

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080118\
 Data File : VW004368.D
 Acq On : 01 Aug 2018 10:14
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 02 03:54:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 02 03:53:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	305512	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	286404	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	156573	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	61878	25.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.96%
7) Chloroethane-d5	2.89	69	53481	22.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.96%
10) 1,1-Dichloroethene-d2	4.01	63	173750	25.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.12%
20) 2-Butanone-d5	7.09	46	90345	61.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.42%
24) Chloroform-d	7.65	84	183676	24.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.28%
26) 1,2-Dichloroethane-d4	8.31	65	107191	25.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.36%
29) Benzene-d6	8.27	84	357173	24.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.60%
33) 1,2-Dichloropropane-d6	9.27	67	110729	24.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.68%
37) Toluene-d8	10.33	98	344030	24.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.36%
38) trans-1,3-Dichloropropene-	10.58	79	54774	24.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.96%
39) 2-Hexanone-d5	10.93	63	73426	62.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.82%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	132662	27.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.88%
61) 1,2-Dichlorobenzene-d4	13.87	152	138688	23.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	57782	20.713	ug/L 98
3) Chloromethane	2.22	50	54954	20.758	ug/L 97
5) Vinyl chloride	2.37	62	85607	26.195	ug/L 99
6) Bromomethane	2.78	94	57083	24.389	ug/L 98
8) Chloroethane	2.93	64	55067	23.963	ug/L 96
9) Trichlorofluoromethane	3.25	101	57258	20.898	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	100804	24.958	ug/L 92
12) 1,1-Dichloroethene	4.04	96	97595	25.731	ug/L 85
13) Acetone	4.14	43	77501	60.019	ug/L 100
14) Carbon disulfide	4.37	76	286744	25.559	ug/L 99
15) Methyl Acetate	4.67	43	73112	28.398	ug/L 94
16) Methylene chloride	4.91	84	103354	21.404	ug/L 94
17) Methyl tert-butyl Ether	5.43	73	140885	23.649	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	97409	23.661	ug/L 92
19) 1,1-Dichloroethane	6.21	63	176557	24.668	ug/L 97
21) 2-Butanone	7.18	43	101562	57.710	ug/L 96
22) cis-1,2-Dichloroethene	7.17	96	107080	23.599	ug/L 100

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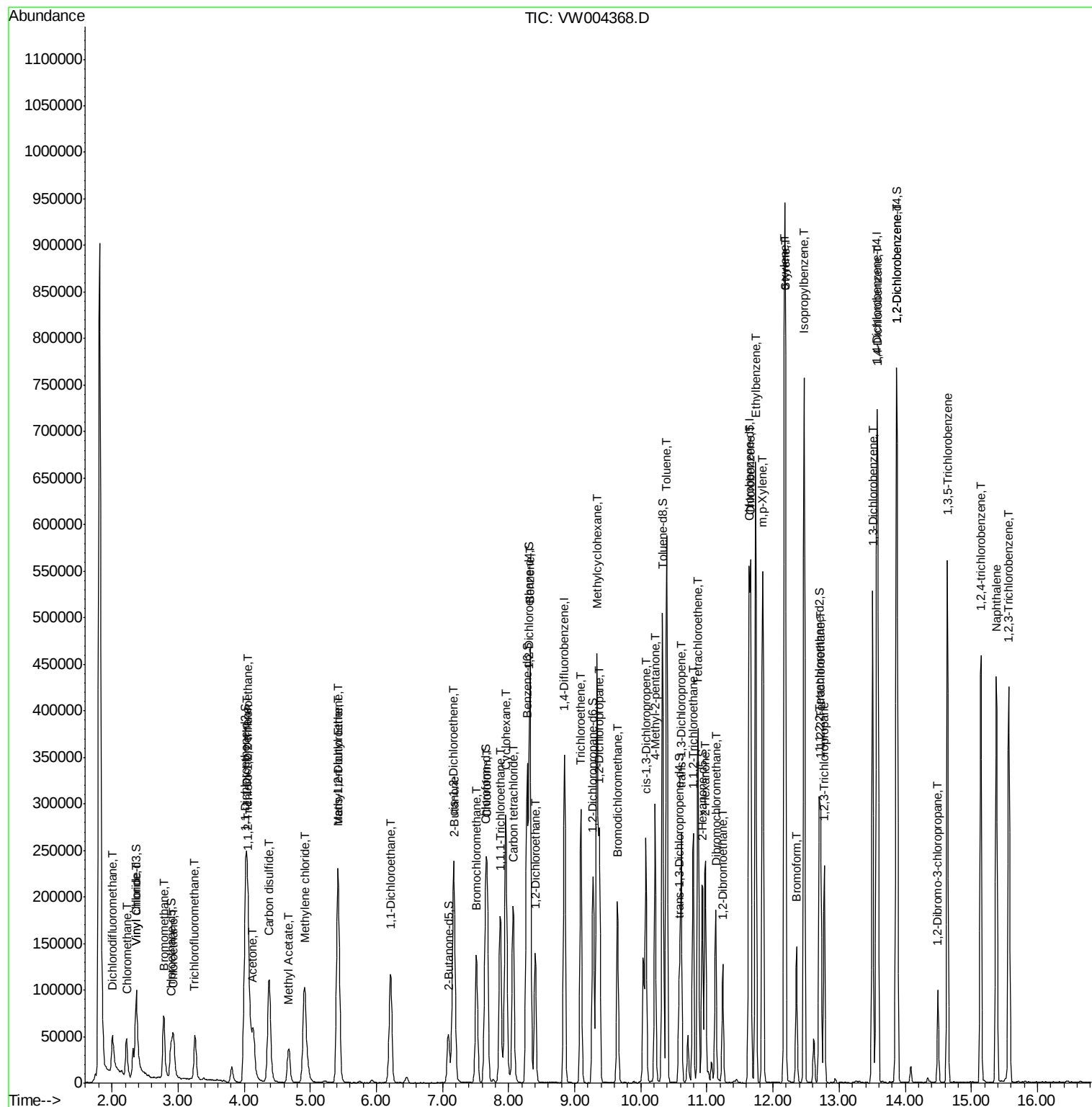
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	52156	24.473	ug/L	88
25) Chloroform	7.68	83	182667	24.258	ug/L	100
27) 1,2-Dichloroethane	8.40	62	126568	24.884	ug/L	99
30) Cyclohexane	7.96	56	167810	24.810	ug/L	93
31) 1,1,1-Trichloroethane	7.87	97	154447	24.610	ug/L	99
32) Carbon tetrachloride	8.07	117	150783	24.669	ug/L	99
34) Benzene	8.32	78	401022	24.154	ug/L	100
35) Trichloroethene	9.09	95	104334	23.476	ug/L	99
36) Methylcyclohexane	9.34	83	190948	24.087	ug/L	97
40) 1,2-Dichloropropane	9.37	63	102684	24.655	ug/L	100
41) Bromodichloromethane	9.65	83	129921	24.111	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	157655	24.133	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	193519	57.395	ug/L	98
44) Toluene	10.39	91	430304	24.101	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	146543	24.986	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	85385	24.861	ug/L	96
47) Tetrachloroethene	10.87	164	91771	24.048	ug/L	99
49) 2-Hexanone	10.98	43	153894	61.412	ug/L	97
50) Dibromochloromethane	11.13	129	103121	24.647	ug/L	91
51) 1,2-Dibromoethane	11.24	107	87374	25.669	ug/L	98
52) Chlorobenzene	11.66	112	271953	22.883	ug/L	93
53) Ethylbenzene	11.74	91	466474	23.095	ug/L	94
54) m,p-Xylene	11.85	106	182847	23.932	ug/L	97
55) o-xylene	12.17	106	173424	24.032	ug/L	97
56) Styrene	12.19	104	309497	24.776	ug/L	98
57) Isopropylbenzene	12.47	105	482770	23.861	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	125331	26.580	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	99090	27.294	ug/L	98
62) Bromoform	12.35	173	71134	24.355	ug/L	96
63) 1,3-Dichlorobenzene	13.51	146	230320	22.806	ug/L	92
64) 1,4-Dichlorobenzene	13.59	146	240903	23.185	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	223682	23.428	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	24822	26.385	ug/L	97
67) 1,3,5-Trichlorobenzene	14.64	180	184068	22.989	ug/L	97
68) 1,2,4-trichlorobenzene	15.15	180	155769	22.908	ug/L	99
69) Naphthalene	15.38	128	380052	24.731	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	153018	24.320	ug/L	99

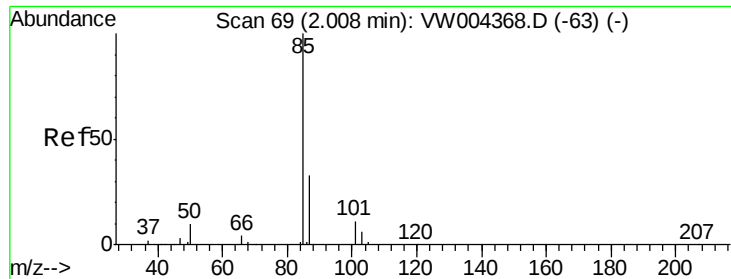
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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#2

Dichlorodifluoromethane

Concen: 20.713 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

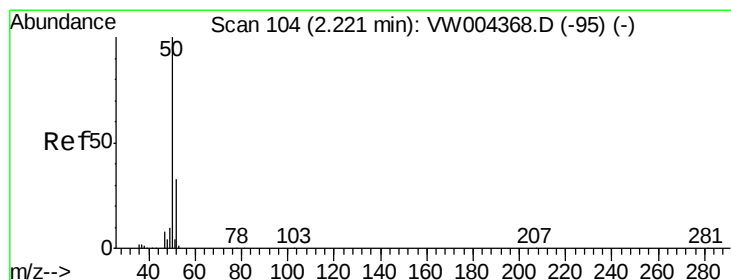
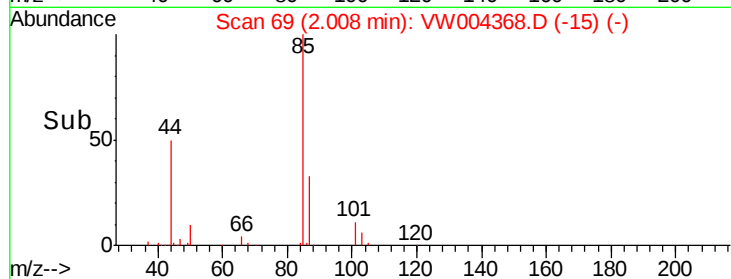
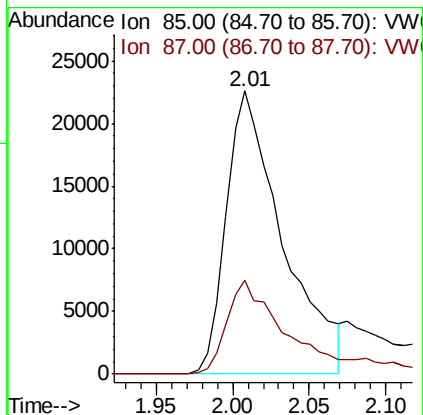
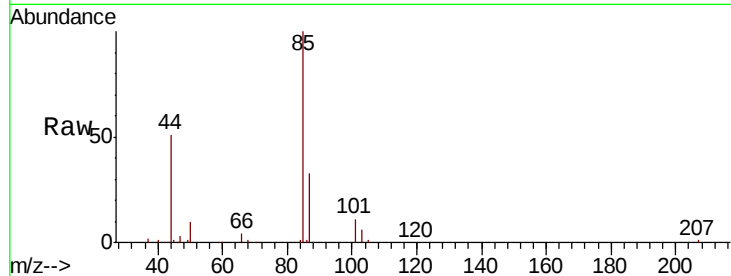
ClientSampled :

Tot Ion: 85 Resp: 57782

Ion Ratio Lower Upper

85 100

87 32.9 22.1 41.1



#3

Chloromethane

Concen: 20.758 ug/L

RT: 2.22 min Scan# 104

Delta R.T. 0.00 min

Lab File: VW004368.D

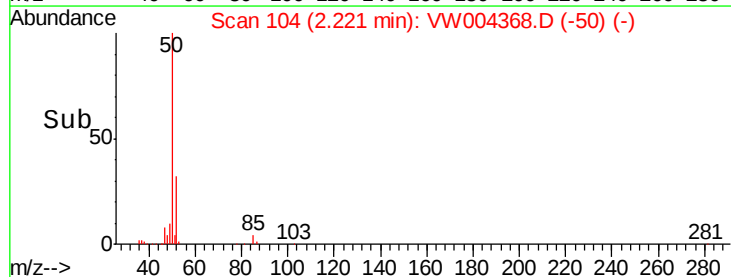
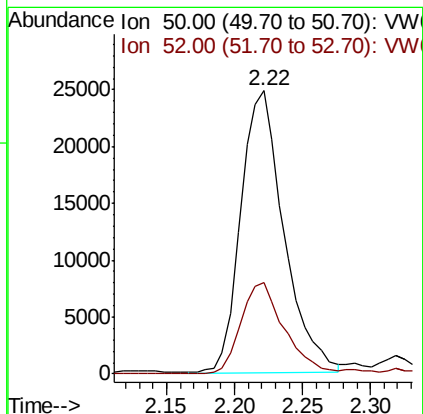
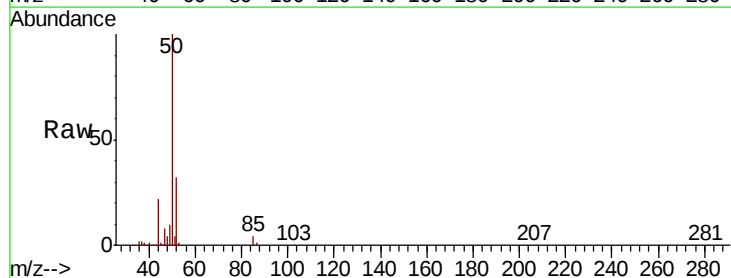
Acq: 01 Aug 2018 10:14

