

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082218\
 Data File : VW004890.D
 Acq On : 22 Aug 2018 18:09
 Operator : SY/AP
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV86

Quant Time: Aug 23 06:56:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 06:52:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	745427	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	731567	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	380934	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	285833	20.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.16%
7) Chloroethane-d5	2.89	69	214560	20.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.16%
10) 1,1-Dichloroethene-d2	4.03	63	388099	21.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.28%
20) 2-Butanone-d5	7.09	46	116170	40.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.02%
24) Chloroform-d	7.65	84	365729	22.10	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	8.31	65	195330	21.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.88%
29) Benzene-d6	8.28	84	900228	23.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.68%
33) 1,2-Dichloropropane-d6	9.28	67	264748	23.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.80%
37) Toluene-d8	10.33	98	927129	23.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.04%
38) trans-1,3-Dichloropropene-	10.59	79	111627	23.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.88%
39) 2-Hexanone-d5	10.93	63	116180	42.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.82%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	242705	21.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.40%
61) 1,2-Dichlorobenzene-d4	13.86	152	344294	22.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.00	85	321097	22.899	ug/L 100
3) Chloromethane	2.21	50	369917	23.278	ug/L 99
5) Vinyl chloride	2.36	62	372764	23.160	ug/L 98
6) Bromomethane	2.78	94	212586	25.214	ug/L 100
8) Chloroethane	2.92	64	212780	23.657	ug/L 100
9) Trichlorofluoromethane	3.26	101	383703	23.559	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	235991	24.223	ug/L 99
12) 1,1-Dichloroethene	4.04	96	206921	23.843	ug/L 95
13) Acetone	4.15	43	81504	36.695	ug/L 73
14) Carbon disulfide	4.39	76	842372	23.426	ug/L 100
15) Methyl Acetate	4.68	43	109926	21.888	ug/L 97
16) Methylene chloride	4.92	84	296514	20.513	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	482609	25.745	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	223249	24.704	ug/L 97
19) 1,1-Dichloroethane	6.23	63	399889	24.242	ug/L 96
21) 2-Butanone	7.18	43	138890	40.609	ug/L 100
22) cis-1,2-Dichloroethene	7.18	96	238081	24.414	ug/L 98

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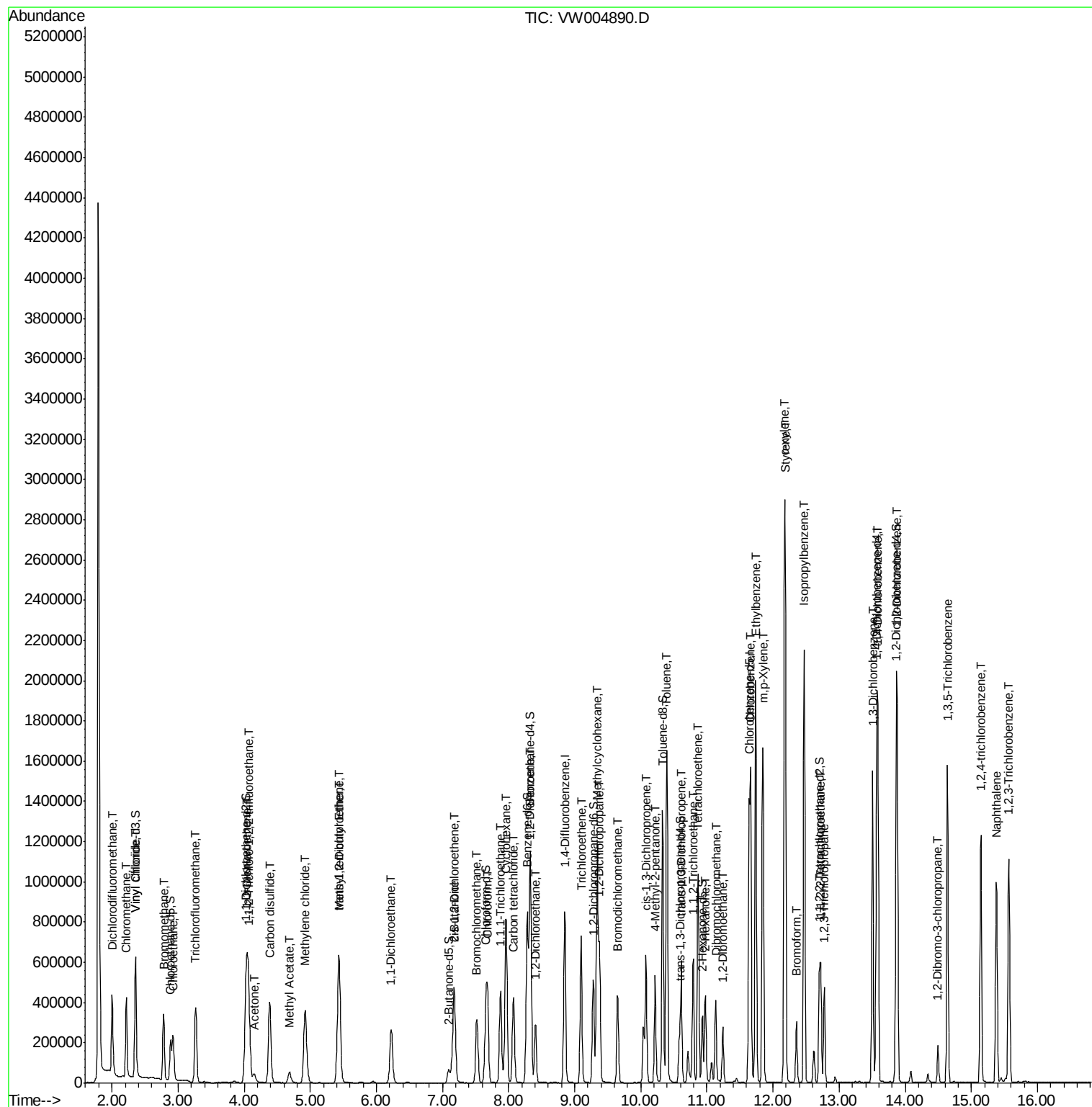
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	121629	23.620	ug/L	96
25) Chloroform	7.68	83	398057	24.076	ug/L	99
27) 1,2-Dichloroethane	8.41	62	258498	23.853	ug/L	99
30) Cyclohexane	7.96	56	437328	28.082	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	370462	26.291	ug/L	99
32) Carbon tetrachloride	8.07	117	332112	26.351	ug/L	98
34) Benzene	8.33	78	1089473	26.119	ug/L	100
35) Trichloroethene	9.10	95	270300	26.060	ug/L	99
36) Methylcyclohexane	9.34	83	490109	25.547	ug/L	100
40) 1,2-Dichloropropane	9.37	63	271986	26.507	ug/L	99
41) Bromodichloromethane	9.65	83	299965	26.531	ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	374843	26.317	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	348404	45.996	ug/L	99
44) Toluene	10.39	91	1282945	25.611	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	332118	25.710	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	200671	25.056	ug/L	97
47) Tetrachloroethene	10.87	164	248988	24.520	ug/L	97
49) 2-Hexanone	10.98	43	273131	46.661	ug/L	100
50) Dibromochloromethane	11.13	129	228009	25.643	ug/L	100
51) 1,2-Dibromoethane	11.24	107	193407	24.600	ug/L	94
52) Chlorobenzene	11.66	112	820245	24.649	ug/L	100
53) Ethylbenzene	11.74	91	1434562	25.450	ug/L	100
54) m,p-Xylene	11.85	106	563957	25.790	ug/L	98
55) o-xylene	12.17	106	533290	26.101	ug/L	96
56) Styrene	12.19	104	919591	26.196	ug/L	98
57) Isopropylbenzene	12.47	105	1417033	25.965	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	270332	23.683	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	206138	23.436	ug/L	98
62) Bromoform	12.35	173	145528	24.095	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	650816	24.798	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	672964	24.493	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	628050	24.975	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	46399	21.758	ug/L	99
67) 1,3,5-Trichlorobenzene	14.64	180	517450	24.641	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	426535	25.156	ug/L	100
69) Naphthalene	15.38	128	877949	25.474	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	405836	25.412	ug/L	99

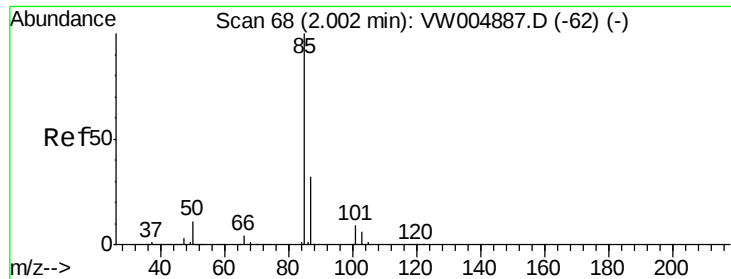
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.899 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW004890.D

Acq: 22 Aug 2018 18:09

Instrument :

MSVOA_W

ClientSampleId :

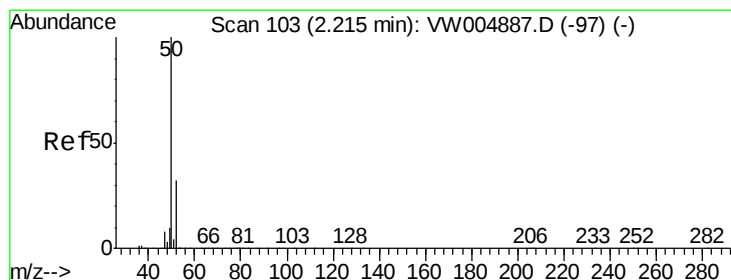
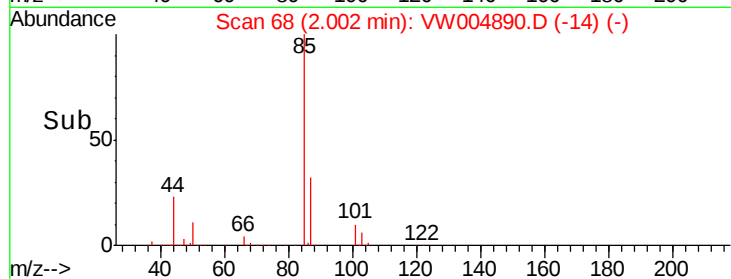
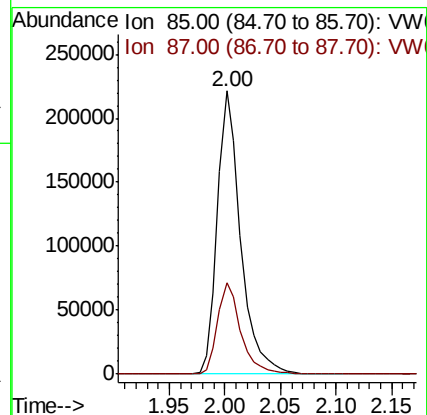
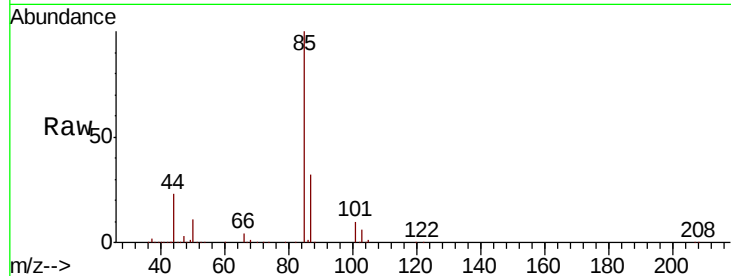
VICV86

Tot Ion: 85 Resp: 321097

Ion Ratio Lower Upper

85 100

87 32.2 22.6 42.0



#3

Chloromethane

Concen: 23.278 ug/L

RT: 2.21 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004890.D

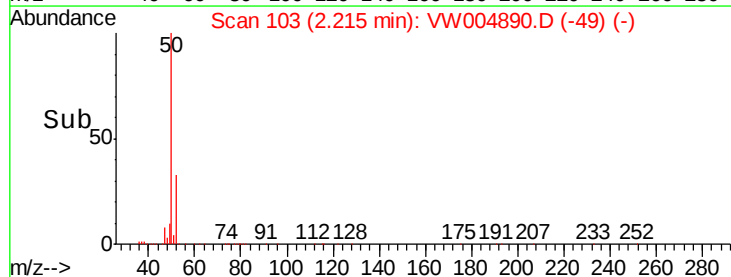
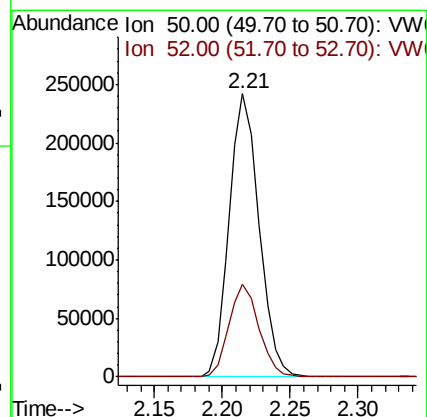
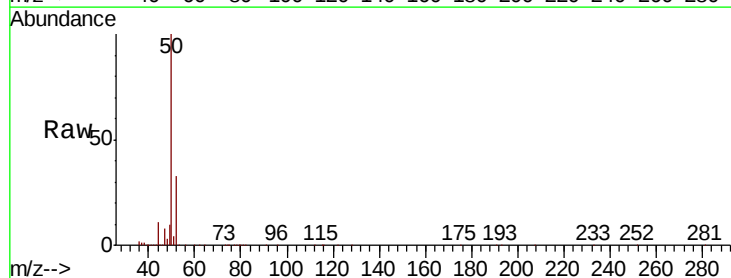
Acq: 22 Aug 2018 18:09

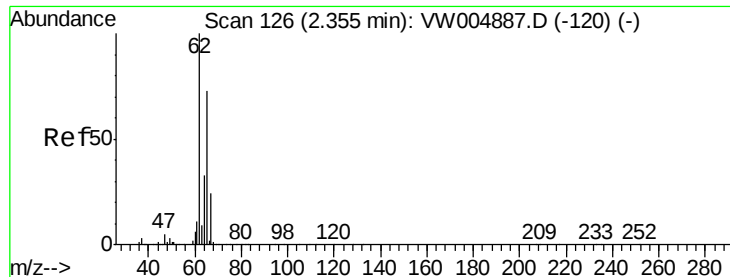
Tgt Ion: 50 Resp: 369917

Ion Ratio Lower Upper

50 100

52 32.9 22.5 41.9





#5

Vinyl chloride

Concen: 23.160 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW004890.D

Acq: 22 Aug 2018 18:09

Instrument :

MSVOA_W

ClientSampleId :

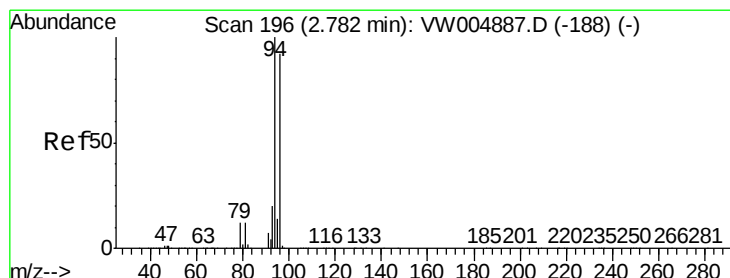
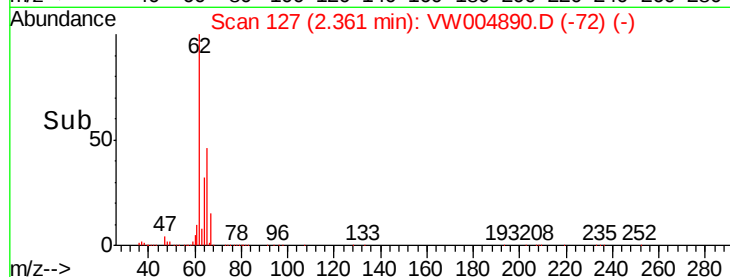
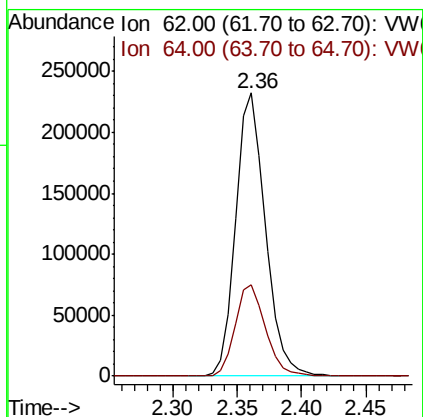
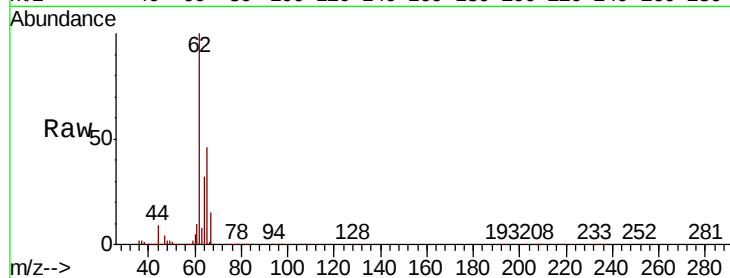
VICV86

Tot Ion: 62 Resp: 372764

Ion Ratio Lower Upper

62 100

64 32.1 23.3 43.3



#6

Bromomethane

Concen: 25.214 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW004890.D

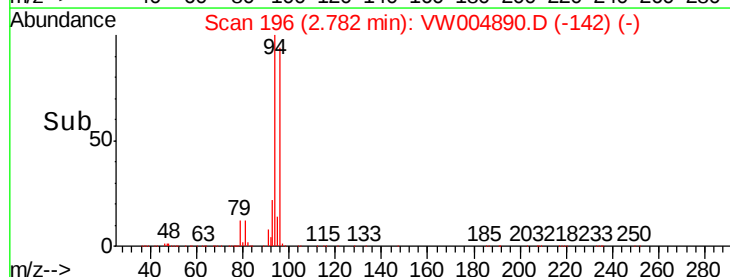
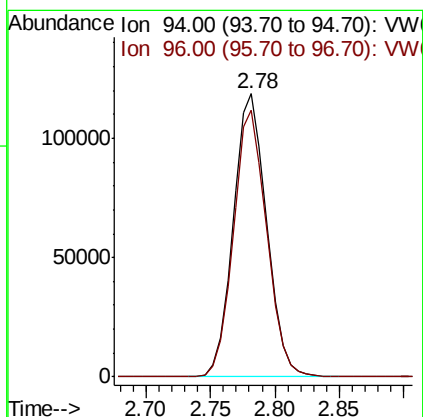
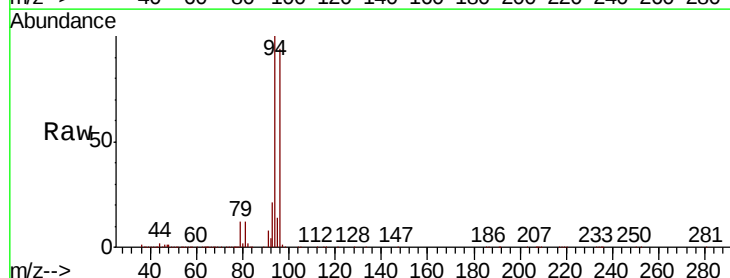
Acq: 22 Aug 2018 18:09

