

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080218\
 Data File : VW004414.D
 Acq On : 02 Aug 2018 22:30
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB91

Quant Time: Aug 03 08:37:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM080218S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 03 05:29:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	942744	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	905867	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	448221	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	263246	22.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.80%
7) Chloroethane-d5	2.89	69	223635	22.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.68%
10) 1,1-Dichloroethene-d2	4.02	63	555349	23.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.28%
20) 2-Butanone-d5	7.09	46	295078	57.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.14%
24) Chloroform-d	7.65	84	575428	22.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	8.31	65	322442	22.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.64%
29) Benzene-d6	8.27	84	1115447	23.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.60%
33) 1,2-Dichloropropane-d6	9.28	67	353987	22.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.92%
37) Toluene-d8	10.33	98	1011606	23.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.24%
38) trans-1,3-Dichloropropene-	10.58	79	142779	22.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.16%
39) 2-Hexanone-d5	10.93	63	226768	59.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.28%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	411012	24.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.24%
61) 1,2-Dichlorobenzene-d4	13.86	152	386855	22.98	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	218422	22.284	ug/L 97
3) Chloromethane	2.21	50	305988	23.635	ug/L 95
5) Vinyl chloride	2.37	62	420085	24.865	ug/L 97
6) Bromomethane	2.78	94	222887	22.811	ug/L 99
8) Chloroethane	2.93	64	249390	24.606	ug/L 99
9) Trichlorofluoromethane	3.26	101	175627	22.791	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	342488	25.597	ug/L 95
12) 1,1-Dichloroethene	4.04	96	323032	24.712	ug/L 92
13) Acetone	4.14	43	230154	51.381	ug/L 99
14) Carbon disulfide	4.38	76	977629	24.382	ug/L 99
15) Methyl Acetate	4.67	43	253760	27.794	ug/L 99
16) Methylene chloride	4.92	84	372533	19.895	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	419378	23.701	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	323336	24.187	ug/L 94
19) 1,1-Dichloroethane	6.21	63	619313	24.414	ug/L 99
21) 2-Butanone	7.18	43	342121	55.799	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	352398	24.152	ug/L 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080218\
 Data File : VW004414.D
 Acq On : 02 Aug 2018 22:30
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB91

Quant Time: Aug 03 08:37:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM080218S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 03 05:29:00 2018
 Response via : Initial Calibration

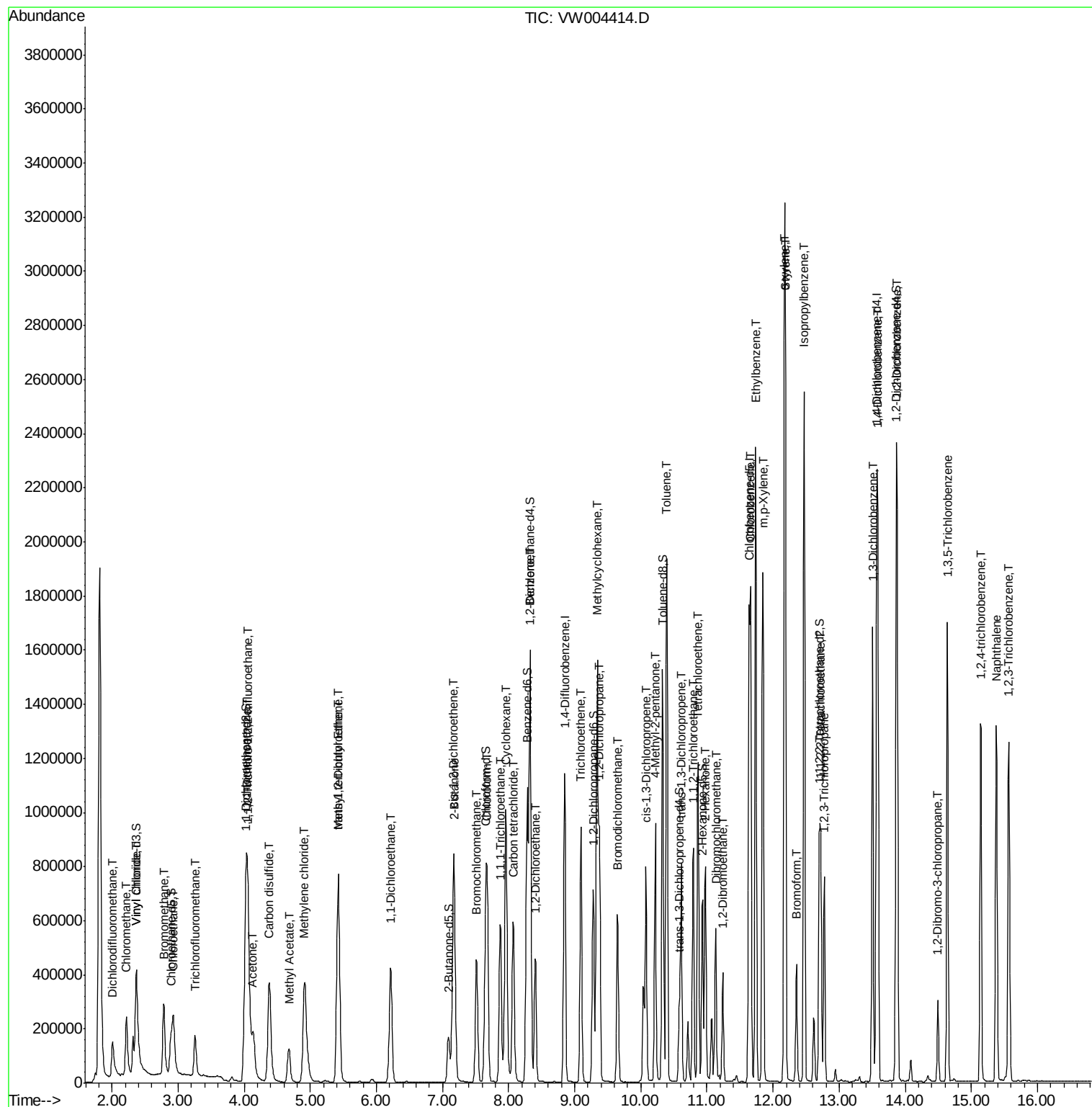
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	160444	22.975	ug/L	96
25) Chloroform	7.68	83	620822	23.976	ug/L	99
27) 1,2-Dichloroethane	8.40	62	413065	23.746	ug/L	99
30) Cyclohexane	7.96	56	568431	26.533	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	478089	24.841	ug/L	100
32) Carbon tetrachloride	8.07	117	457473	24.664	ug/L	100
34) Benzene	8.32	78	1391090	24.907	ug/L	100
35) Trichloroethene	9.09	95	341881	24.336	ug/L	99
36) Methylcyclohexane	9.34	83	634410	25.725	ug/L	98
40) 1,2-Dichloropropane	9.37	63	359371	24.295	ug/L	100
41) Bromodichloromethane	9.65	83	420105	23.643	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	473754	23.412	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	631452	56.933	ug/L	99
44) Toluene	10.39	91	1424809	25.350	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	433111	23.811	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	274877	23.903	ug/L	99
47) Tetrachloroethene	10.87	164	270642	24.348	ug/L	99
49) 2-Hexanone	10.98	43	499277	59.903	ug/L	99
50) Dibromochloromethane	11.13	129	299780	23.500	ug/L	99
51) 1,2-Dibromoethane	11.24	107	265342	24.071	ug/L #	98
52) Chlorobenzene	11.66	112	910552	23.955	ug/L	98
53) Ethylbenzene	11.74	91	1598712	25.313	ug/L	99
54) m,p-Xylene	11.85	106	604549	25.656	ug/L	97
55) o-xylene	12.17	106	567384	25.412	ug/L	99
56) Styrene	12.19	104	1006886	25.880	ug/L	100
57) Isopropylbenzene	12.47	105	1585710	26.238	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	421337	25.244	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	324924	26.065	ug/L	99
62) Bromoform	12.35	173	200688	24.636	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	677575	24.294	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	719761	24.013	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	680908	24.366	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	79819	27.806	ug/L	95
67) 1,3,5-Trichlorobenzene	14.64	180	539875	24.418	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	438838	24.534	ug/L	99
69) Naphthalene	15.38	128	1101432	27.002	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	439567	25.235	ug/L	99

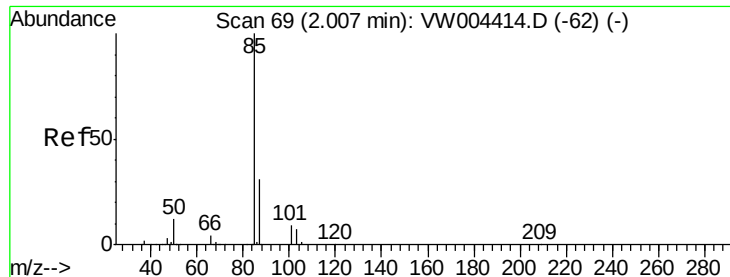
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080218\
Data File : VW004414.D
Acq On : 02 Aug 2018 22:30
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleID :
BFB91

Quant Time: Aug 03 08:37:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM080218S.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 03 05:29:00 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 22.284 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 22:30

Instrument :

MSVOA_W

ClientSampleId :

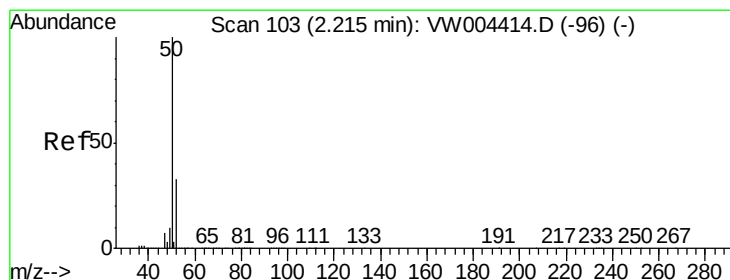
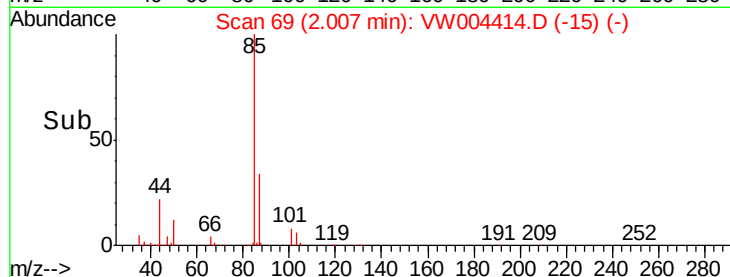
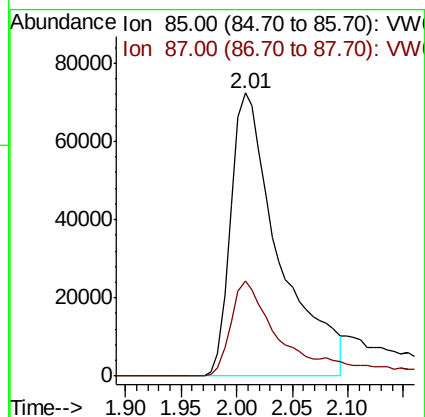
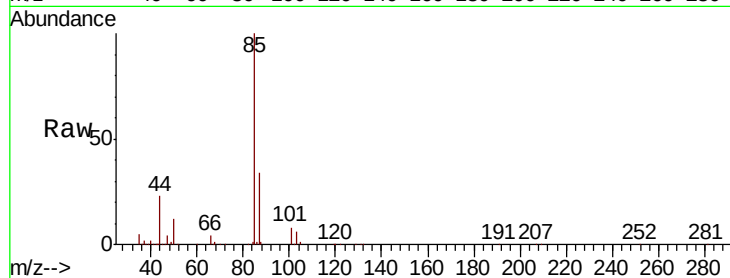
BFB91

Tot Ion: 85 Resp: 218422

Ion Ratio Lower Upper

85 100

87 30.4 20.2 37.4



#3

Chloromethane

Concen: 23.635 ug/L

RT: 2.21 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004414.D

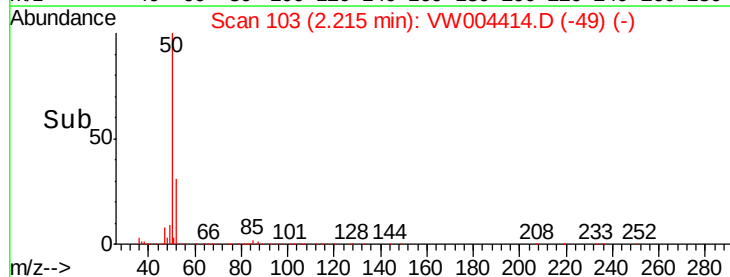
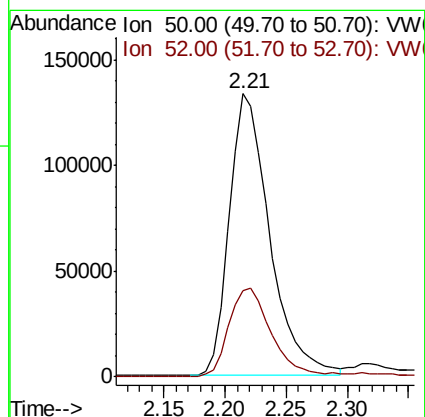
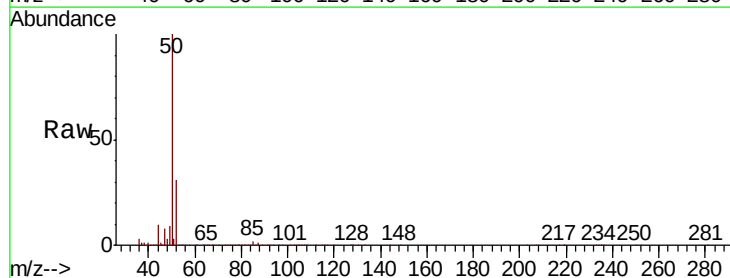
Acq: 02 Aug 2018 22:30

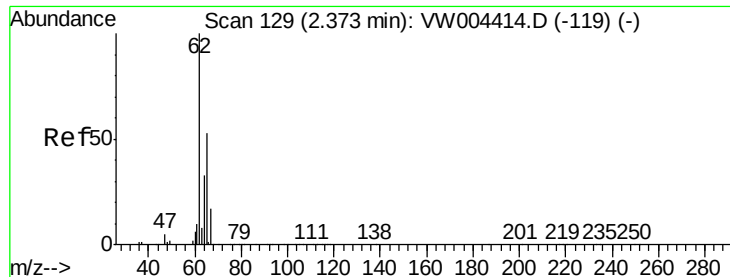
Tgt Ion: 50 Resp: 305988

Ion Ratio Lower Upper

50 100

52 30.7 23.4 43.6





#5

Vinyl chloride

Concen: 24.865 ug/L

RT: 2.37 min Scan# 129

Delta R.T. 0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 22:30

Instrument :

MSVOA_W

ClientSampleId :

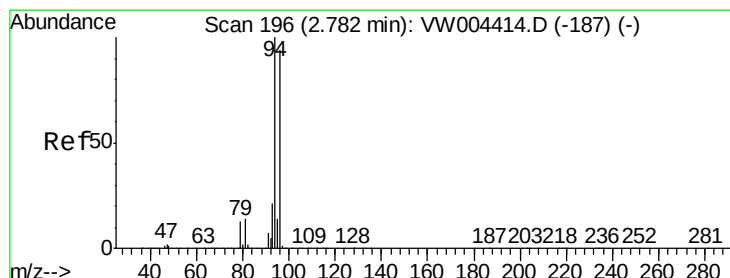
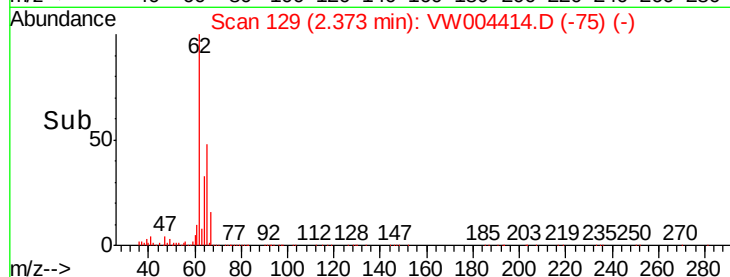
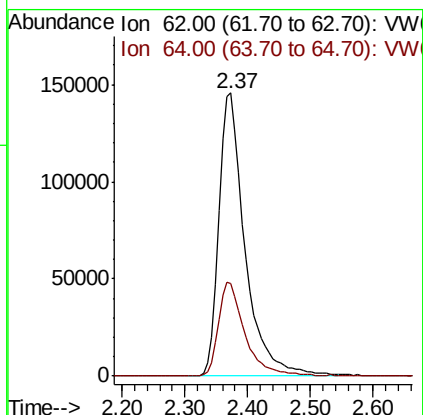
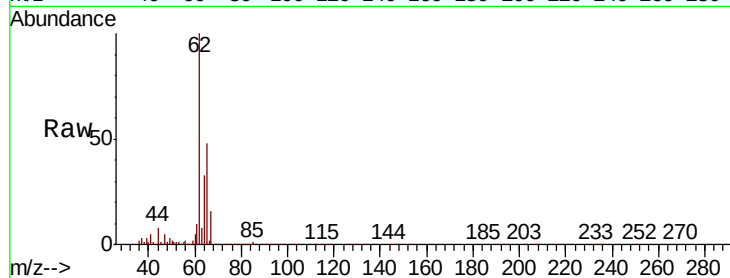
BFB91

Tot Ion: 62 Resp: 420085

Ion Ratio Lower Upper

62 100

64 32.8 24.0 44.6



#6

Bromomethane

Concen: 22.811 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004414.D

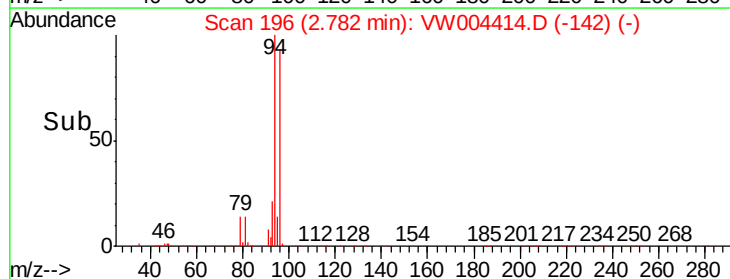
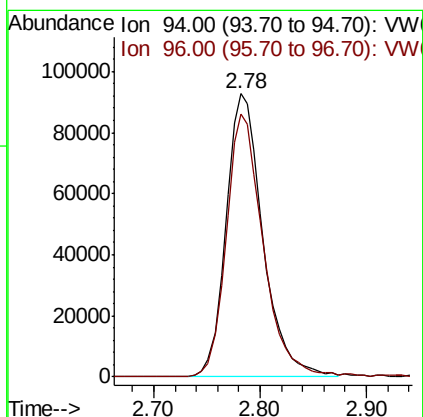
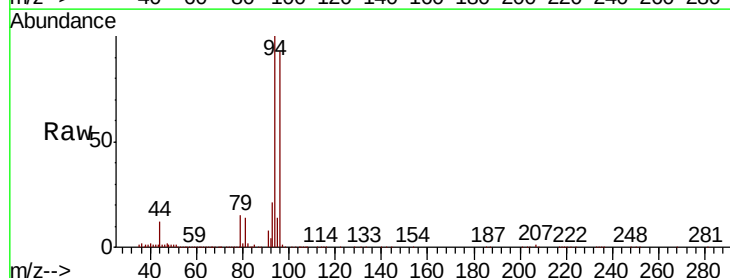
Acq: 02 Aug 2018 22:30

