

Data File : VW014830.D
Acq On : 03 Feb 2020 12:42
Operator : SY/VA
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VICV04

Quant Time: Feb 04 06:50:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 04 03:25:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	648361	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	595907	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	280252	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	261119	25.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.84%
7) Chloroethane-d5	2.89	69	212611	21.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.60%
10) 1,1-Dichloroethene-d2	4.01	63	484631	22.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.88%
20) 2-Butanone-d5	7.07	46	146840	38.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.94%
24) Chloroform-d	7.65	84	447250	21.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.68%
26) 1,2-Dichloroethane-d4	8.31	65	246555	21.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.00%
29) Benzene-d6	8.27	84	912547	21.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.88%
33) 1,2-Dichloropropane-d6	9.27	67	294002	21.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.40%
37) Toluene-d8	10.32	98	805260	21.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.84%
38) trans-1,3-Dichloropropene-	10.57	79	118397	21.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.88%
39) 2-Hexanone-d5	10.92	63	108564	40.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.56%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	222365	20.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	246586	21.00	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	171392	20.991	ug/L 98
3) Chloromethane	2.21	50	246547	22.028	ug/L 99
5) Vinyl chloride	2.36	62	301277	26.778	ug/L 97
6) Bromomethane	2.78	94	156780	23.812	ug/L 99
8) Chloroethane	2.92	64	170458	23.335	ug/L 99
9) Trichlorofluoromethane	3.26	101	188940	28.845	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	228231	22.733	ug/L 99
12) 1,1-Dichloroethene	4.03	96	206827	21.843	ug/L 93
13) Acetone	4.12	43	151867	36.793	ug/L 98
14) Carbon disulfide	4.38	76	686337	23.882	ug/L 98
15) Methyl Acetate	4.67	43	131507	21.288	ug/L 100
16) Methylene chloride	4.91	84	257740	21.528	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	325051	27.050	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	221461	22.791	ug/L 97
19) 1,1-Dichloroethane	6.21	63	459102	23.268	ug/L 96
21) 2-Butanone	7.16	43	179459	40.515	ug/L 100
22) cis-1,2-Dichloroethene	7.16	96	235711	23.469	ug/L 97

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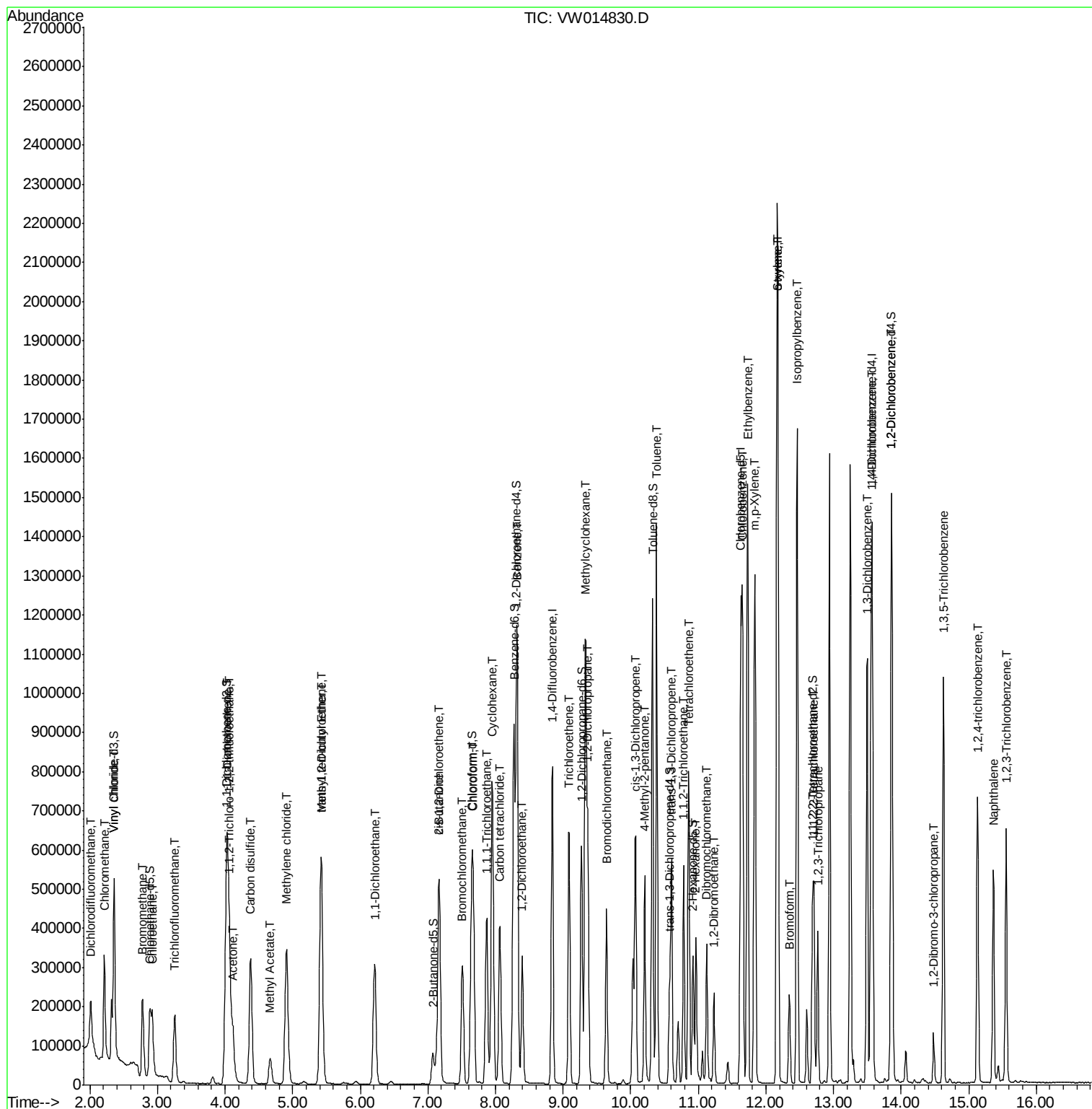
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	98875	23.022	ug/L	94
25) Chloroform	7.67	83	424501	23.566	ug/L	99
27) 1,2-Dichloroethane	8.40	62	292060	23.207	ug/L	99
30) Cyclohexane	7.95	56	424104	23.548	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	338574	24.211	ug/L	99
32) Carbon tetrachloride	8.07	117	299777	23.598	ug/L	99
34) Benzene	8.32	78	979184	23.466	ug/L	100
35) Trichloroethene	9.09	95	233272	22.636	ug/L	99
36) Methylcyclohexane	9.33	83	424431	23.515	ug/L	98
40) 1,2-Dichloropropane	9.37	63	262677	23.341	ug/L	100
41) Bromodichloromethane	9.64	83	298733	23.166	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	369420	23.583	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	361844	43.789	ug/L	99
44) Toluene	10.38	91	1003319	24.033	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	302204	23.444	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	169242	22.726	ug/L	98
47) Tetrachloroethene	10.86	164	176044	22.899	ug/L	97
49) 2-Hexanone	10.96	43	259429	45.501	ug/L	99
50) Dibromochloromethane	11.13	129	184130	22.999	ug/L	99
51) 1,2-Dibromoethane	11.23	107	157034	22.427	ug/L	95
52) Chlorobenzene	11.65	112	587974	23.086	ug/L	96
53) Ethylbenzene	11.73	91	1069275	23.638	ug/L	99
54) m,p-Xylene	11.83	106	404176	24.417	ug/L	98
55) o-xylene	12.16	106	372532	24.157	ug/L	99
56) Styrene	12.18	104	646219	24.608	ug/L	100
57) Isopropylbenzene	12.46	105	1019093	24.437	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	217133	22.211	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	166185	22.205	ug/L	99
62) Bromoform	12.35	173	101128	21.830	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	428289	22.785	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	431650	22.782	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	393893	23.017	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	34065	20.394	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	298668	22.425	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	231798	22.277	ug/L	99
69) Naphthalene	15.36	128	438705	20.780	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	212521	22.101	ug/L	99

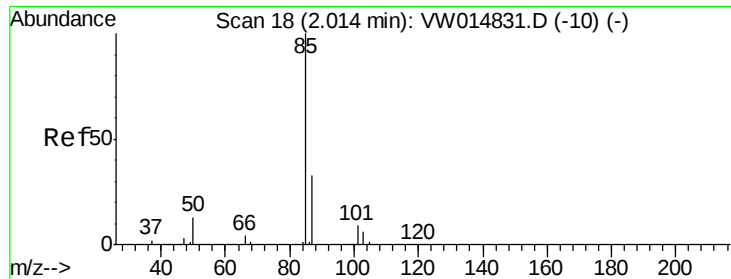
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.991 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

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Acq: 03 Feb 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

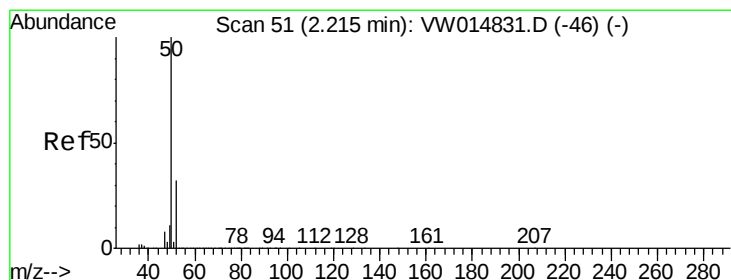
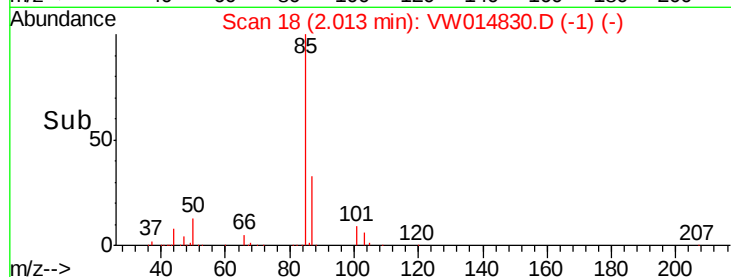
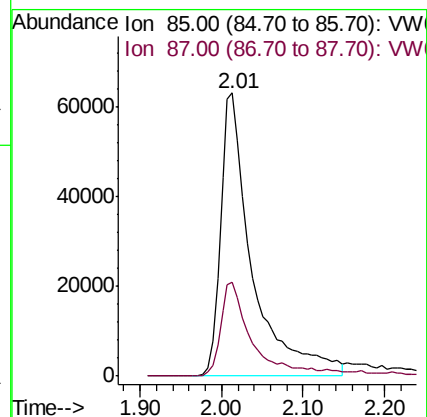
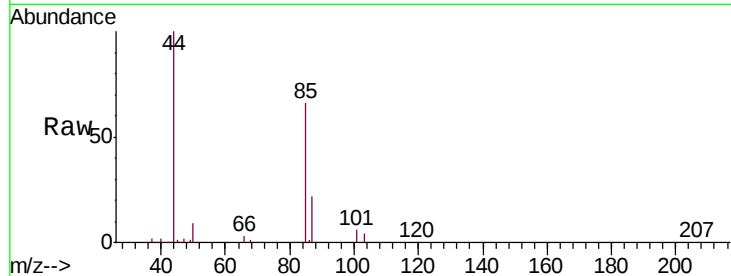
VICV04

Tgt Ion: 85 Resp: 171392

Ion Ratio Lower Upper

85 100

87 31.2 21.2 39.4



#3

Chloromethane

Concen: 22.028 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014830.D

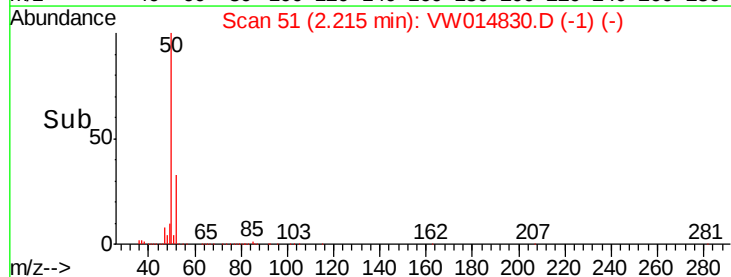
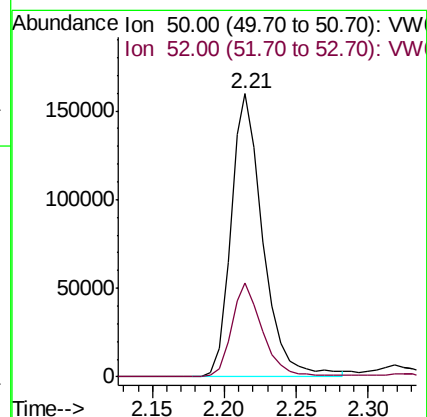
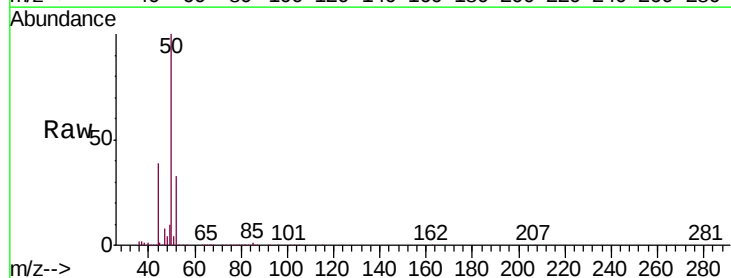
Acq: 03 Feb 2020 12:42

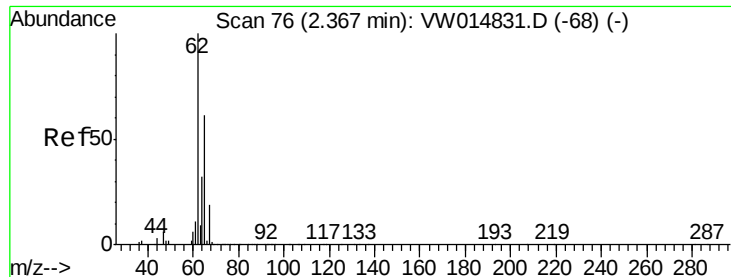
Tgt Ion: 50 Resp: 246547

Ion Ratio Lower Upper

50 100

52 33.0 22.6 42.0





#5

Vinyl chloride

Concen: 26.778 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014830.D

Acq: 03 Feb 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

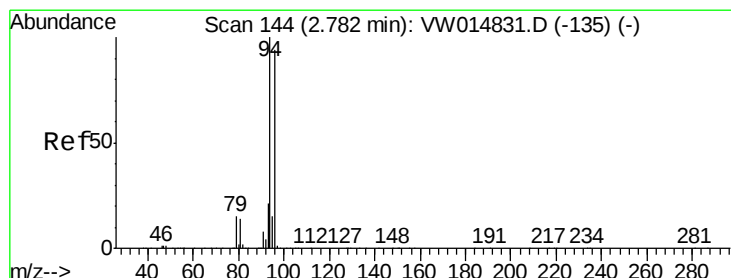
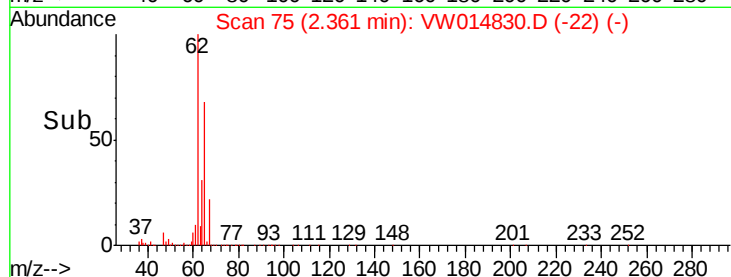
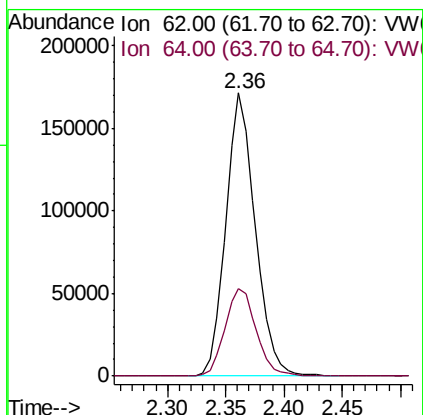
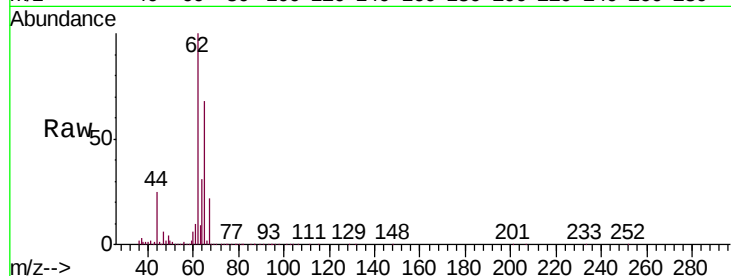
VICV04

Tgt Ion: 62 Resp: 301277

Ion Ratio Lower Upper

62 100

64 31.1 23.2 43.0



#6

Bromomethane

Concen: 23.812 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014830.D

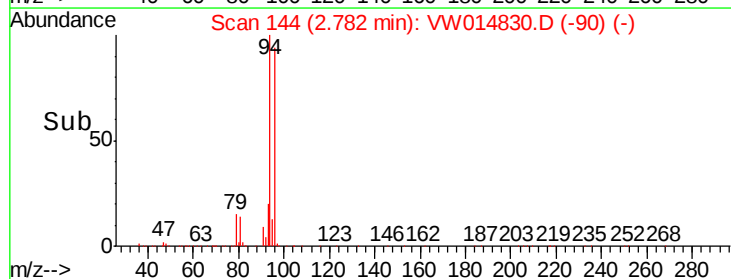
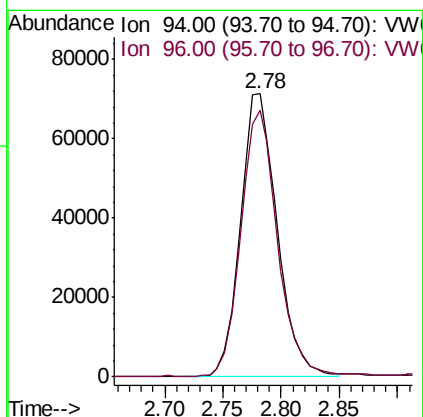
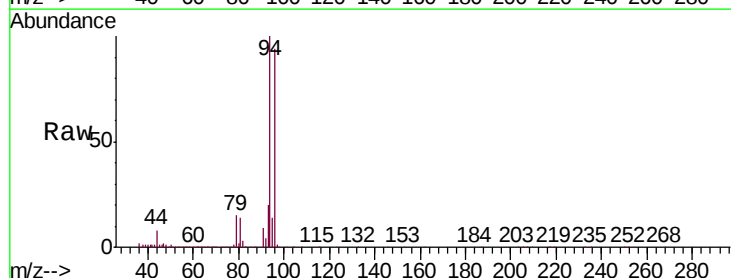
Acq: 03 Feb 2020 12:42