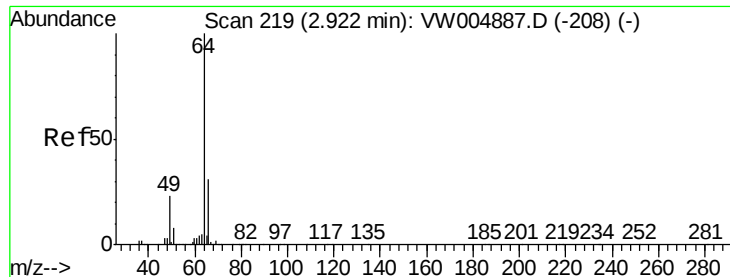
Tgt Ion: 94 Resp: 212586

Ion Ratio Lower Upper

94 100

96 93.5 9.3 177.7





#8

Chloroethane

Concen: 23.657 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VW004890.D

Acq: 22 Aug 2018 18:09

Instrument :

MSVOA_W

ClientSampleId :

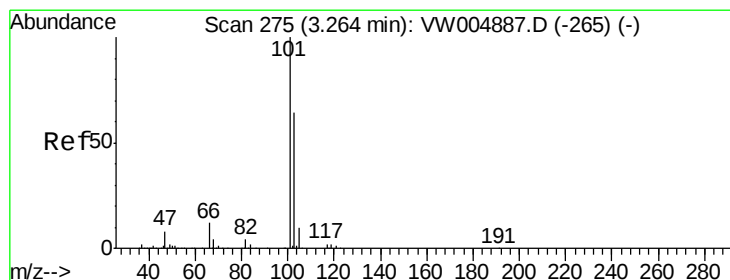
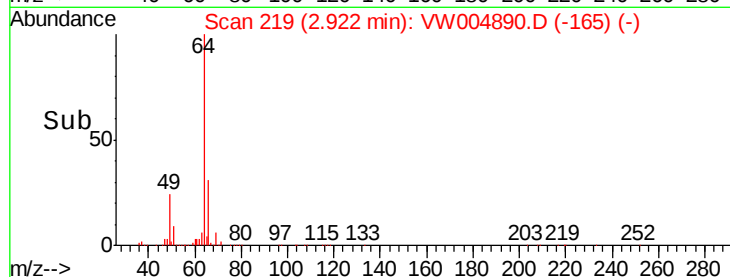
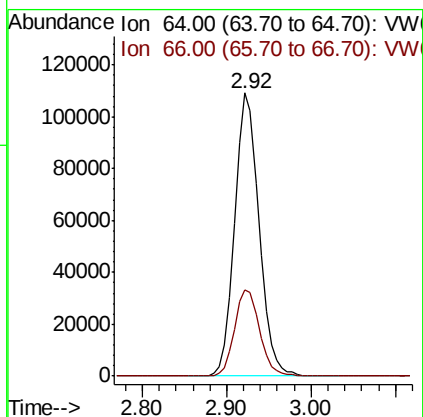
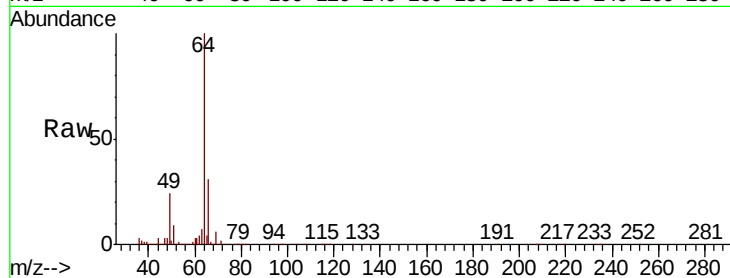
VICV86

Tot Ion: 64 Resp: 212780

Ion Ratio Lower Upper

64 100

66 30.7 21.5 39.9



#9

Trichlorofluoromethane

Concen: 23.559 ug/L

RT: 3.26 min Scan# 275

Delta R.T. -0.00 min

Lab File: VW004890.D

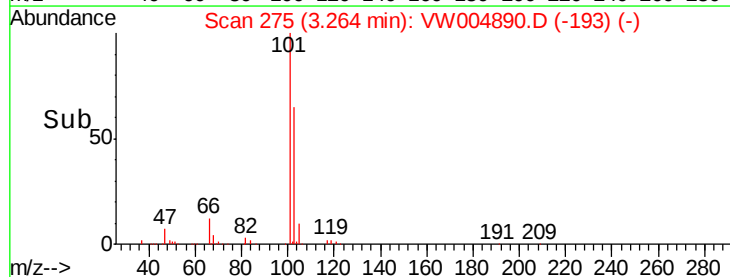
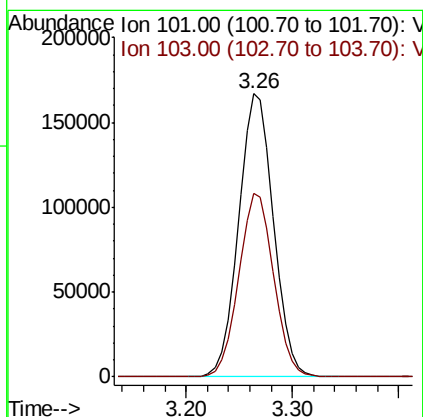
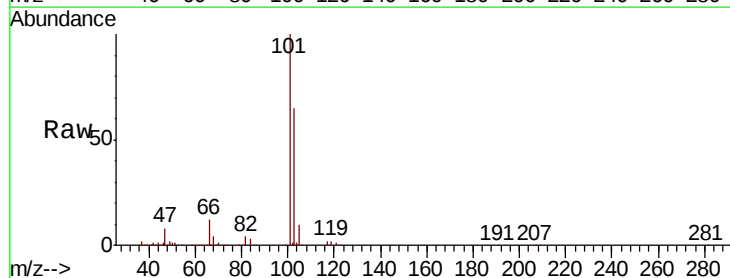
Acq: 22 Aug 2018 18:09

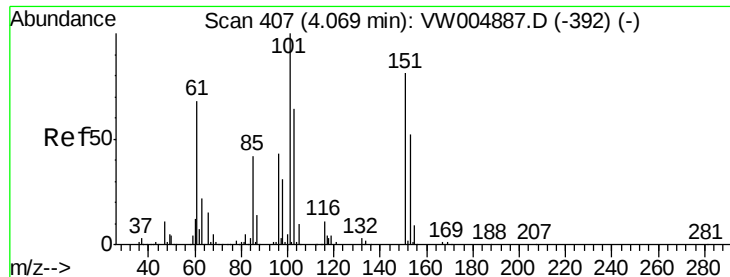
Tgt Ion: 101 Resp: 383703

Ion Ratio Lower Upper

101 100

103 64.9 45.1 83.7





#11

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

Concen: 24.223 ug/L

RT: 4.07 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW004890.D

Acq: 22 Aug 2018 18:09

Instrument :

MSVOA_W

ClientSampled :

VICV86

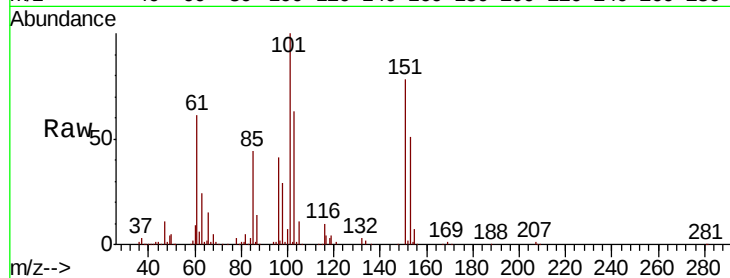
Tot Ion:101 Resp: 235991

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.2

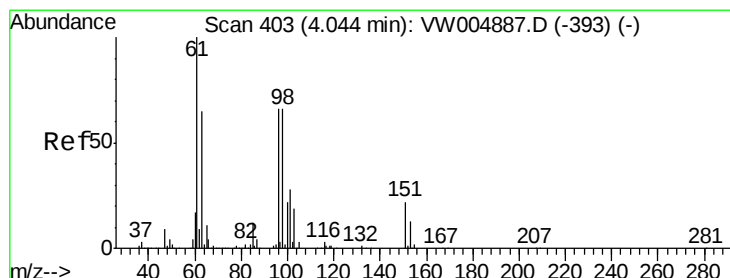
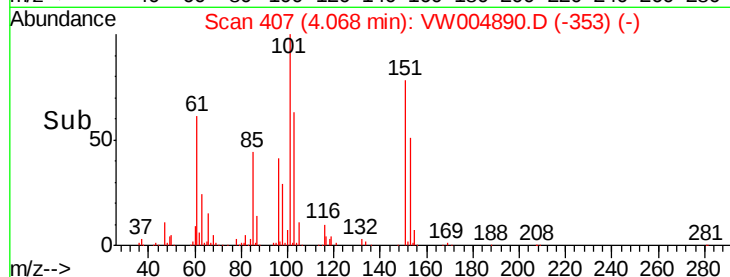
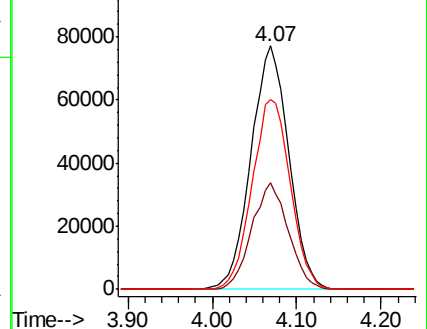
151 78.8 64.1 96.1



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: 23.843 ug/L

RT: 4.04 min Scan# 403

Delta R.T. -0.00 min

Lab File: VW004890.D

Acq: 22 Aug 2018 18:09

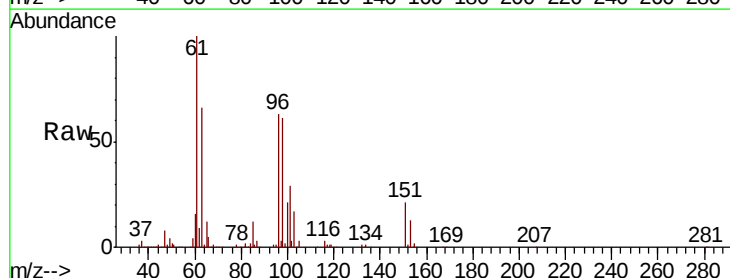
Tgt Ion: 96 Resp: 206921

Ion Ratio Lower Upper

96 100

61 159.5 107.0 198.8

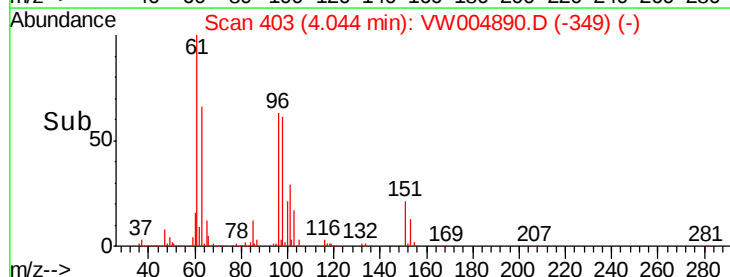
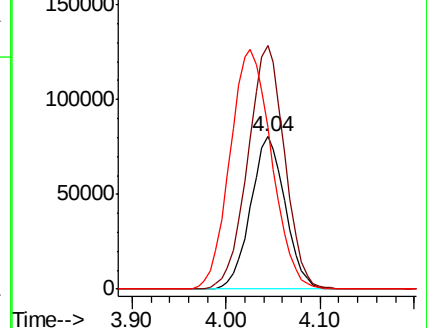
63 105.7 76.9 142.7

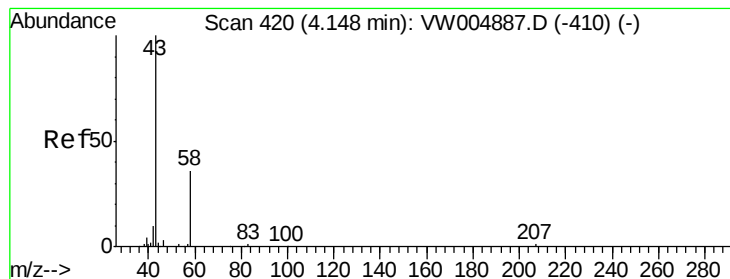


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 36.695 ug/L

RT: 4.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VW004890.D

Acq: 22 Aug 2018 18:09

Instrument :

MSVOA_W

ClientSampled :

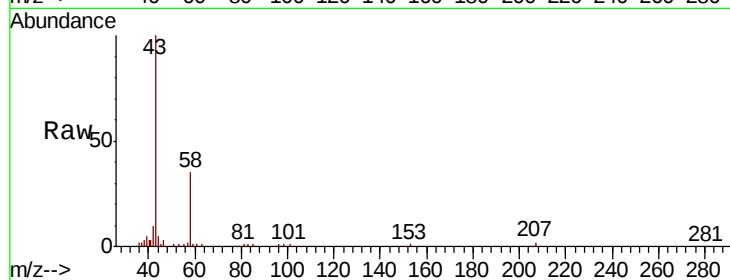
VICV86

Tot Ion: 43 Resp: 81504

Ion Ratio Lower Upper

43 100

58 18.9 0.0 69.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

25000

20000

15000

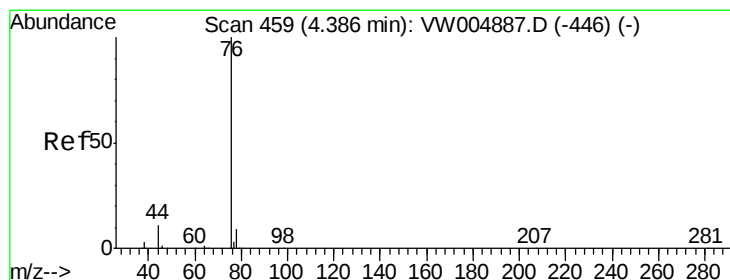
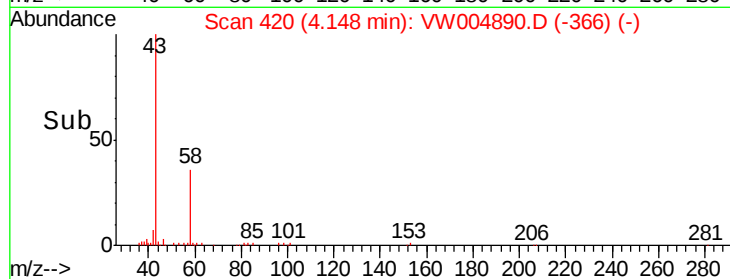
10000

5000

0

4.10 4.20 4.30

Time-->



#14

Carbon disulfide

Concen: 23.426 ug/L

RT: 4.39 min Scan# 459

Delta R.T. -0.00 min

Lab File: VW004890.D

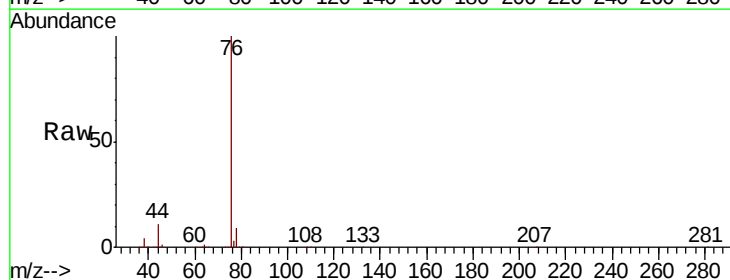
Acq: 22 Aug 2018 18:09

Tgt Ion: 76 Resp: 842372

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

300000

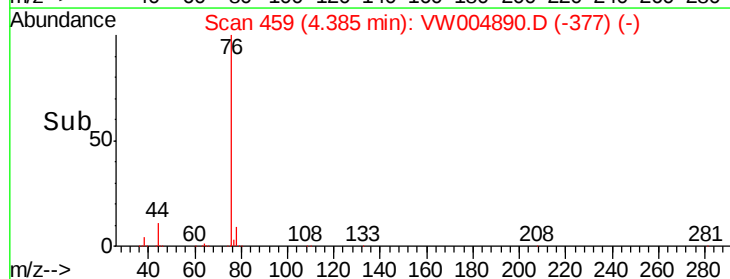
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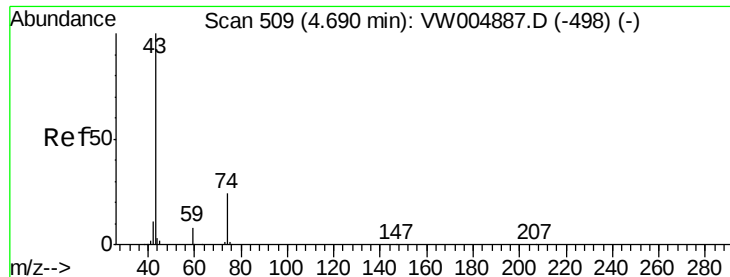
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0

4.30 4.40 4.50

Time-->

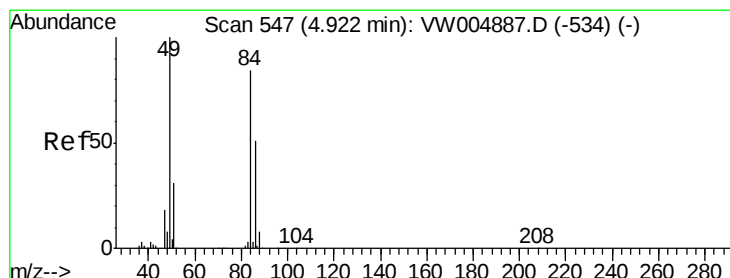
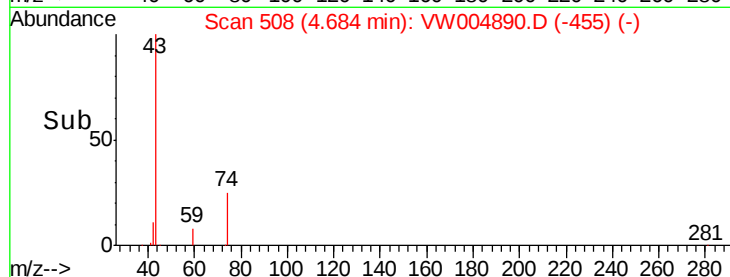
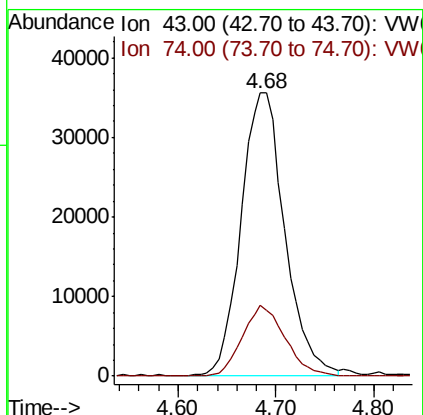
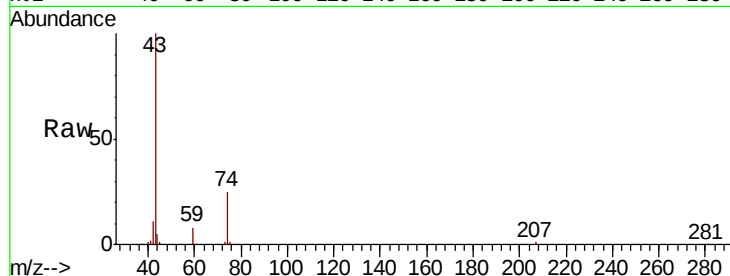




#15
Methvl Acetate
Concen: 21.888 ug/L
RT: 4.68 min Scan# 508
Delta R.T. -0.01 min
Lab File: VW004890.D
Acq: 22 Aug 2018 18:09

