

Acq: 27 Jan 2020 14:47

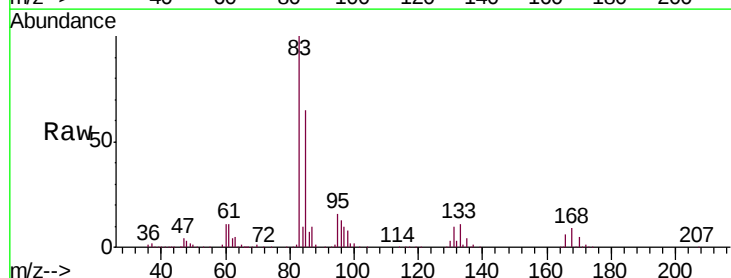
Tgt Ion: 83 Resp: 337554

Ion Ratio Lower Upper

83 100

85 64.7 45.0 83.6

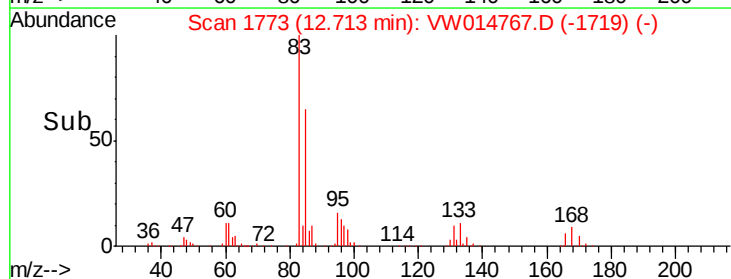
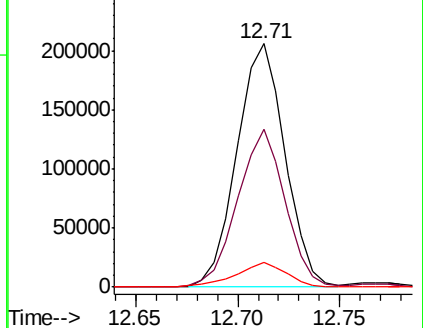
131 10.2 7.6 11.4

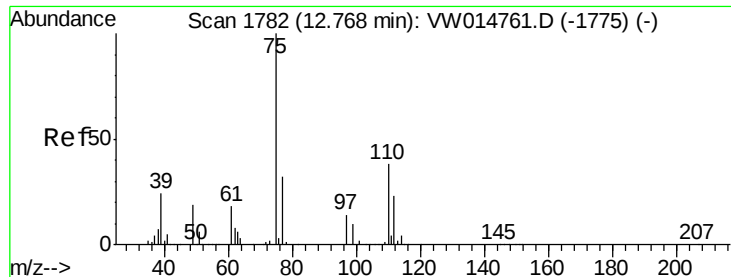


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.963 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014767.D

Acq: 27 Jan 2020 14:47

Instrument :

MSVOA_W

ClientSampled :

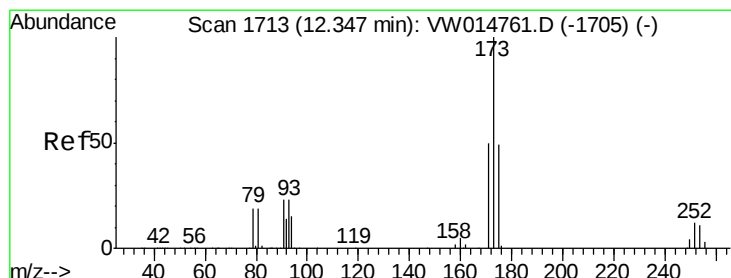
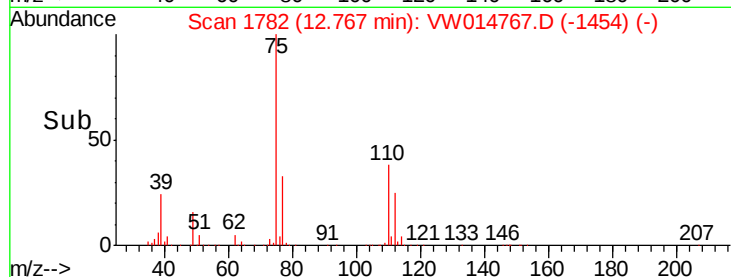
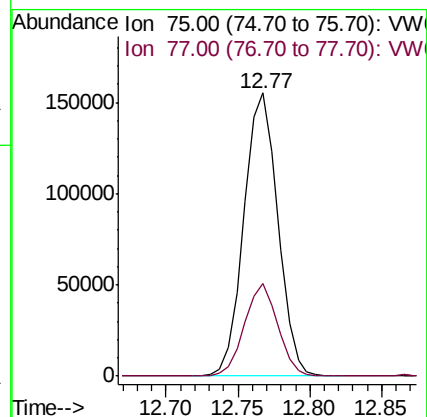
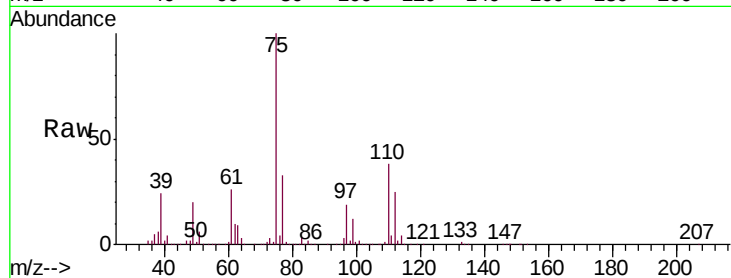
VICV02