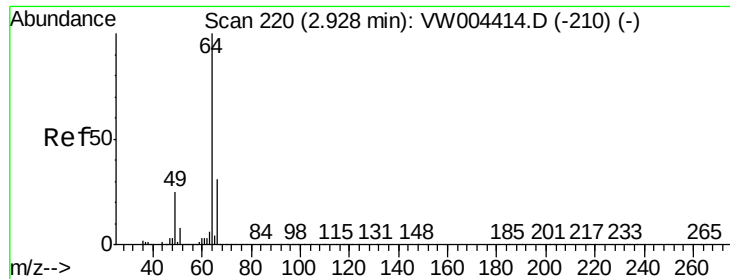
Tgt Ion: 94 Resp: 222887

Ion Ratio Lower Upper

94 100

96 92.9 9.2 175.2





#8

Chloroethane

Concen: 24.606 ug/L

RT: 2.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 22:30

Instrument :

MSVOA_W

ClientSampleId :

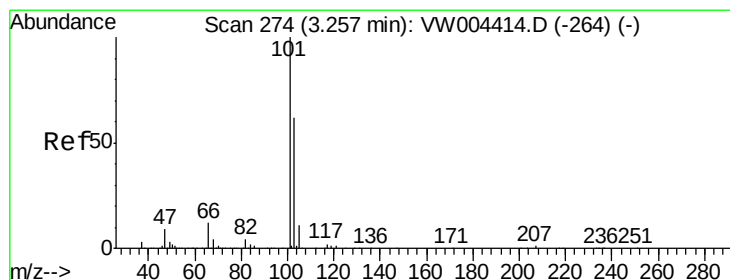
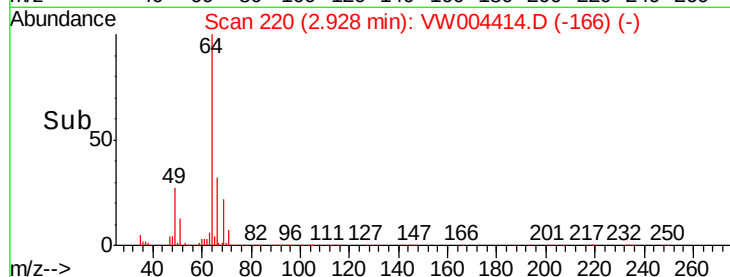
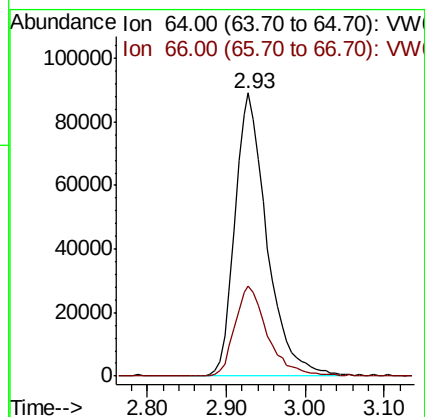
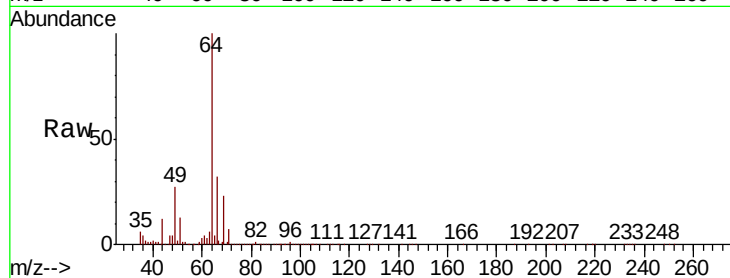
BFB91

Tot Ion: 64 Resp: 249390

Ion Ratio Lower Upper

64 100

66 31.8 22.8 42.4



#9

Trichlorofluoromethane

Concen: 22.791 ug/L

RT: 3.26 min Scan# 274

Delta R.T. 0.00 min

Lab File: VW004414.D

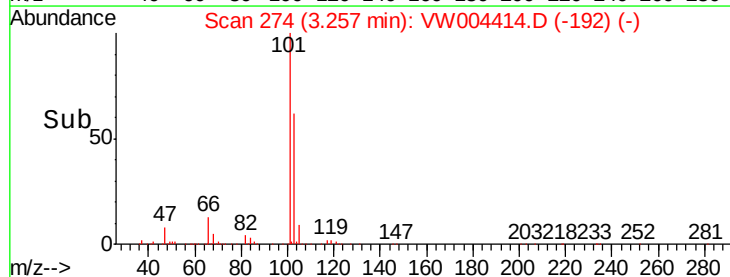
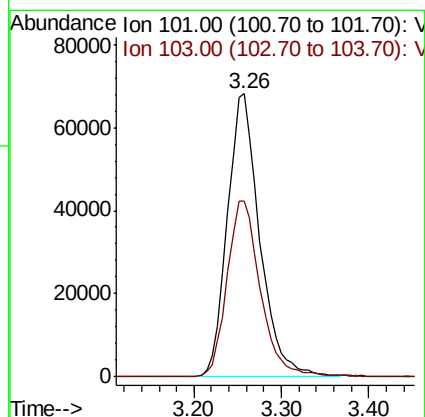
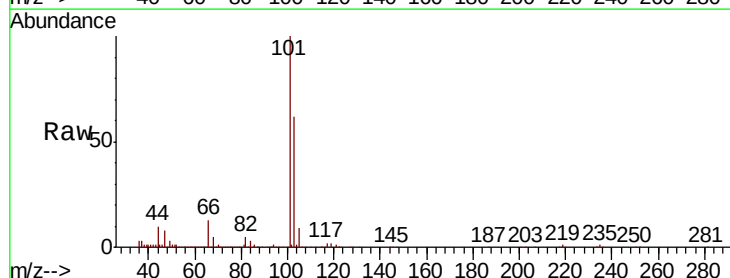
Acq: 02 Aug 2018 22:30

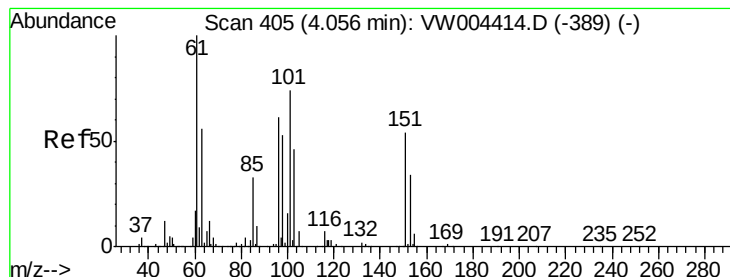
Tgt Ion: 101 Resp: 175627

Ion Ratio Lower Upper

101 100

103 64.2 45.3 84.1





#11

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

Concen: 25.597 ug/L

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 22:30

Instrument :

MSVOA_W

ClientSampled :

BFB91

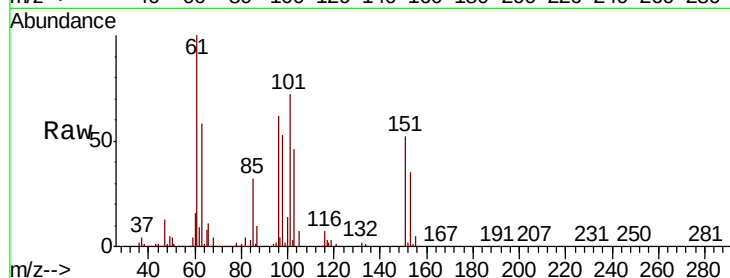
Tot Ion:101 Resp: 342488

Ion Ratio Lower Upper

101 100

85 41.2 35.6 53.4

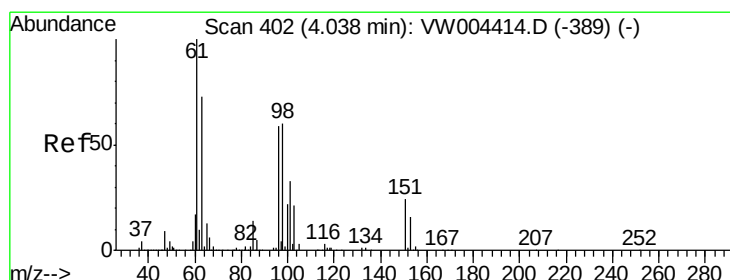
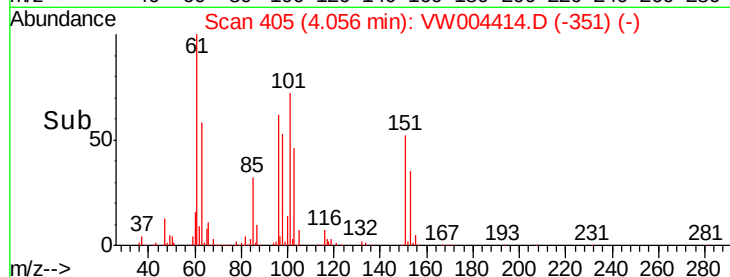
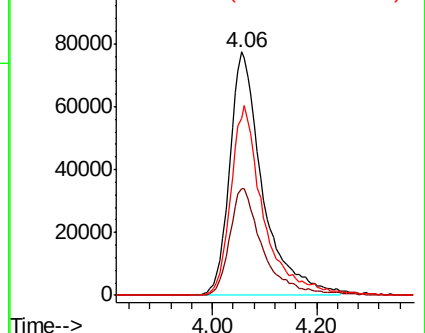
151 74.2 62.6 94.0



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: 24.712 ug/L

RT: 4.04 min Scan# 402

Delta R.T. 0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 22:30

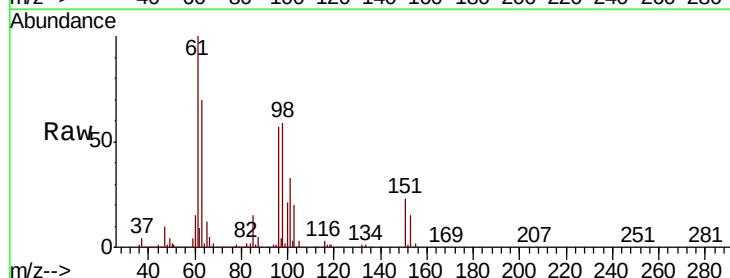
Tgt Ion: 96 Resp: 323032

Ion Ratio Lower Upper

96 100

61 174.5 115.9 215.3

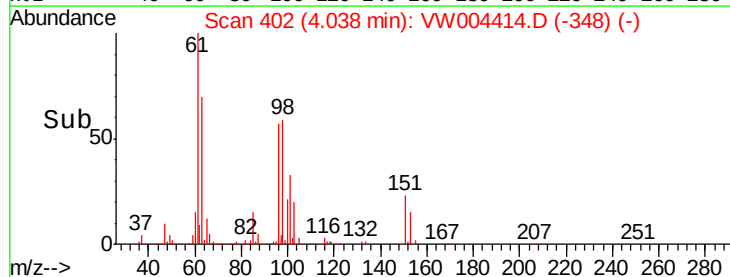
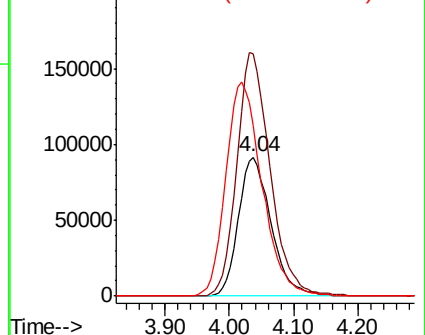
63 122.3 78.0 144.9

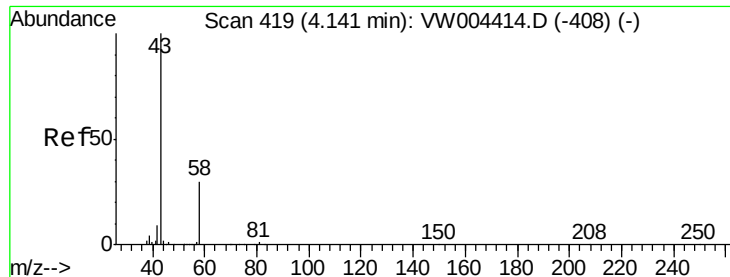


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 51.381 ug/L

RT: 4.14 min Scan# 418

Delta R.T. -0.01 min

Lab File: VW004414.D

Acq: 02 Aug 2018 22:30

Instrument :

MSVOA_W

ClientSampleId :

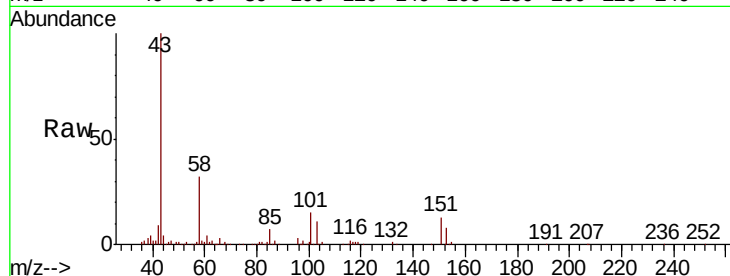
BFB91

Tot Ion: 43 Resp: 230154

Ion Ratio Lower Upper

43 100

58 32.6 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

80000

60000

40000

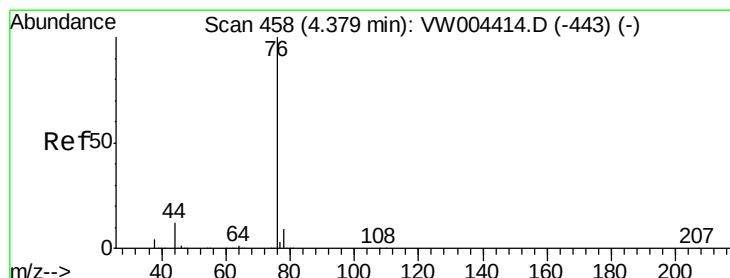
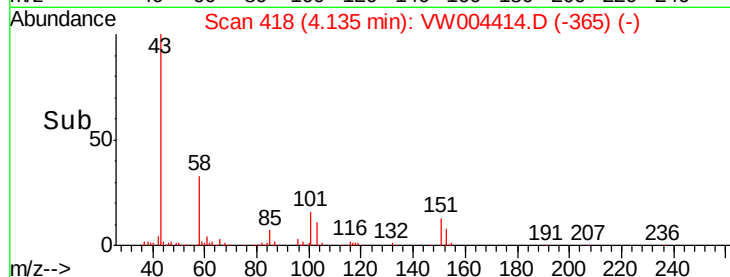
20000

0

4.14

4.00 4.10 4.20

Time-->



#14

Carbon disulfide

Concen: 24.382 ug/L

RT: 4.38 min Scan# 458

Delta R.T. 0.00 min

Lab File: VW004414.D

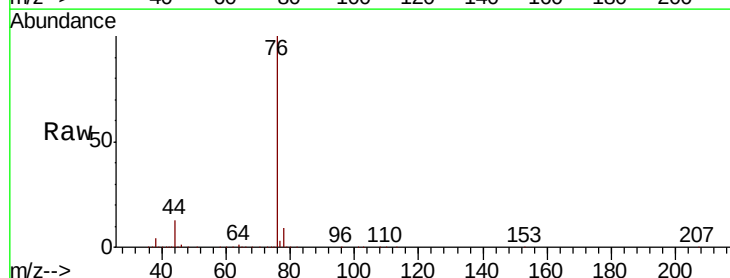
Acq: 02 Aug 2018 22:30

Tgt Ion: 76 Resp: 977629

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

300000

250000

200000

150000

100000

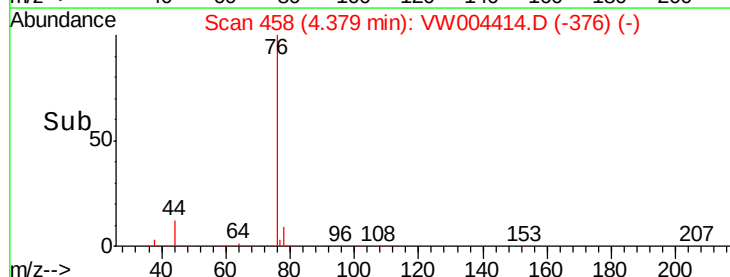
50000

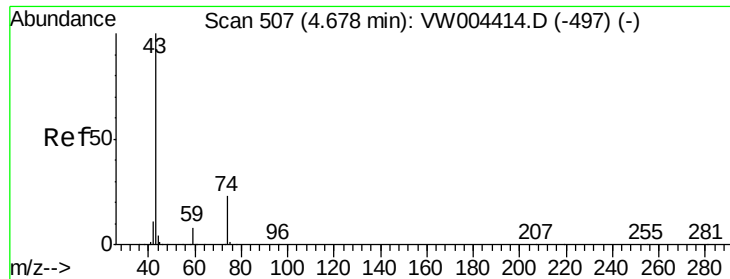
0

4.38

4.20 4.30 4.40 4.50

Time-->

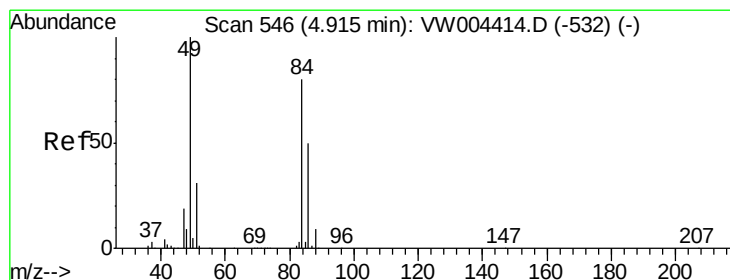
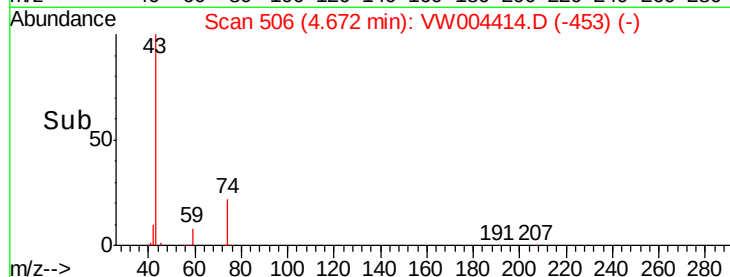
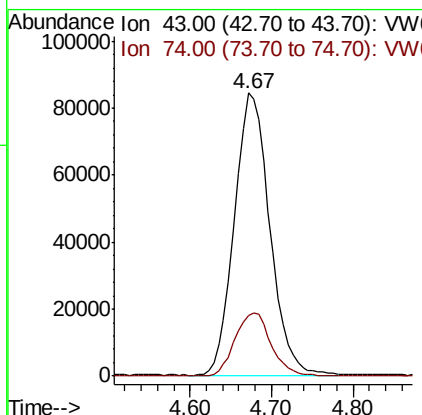
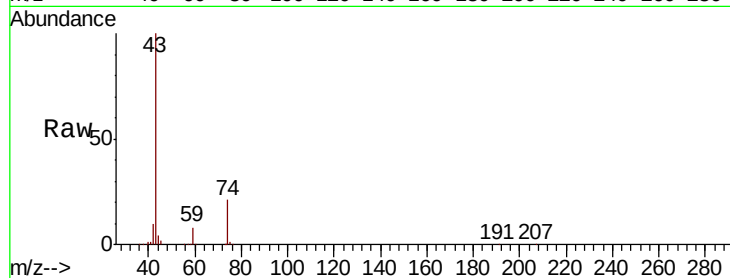