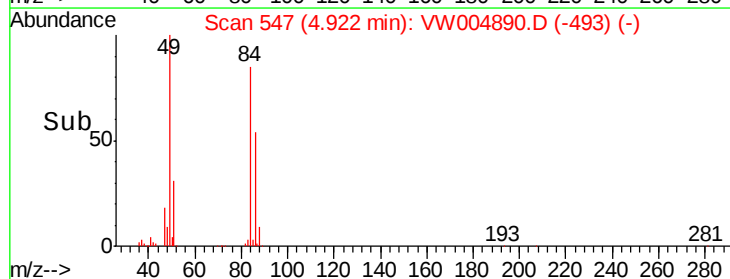
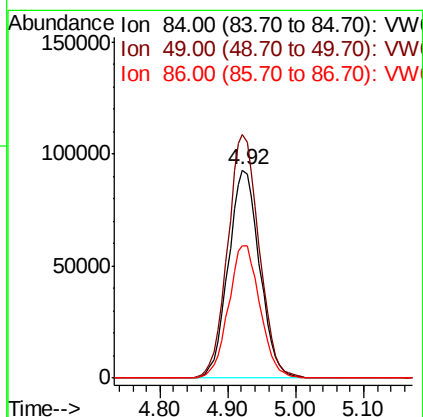
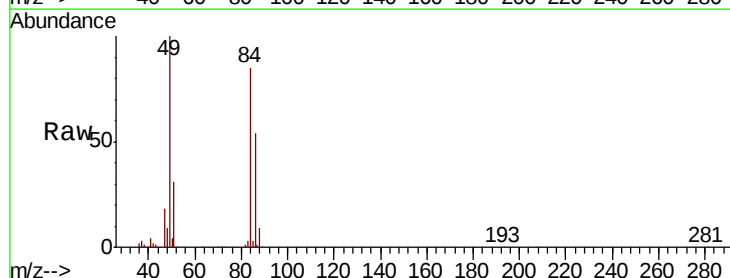
Instrument :
MSVOA_W
ClientSampled :
VICV86

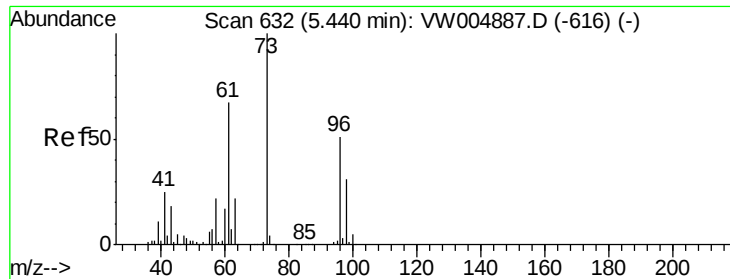
Tot Ion: 43 Resp: 109926
Ion Ratio Lower Upper
43 100
74 24.5 18.6 27.8



#16
Methylene chloride
Concen: 20.513 ug/L
RT: 4.92 min Scan# 547
Delta R.T. -0.00 min
Lab File: VW004890.D
Acq: 22 Aug 2018 18:09

Tgt Ion: 84 Resp: 296514
Ion Ratio Lower Upper
84 100
49 117.0 83.8 155.6
86 63.4 42.6 79.0

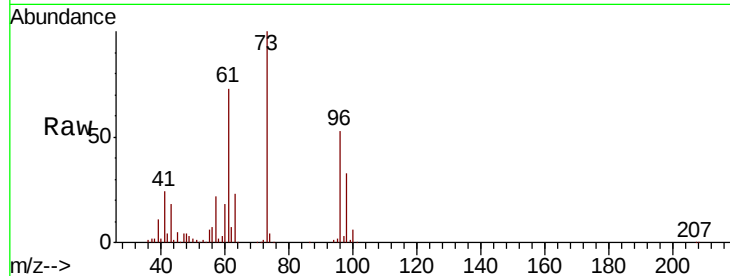




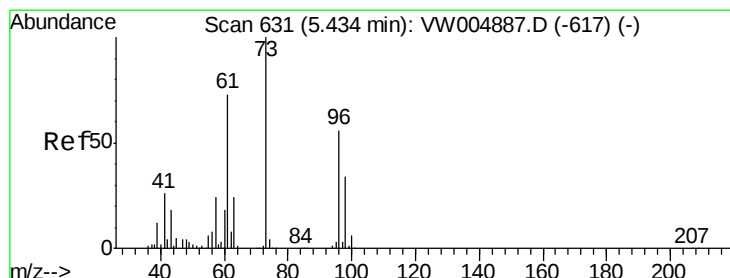
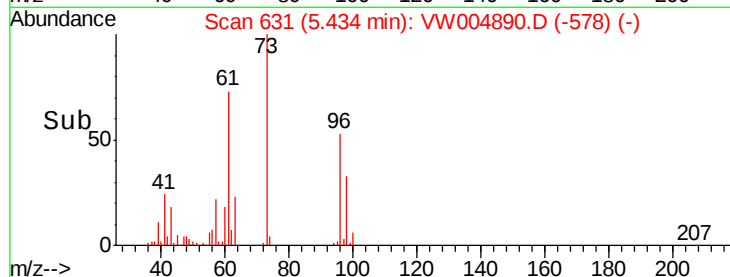
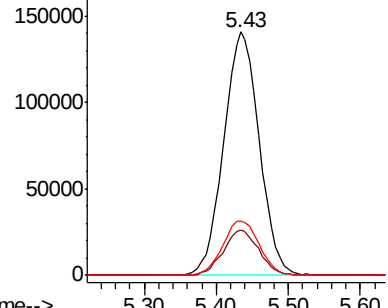
#17
Methvl tert-butvl Ether
Concen: 25.745 ug/L
RT: 5.43 min Scan# 631
Delta R.T. -0.01 min
Lab File: VW004890.D
Acq: 22 Aug 2018 18:09

Instrument :
MSVOA_W
ClientSampled :
VICV86

Tot Ion: 73 Resp: 482609
Ion Ratio Lower Upper
73 100
43 18.5 14.6 22.0
57 23.1 18.2 27.4

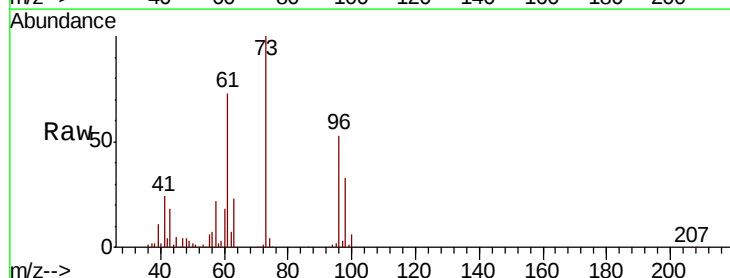


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

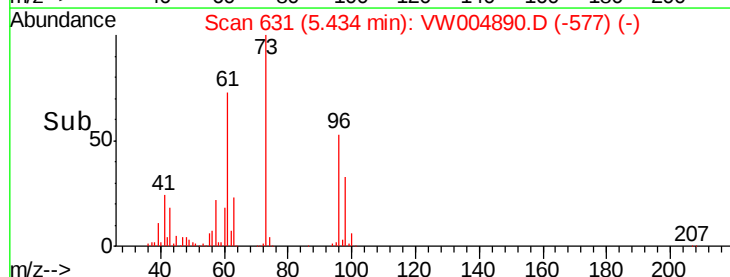
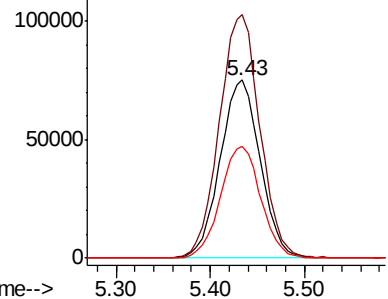


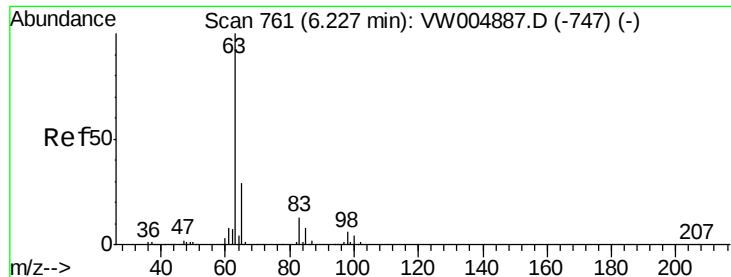
#18
trans-1,2-Dichloroethene
Concen: 24.704 ug/L
RT: 5.43 min Scan# 631
Delta R.T. -0.00 min
Lab File: VW004890.D
Acq: 22 Aug 2018 18:09

Tgt Ion: 96 Resp: 223249
Ion Ratio Lower Upper
96 100
61 136.8 92.5 171.9
98 62.8 42.8 79.4



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

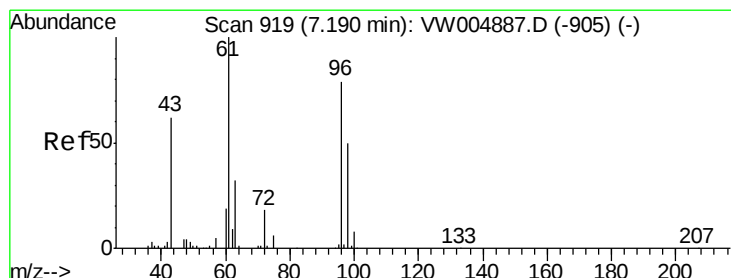
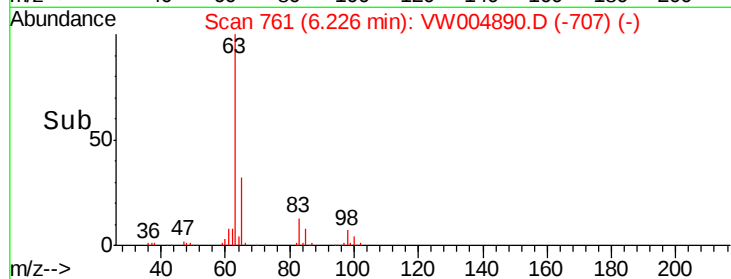
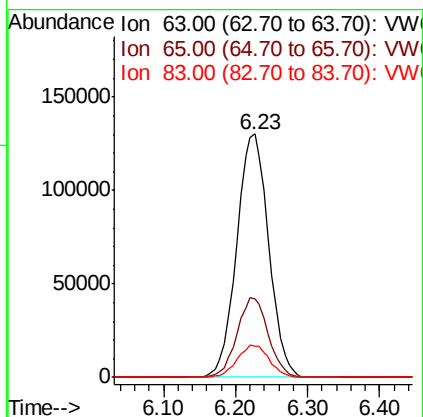
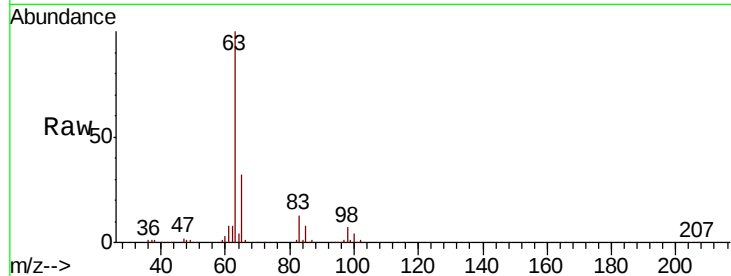




#19
 1,1-Dichloroethane
 Concen: 24.242 ug/L
 RT: 6.23 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VW004890.D
 Acq: 22 Aug 2018 18:09

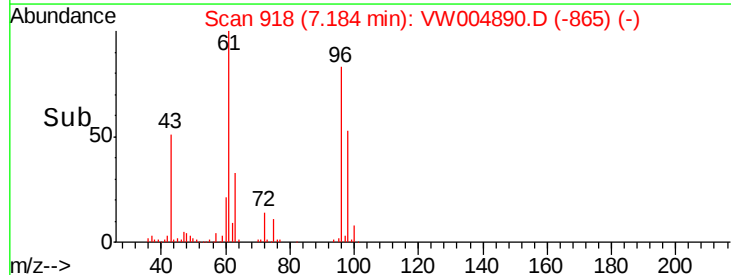
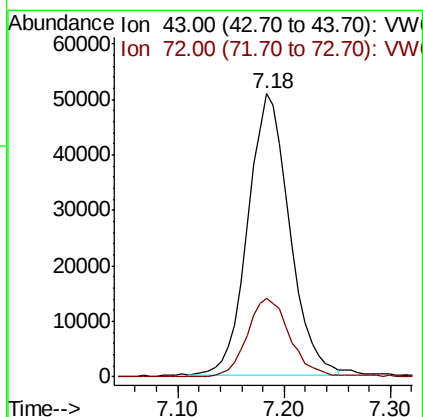
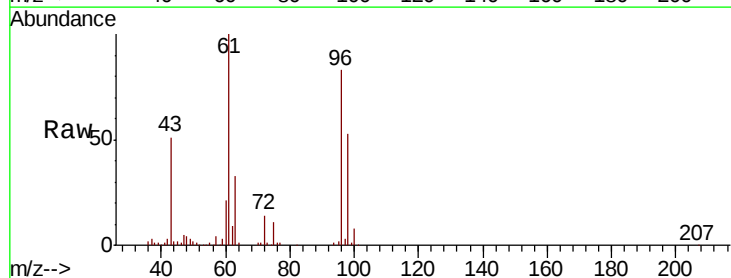
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV86

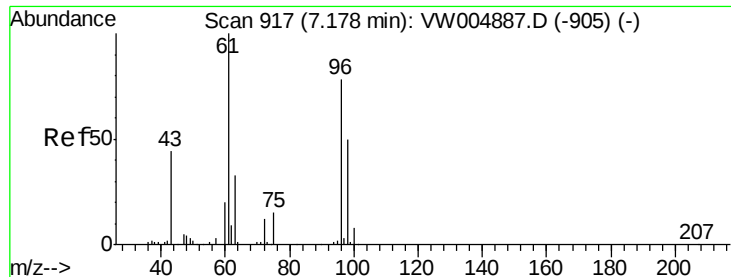
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	20.5	38.1
83	12.8	8.8	16.4



#21
 2-Butanone
 Concen: 40.609 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VW004890.D
 Acq: 22 Aug 2018 18:09

Tgt Ion	Ratio	Lower	Upper
43	100		
72	28.7	14.2	42.8



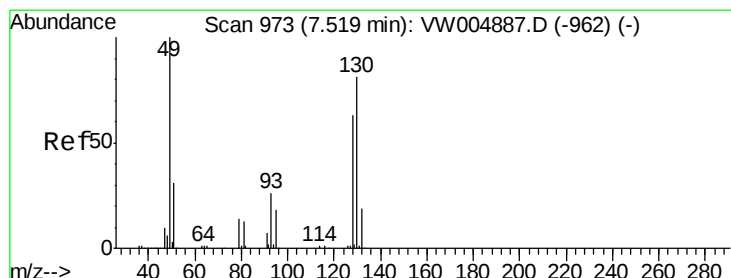
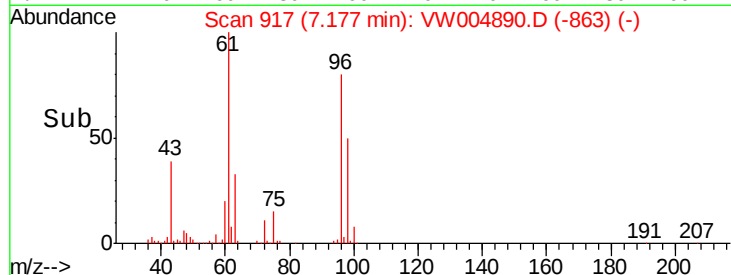
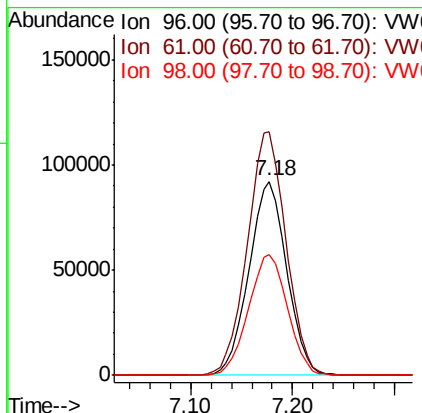
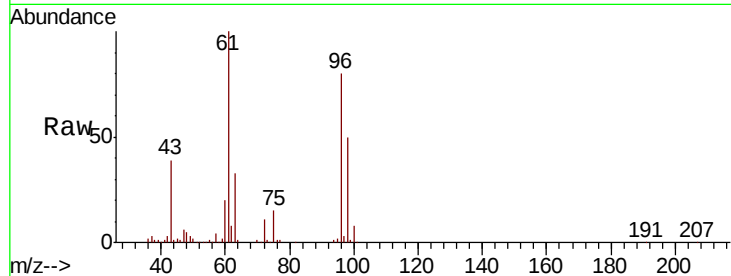


#22

cis-1,2-Dichloroethene
 Concen: 24.414 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VW004890.D
 Acq: 22 Aug 2018 18:09

Instrument :
 MSVOA_W
 ClientSampled :
 VICV86

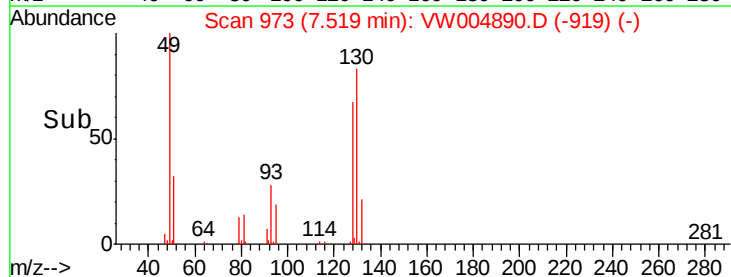
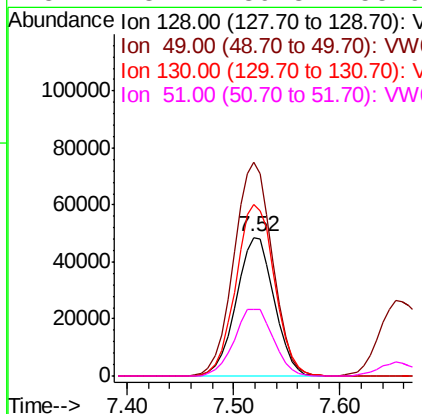
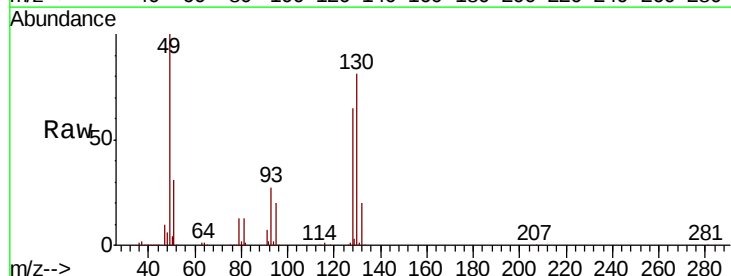
Tot Ion: 96 Resp: 238081
 Ion Ratio Lower Upper
 96 100
 61 125.7 89.7 166.7
 98 62.5 45.0 83.6

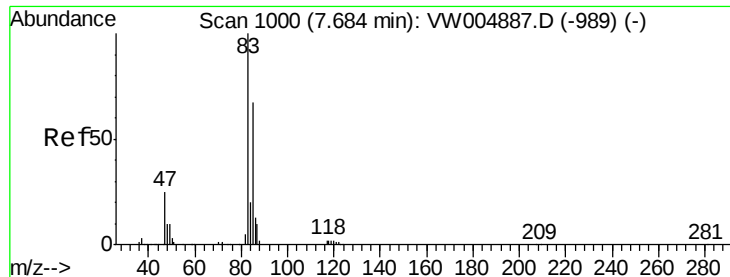


#23

Bromochloromethane
 Concen: 23.620 ug/L
 RT: 7.52 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VW004890.D
 Acq: 22 Aug 2018 18:09

