

Data File : VW014852.D
Acq On : 04 Feb 2020 09:36
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB27

Quant Time: Feb 05 03:39:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 04 16:33:22 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	883195	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	795269	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	374617	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	385572	27.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.48%
7) Chloroethane-d5	2.89	69	296492	22.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.68%
10) 1,1-Dichloroethene-d2	4.02	63	676039	23.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.04%
20) 2-Butanone-d5	7.07	46	217234	41.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.56%
24) Chloroform-d	7.65	84	605687	21.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.16%
26) 1,2-Dichloroethane-d4	8.30	65	339647	21.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.96%
29) Benzene-d6	8.27	84	1258710	22.45	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.80%
33) 1,2-Dichloropropane-d6	9.27	67	403552	21.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.84%
37) Toluene-d8	10.32	98	1118462	22.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.44%
38) trans-1,3-Dichloropropene-	10.57	79	163605	22.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.96%
39) 2-Hexanone-d5	10.92	63	166993	46.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	316209	22.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	341560	21.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.04%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	222033	19.962 ug/L	98
3) Chloromethane	2.21	50	332701	21.821 ug/L	100
5) Vinyl chloride	2.37	62	451843	29.482 ug/L	98
6) Bromomethane	2.78	94	216935	24.188 ug/L	99
8) Chloroethane	2.93	64	243485	24.469 ug/L	100
9) Trichlorofluoromethane	3.26	101	189502	21.238 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	330595	24.173 ug/L	99
12) 1,1-Dichloroethene	4.04	96	317116	24.586 ug/L	96
13) Acetone	4.12	43	205496	36.548 ug/L	98
14) Carbon disulfide	4.38	76	957568	24.460 ug/L	99
15) Methyl Acetate	4.67	43	194601	23.126 ug/L	99
16) Methylene chloride	4.92	84	336353	20.625 ug/L	97
17) Methyl tert-butyl Ether	5.42	73	395763	24.178 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	313891	23.714 ug/L	98
19) 1,1-Dichloroethane	6.21	63	628055	23.368 ug/L	97
21) 2-Butanone	7.17	43	263614	43.690 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	331680	24.243 ug/L	99

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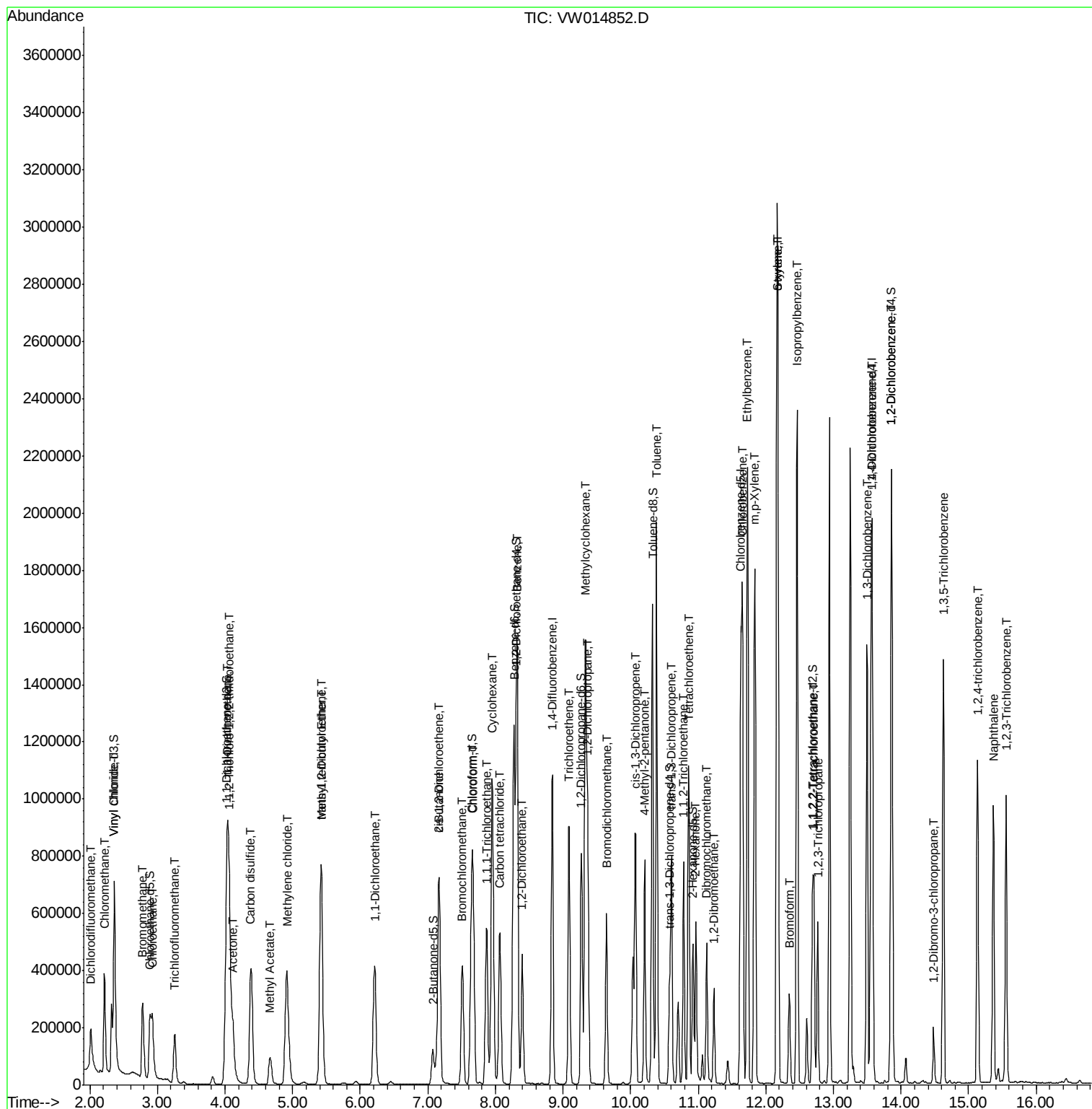
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	138589	23.689	ug/L	94
25) Chloroform	7.67	83	575106	23.438	ug/L	100
27) 1,2-Dichloroethane	8.40	62	398955	23.272	ug/L	98
30) Cyclohexane	7.95	56	617120	25.675	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	442736	23.723	ug/L	99
32) Carbon tetrachloride	8.07	117	406848	23.998	ug/L	99
34) Benzene	8.32	78	1351826	24.275	ug/L	100
35) Trichloroethene	9.09	95	330758	24.050	ug/L	99
36) Methylcyclohexane	9.34	83	612748	25.439	ug/L	97
40) 1,2-Dichloropropane	9.37	63	354228	23.586	ug/L	99
41) Bromodichloromethane	9.64	83	408189	23.718	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	512128	24.497	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	522620	47.391	ug/L	99
44) Toluene	10.38	91	1381335	24.793	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	423744	24.632	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	242855	24.436	ug/L	98
47) Tetrachloroethene	10.86	164	245848	23.962	ug/L	97
49) 2-Hexanone	10.96	43	379143	49.827	ug/L	98
50) Dibromochloromethane	11.13	129	258288	24.174	ug/L	97
51) 1,2-Dibromoethane	11.23	107	226067	24.192	ug/L	96
52) Chlorobenzene	11.65	112	815749	24.000	ug/L	98
53) Ethylbenzene	11.73	91	1505317	24.936	ug/L	100
54) m,p-Xylene	11.84	106	556985	25.213	ug/L	97
55) o-xylene	12.16	106	527023	25.608	ug/L	98
56) Styrene	12.18	104	904522	25.810	ug/L	99
57) Isopropylbenzene	12.46	105	1442131	25.913	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	314799	24.129	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	239569	23.986	ug/L	98
62) Bromoform	12.35	173	142143	22.955	ug/L	97
63) 1,3-Dichlorobenzene	13.49	146	607095	24.162	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	612023	24.165	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	558665	24.422	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	50793	22.749	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	440789	24.759	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	354136	25.461	ug/L	98
69) Naphthalene	15.36	128	781779	27.703	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	336617	26.188	ug/L	99

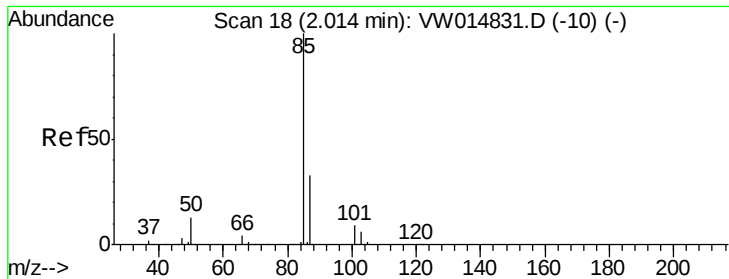
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 19.962 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW014852.D

Acq: 04 Feb 2020 09:36

Instrument :

MSVOA_W

ClientSampleId :

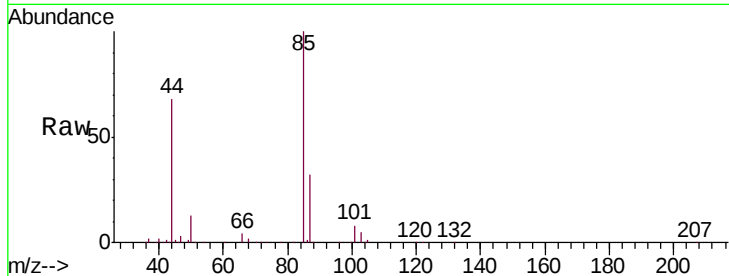
BFB27

Tgt Ion: 85 Resp: 222033

Ion Ratio Lower Upper

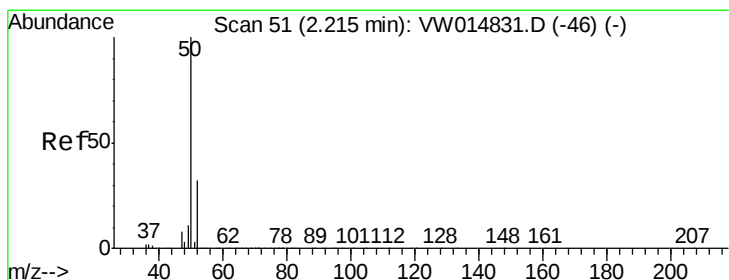
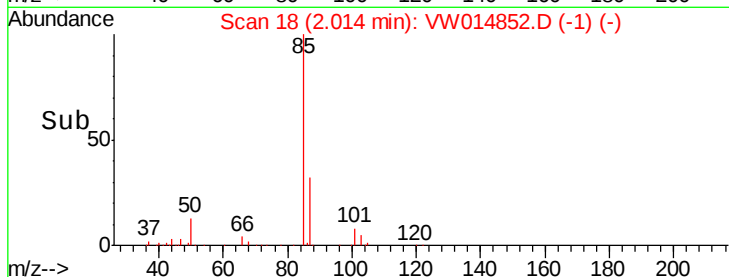
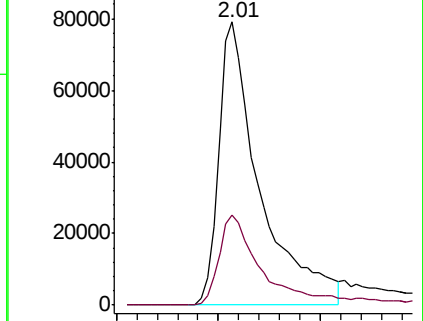
85 100

87 31.6 21.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.821 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014852.D

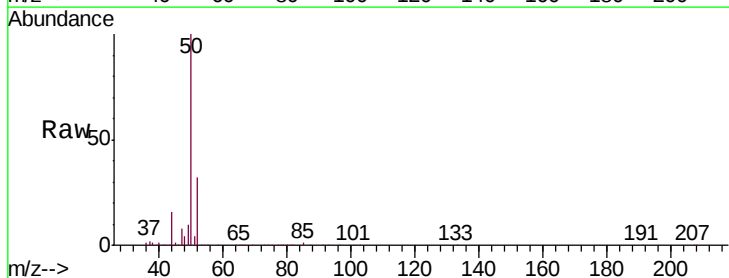
Acq: 04 Feb 2020 09:36

Tgt Ion: 50 Resp: 332701

Ion Ratio Lower Upper

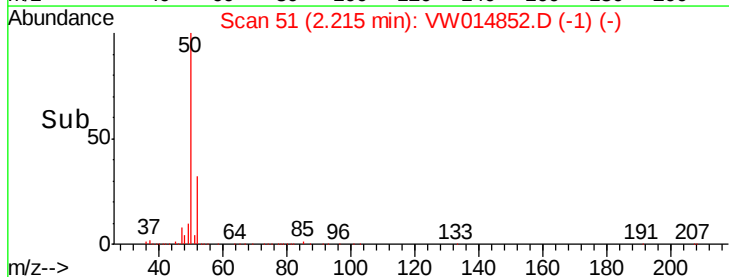
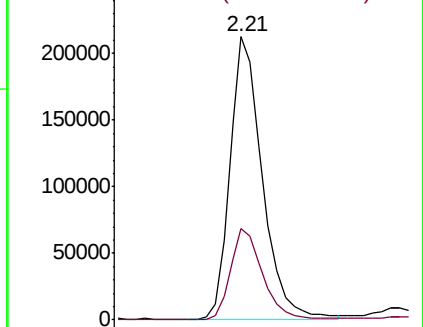
50 100

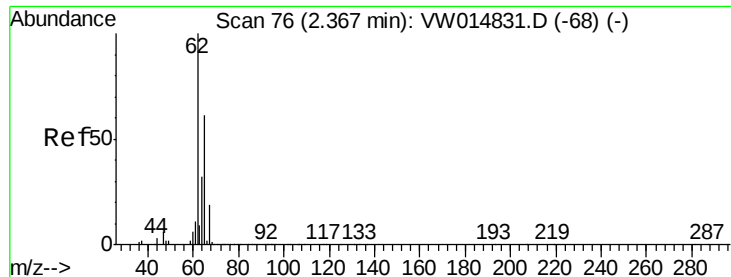
52 32.1 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 29.482 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW014852.D

Acq: 04 Feb 2020 09:36

Instrument :

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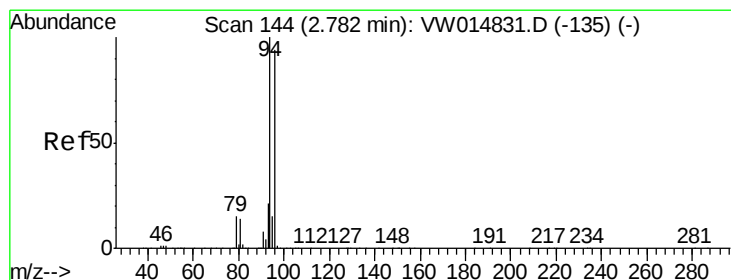
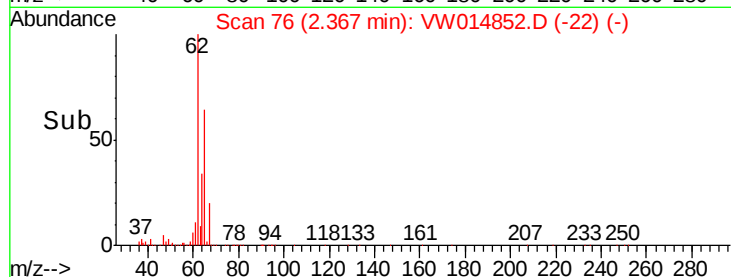
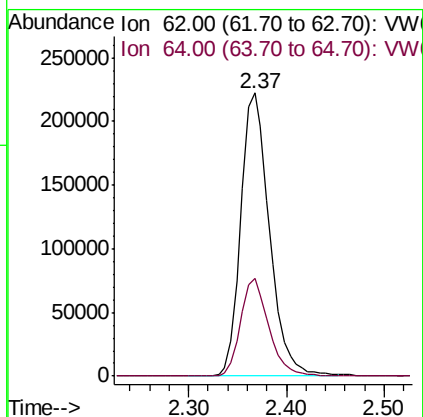
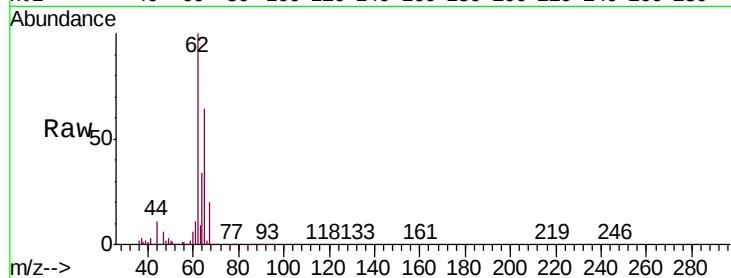
BFB27

Tgt Ion: 62 Resp: 451843

Ion Ratio Lower Upper

62 100

64 34.5 23.2 43.0



#6

Bromomethane

Concen: 24.188 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW014852.D

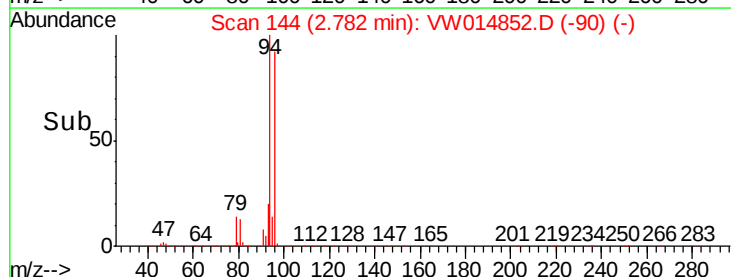
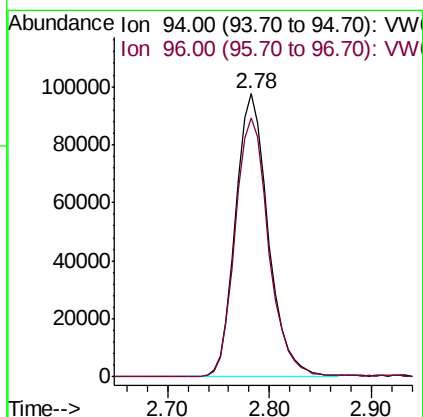
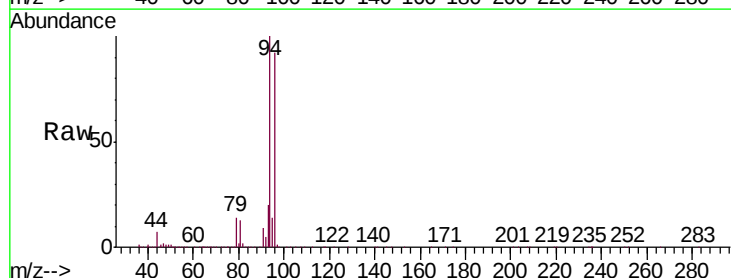
Acq: 04 Feb 2020 09:36

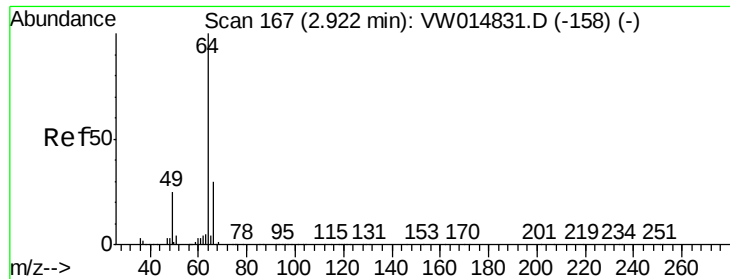
Tgt Ion: 94 Resp: 216935

Ion Ratio Lower Upper

94 100

96 93.7 9.5 179.9





#8

Chloroethane

Concen: 24.469 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW014852.D

Acq: 04 Feb 2020 09:36

Instrument :