#15
Methyl Acetate
Concen: 27.794 ug/L
RT: 4.67 min Scan# 506
Delta R.T. -0.01 min
Lab File: VW004414.D
Acq: 02 Aug 2018 22:30

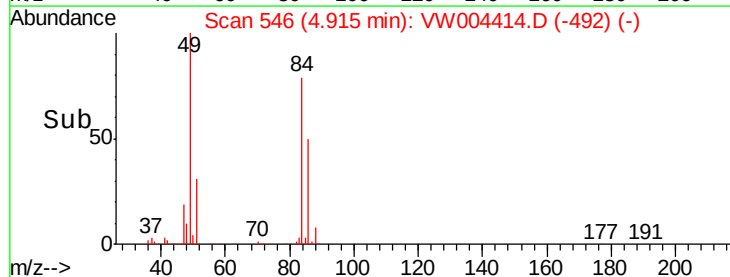
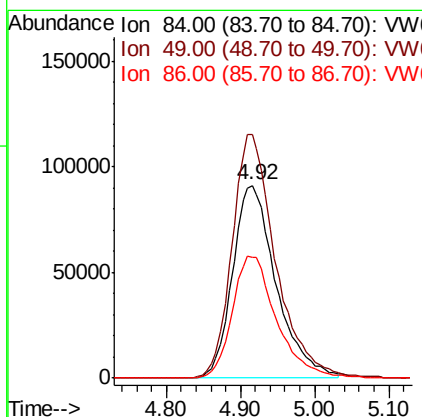
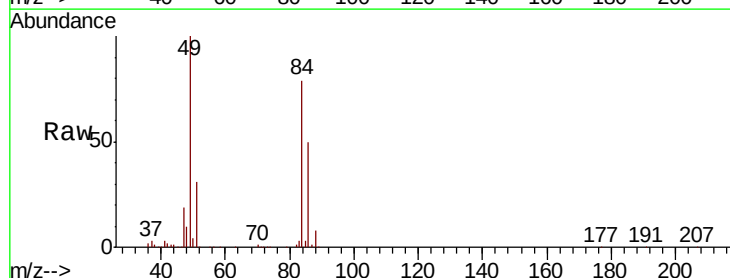
Instrument :
MSVOA_W
ClientSampleId :
BFB91

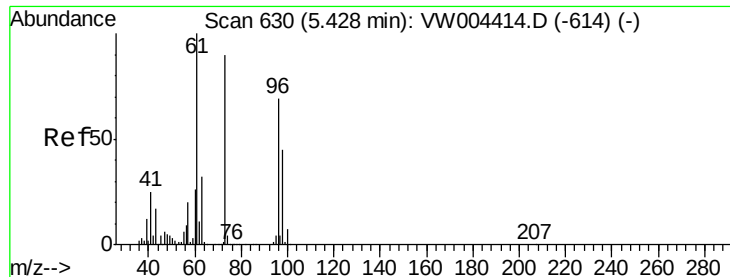
Tot Ion: 43 Resp: 253760
Ion Ratio Lower Upper
43 100
74 22.9 18.6 28.0



#16
Methylene chloride
Concen: 19.895 ug/L
RT: 4.92 min Scan# 546
Delta R.T. 0.00 min
Lab File: VW004414.D
Acq: 02 Aug 2018 22:30

Tgt Ion: 84 Resp: 372533
Ion Ratio Lower Upper
84 100
49 126.2 86.0 159.6
86 62.8 43.5 80.9



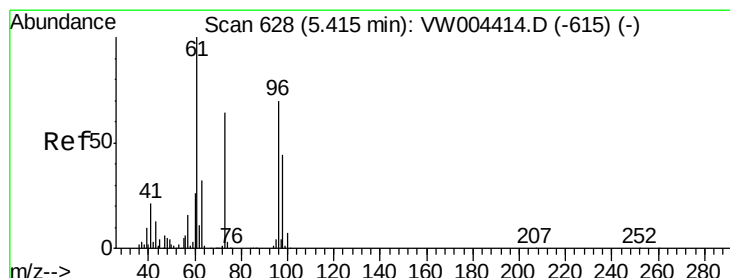
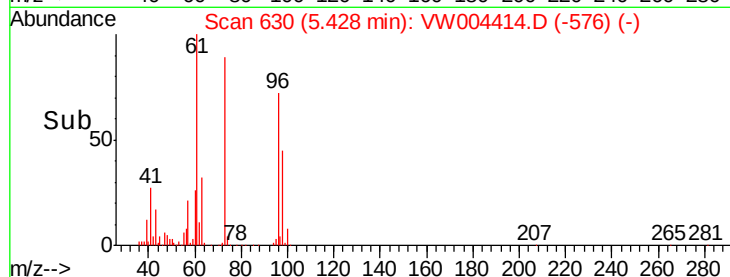
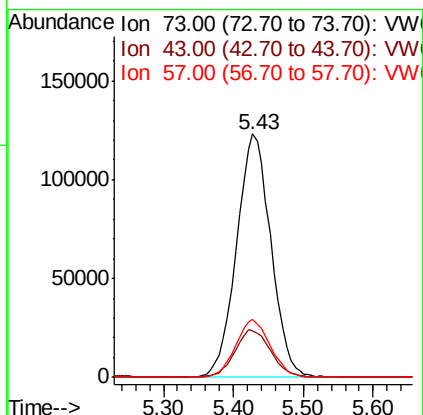
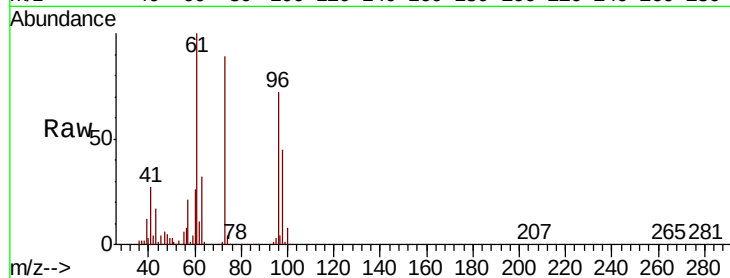


#17

Methyl tert-butyl Ether
 Concen: 23.701 ug/L
 RT: 5.43 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 22:30

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB91

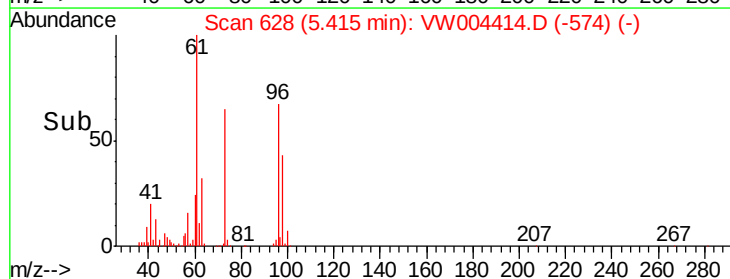
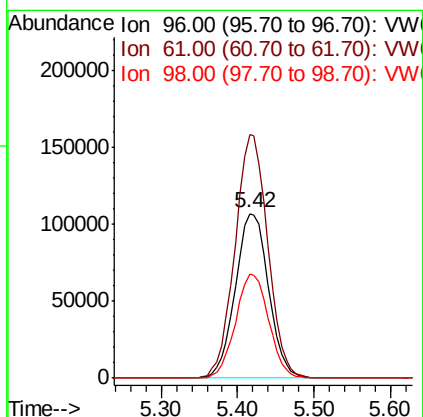
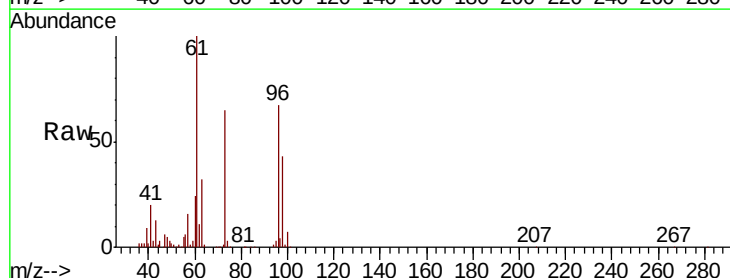
Tot Ion: 73 Resp: 419378
 Ion Ratio Lower Upper
 73 100
 43 20.0 16.2 24.2
 57 23.9 18.9 28.3

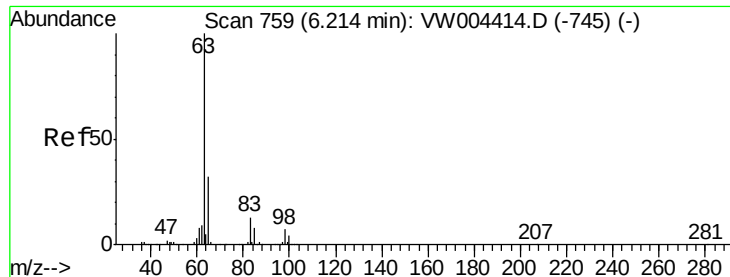


#18

trans-1,2-Dichloroethene
 Concen: 24.187 ug/L
 RT: 5.42 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 22:30

Tgt Ion: 96 Resp: 323336
 Ion Ratio Lower Upper
 96 100
 61 148.2 97.9 181.7
 98 63.2 43.0 79.8

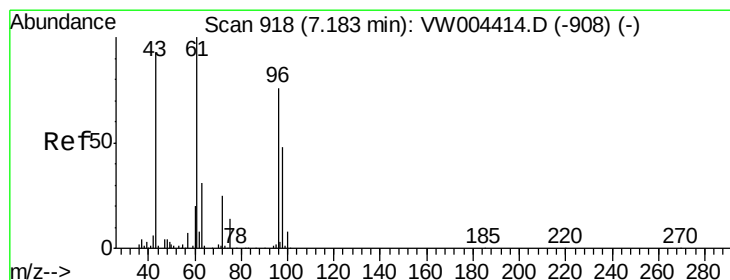
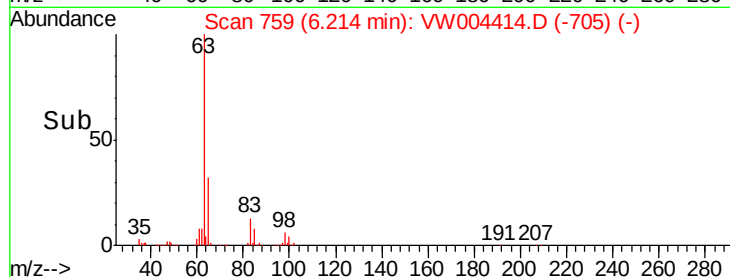
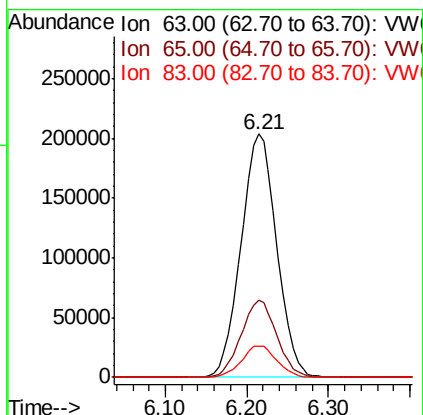
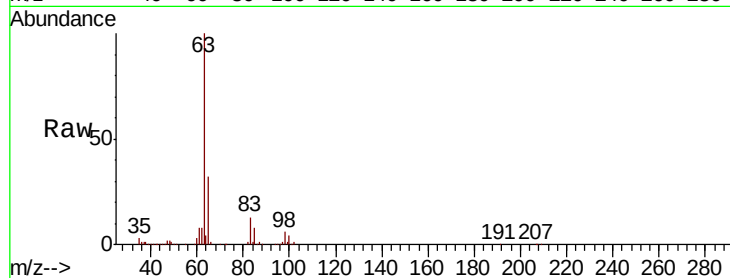




#19
 1,1-Dichloroethane
 Concen: 24.414 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 22:30

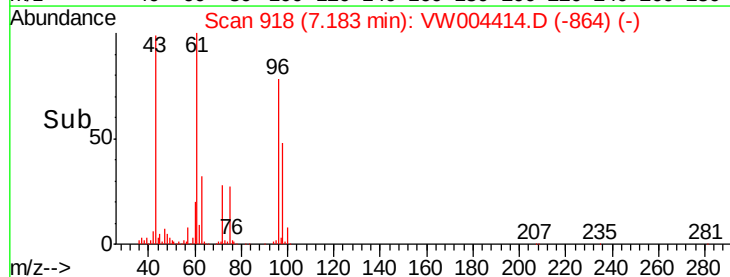
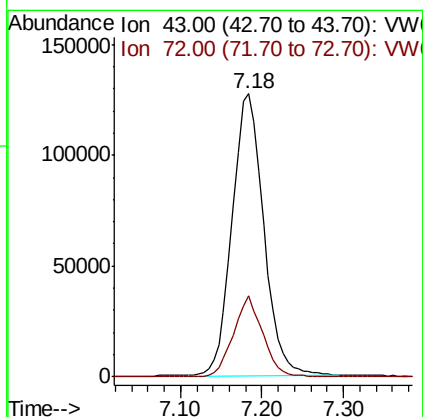
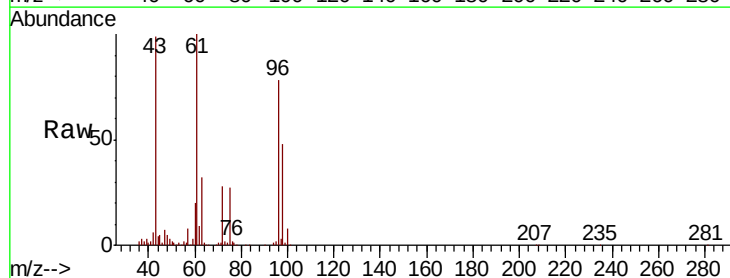
Instrument :
 MSVOA_W
 ClientSampled :
 BFB91

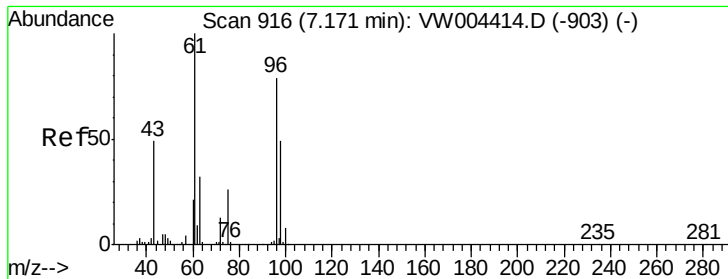
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.5	41.7
83	12.9	9.3	17.3



#21
 2-Butanone
 Concen: 55.799 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. 0.00 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 22:30

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.5	13.2	39.6



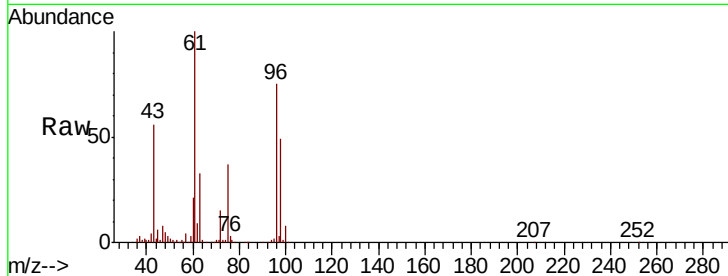


#22

cis-1,2-Dichloroethene
Concen: 24.152 ug/L
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW004414.D
Acq: 02 Aug 2018 22:30

Instrument :
MSVOA_W
ClientSampleId :
BFB91

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.6	92.5	171.7
98	65.2	44.1	81.9

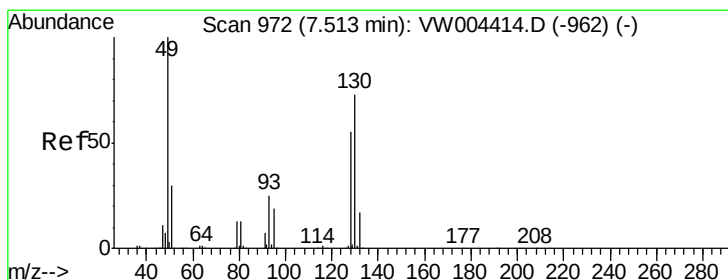
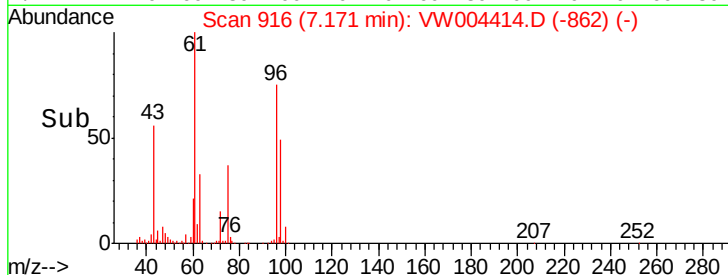
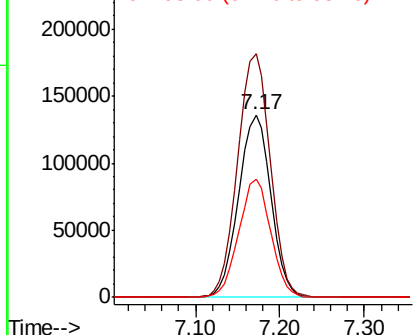


Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

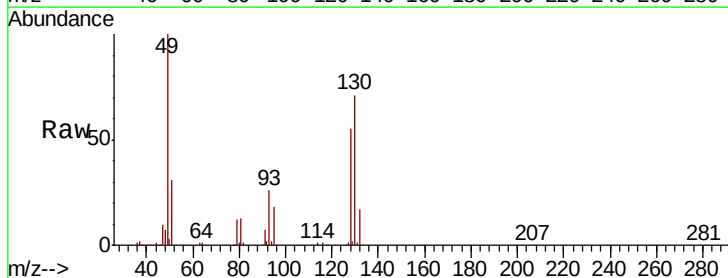
Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane
Concen: 22.975 ug/L
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW004414.D
Acq: 02 Aug 2018 22:30

Tgt Ion	Ratio	Lower	Upper
128	100		
49	183.2	122.0	226.6
130	129.4	88.8	164.8
51	56.0	44.0	66.0