Tgt Ion:128 Resp: 121629
 Ion Ratio Lower Upper
 128 100
 49 153.9 111.3 206.7
 130 123.9 90.2 167.6
 51 48.4 39.3 58.9

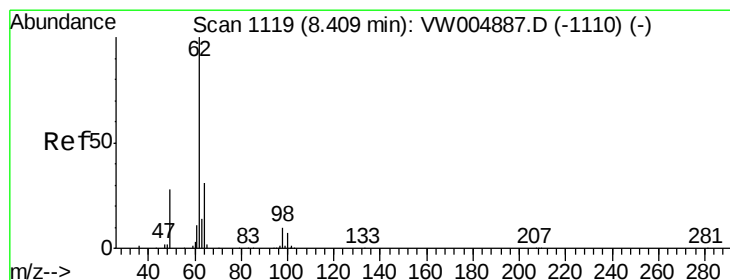
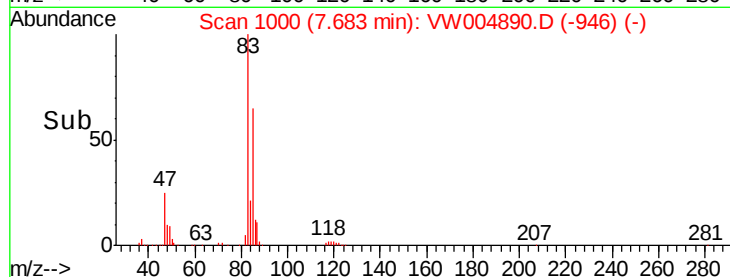
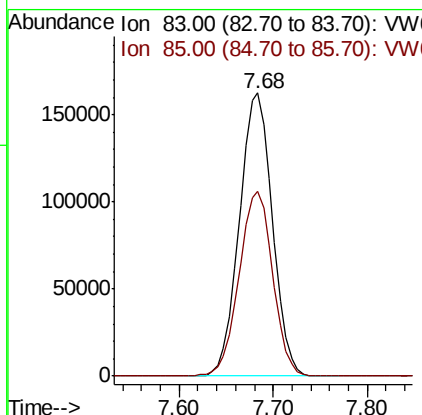
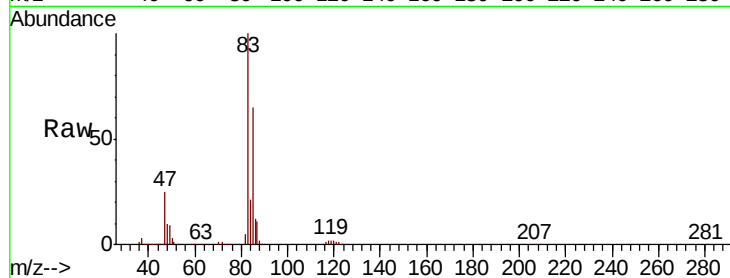




#25
Chloroform
Concen: 24.076 ug/L
RT: 7.68 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VW004890.D
Acq: 22 Aug 2018 18:09

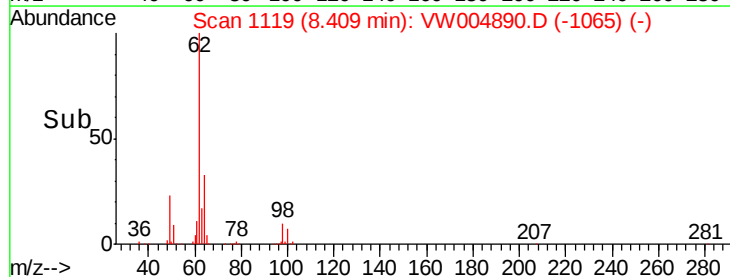
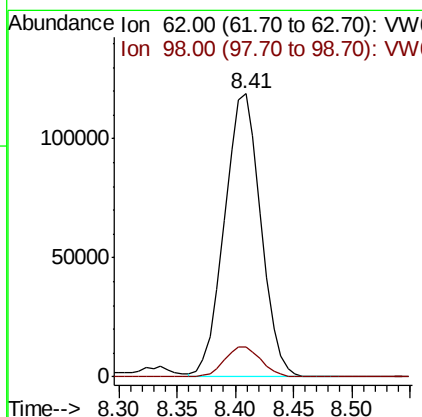
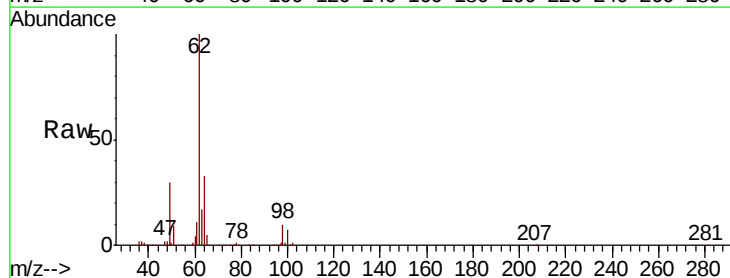
Instrument :
MSVOA_W
ClientSampled :
VICV86

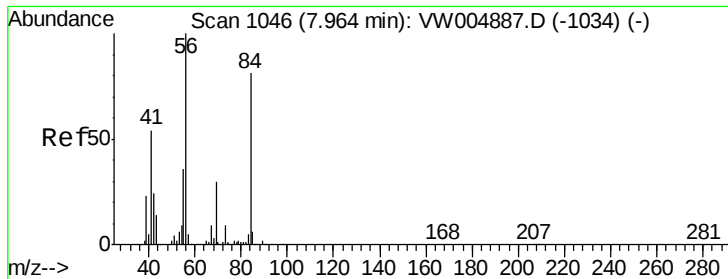
Tot Ion: 83 Resp: 398057
Ion Ratio Lower Upper
83 100
85 66.5 46.3 85.9



#27
1,2-Dichloroethane
Concen: 23.853 ug/L
RT: 8.41 min Scan# 1119
Delta R.T. -0.00 min
Lab File: VW004890.D
Acq: 22 Aug 2018 18:09

Tgt Ion: 62 Resp: 258498
Ion Ratio Lower Upper
62 100
98 10.4 8.0 12.0

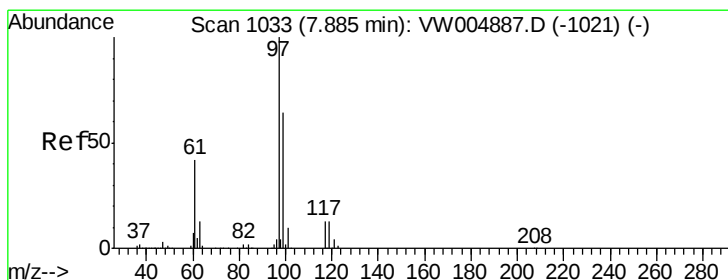
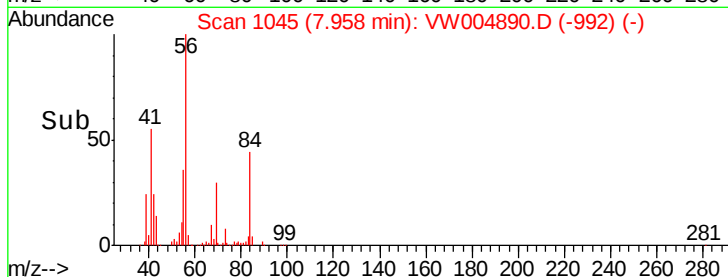
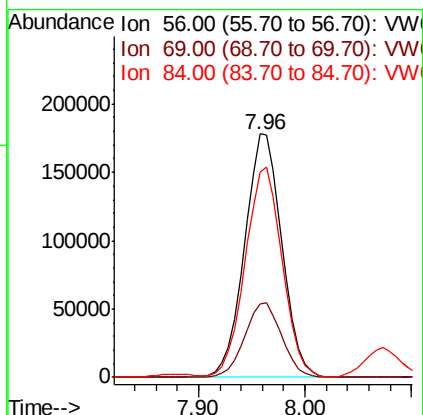
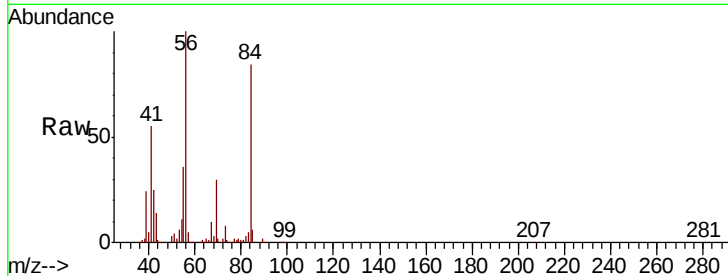




#30
Cyclohexane
Concen: 28.082 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VW004890.D
Acq: 22 Aug 2018 18:09

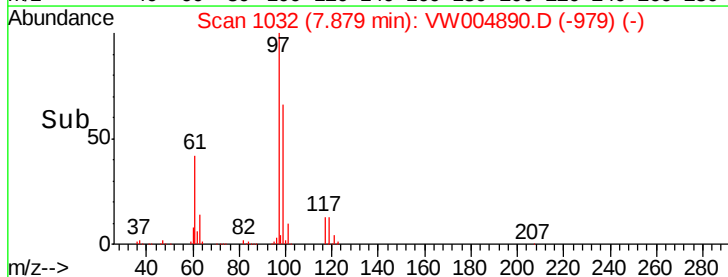
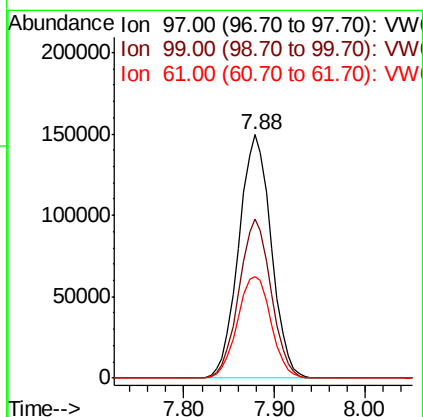
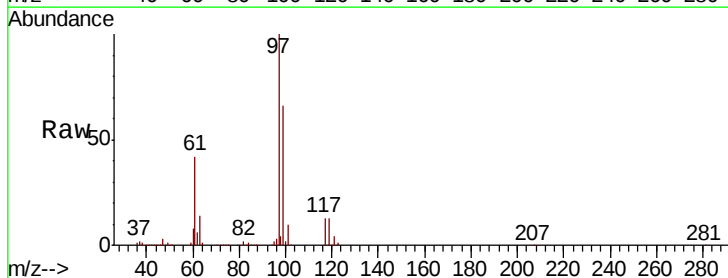
Instrument :
MSVOA_W
ClientSampleId :
VICV86

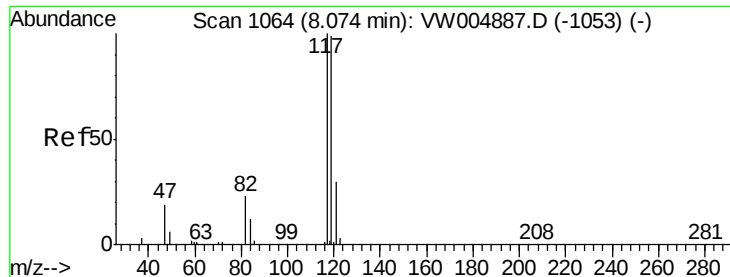
Tot Ion: 56 Resp: 437328
Ion Ratio Lower Upper
56 100
69 30.6 24.1 36.1
84 86.0 67.7 101.5



#31
1,1,1-Trichloroethane
Concen: 26.291 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VW004890.D
Acq: 22 Aug 2018 18:09

Tgt Ion: 97 Resp: 370462
Ion Ratio Lower Upper
97 100
99 64.6 51.2 76.8
61 43.3 34.9 52.3





#32

Carbon tetrachloride

Concen: 26.351 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VW004890.D

Acq: 22 Aug 2018 18:09

Instrument :

MSVOA_W

ClientSampled :

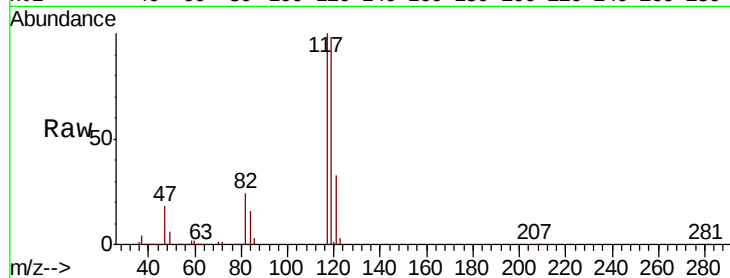
VICV86

Tot Ion:117 Resp: 332112

Ion Ratio Lower Upper

117 100

119 96.2 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

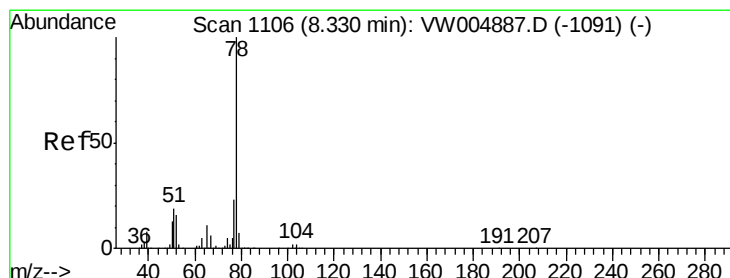
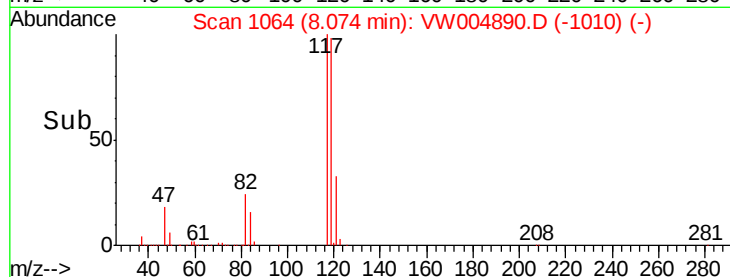
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 26.119 ug/L

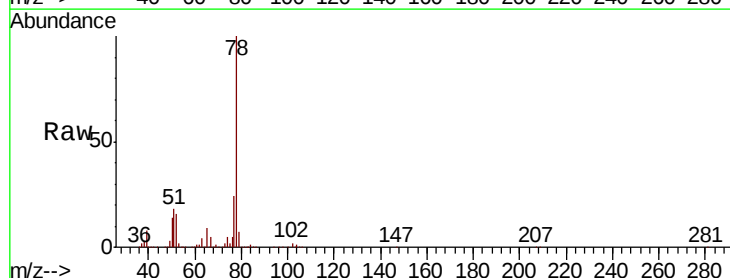
RT: 8.33 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VW004890.D

Acq: 22 Aug 2018 18:09

Tgt Ion: 78 Resp: 1089473



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

500000

400000

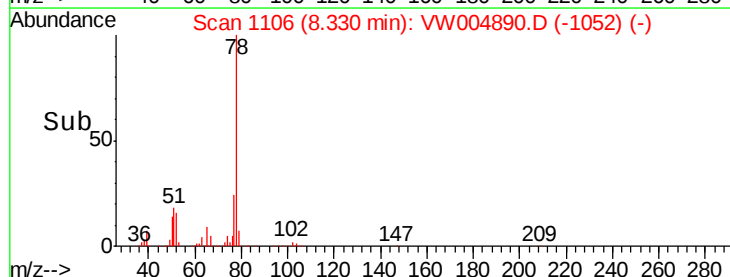
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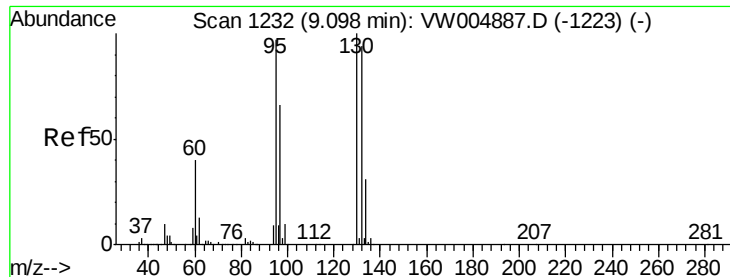
200000

100000

0

Time-->

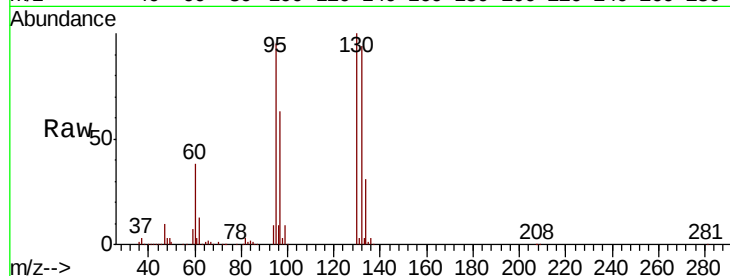




#35
 Trichloroethene
 Concen: 26.060 ug/L
 RT: 9.10 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VW004890.D
 Acq: 22 Aug 2018 18:09

Instrument :
 MSVOA_W
 ClientSampled :
 VICV86

Tot Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.9	85.3
132	98.3	69.2	128.4
130	102.9	72.7	135.1



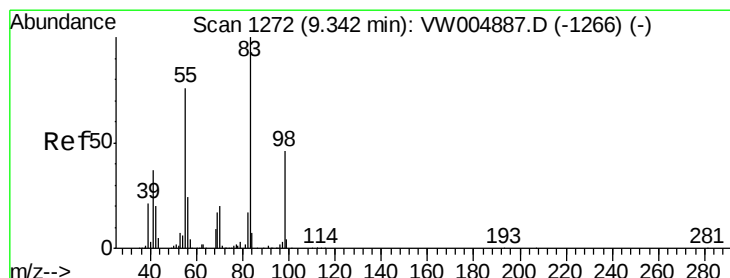
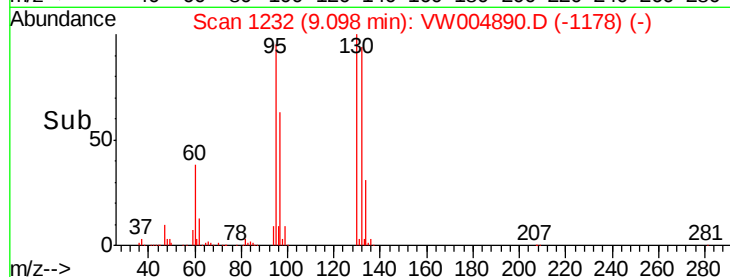
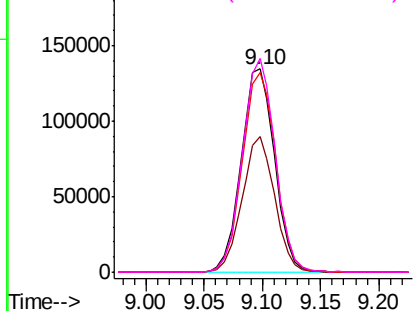
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

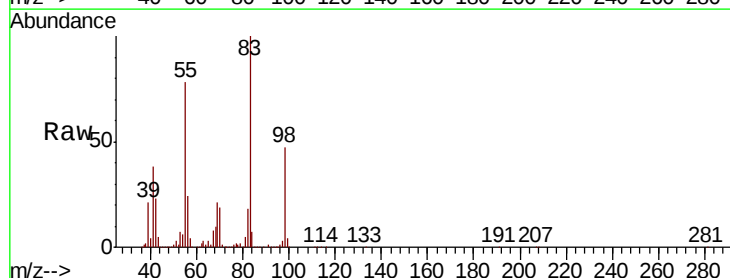
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 25.547 ug/L
 RT: 9.34 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VW004890.D
 Acq: 22 Aug 2018 18:09