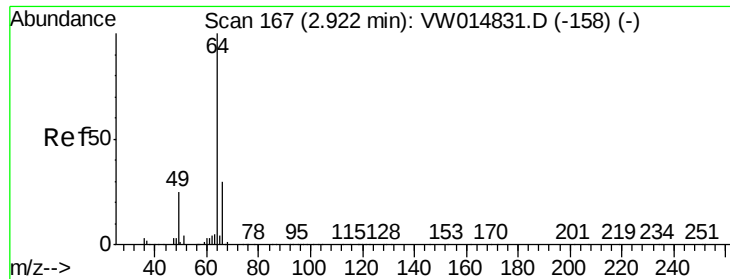
Tgt Ion: 94 Resp: 156780

Ion Ratio Lower Upper

94 100

96 93.9 9.5 179.9





#8

Chloroethane

Concen: 23.335 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW014830.D

Acq: 03 Feb 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

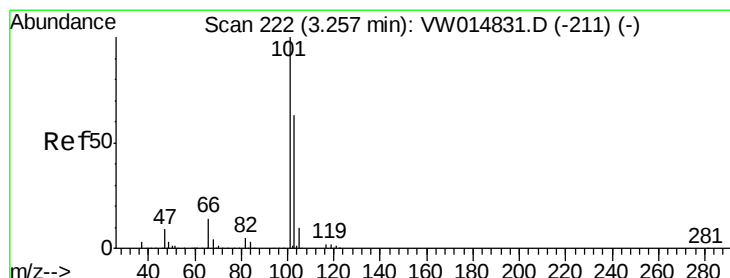
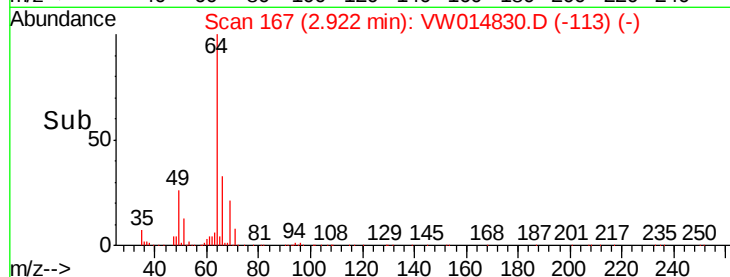
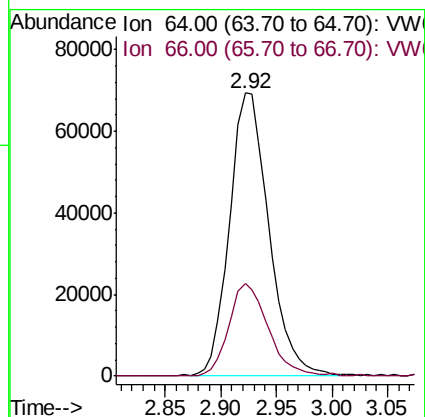
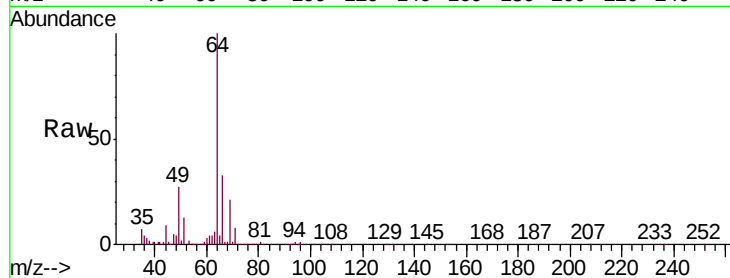
VICV04

Tgt Ion: 64 Resp: 170458

Ion Ratio Lower Upper

64 100

66 32.6 22.5 41.7



#9

Trichlorofluoromethane

Concen: 28.845 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW014830.D

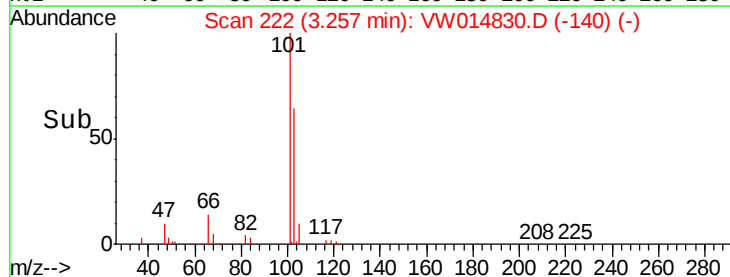
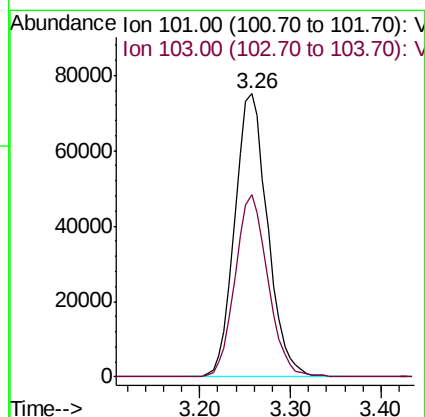
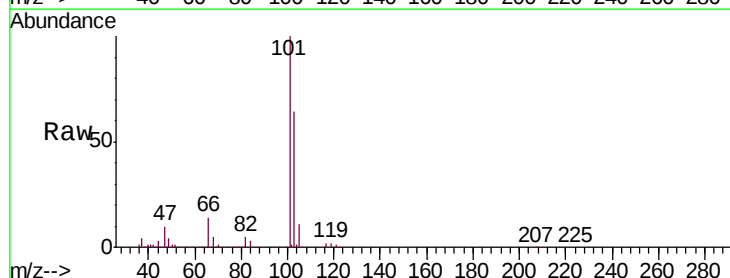
Acq: 03 Feb 2020 12:42

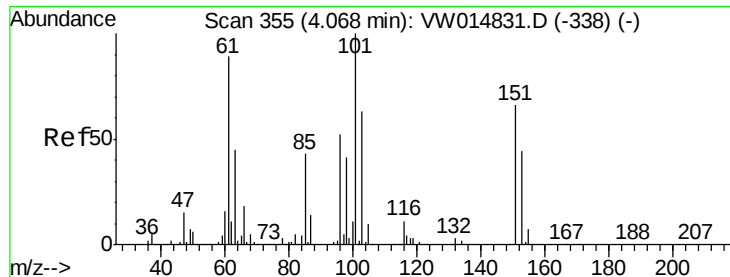
Tgt Ion: 101 Resp: 188940

Ion Ratio Lower Upper

101 100

103 64.0 45.4 84.4





#11

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

Concen: 22.733 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

VICV04

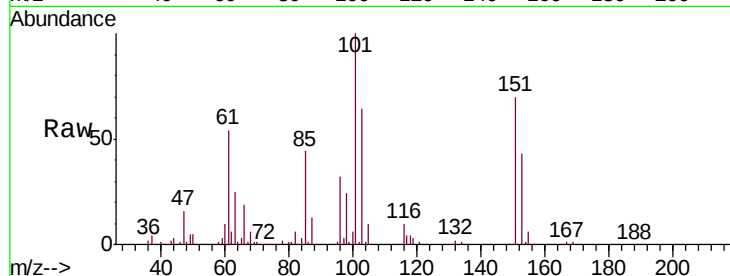
Tgt Ion:101 Resp: 228231

Ion Ratio Lower Upper

101 100

85 44.4 34.9 52.3

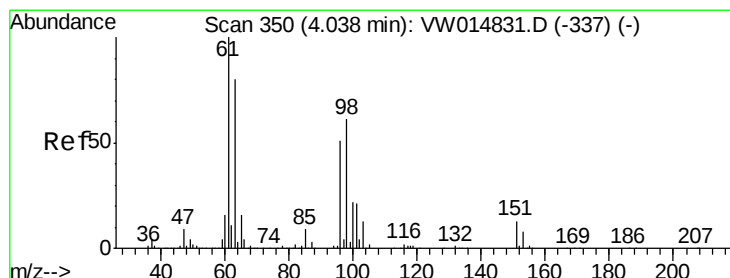
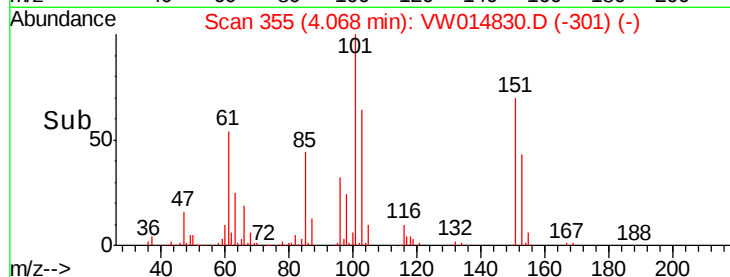
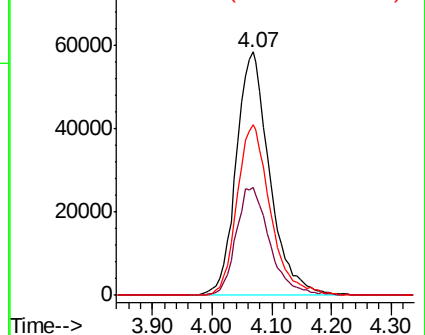
151 69.6 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 21.843 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

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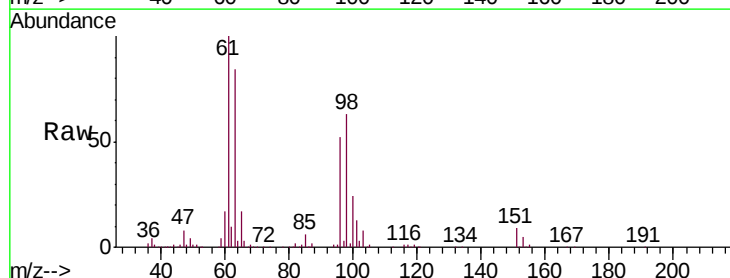
Tgt Ion: 96 Resp: 206827

Ion Ratio Lower Upper

96 100

61 190.6 131.5 244.3

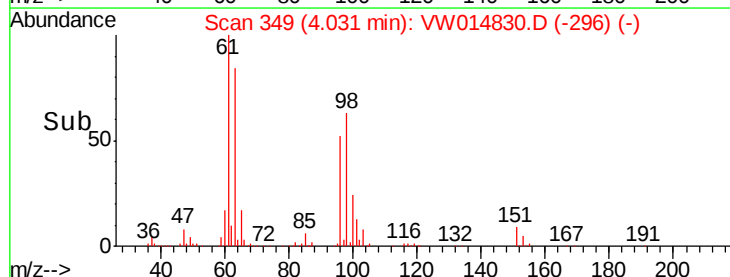
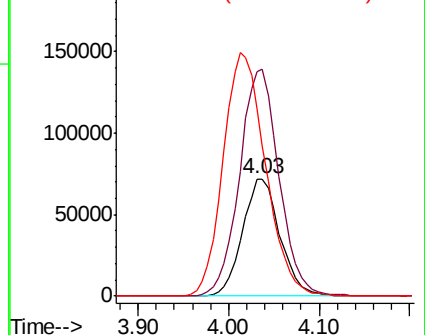
63 159.2 98.8 183.4

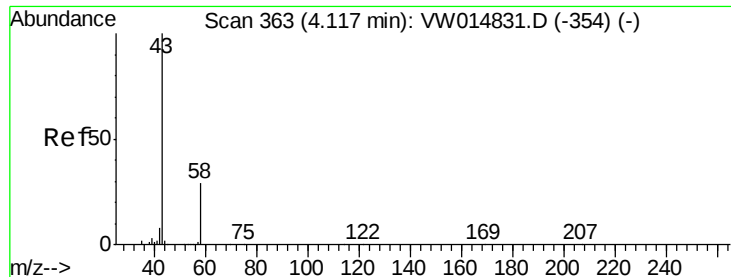


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

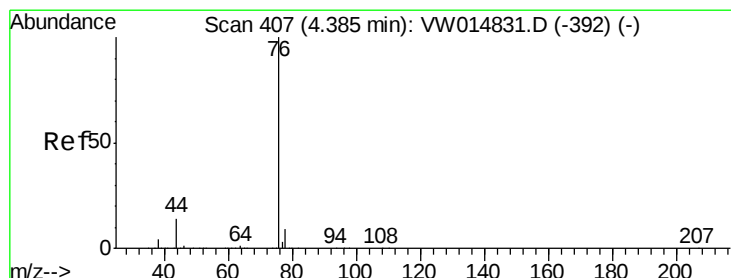
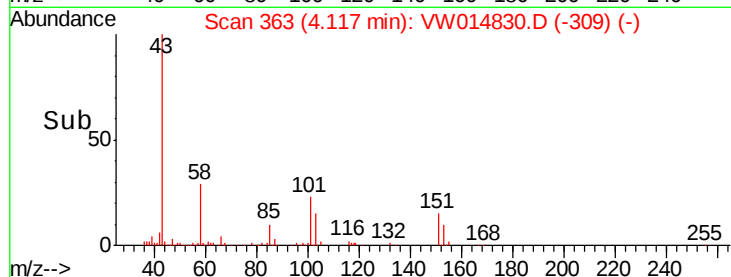
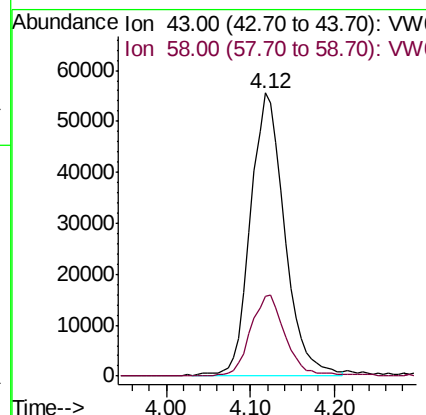
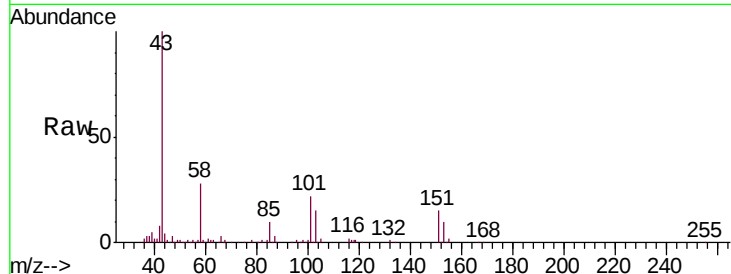




#13
Acetone
Concen: 36.793 ug/L
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW014830.D
Acq: 03 Feb 2020 12:42

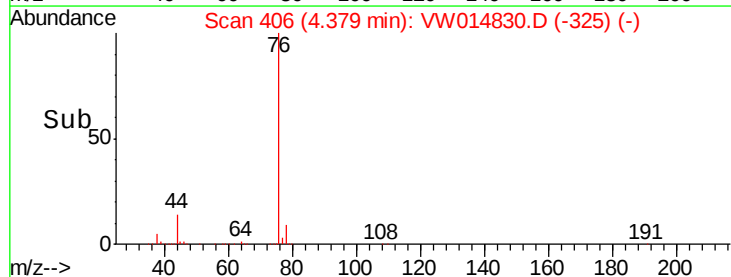
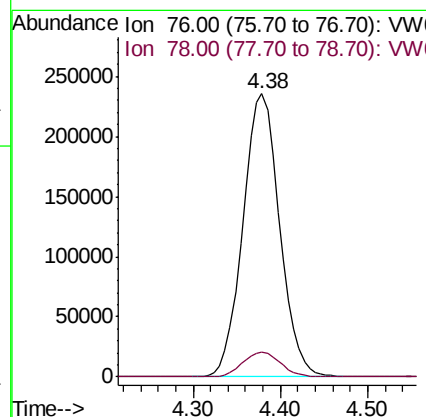
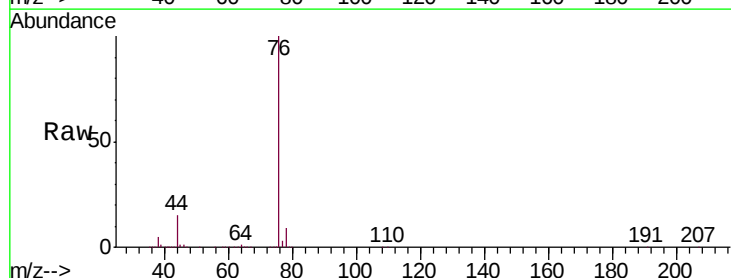
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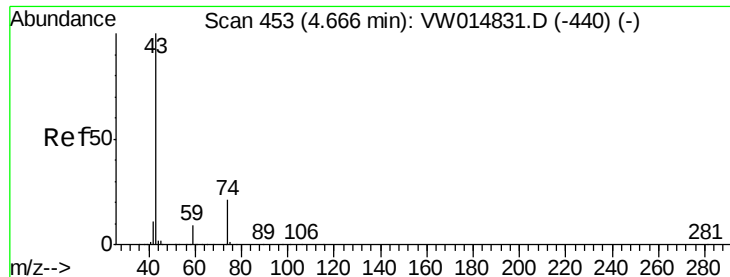
Tgt Ion: 43 Resp: 151867
Ion Ratio Lower Upper
43 100
58 29.0 0.0 60.2



#14
Carbon disulfide
Concen: 23.882 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
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Tgt Ion: 76 Resp: 686337
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3

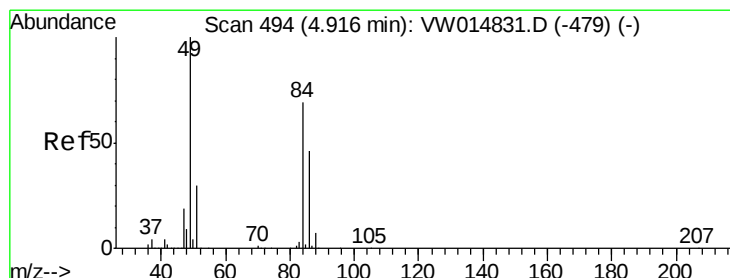
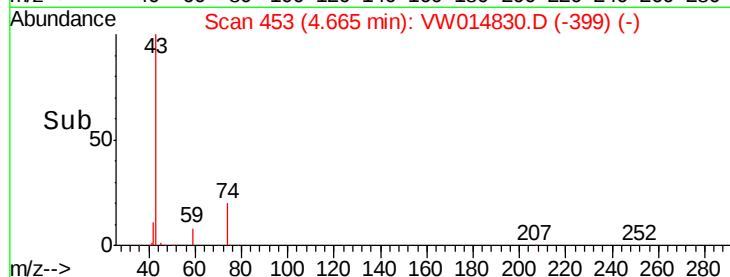
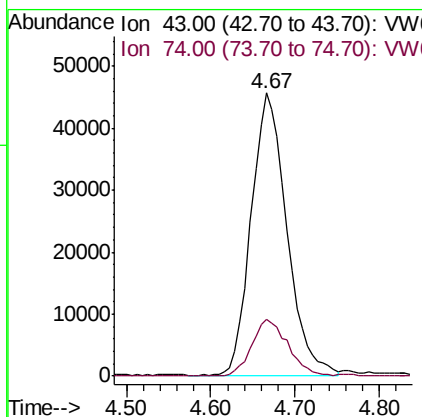
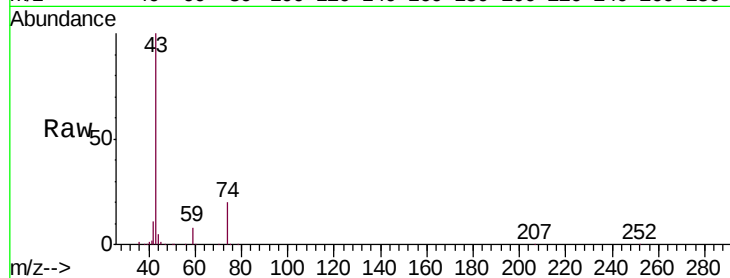




#15
Methyl Acetate
Concen: 21.288 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW014830.D
Acq: 03 Feb 2020 12:42