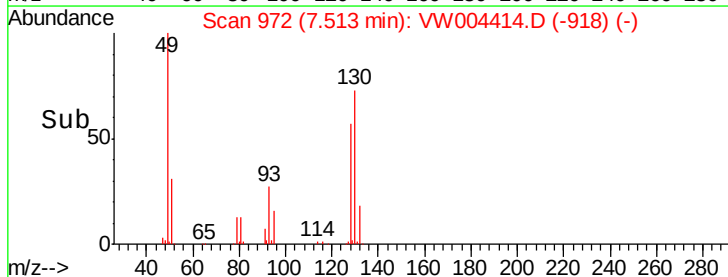
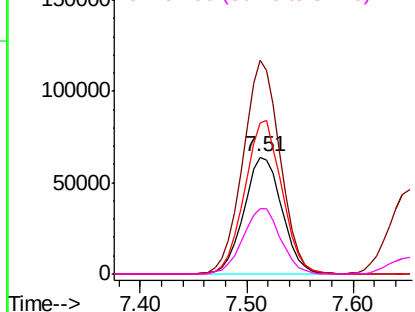
Abundance

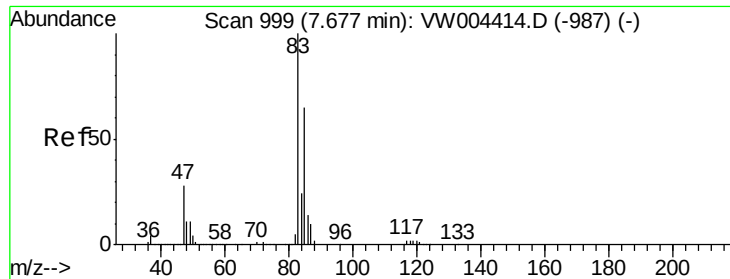
Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW

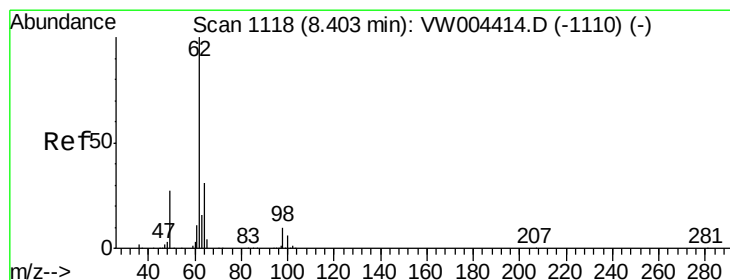
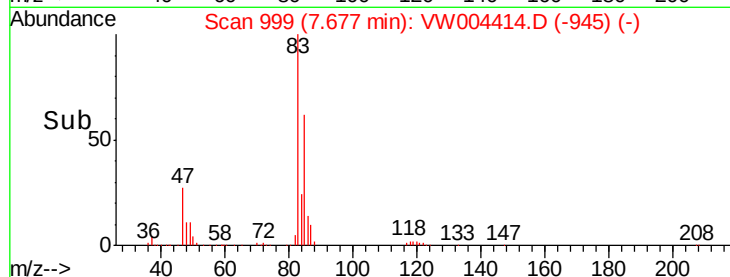
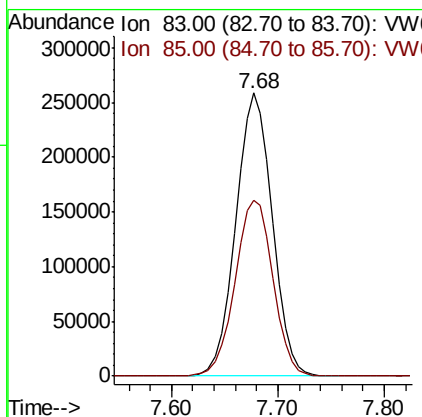
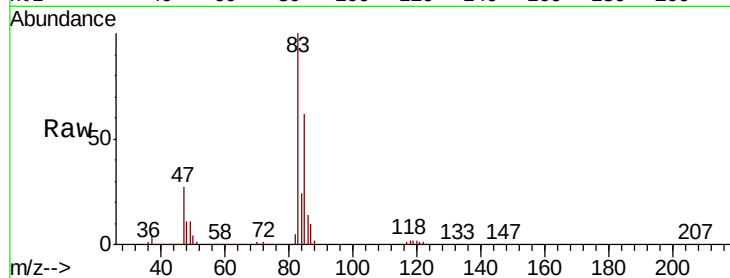




#25
Chloroform
Concen: 23.976 ug/L
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004414.D
Acq: 02 Aug 2018 22:30

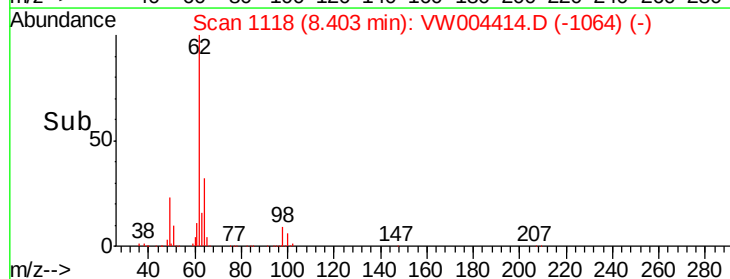
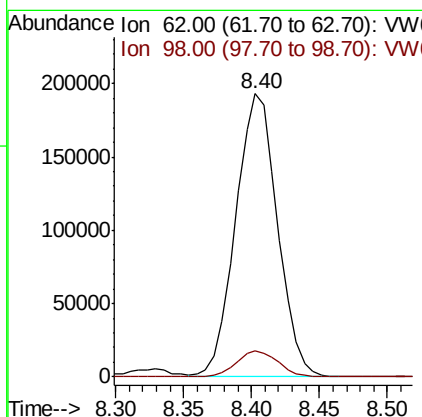
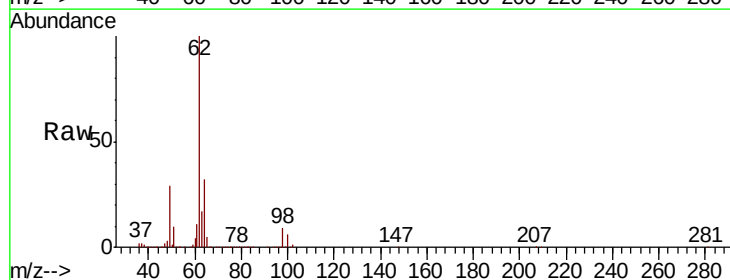
Instrument :
MSVOA_W
ClientSampleId :
BFB91

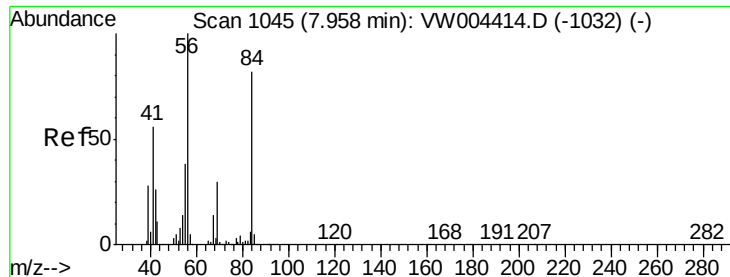
Tot Ion: 83 Resp: 620822
Ion Ratio Lower Upper
83 100
85 64.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 23.746 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004414.D
Acq: 02 Aug 2018 22:30

Tgt Ion: 62 Resp: 413065
Ion Ratio Lower Upper
62 100
98 9.2 7.6 11.4

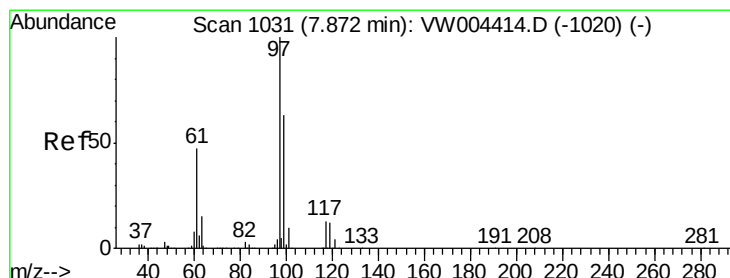
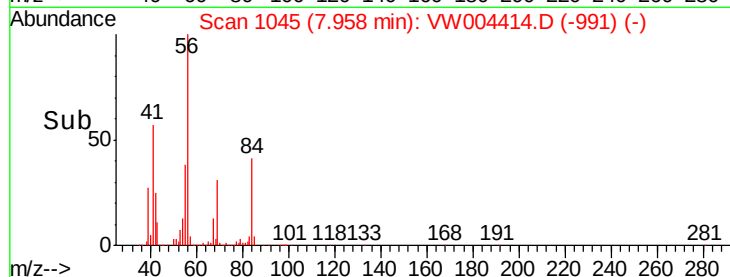
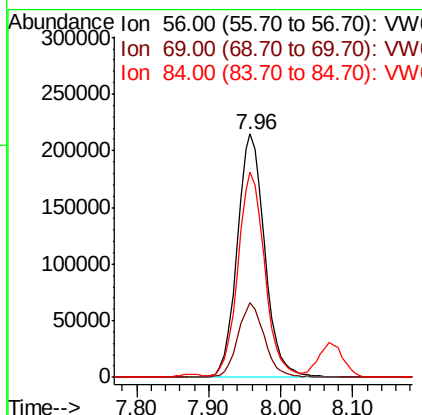
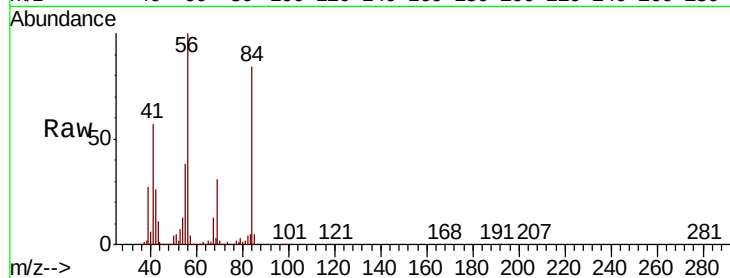




#30
Cyclohexane
Concen: 26.533 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004414.D
Acq: 02 Aug 2018 22:30

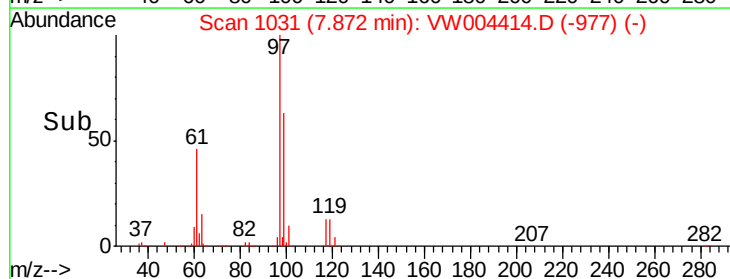
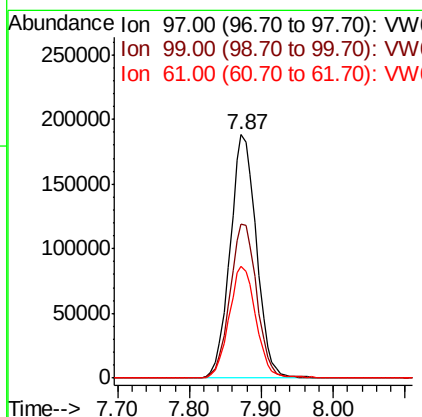
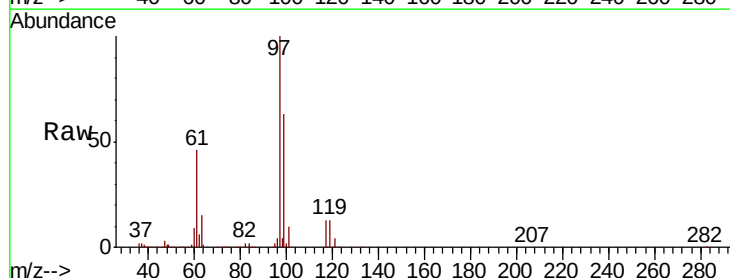
Instrument :
MSVOA_W
ClientSampleId :
BFB91

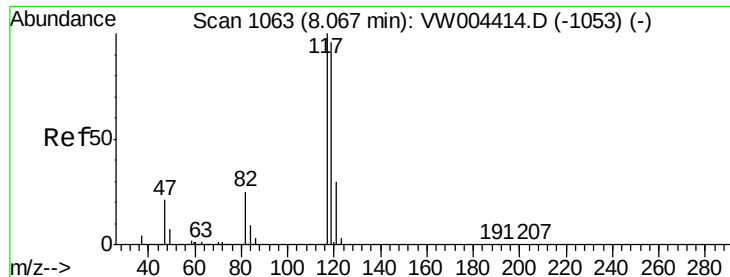
Tot Ion	56	Resp	568431
Ion	Ratio	Lower	Upper
56	100		
69	29.6	24.0	36.0
84	82.3	66.7	100.1



#31
1,1,1-Trichloroethane
Concen: 24.841 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004414.D
Acq: 02 Aug 2018 22:30

Tgt Ion	97	Resp	478089
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.6
61	46.4	37.3	55.9





#32

Carbon tetrachloride

Concen: 24.664 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 22:30

Instrument :

MSVOA_W

ClientSampleId :

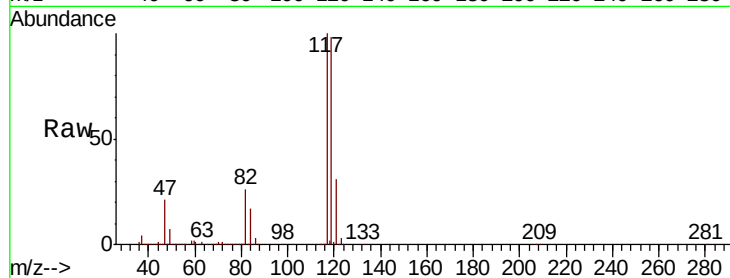
BFB91

Tot Ion:117 Resp: 457473

Ion Ratio Lower Upper

117 100

119 95.4 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

200000

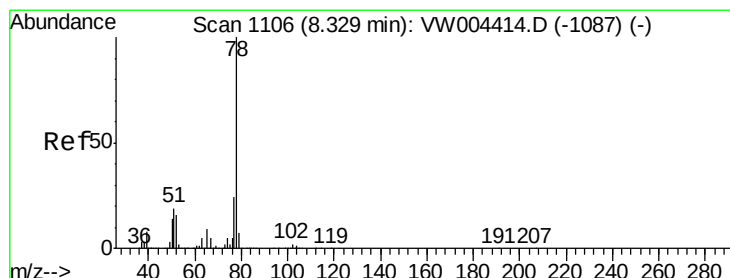
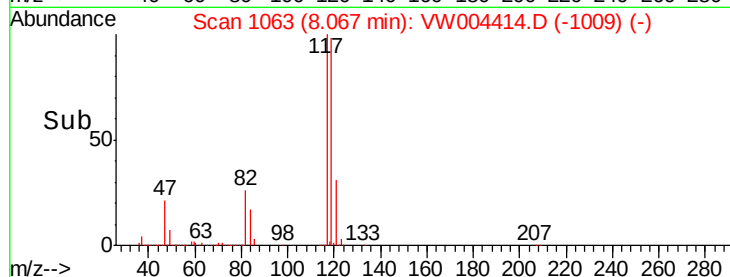
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 24.907 ug/L

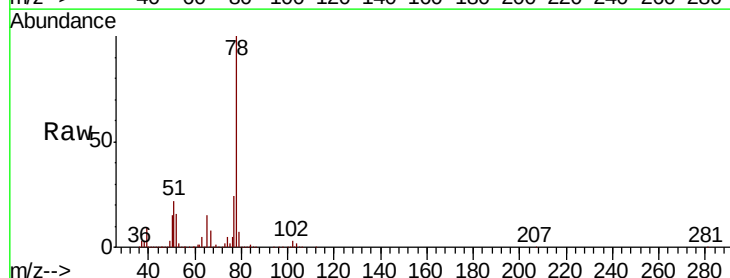
RT: 8.32 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VW004414.D

Acq: 02 Aug 2018 22:30

Tgt Ion: 78 Resp: 1391090



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

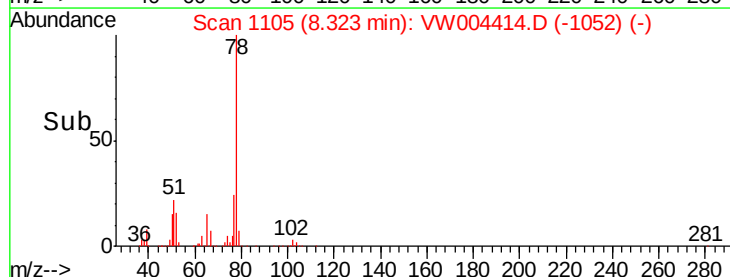
600000

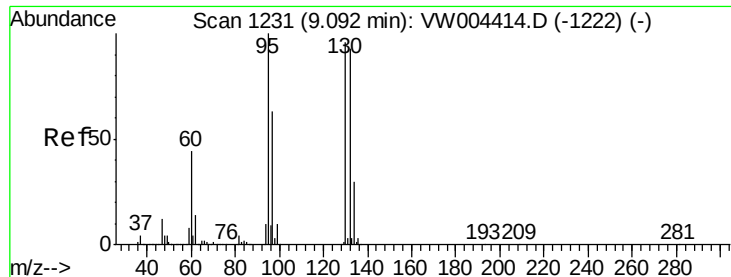
400000

200000

0

Time-->

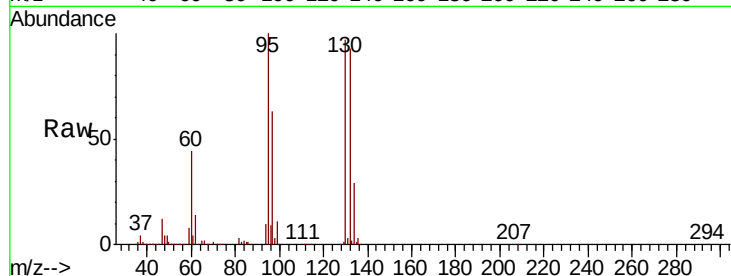




#35
 Trichloroethene
 Concen: 24.336 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 22:30

Instrument :
 MSVOA_W
 ClientSampled :
 BFB91

Tot Ion:	95	Resp:	341881
Ion	Ratio	Lower	Upper
95	100		
97	65.1	44.9	83.5
132	95.1	67.6	125.6
130	99.4	69.1	128.3



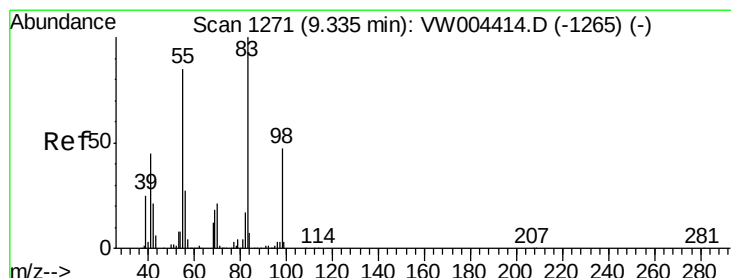
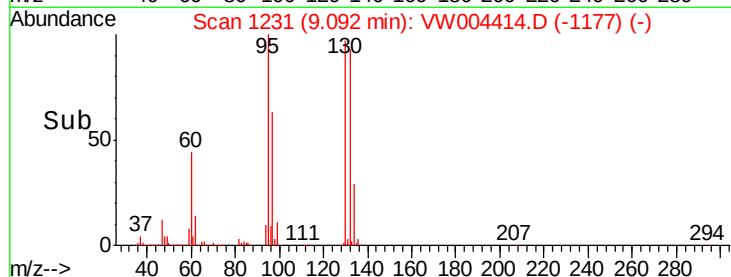
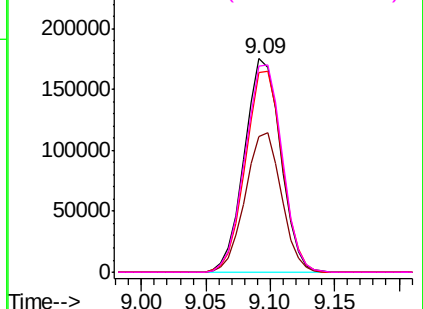
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