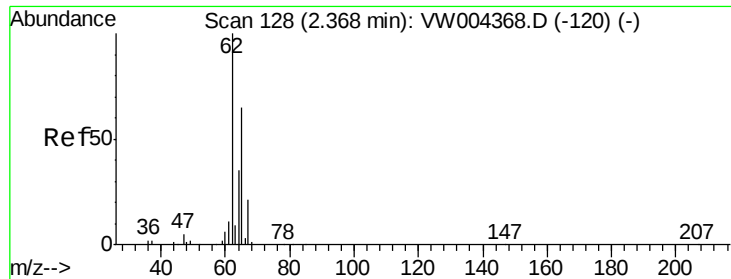
Tgt Ion: 50 Resp: 54954

Ion Ratio Lower Upper

50 100

52 32.3 21.6 40.0





#5

Vinyl chloride

Concen: 26.195 ug/L

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

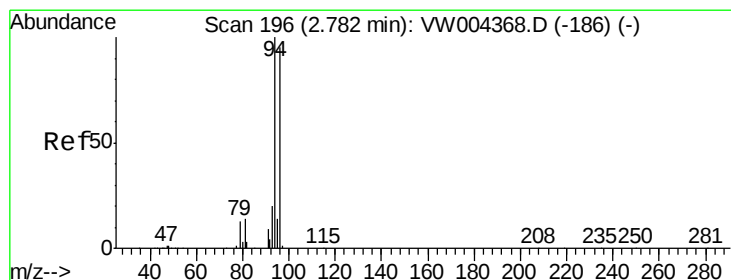
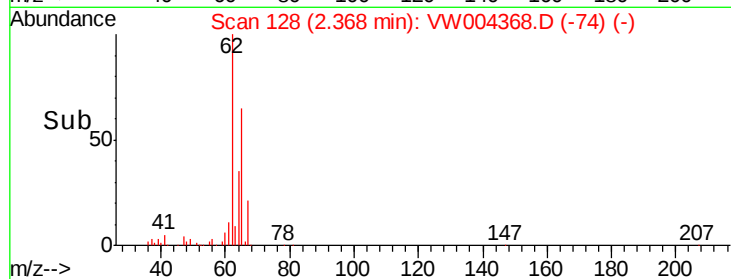
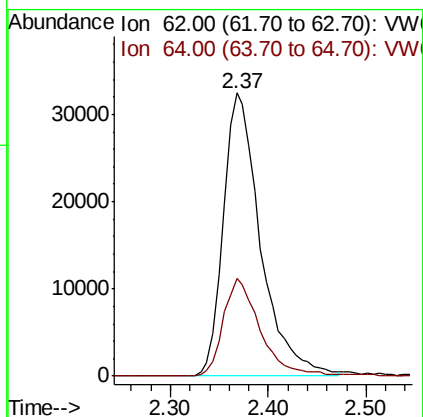
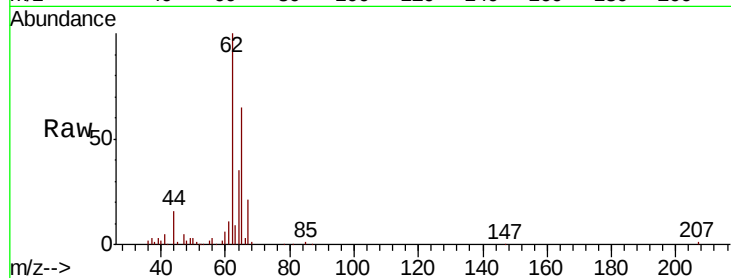
ClientSampleId :

Tot Ion: 62 Resp: 85607

Ion Ratio Lower Upper

62 100

64 34.5 23.9 44.5



#6

Bromomethane

Concen: 24.389 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004368.D

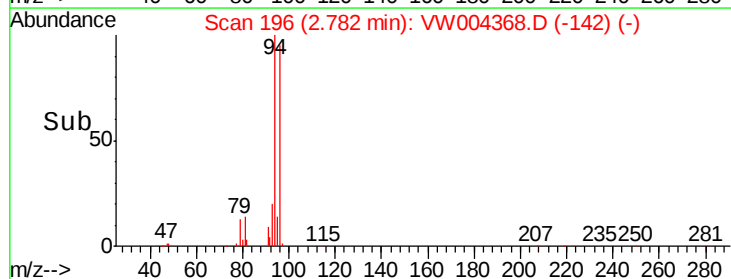
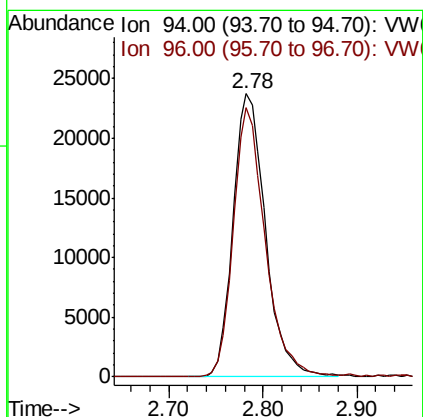
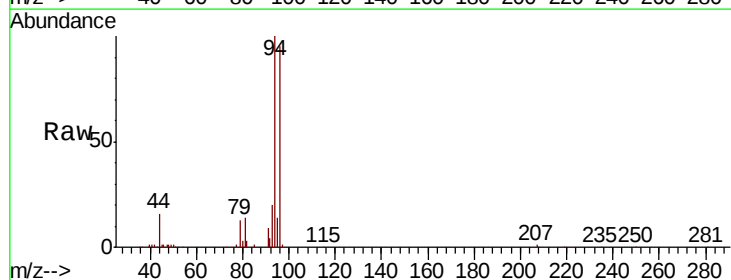
Acq: 01 Aug 2018 10:14

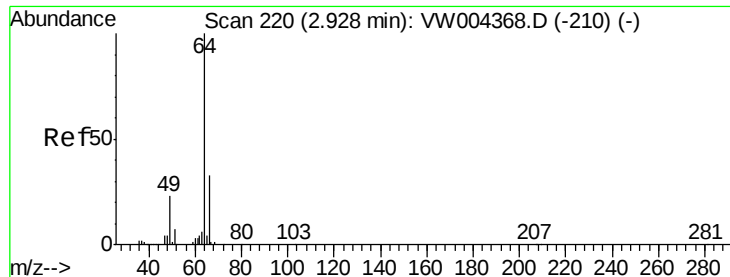
Tgt Ion: 94 Resp: 57083

Ion Ratio Lower Upper

94 100

96 93.6 9.5 181.1





#8

Chloroethane

Concen: 23.963 ug/L

RT: 2.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

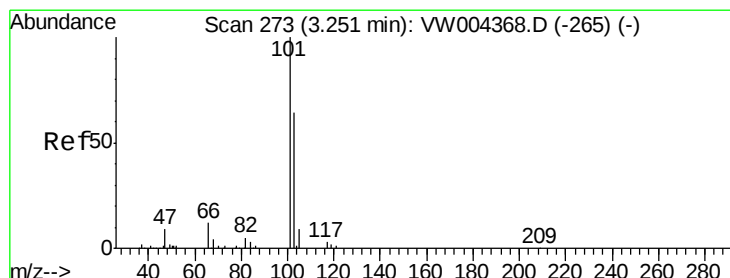
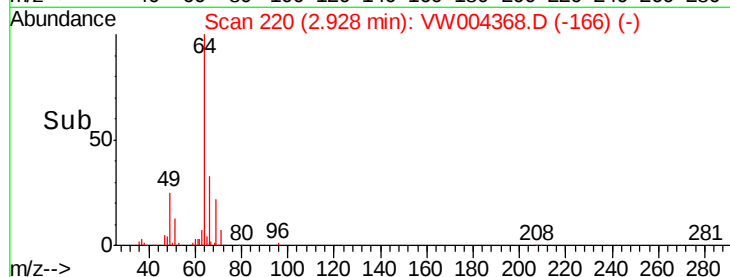
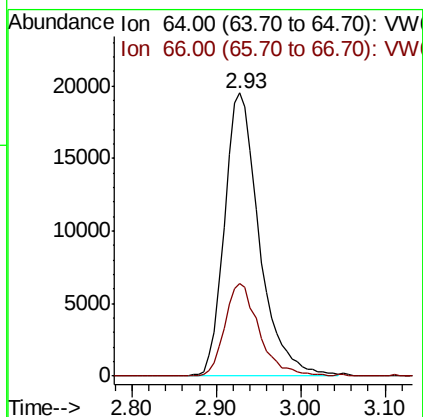
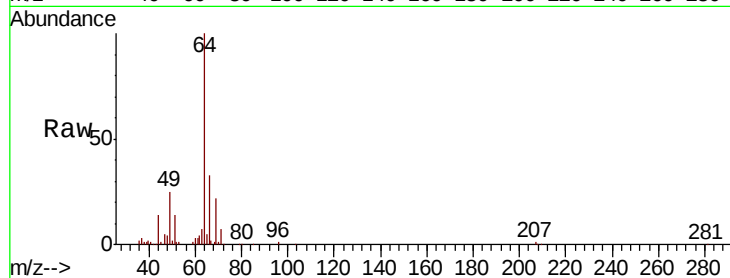
ClientSampleId :

Tot Ion: 64 Resp: 55067

Ion Ratio Lower Upper

64 100

66 32.8 21.5 39.9



#9

Trichlorofluoromethane

Concen: 20.898 ug/L

RT: 3.25 min Scan# 273

Delta R.T. 0.00 min

Lab File: VW004368.D

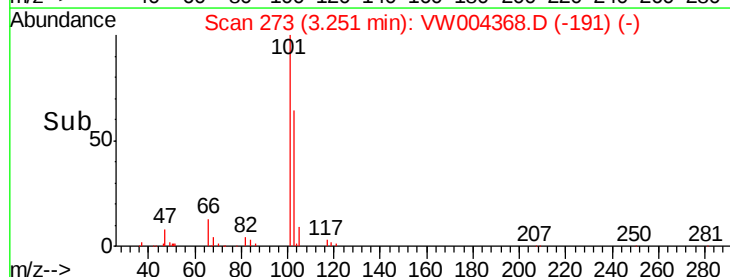
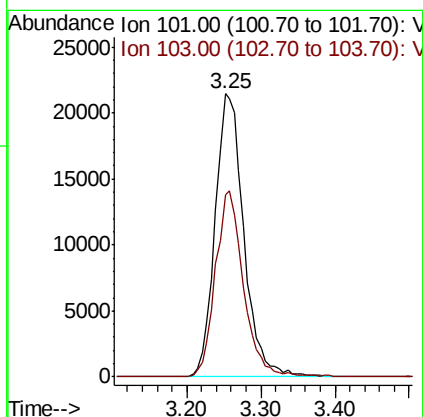
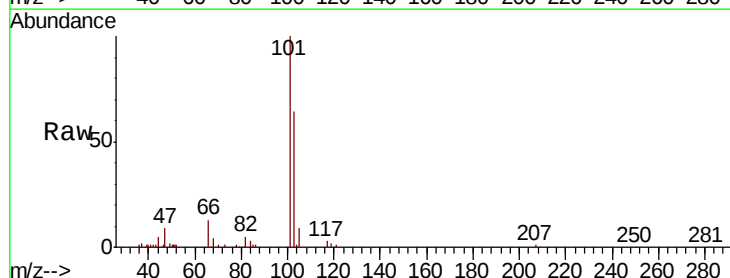
Acq: 01 Aug 2018 10:14

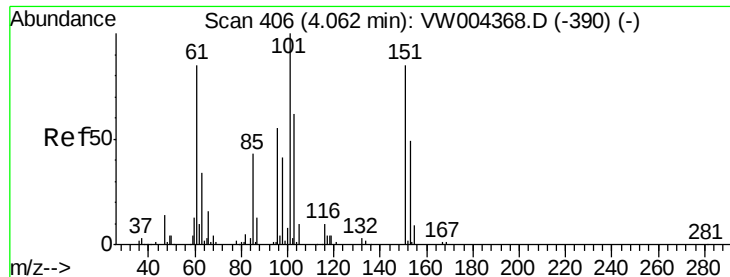
Tgt Ion: 101 Resp: 57258

Ion Ratio Lower Upper

101 100

103 63.9 45.3 84.1





#11

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

Concen: 24.958 ug/L

RT: 4.06 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

ClientSampleId :

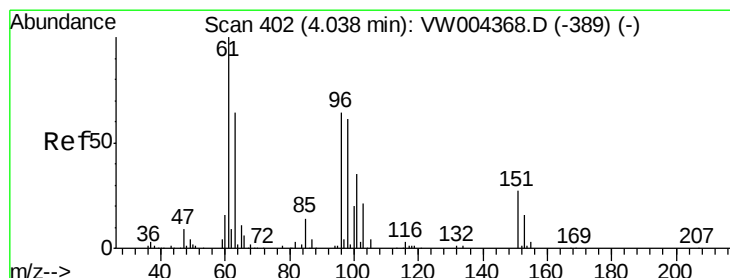
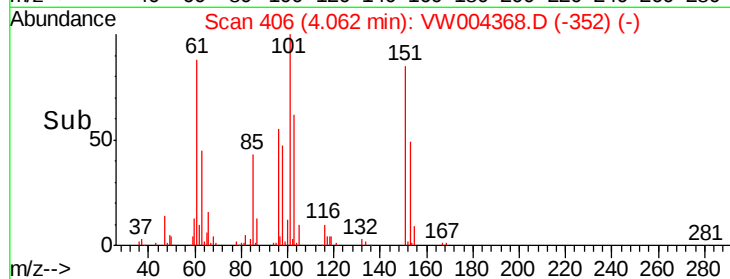
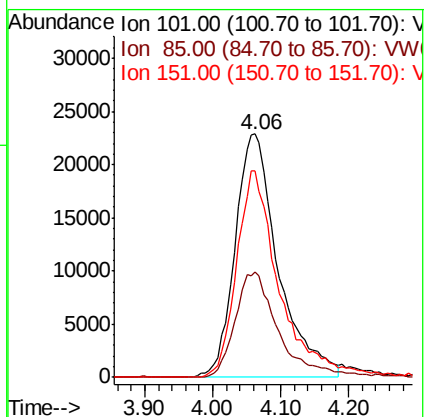
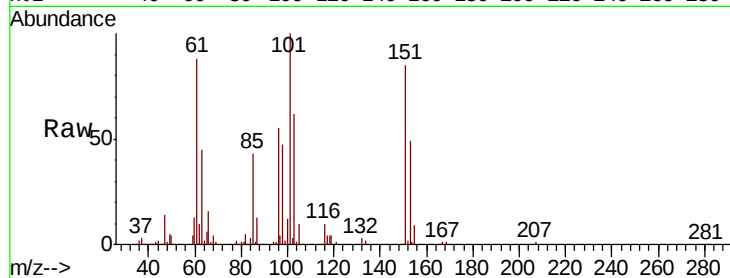
Tot Ion:101 Resp: 100804