MSVOA_W

ClientSampleId :

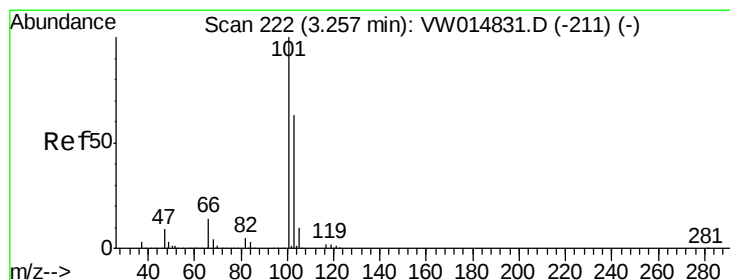
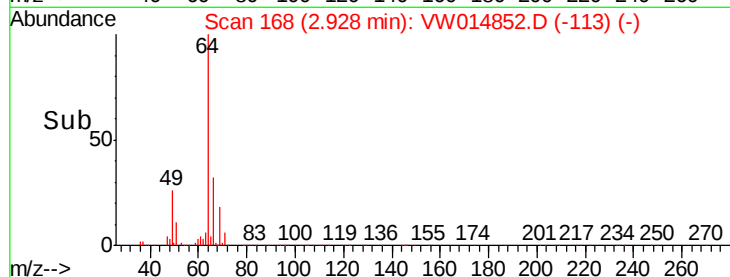
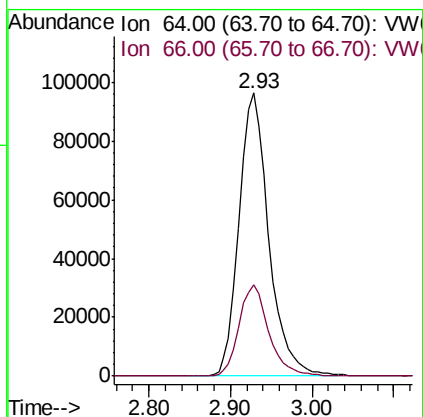
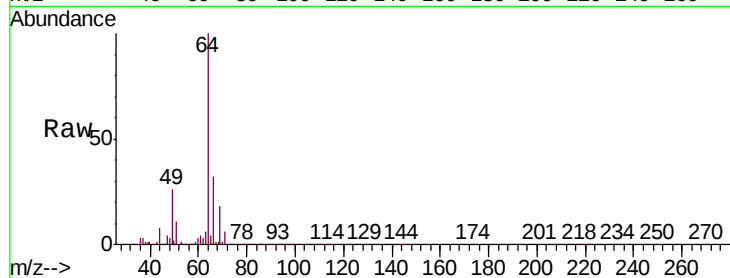
BFB27

Tgt Ion: 64 Resp: 243485

Ion Ratio Lower Upper

64 100

66 32.2 22.5 41.7



#9

Trichlorofluoromethane

Concen: 21.238 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW014852.D

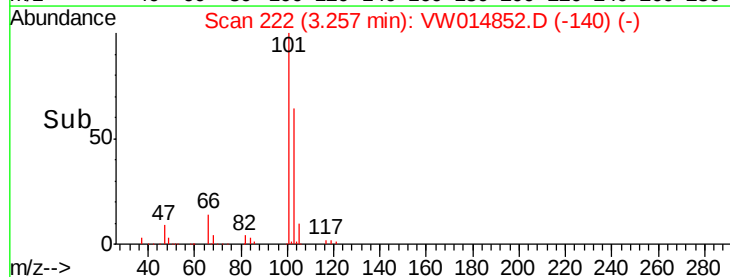
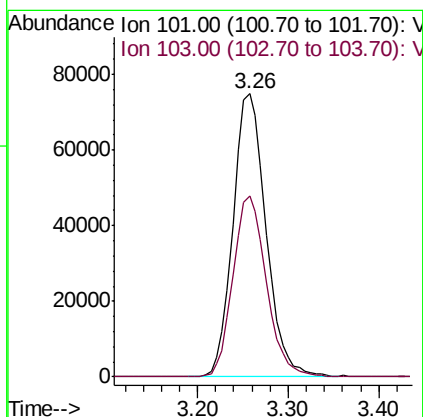
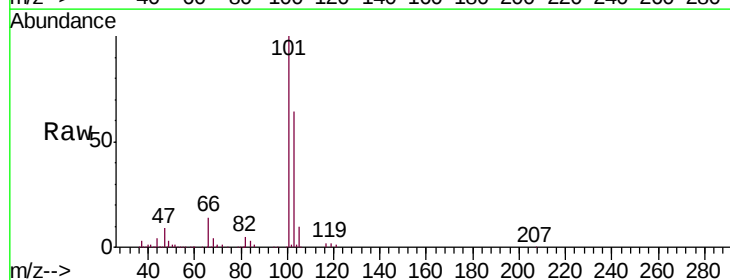
Acq: 04 Feb 2020 09:36

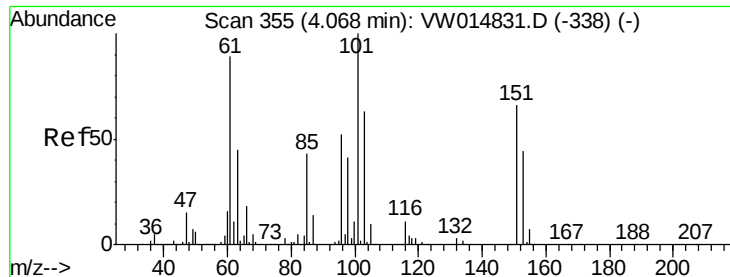
Tgt Ion: 101 Resp: 189502

Ion Ratio Lower Upper

101 100

103 64.5 45.4 84.4





#11

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

Concen: 24.173 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW014852.D

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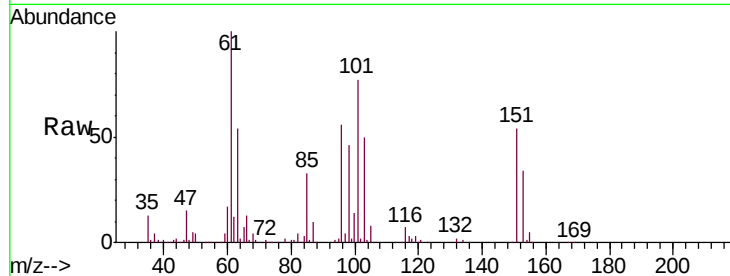
Tgt Ion: 101 Resp: 330595

Ion Ratio Lower Upper

101 100

85 42.7 34.9 52.3

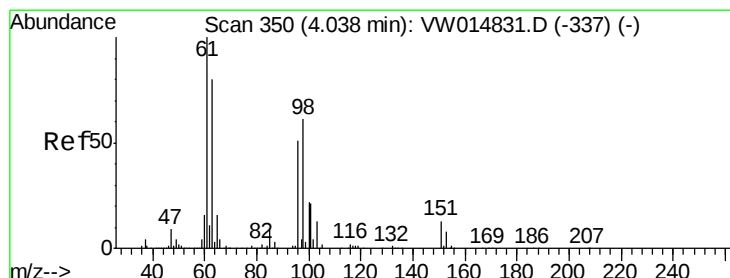
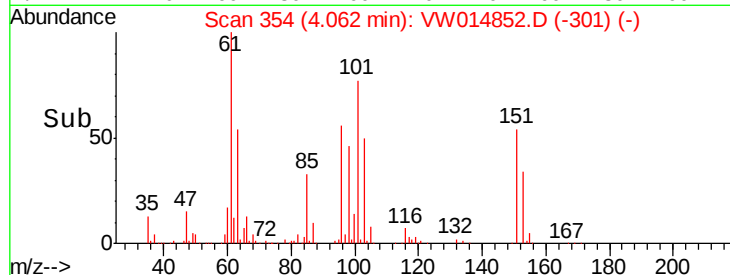
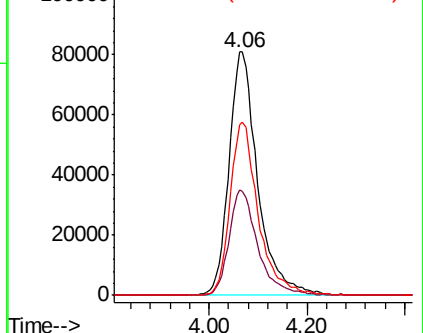
151 68.1 55.2 82.8



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: 24.586 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014852.D

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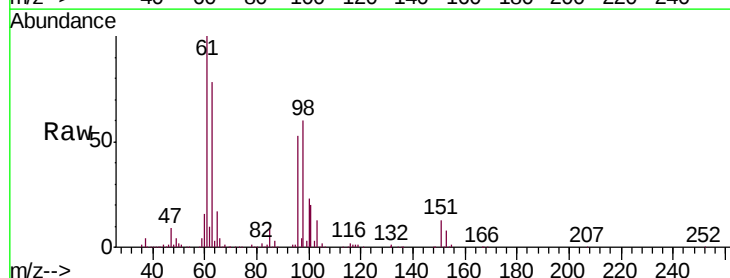
Tgt Ion: 96 Resp: 317116

Ion Ratio Lower Upper

96 100

61 190.4 131.5 244.3

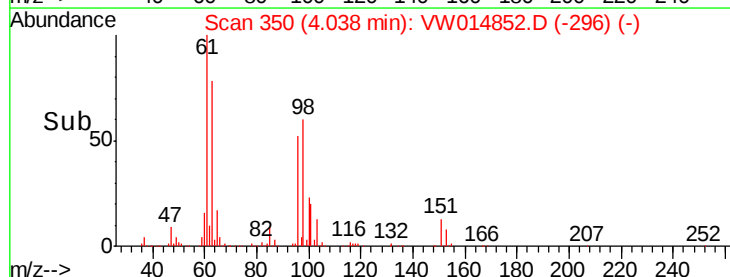
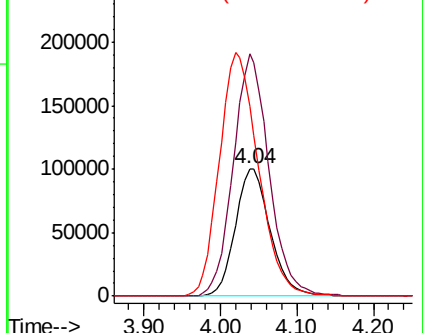
63 148.8 98.8 183.4

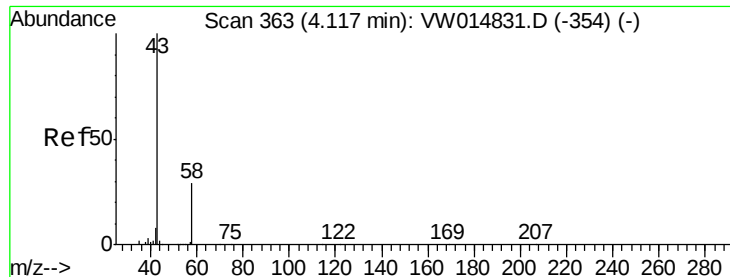


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 36.548 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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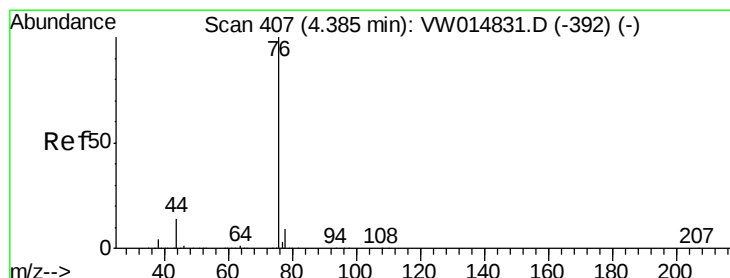
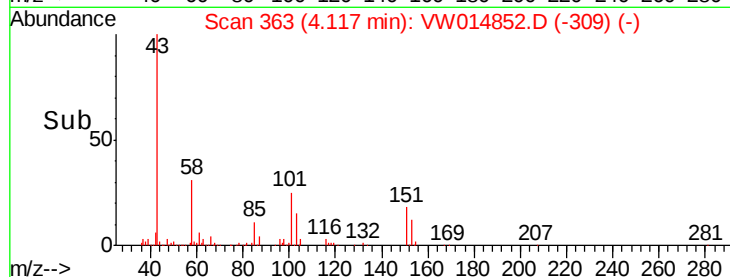
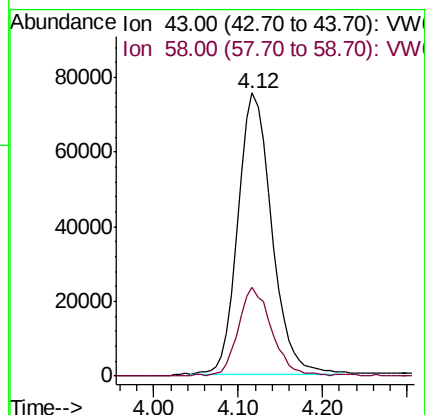
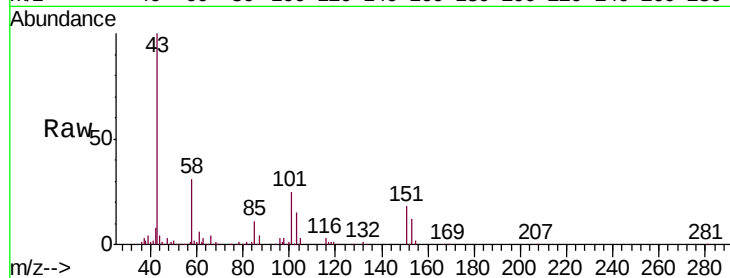
BFB27

Tgt Ion: 43 Resp: 205496

Ion Ratio Lower Upper

43 100

58 30.9 0.0 60.2



#14

Carbon disulfide

Concen: 24.460 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

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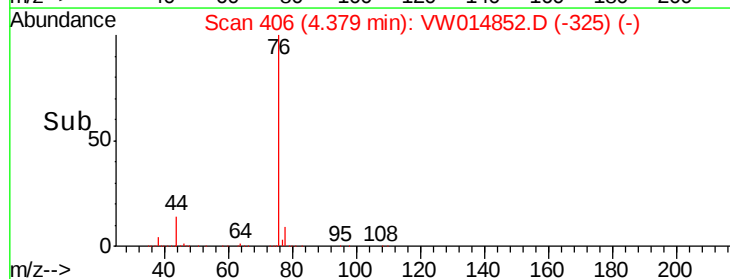
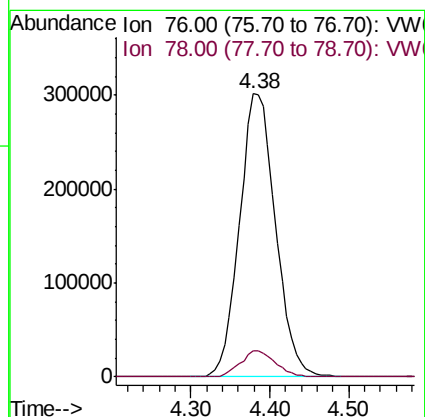
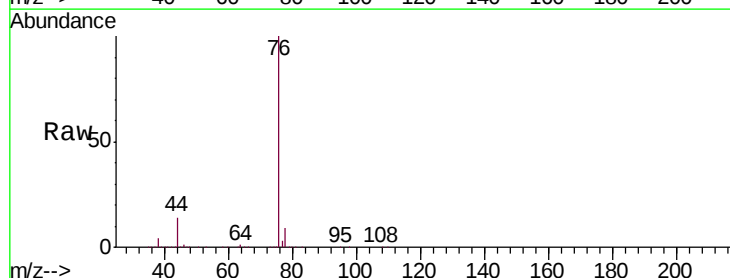
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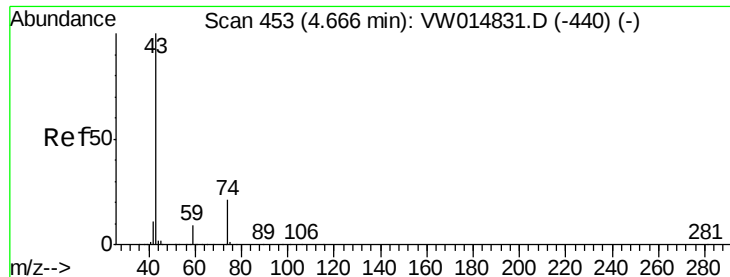
Tgt Ion: 76 Resp: 957568

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

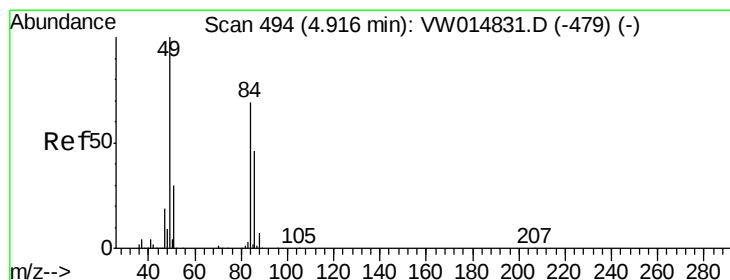
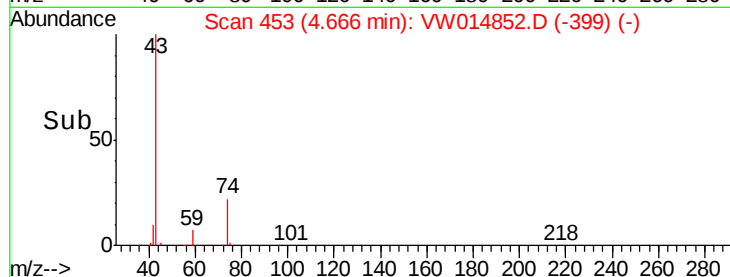
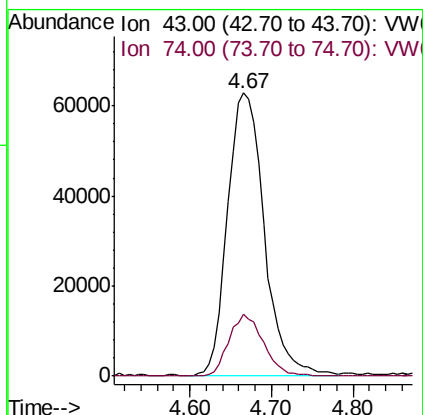
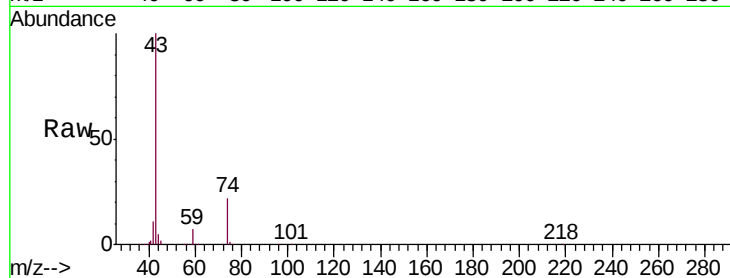




#15
Methyl Acetate
Concen: 23.126 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW014852.D
Acq: 04 Feb 2020 09:36