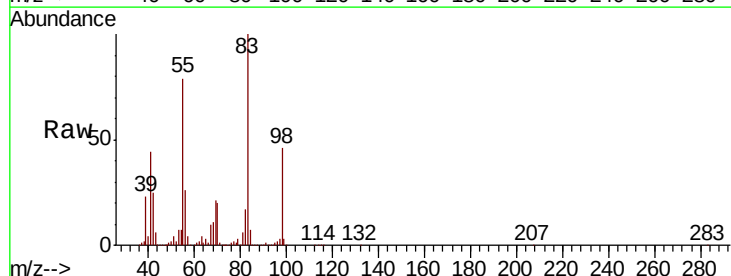
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 25.725 ug/L
 RT: 9.34 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 22:30

Tgt Ion:	83	Resp:	634410
Ion	Ratio	Lower	Upper
83	100		
55	80.7	62.8	94.2
98	45.4	36.6	54.8

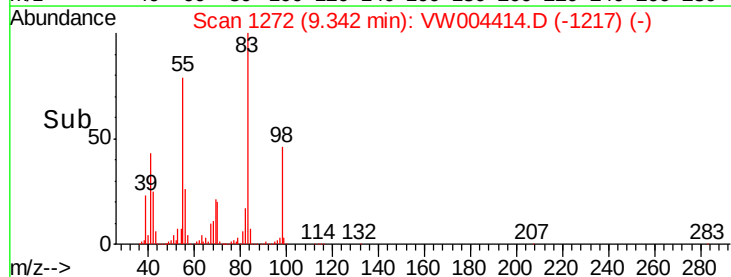
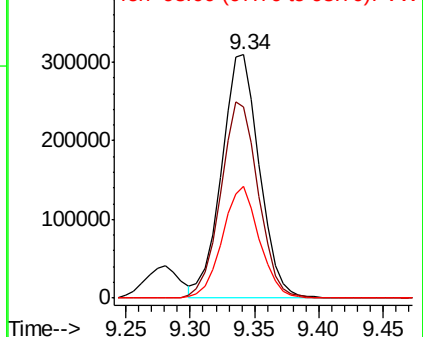


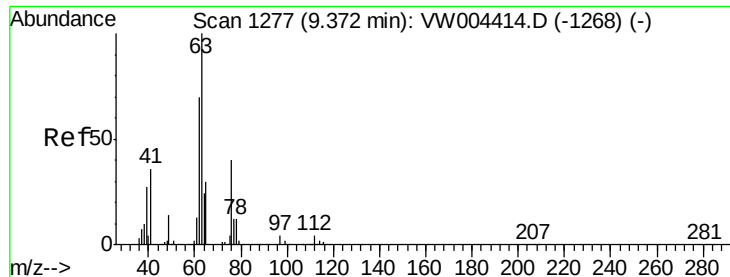
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.295 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 22:30

Instrument :

MSVOA_W

ClientSampleId :

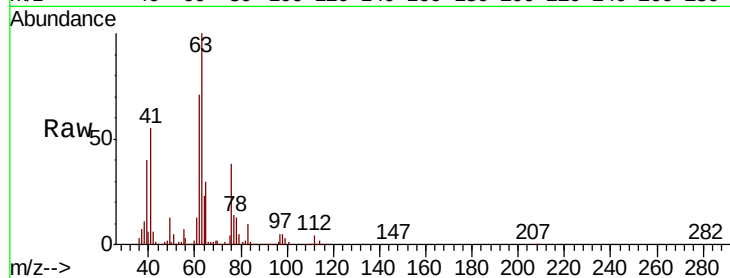
BFB91

Tot Ion: 63 Resp: 359371

Ion Ratio Lower Upper

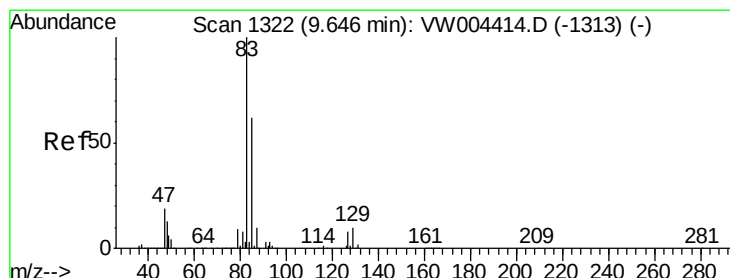
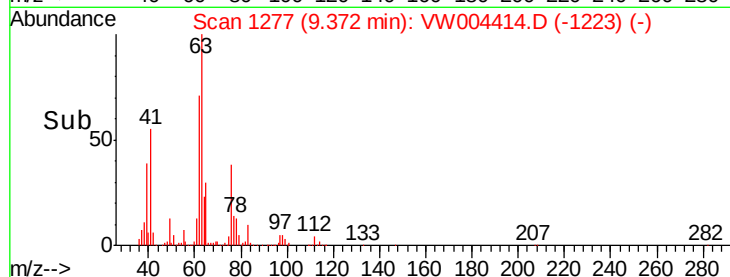
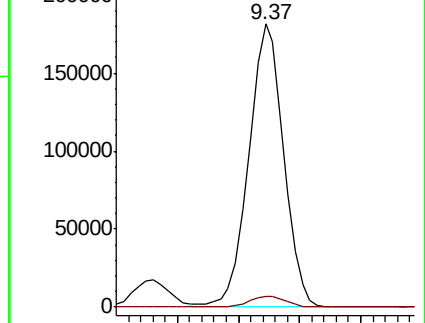
63 100

112 3.8 3.0 4.6



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 23.643 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 22:30

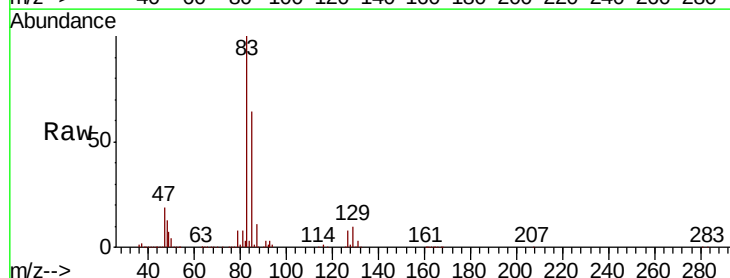
Tgt Ion: 83 Resp: 420105

Ion Ratio Lower Upper

83 100

85 63.7 43.7 81.1

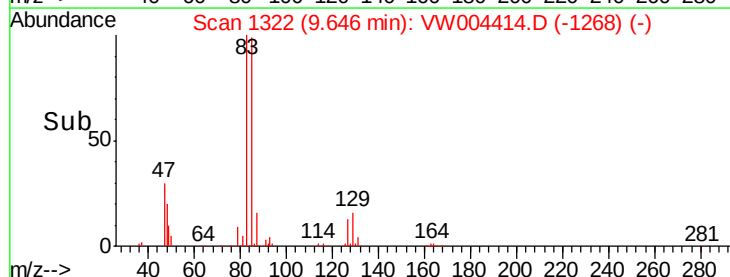
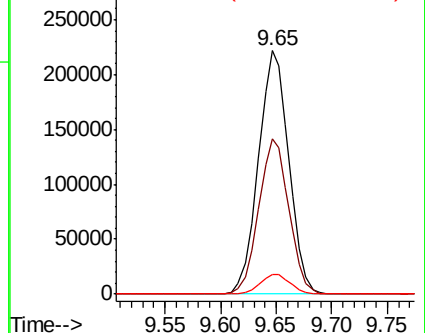
127 8.3 6.6 10.0

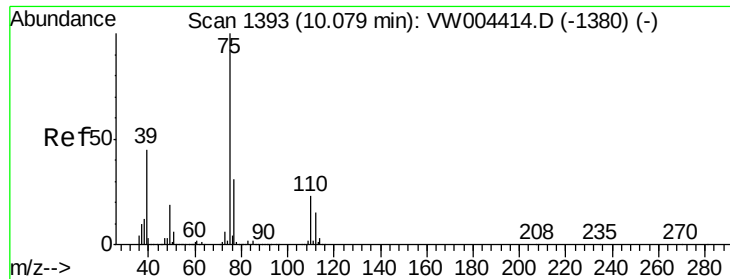


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 23.412 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 22:30

Instrument :

MSVOA_W

ClientSampleId :

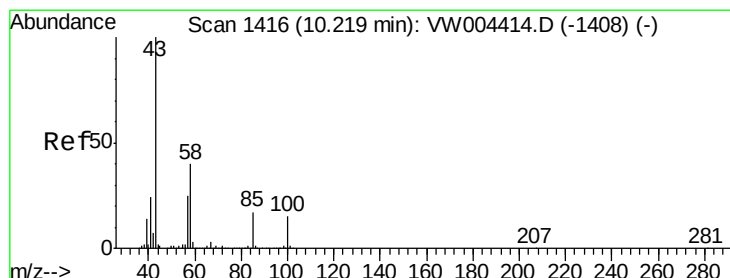
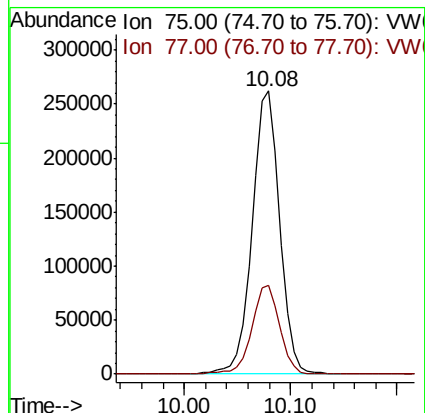
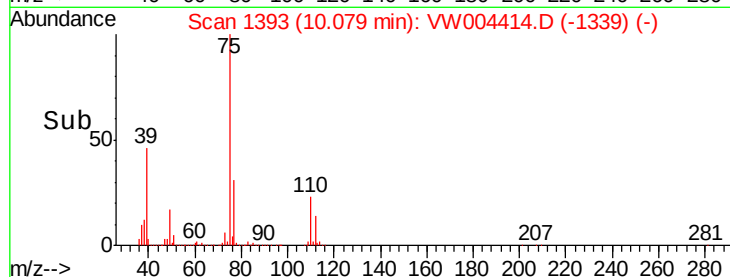
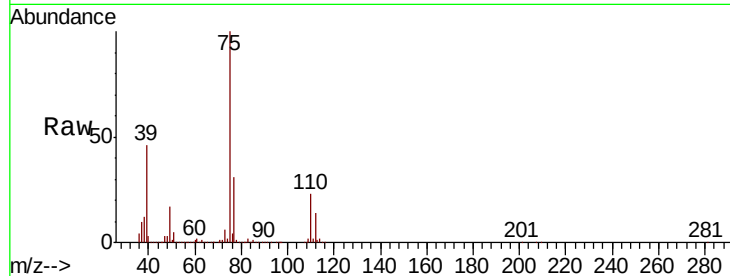
BFB91

Tot Ion: 75 Resp: 473754

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.7



#43

4-Methyl-2-pentanone

Concen: 56.933 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VW004414.D

Acq: 02 Aug 2018 22:30

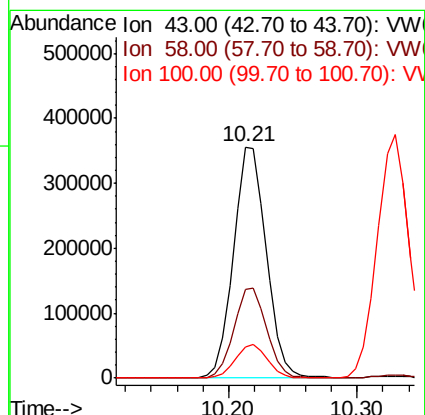
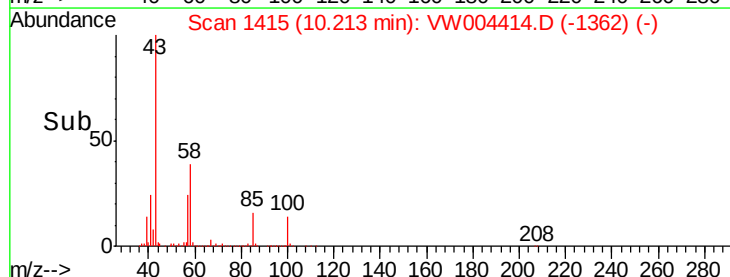
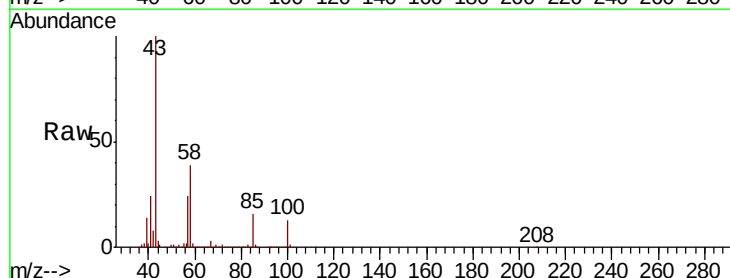
Tgt Ion: 43 Resp: 631452

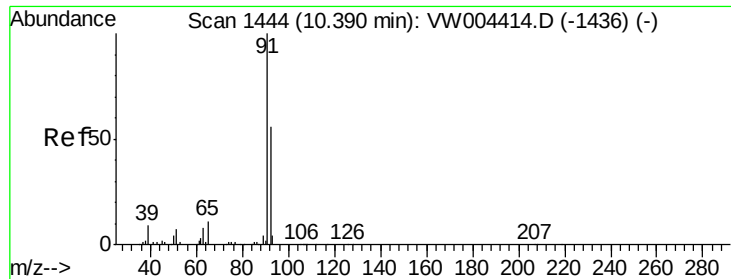
Ion Ratio Lower Upper

43 100

58 38.8 31.5 47.3

100 14.3 11.7 17.5





#44

Toluene

Concen: 25.350 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 22:30

Instrument :

MSVOA_W

ClientSampleId :

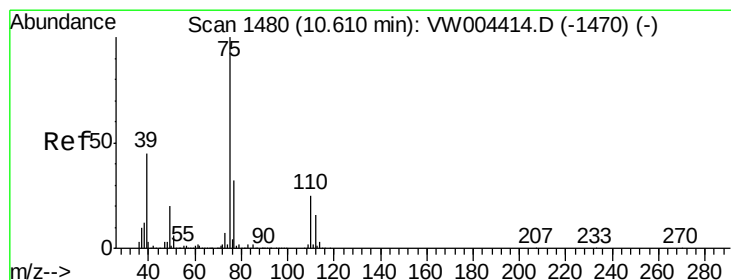
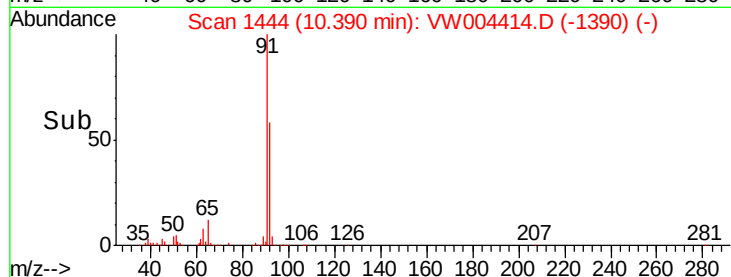
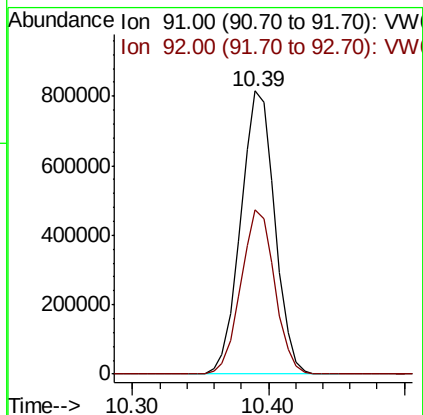
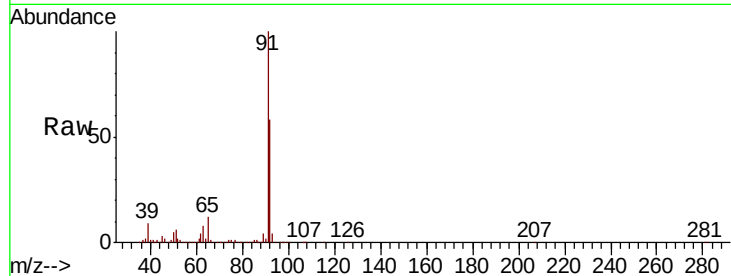
BFB91

Tot Ion: 91 Resp: 1424809

Ion Ratio Lower Upper

91 100

92 58.0 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 23.811 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004414.D

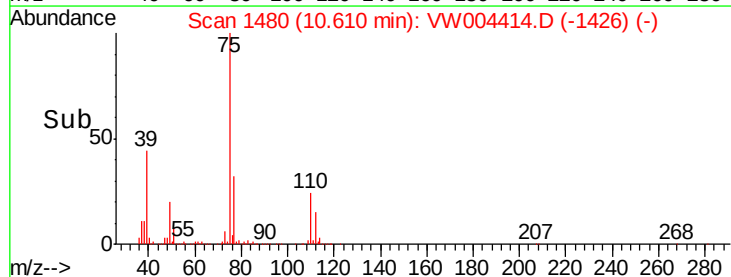
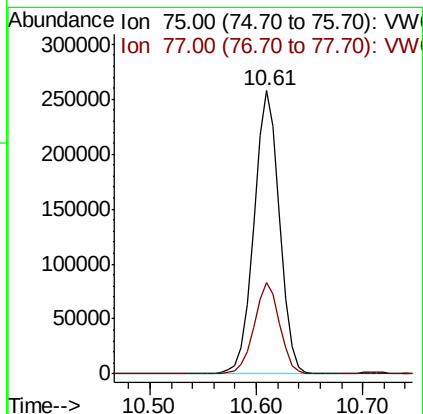
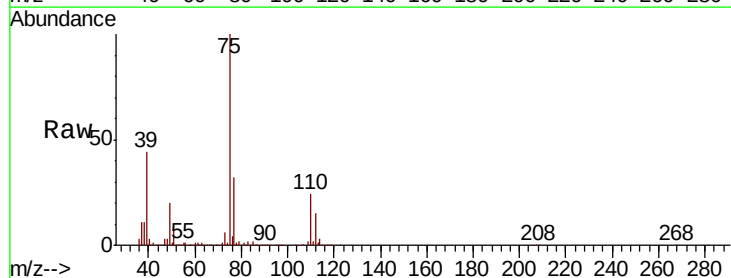
Acq: 02 Aug 2018 22:30