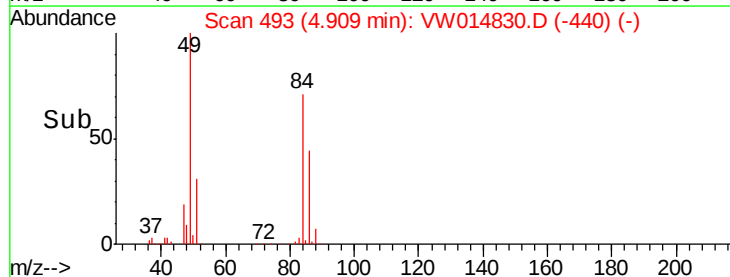
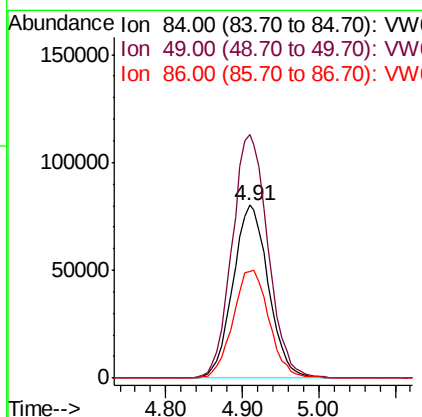
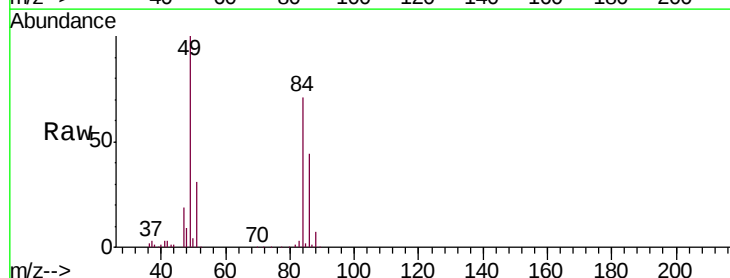
Instrument :
MSVOA_W
ClientSampled :
VICV04

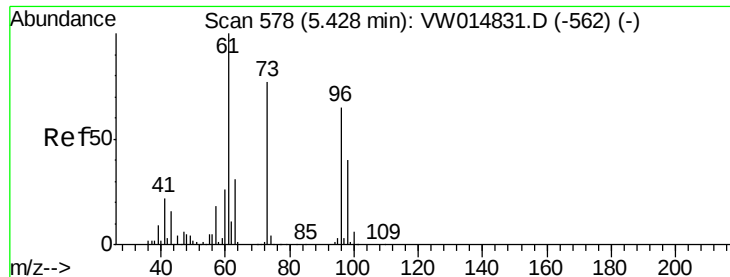
Tgt Ion: 43 Resp: 131507
Ion Ratio Lower Upper
43 100
74 20.4 16.3 24.5



#16
Methylene chloride
Concen: 21.528 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW014830.D
Acq: 03 Feb 2020 12:42

Tgt Ion: 84 Resp: 257740
Ion Ratio Lower Upper
84 100
49 141.0 96.6 179.4
86 61.6 43.8 81.4

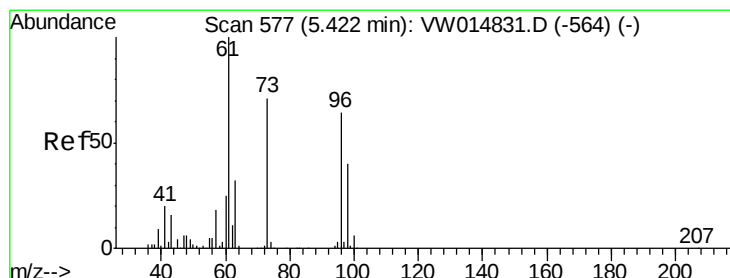
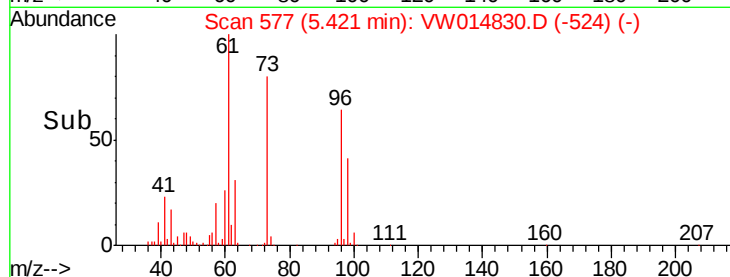
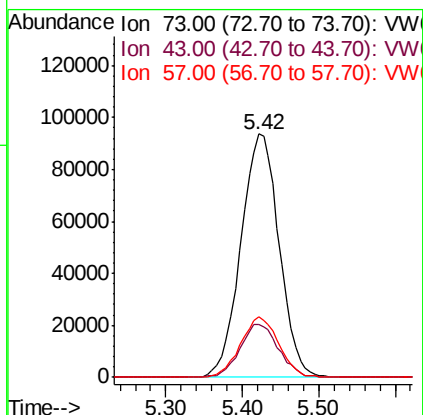
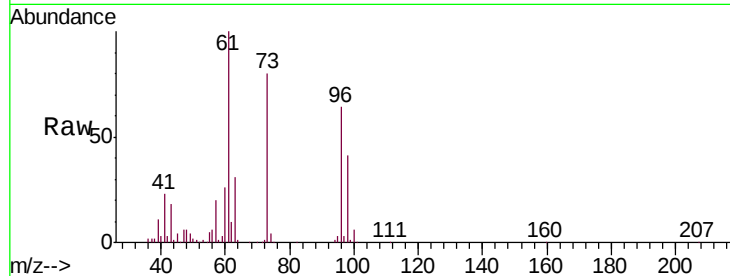




#17
Methyl tert-butyl Ether
Concen: 27.050 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW014830.D
Acq: 03 Feb 2020 12:42

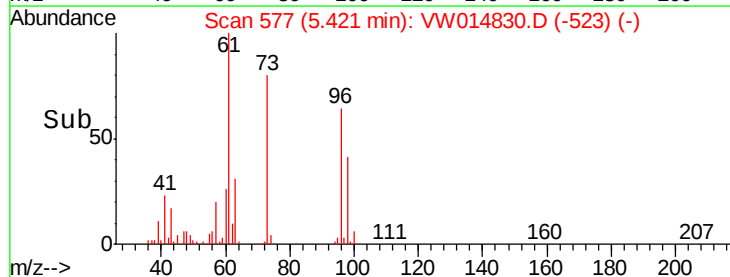
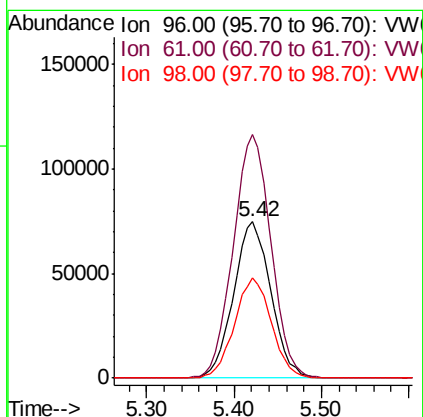
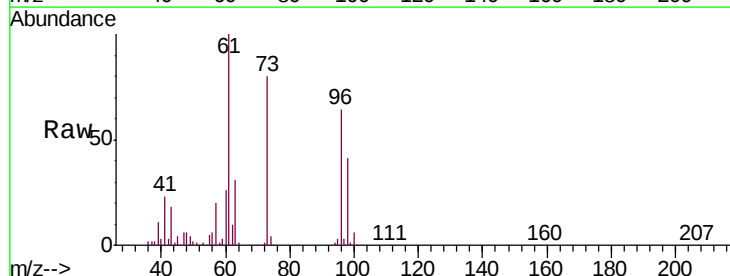
Instrument :
MSVOA_W
ClientSampled :
VICV04

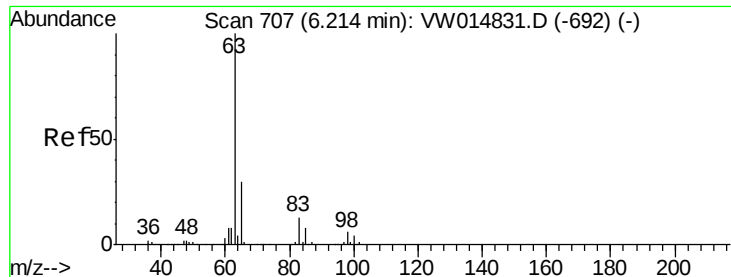
Tgt Ion: 73 Resp: 325051
Ion Ratio Lower Upper
73 100
43 22.2 17.6 26.4
57 24.8 19.8 29.6



#18
trans-1,2-Dichloroethene
Concen: 22.791 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014830.D
Acq: 03 Feb 2020 12:42

Tgt Ion: 96 Resp: 221461
Ion Ratio Lower Upper
96 100
61 156.0 106.3 197.3
98 64.0 43.5 80.9

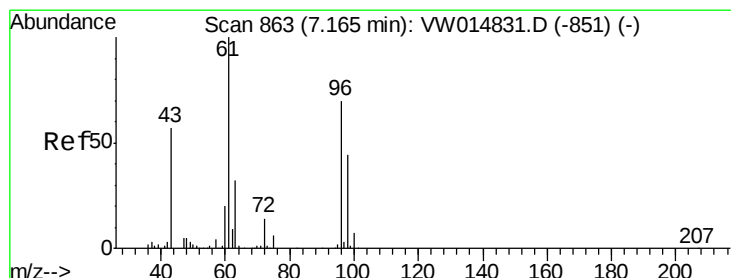
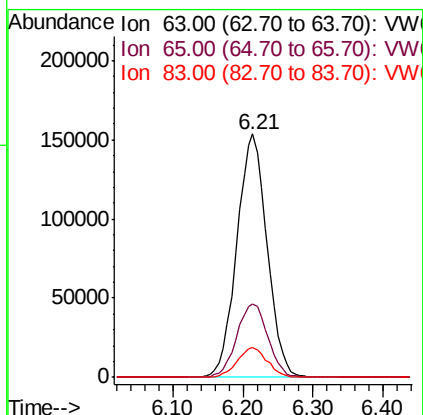
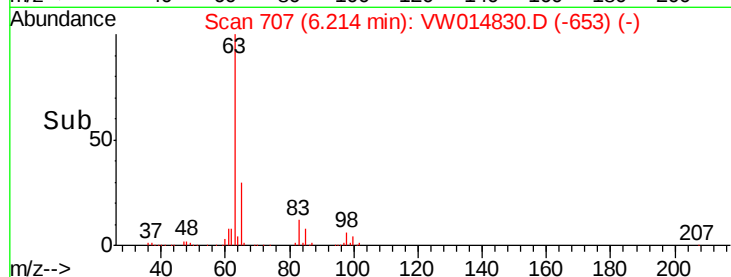
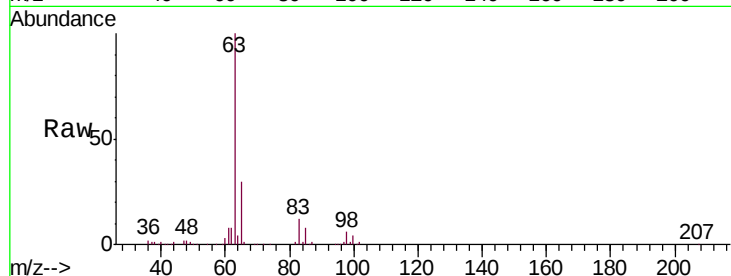




#19
 1,1-Dichloroethane
 Concen: 23.268 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW014830.D
 Acq: 03 Feb 2020 12:42

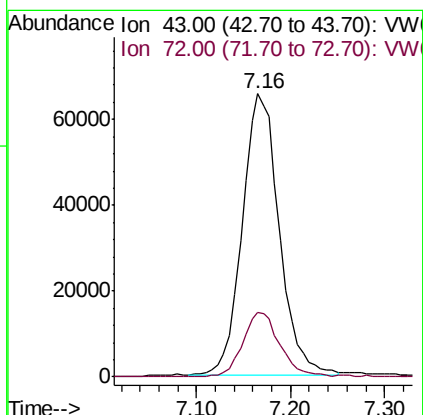
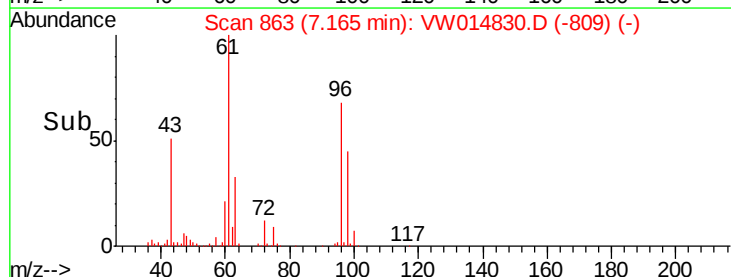
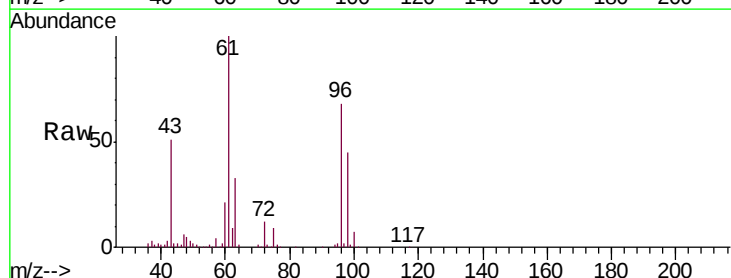
Instrument :
 MSVOA_W
 ClientSampled :
 VICV04

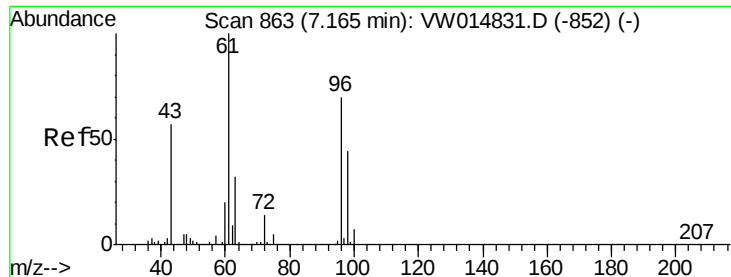
Tgt Ion: 63 Resp: 459102
 Ion Ratio Lower Upper
 63 100
 65 29.9 23.0 42.6
 83 12.4 9.0 16.6



#21
 2-Butanone
 Concen: 40.515 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014830.D
 Acq: 03 Feb 2020 12:42

Tgt Ion: 43 Resp: 179459
 Ion Ratio Lower Upper
 43 100
 72 23.1 11.7 35.0



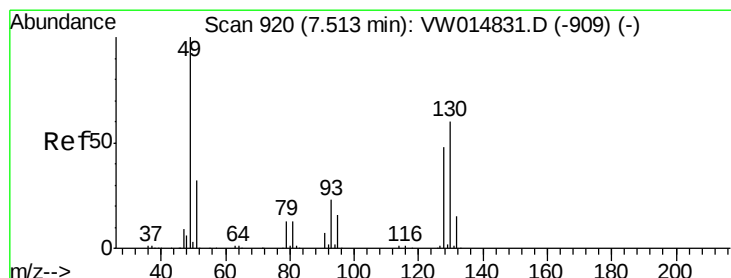
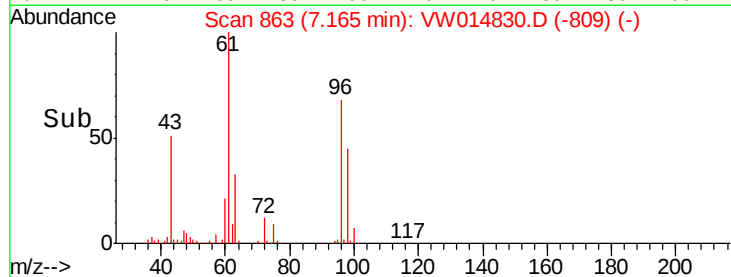
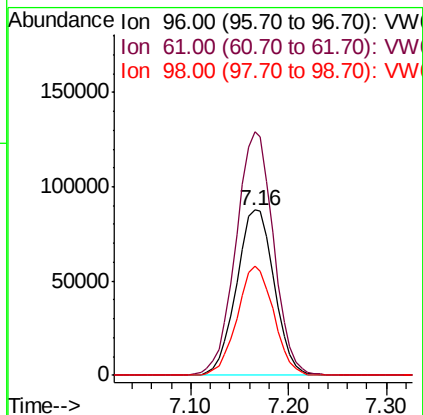
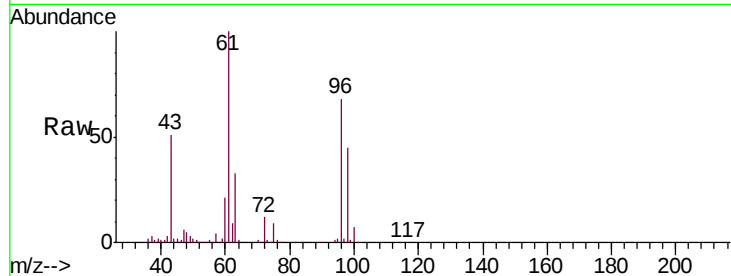


#22

cis-1,2-Dichloroethene
Concen: 23.469 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014830.D
Acq: 03 Feb 2020 12:42

Instrument :
MSVOA_W
ClientSampled :
VICV04

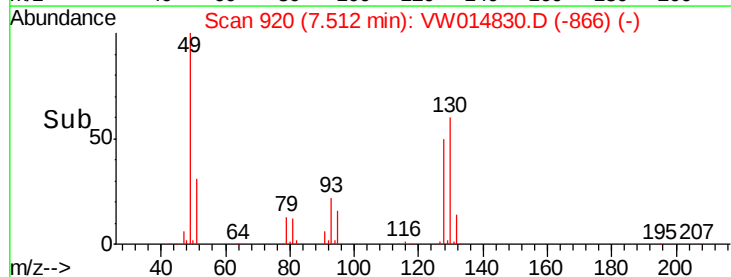
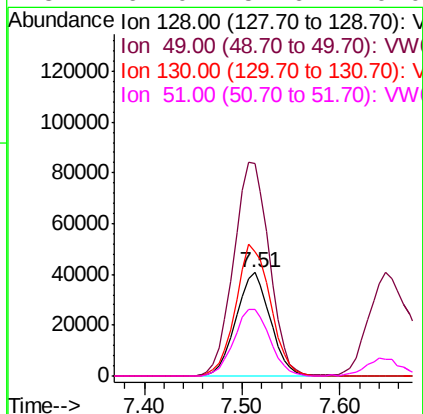
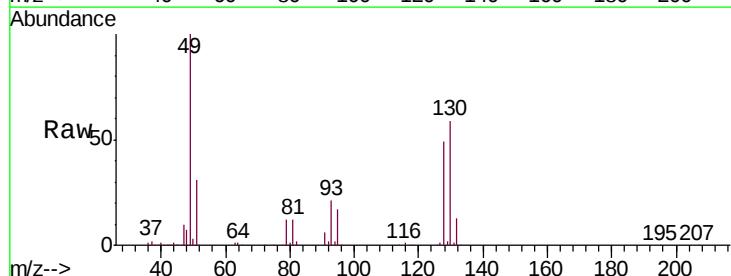
Tgt Ion: 96 Resp: 235711
Ion Ratio Lower Upper
96 100
61 147.4 100.6 186.8
98 65.8 44.0 81.8

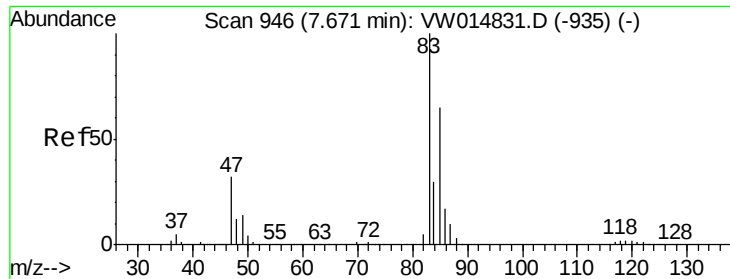


#23

Bromochloromethane
Concen: 23.022 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW014830.D
Acq: 03 Feb 2020 12:42

Tgt Ion: 128 Resp: 98875
Ion Ratio Lower Upper
128 100
49 205.8 150.7 279.9
130 120.6 90.6 168.3
51 64.0 52.6 79.0