Tgt Ion: 75 Resp: 253706

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8



#62

Bromoform

Concen: 24.455 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014767.D

Acq: 27 Jan 2020 14:47

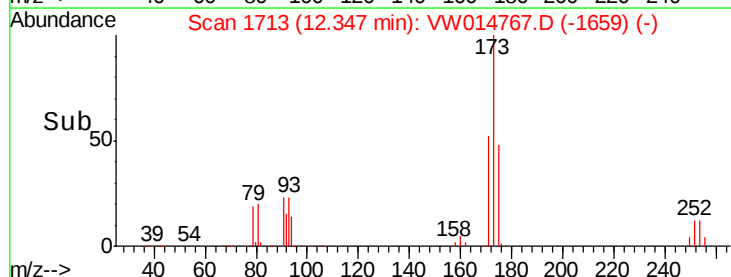
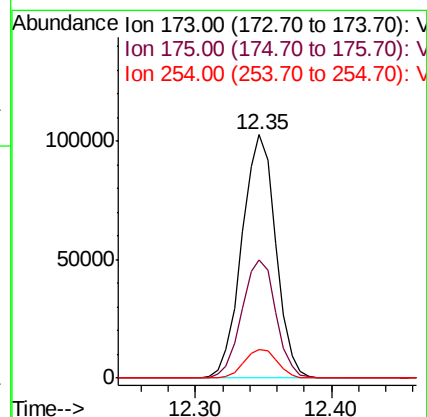
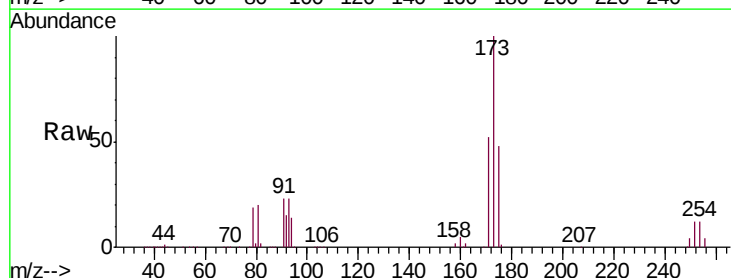
Tgt Ion: 173 Resp: 178233