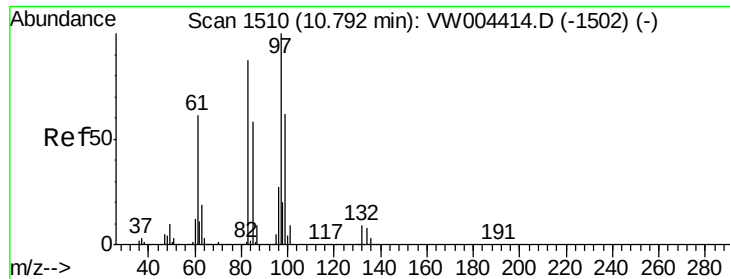
Tgt Ion: 75 Resp: 433111

Ion Ratio Lower Upper

75 100

77 32.4 21.8 40.6

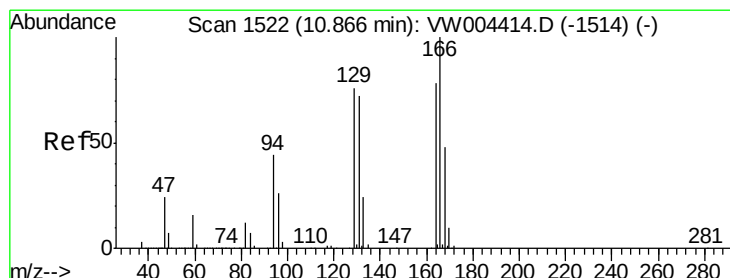
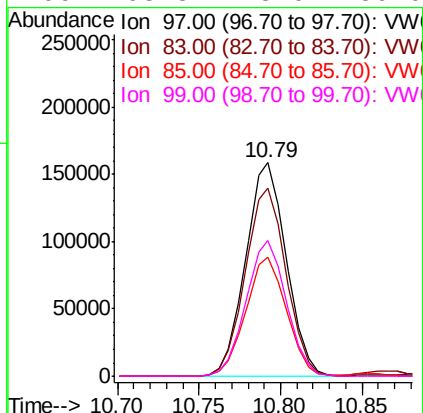
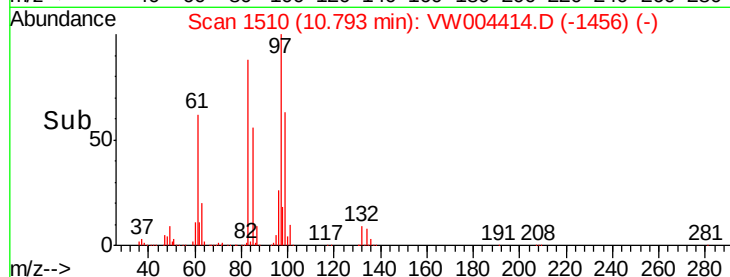
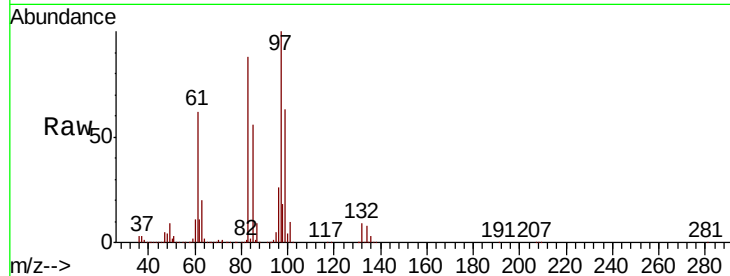




#46
 1,1,2-Trichloroethane
 Concen: 23.903 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 22:30

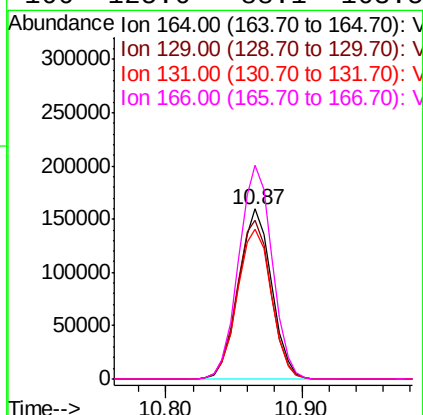
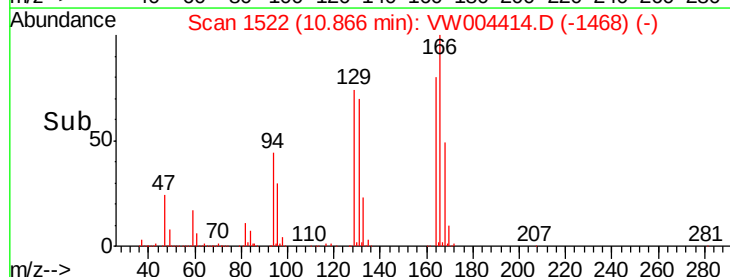
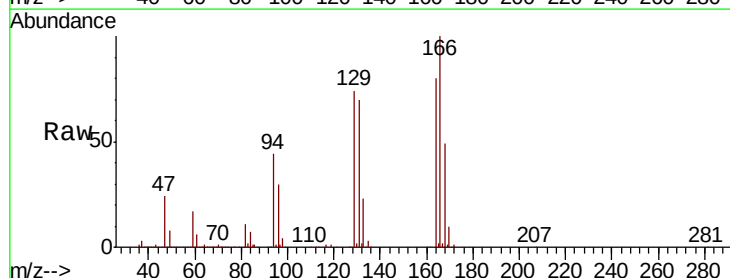
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB91

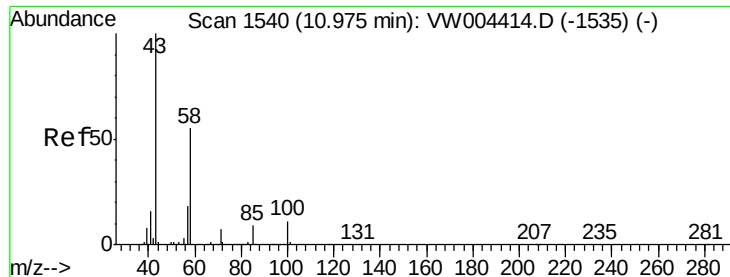
Tot Ion:	97	Resp:	274877
Ion	Ratio	Lower	Upper
97	100		
83	87.9	61.8	114.8
85	55.7	38.8	72.0
99	63.3	43.0	80.0



#47
 Tetrachloroethene
 Concen: 24.348 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 22:30

Tgt Ion:	164	Resp:	270642
Ion	Ratio	Lower	Upper
164	100		
129	93.5	65.4	121.4
131	88.3	63.8	118.6
166	125.6	88.1	163.5





#49

2-Hexanone

Concen: 59.903 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 22:30

Instrument :

MSVOA_W

ClientSampleId :

BFB91

Tot Ion: 43 Resp: 499277

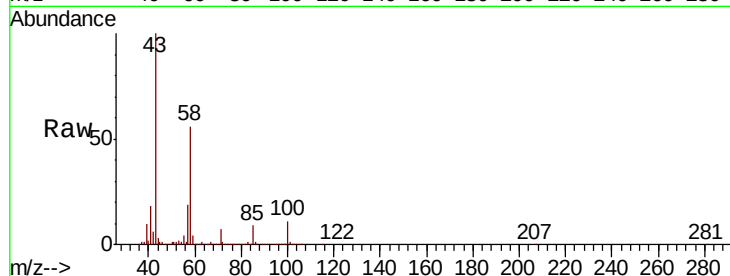
Ion Ratio Lower Upper

43 100

58 54.6 43.4 65.0

57 18.6 15.0 22.6

100 10.8 8.9 13.3

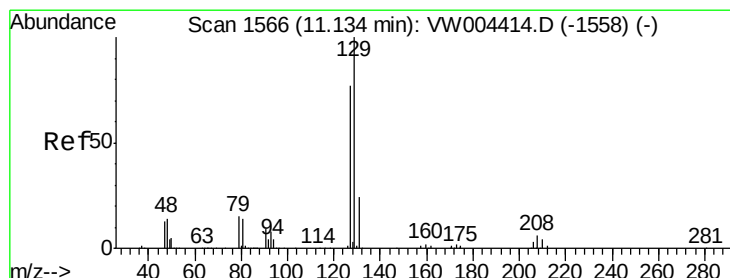
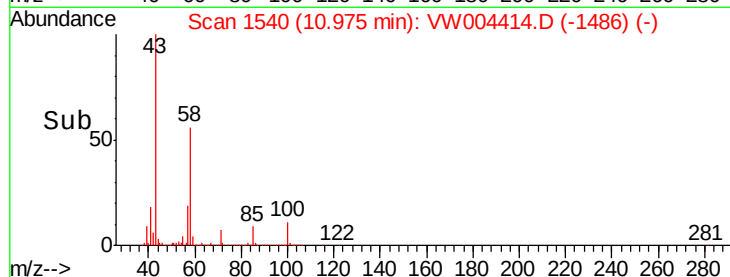
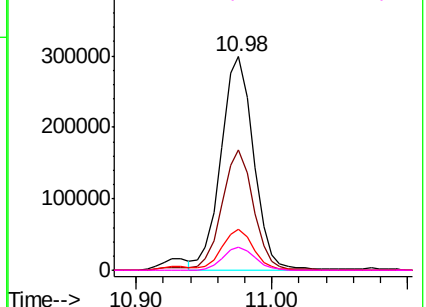


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 23.500 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VW004414.D

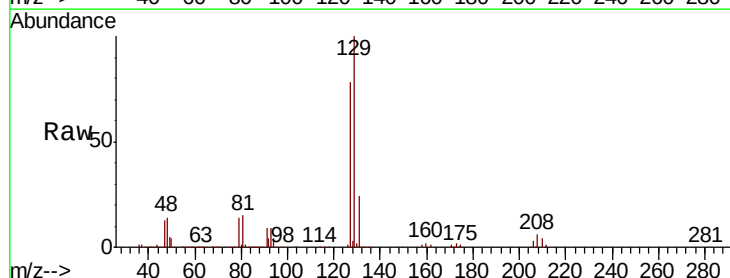
Acq: 02 Aug 2018 22:30

Tgt Ion: 129 Resp: 299780

Ion Ratio Lower Upper

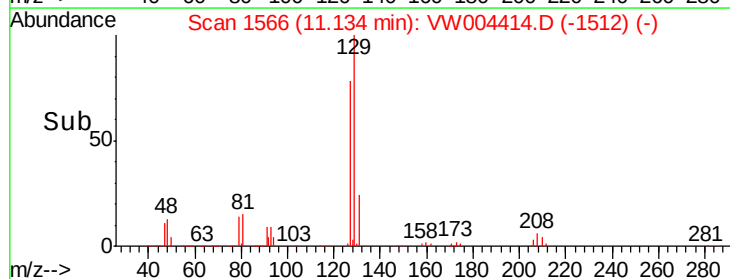
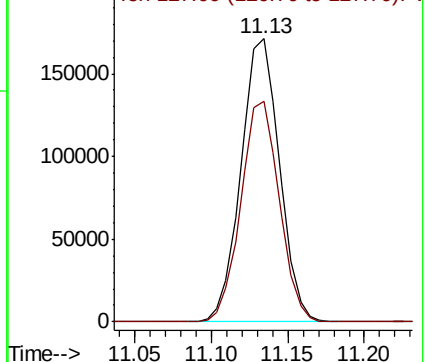
129 100

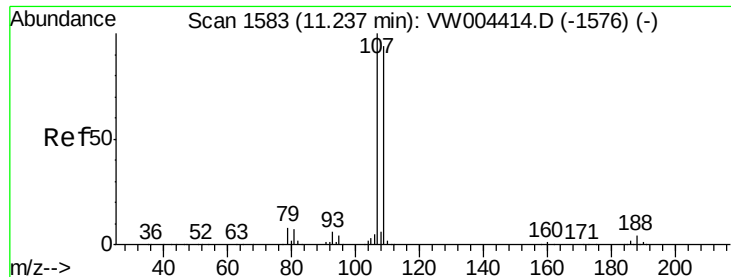
127 78.1 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 24.071 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 22:30

Instrument :

MSVOA_W

ClientSampleId :

BFB91

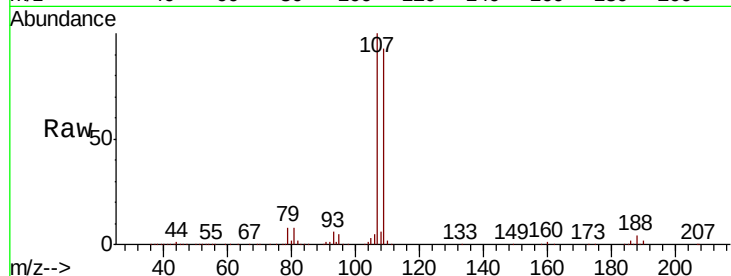
Tot Ion:107 Resp: 265342

Ion Ratio Lower Upper

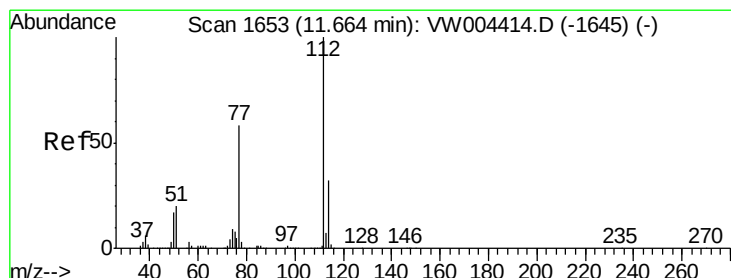
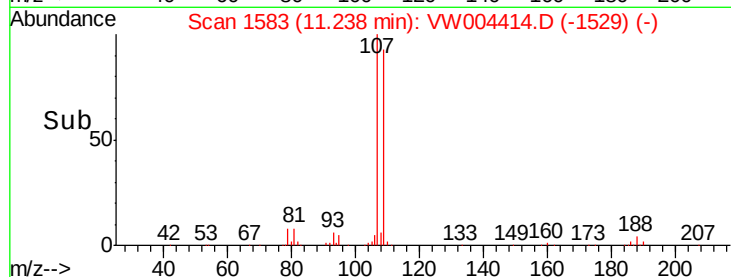
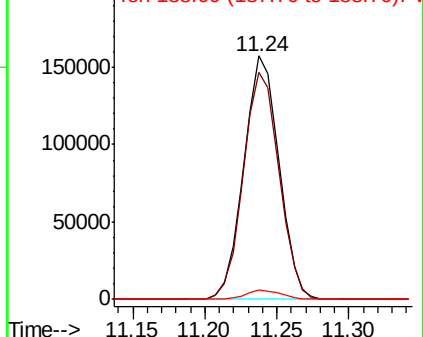
107 100

109 93.2 66.8 124.2

188 3.9 2.6 3.8#



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 23.955 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 22:30

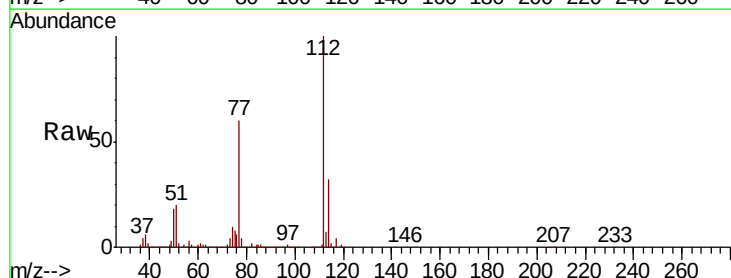
Tgt Ion:112 Resp: 910552

Ion Ratio Lower Upper

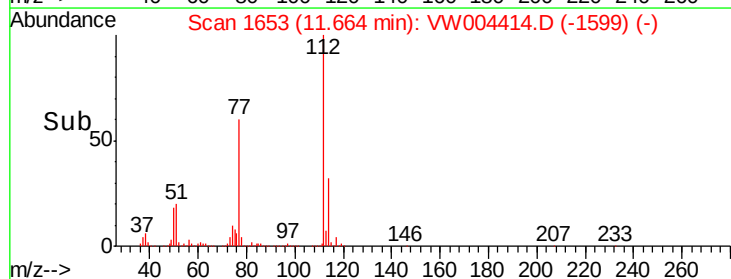
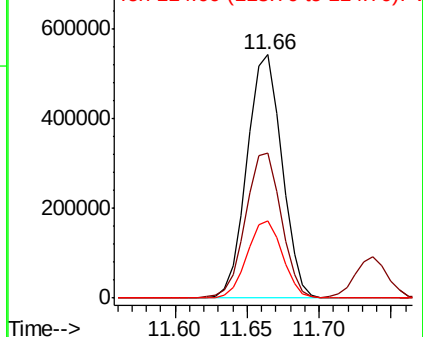
112 100

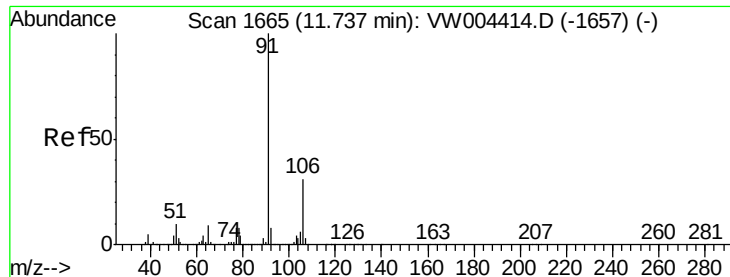
77 59.6 46.5 69.7

114 32.0 22.0 41.0



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V

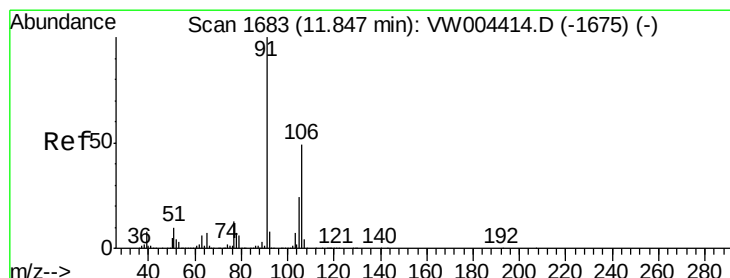
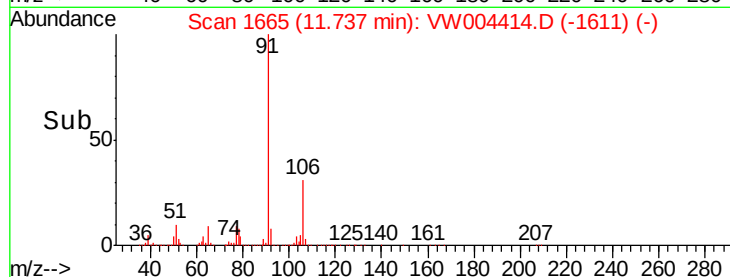
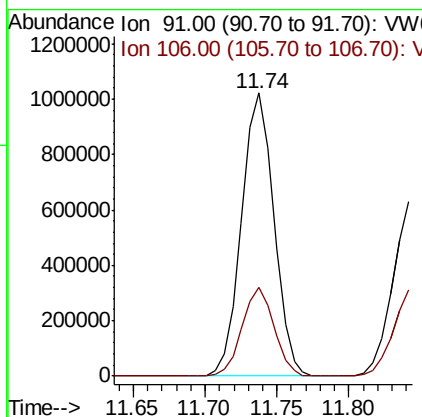
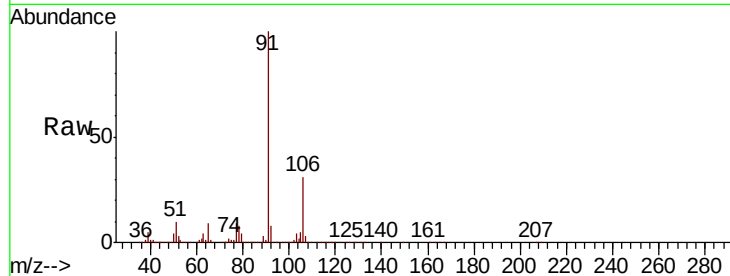