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.1	91.7
98	46.7	37.0	55.4

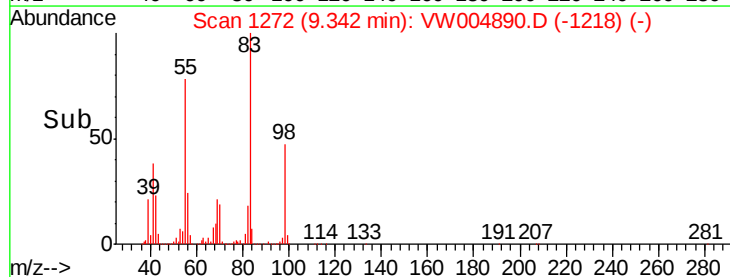
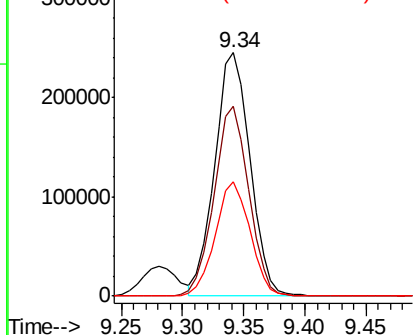


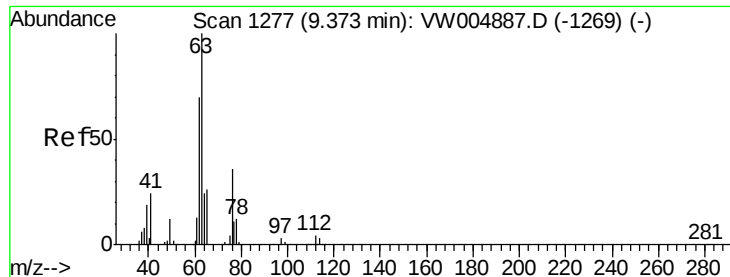
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

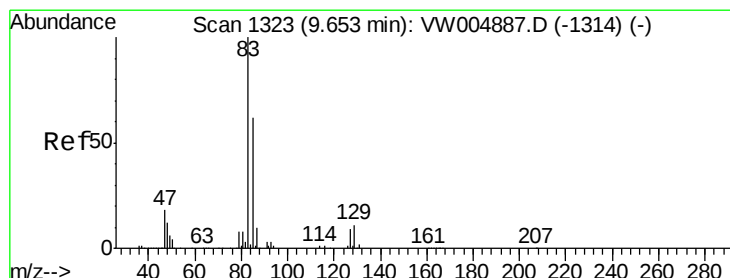
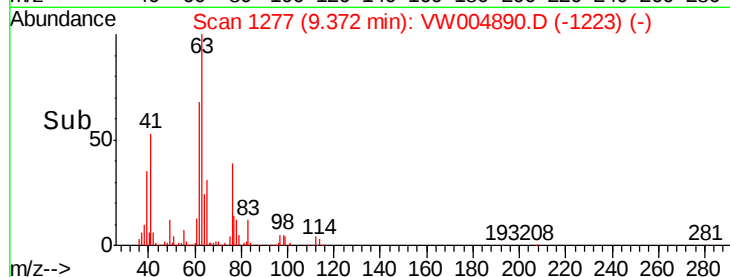
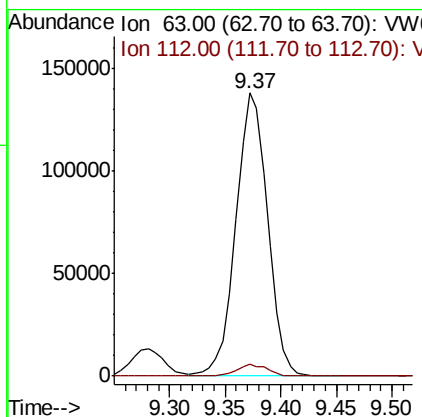
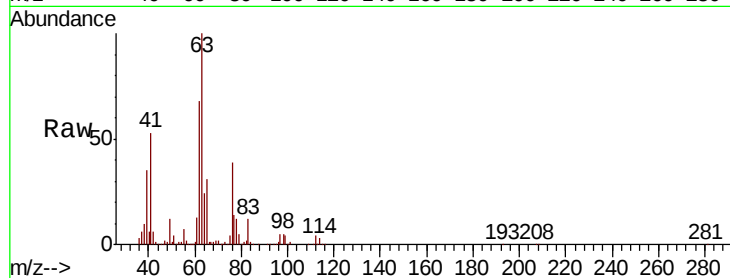




#40
 1,2-Dichloropropane
 Concen: 26.507 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004890.D
 Acq: 22 Aug 2018 18:09

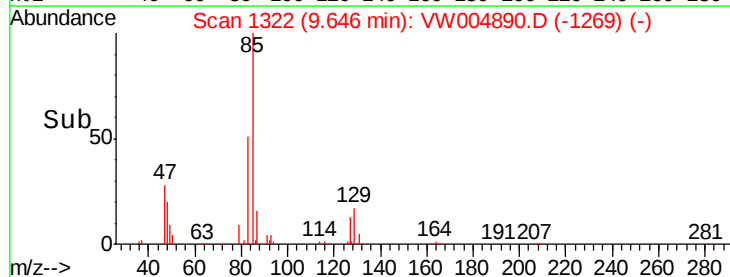
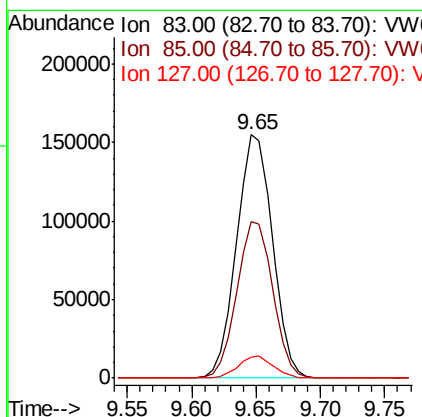
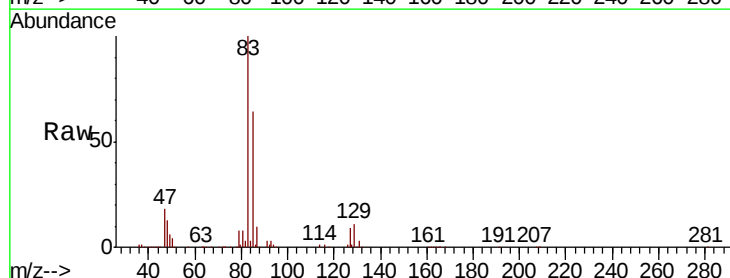
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV86

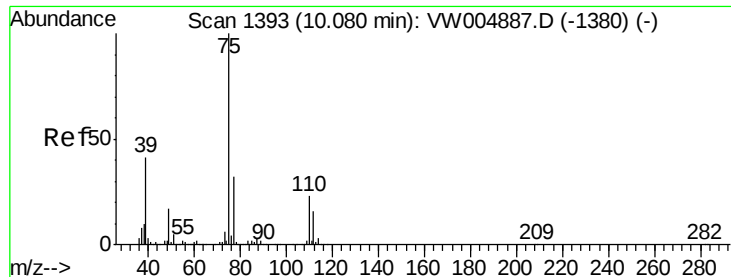
Tot Ion: 63 Resp: 271986
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.2 4.8



#41
 Bromodichloromethane
 Concen: 26.531 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VW004890.D
 Acq: 22 Aug 2018 18:09

Tgt Ion: 83 Resp: 299965
 Ion Ratio Lower Upper
 83 100
 85 64.5 43.6 81.0
 127 8.6 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 26.317 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW004890.D

Acq: 22 Aug 2018 18:09

Instrument :

MSVOA_W

ClientSampleId :

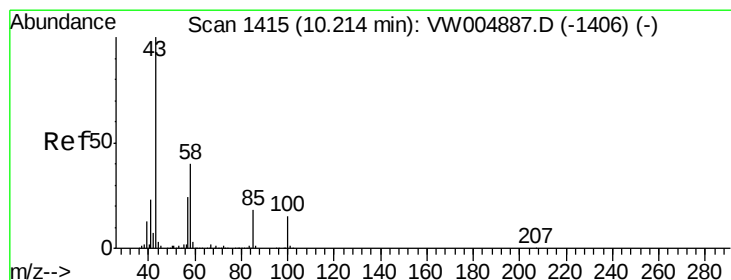
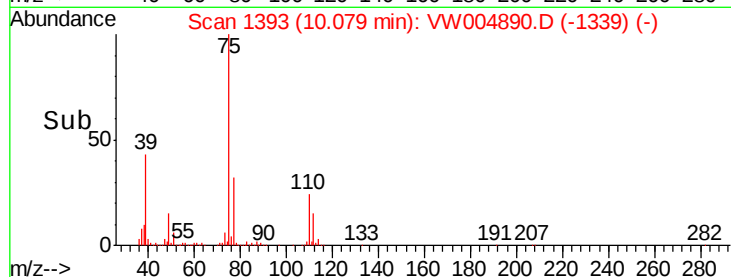
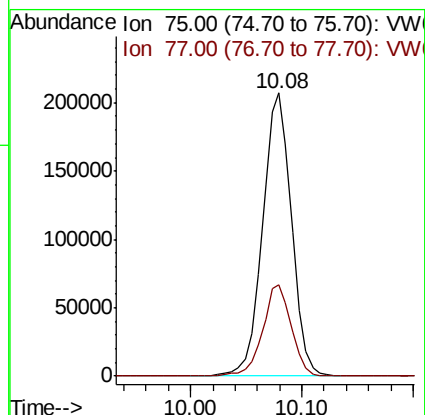
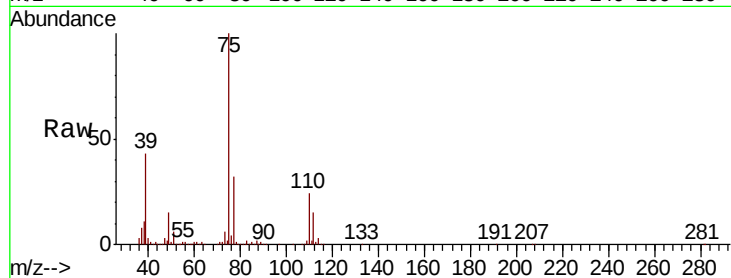
VICV86

Tot Ion: 75 Resp: 374843

Ion Ratio Lower Upper

75 100

77 32.4 22.4 41.6



#43

4-Methyl-2-pentanone

Concen: 45.996 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004890.D

Acq: 22 Aug 2018 18:09

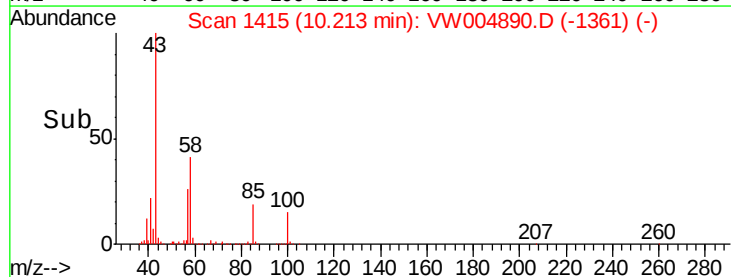
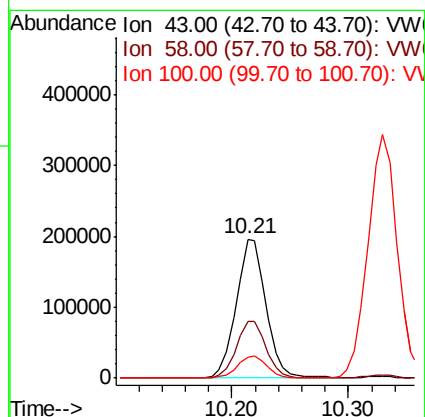
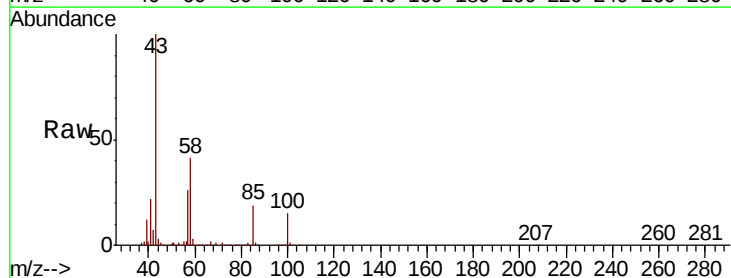
Tgt Ion: 43 Resp: 348404

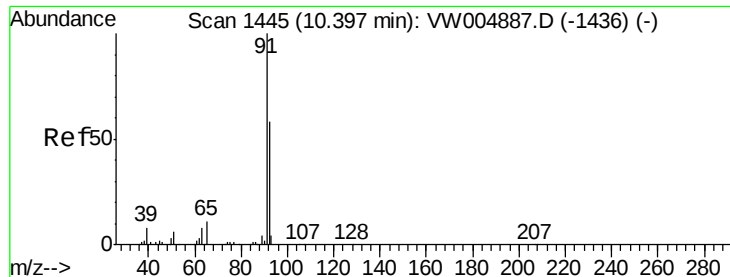
Ion Ratio Lower Upper

43 100

58 41.1 32.1 48.1

100 15.8 12.6 18.8





#44

Toluene

Concen: 25.611 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW004890.D

Acq: 22 Aug 2018 18:09

Instrument :

MSVOA_W

ClientSampled :

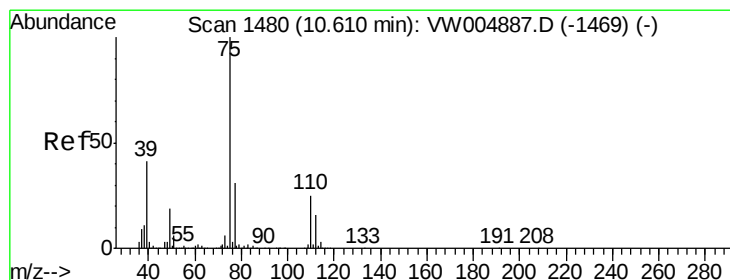
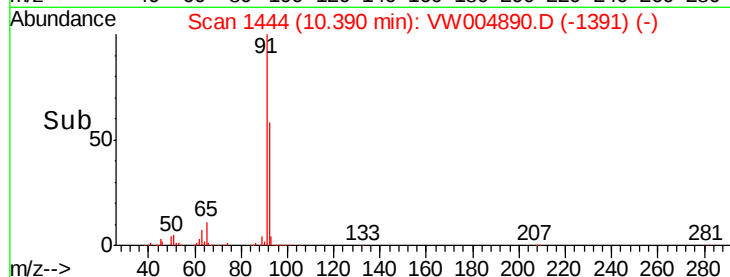
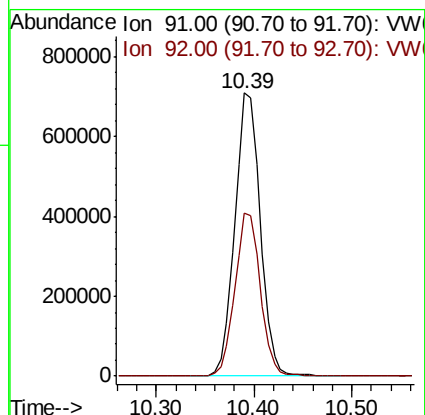
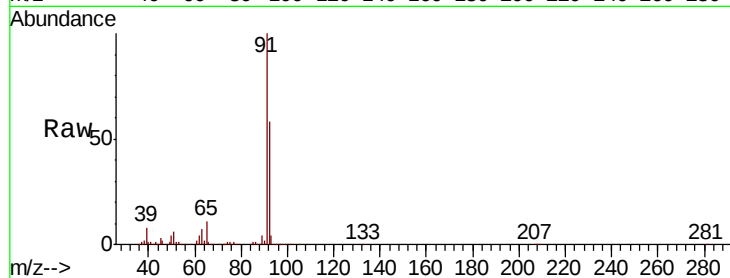
VICV86

Tot Ion: 91 Resp: 1282945

Ion Ratio Lower Upper

91 100

92 57.8 40.6 75.4



#45

trans-1,3-Dichloropropene

Concen: 25.710 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004890.D

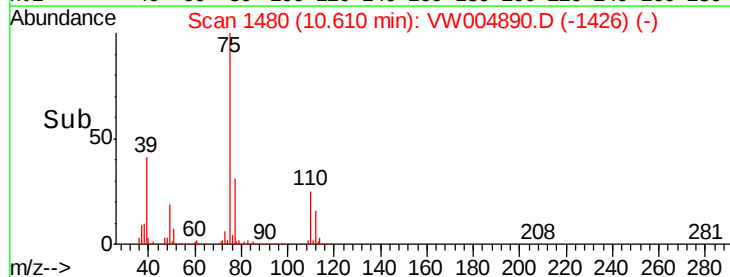
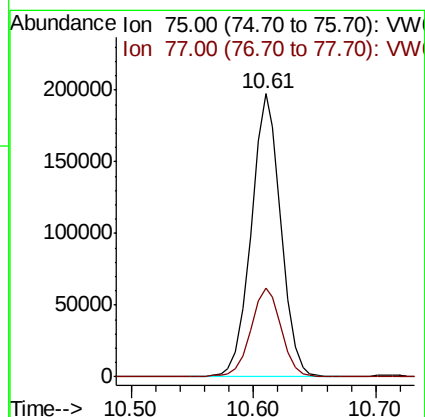
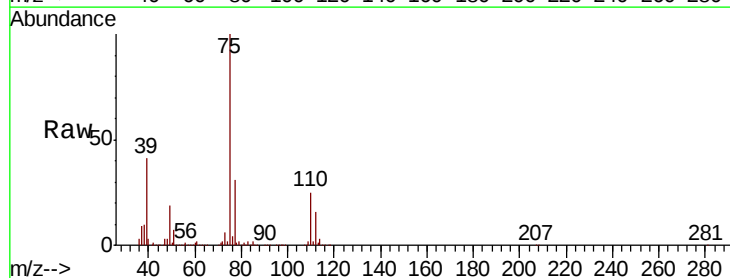
Acq: 22 Aug 2018 18:09

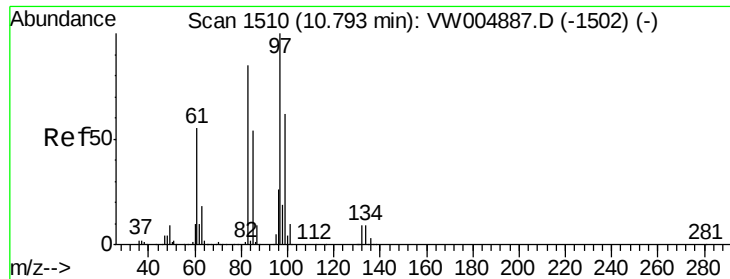
Tgt Ion: 75 Resp: 332118

Ion Ratio Lower Upper

75 100

77 31.5 22.2 41.2





#46

1,1,2-Trichloroethane

Concen: 25.056 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW004890.D

Acq: 22 Aug 2018 18:09

Instrument :

MSVOA_W

ClientSampleId :