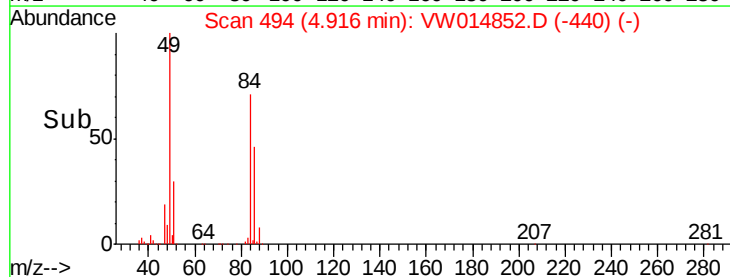
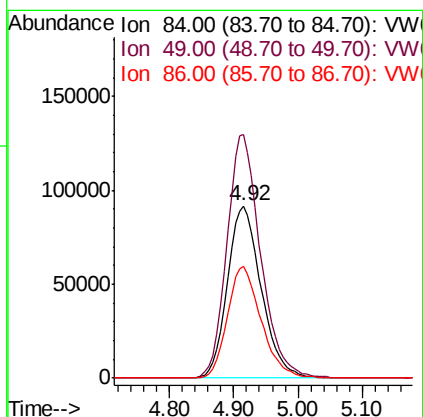
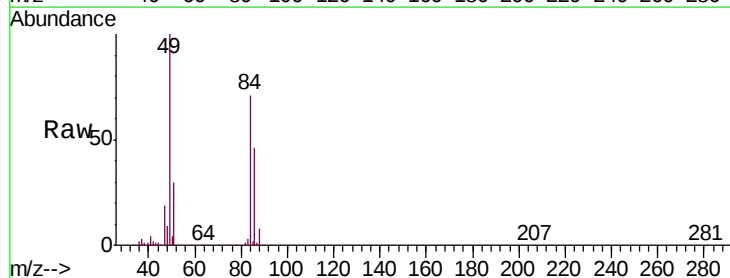
Instrument :
MSVOA_W
ClientSampleId :
BFB27

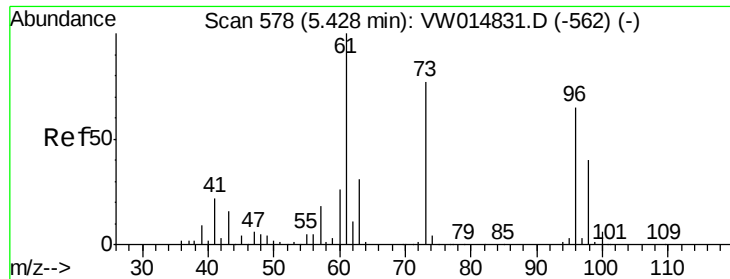
Tgt Ion: 43 Resp: 194601
Ion Ratio Lower Upper
43 100
74 20.8 16.3 24.5



#16
Methylene chloride
Concen: 20.625 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW014852.D
Acq: 04 Feb 2020 09:36

Tgt Ion: 84 Resp: 336353
Ion Ratio Lower Upper
84 100
49 141.4 96.6 179.4
86 64.7 43.8 81.4

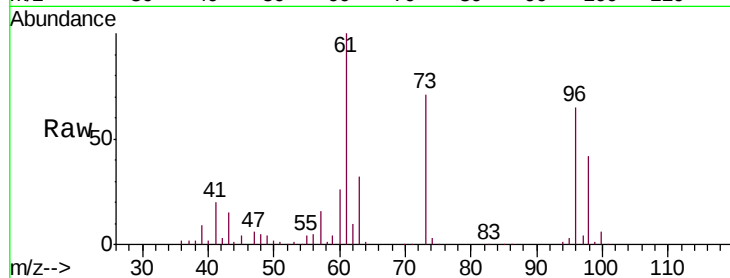




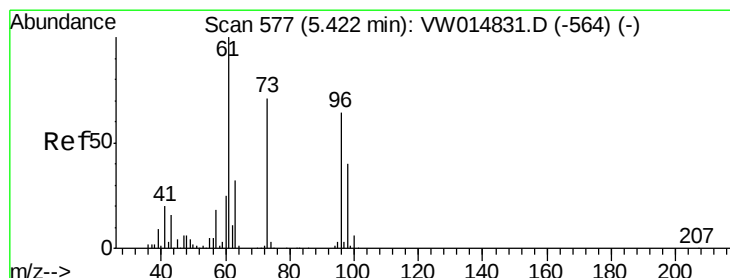
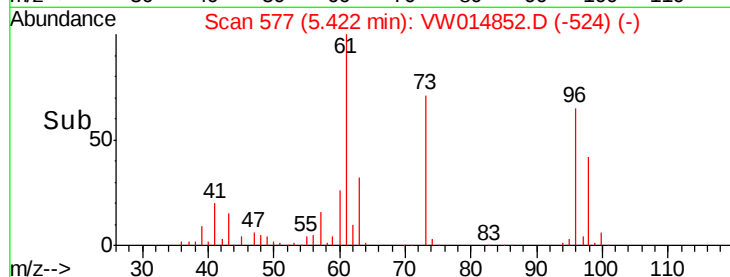
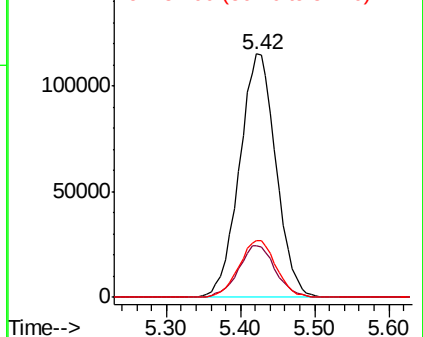
#17
Methyl tert-butyl Ether
Concen: 24.178 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW014852.D
Acq: 04 Feb 2020 09:36

Instrument :
MSVOA_W
ClientSampled :
BFB27

Tgt Ion: 73 Resp: 395763
Ion Ratio Lower Upper
73 100
43 21.2 17.6 26.4
57 23.8 19.8 29.6

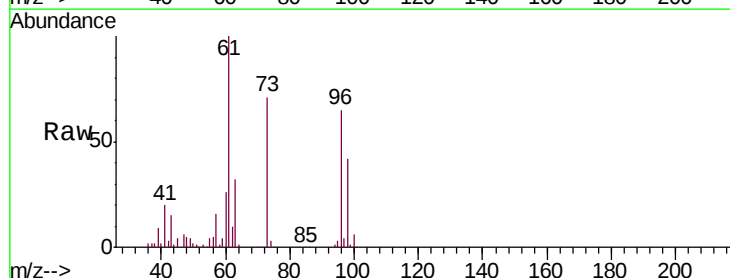


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

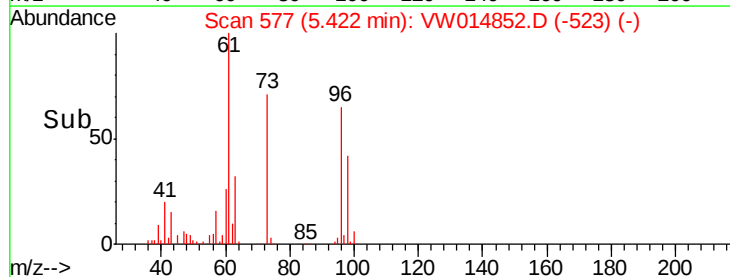
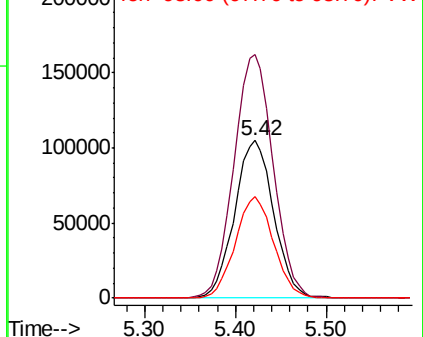


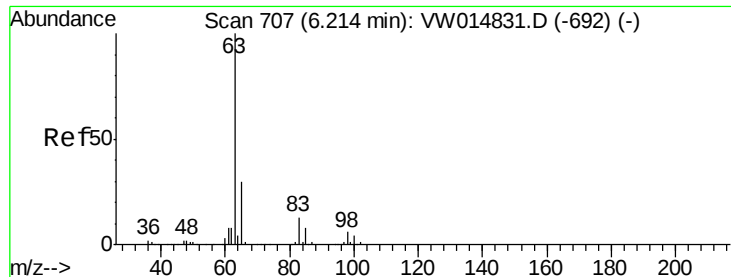
#18
trans-1,2-Dichloroethene
Concen: 23.714 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014852.D
Acq: 04 Feb 2020 09:36

Tgt Ion: 96 Resp: 313891
Ion Ratio Lower Upper
96 100
61 154.8 106.3 197.3
98 64.3 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW

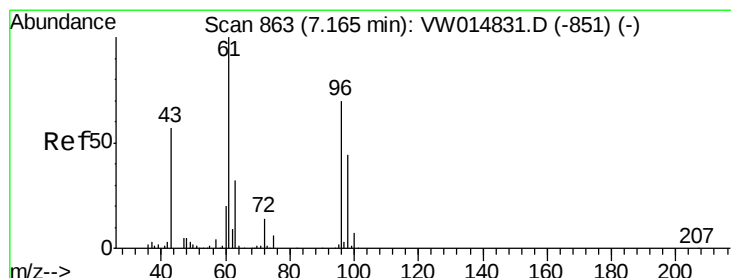
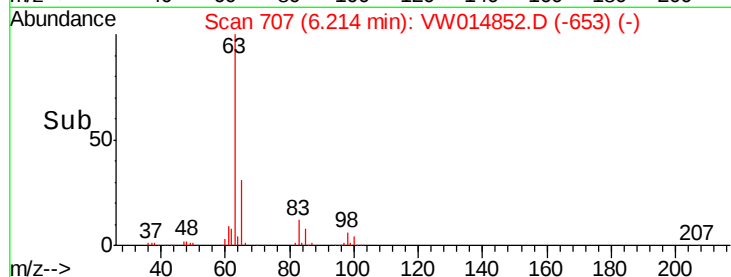
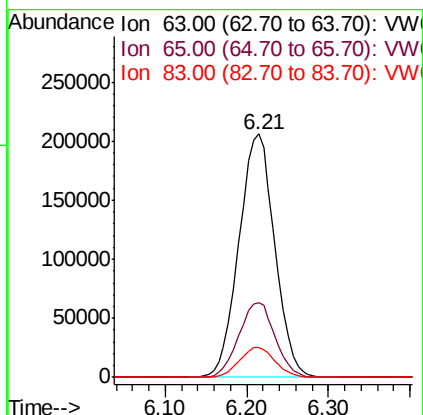
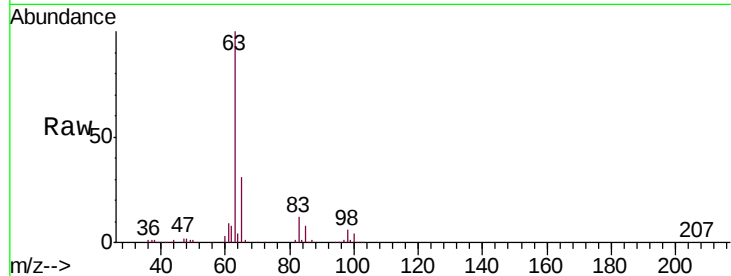




#19
 1,1-Dichloroethane
 Concen: 23.368 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW014852.D
 Acq: 04 Feb 2020 09:36

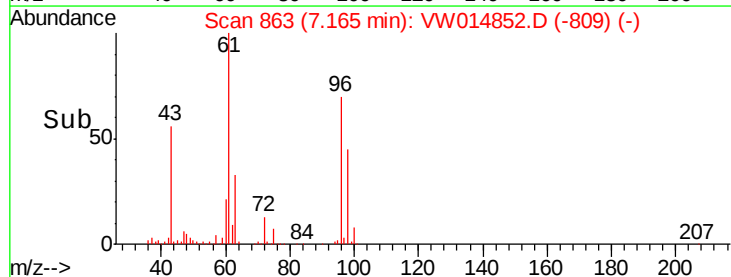
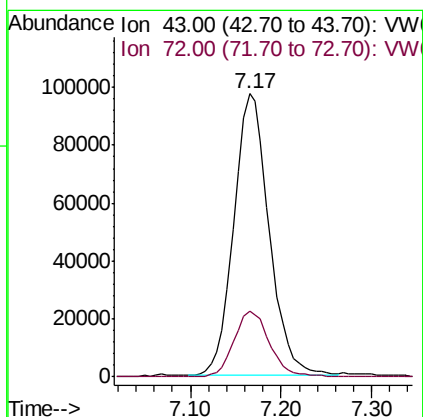
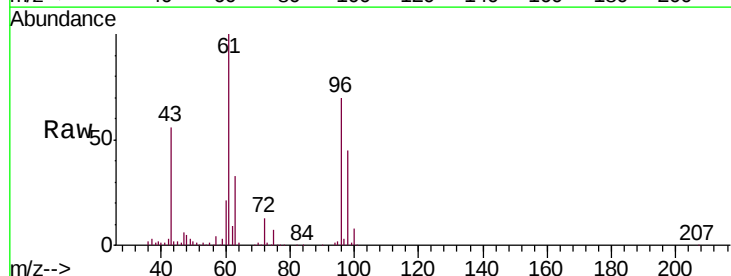
Instrument :
 MSVOA_W
 ClientSampled :
 BFB27

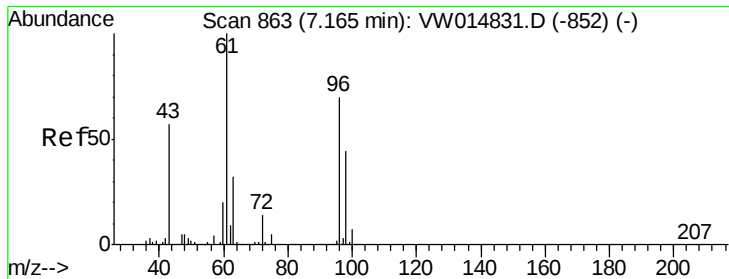
Tgt Ion: 63 Resp: 628055
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.0 42.6
 83 12.5 9.0 16.6



#21
 2-Butanone
 Concen: 43.690 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014852.D
 Acq: 04 Feb 2020 09:36

Tgt Ion: 43 Resp: 263614
 Ion Ratio Lower Upper
 43 100
 72 23.5 11.7 35.0



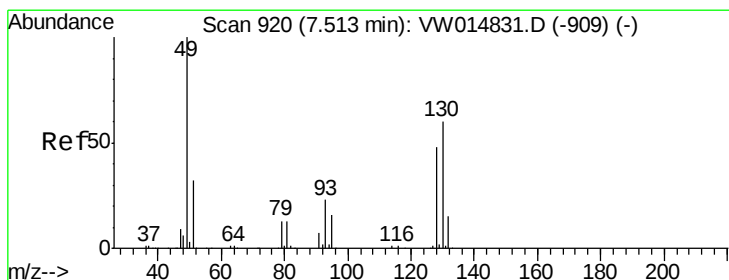
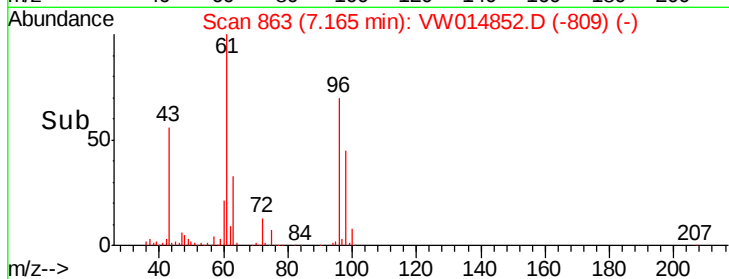
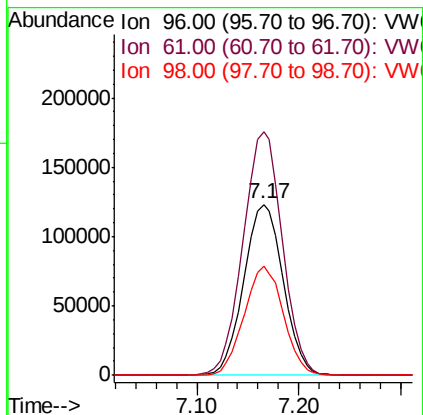
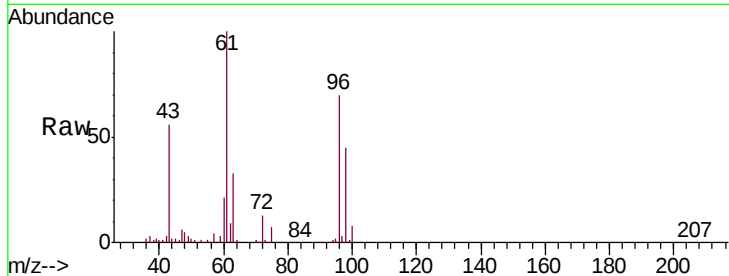


#22

cis-1,2-Dichloroethene
 Concen: 24.243 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014852.D
 Acq: 04 Feb 2020 09:36

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB27

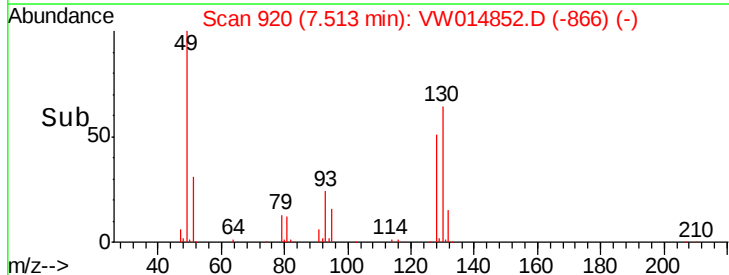
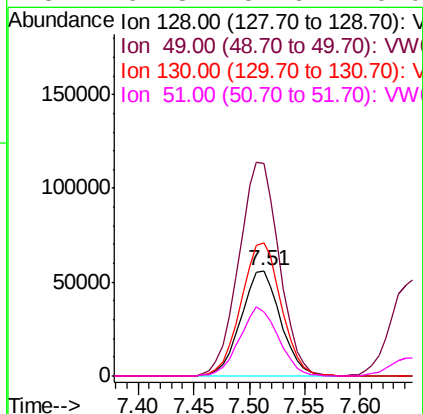
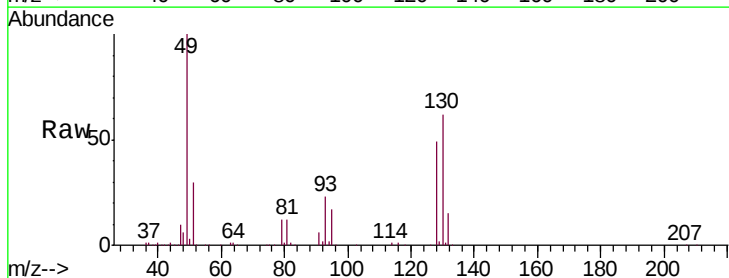
Tgt Ion: 96 Resp: 331680
 Ion Ratio Lower Upper
 96 100
 61 142.4 100.6 186.8
 98 63.9 44.0 81.8