#53
Ethylbenzene
Concen: 25.313 ug/L
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004414.D
Acq: 02 Aug 2018 22:30

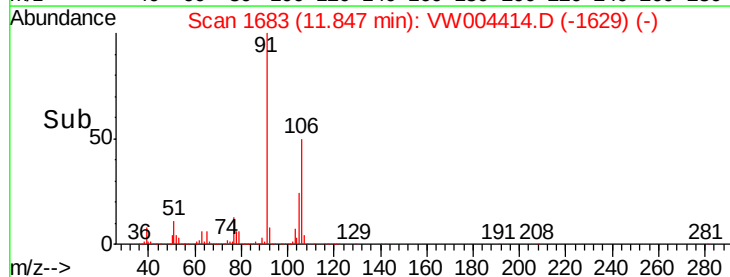
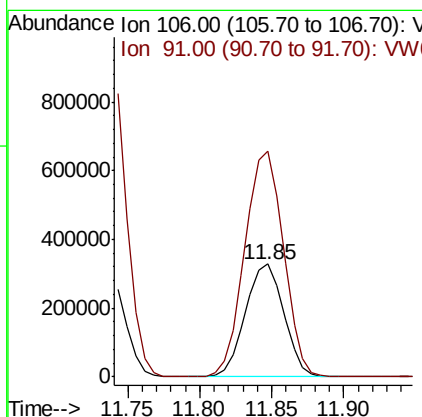
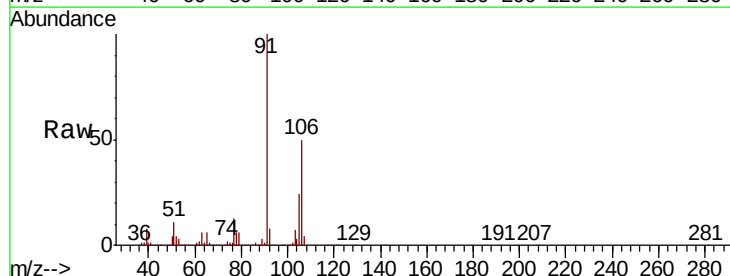
Instrument :
MSVOA_W
ClientSampled :
BFB91

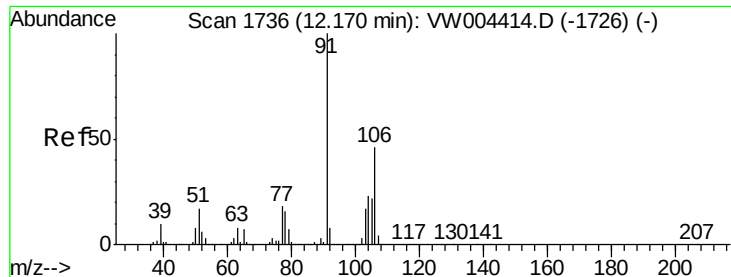
Tot Ion: 91 Resp: 1598712
Ion Ratio Lower Upper
91 100
106 31.2 21.6 40.0



#54
m,p-Xylene
Concen: 25.656 ug/L
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004414.D
Acq: 02 Aug 2018 22:30

Tgt Ion: 106 Resp: 604549
Ion Ratio Lower Upper
106 100
91 200.4 143.0 265.6





#55

o-xylene

Concen: 25.412 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 22:30

Instrument :

MSVOA_W

ClientSampled :

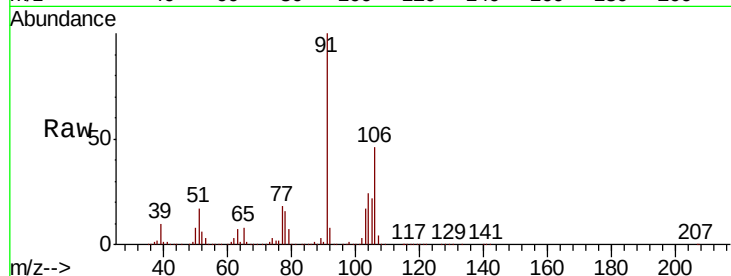
BFB91

Tot Ion:106 Resp: 567384

Ion Ratio Lower Upper

106 100

91 218.6 152.0 282.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

800000

600000

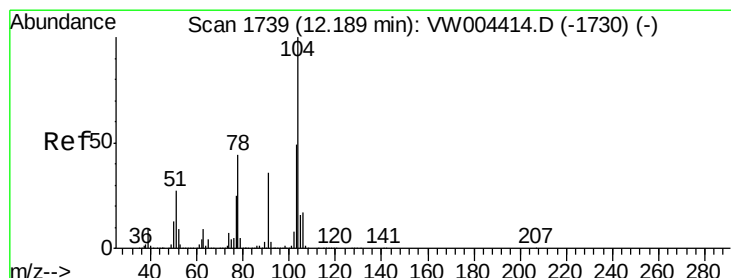
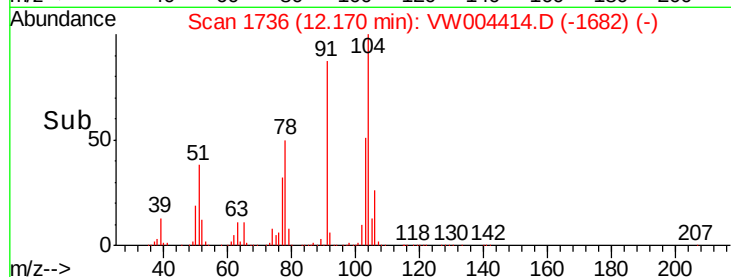
400000

200000

0

12.10 12.15 12.20 12.25

Time-->



#56

Styrene

Concen: 25.880 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW004414.D

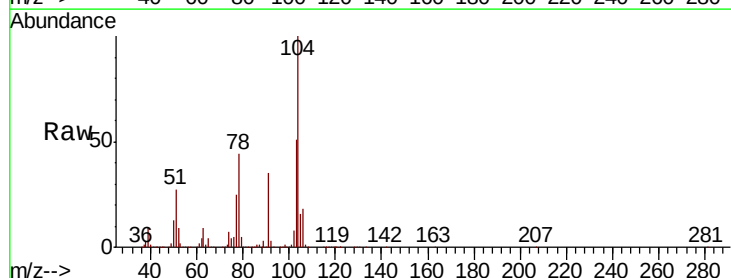
Acq: 02 Aug 2018 22:30

Tgt Ion:104 Resp: 1006886

Ion Ratio Lower Upper

104 100

78 43.7 30.8 57.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

600000

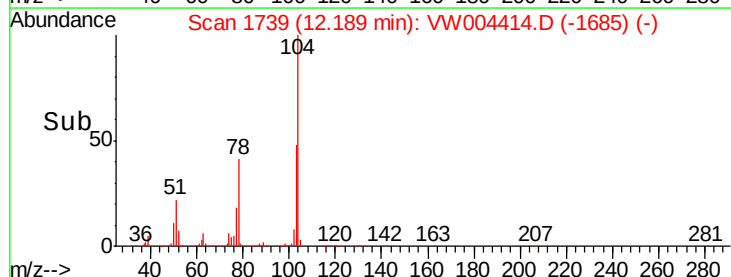
400000

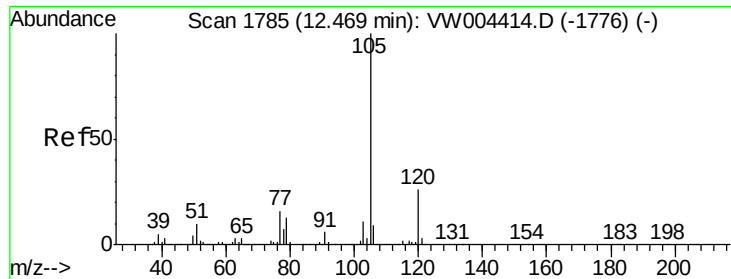
200000

0

12.10 12.20 12.30

Time-->





#57

Isopropylbenzene

Concen: 26.238 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 22:30

Instrument :

MSVOA_W

ClientSampled :

BFB91

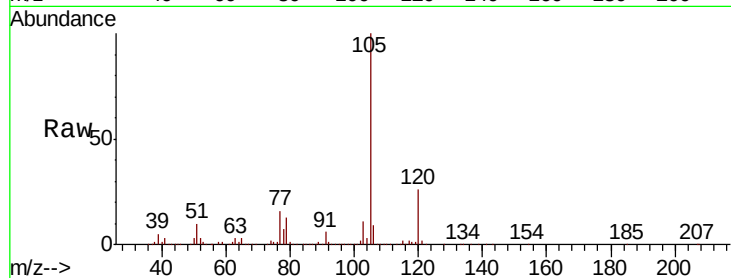
Tot Ion:105 Resp: 1585710

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

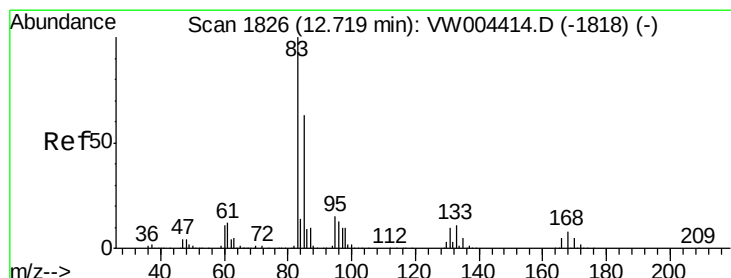
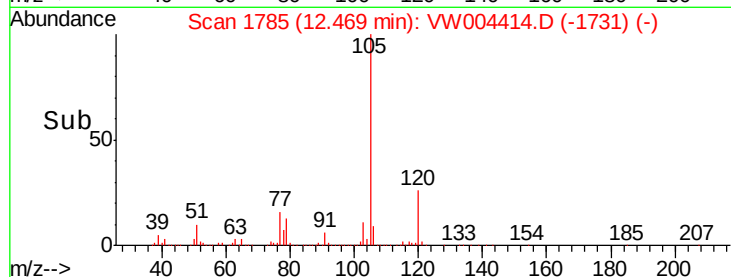
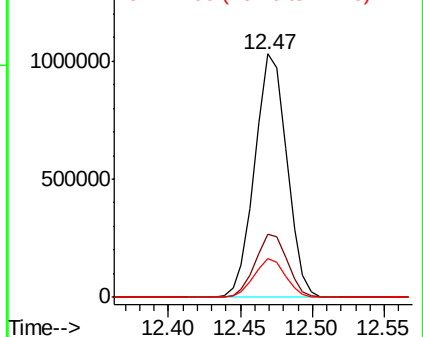
77 15.7 12.4 18.6



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: 25.244 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 22:30

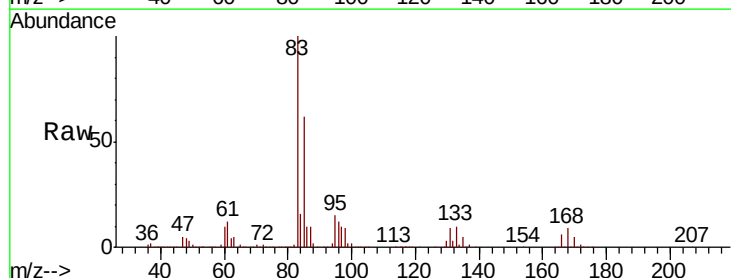
Tgt Ion: 83 Resp: 421337

Ion Ratio Lower Upper

83 100

85 62.2 46.1 85.5

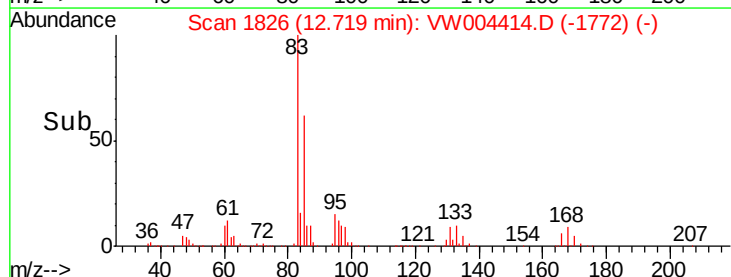
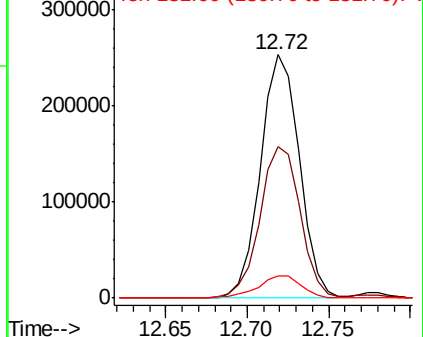
131 9.0 8.1 12.1

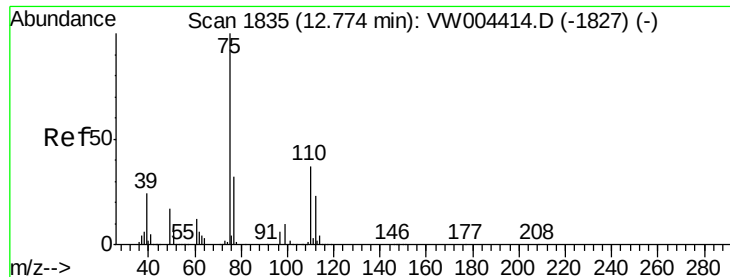


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.065 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 22:30

Instrument :

MSVOA_W

ClientSampleId :

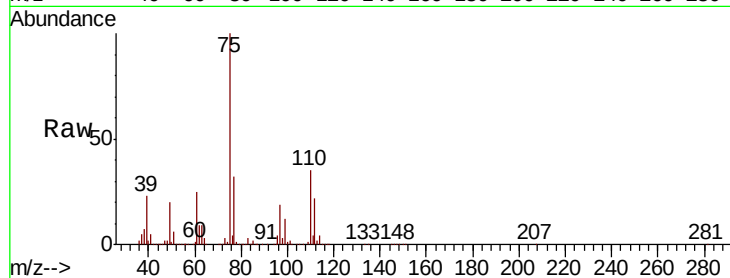
BFB91

Tot Ion: 75 Resp: 324924

Ion Ratio Lower Upper

75 100

77 32.2 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

200000

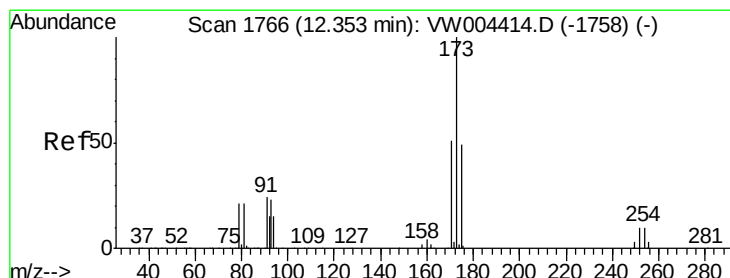
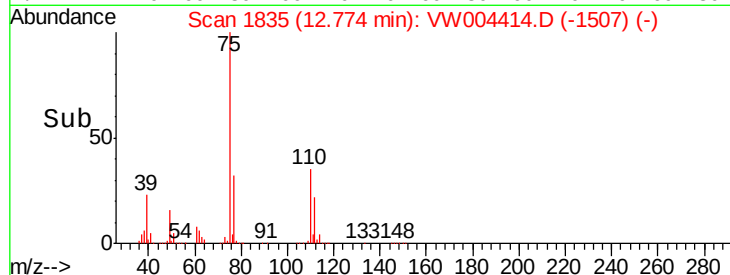
150000

100000

50000

0

Time--> 12.70 12.75 12.80 12.85



#62

Bromoform

Concen: 24.636 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 22:30

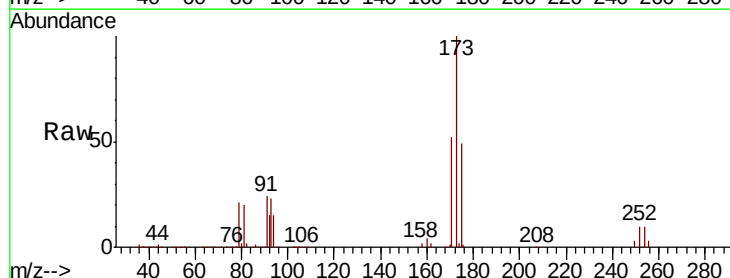
Tgt Ion: 173 Resp: 200688

Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.4

254 10.2 8.1 12.1



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

12.35

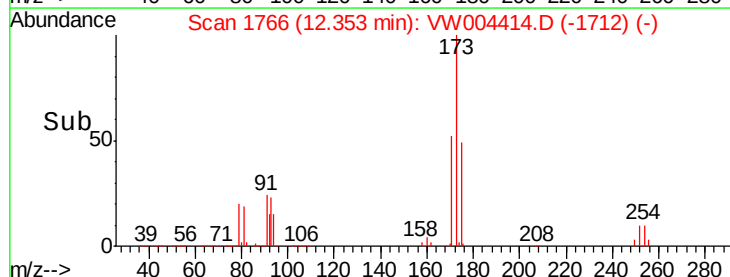
150000

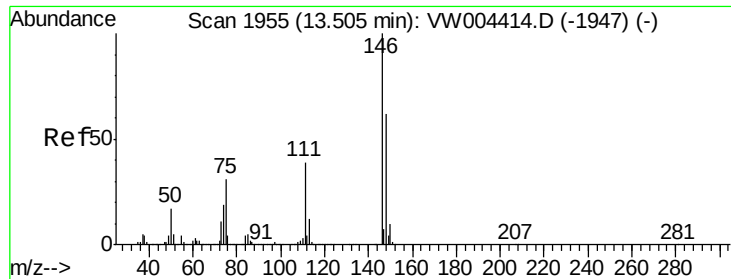
100000

50000

0

Time--> 12.30 12.40

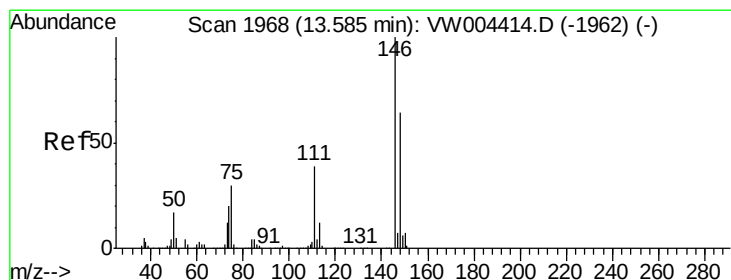
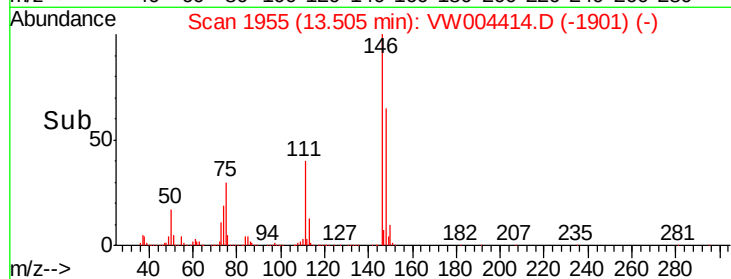
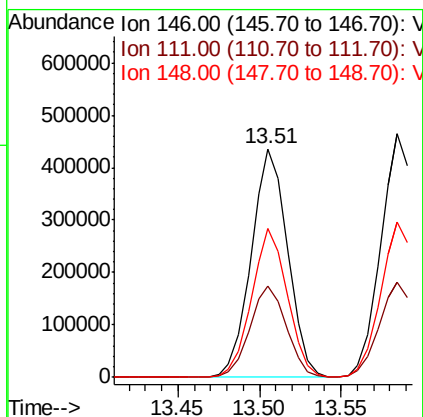
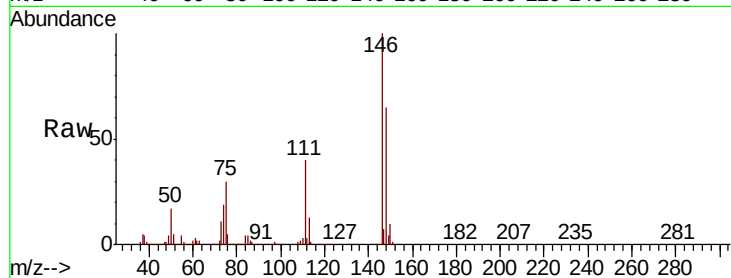