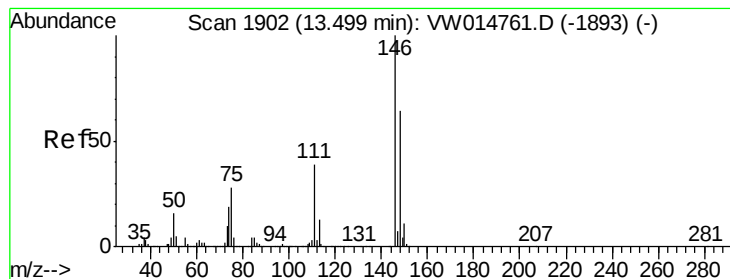
Ion Ratio Lower Upper

173 100

175 49.0 39.8 59.8

254 11.8 8.9 13.3

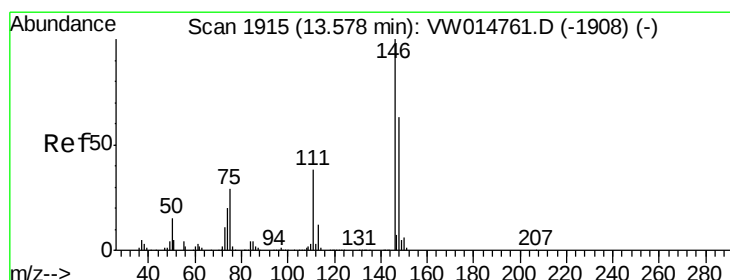
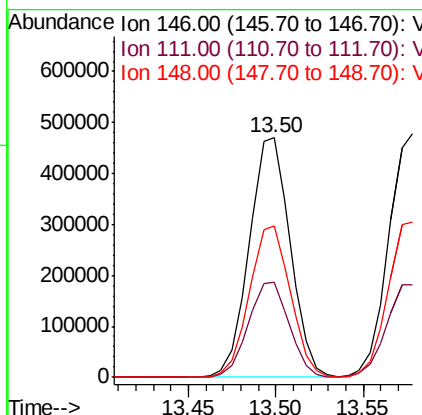
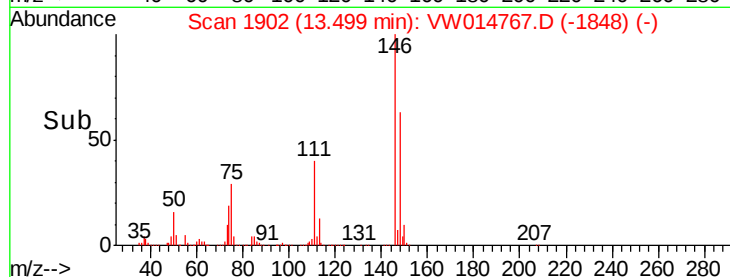
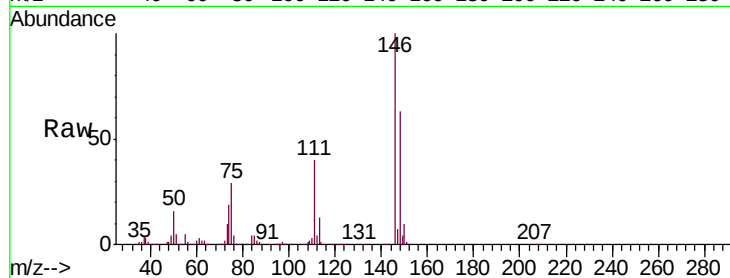




#63
 1,3-Dichlorobenzene
 Concen: 25.602 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014767.D
 Acq: 27 Jan 2020 14:47

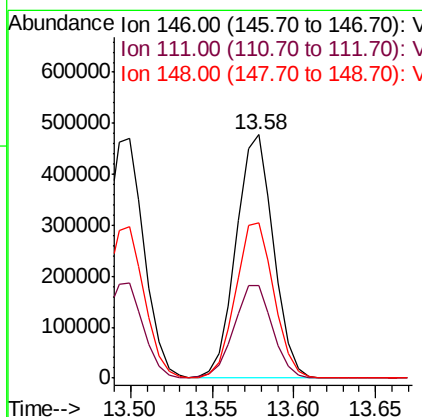
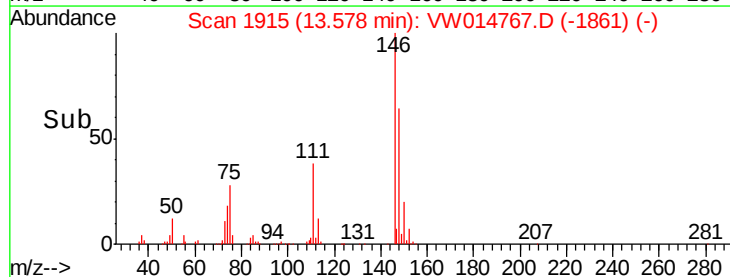
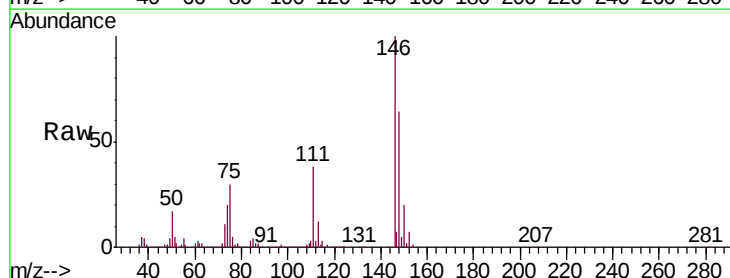
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV02