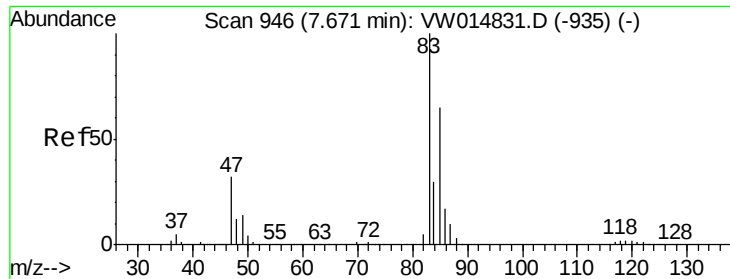


#23

Bromochloromethane
 Concen: 23.689 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW014852.D
 Acq: 04 Feb 2020 09:36

Tgt Ion: 128 Resp: 138589
 Ion Ratio Lower Upper
 128 100
 49 202.6 150.7 279.9
 130 126.2 90.6 168.3
 51 61.3 52.6 79.0





#25

Chloroform

Concen: 23.438 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014852.D

Acq: 04 Feb 2020 09:36

Instrument :

MSVOA_W

ClientSampleId :

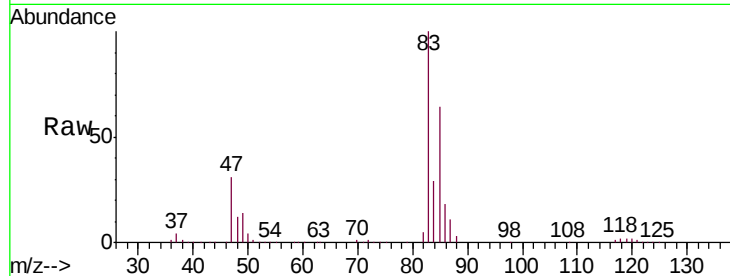
BFB27

Tgt Ion: 83 Resp: 575106

Ion Ratio Lower Upper

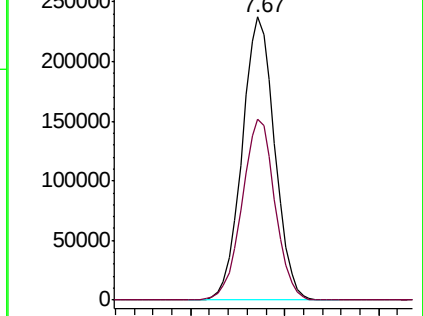
83 100

85 64.9 45.4 84.2

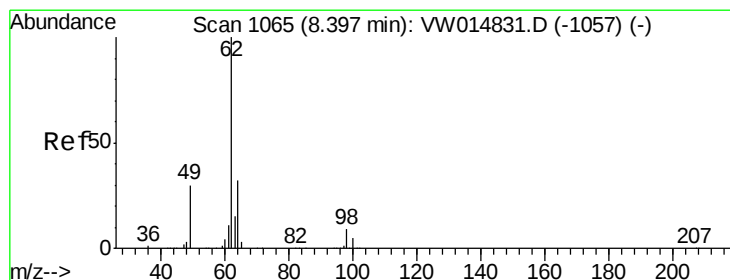
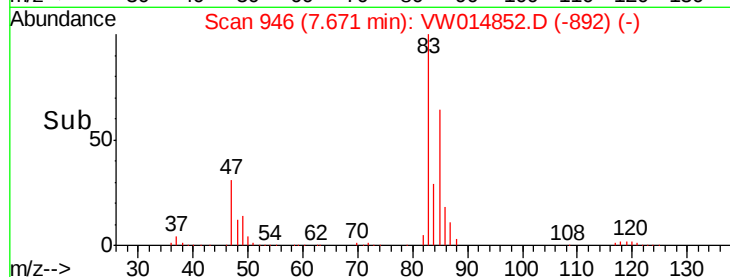


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



Time-->



#27

1,2-Dichloroethane

Concen: 23.272 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014852.D

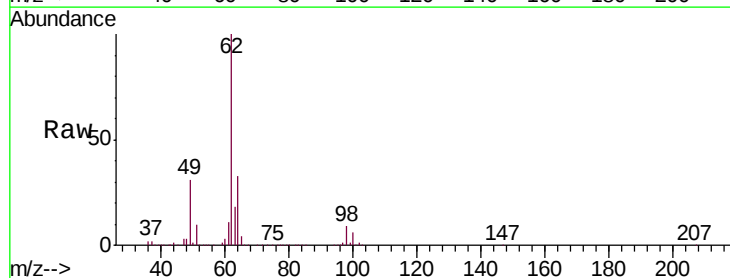
Acq: 04 Feb 2020 09:36

Tgt Ion: 62 Resp: 398955

Ion Ratio Lower Upper

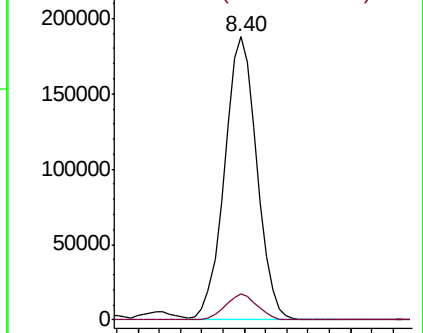
62 100

98 9.2 6.8 10.2

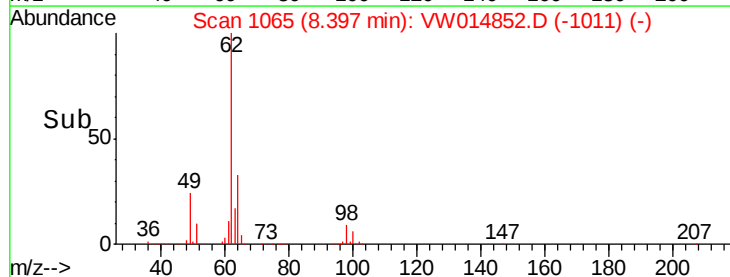


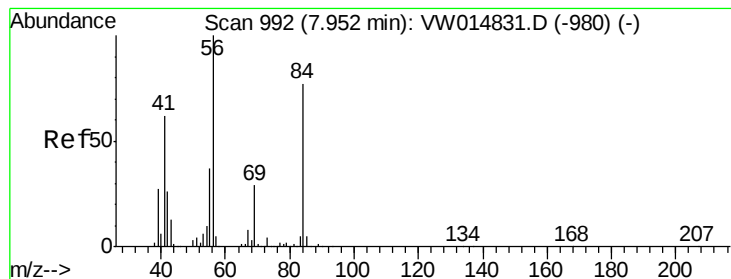
Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW



Time-->





#30

Cyclohexane

Concen: 25.675 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014852.D

Acq: 04 Feb 2020 09:36

Instrument :

MSVOA_W

ClientSampleId :

BFB27

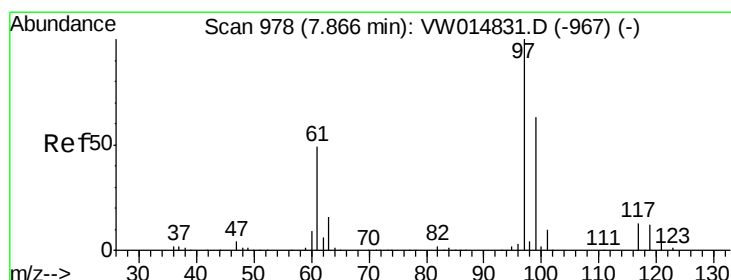
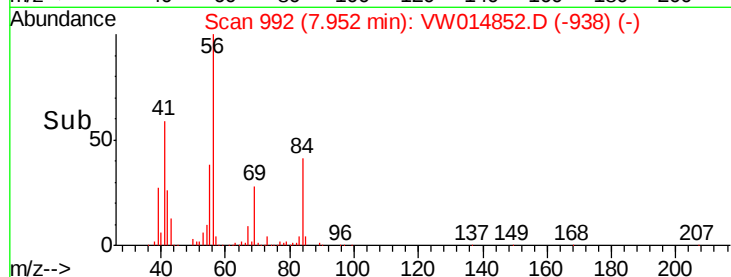
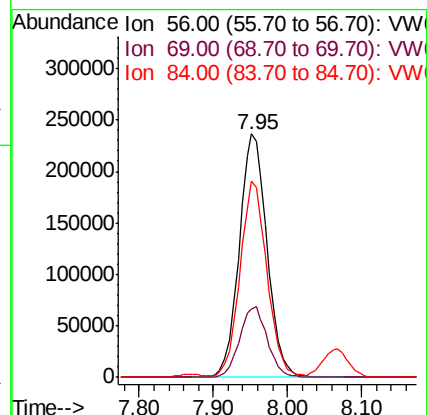
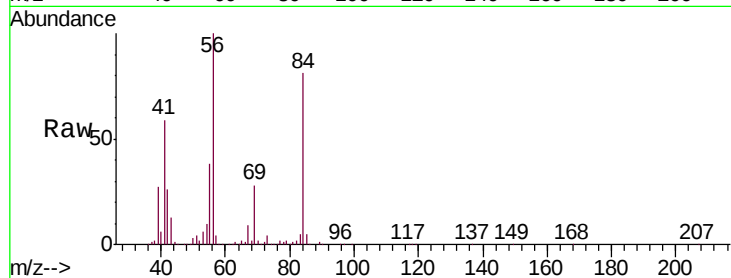
Tgt Ion: 56 Resp: 617120

Ion Ratio Lower Upper

56 100

69 29.1 22.6 33.8

84 78.8 62.2 93.4



#31

1,1,1-Trichloroethane

Concen: 23.723 ug/L

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW014852.D

Acq: 04 Feb 2020 09:36

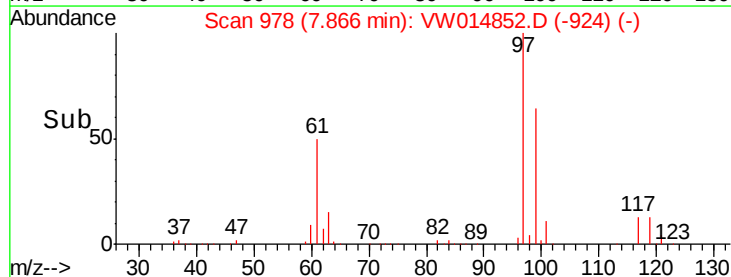
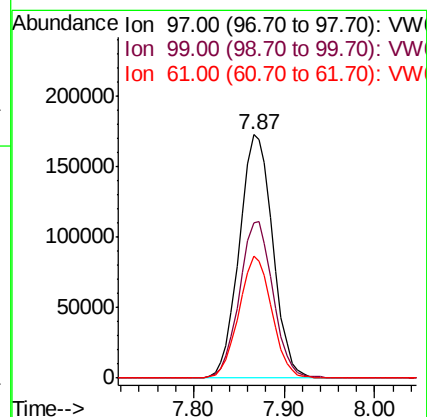
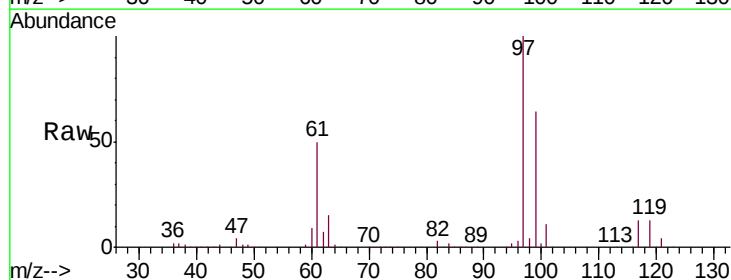
Tgt Ion: 97 Resp: 442736

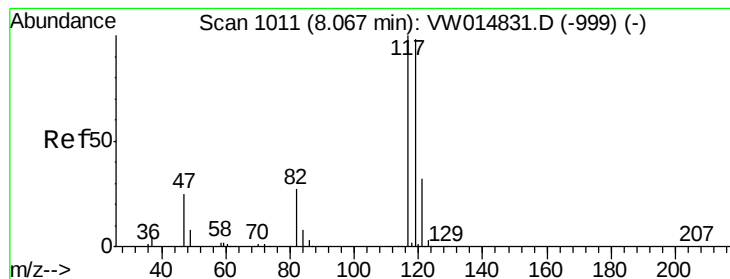
Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.0

61 49.5 39.0 58.4





#32

Carbon tetrachloride

Concen: 23.998 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW014852.D

Acq: 04 Feb 2020 09:36

Instrument :

MSVOA_W

ClientSampled :

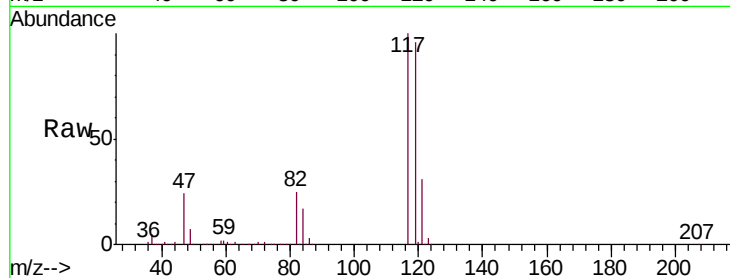
BFB27

Tgt Ion:117 Resp: 406848

Ion Ratio Lower Upper

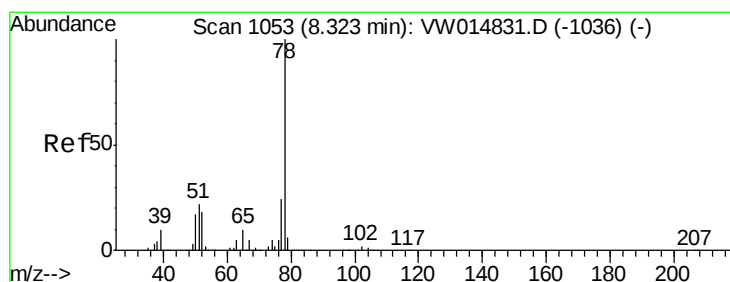
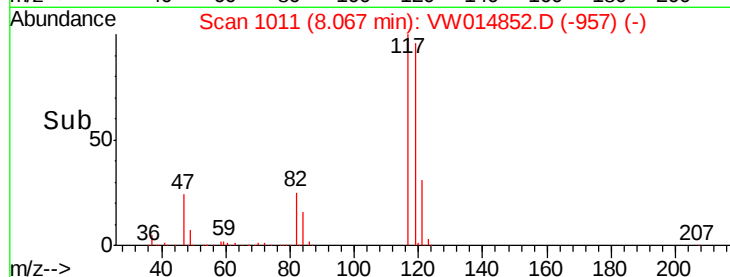
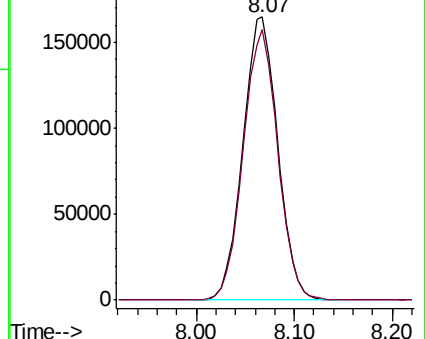
117 100

119 95.0 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: 24.275 ug/L

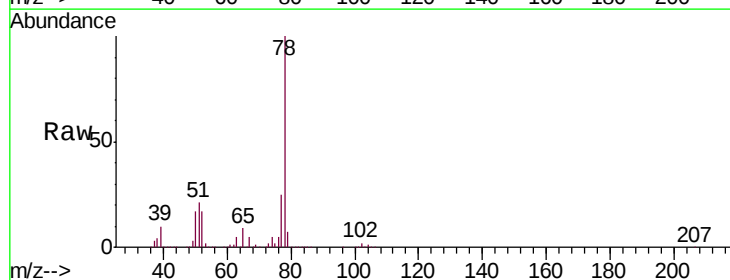
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

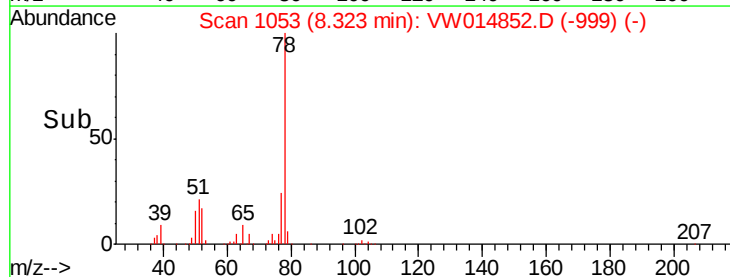
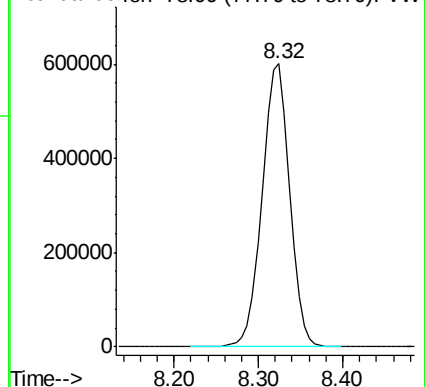
Lab File: VW014852.D

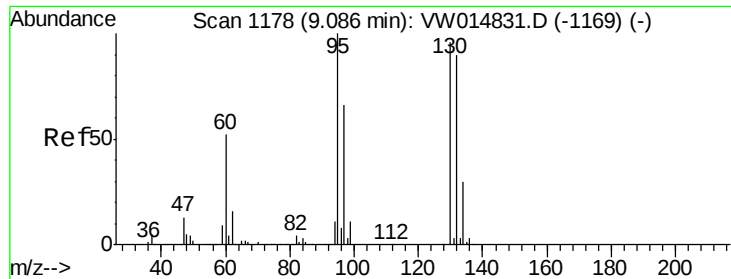
Acq: 04 Feb 2020 09:36

Tgt Ion: 78 Resp: 1351826



Abundance Ion 78.00 (77.70 to 78.70): VW

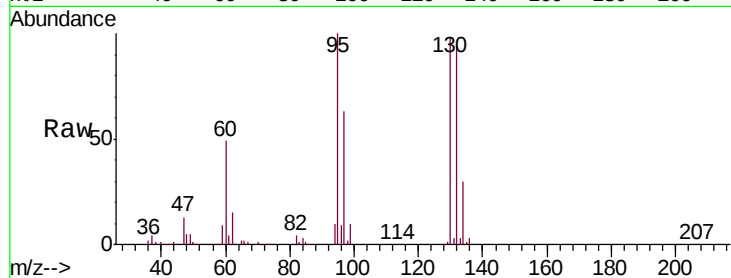




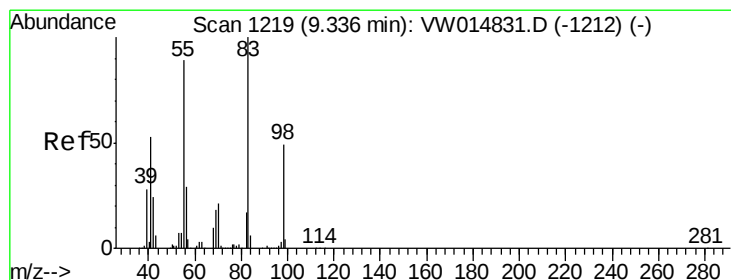
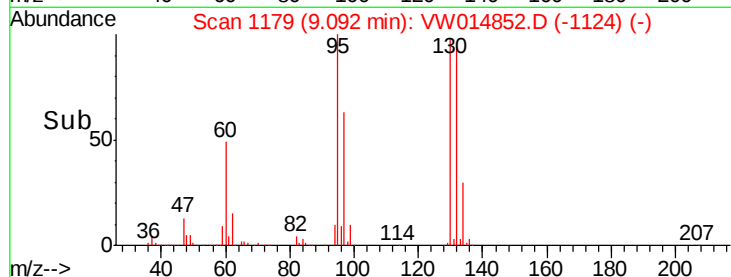
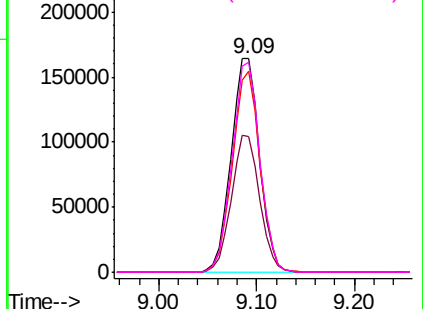
#35
 Trichloroethene
 Concen: 24.050 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW014852.D
 Acq: 04 Feb 2020 09:36