VICV86

Tot Ion: 97 Resp: 200671

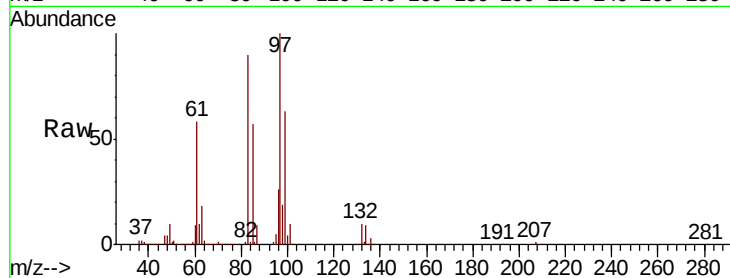
Ion Ratio Lower Upper

97 100

83 90.0 59.6 110.8

85 56.6 38.1 70.9

99 63.2 43.8 81.3

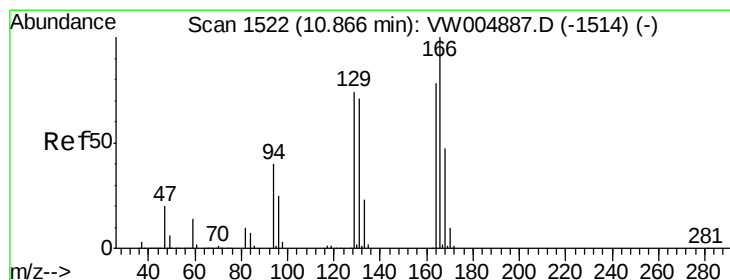
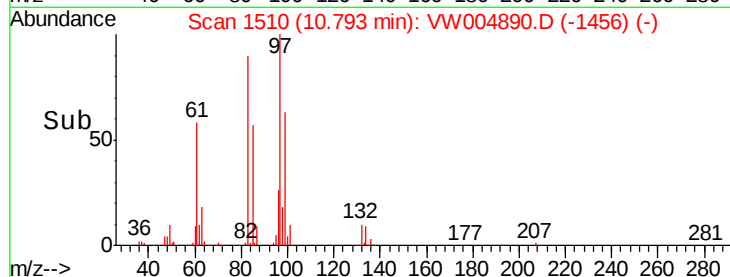
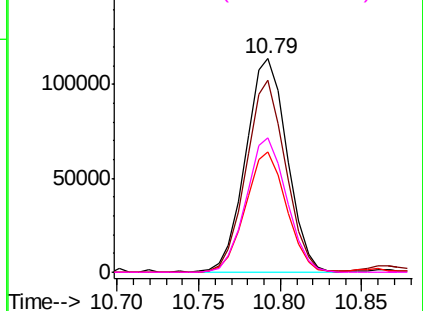


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.520 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VW004890.D

Acq: 22 Aug 2018 18:09

Tgt Ion: 164 Resp: 248988

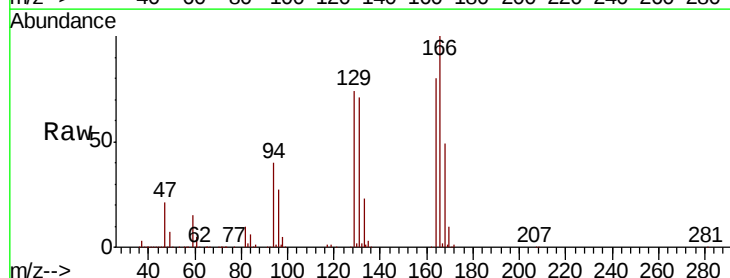
Ion Ratio Lower Upper

164 100

129 91.7 66.8 124.0

131 88.7 64.0 119.0

166 124.6 89.8 166.8

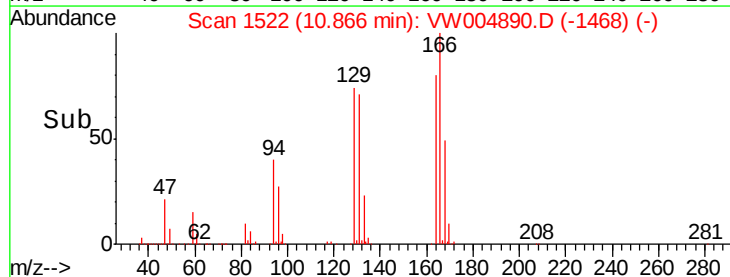
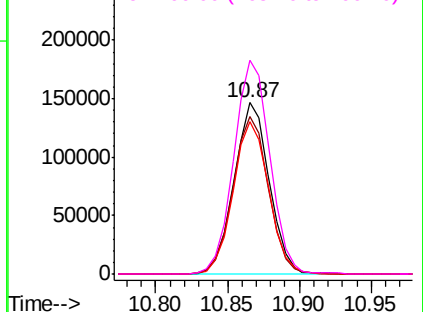


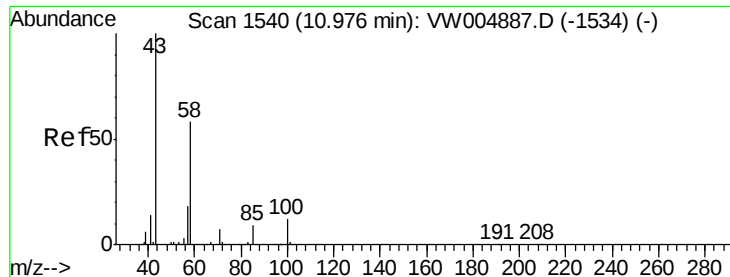
Abundance Ion 164.00 (163.70 to 164.70): V

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

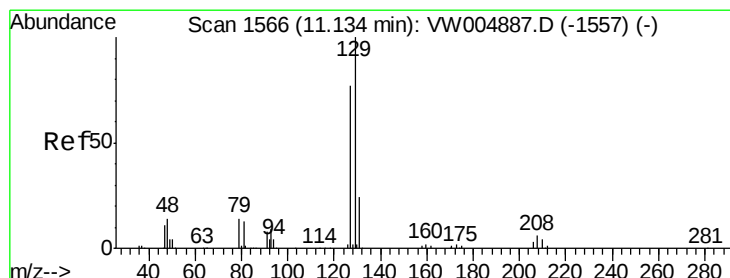
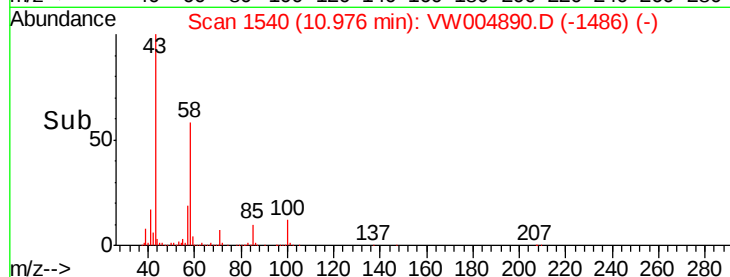
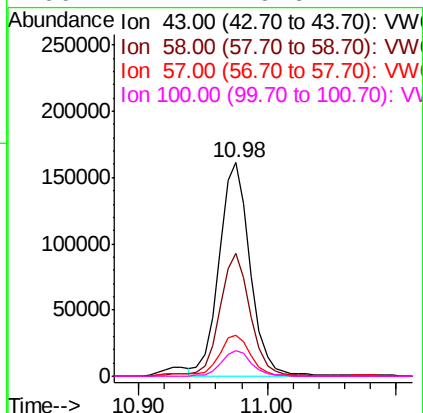
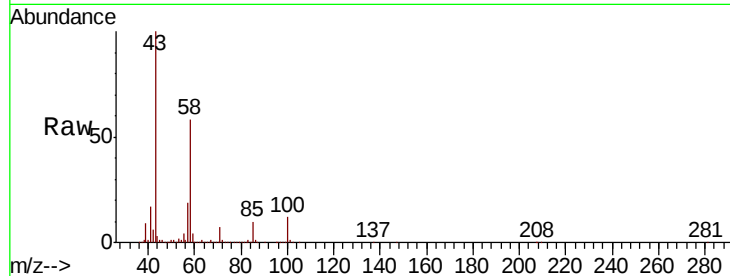




#49
2-Hexanone
Concen: 46.661 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004890.D
Acq: 22 Aug 2018 18:09

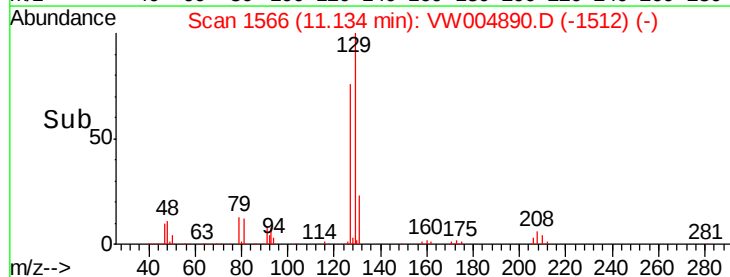
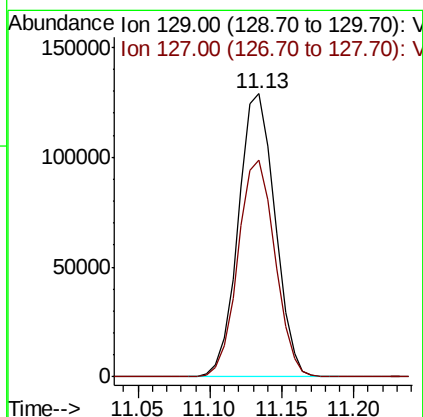
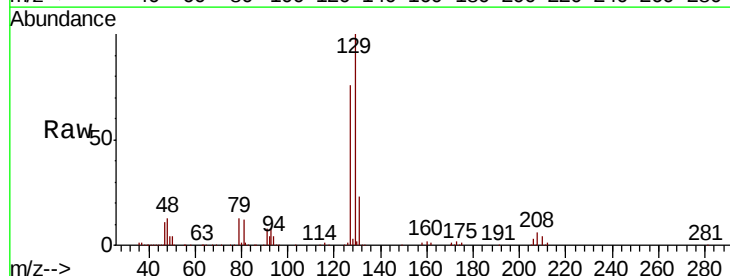
Instrument :
MSVOA_W
ClientSampleId :
VICV86

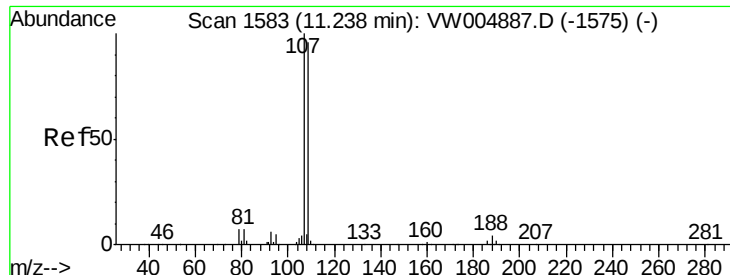
Tot Ion:	43	Resp:	273131
Ion	Ratio	Lower	Upper
43	100		
58	55.9	44.6	67.0
57	19.1	15.4	23.2
100	11.7	9.6	14.4



#50
Dibromochloromethane
Concen: 25.643 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004890.D
Acq: 22 Aug 2018 18:09

Tgt Ion:	129	Resp:	228009
Ion	Ratio	Lower	Upper
129	100		
127	76.4	53.8	99.8

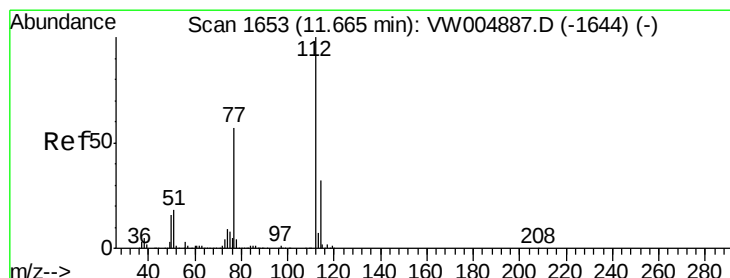
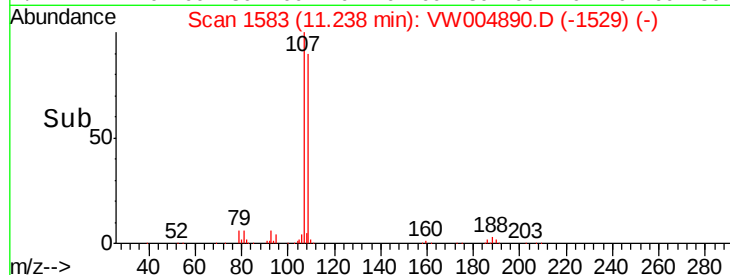
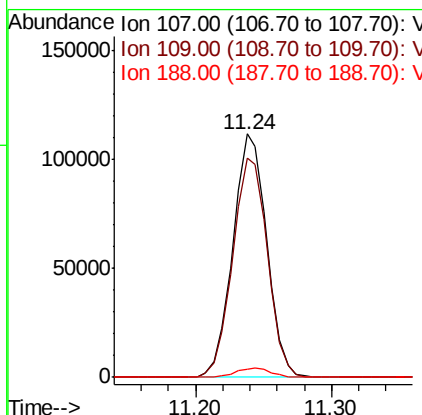
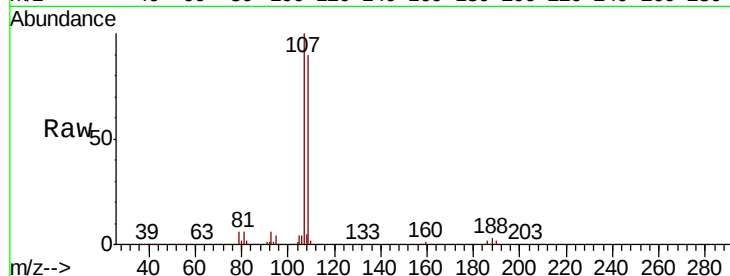




#51
1,2-Dibromoethane
Concen: 24.600 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VW004890.D
Acq: 22 Aug 2018 18:09

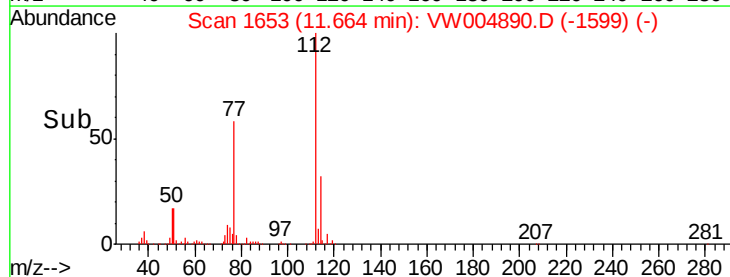
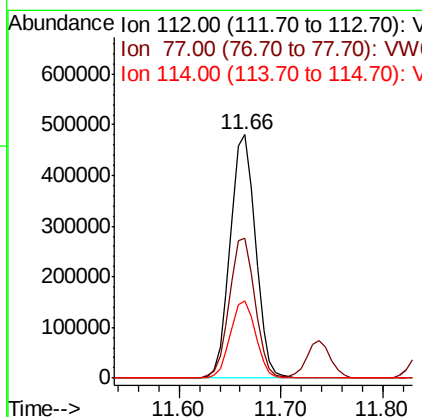
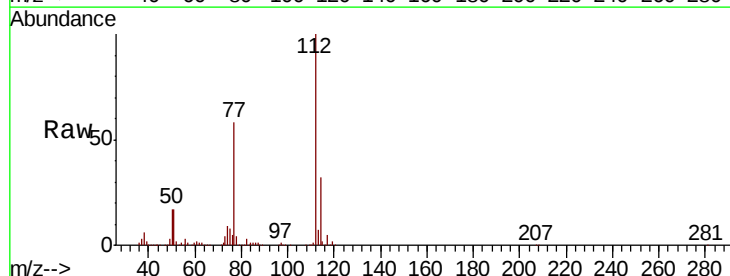
Instrument :
MSVOA_W
ClientSampleId :
VICV86

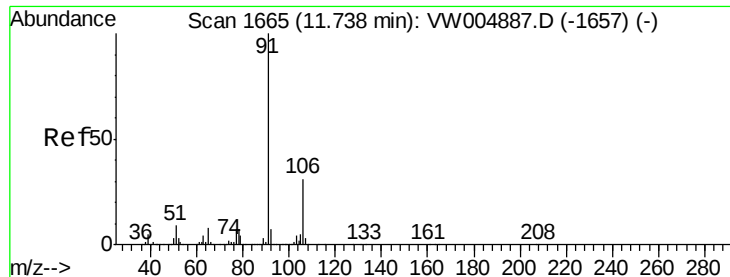
Tot Ion	Ratio	Lower	Upper
107	100		
109	90.1	67.3	124.9
188	3.5	3.0	4.6



#52
Chlorobenzene
Concen: 24.649 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW004890.D
Acq: 22 Aug 2018 18:09

Tgt Ion	Ratio	Lower	Upper
112	100		
77	57.7	45.8	68.8
114	31.8	22.5	41.7





#53

Ethylbenzene

Concen: 25.450 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004890.D

Acq: 22 Aug 2018 18:09

Instrument :

MSVOA_W

ClientSampleId :

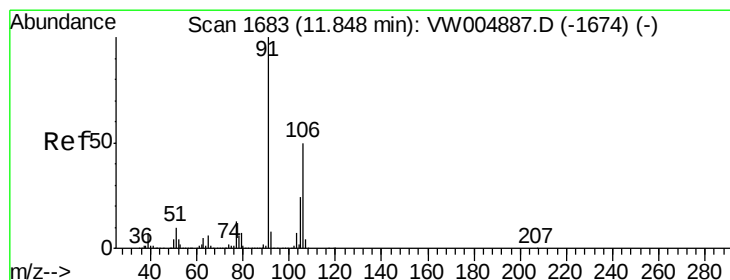
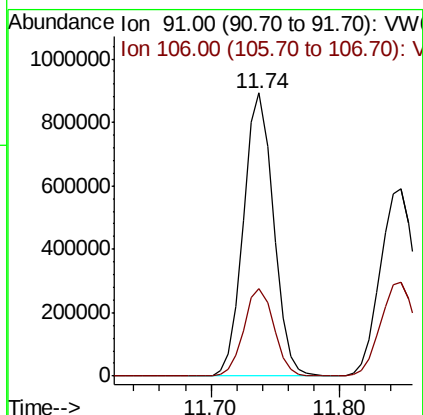
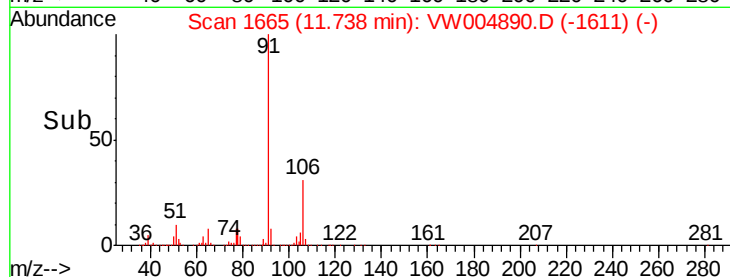
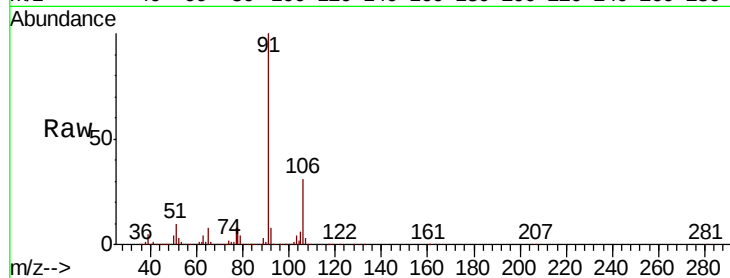
VICV86