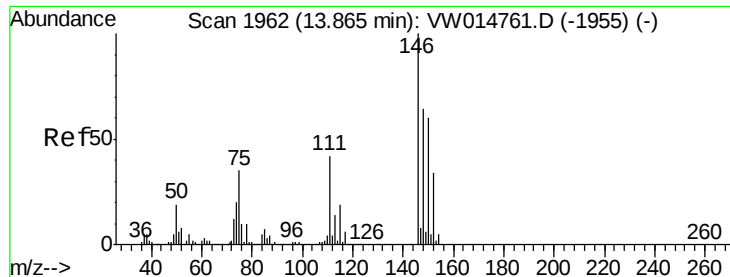
Tgt Ion:146 Resp: 767433
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.1 50.3
 148 63.1 44.5 82.7



#64
 1,4-Dichlorobenzene
 Concen: 25.332 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014767.D
 Acq: 27 Jan 2020 14:47

Tgt Ion:146 Resp: 761011
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.4 49.0
 148 63.8 43.9 81.5

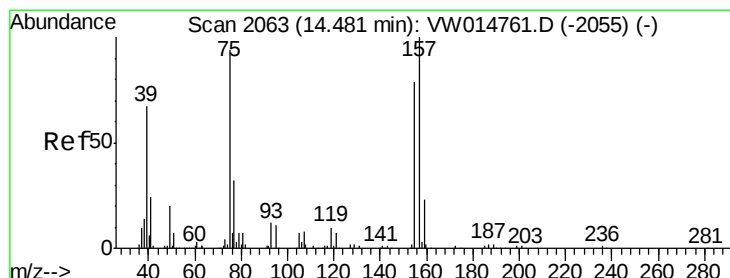
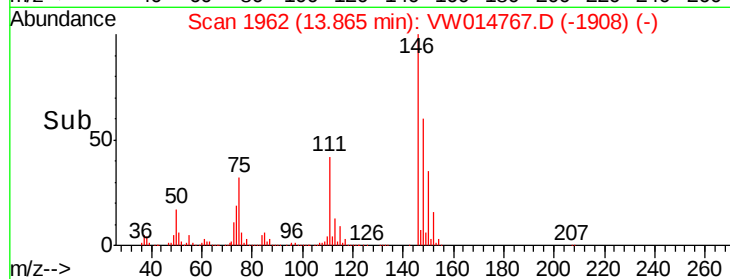
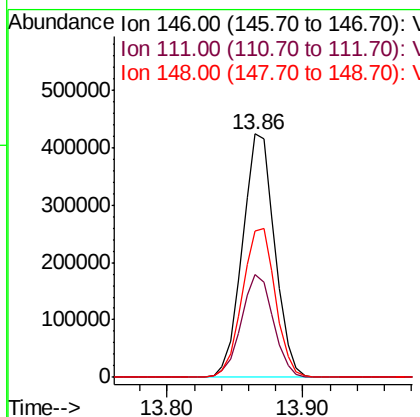
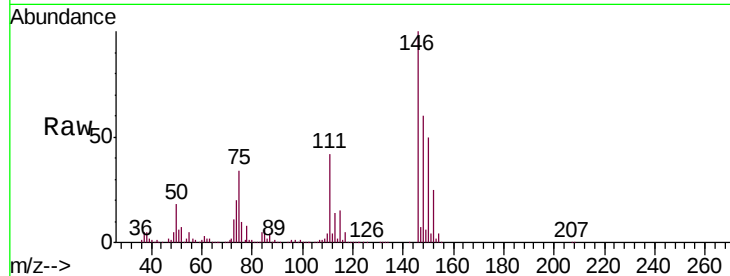