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB27

Tgt Ion:	95	Resp:	330758
Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.4	82.5
132	91.2	64.3	119.5
130	96.0	67.6	125.6

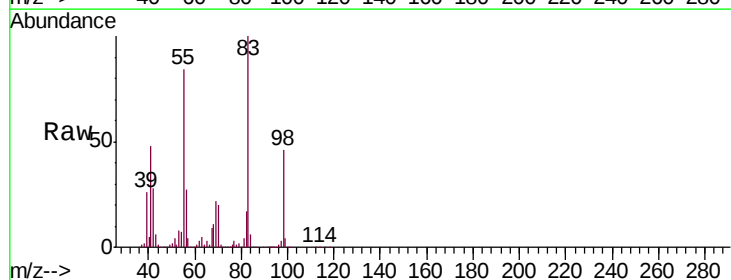


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

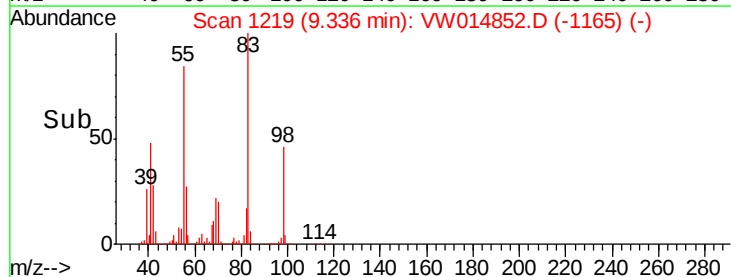
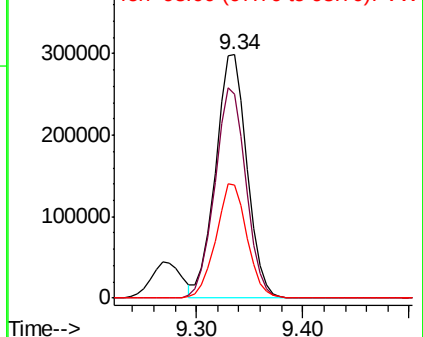


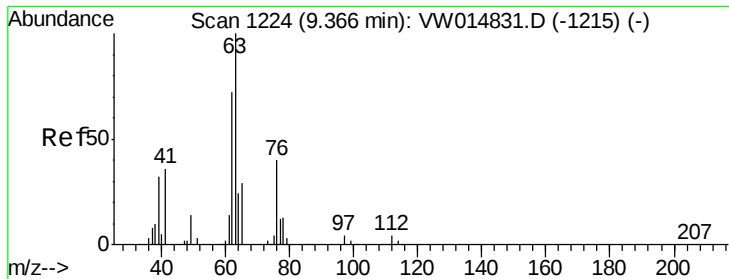
#36
 Methylcyclohexane
 Concen: 25.439 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW014852.D
 Acq: 04 Feb 2020 09:36

Tgt Ion:	83	Resp:	612748
Ion	Ratio	Lower	Upper
83	100		
55	85.2	71.0	106.6
98	46.4	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

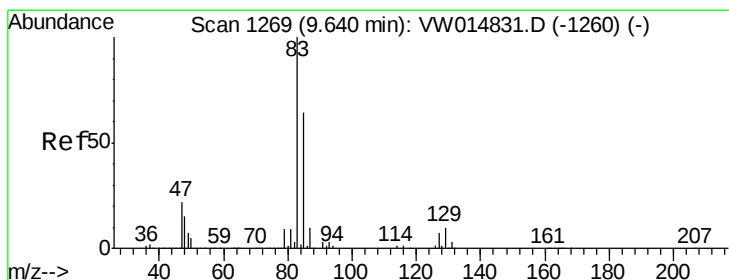
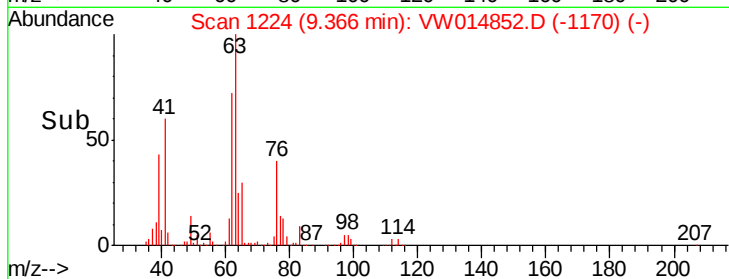
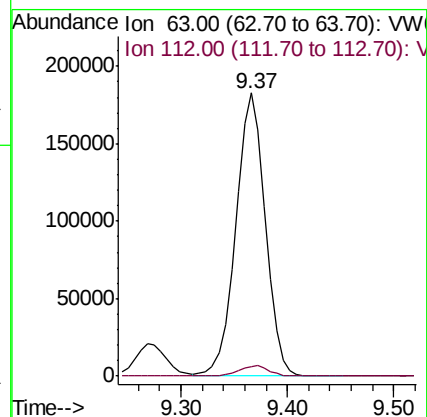
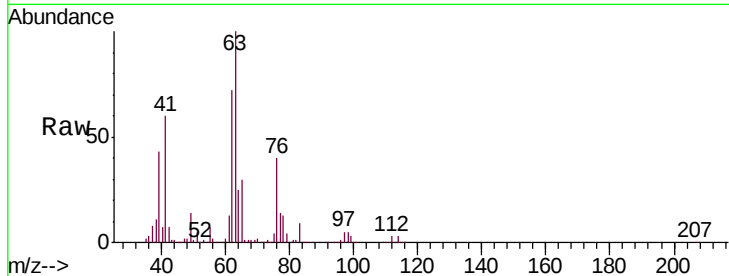




#40
 1,2-Dichloropropane
 Concen: 23.586 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014852.D
 Acq: 04 Feb 2020 09:36

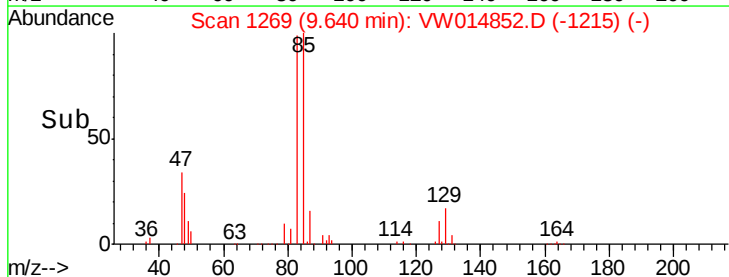
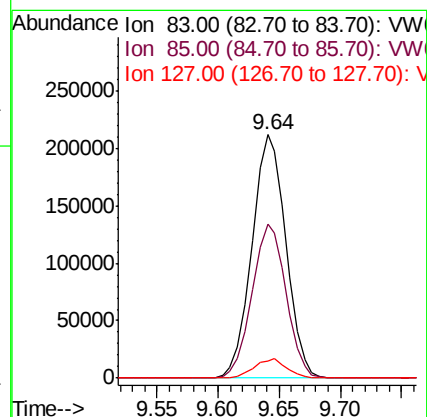
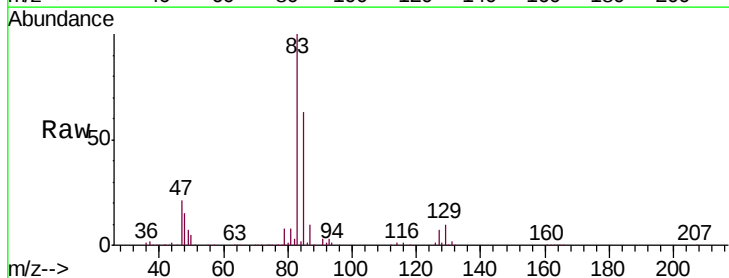
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB27

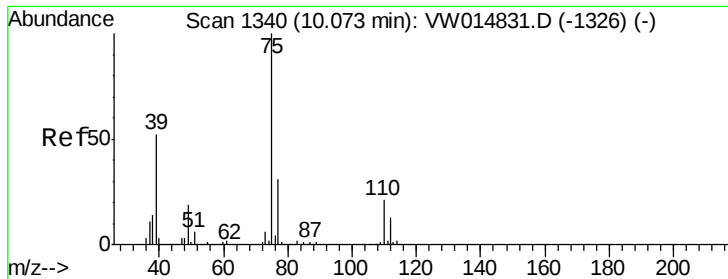
Tgt Ion: 63 Resp: 354228
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.2 4.8



#41
 Bromodichloromethane
 Concen: 23.718 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014852.D
 Acq: 04 Feb 2020 09:36

Tgt Ion: 83 Resp: 408189
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.2 82.0
 127 7.2 6.0 9.0





#42

cis-1,3-Dichloropropene

Concen: 24.497 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW014852.D

Acq: 04 Feb 2020 09:36

Instrument :

MSVOA_W

ClientSampleId :

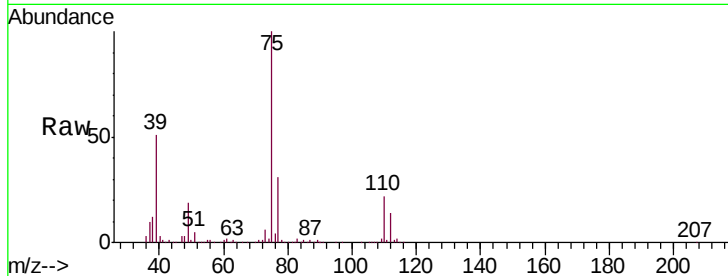
BFB27

Tgt Ion: 75 Resp: 512128

Ion Ratio Lower Upper

75 100

77 31.0 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

300000

250000

200000

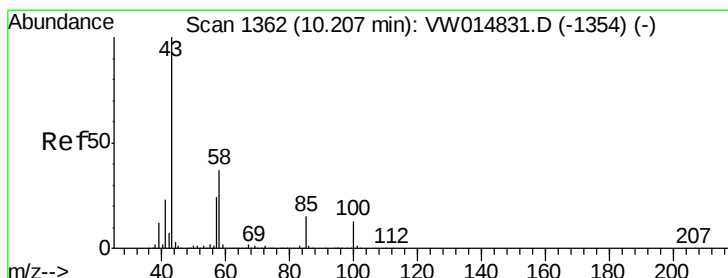
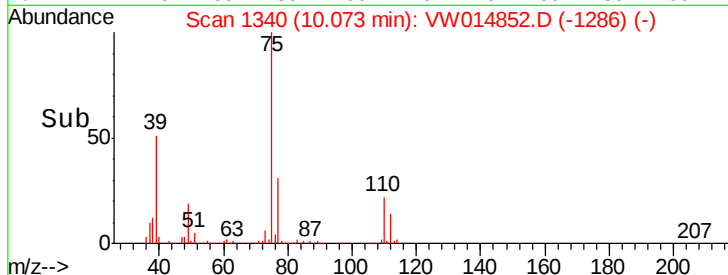
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 47.391 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014852.D

Acq: 04 Feb 2020 09:36

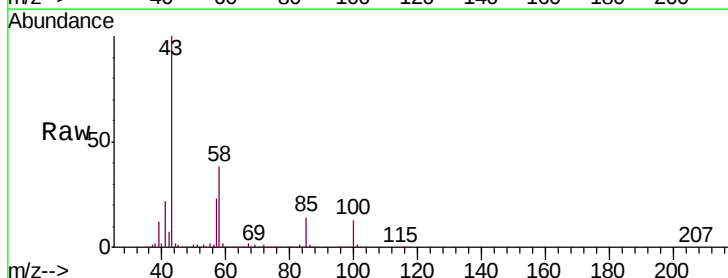
Tgt Ion: 43 Resp: 522620

Ion Ratio Lower Upper

43 100

58 37.1 29.3 43.9

100 13.4 10.2 15.4



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

500000

400000

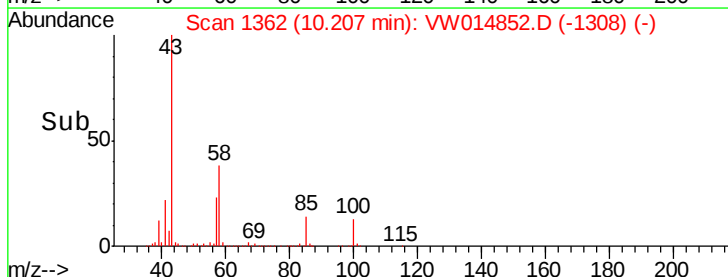
300000

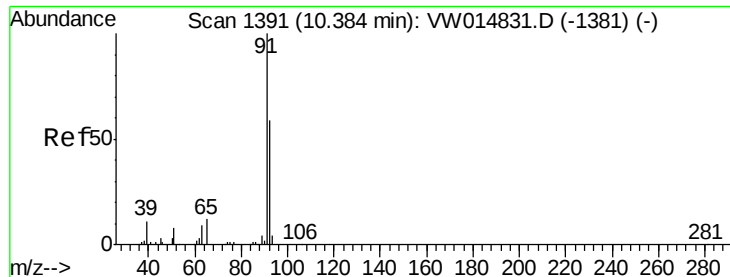
200000

100000

0

Time-->





#44

Toluene

Concen: 24.793 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014852.D

Acq: 04 Feb 2020 09:36

Instrument :

MSVOA_W

ClientSampled :

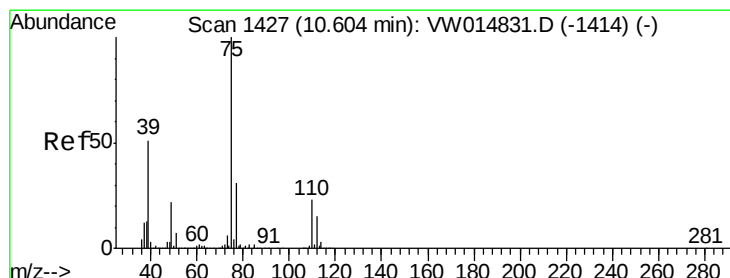
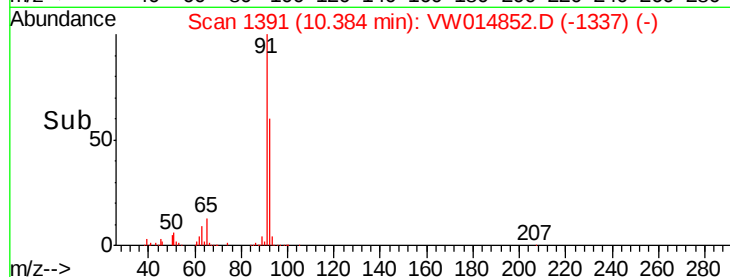
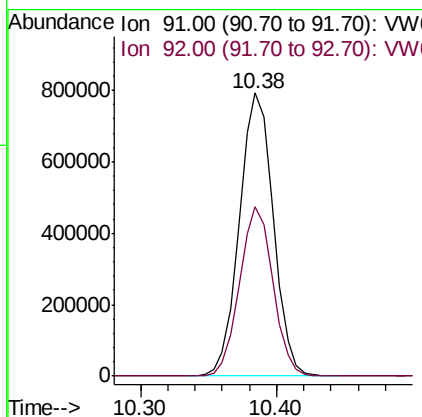
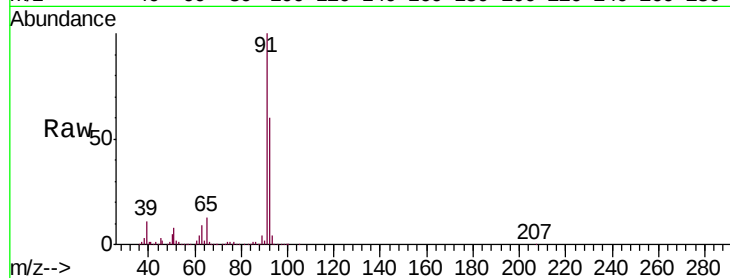
BFB27

Tgt Ion: 91 Resp: 1381335

Ion Ratio Lower Upper

91 100

92 60.1 41.6 77.2



#45

trans-1,3-Dichloropropene

Concen: 24.632 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014852.D

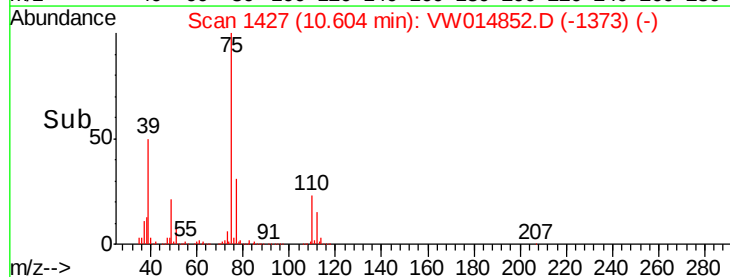
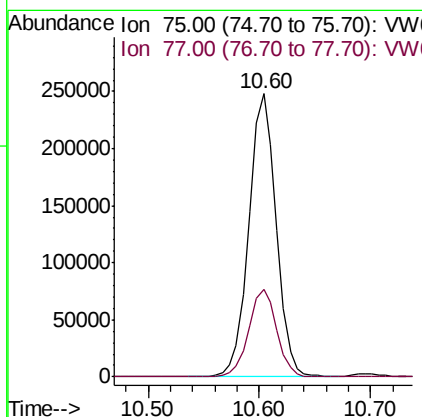
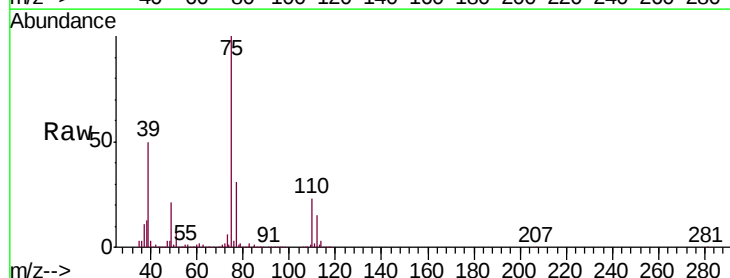
Acq: 04 Feb 2020 09:36

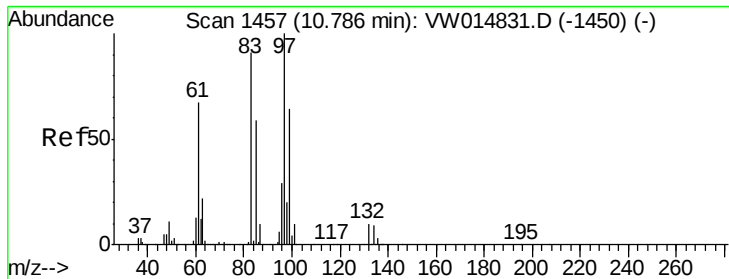
Tgt Ion: 75 Resp: 423744

Ion Ratio Lower Upper

75 100

77 30.9 22.7 42.1





#46

1,1,2-Trichloroethane

Concen: 24.436 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014852.D

Acq: 04 Feb 2020 09:36

Instrument :