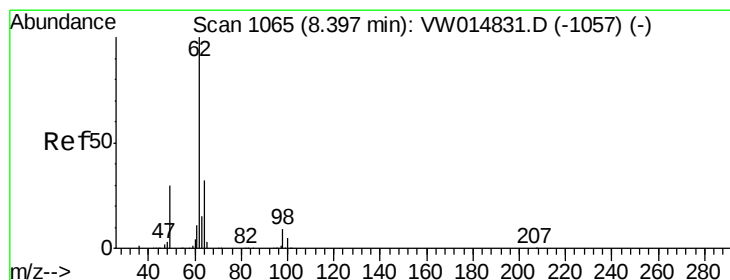
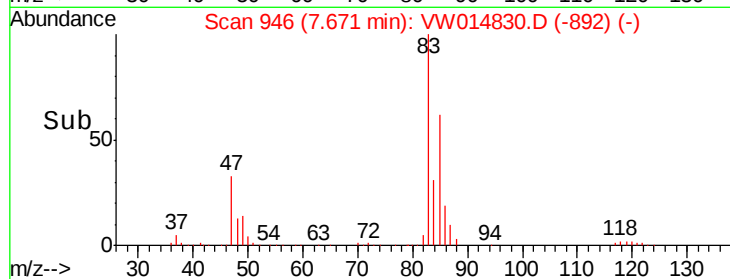
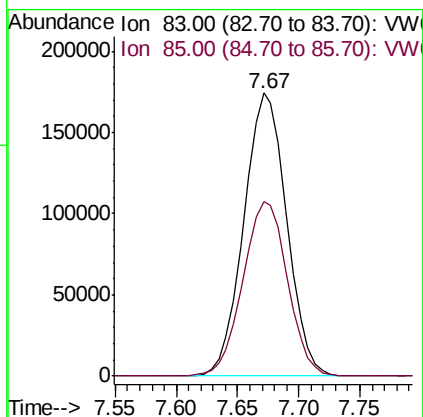
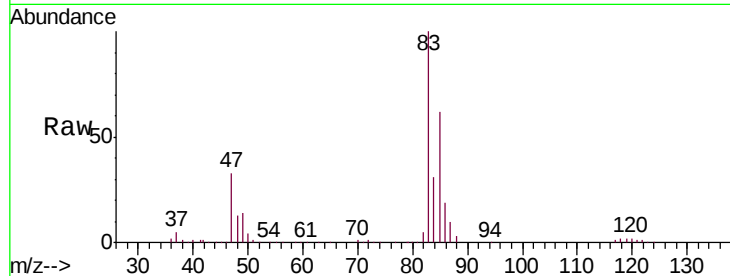




#25
Chloroform
Concen: 23.566 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014830.D
Acq: 03 Feb 2020 12:42

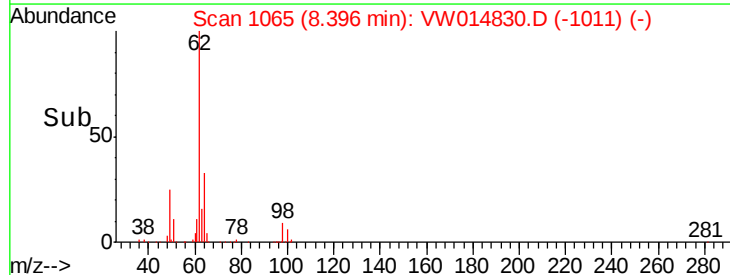
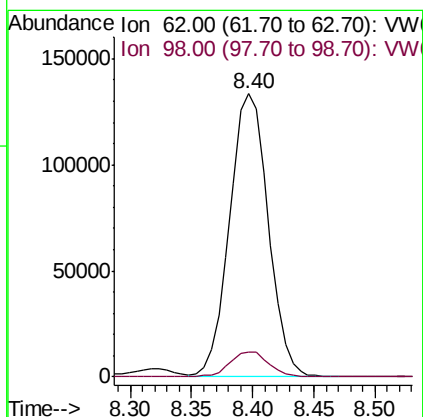
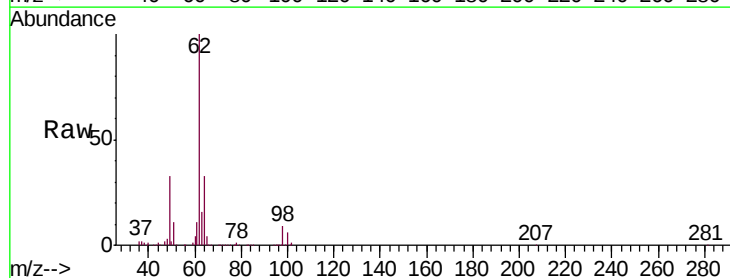
Instrument :
MSVOA_W
ClientSampleId :
VICV04

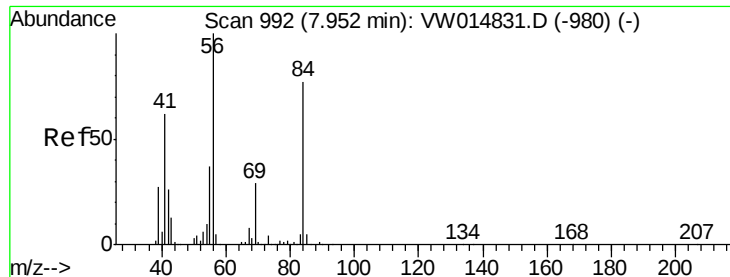
Tgt Ion: 83 Resp: 424501
Ion Ratio Lower Upper
83 100
85 64.3 45.4 84.2



#27
1,2-Dichloroethane
Concen: 23.207 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014830.D
Acq: 03 Feb 2020 12:42

Tgt Ion: 62 Resp: 292060
Ion Ratio Lower Upper
62 100
98 9.0 6.8 10.2

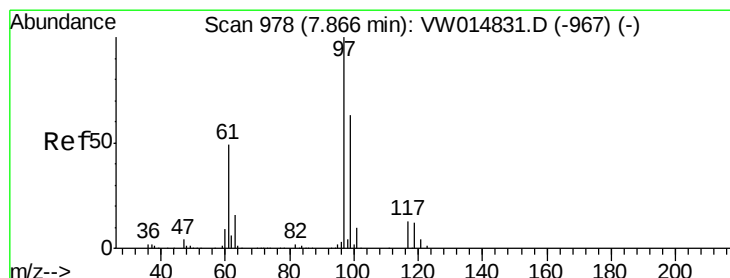
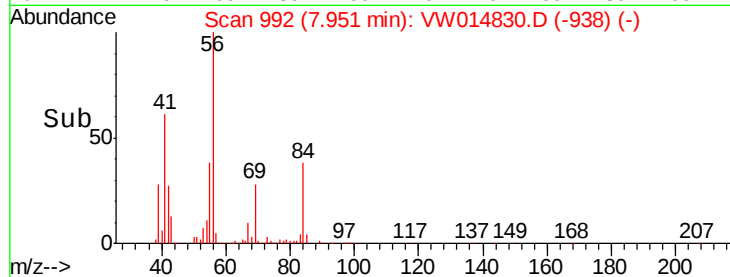
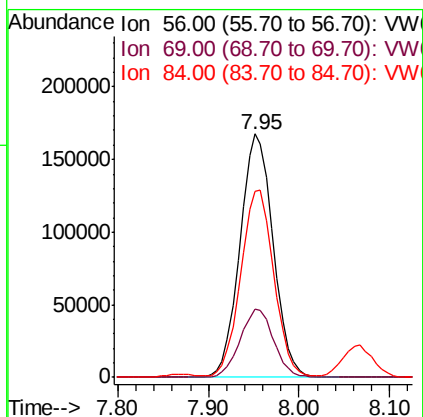
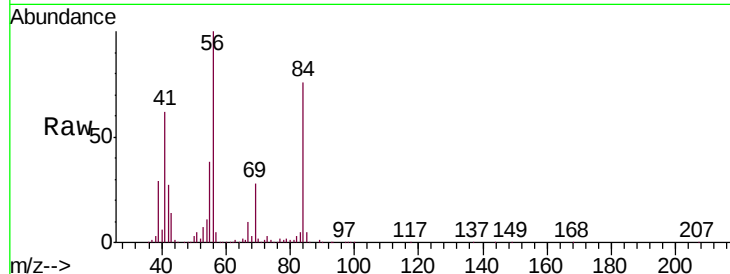




#30
Cyclohexane
Concen: 23.548 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014830.D
Acq: 03 Feb 2020 12:42

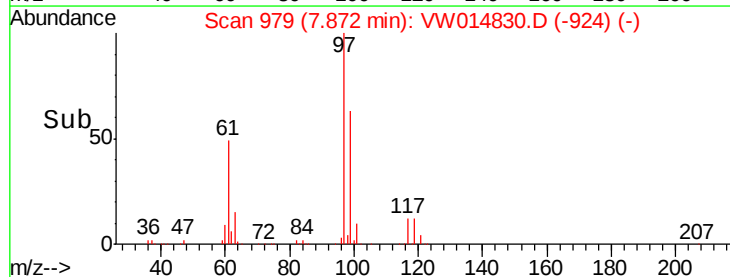
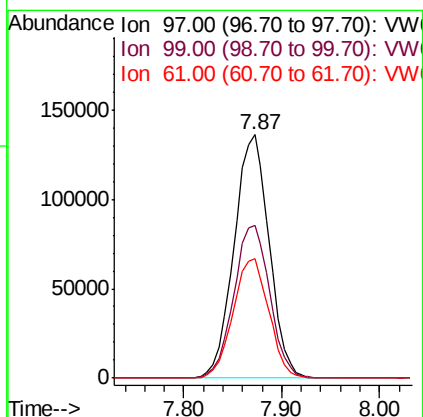
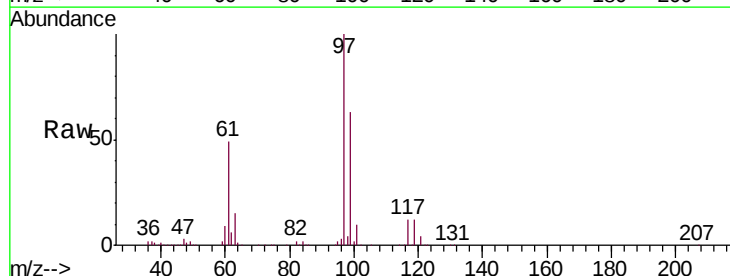
Instrument :
MSVOA_W
ClientSampled :
VICV04

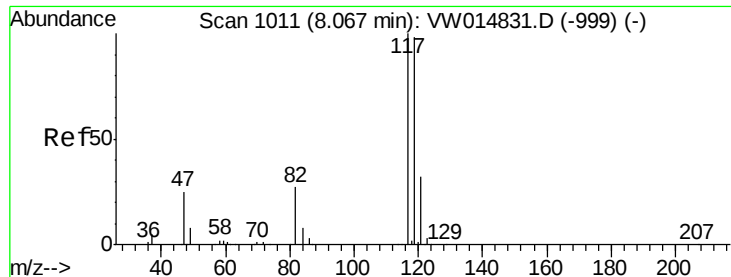
Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.2	22.6	33.8
84	76.9	62.2	93.4



#31
1,1,1-Trichloroethane
Concen: 24.211 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW014830.D
Acq: 03 Feb 2020 12:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	49.8	39.0	58.4





#32

Carbon tetrachloride

Concen: 23.598 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW014830.D

Acq: 03 Feb 2020 12:42

Instrument :

MSVOA_W

ClientSampled :

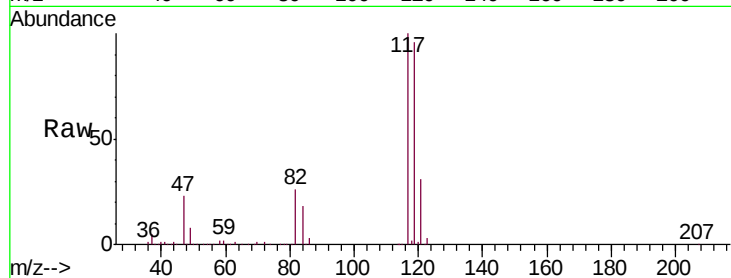
VICV04

Tgt Ion:117 Resp: 299777

Ion Ratio Lower Upper

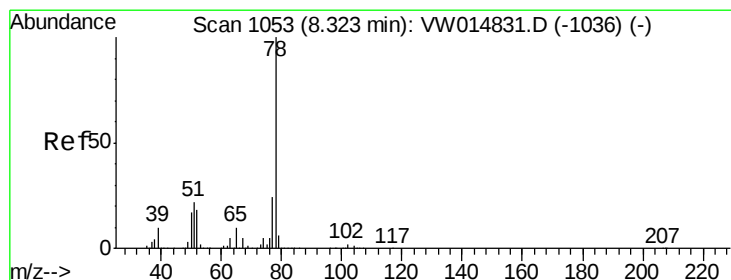
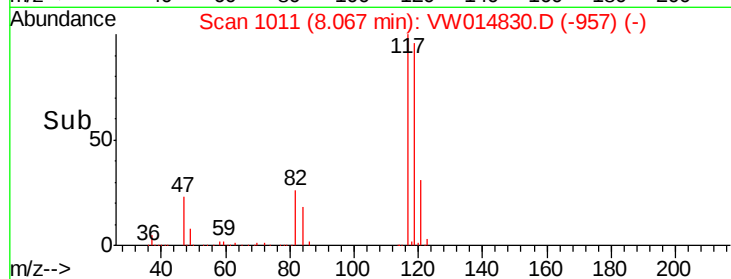
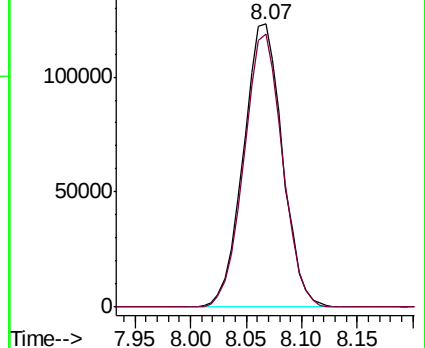
117 100

119 95.3 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.466 ug/L

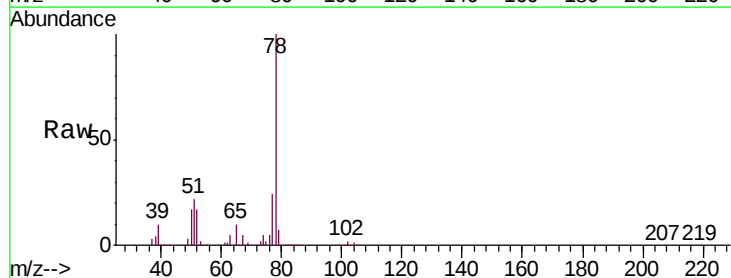
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

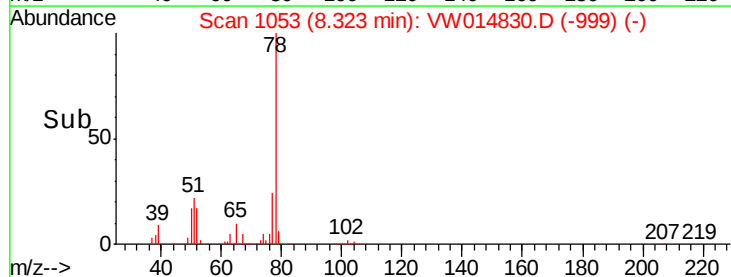
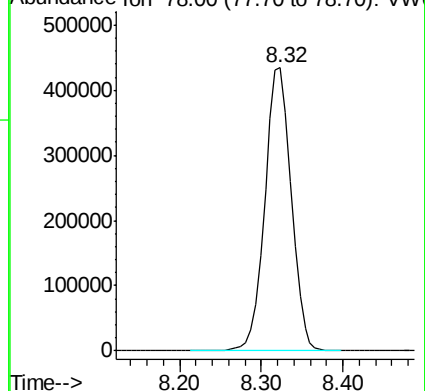
Lab File: VW014830.D

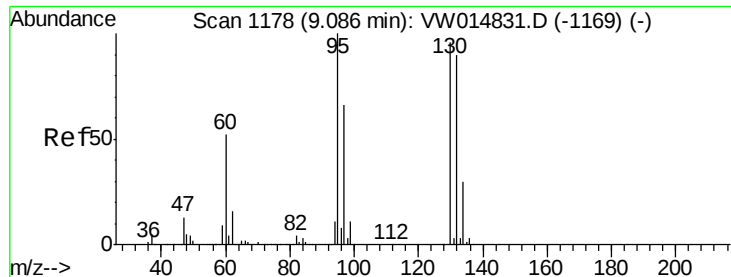
Acq: 03 Feb 2020 12:42

Tgt Ion: 78 Resp: 979184



Abundance Ion 78.00 (77.70 to 78.70): VW

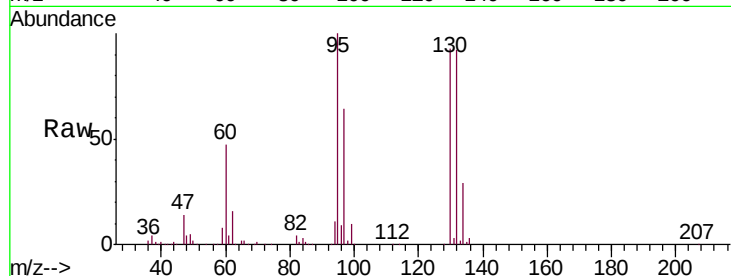




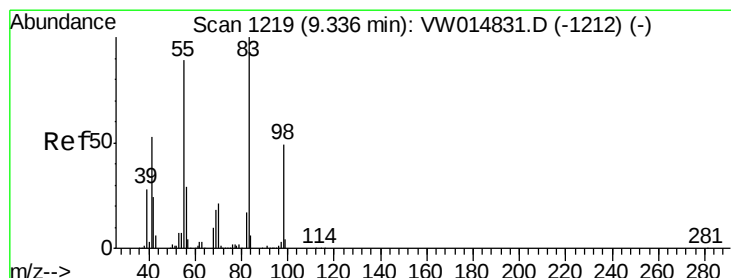
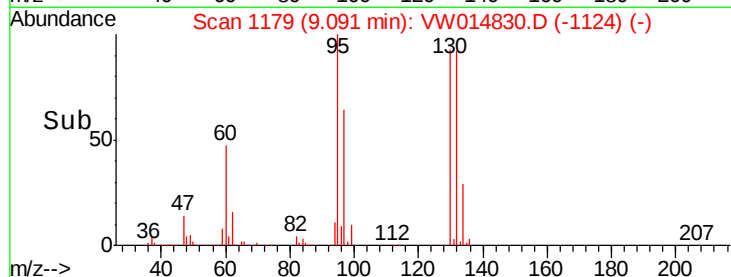
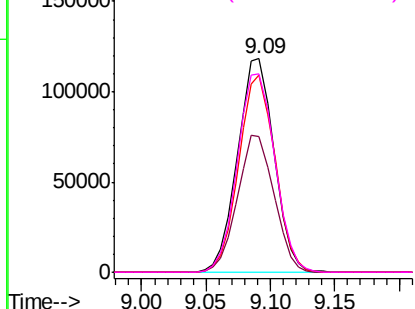
#35
 Trichloroethene
 Concen: 22.636 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW014830.D
 Acq: 03 Feb 2020 12:42

Instrument :
 MSVOA_W
 ClientSampled :
 VICV04

Tgt Ion:	95	Resp:	233272
Ion	Ratio	Lower	Upper
95	100		
97	64.4	44.4	82.5
132	91.4	64.3	119.5
130	95.2	67.6	125.6