#65
 1,2-Dichlorobenzene
 Concen: 25.684 ug/L
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW014767.D
 Acq: 27 Jan 2020 14:47

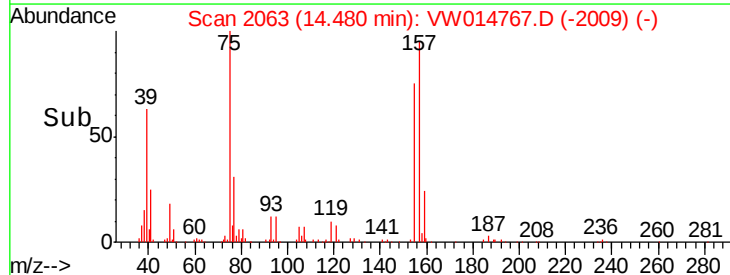
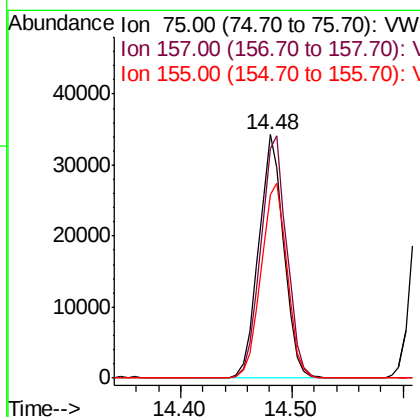
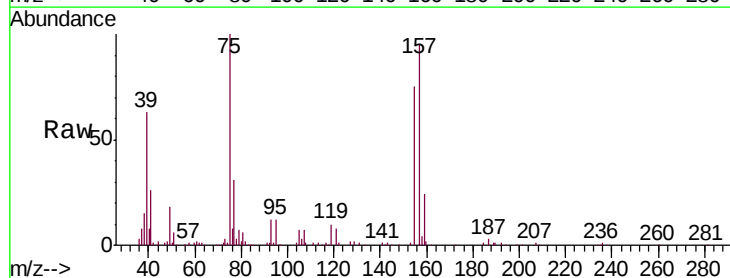
Instrument :
 MSVOA_W
 ClientSampled :
 VICV02

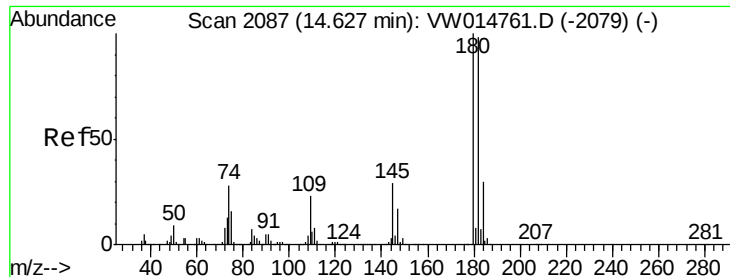
Tgt Ion: 146 Resp: 700253
 Ion Ratio Lower Upper
 146 100
 111 42.4 33.4 50.2
 148 59.9 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.174 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014767.D
 Acq: 27 Jan 2020 14:47

Tgt Ion: 75 Resp: 54058
 Ion Ratio Lower Upper
 75 100
 157 94.5 84.9 127.3
 155 75.2 67.1 100.7