Ion Ratio Lower Upper

101 100

85 42.3 32.4 48.6

151 77.4 69.2 103.8



#12

1,1-Dichloroethene

Concen: 25.731 ug/L

RT: 4.04 min Scan# 402

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

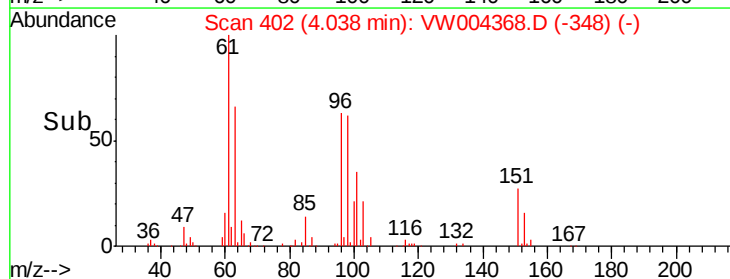
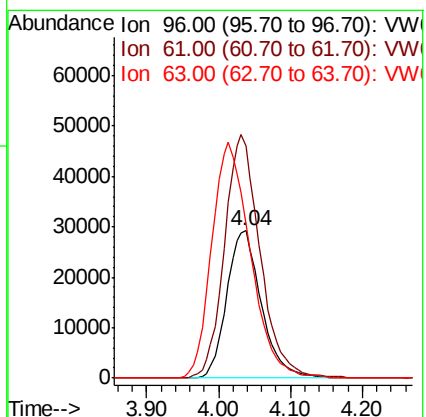
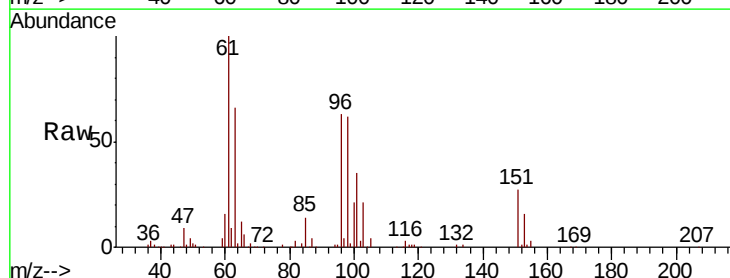
Tgt Ion: 96 Resp: 97595

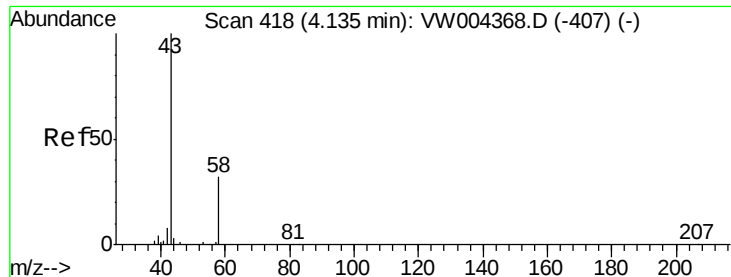
Ion Ratio Lower Upper

96 100

61 157.6 115.4 214.4

63 104.3 94.4 175.2





#13

Acetone

Concen: 60.019 ug/L

RT: 4.14 min Scan# 418

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

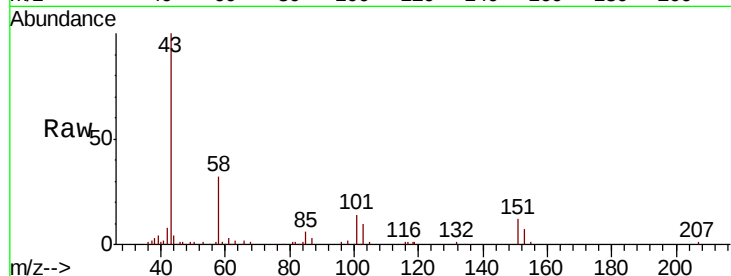
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 77501

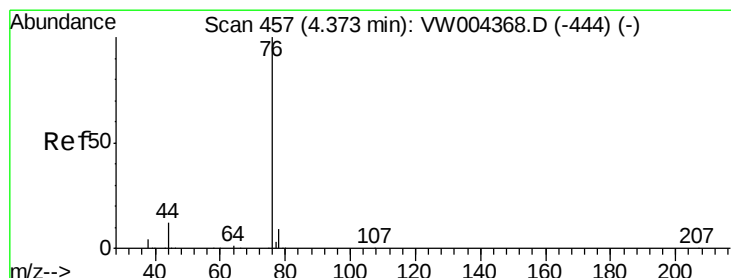
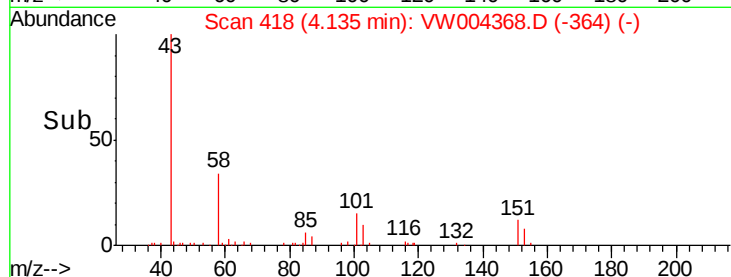
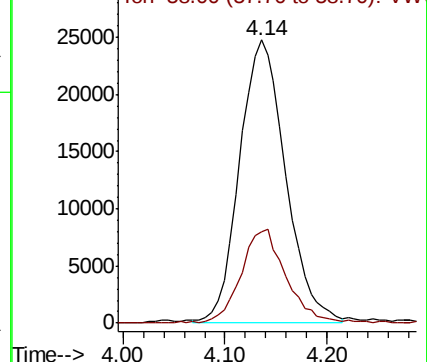
Ion Ratio Lower Upper

43 100

58 32.2 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.559 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW004368.D

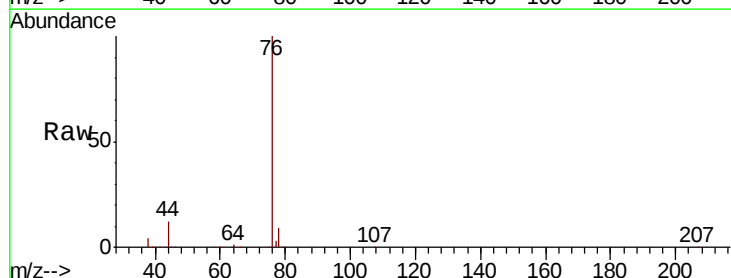
Acq: 01 Aug 2018 10:14

Tgt Ion: 76 Resp: 286744

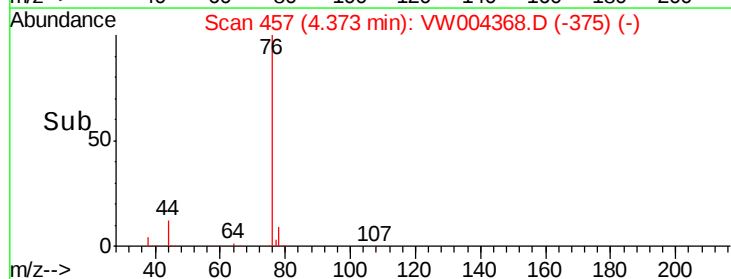
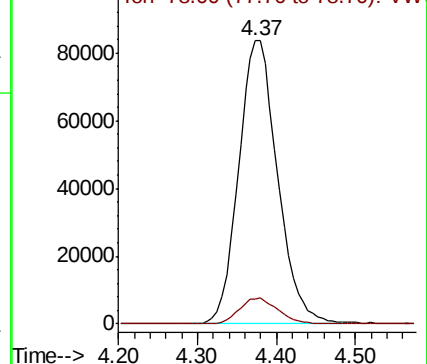
Ion Ratio Lower Upper

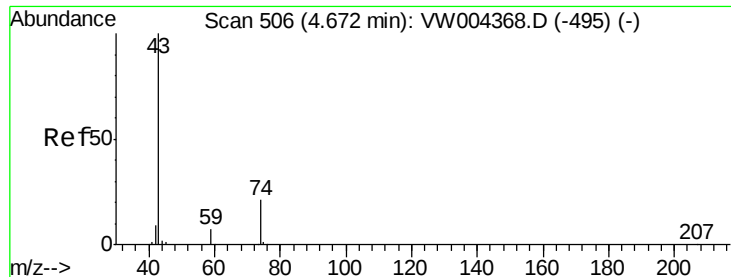
76 100

78 8.9 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VW
Ion 78.00 (77.70 to 78.70): VW

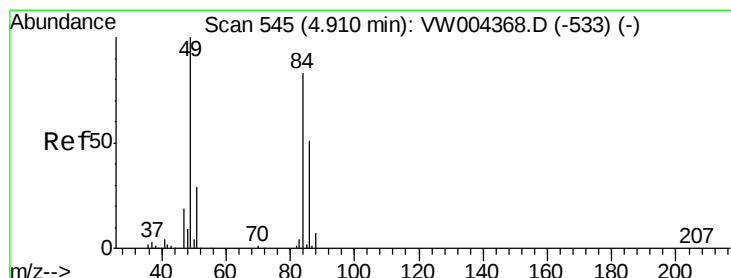
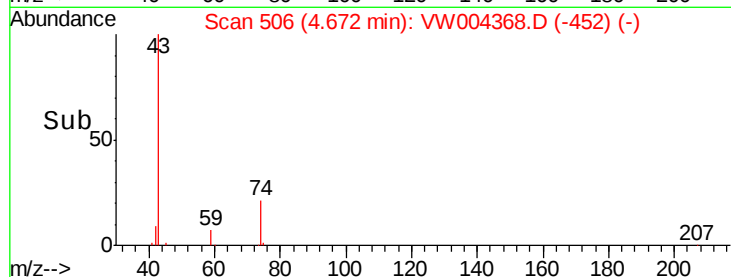
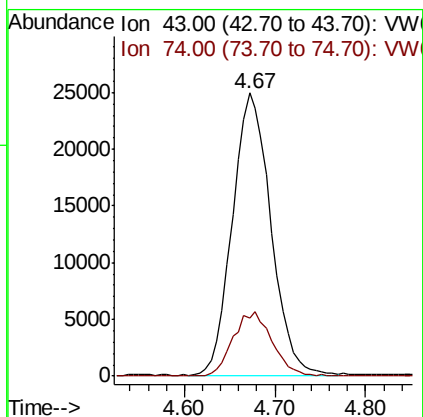
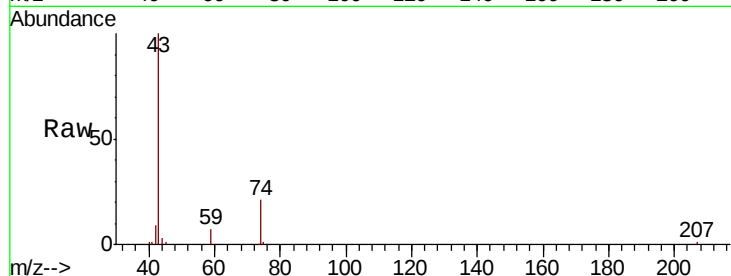




#15
Methyl Acetate
Concen: 28.398 ug/L
RT: 4.67 min Scan# 506
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

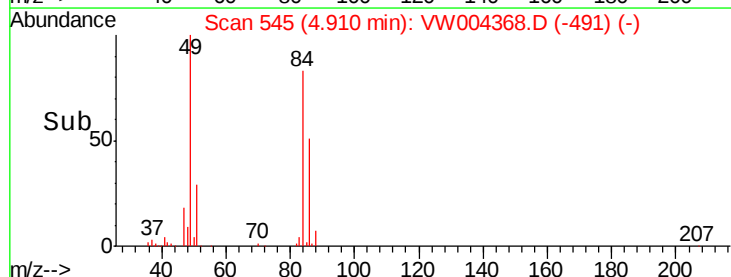
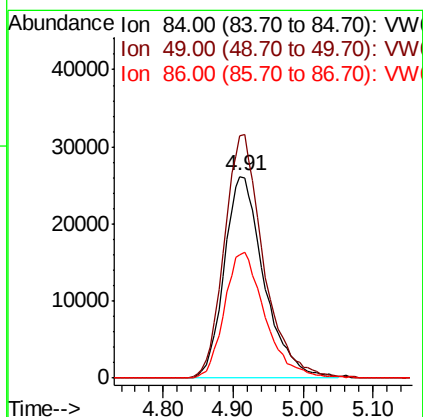
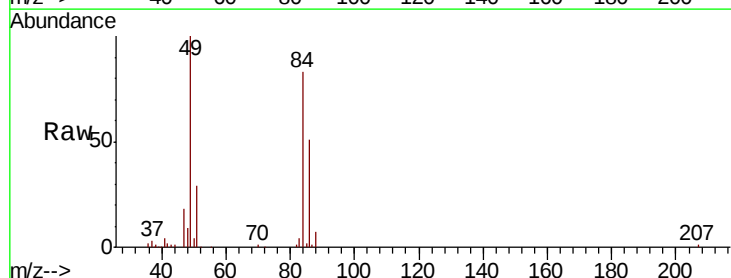
Instrument :
MSVOA_W
ClientSampled :

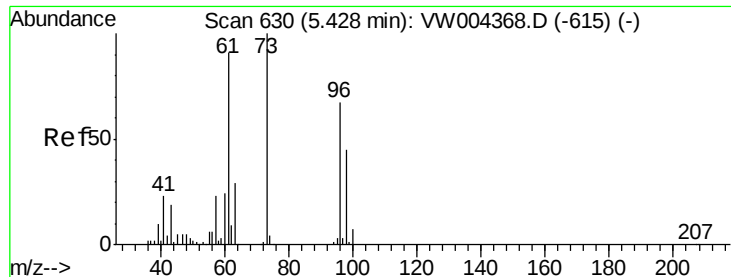
Tot Ion: 43 Resp: 73112
Ion Ratio Lower Upper
43 100
74 22.9 20.6 31.0



#16
Methylene chloride
Concen: 21.404 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

Tgt Ion: 84 Resp: 103354
Ion Ratio Lower Upper
84 100
49 120.4 79.5 147.7
86 61.3 45.8 85.2