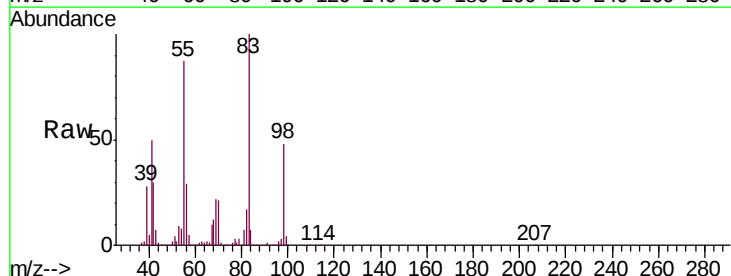


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

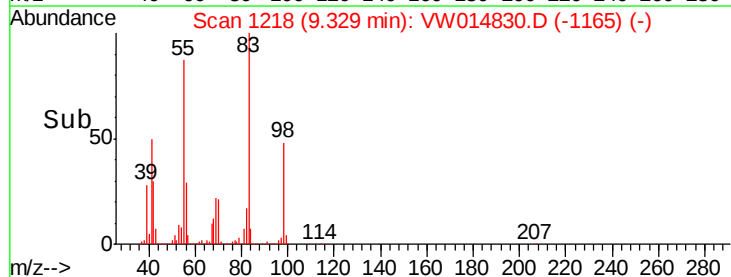
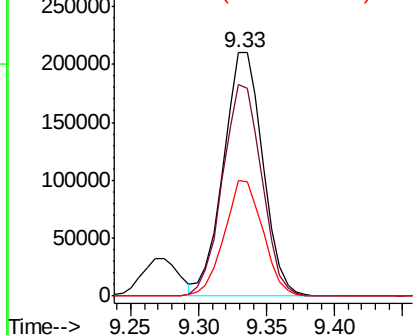


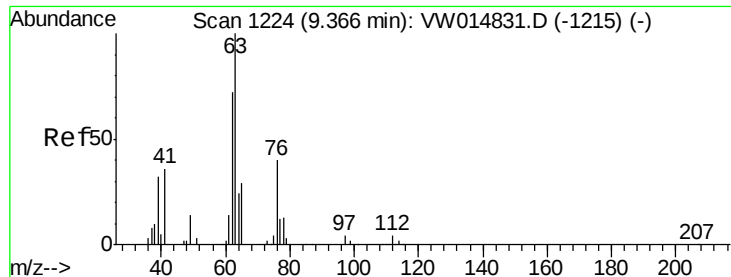
#36
 Methylcyclohexane
 Concen: 23.515 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW014830.D
 Acq: 03 Feb 2020 12:42

Tgt Ion:	83	Resp:	424431
Ion	Ratio	Lower	Upper
83	100		
55	86.3	71.0	106.6
98	46.7	37.7	56.5



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: 23.341 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014830.D

Acq: 03 Feb 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

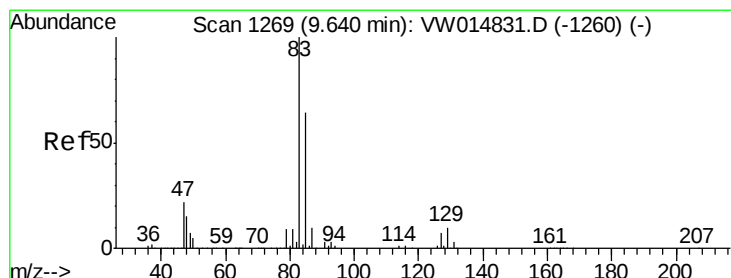
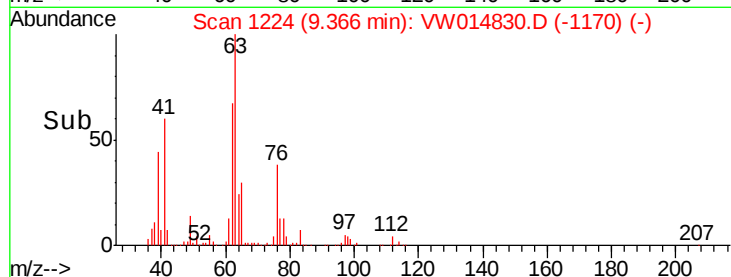
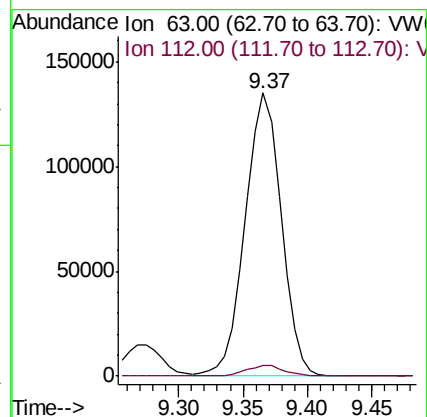
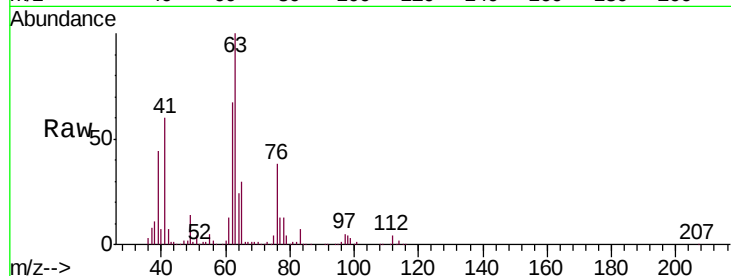
VICV04

Tgt Ion: 63 Resp: 262677

Ion Ratio Lower Upper

63 100

112 4.0 3.2 4.8



#41

Bromodichloromethane

Concen: 23.166 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014830.D

Acq: 03 Feb 2020 12:42

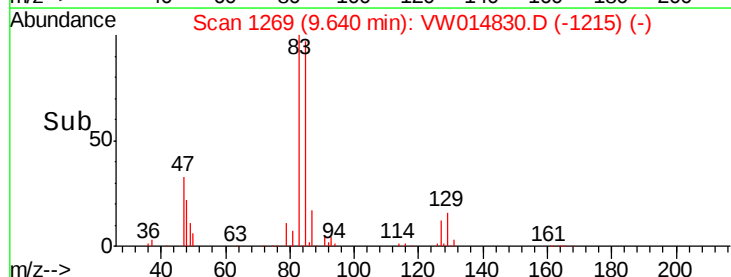
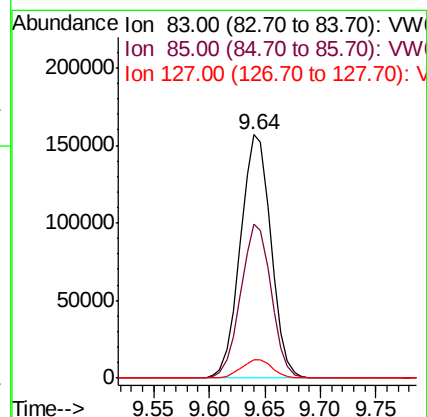
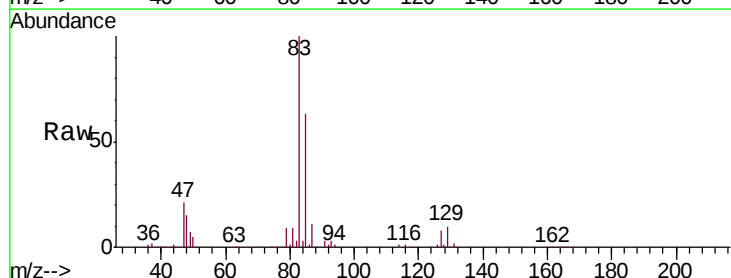
Tgt Ion: 83 Resp: 298733

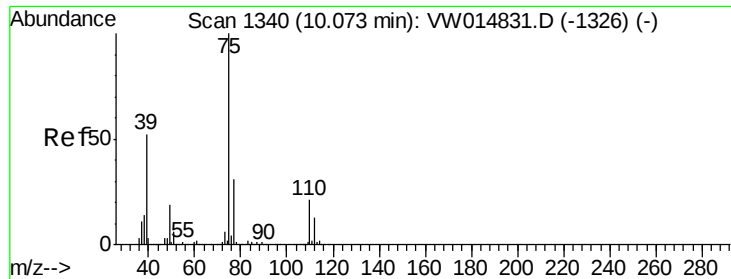
Ion Ratio Lower Upper

83 100

85 63.0 44.2 82.0

127 7.5 6.0 9.0

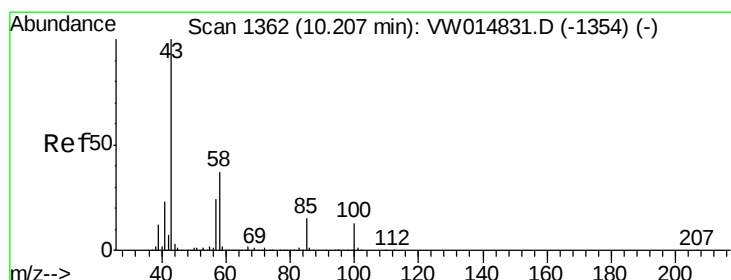
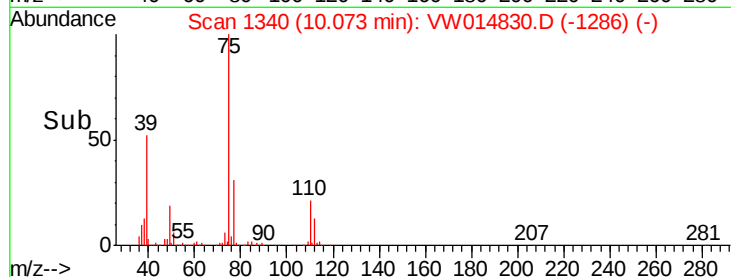
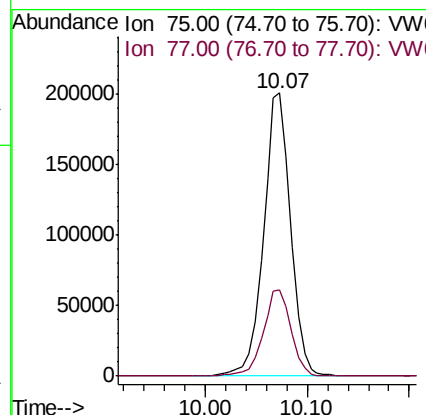
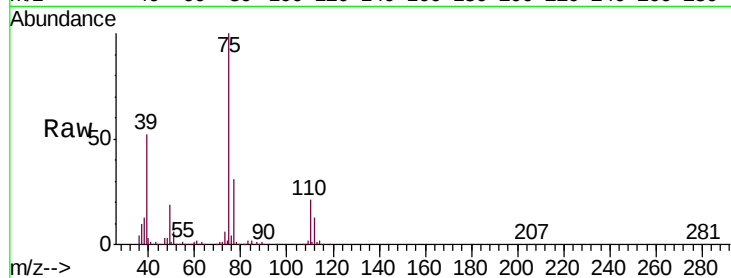




#42
 cis-1,3-Dichloropropene
 Concen: 23.583 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW014830.D
 Acq: 03 Feb 2020 12:42

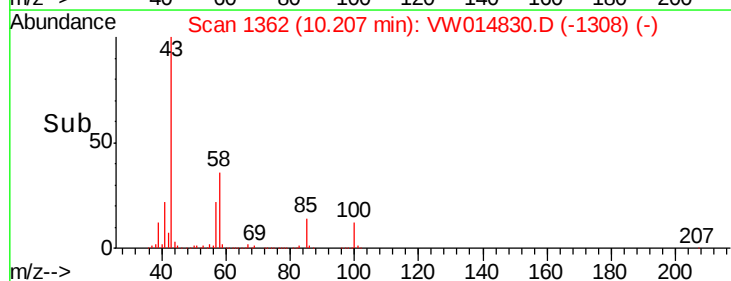
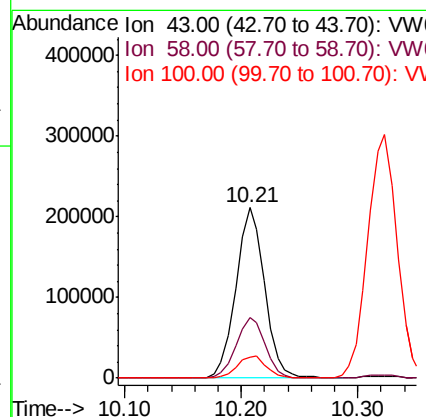
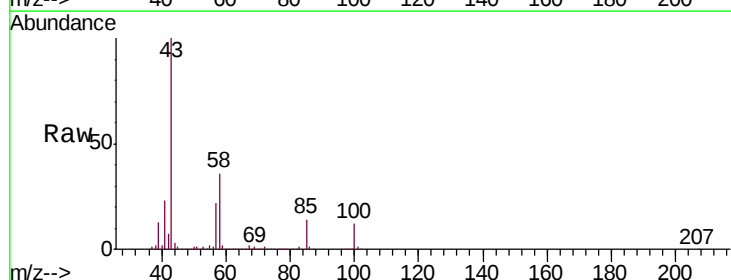
Instrument :
 MSVOA_W
 ClientSampled :
 VICV04

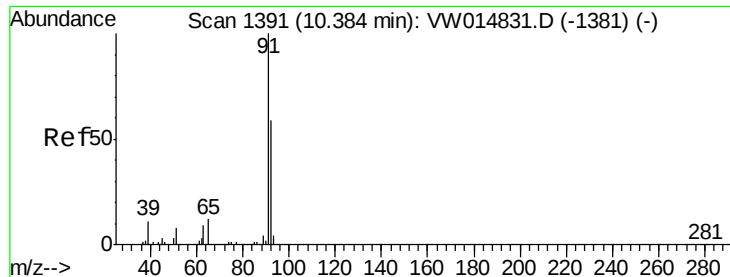
Tgt Ion: 75 Resp: 369420
 Ion Ratio Lower Upper
 75 100
 77 30.6 22.1 41.1



#43
 4-Methyl-2-pentanone
 Concen: 43.789 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014830.D
 Acq: 03 Feb 2020 12:42

Tgt Ion: 43 Resp: 361844
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.3 43.9
 100 13.0 10.2 15.4





#44

Toluene

Concen: 24.033 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014830.D

Acq: 03 Feb 2020 12:42

Instrument :

MSVOA_W

ClientSampled :

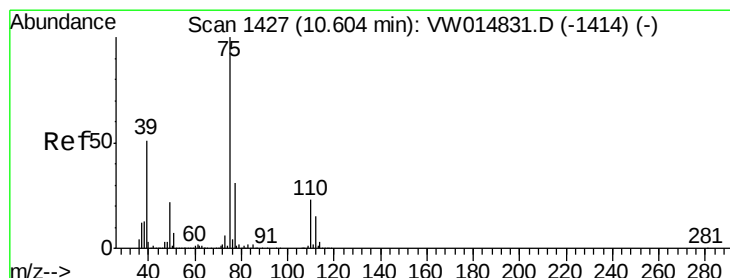
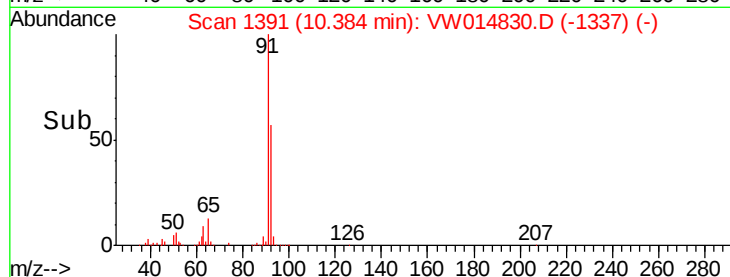
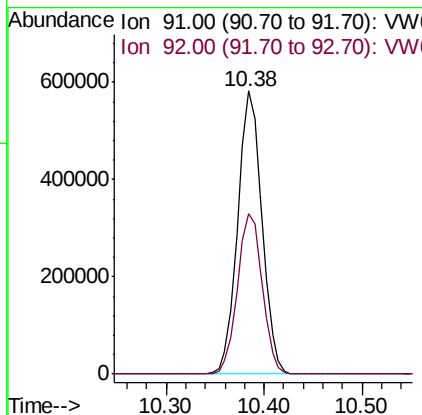
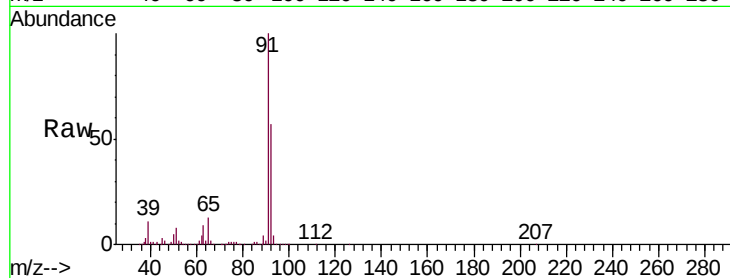
VICV04

Tgt Ion: 91 Resp: 1003319

Ion Ratio Lower Upper

91 100

92 56.9 41.6 77.2



#45

trans-1,3-Dichloropropene

Concen: 23.444 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014830.D

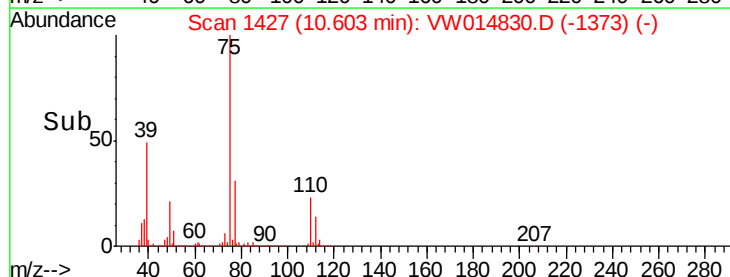
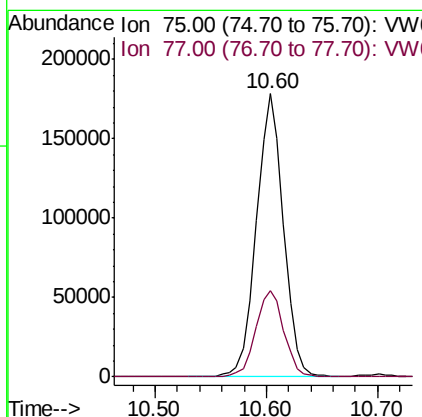
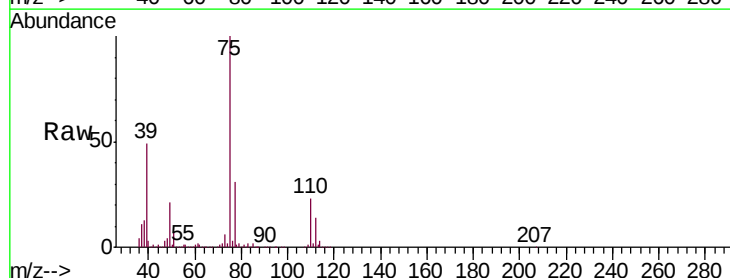
Acq: 03 Feb 2020 12:42