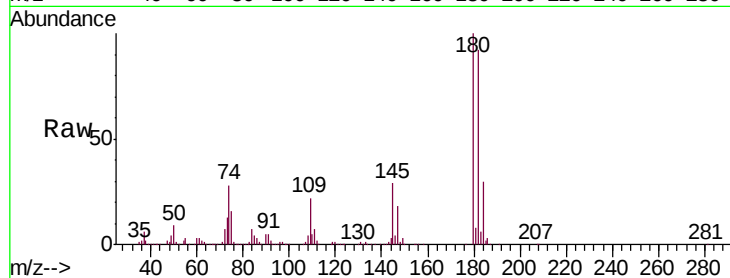




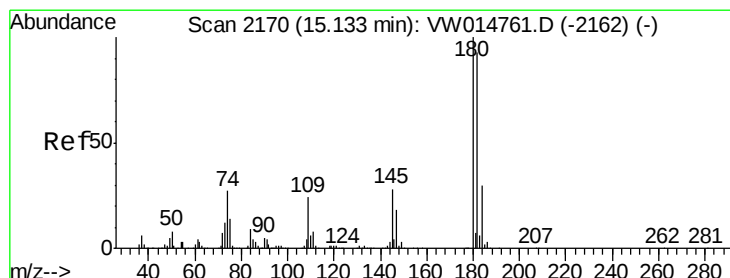
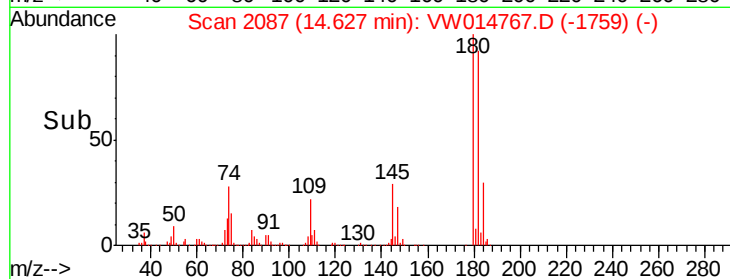
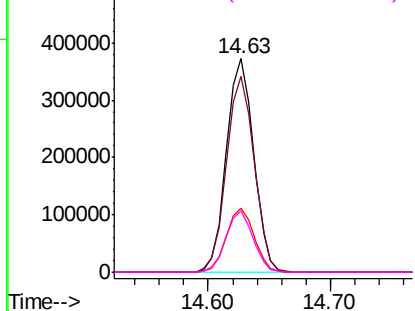
#67
 1,3,5-Trichlorobenzene
 Concen: 25.841 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014767.D
 Acq: 27 Jan 2020 14:47

Instrument :
 MSVOA_W
 ClientSampled :
 VICV02

Tgt Ion:180 Resp: 573720
 Ion Ratio Lower Upper
 180 100
 182 93.1 76.2 114.4
 184 30.3 24.2 36.4
 145 28.5 22.8 34.2

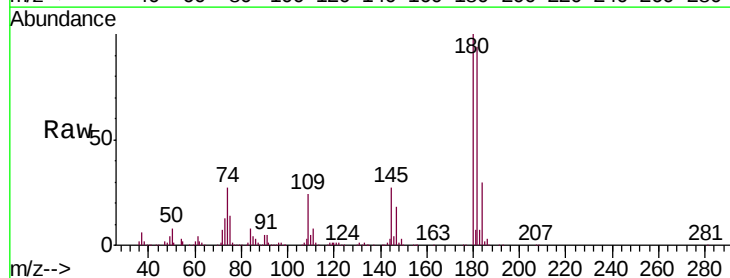


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

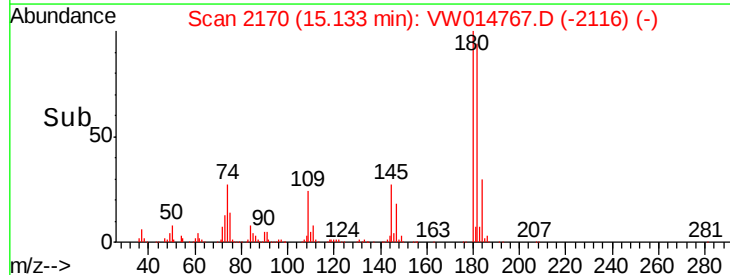
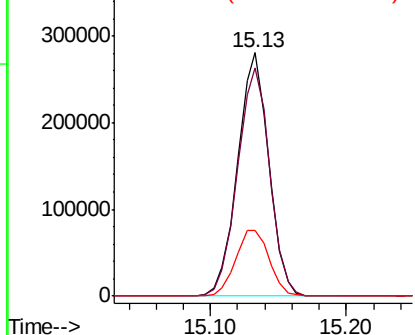