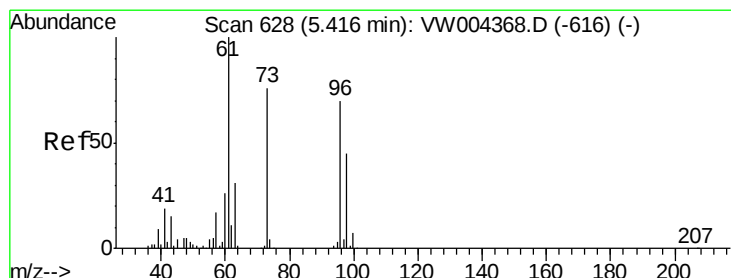
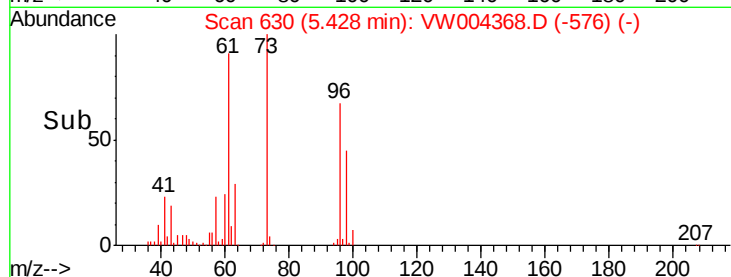
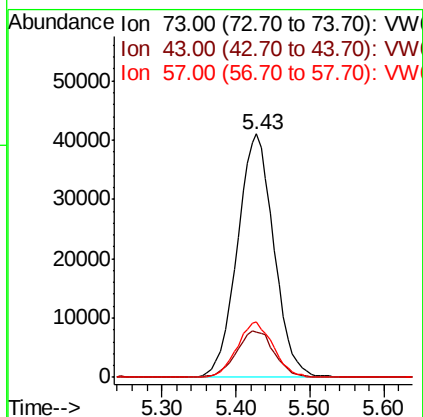
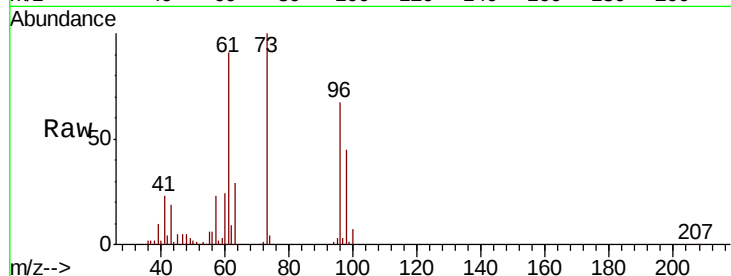




#17
Methvl tert-butvl Ether
Concen: 23.649 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

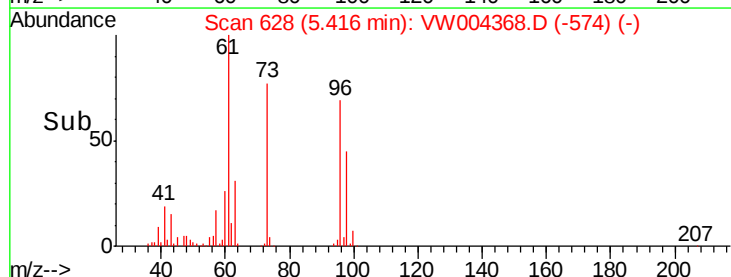
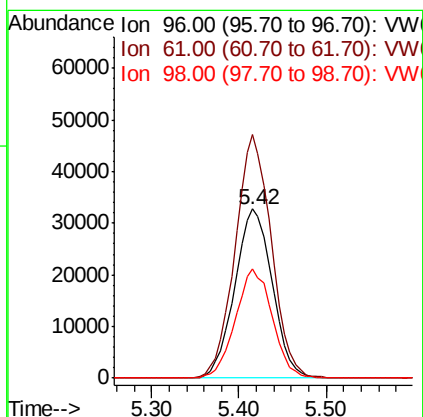
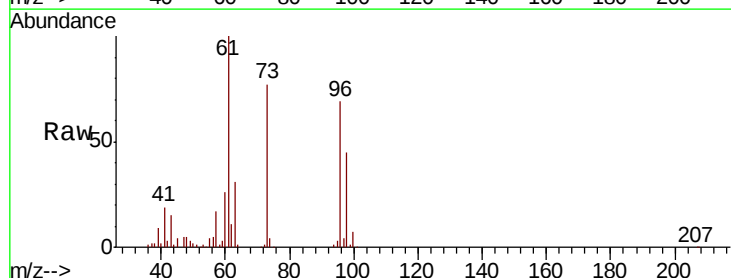
Instrument :
MSVOA_W
ClientSampled :

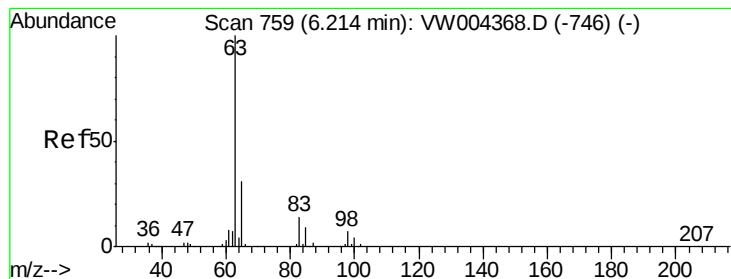
Tot Ion: 73 Resp: 140885
Ion Ratio Lower Upper
73 100
43 19.7 15.1 22.7
57 22.6 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 23.661 ug/L
RT: 5.42 min Scan# 628
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

Tgt Ion: 96 Resp: 97409
Ion Ratio Lower Upper
96 100
61 143.9 93.7 174.1
98 64.7 41.9 77.7





#19

1,1-Dichloroethane

Concen: 24.668 ug/L

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

ClientSampleId :

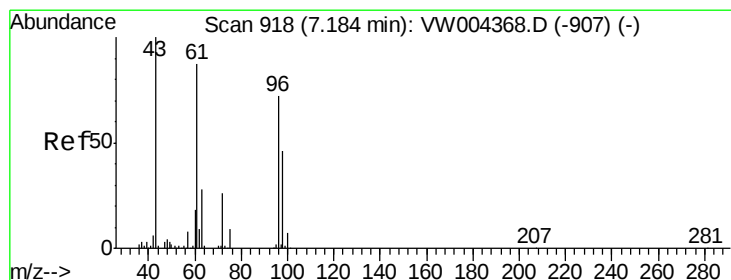
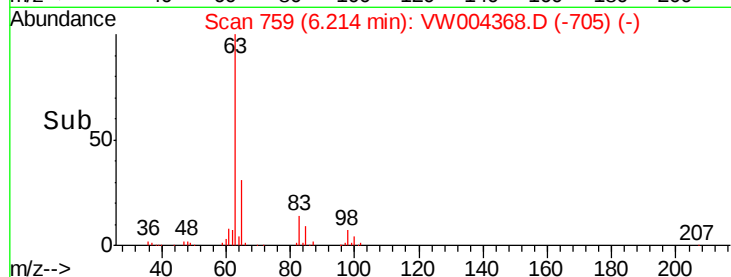
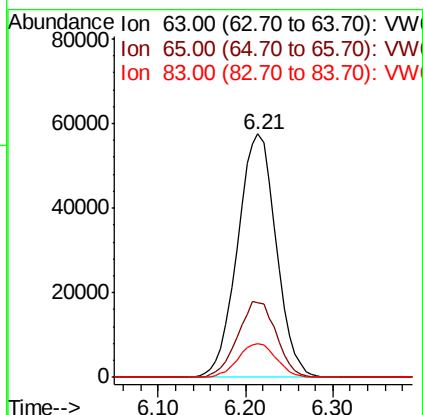
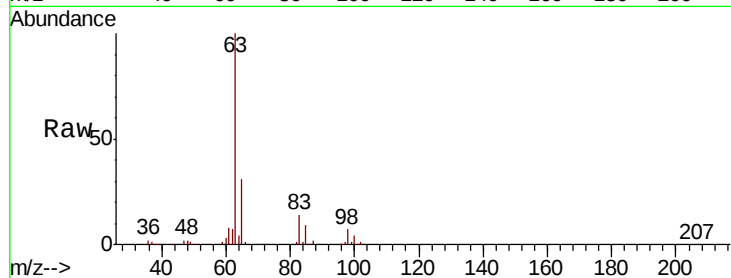
Tot Ion: 63 Resp: 176557

Ion Ratio Lower Upper

63 100

65 30.9 23.0 42.8

83 13.7 10.3 19.1



#21

2-Butanone

Concen: 57.710 ug/L

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW004368.D

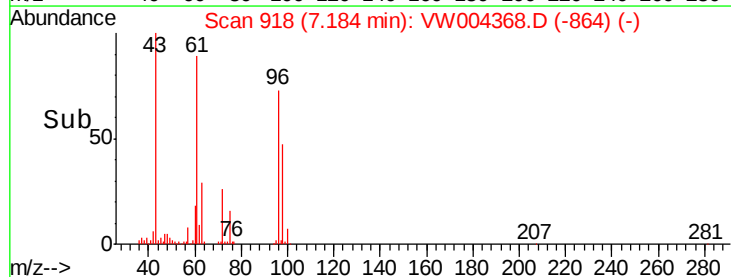
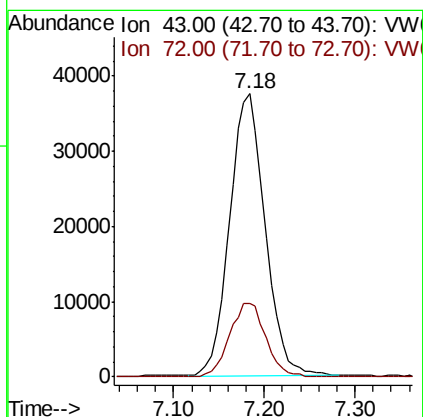
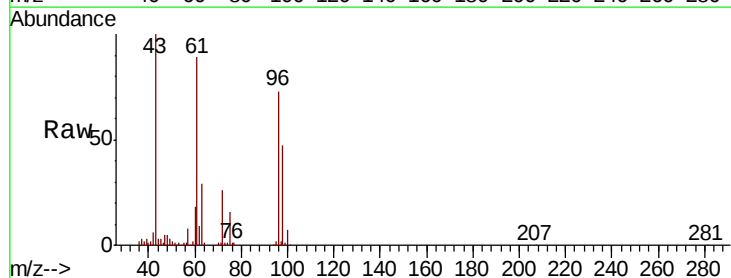
Acq: 01 Aug 2018 10:14

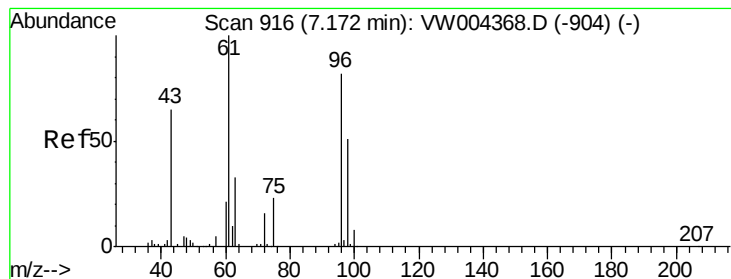
Tgt Ion: 43 Resp: 101562

Ion Ratio Lower Upper

43 100

72 26.7 14.4 43.2



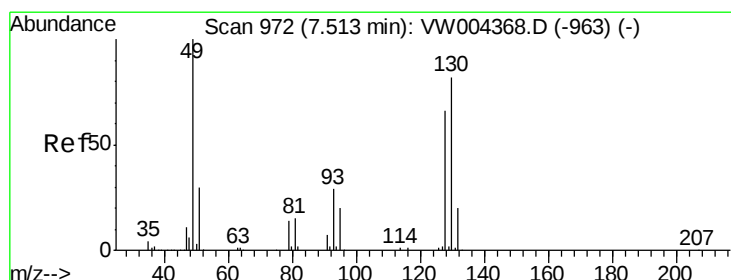
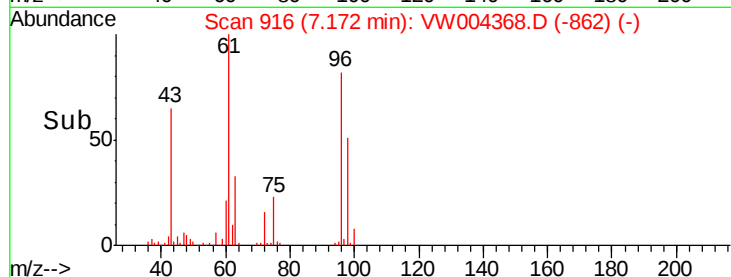
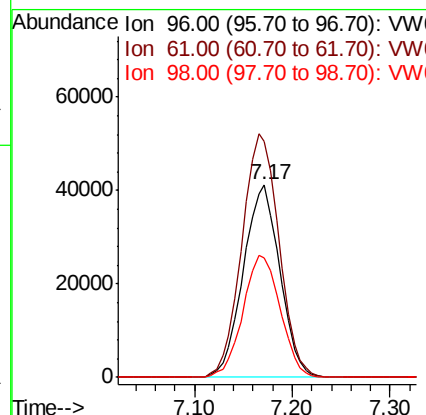
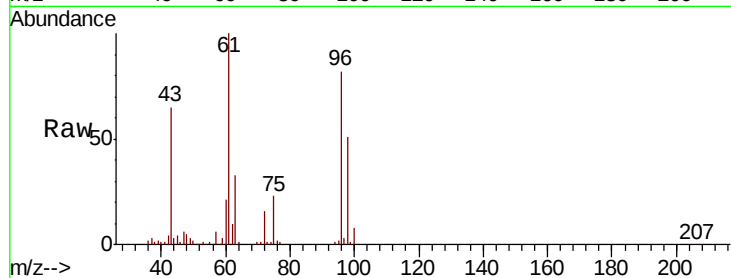


#22

cis-1,2-Dichloroethene
Concen: 23.599 ug/L
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

Instrument :
MSVOA_W
ClientSampleId :

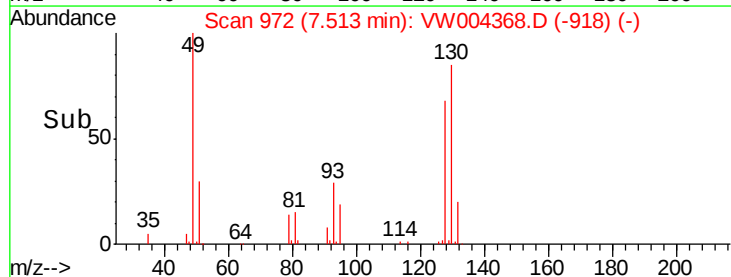
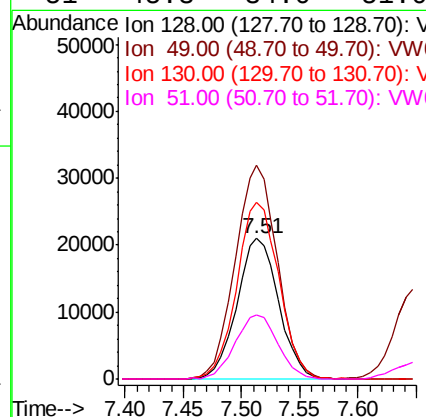
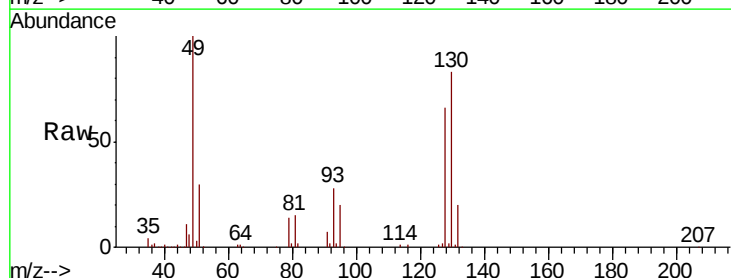
Tot Ion: 96 Resp: 107080
Ion Ratio Lower Upper
96 100
61 122.4 85.7 159.1
98 62.0 43.8 81.3