MSVOA_W

ClientSampleId :

BFB27

Tgt Ion: 97 Resp: 242855

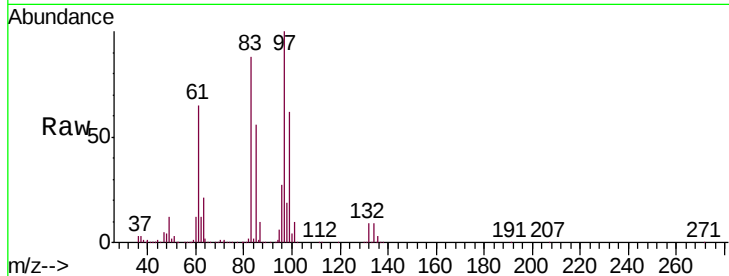
Ion Ratio Lower Upper

97 100

83 87.6 61.9 115.1

85 55.5 38.5 71.5

99 62.3 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

200000

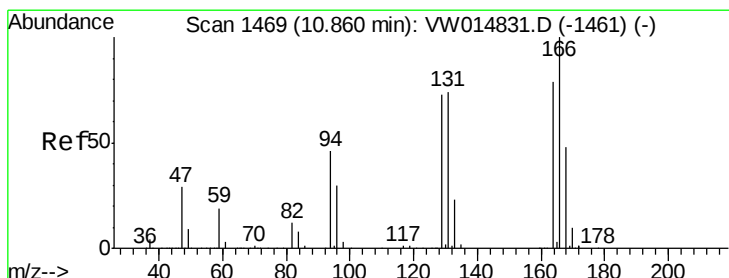
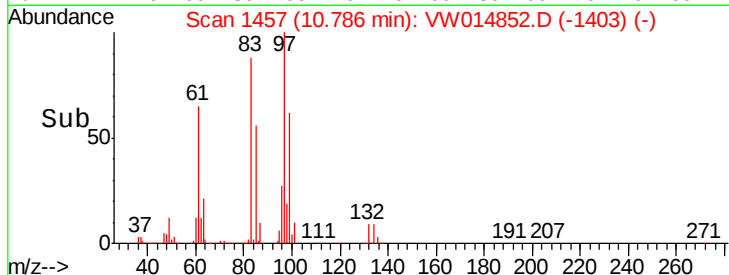
150000

100000

50000

0

Time-->



#47

Tetrachloroethene

Concen: 23.962 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014852.D

Acq: 04 Feb 2020 09:36

Tgt Ion: 164 Resp: 245848

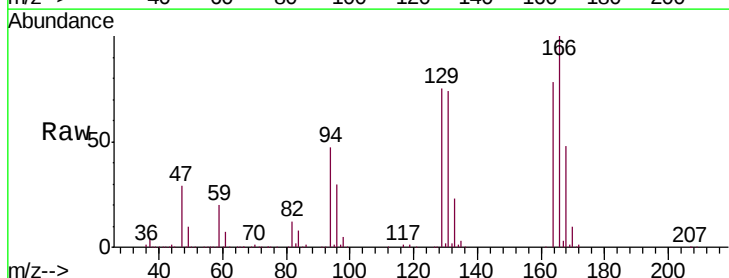
Ion Ratio Lower Upper

164 100

129 96.6 67.1 124.5

131 94.8 62.2 115.6

166 128.6 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

250000

200000

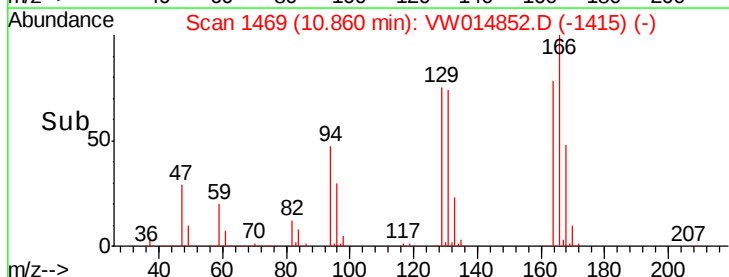
150000

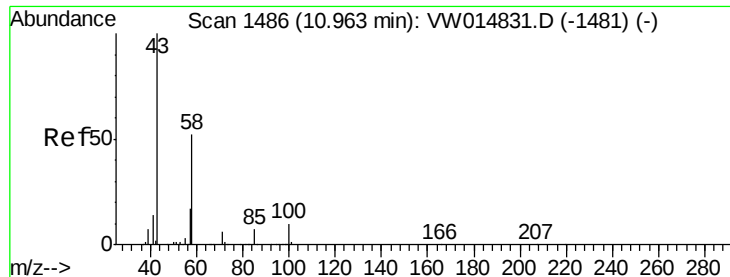
100000

50000

0

Time-->





#49

2-Hexanone

Concen: 49.827 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VW014852.D

Acq: 04 Feb 2020 09:36

Instrument :

MSVOA_W

ClientSampleId :

BFB27

Tgt Ion: 43 Resp: 379143

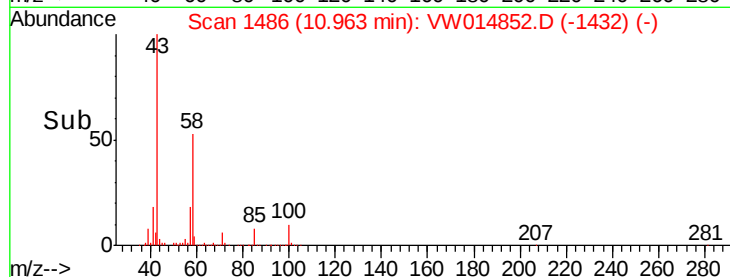
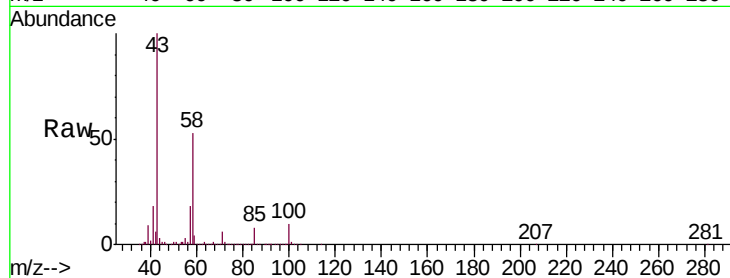
Ion Ratio Lower Upper

43 100

58 53.4 41.1 61.7

57 18.0 14.1 21.1

100 10.1 8.1 12.1

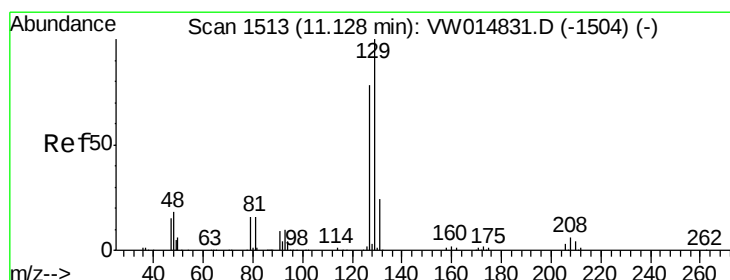
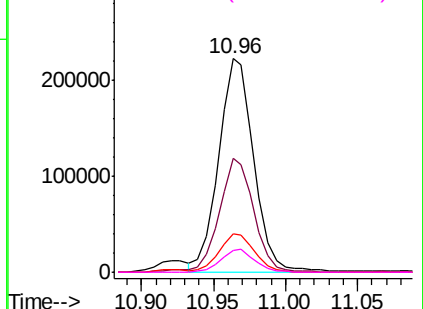


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 24.174 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW014852.D

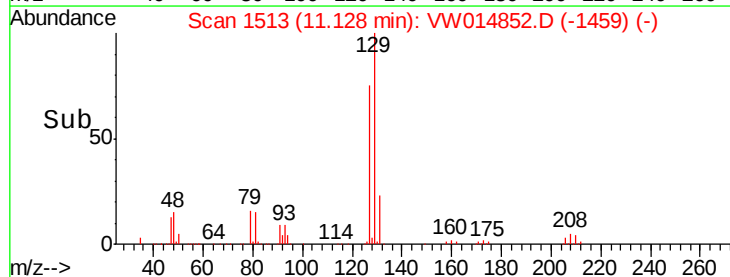
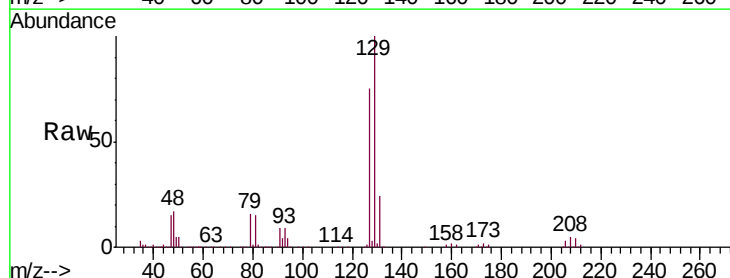
Acq: 04 Feb 2020 09:36

Tgt Ion: 129 Resp: 258288

Ion Ratio Lower Upper

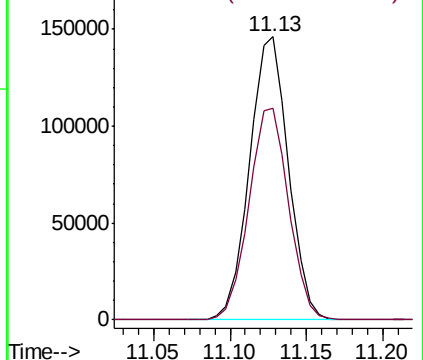
129 100

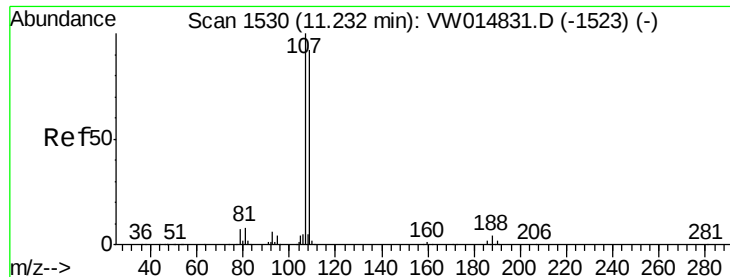
127 74.6 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

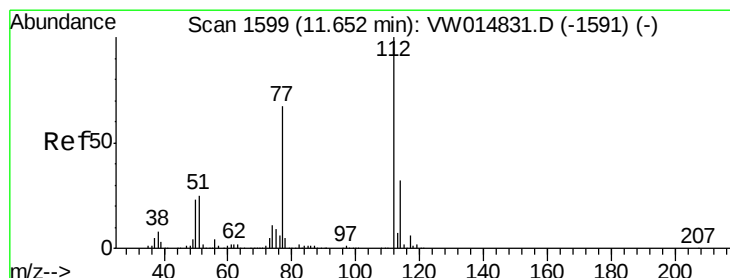
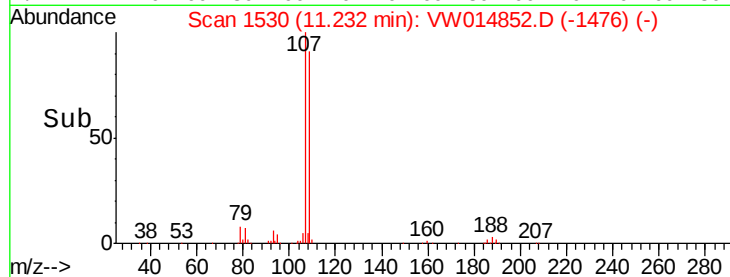
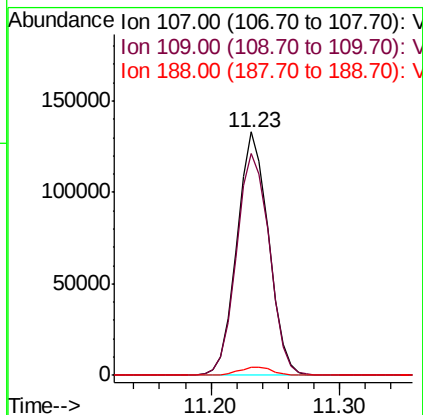
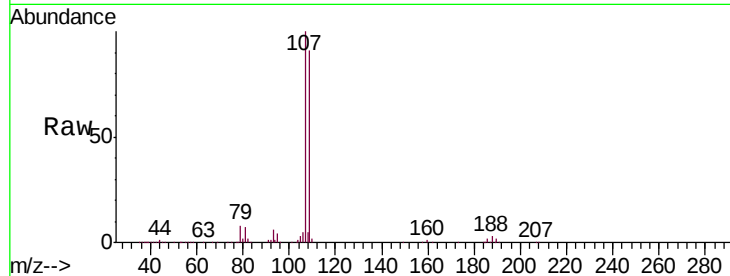




#51
1,2-Dibromoethane
Concen: 24.192 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014852.D
Acq: 04 Feb 2020 09:36

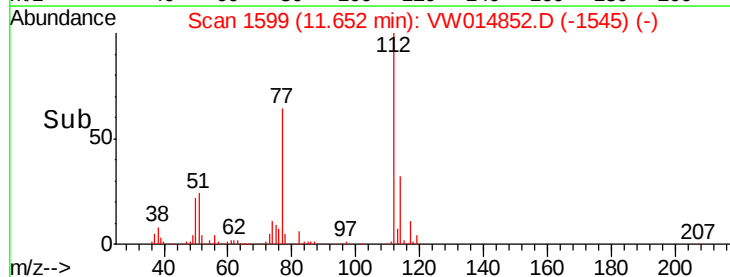
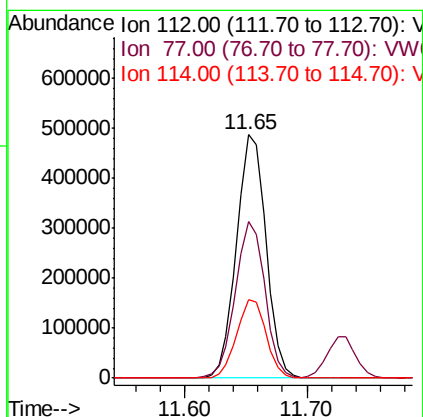
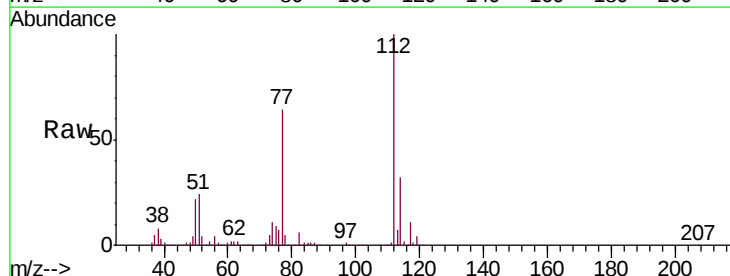
Instrument :
MSVOA_W
ClientSampleId :
BFB27

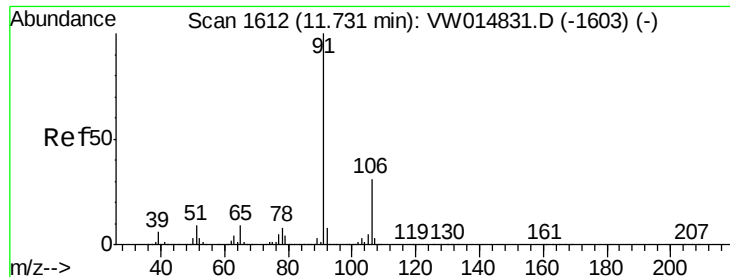
Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.3	66.6	123.8
188	3.2	2.5	3.7



#52
Chlorobenzene
Concen: 24.000 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VW014852.D
Acq: 04 Feb 2020 09:36

Tgt Ion	Ratio	Lower	Upper
112	100		
77	64.1	49.8	74.8
114	32.0	22.1	41.1

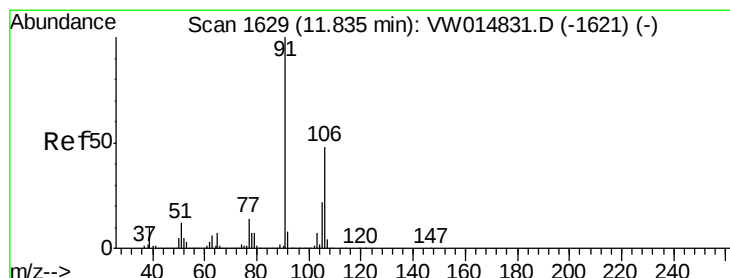
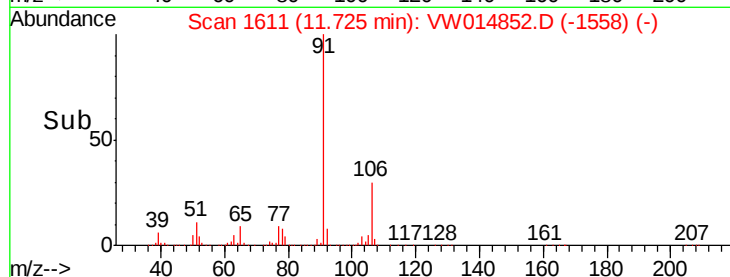
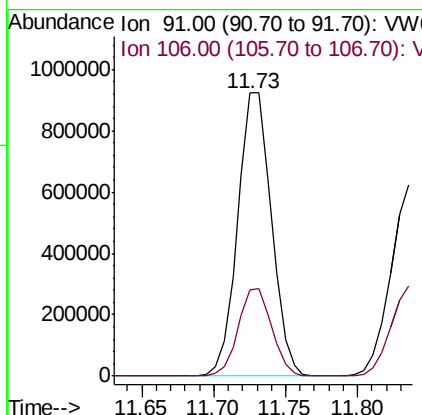
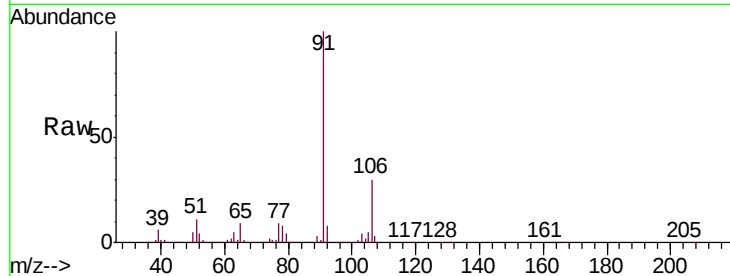




#53
Ethylbenzene
Concen: 24.936 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014852.D
Acq: 04 Feb 2020 09:36