#63
 1,3-Dichlorobenzene
 Concen: 24.294 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 22:30

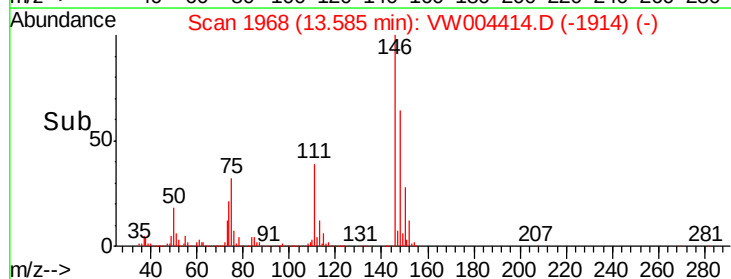
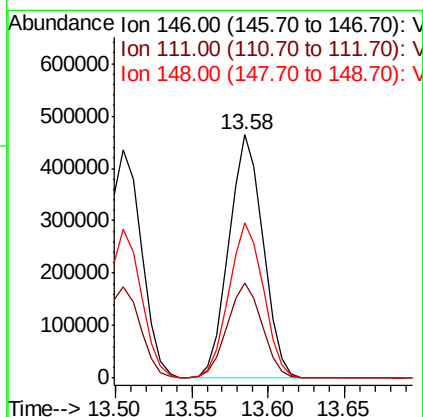
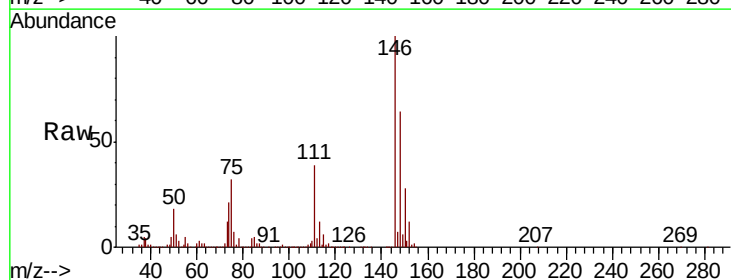
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB91

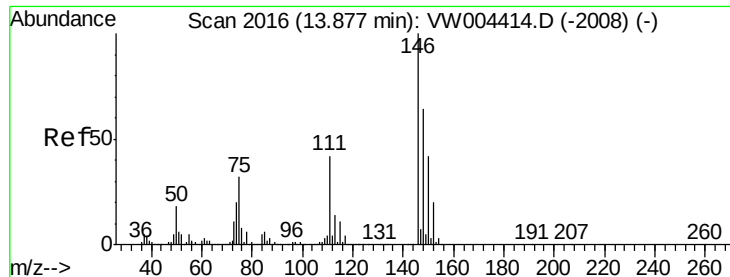
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	27.7	51.5
148	65.0	43.8	81.4



#64
 1,4-Dichlorobenzene
 Concen: 24.013 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 22:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	27.7	51.5
148	64.0	45.5	84.5

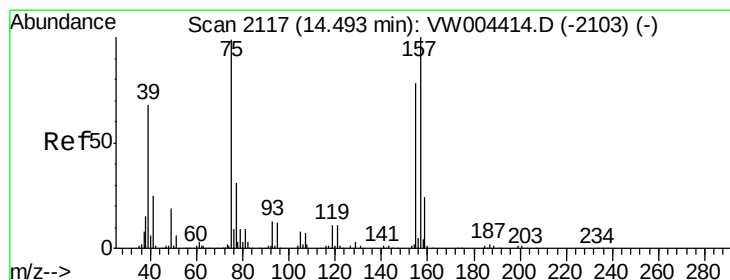
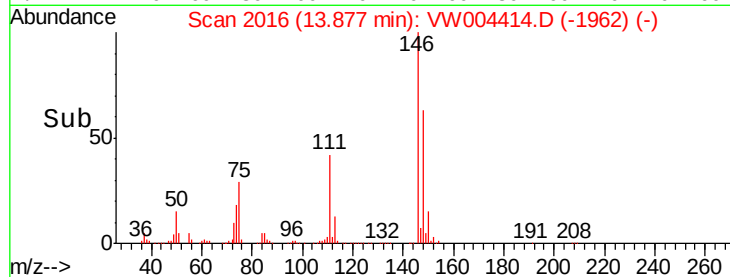
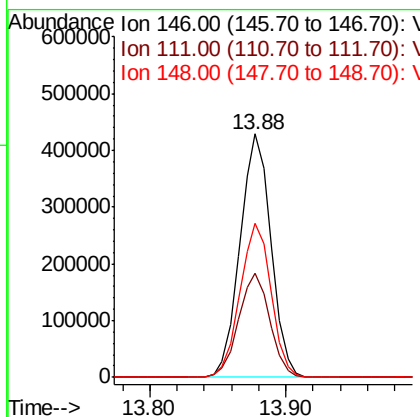
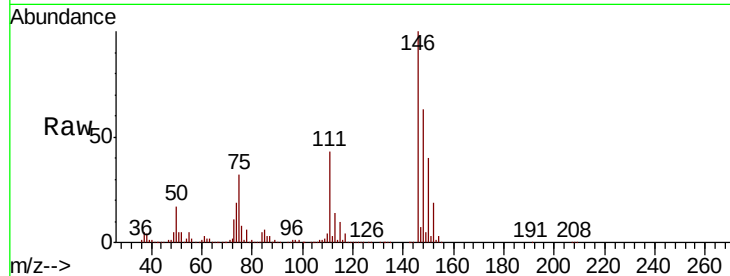




#65
 1,2-Dichlorobenzene
 Concen: 24.366 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 22:30

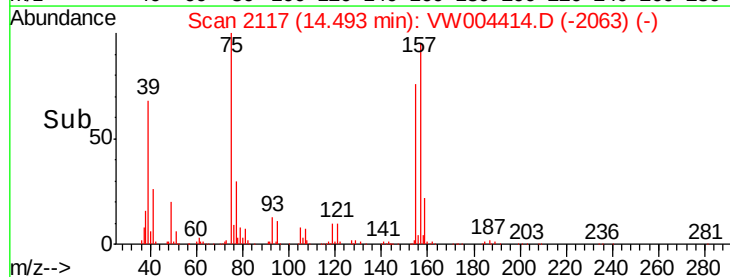
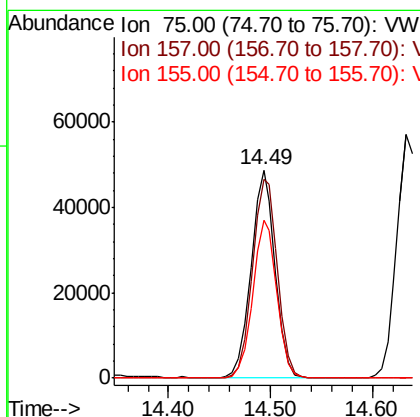
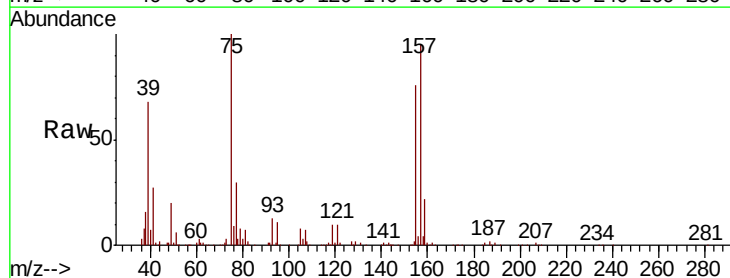
Instrument :
 MSVOA_W
 ClientSampled :
 BFB91

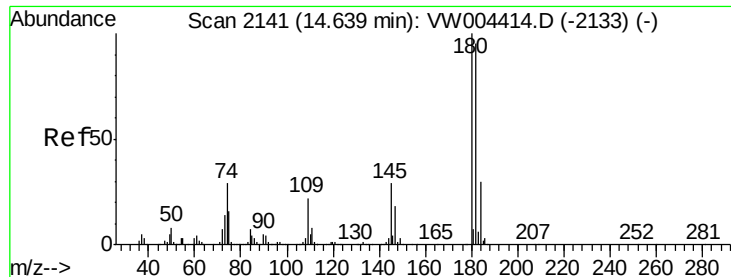
Tot Ion:146 Resp: 680908
 Ion Ratio Lower Upper
 146 100
 111 42.6 33.4 50.2
 148 63.4 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.806 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 22:30

Tgt Ion: 75 Resp: 79819
 Ion Ratio Lower Upper
 75 100
 157 95.3 81.4 122.0
 155 75.5 63.0 94.6

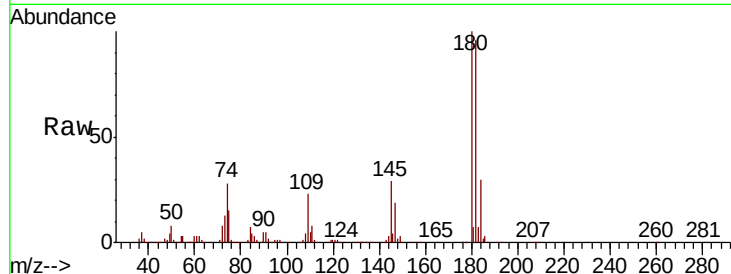




#67
 1,3,5-Trichlorobenzene
 Concen: 24.418 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 22:30

Instrument :
 MSVOA_W
 ClientSampled :
 BFB91

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.1	112.7
184	30.1	24.0	36.0
145	29.2	23.0	34.6



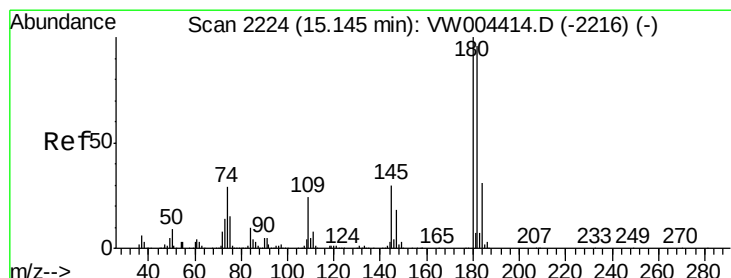
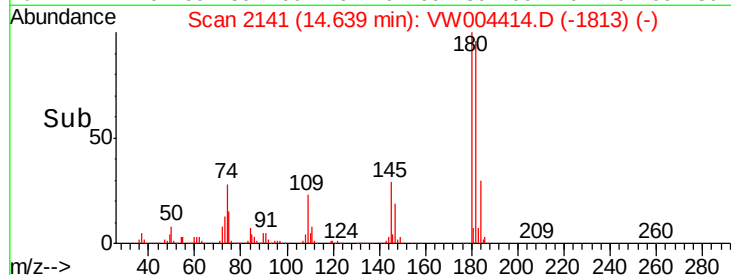
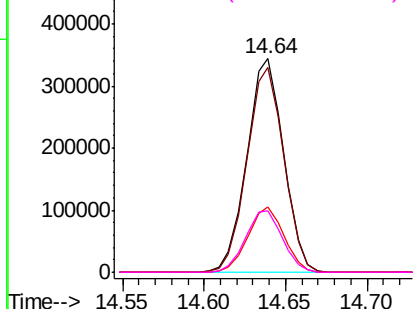
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

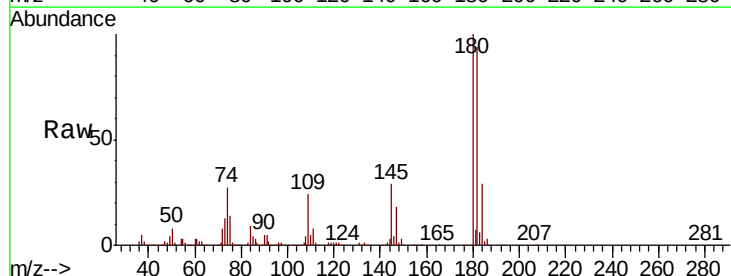
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.534 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 22:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.9	115.3
145	29.7	23.4	35.2

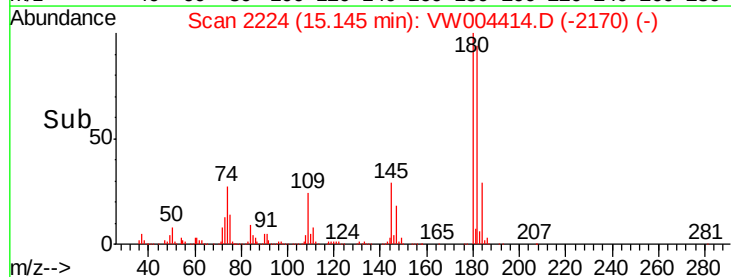
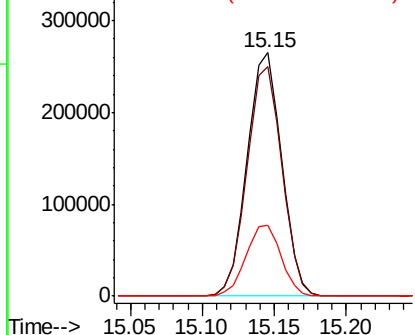


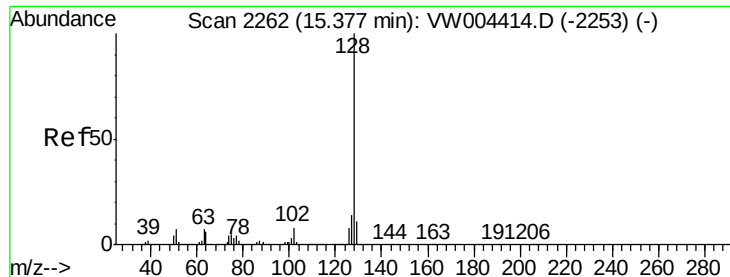
Abundance

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: 27.002 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 22:30

Instrument :

MSVOA_W

ClientSampleId :

BFB91

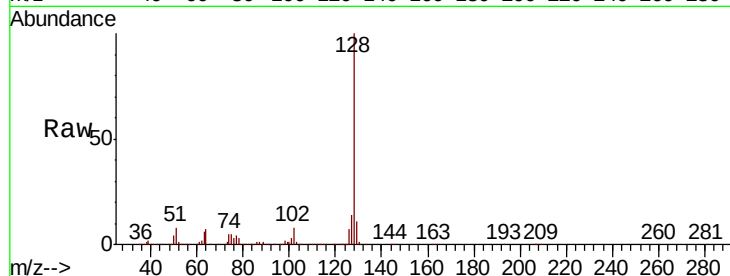
Tot Ion:128 Resp: 1101432

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

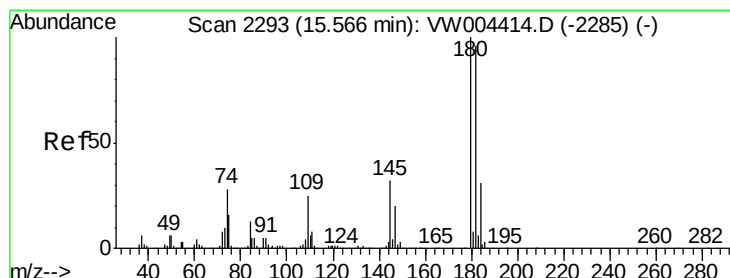
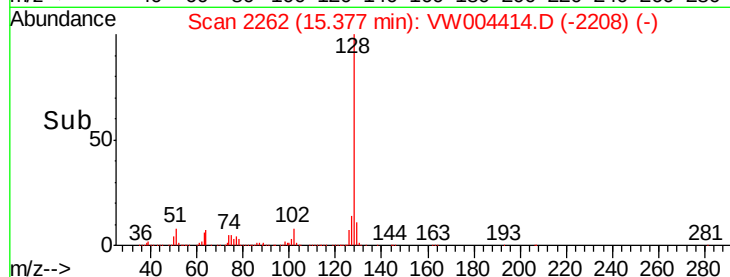
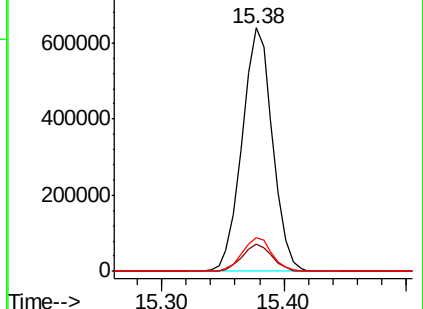
127 13.5 10.6 16.0



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: 25.235 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 22:30

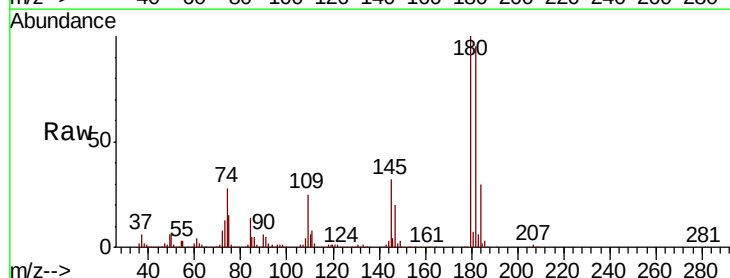
Tgt Ion:180 Resp: 439567

Ion Ratio Lower Upper

180 100

182 95.6 76.0 114.0

145 32.0 25.2 37.8



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