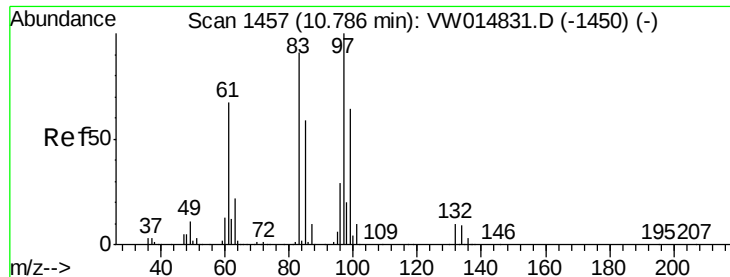
Tgt Ion: 75 Resp: 302204

Ion Ratio Lower Upper

75 100

77 30.6 22.7 42.1





#46

1,1,2-Trichloroethane

Concen: 22.726 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014830.D

Acq: 03 Feb 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

VICV04

Tgt Ion: 97 Resp: 169242

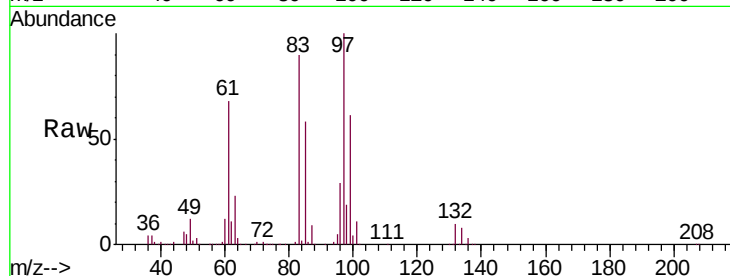
Ion Ratio Lower Upper

97 100

83 89.6 61.9 115.1

85 57.8 38.5 71.5

99 61.0 42.0 78.0



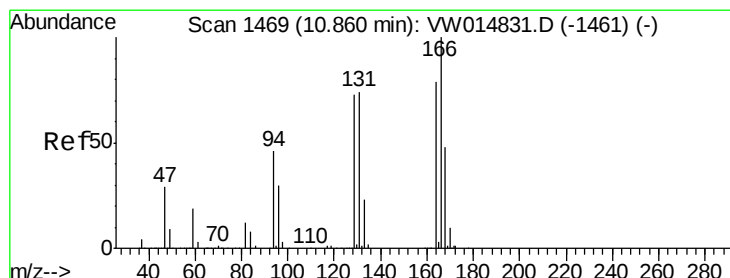
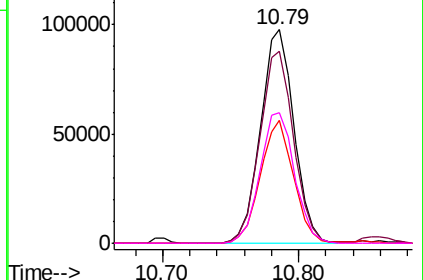
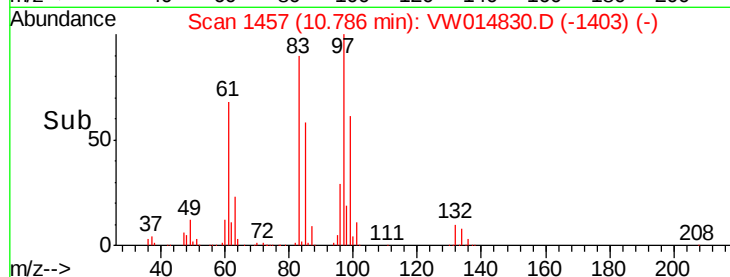
Abundance

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: 22.899 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014830.D

Acq: 03 Feb 2020 12:42

Tgt Ion: 164 Resp: 176044

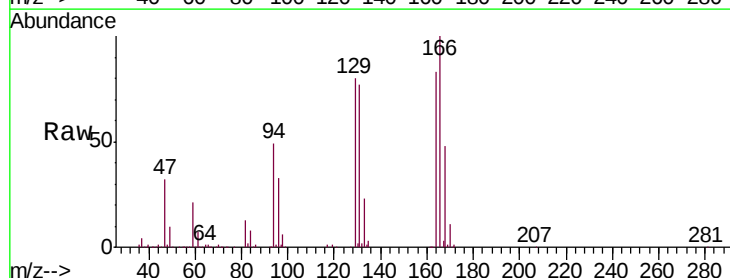
Ion Ratio Lower Upper

164 100

129 95.6 67.1 124.5

131 92.7 62.2 115.6

166 120.0 87.6 162.6



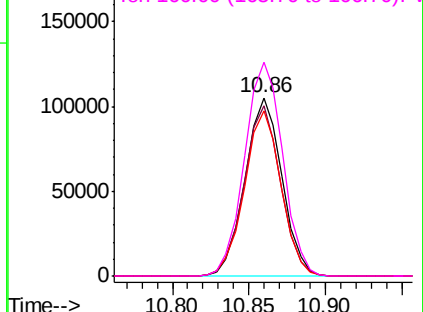
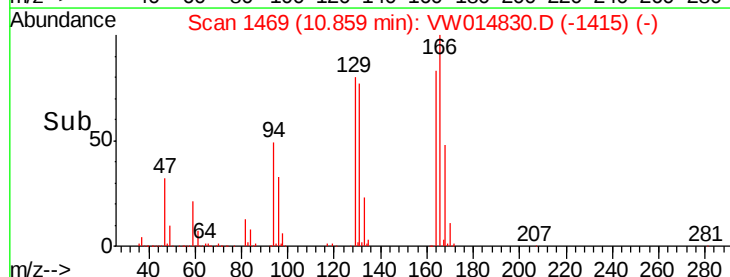
Abundance

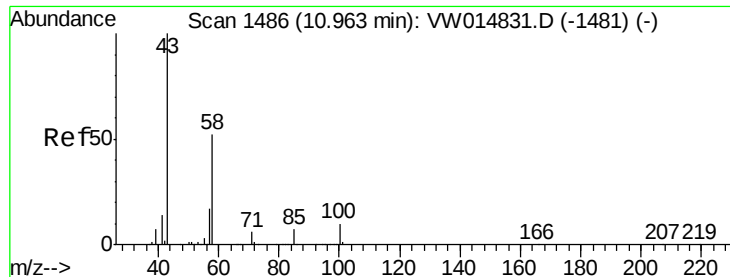
Ion 164.00 (163.70 to 164.70): V

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

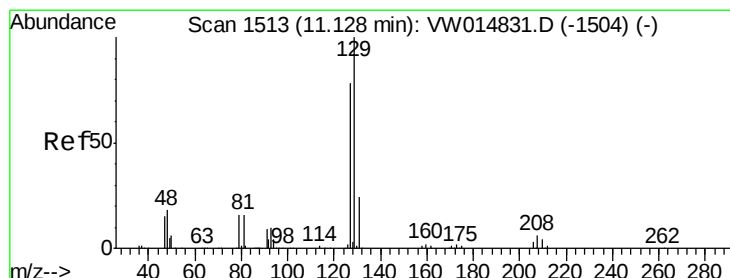
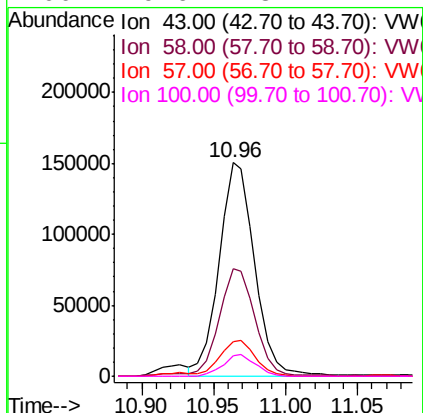
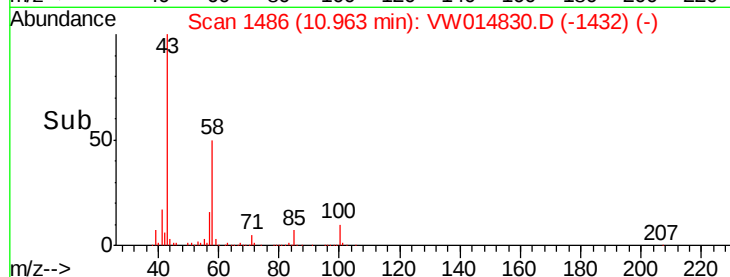
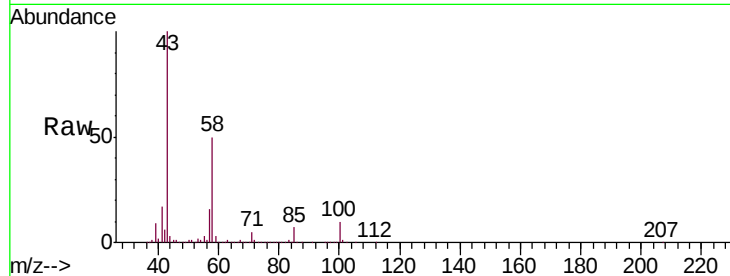




#49
2-Hexanone
Concen: 45.501 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014830.D
Acq: 03 Feb 2020 12:42

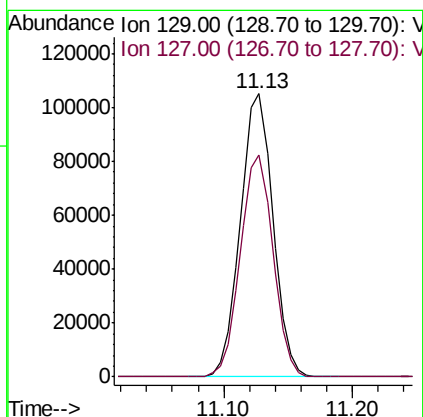
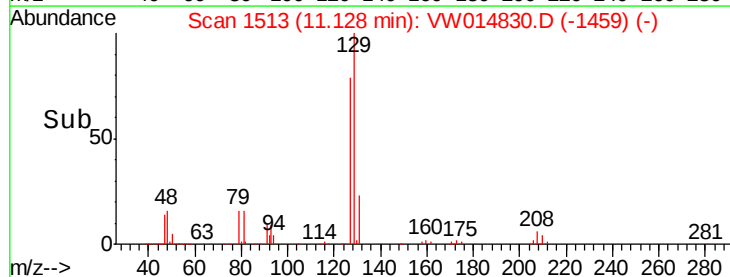
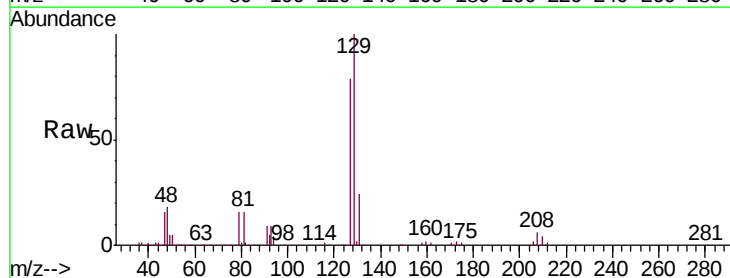
Instrument :
MSVOA_W
ClientSampleId :
VICV04

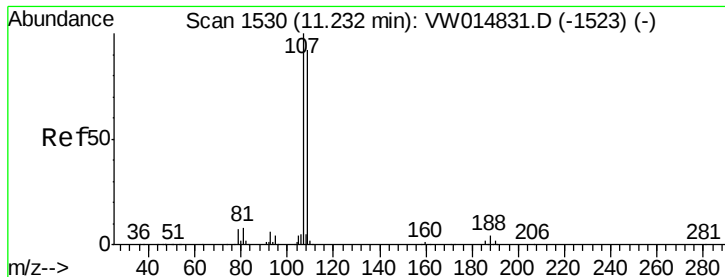
Tgt Ion:	43	Resp:	259429
Ion	Ratio	Lower	Upper
43	100		
58	50.4	41.1	61.7
57	17.0	14.1	21.1
100	9.6	8.1	12.1



#50
Dibromochloromethane
Concen: 22.999 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014830.D
Acq: 03 Feb 2020 12:42

Tgt Ion:	129	Resp:	184130
Ion	Ratio	Lower	Upper
129	100		
127	78.6	54.2	100.6

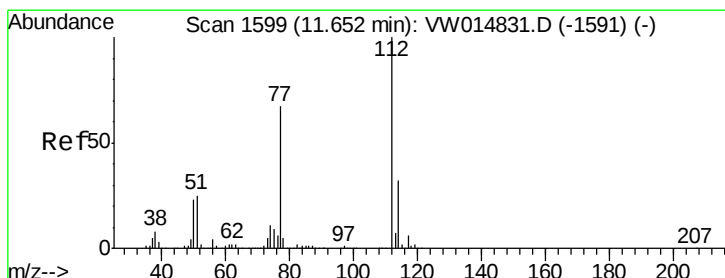
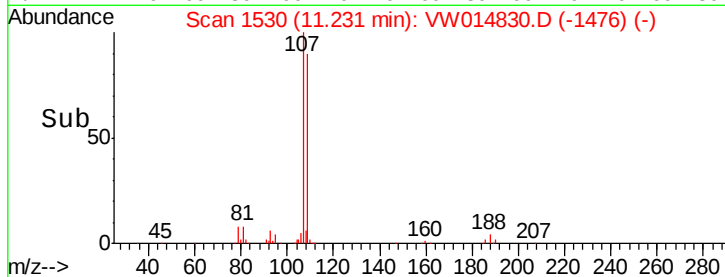
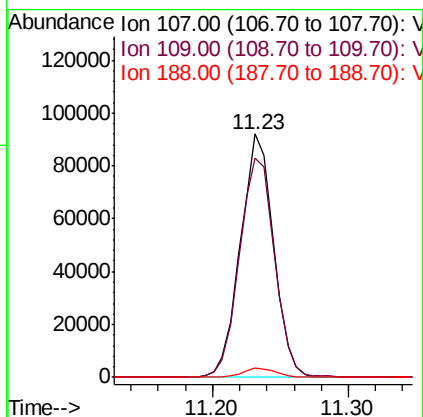
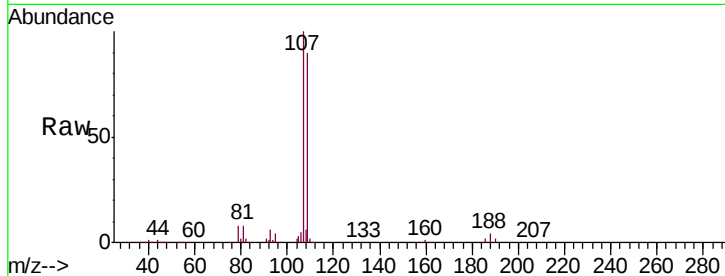




#51
 1,2-Dibromoethane
 Concen: 22.427 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014830.D
 Acq: 03 Feb 2020 12:42

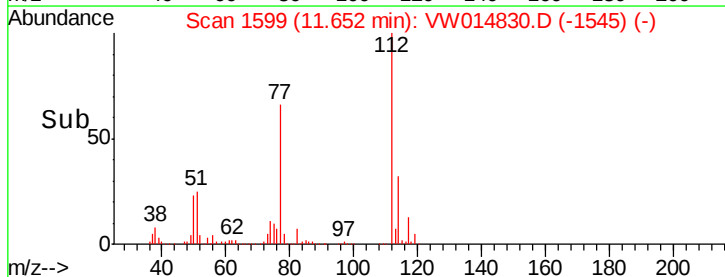
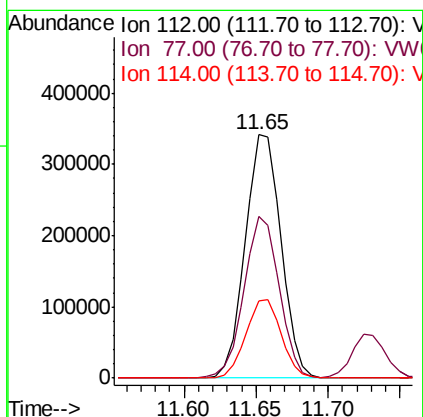
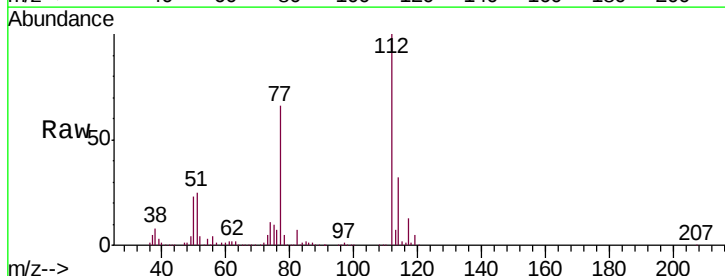
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV04

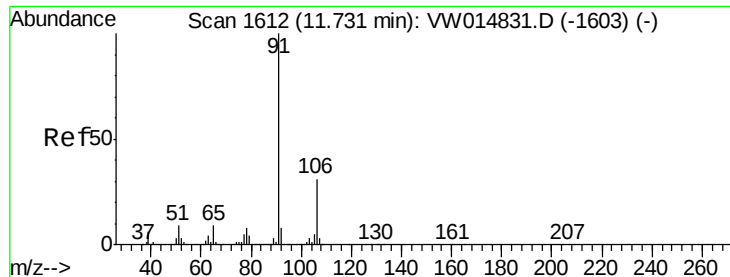
Tgt Ion	Ratio	Lower	Upper
107	100		
109	90.3	66.6	123.8
188	3.6	2.5	3.7



#52
 Chlorobenzene
 Concen: 23.086 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: VW014830.D
 Acq: 03 Feb 2020 12:42

Tgt Ion	Ratio	Lower	Upper
112	100		
77	66.3	49.8	74.8
114	31.7	22.1	41.1





#53

Ethylbenzene

Concen: 23.638 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014830.D

Acq: 03 Feb 2020 12:42

Instrument :

MSVOA_W

ClientSampled :

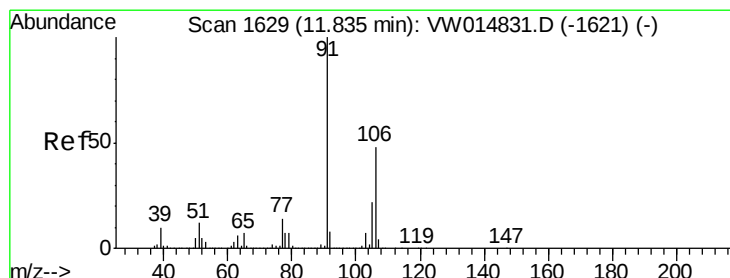
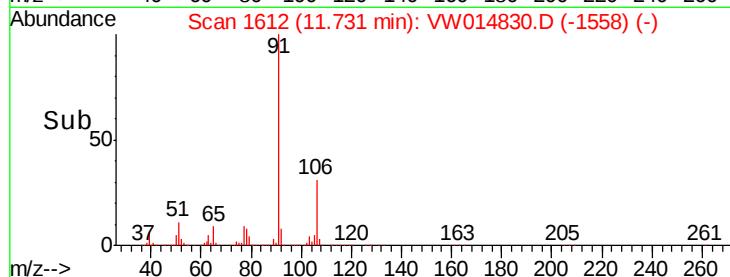
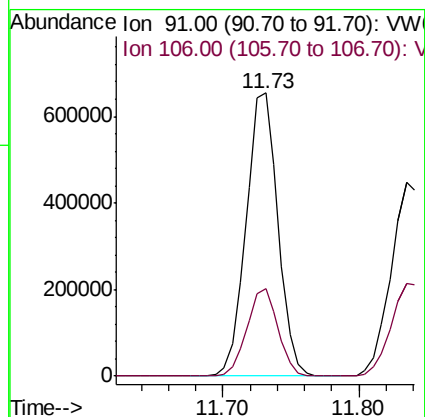
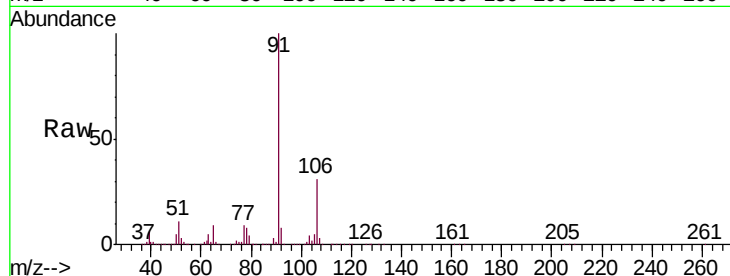
VICV04