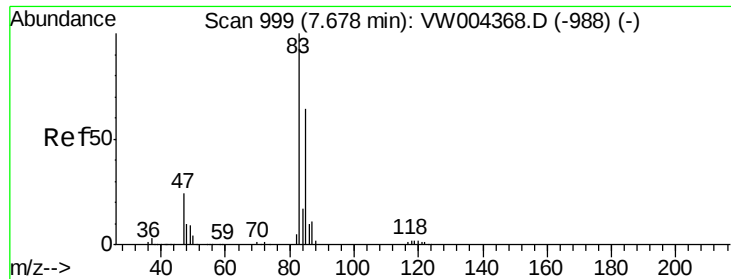


#23

Bromochloromethane
Concen: 24.473 ug/L
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

Tgt Ion: 128 Resp: 52156
Ion Ratio Lower Upper
128 100
49 152.1 90.9 168.7
130 125.5 93.8 174.2
51 45.3 34.0 51.0





#25

Chloroform

Concen: 24.258 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

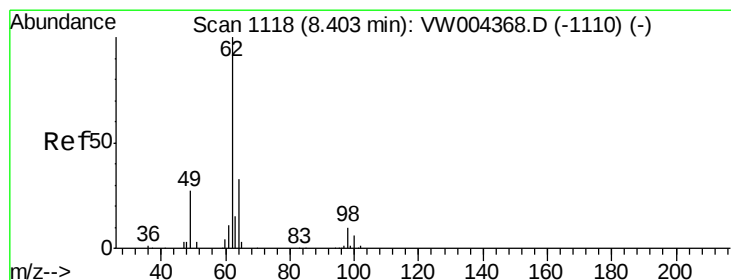
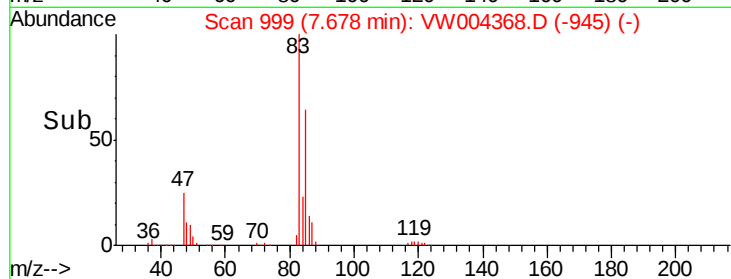
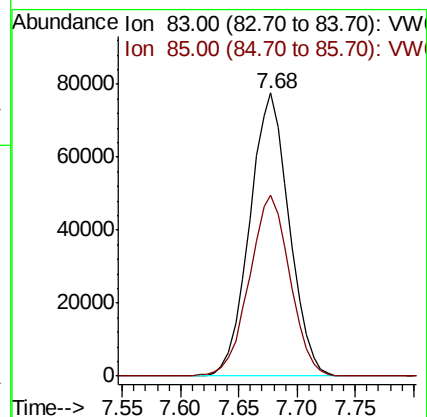
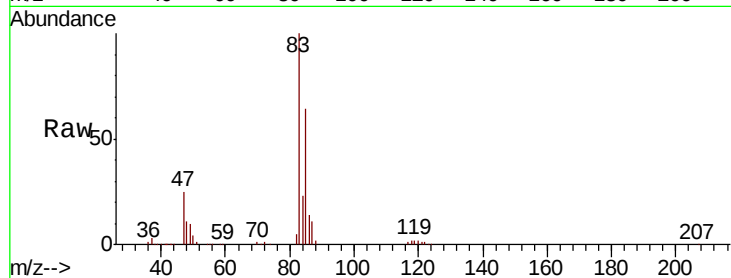
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 182667

Ion Ratio Lower Upper

83 100

85 66.0 46.2 85.8



#27

1,2-Dichloroethane

Concen: 24.884 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004368.D

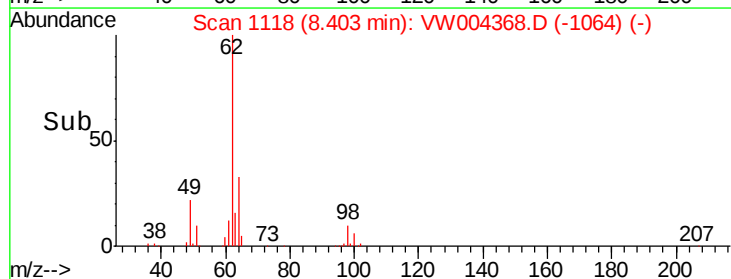
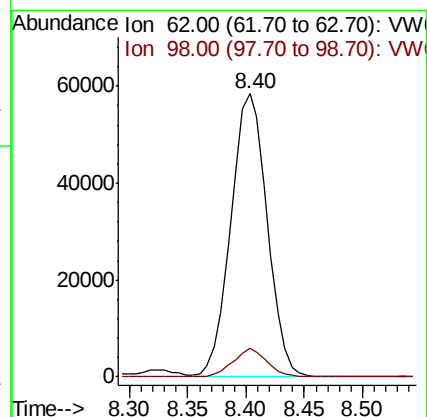
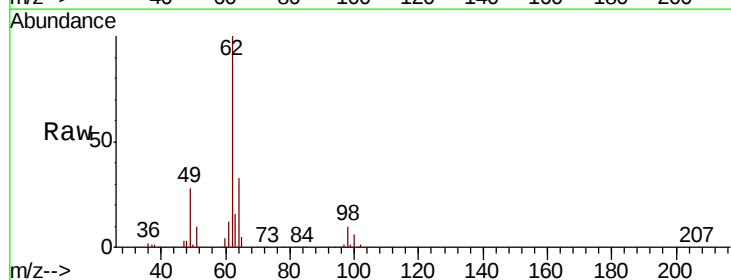
Acq: 01 Aug 2018 10:14

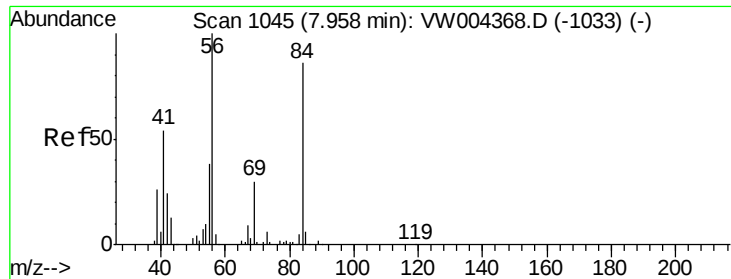
Tgt Ion: 62 Resp: 126568

Ion Ratio Lower Upper

62 100

98 10.1 7.8 11.8

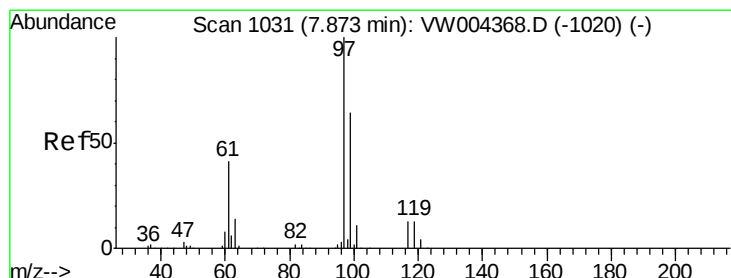
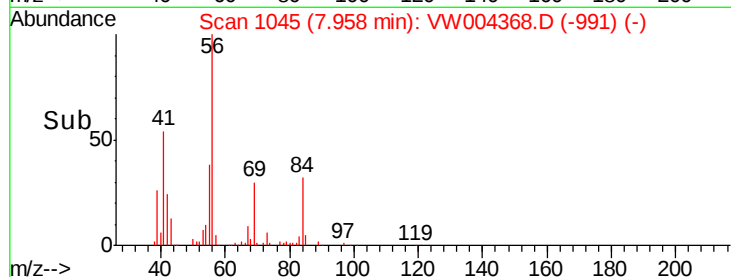
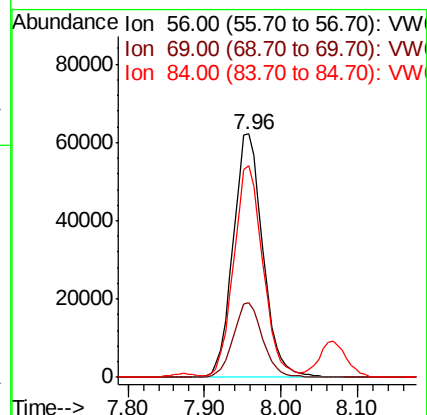
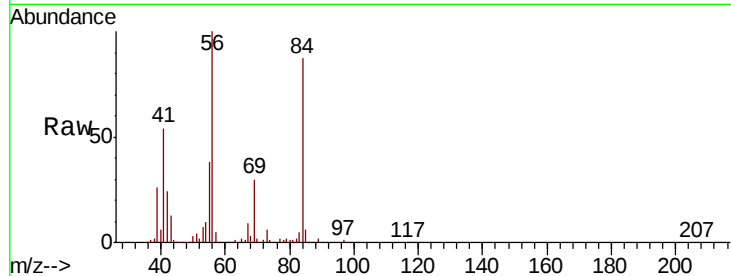




#30
Cyclohexane
Concen: 24.810 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

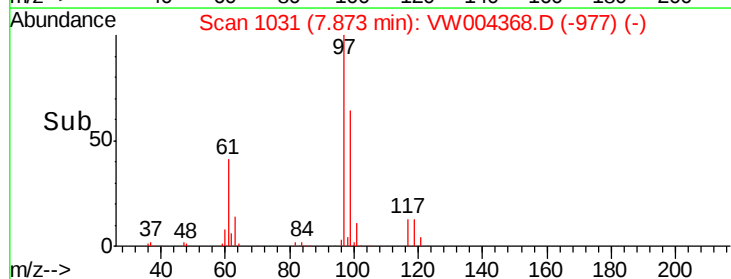
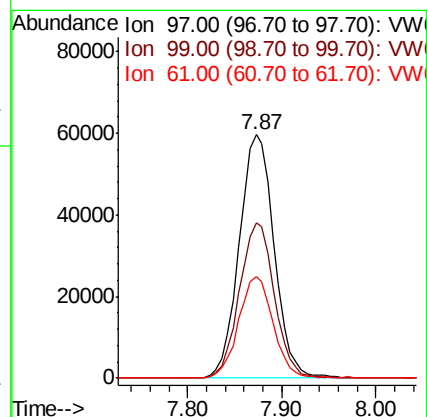
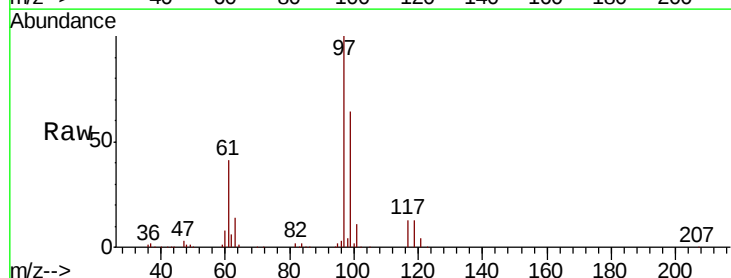
Instrument :
MSVOA_W
ClientSampled :

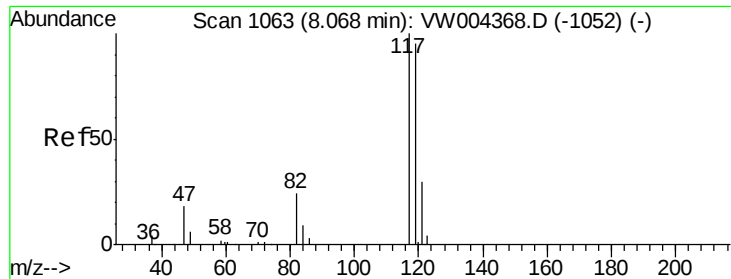
Tot Ion: 56 Resp: 167810
Ion Ratio Lower Upper
56 100
69 30.1 25.7 38.5
84 83.9 73.8 110.6



#31
1,1,1-Trichloroethane
Concen: 24.610 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

Tgt Ion: 97 Resp: 154447
Ion Ratio Lower Upper
97 100
99 63.8 51.4 77.0
61 41.2 32.2 48.2





#32

Carbon tetrachloride

Concen: 24.669 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

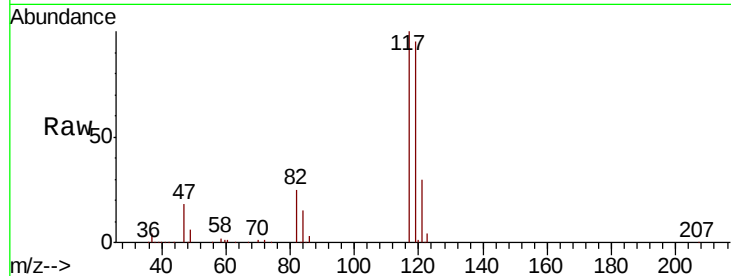
ClientSampleId :

Tot Ion:117 Resp: 150783

Ion Ratio Lower Upper

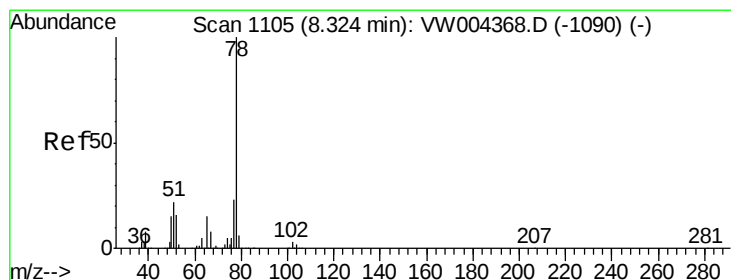
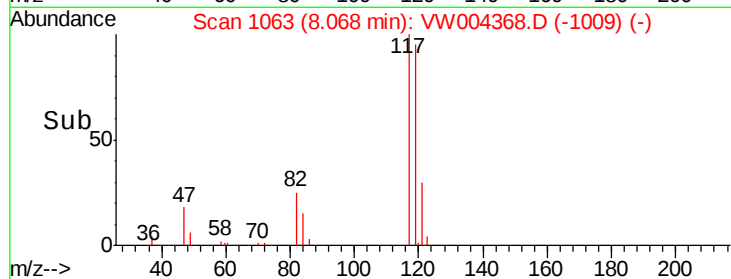
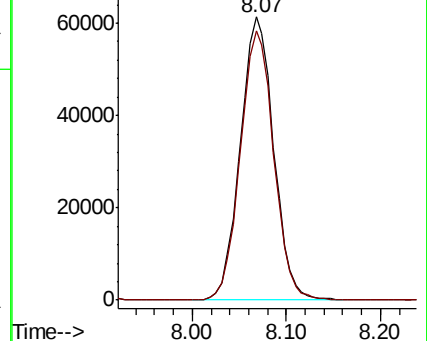
117 100