Tot Ion: 91 Resp: 1434562

Ion Ratio Lower Upper

91 100

106 31.1 21.6 40.2



#54

m,p-Xylene

Concen: 25.790 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004890.D

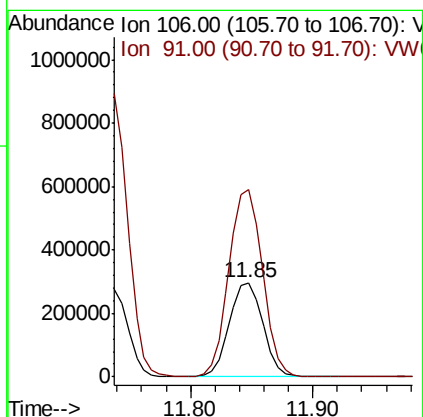
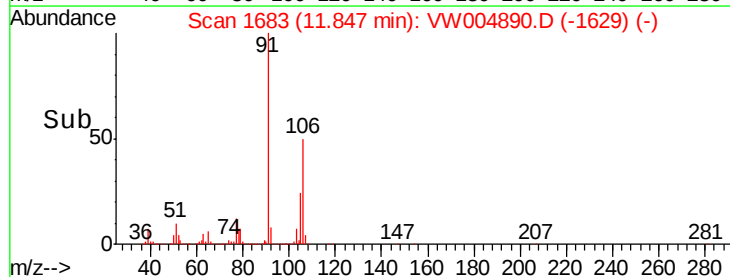
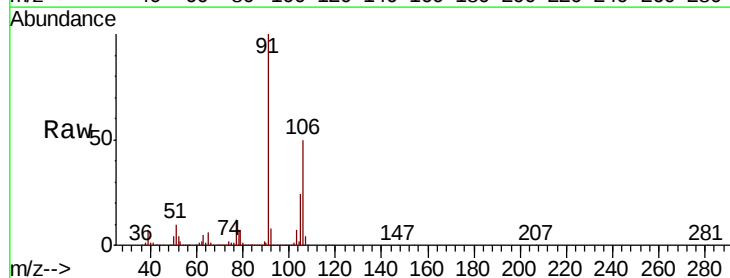
Acq: 22 Aug 2018 18:09

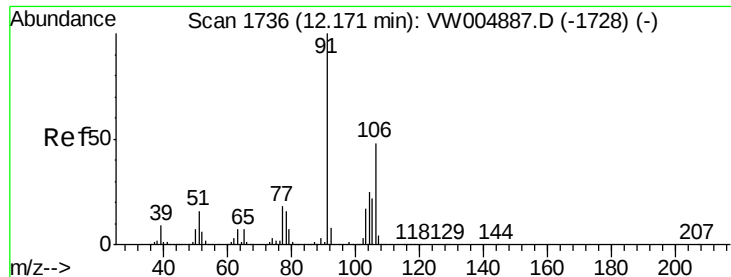
Tgt Ion:106 Resp: 563957

Ion Ratio Lower Upper

106 100

91 199.0 141.4 262.6





#55

o-xylene

Concen: 26.101 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004890.D

Acq: 22 Aug 2018 18:09

Instrument :

MSVOA_W

ClientSampled :

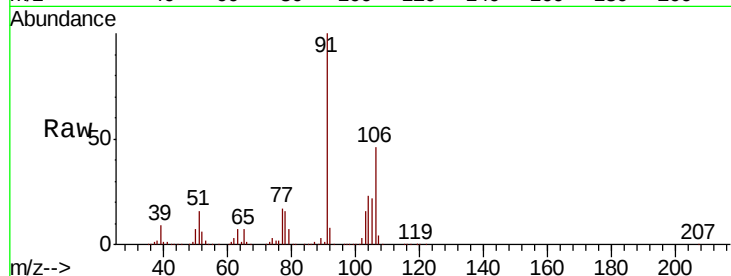
VICV86

Tot Ion:106 Resp: 533290

Ion Ratio Lower Upper

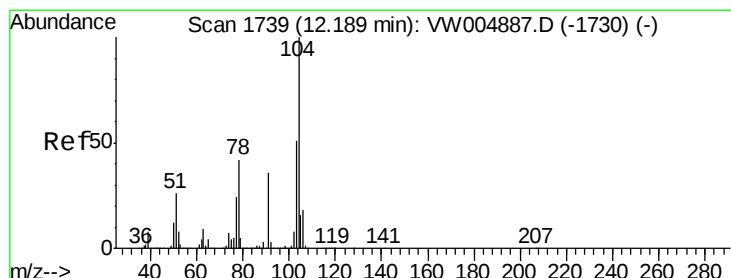
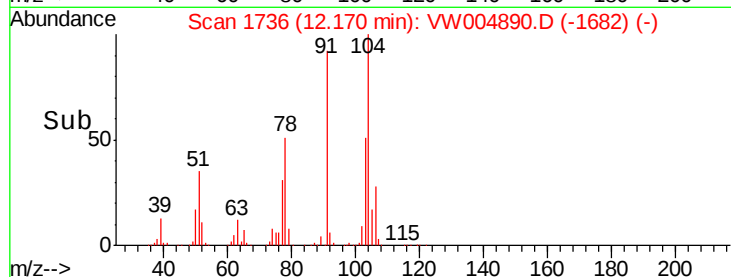
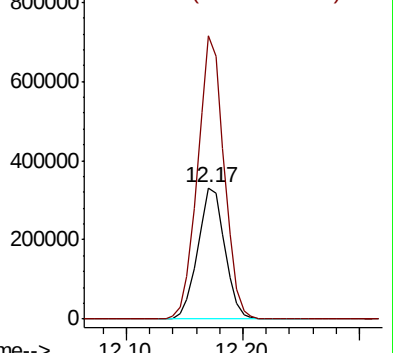
106 100

91 215.6 147.0 273.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.196 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW004890.D

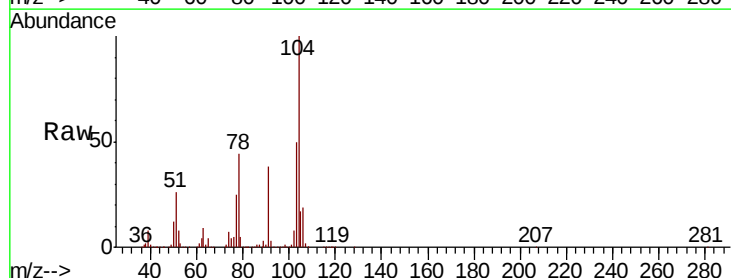
Acq: 22 Aug 2018 18:09

Tgt Ion:104 Resp: 919591

Ion Ratio Lower Upper

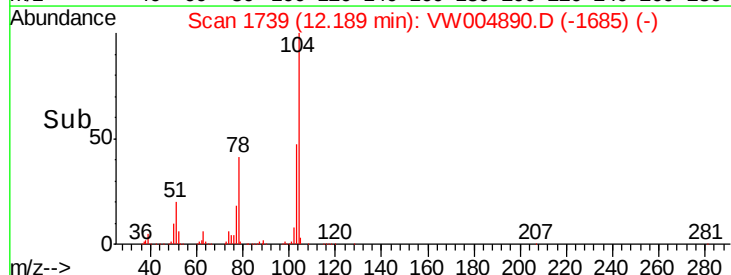
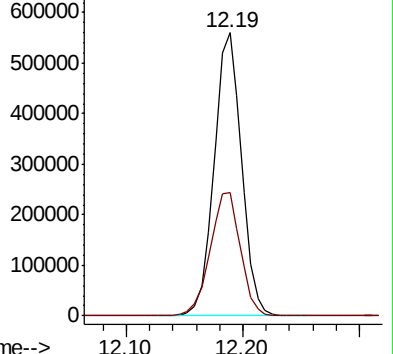
104 100

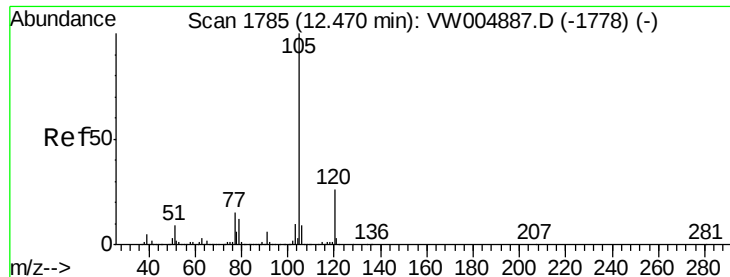
78 43.7 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.965 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004890.D

Acq: 22 Aug 2018 18:09

Instrument :

MSVOA_W

ClientSampleId :

VICV86

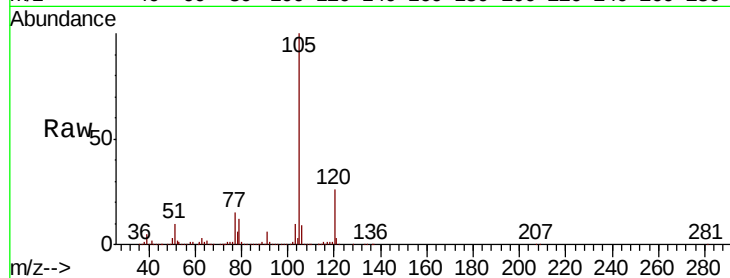
Tot Ion:105 Resp: 1417033

Ion Ratio Lower Upper

105 100

120 26.5 21.3 31.9

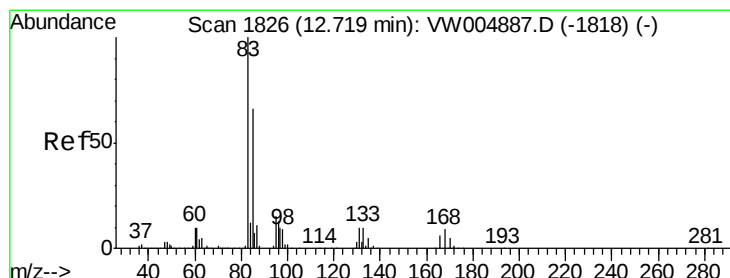
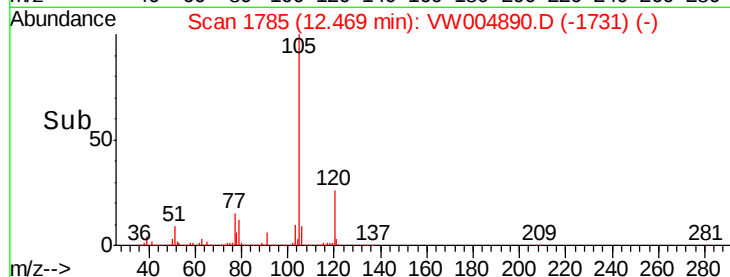
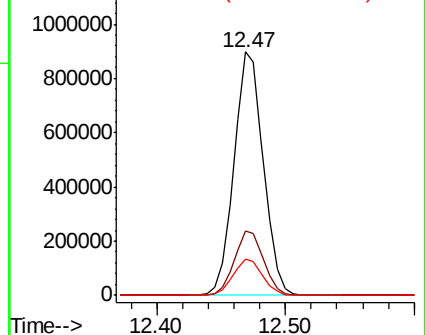
77 15.0 12.0 18.0



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: 23.683 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004890.D

Acq: 22 Aug 2018 18:09

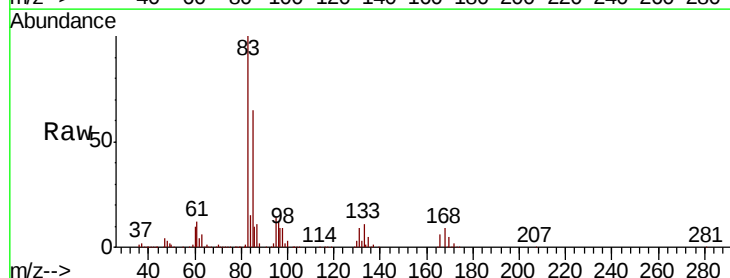
Tgt Ion: 83 Resp: 270332

Ion Ratio Lower Upper

83 100

85 64.8 46.3 85.9

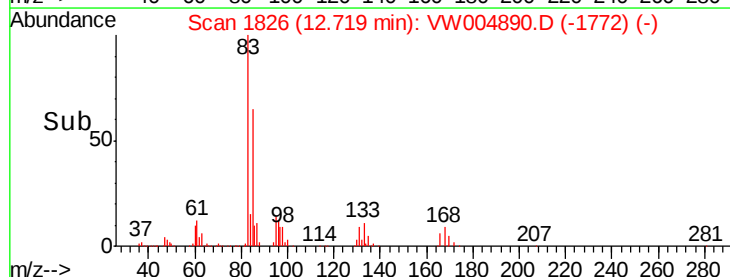
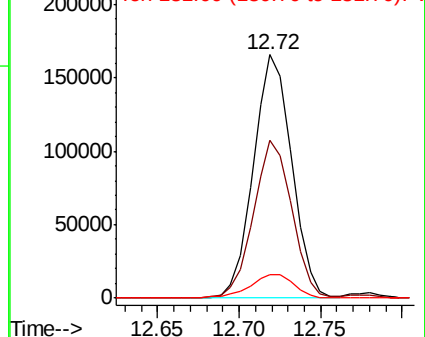
131 9.5 7.8 11.6

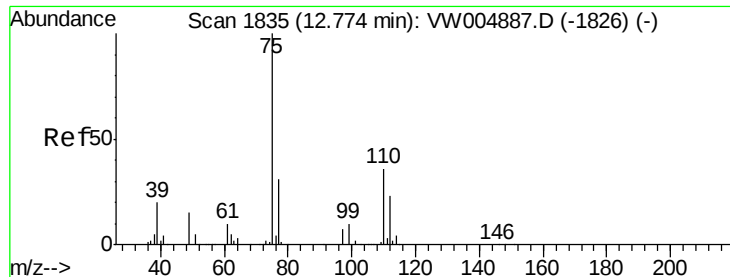


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.436 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004890.D

Acq: 22 Aug 2018 18:09

Instrument :

MSVOA_W

ClientSampled :

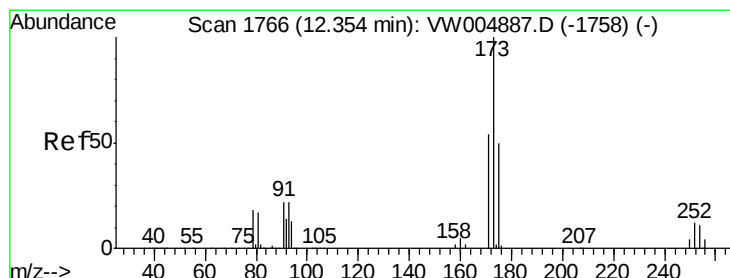
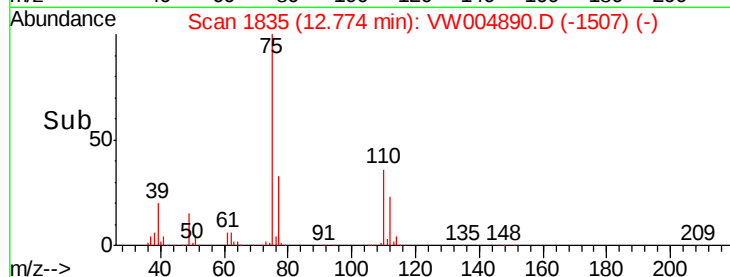
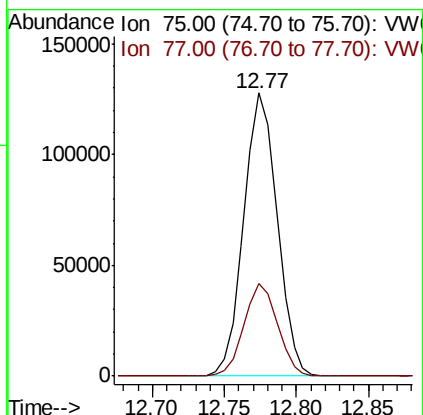
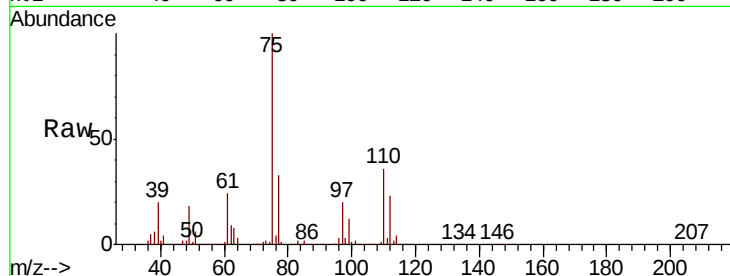
VICV86

Tot Ion: 75 Resp: 206138

Ion Ratio Lower Upper

75 100

77 32.9 25.3 37.9



#62

Bromoform

Concen: 24.095 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004890.D

Acq: 22 Aug 2018 18:09

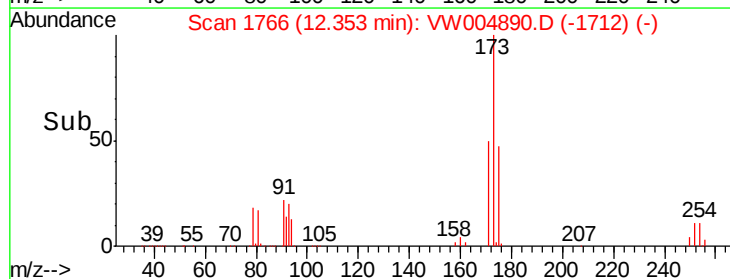
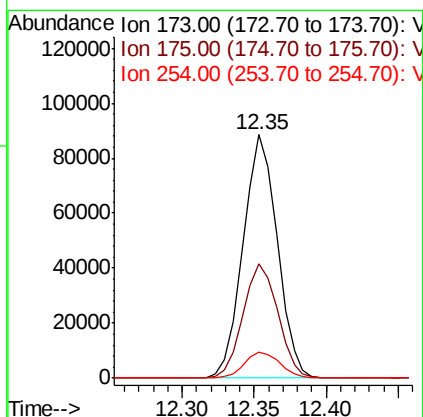
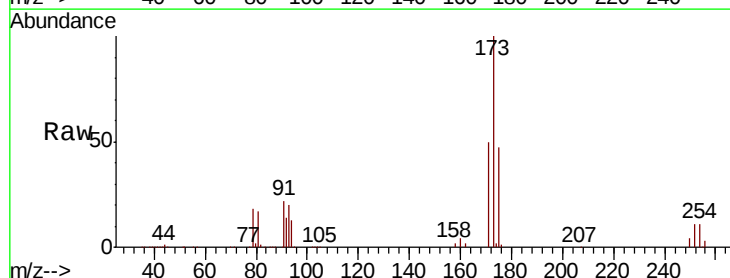
Tgt Ion: 173 Resp: 145528