Tgt Ion: 91 Resp: 1069275

Ion Ratio Lower Upper

91 100

106 31.1 21.3 39.5



#54

m,p-Xylene

Concen: 24.417 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014830.D

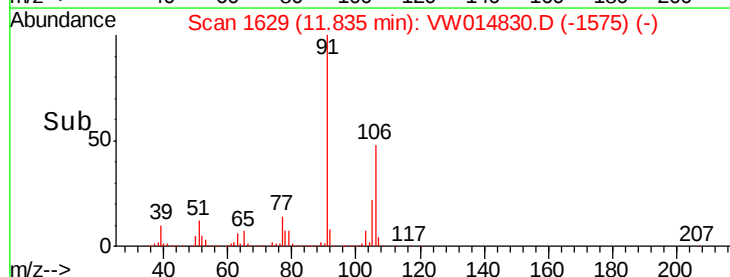
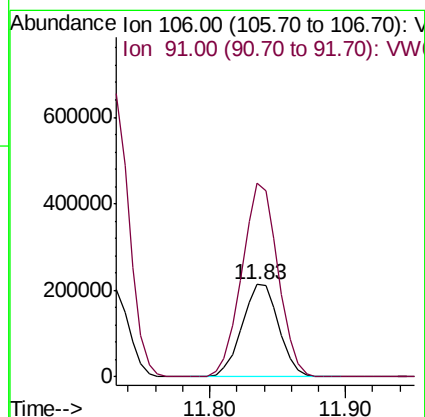
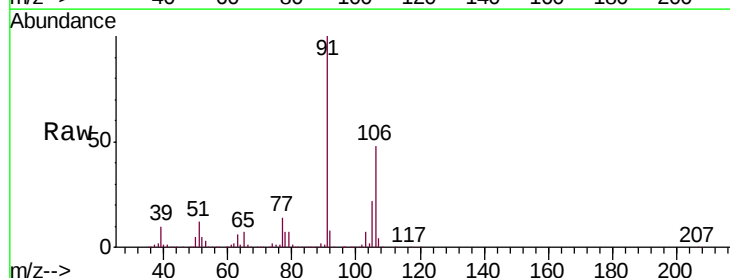
Acq: 03 Feb 2020 12:42

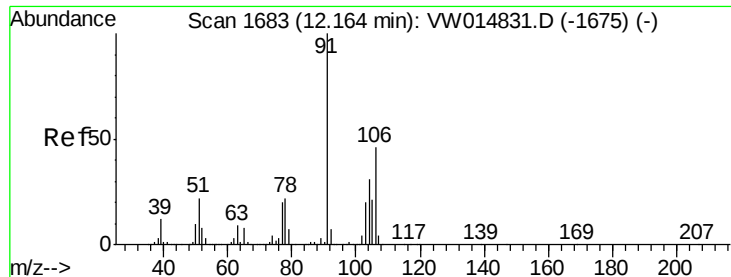
Tgt Ion: 106 Resp: 404176

Ion Ratio Lower Upper

106 100

91 210.5 145.3 269.9





#55

o-xylene

Concen: 24.157 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014830.D

Acq: 03 Feb 2020 12:42

Instrument :

MSVOA_W

ClientSampled :

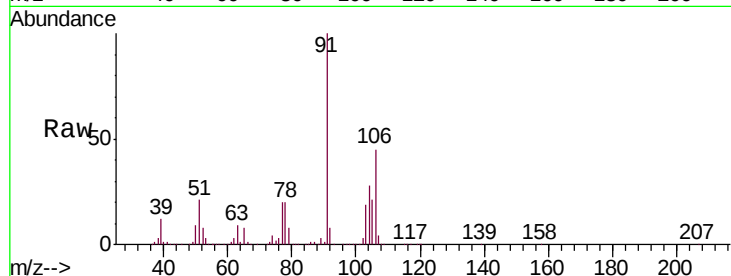
VICV04

Tgt Ion:106 Resp: 372532

Ion Ratio Lower Upper

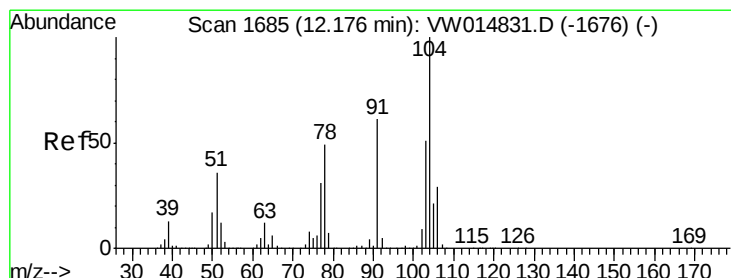
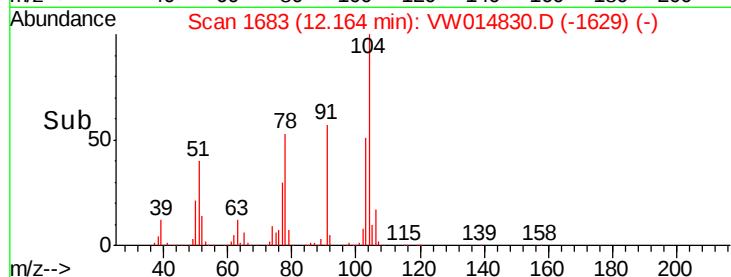
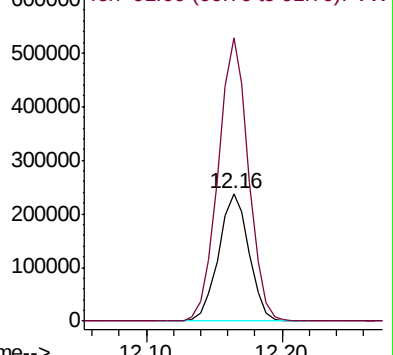
106 100

91 222.2 154.6 287.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.608 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014830.D

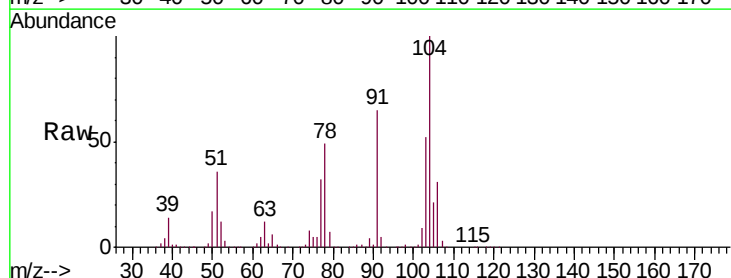
Acq: 03 Feb 2020 12:42

Tgt Ion:104 Resp: 646219

Ion Ratio Lower Upper

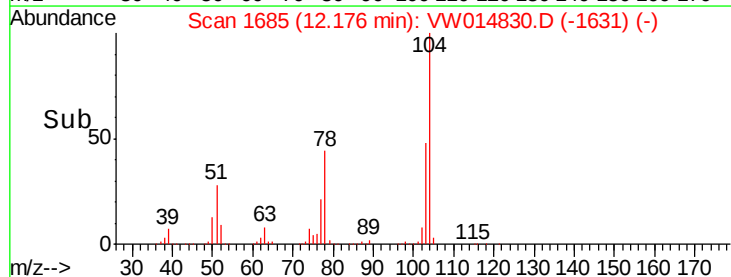
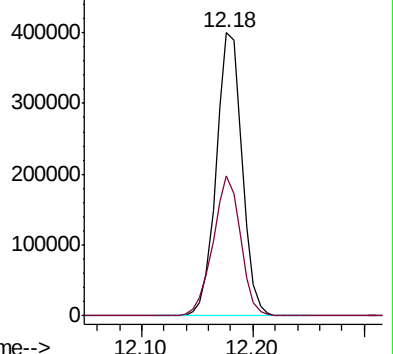
104 100

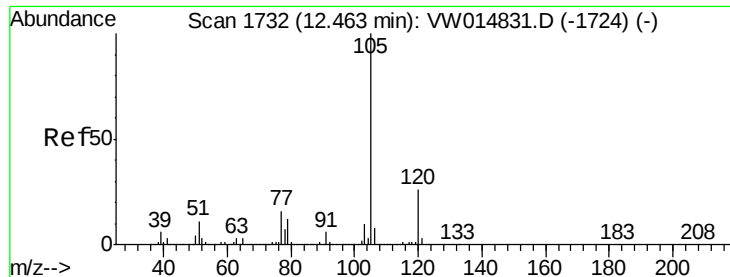
78 49.3 34.3 63.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.437 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014830.D

Acq: 03 Feb 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

VICV04

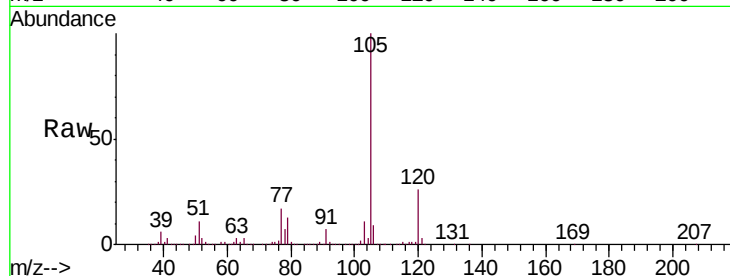
Tgt Ion: 105 Resp: 1019093

Ion Ratio Lower Upper

105 100

120 25.9 20.5 30.7

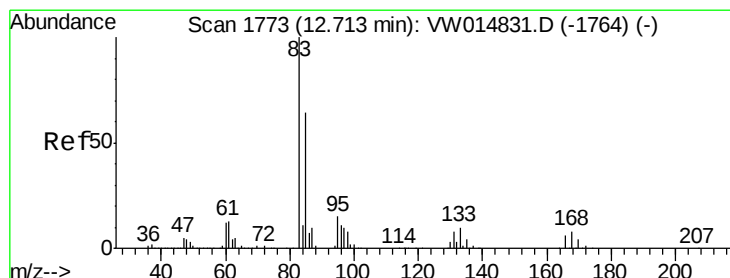
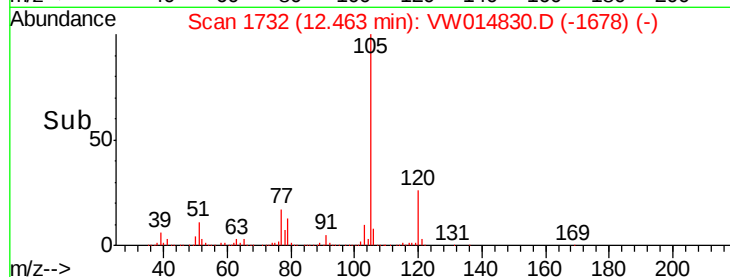
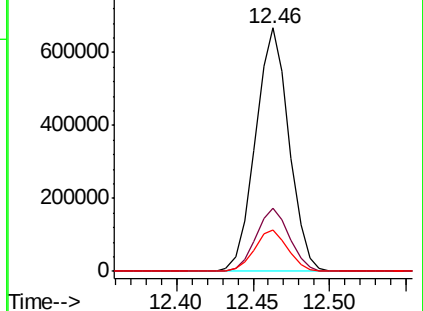
77 16.9 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 22.211 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014830.D

Acq: 03 Feb 2020 12:42

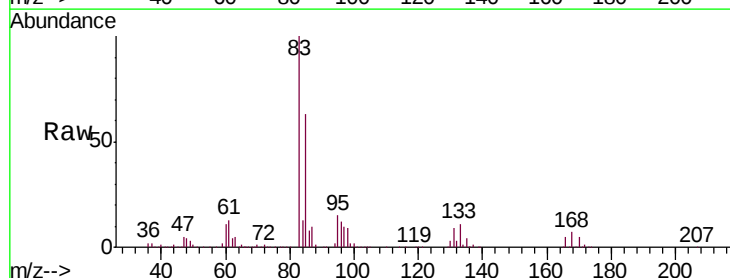
Tgt Ion: 83 Resp: 217133

Ion Ratio Lower Upper

83 100

85 63.5 44.9 83.5

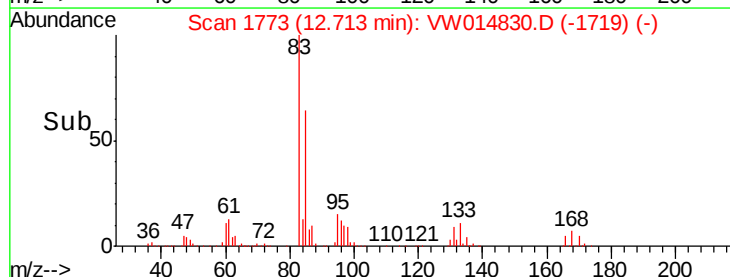
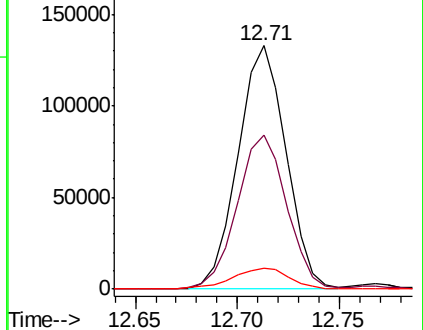
131 8.8 6.9 10.3

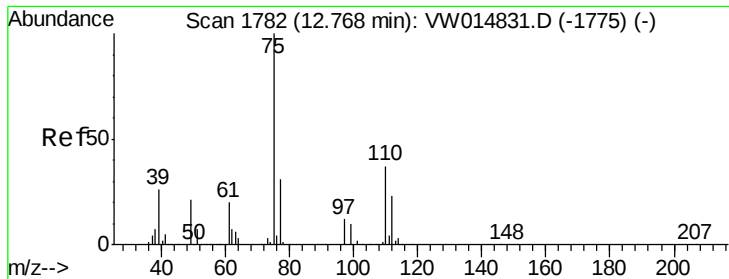


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 22.205 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014830.D

Acq: 03 Feb 2020 12:42

Instrument :

MSVOA_W

ClientSampled :

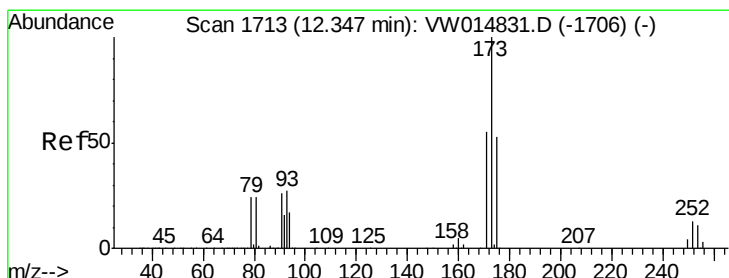
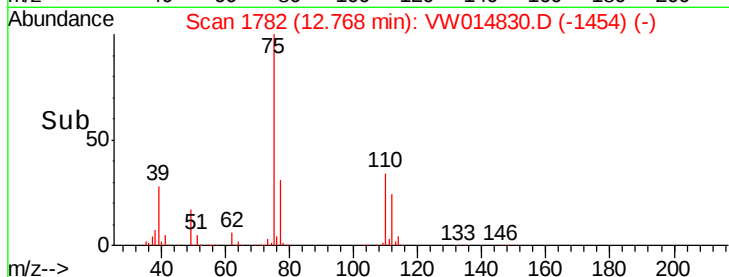
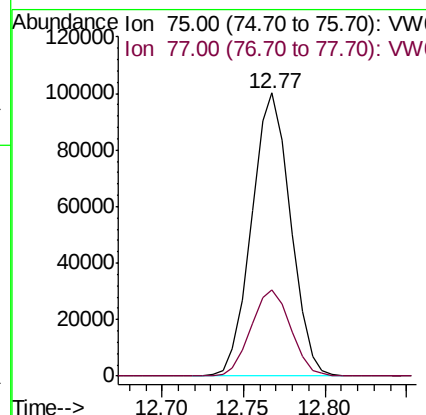
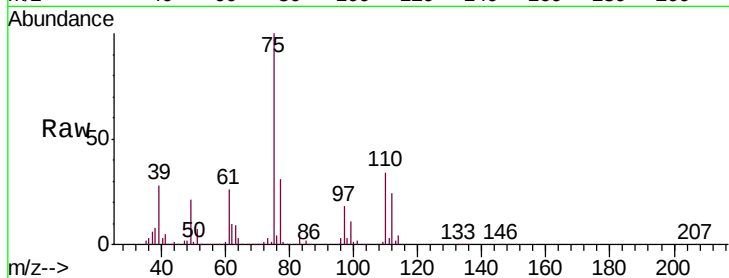
VICV04

Tgt Ion: 75 Resp: 166185

Ion Ratio Lower Upper

75 100

77 31.2 25.3 37.9



#62

Bromoform

Concen: 21.830 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014830.D

Acq: 03 Feb 2020 12:42

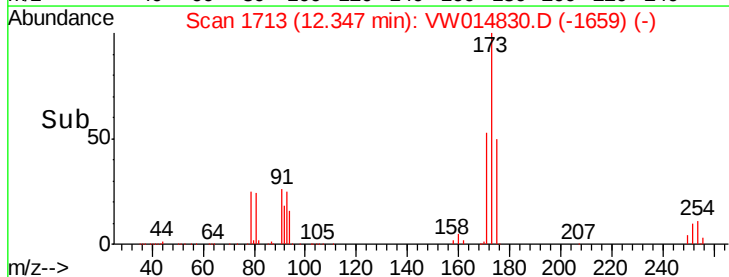
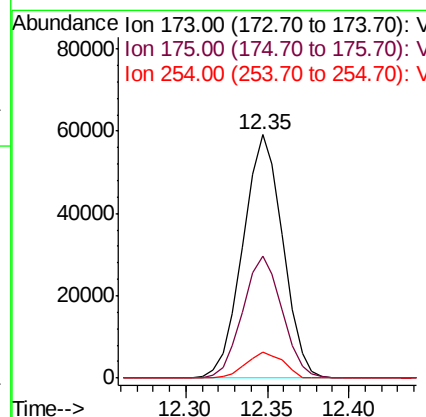
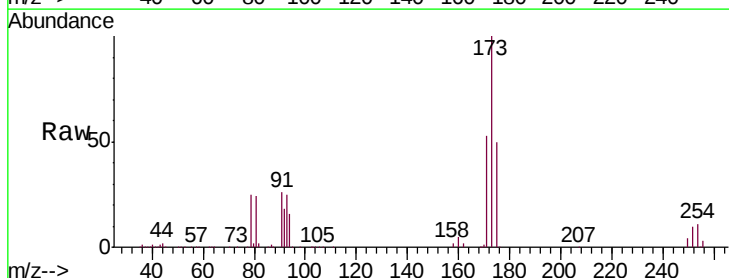
Tgt Ion: 173 Resp: 101128