119 95.4 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.154 ug/L

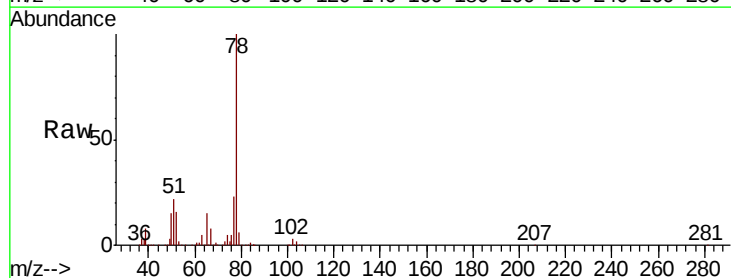
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

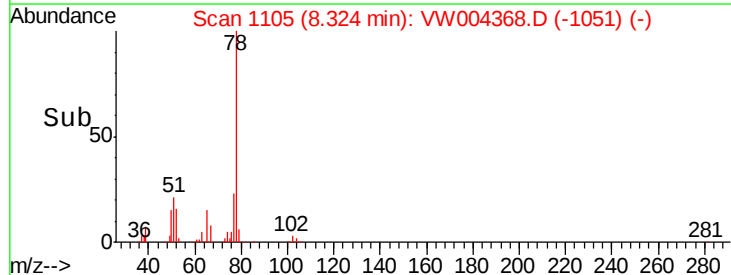
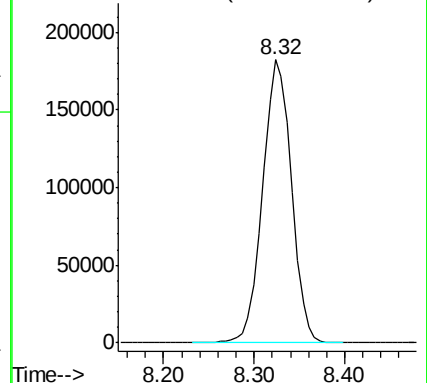
Lab File: VW004368.D

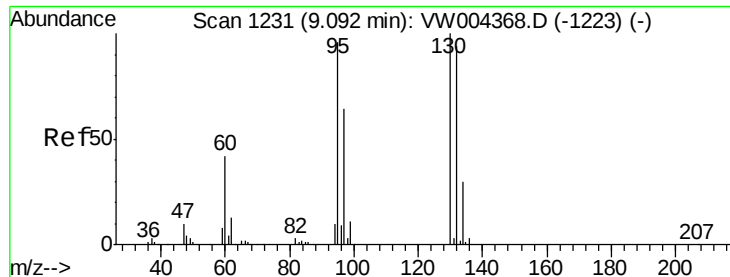
Acq: 01 Aug 2018 10:14

Tgt Ion: 78 Resp: 401022



Abundance Ion 78.00 (77.70 to 78.70): VW

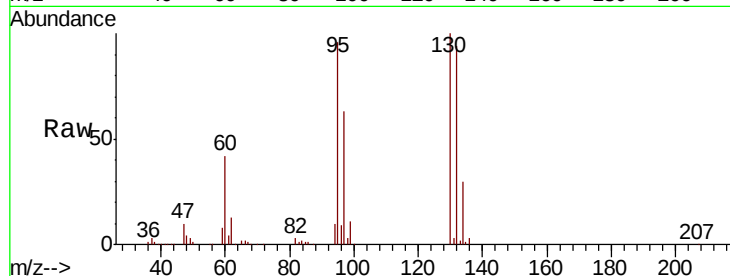




#35
 Trichloroethene
 Concen: 23.476 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW004368.D
 Acq: 01 Aug 2018 10:14

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	95	Resp	104334
Ion	Ratio	Lower	Upper
95	100		
97	65.3	45.6	84.6
132	100.0	71.2	132.2
130	103.7	73.9	137.3



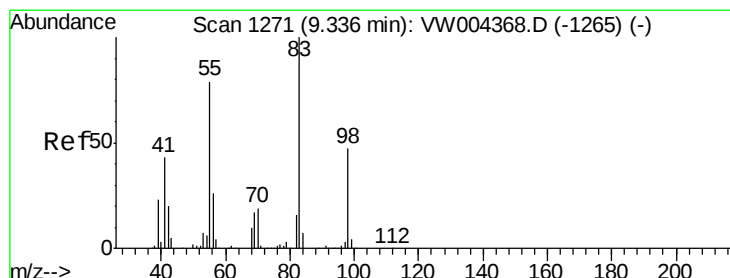
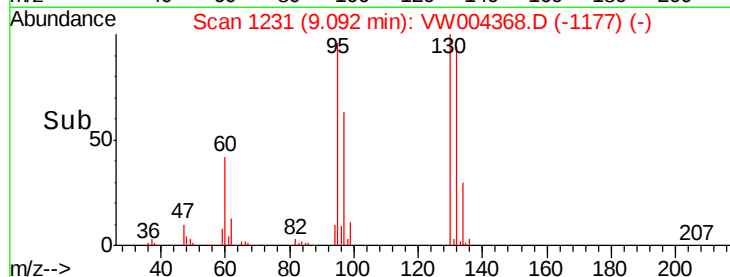
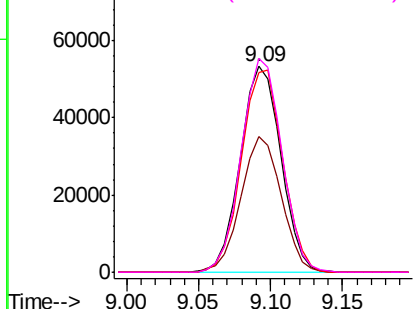
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

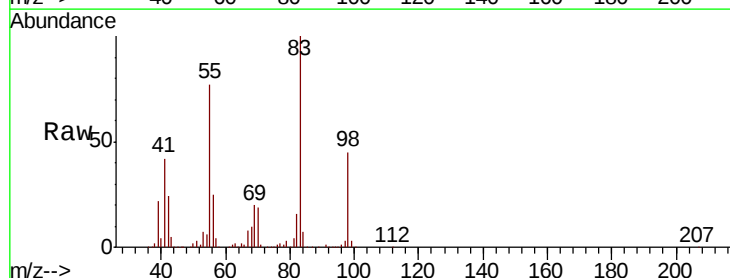
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 24.087 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW004368.D
 Acq: 01 Aug 2018 10:14

Tgt Ion	83	Resp	190948
Ion	Ratio	Lower	Upper
83	100		
55	76.8	58.2	87.2
98	46.6	37.7	56.5

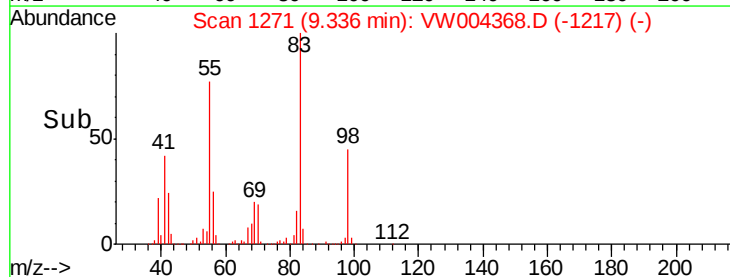
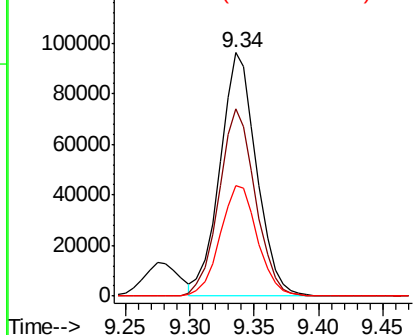


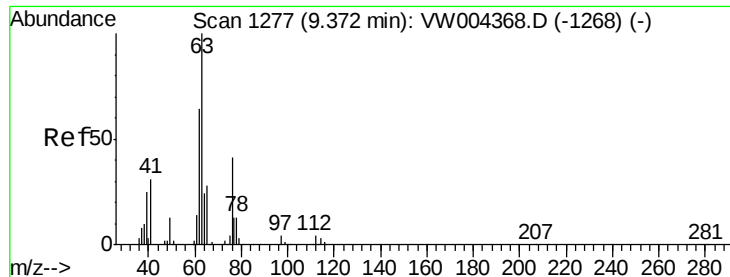
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

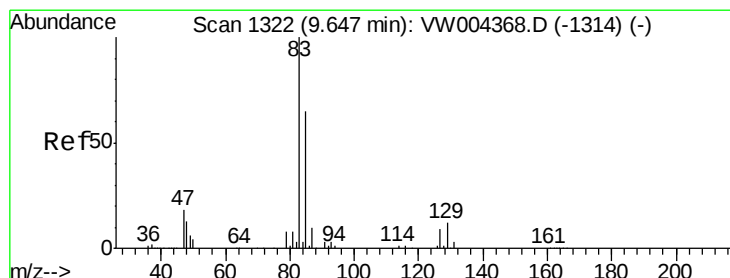
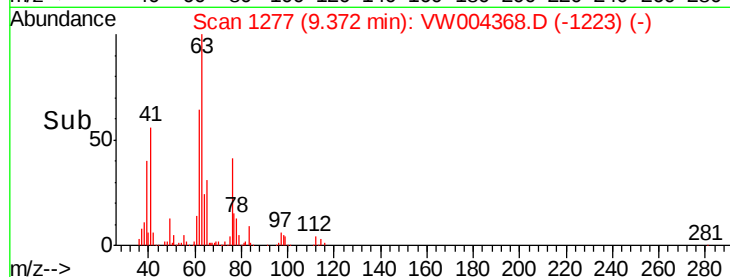
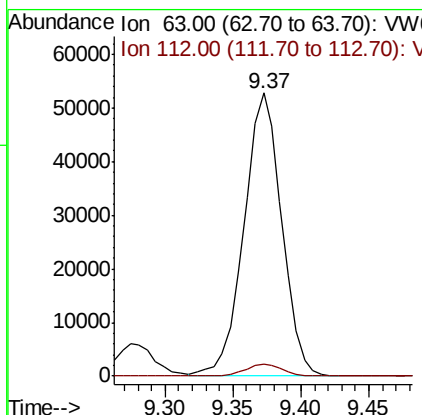
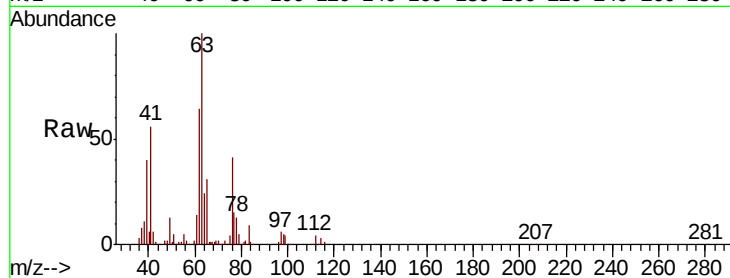




#40
 1,2-Dichloropropane
 Concen: 24.655 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004368.D
 Acq: 01 Aug 2018 10:14

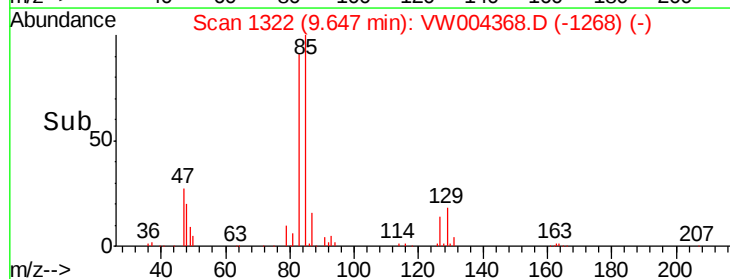
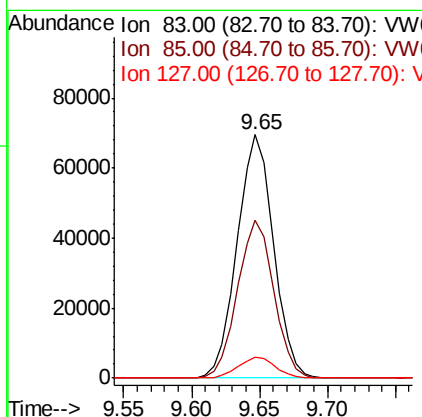
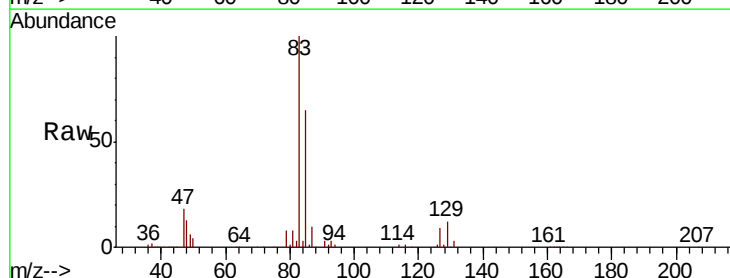
Instrument :
 MSVOA_W
 ClientSampleId :

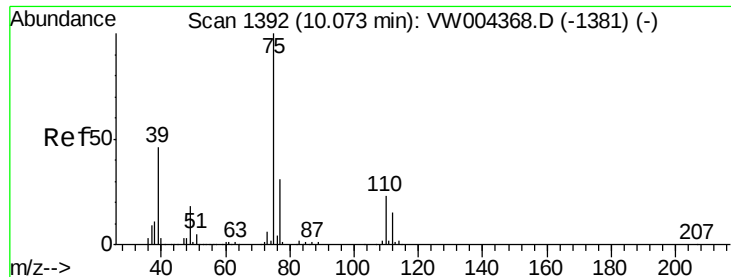
Tot Ion: 63 Resp: 102684
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#41
 Bromodichloromethane
 Concen: 24.111 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW004368.D
 Acq: 01 Aug 2018 10:14