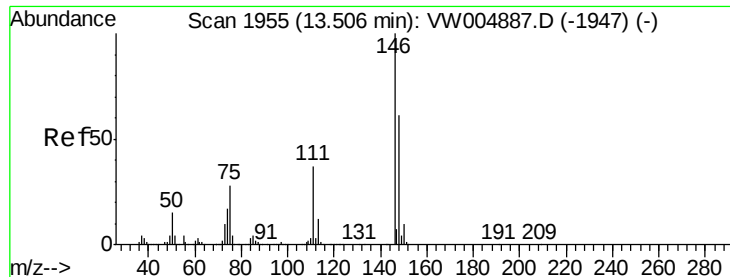
Ion Ratio Lower Upper

173 100

175 47.9 39.0 58.6

254 11.0 9.0 13.6

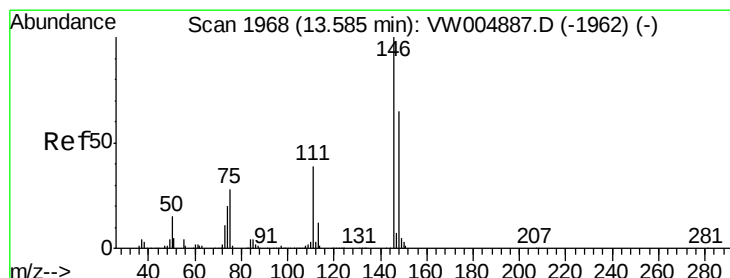
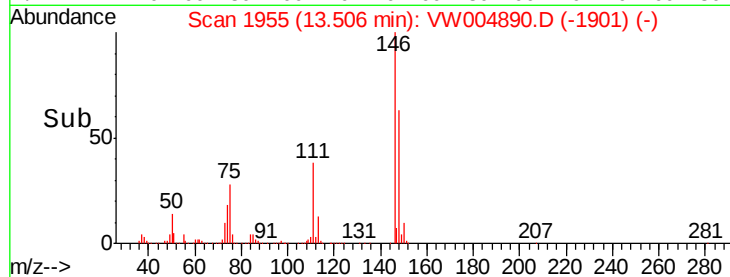
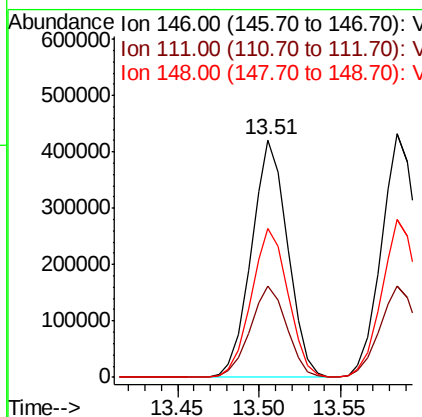
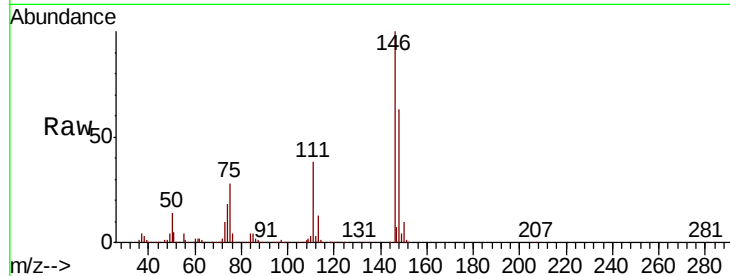




#63
 1,3-Dichlorobenzene
 Concen: 24.798 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004890.D
 Acq: 22 Aug 2018 18:09

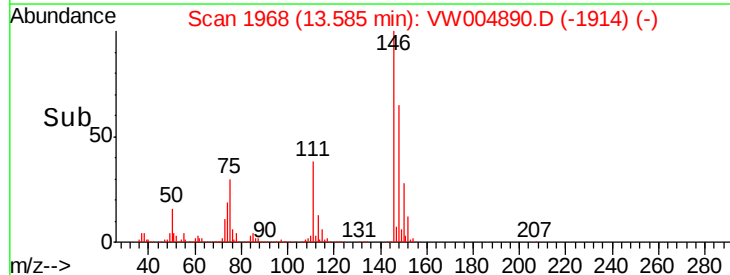
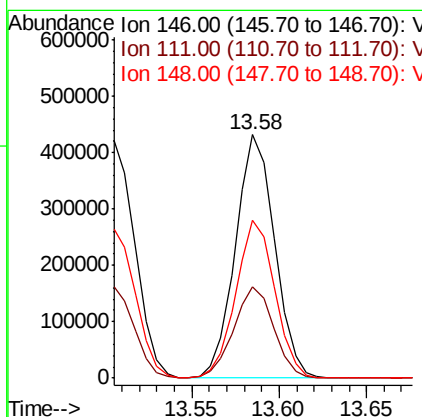
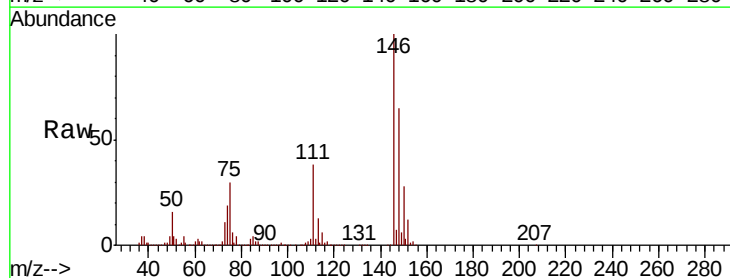
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV86

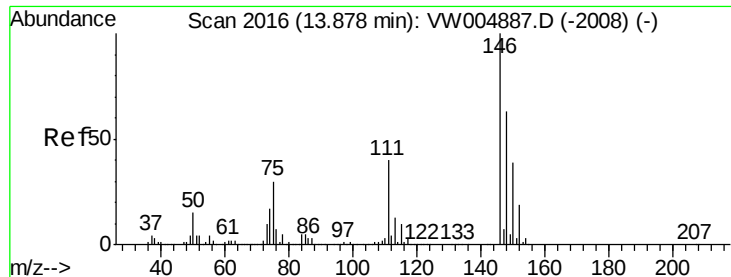
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	25.6	47.6
148	62.5	42.7	79.3



#64
 1,4-Dichlorobenzene
 Concen: 24.493 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004890.D
 Acq: 22 Aug 2018 18:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	27.6	51.4
148	64.9	45.8	85.0





#65

1,2-Dichlorobenzene

Concen: 24.975 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004890.D

Acq: 22 Aug 2018 18:09

Instrument :

MSVOA_W

ClientSampleId :

VICV86

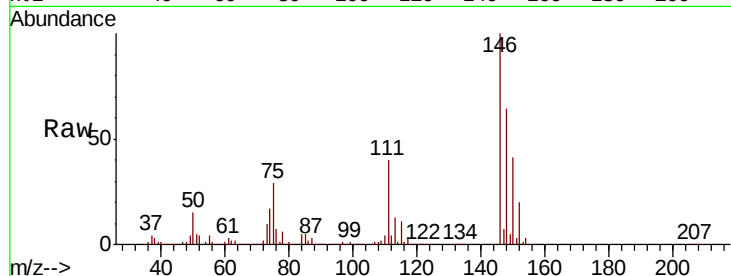
Tot Ion:146 Resp: 628050

Ion Ratio Lower Upper

146 100

111 39.8 32.0 48.0

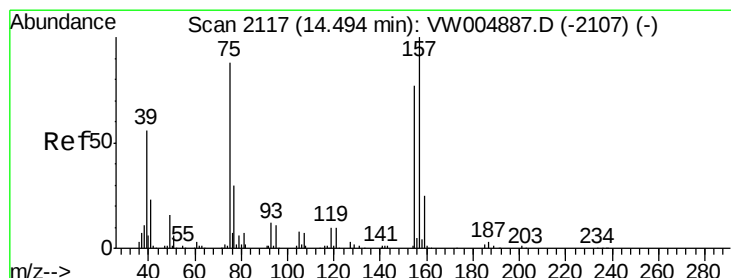
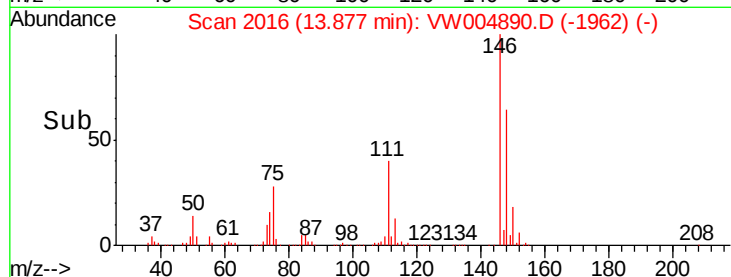
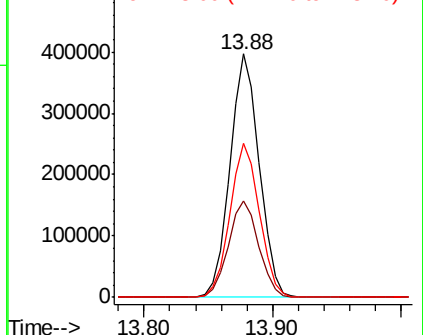
148 63.5 50.6 75.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 21.758 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW004890.D

Acq: 22 Aug 2018 18:09

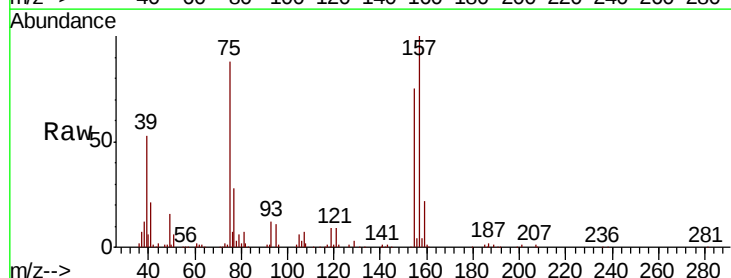
Tgt Ion: 75 Resp: 46399

Ion Ratio Lower Upper

75 100

157 114.1 90.7 136.1

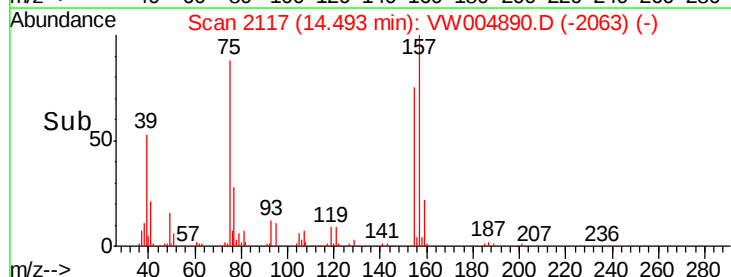
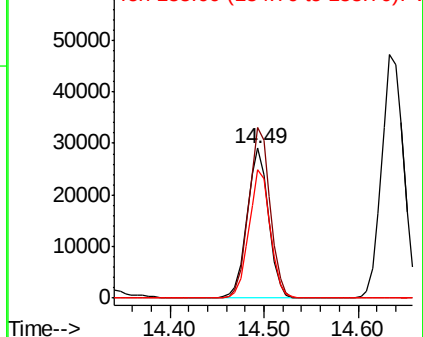
155 85.5 69.5 104.3

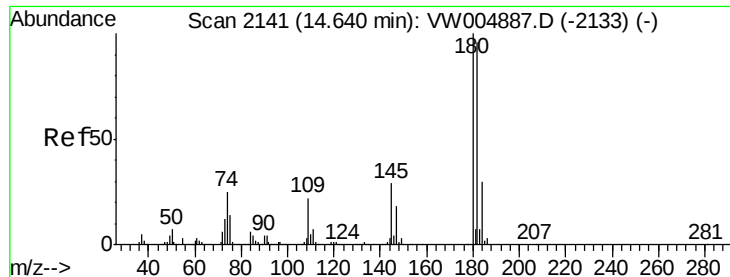


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

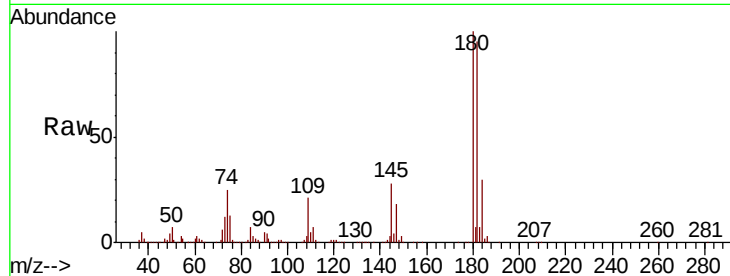




#67
 1,3,5-Trichlorobenzene
 Concen: 24.641 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004890.D
 Acq: 22 Aug 2018 18:09

Instrument :
 MSVOA_W
 ClientSampled :
 VICV86

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.0	114.0
184	30.5	24.3	36.5
145	28.6	23.0	34.6



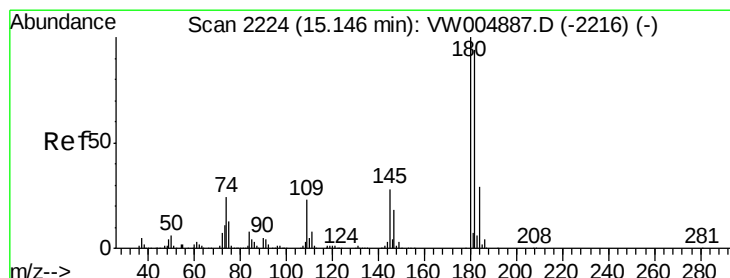
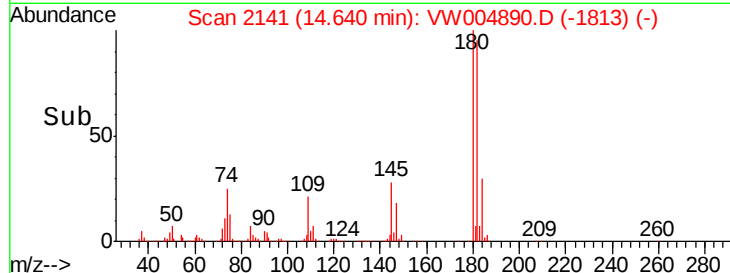
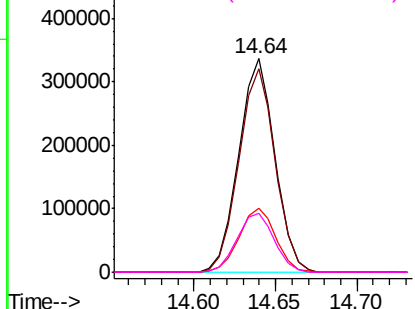
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

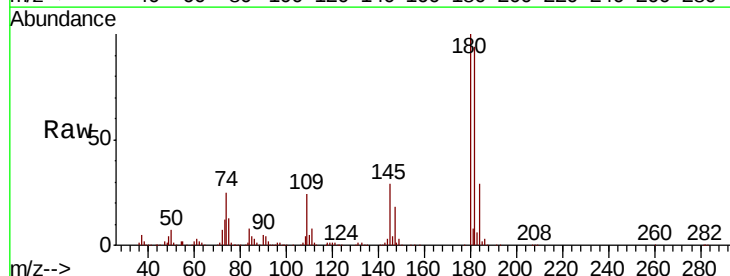
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.156 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004890.D
 Acq: 22 Aug 2018 18:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.1	114.1
145	28.9	23.3	34.9

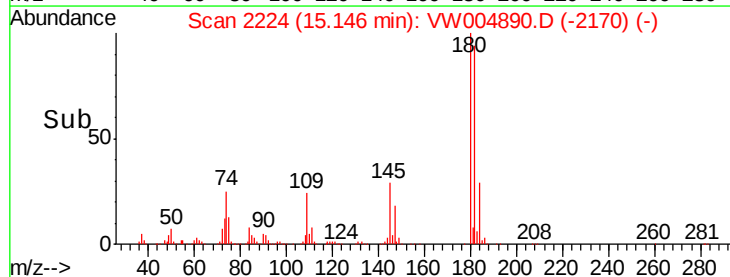
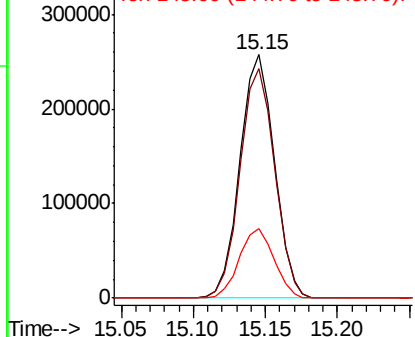


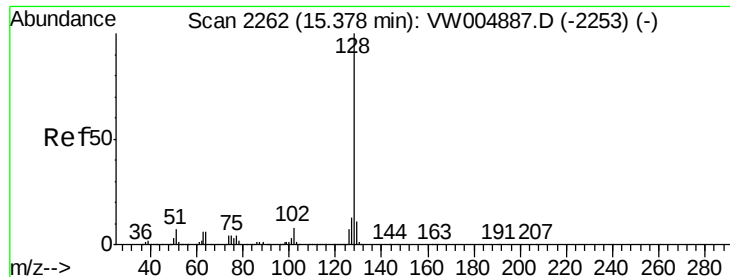
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 25.474 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004890.D

Acq: 22 Aug 2018 18:09

Instrument :

MSVOA_W

ClientSampleId :

VICV86

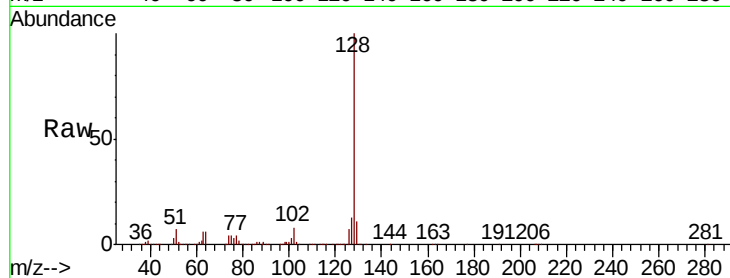
Tot Ion:128 Resp: 877949

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

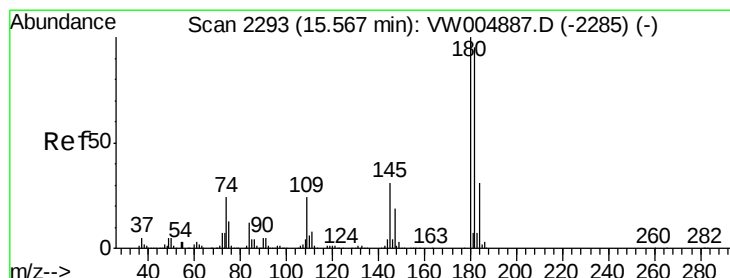
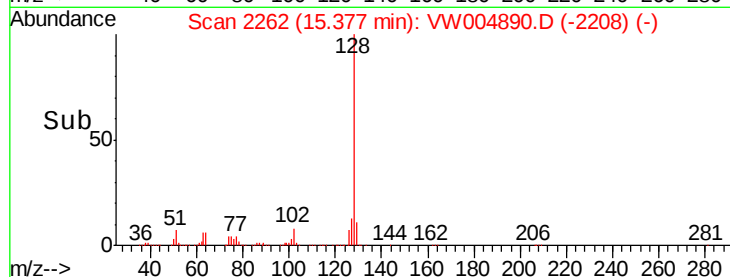
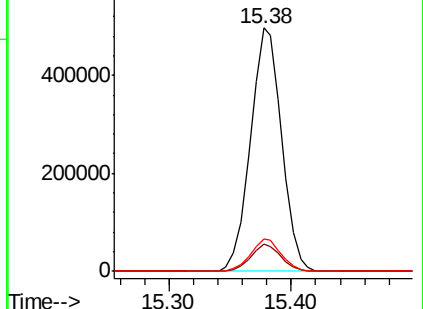
127 13.2 10.6 15.8



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: 25.412 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004890.D

Acq: 22 Aug 2018 18:09

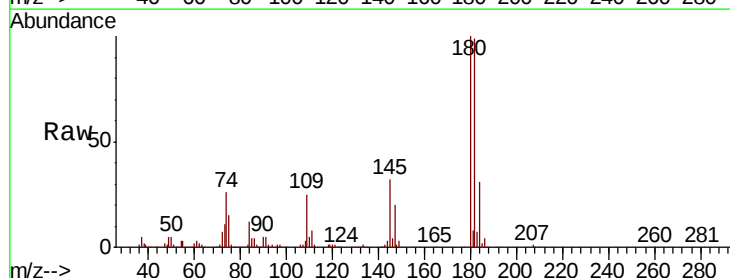
Tgt Ion:180 Resp: 405836

Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.6

145 31.4 24.6 37.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