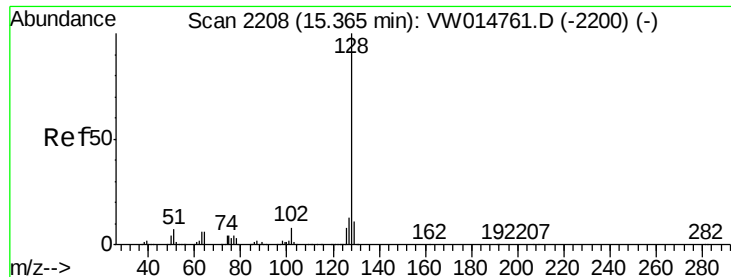
#68
 1,2,4-trichlorobenzene
 Concen: 27.262 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014767.D
 Acq: 27 Jan 2020 14:47

Tgt Ion:180 Resp: 449184
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.2 115.8
 145 29.2 23.3 34.9



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





#69

Naphthalene

Concen: 28.823 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014767.D

Acq: 27 Jan 2020 14:47

Instrument :

MSVOA_W

ClientSampleId :

VICV02

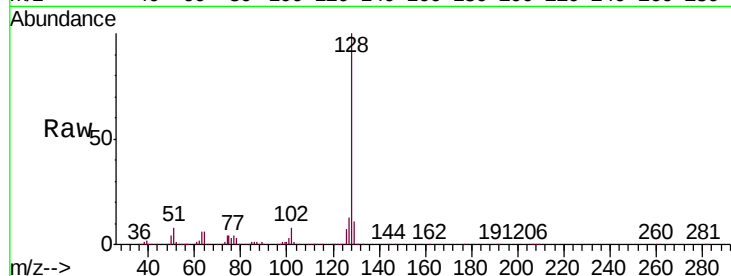
Tgt Ion:128 Resp: 858910

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

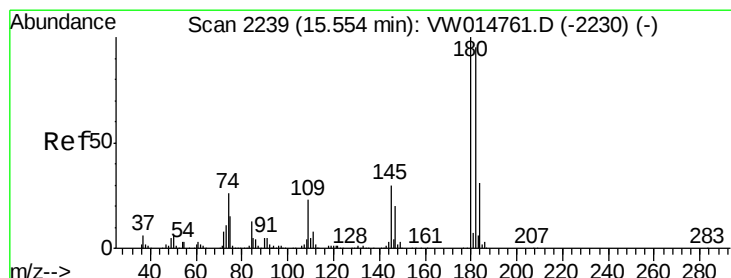
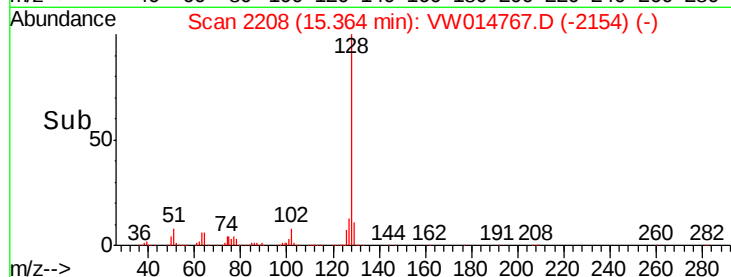
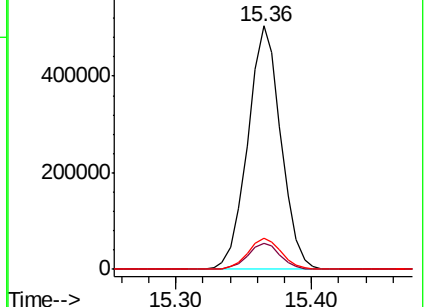
127 13.1 10.5 15.7



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: 27.576 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014767.D

Acq: 27 Jan 2020 14:47

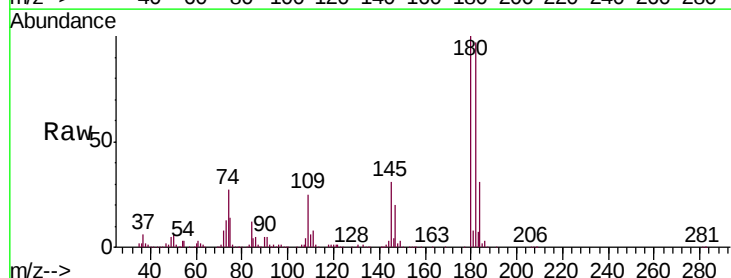
Tgt Ion:180 Resp: 416574

Ion Ratio Lower Upper

180 100

182 94.9 75.8 113.6

145 30.8 24.3 36.5



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