Tgt Ion: 83 Resp: 129921
 Ion Ratio Lower Upper
 83 100
 85 64.9 44.9 83.3
 127 8.7 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 24.133 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

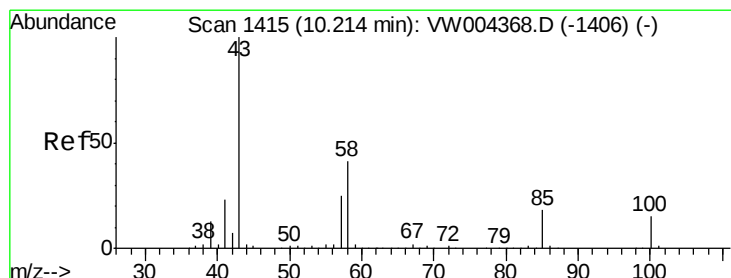
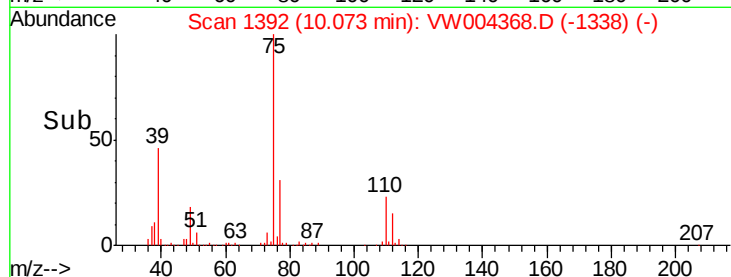
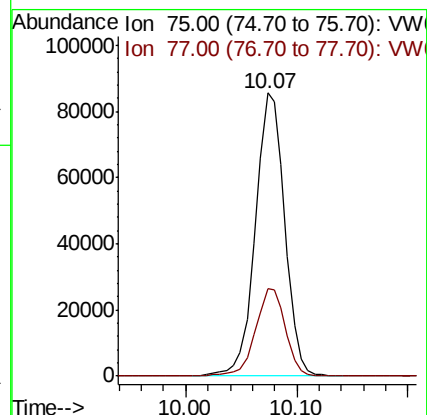
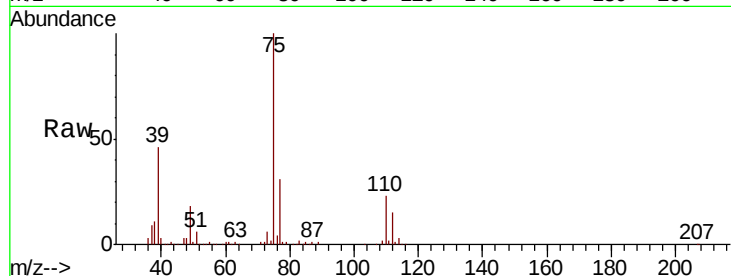
ClientSampleId :

Tot Ion: 75 Resp: 157655

Ion Ratio Lower Upper

75 100

77 31.1 22.0 41.0



#43

4-Methyl-2-pentanone

Concen: 57.395 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

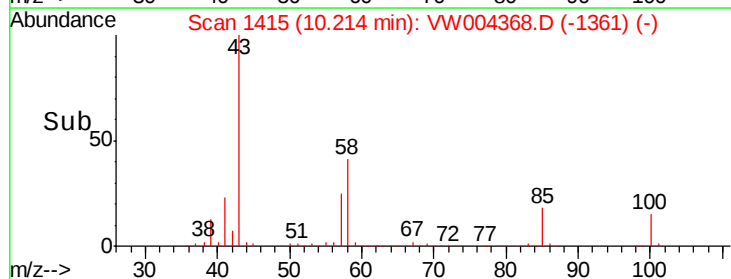
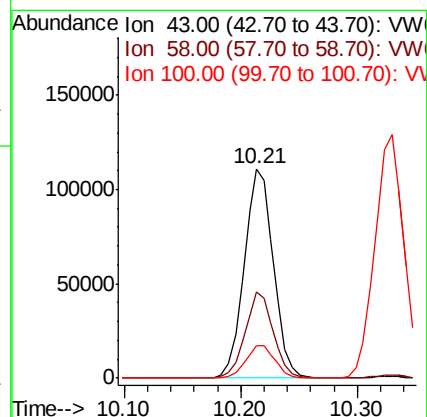
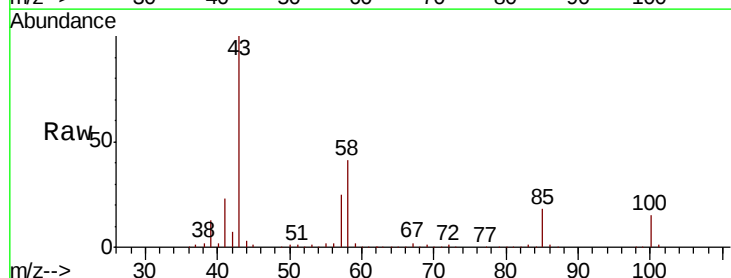
Tgt Ion: 43 Resp: 193519

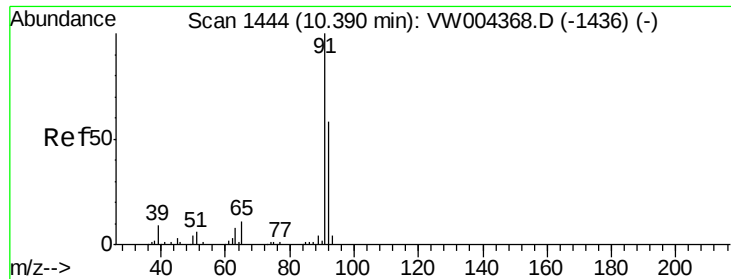
Ion Ratio Lower Upper

43 100

58 39.5 32.3 48.5

100 15.5 13.9 20.9





#44

Toluene

Concen: 24.101 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

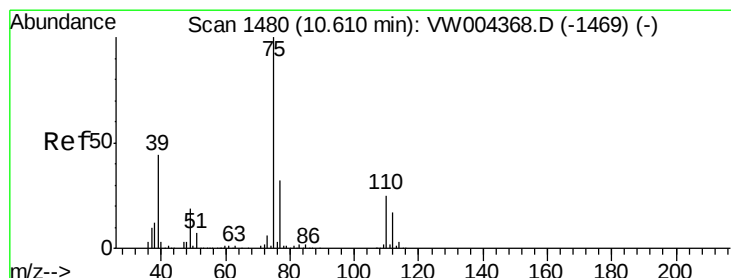
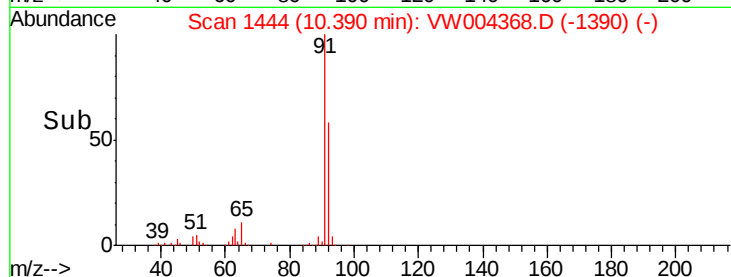
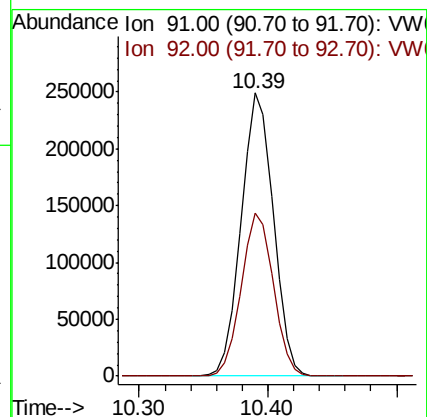
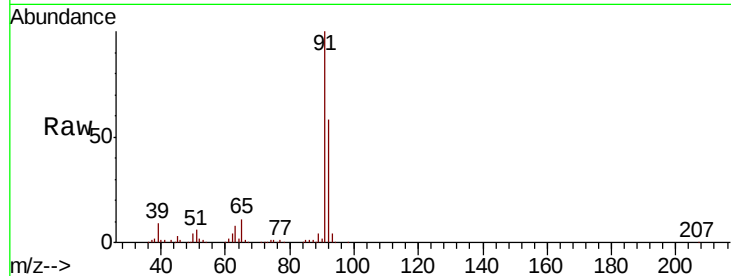
ClientSampled :

Tot Ion: 91 Resp: 430304

Ion Ratio Lower Upper

91 100

92 57.6 40.9 75.9



#45

trans-1,3-Dichloropropene

Concen: 24.986 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004368.D

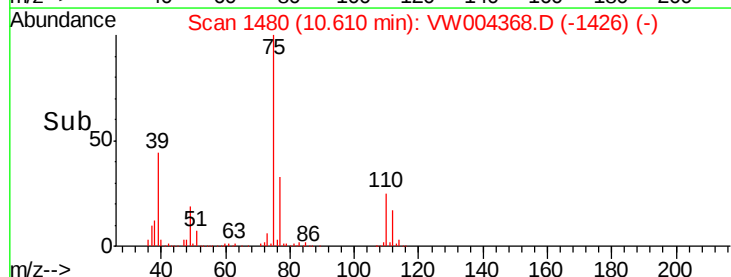
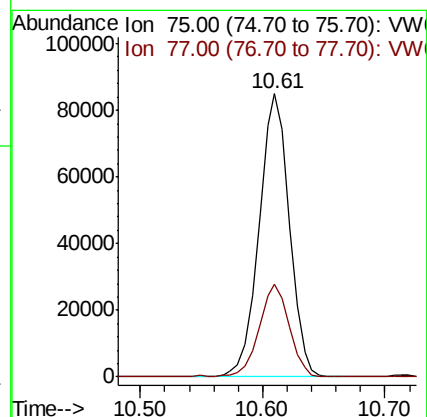
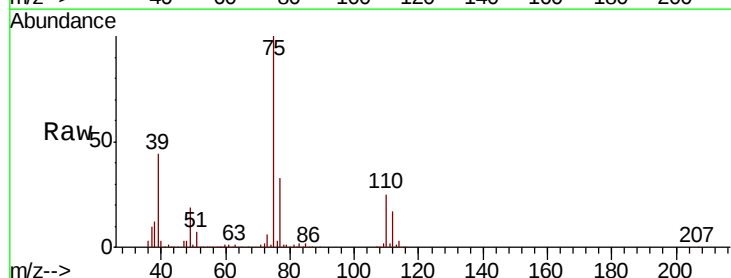
Acq: 01 Aug 2018 10:14

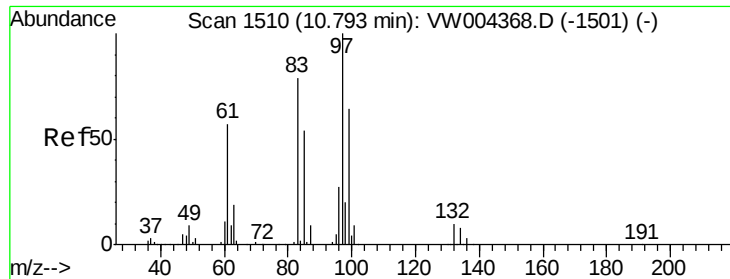
Tgt Ion: 75 Resp: 146543

Ion Ratio Lower Upper

75 100

77 32.7 23.9 44.5

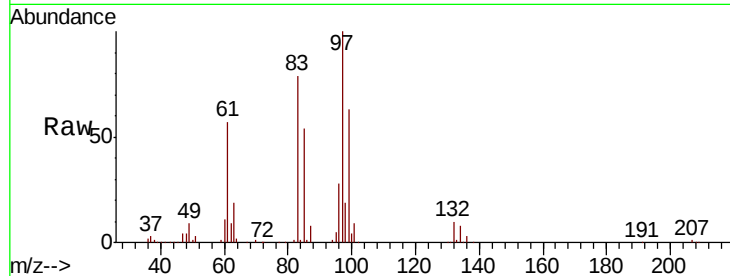




#46
 1,1,2-Trichloroethane
 Concen: 24.861 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004368.D
 Acq: 01 Aug 2018 10:14

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	85385
Ion	Ratio	Lower	Upper
97	100		
83	78.9	59.4	110.2
85	53.9	39.0	72.4
99	63.4	46.0	85.4



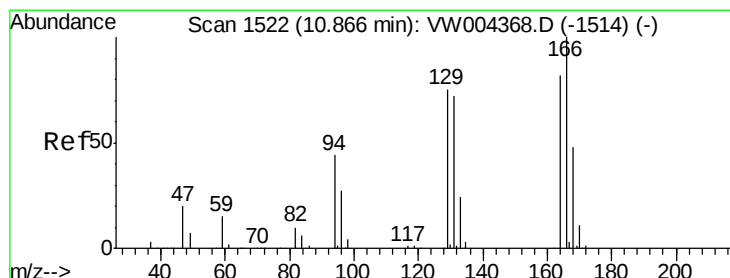
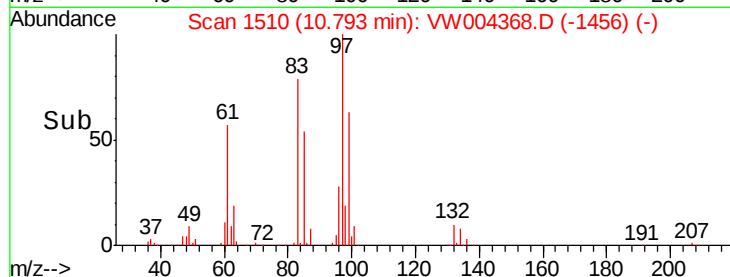
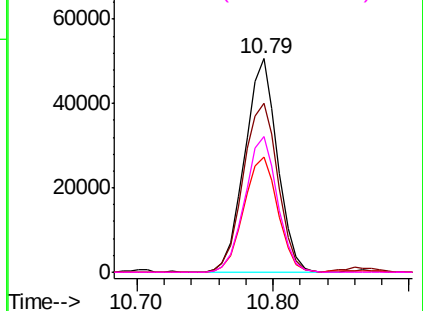
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

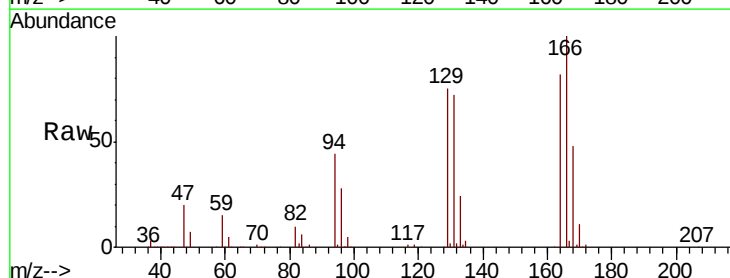
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 24.048 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004368.D
 Acq: 01 Aug 2018 10:14