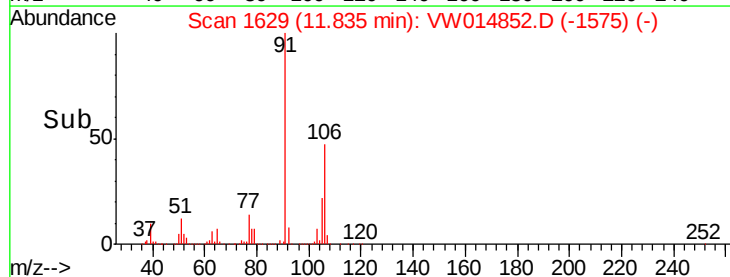
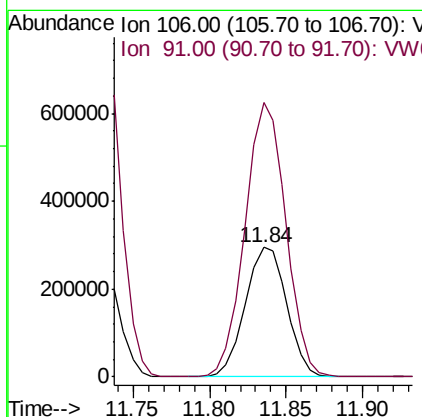
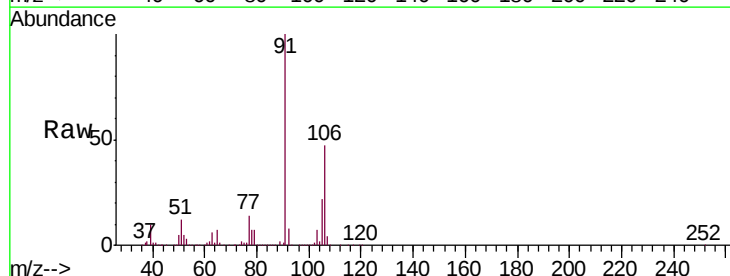
Instrument :
MSVOA_W
ClientSampled :
BFB27

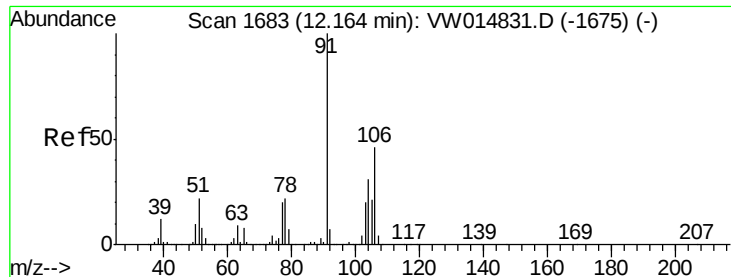
Tgt Ion: 91 Resp: 1505317
Ion Ratio Lower Upper
91 100
106 30.4 21.3 39.5



#54
m,p-Xylene
Concen: 25.213 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014852.D
Acq: 04 Feb 2020 09:36

Tgt Ion: 106 Resp: 556985
Ion Ratio Lower Upper
106 100
91 212.1 145.3 269.9





#55

o-xylene

Concen: 25.608 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014852.D

Acq: 04 Feb 2020 09:36

Instrument :

MSVOA_W

ClientSampled :

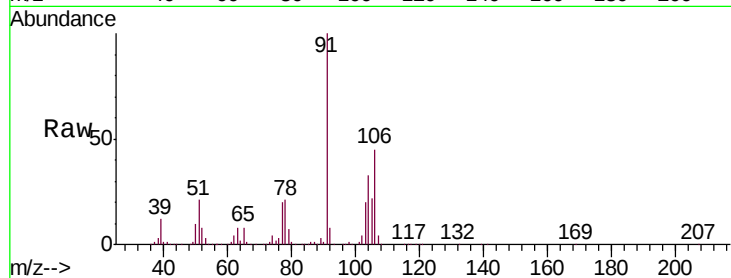
BFB27

Tgt Ion:106 Resp: 527023

Ion Ratio Lower Upper

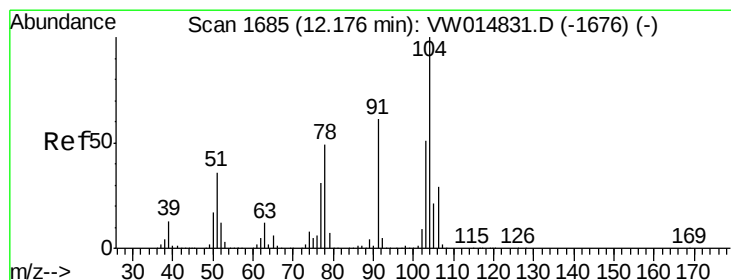
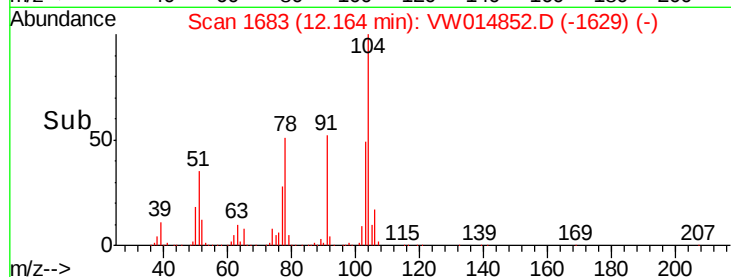
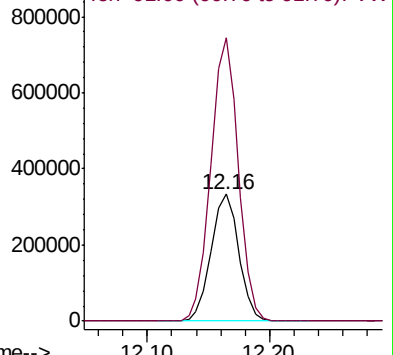
106 100

91 223.6 154.6 287.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.810 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014852.D

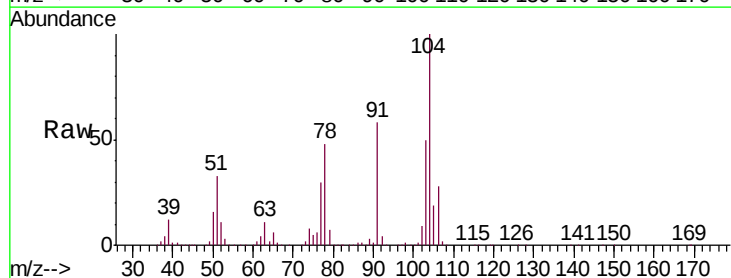
Acq: 04 Feb 2020 09:36

Tgt Ion:104 Resp: 904522

Ion Ratio Lower Upper

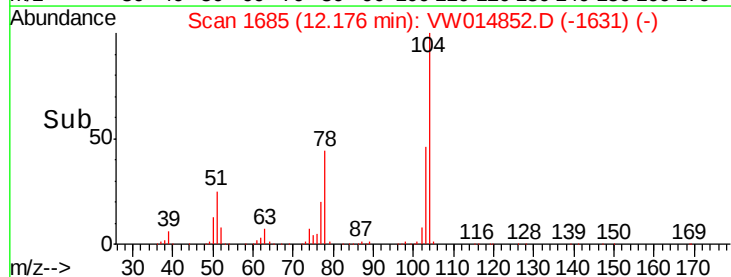
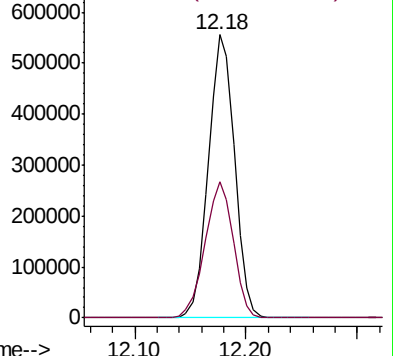
104 100

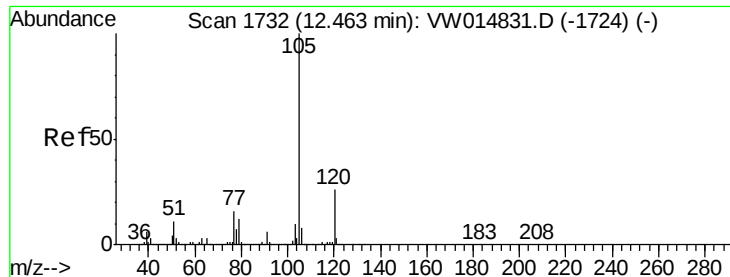
78 48.1 34.3 63.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.913 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014852.D

Acq: 04 Feb 2020 09:36

Instrument :

MSVOA_W

ClientSampleId :

BFB27

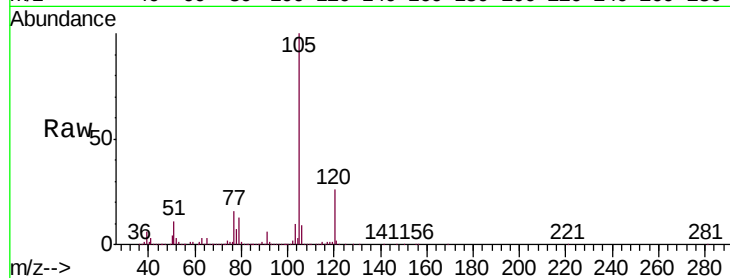
Tgt Ion: 105 Resp: 1442131

Ion Ratio Lower Upper

105 100

120 25.9 20.5 30.7

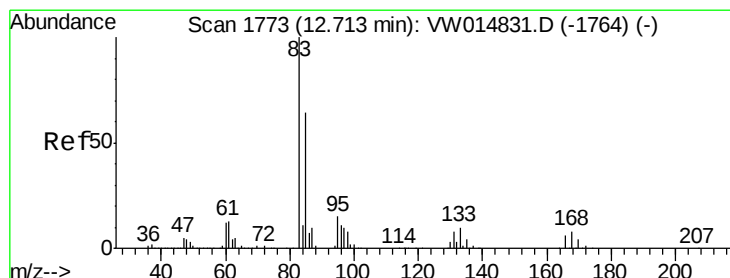
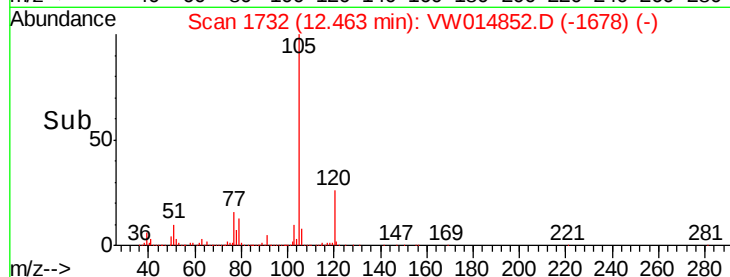
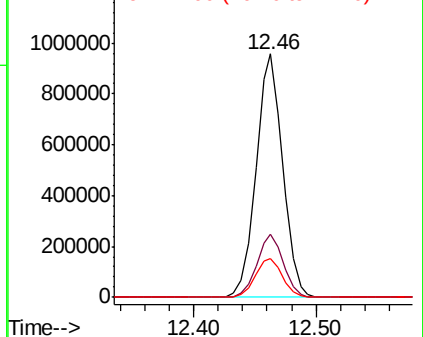
77 16.4 13.3 19.9



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: 24.129 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014852.D

Acq: 04 Feb 2020 09:36

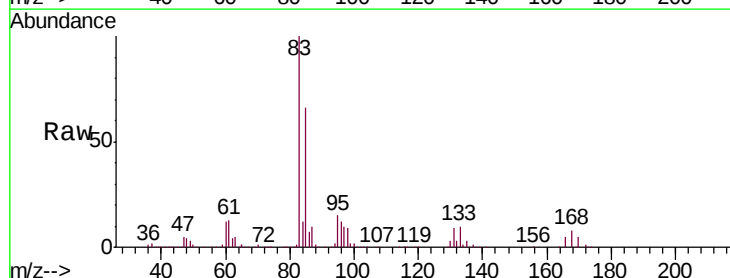
Tgt Ion: 83 Resp: 314799

Ion Ratio Lower Upper

83 100

85 66.3 44.9 83.5

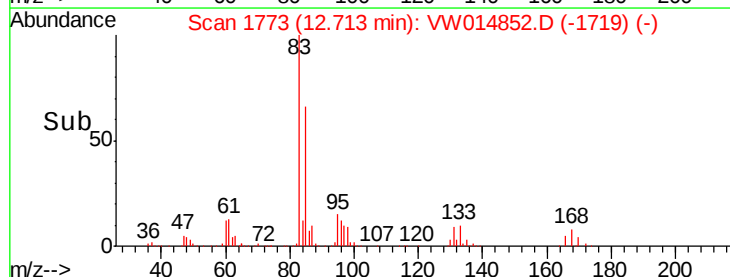
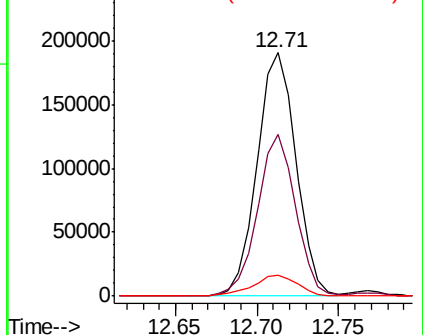
131 8.7 6.9 10.3

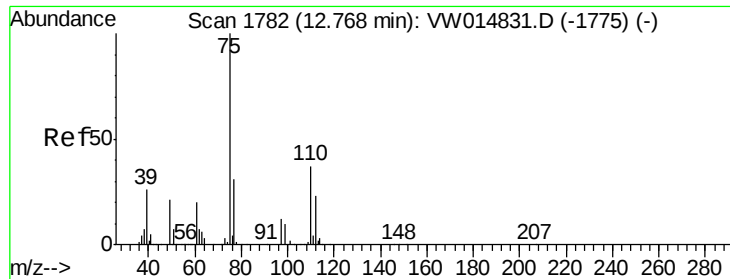


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.986 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014852.D

Acq: 04 Feb 2020 09:36

Instrument :

MSVOA_W

ClientSampleId :

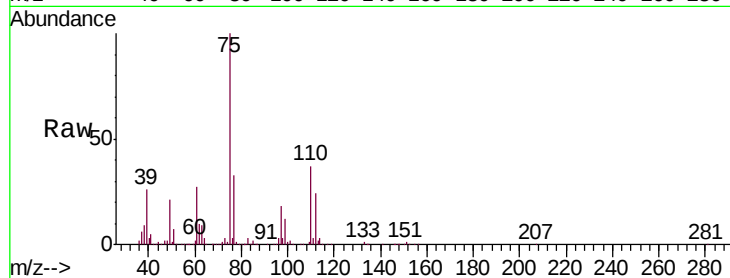
BFB27

Tgt Ion: 75 Resp: 239569

Ion Ratio Lower Upper

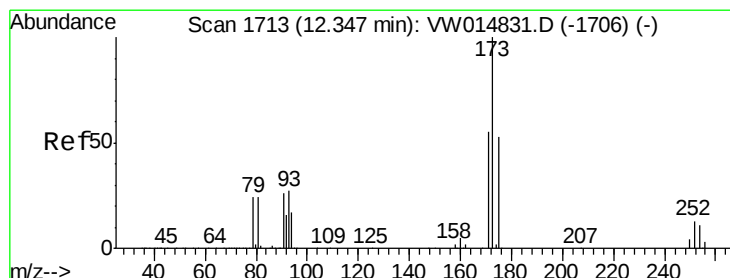
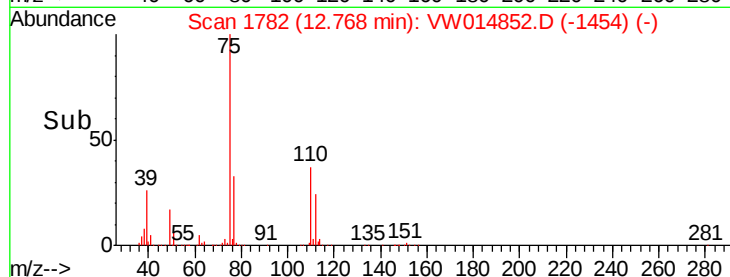
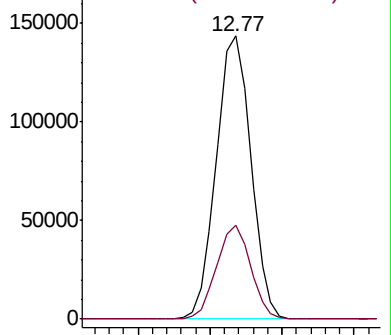
75 100

77 32.6 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 22.955 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014852.D

Acq: 04 Feb 2020 09:36

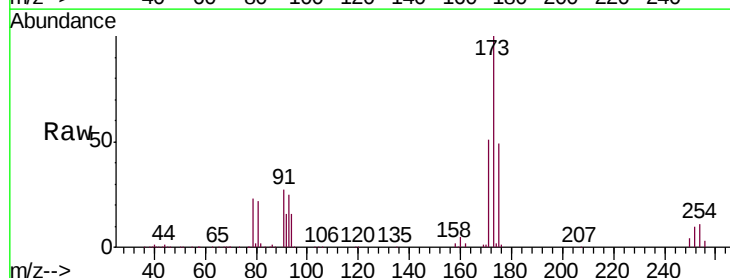
Tgt Ion: 173 Resp: 142143

Ion Ratio Lower Upper

173 100

175 49.8 38.2 57.4

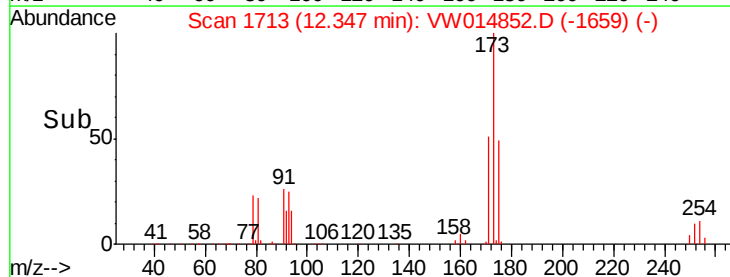
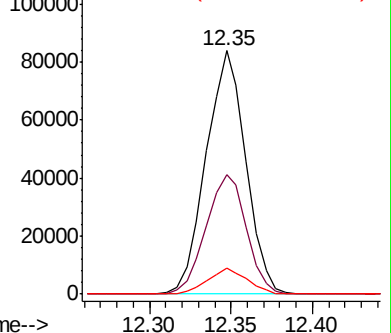
254 10.5 8.6 13.0