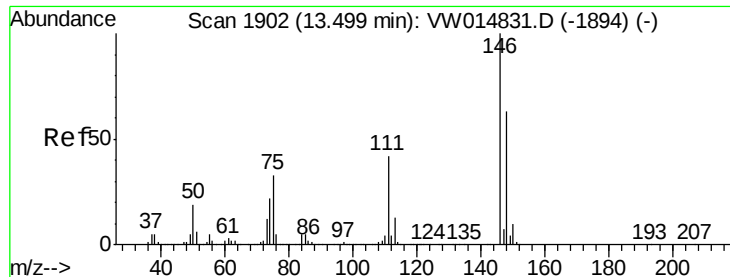
Ion Ratio Lower Upper

173 100

175 49.7 38.2 57.4

254 9.8 8.6 13.0

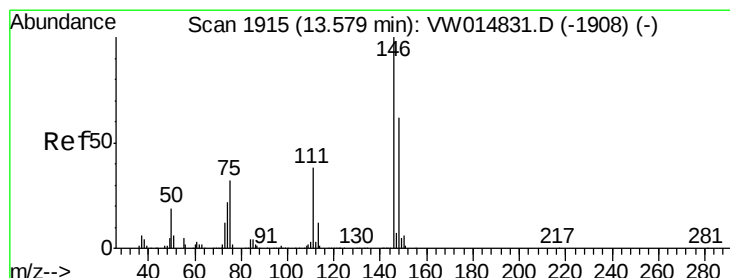
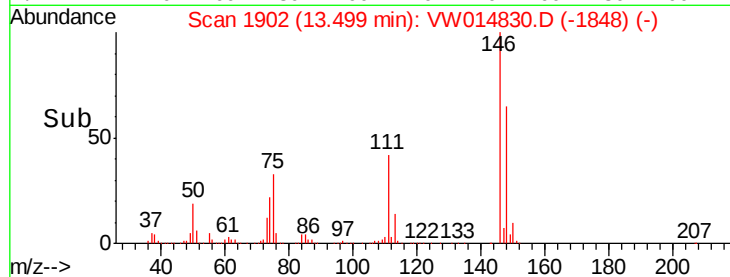
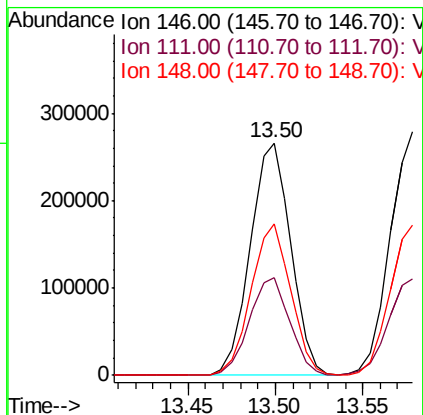
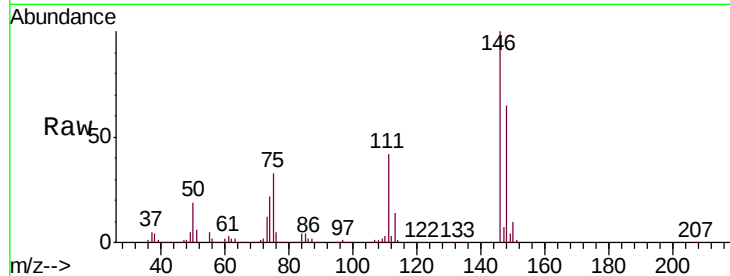




#63
 1,3-Dichlorobenzene
 Concen: 22.785 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014830.D
 Acq: 03 Feb 2020 12:42

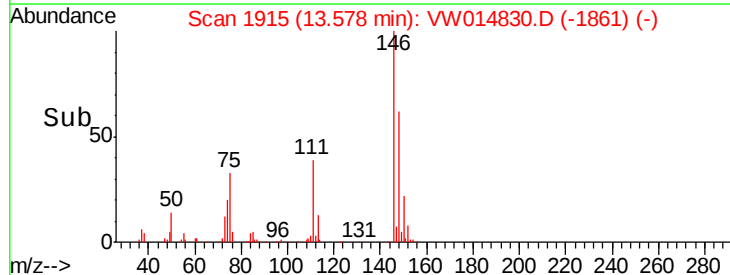
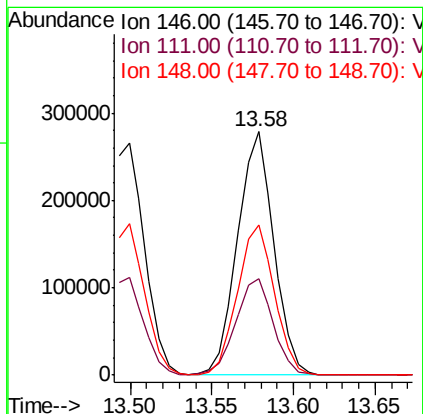
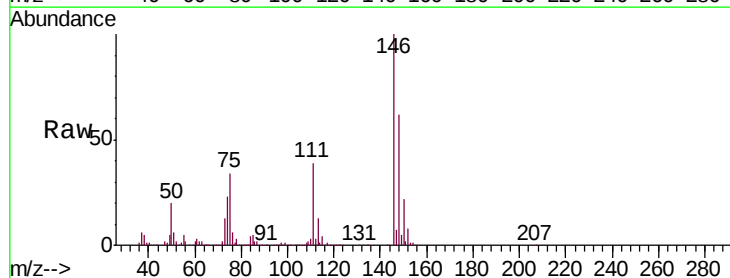
Instrument :
 MSVOA_W
 ClientSampled :
 VICV04

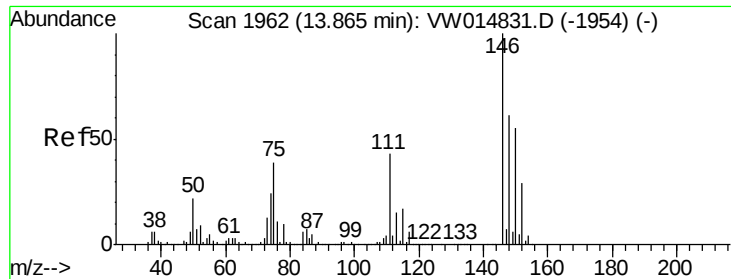
Tgt Ion:146 Resp: 428289
 Ion Ratio Lower Upper
 146 100
 111 42.2 28.8 53.4
 148 64.9 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 22.782 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014830.D
 Acq: 03 Feb 2020 12:42

Tgt Ion:146 Resp: 431650
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.2 50.4
 148 61.6 44.2 82.0

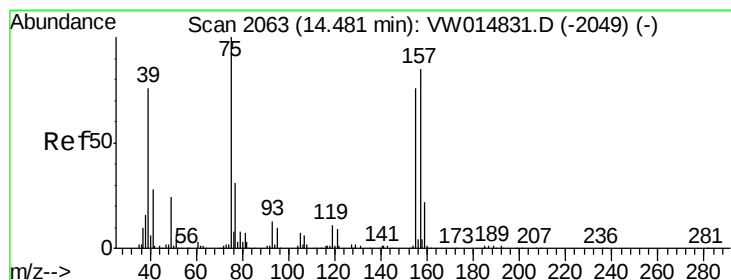
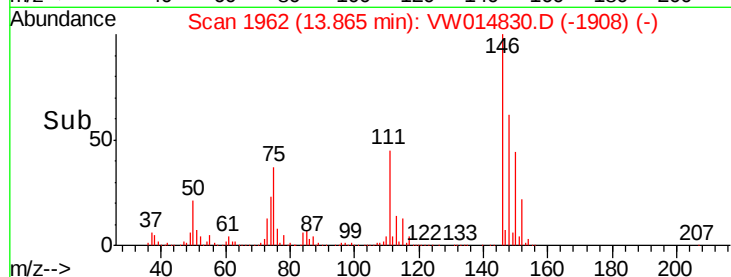
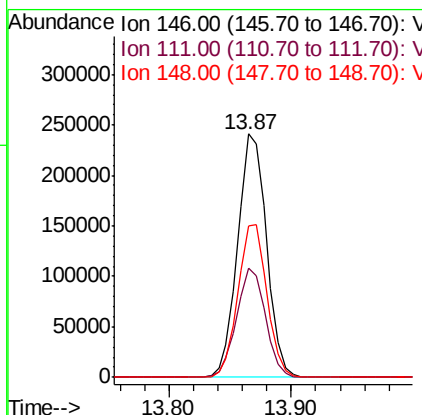
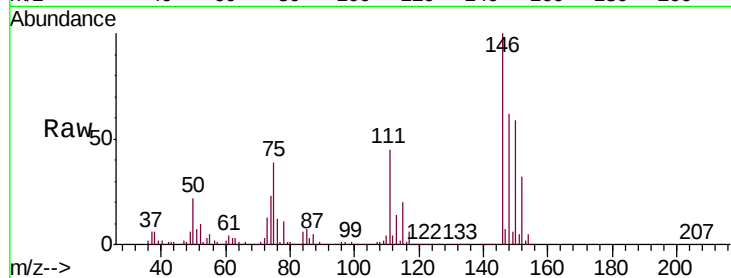




#65
 1,2-Dichlorobenzene
 Concen: 23.017 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW014830.D
 Acq: 03 Feb 2020 12:42

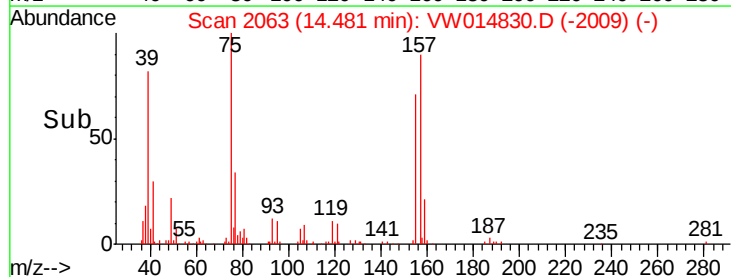
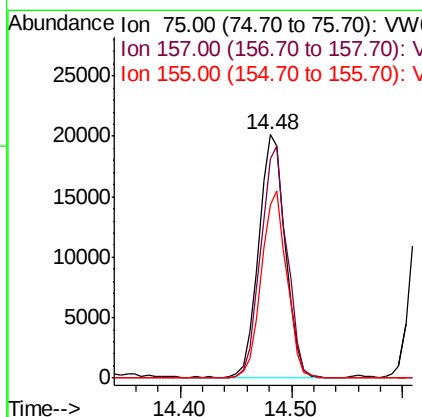
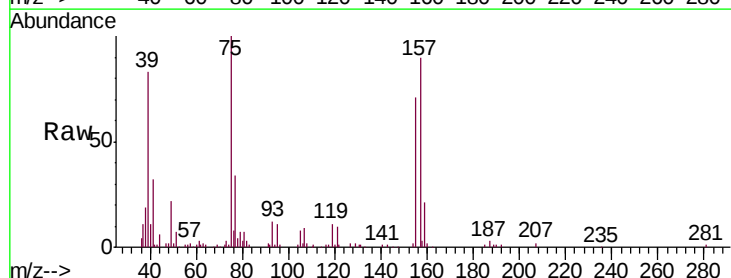
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV04

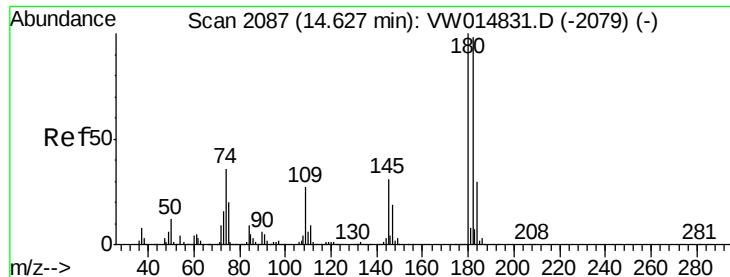
Tgt Ion: 146 Resp: 393893
 Ion Ratio Lower Upper
 146 100
 111 44.7 34.3 51.5
 148 62.0 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.394 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014830.D
 Acq: 03 Feb 2020 12:42

Tgt Ion: 75 Resp: 34065
 Ion Ratio Lower Upper
 75 100
 157 90.2 68.2 102.2
 155 71.3 56.0 84.0

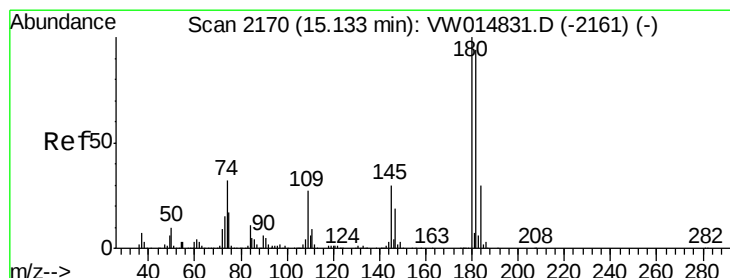
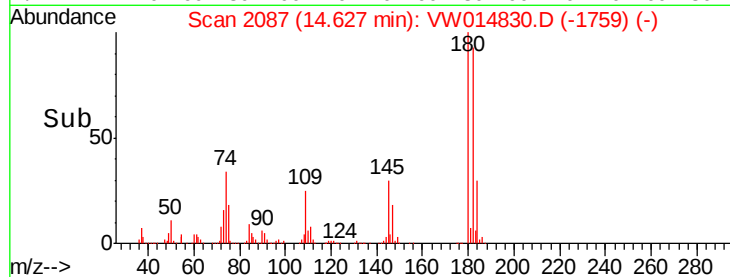
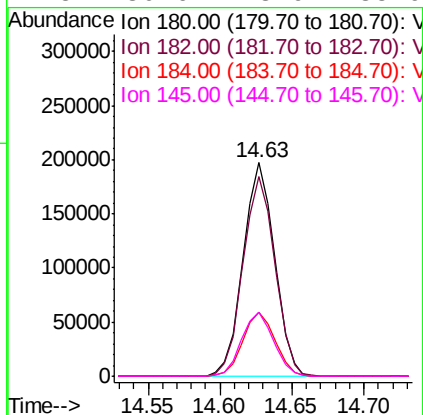
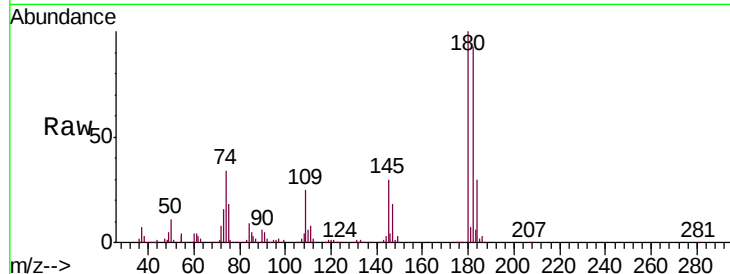




#67
 1,3,5-Trichlorobenzene
 Concen: 22.425 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014830.D
 Acq: 03 Feb 2020 12:42

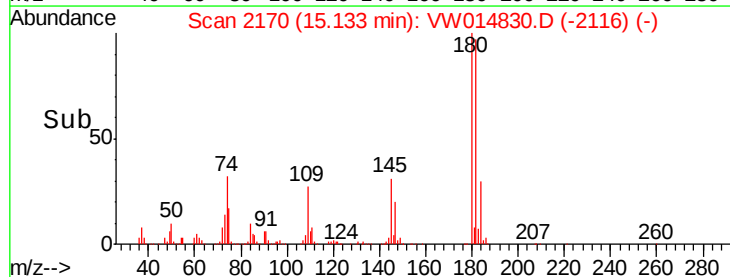
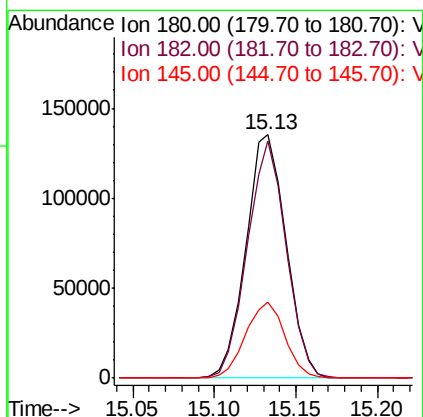
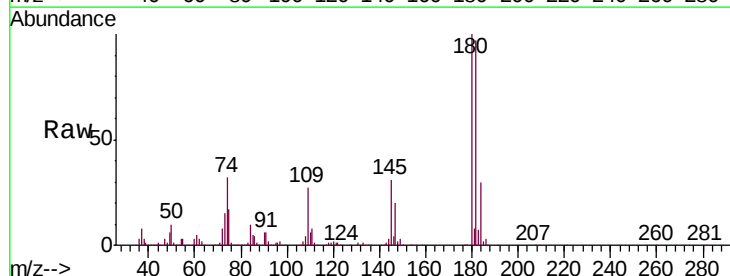
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV04

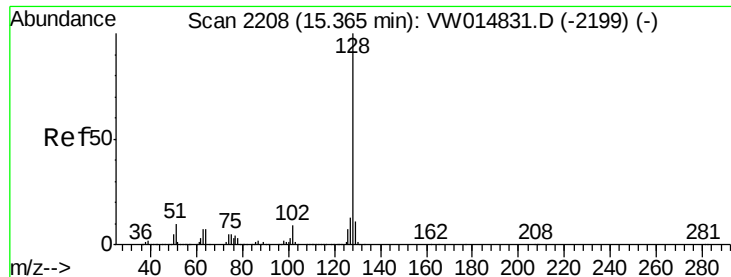
Tgt Ion:	180	Resp:	298668
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.1	114.1
184	30.5	24.2	36.2
145	30.6	23.9	35.9



#68
 1,2,4-trichlorobenzene
 Concen: 22.277 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014830.D
 Acq: 03 Feb 2020 12:42

Tgt Ion:	180	Resp:	231798
Ion	Ratio	Lower	Upper
180	100		
182	94.0	74.7	112.1
145	30.4	24.1	36.1





#69

Naphthalene

Concen: 20.780 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014830.D

Acq: 03 Feb 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

VICV04

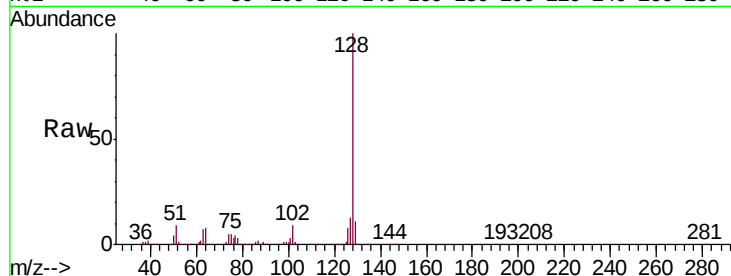
Tgt Ion:128 Resp: 438705

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

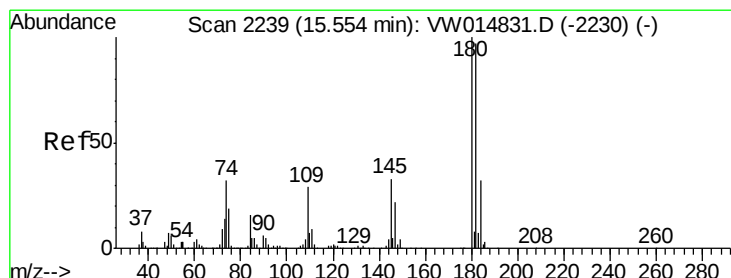
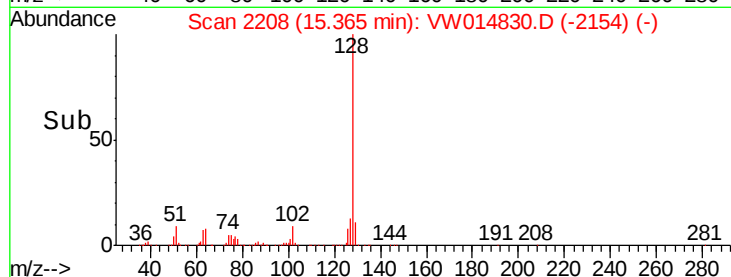
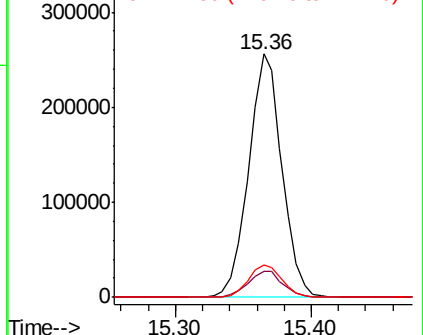
127 13.4 10.6 15.8



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: 22.101 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014830.D

Acq: 03 Feb 2020 12:42

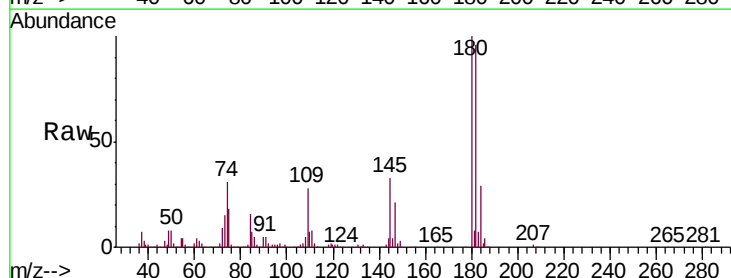
Tgt Ion:180 Resp: 212521

Ion Ratio Lower Upper

180 100

182 95.9 76.4 114.6

145 32.9 25.7 38.5



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