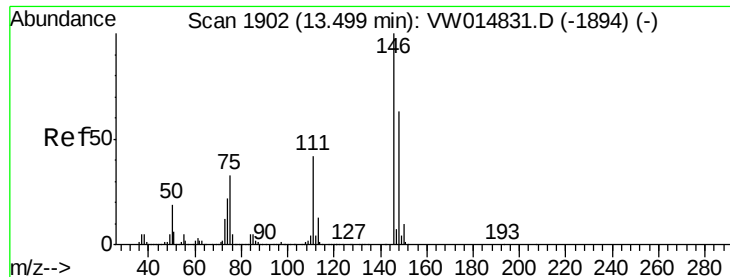


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

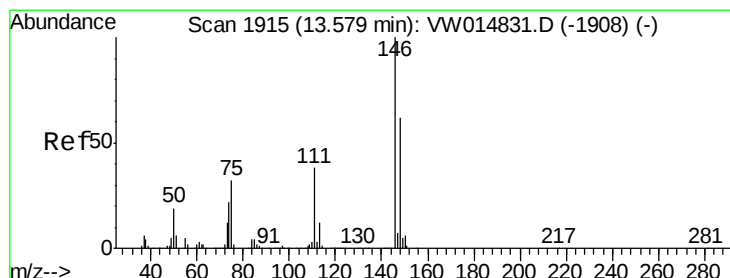
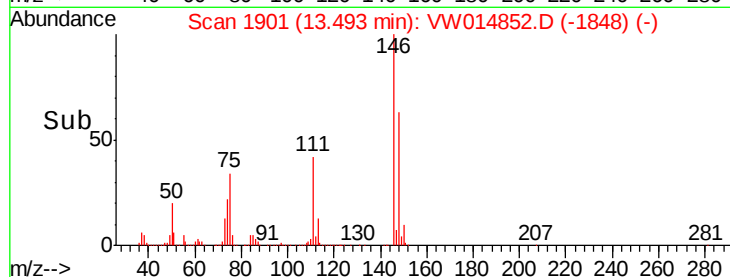
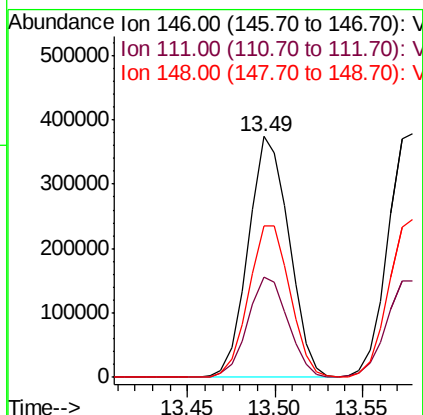
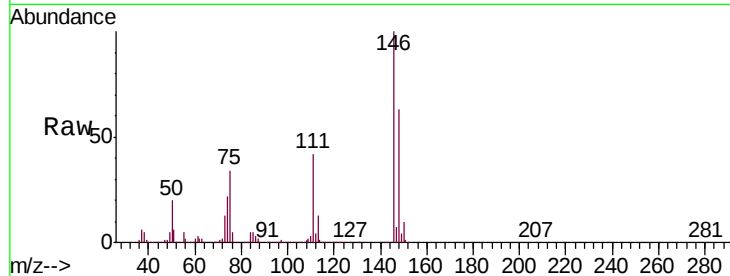




#63
 1,3-Dichlorobenzene
 Concen: 24.162 ug/L
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW014852.D
 Acq: 04 Feb 2020 09:36

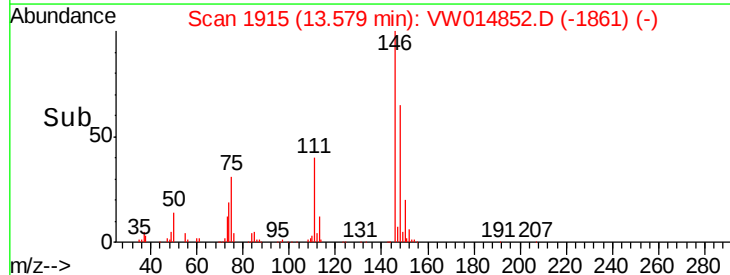
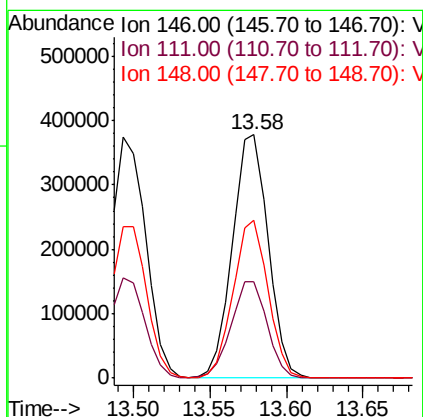
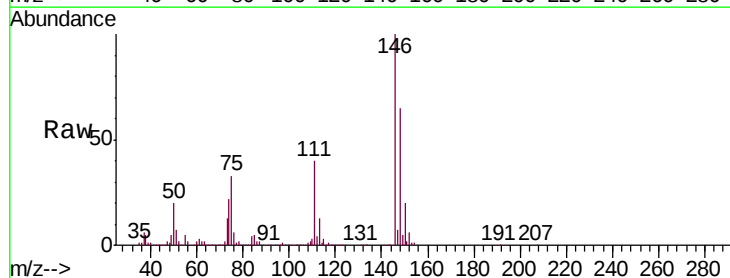
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB27

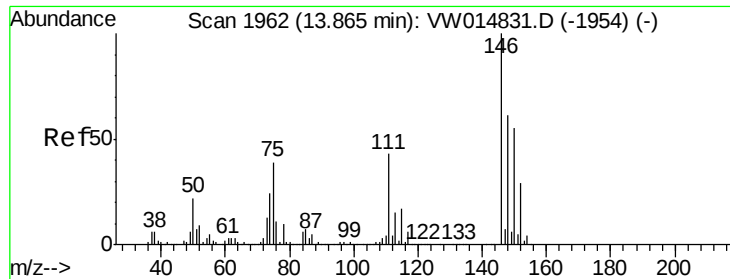
Tgt Ion:146 Resp: 607095
 Ion Ratio Lower Upper
 146 100
 111 41.8 28.8 53.4
 148 63.0 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 24.165 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014852.D
 Acq: 04 Feb 2020 09:36

Tgt Ion:146 Resp: 612023
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.2 50.4
 148 64.6 44.2 82.0

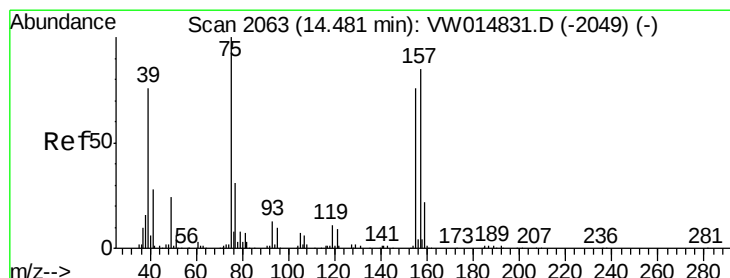
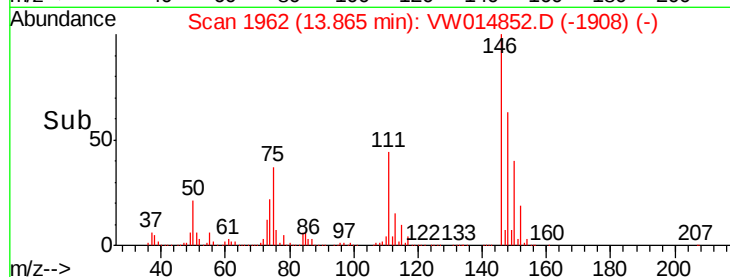
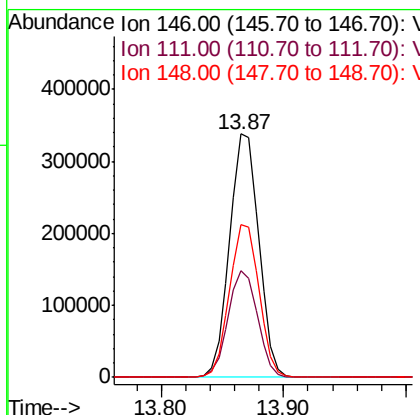
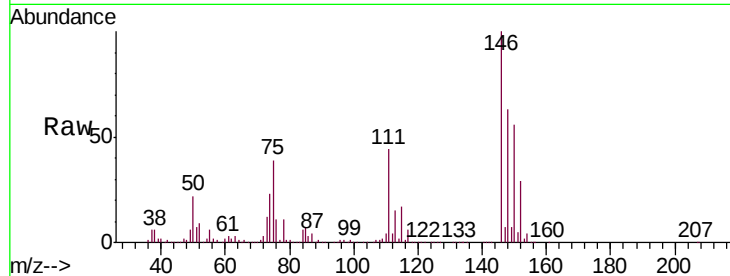




#65
 1,2-Dichlorobenzene
 Concen: 24.422 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW014852.D
 Acq: 04 Feb 2020 09:36

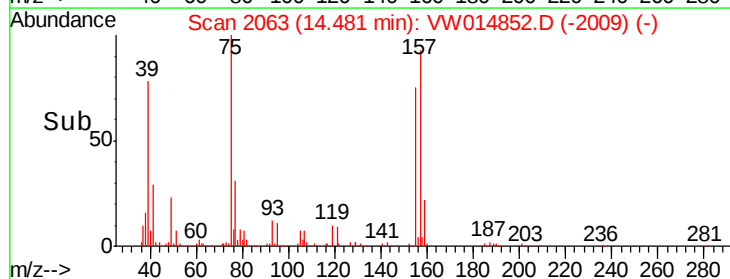
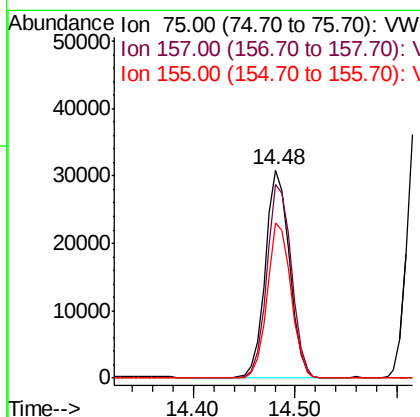
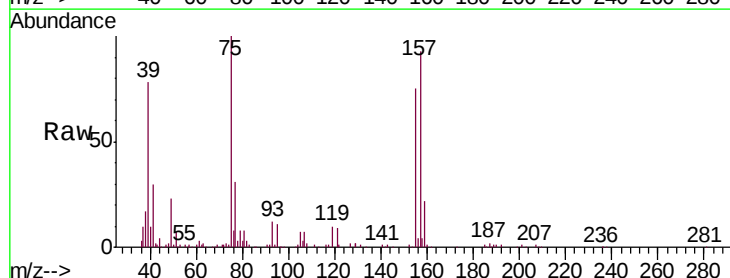
Instrument :
 MSVOA_W
 ClientSampled :
 BFB27

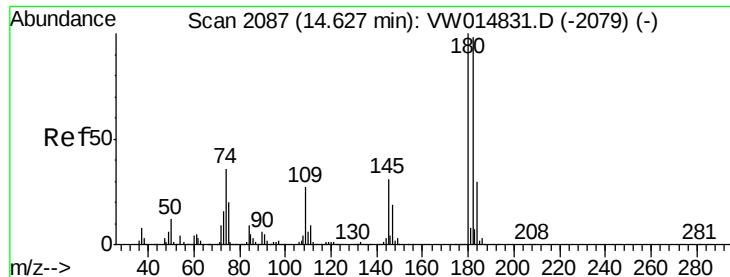
Tgt Ion: 146 Resp: 558665
 Ion Ratio Lower Upper
 146 100
 111 43.9 34.3 51.5
 148 63.0 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.749 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014852.D
 Acq: 04 Feb 2020 09:36

Tgt Ion: 75 Resp: 50793
 Ion Ratio Lower Upper
 75 100
 157 92.8 68.2 102.2
 155 74.8 56.0 84.0

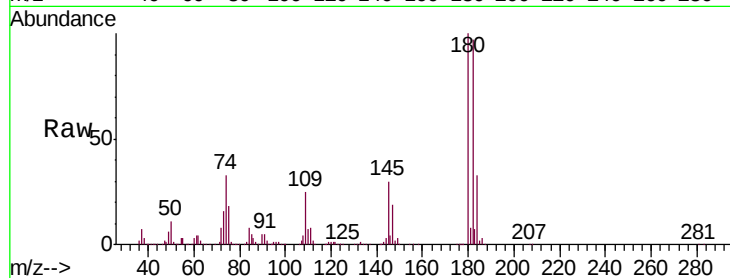




#67
 1,3,5-Trichlorobenzene
 Concen: 24.759 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014852.D
 Acq: 04 Feb 2020 09:36

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.1	114.1
184	30.7	24.2	36.2
145	30.8	23.9	35.9



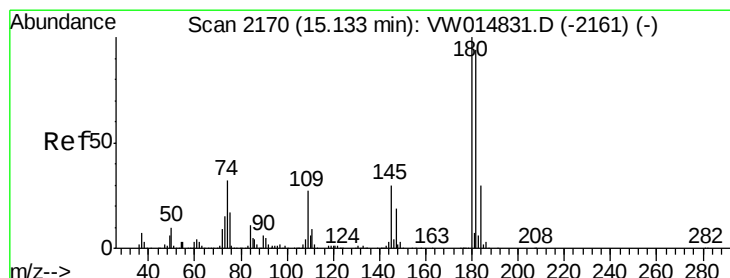
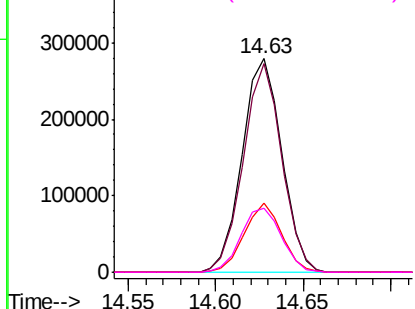
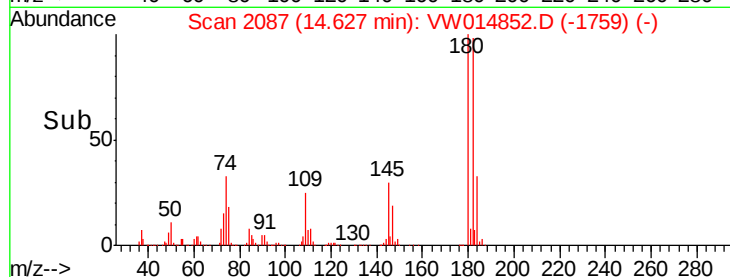
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

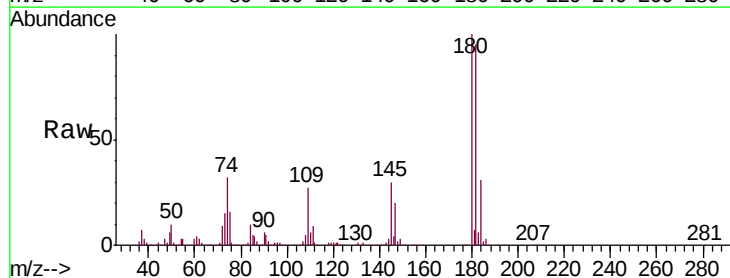
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.461 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014852.D
 Acq: 04 Feb 2020 09:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	74.7	112.1
145	30.9	24.1	36.1

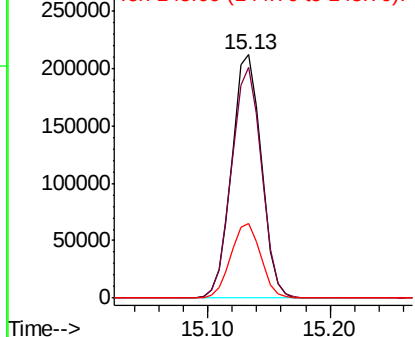
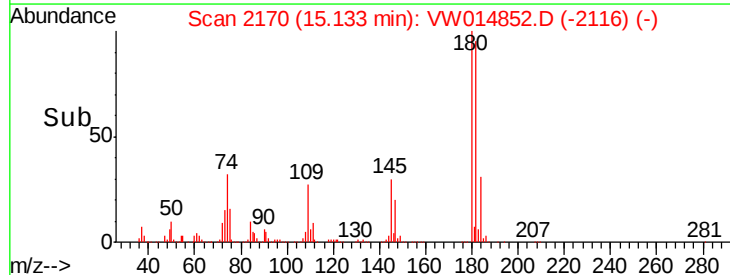


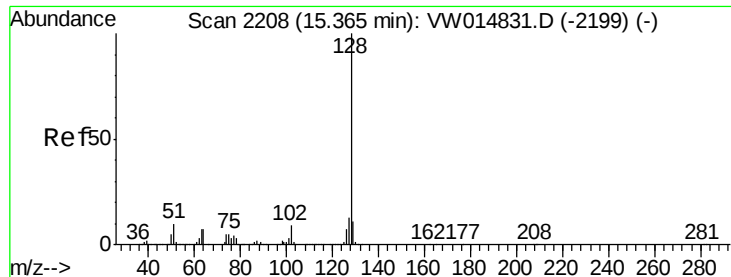
Abundance

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: 27.703 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014852.D

Acq: 04 Feb 2020 09:36

Instrument :

MSVOA_W

ClientSampleId :

BFB27

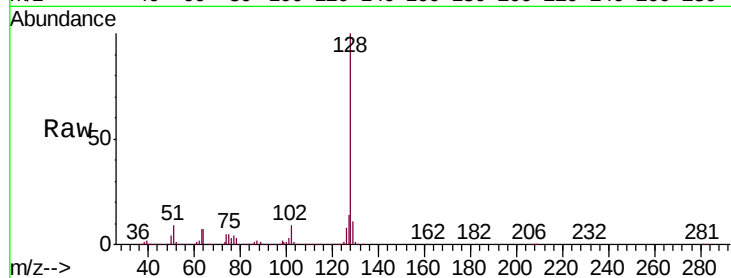
Tgt Ion:128 Resp: 781779

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

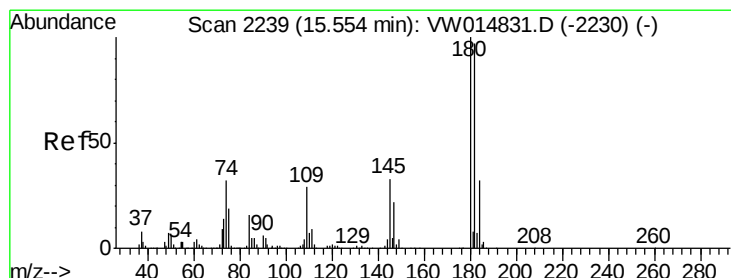
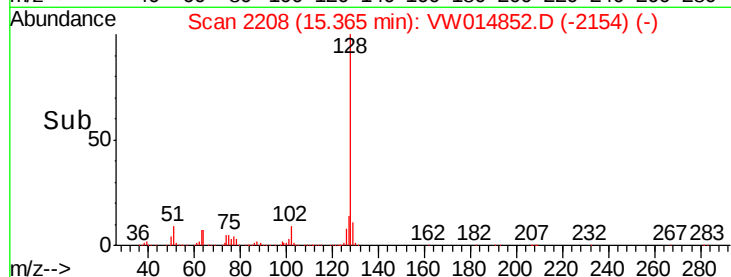
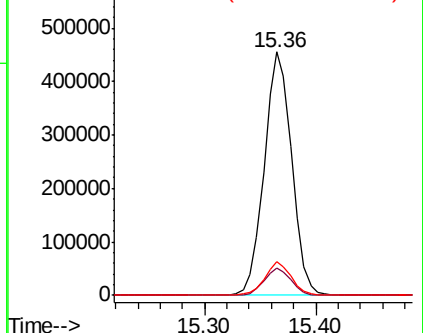
127 13.2 10.6 15.8



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: 26.188 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014852.D

Acq: 04 Feb 2020 09:36

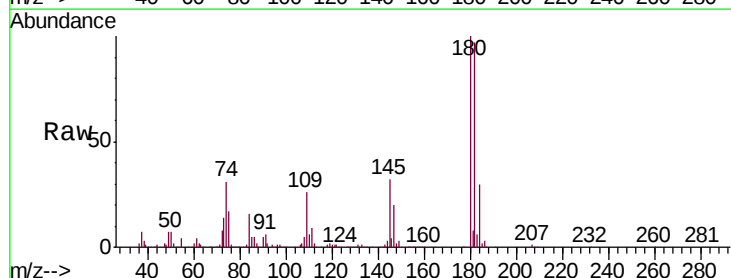
Tgt Ion:180 Resp: 336617

Ion Ratio Lower Upper

180 100

182 94.5 76.4 114.6

145 32.4 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