Tgt Ion:	164	Resp:	91771
Ion	Ratio	Lower	Upper
164	100		
129	91.9	63.7	118.3
131	87.8	61.6	114.4
166	122.5	87.9	163.3



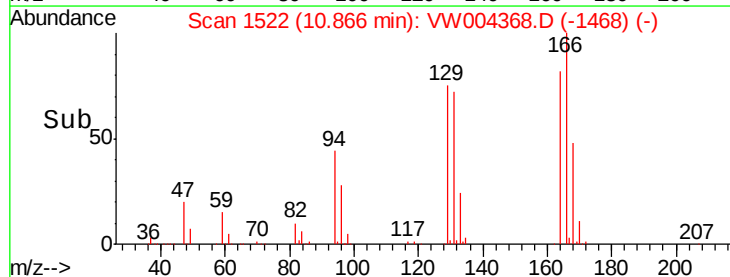
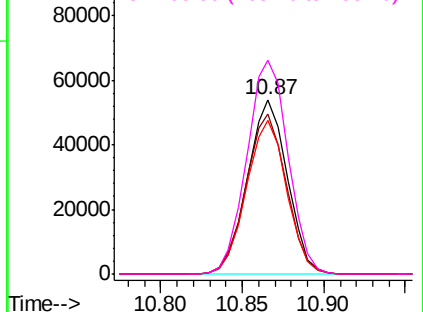
Abundance

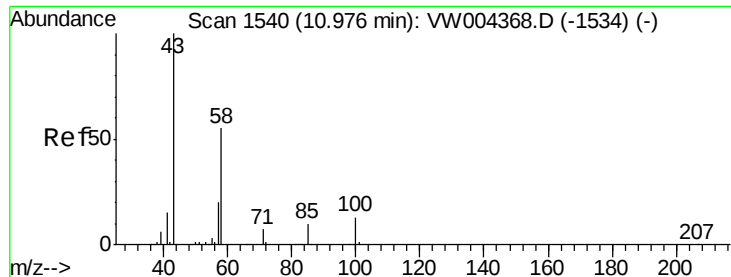
Ion 164.00 (163.70 to 164.70): V

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

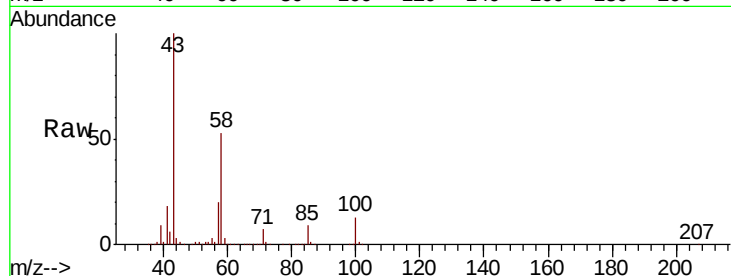




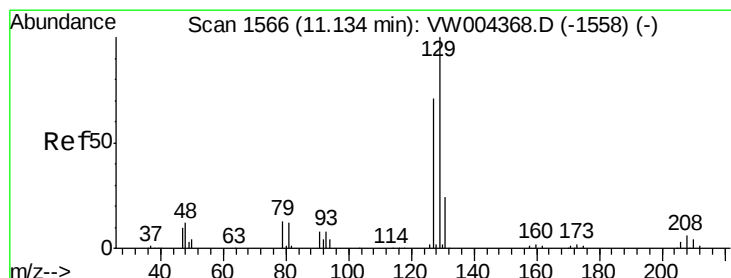
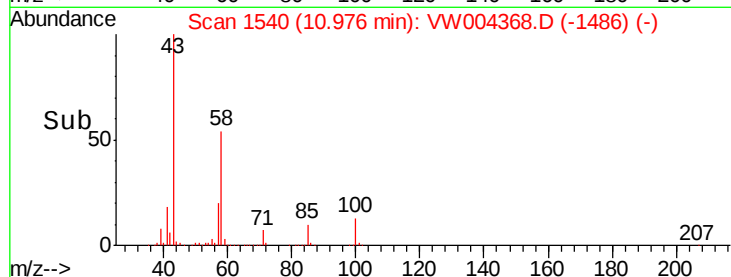
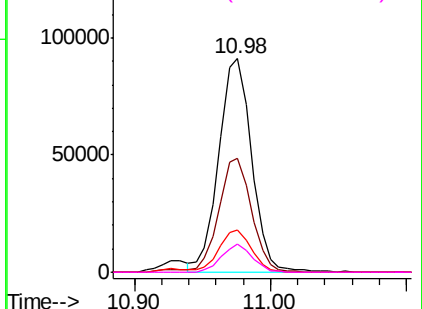
#49
2-Hexanone
Concen: 61.412 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 153894
Ion Ratio Lower Upper
43 100
58 52.6 44.0 66.0
57 19.4 16.0 24.0
100 12.1 10.7 16.1

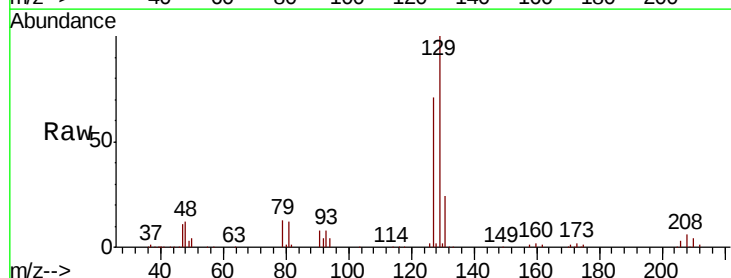


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

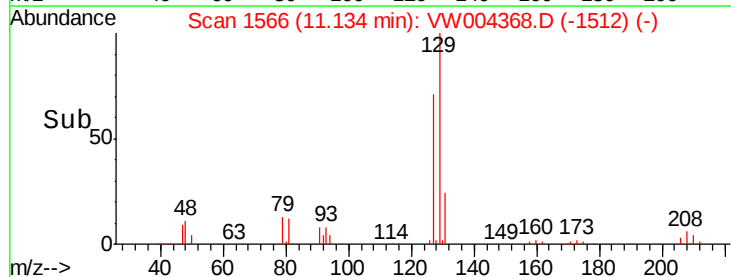
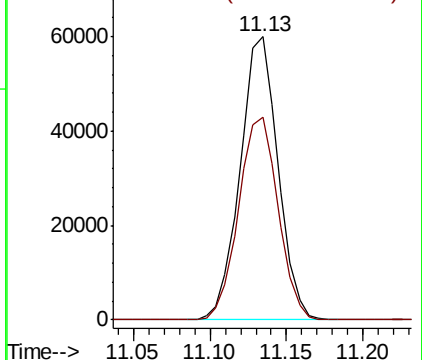


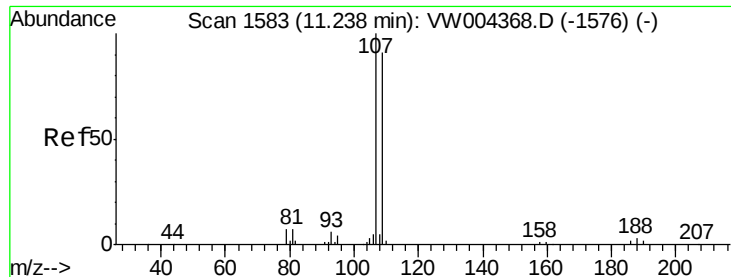
#50
Dibromochloromethane
Concen: 24.647 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

Tgt Ion: 129 Resp: 103121
Ion Ratio Lower Upper
129 100
127 71.5 55.6 103.2



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 25.669 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

ClientSampleId :

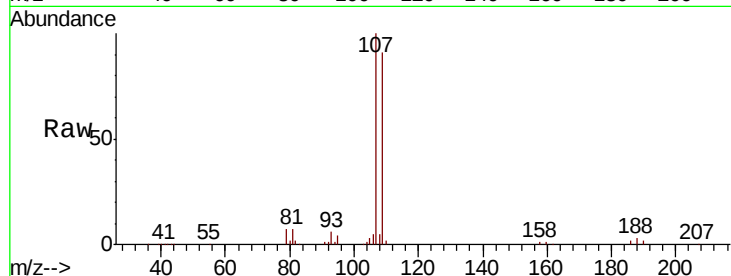
Tot Ion:107 Resp: 87374

Ion Ratio Lower Upper

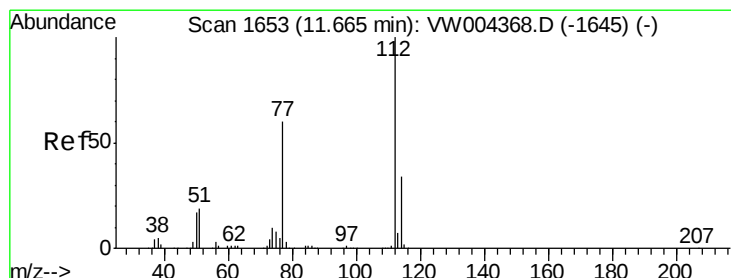
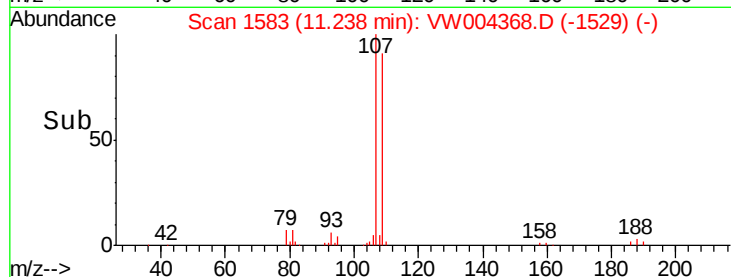
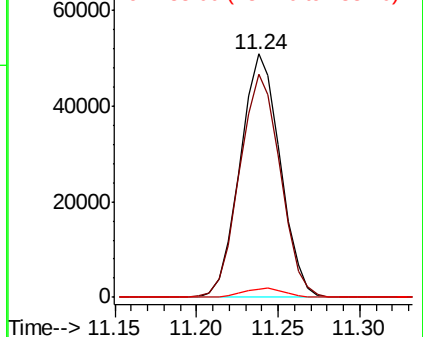
107 100

109 91.4 65.1 120.9

188 3.4 3.2 4.8



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: 22.883 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

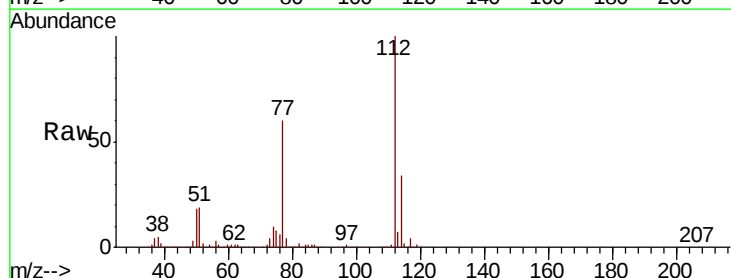
Tgt Ion:112 Resp: 271953

Ion Ratio Lower Upper

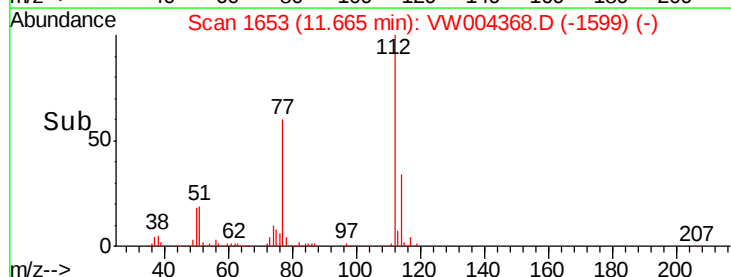
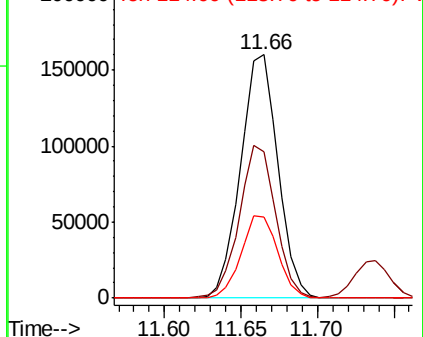
112 100

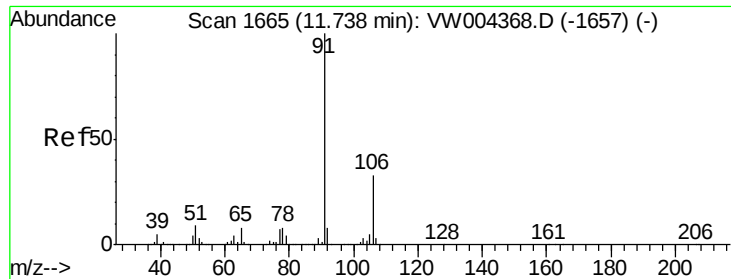
77 60.2 42.9 64.3

114 33.6 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: 23.095 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

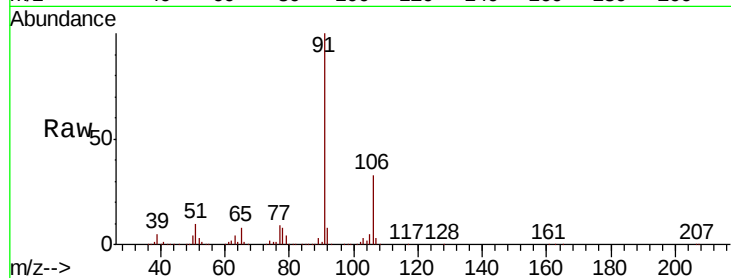
ClientSampleId :

Tot Ion: 91 Resp: 466474

Ion Ratio Lower Upper

91 100

106 33.0 20.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.74

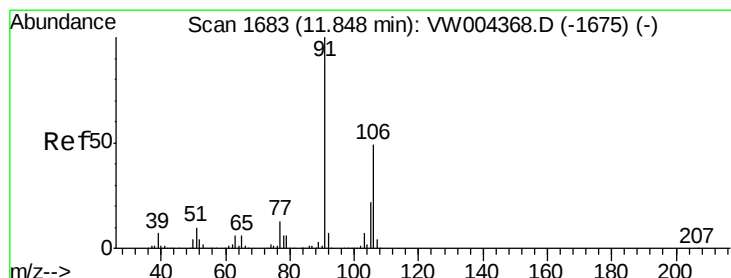
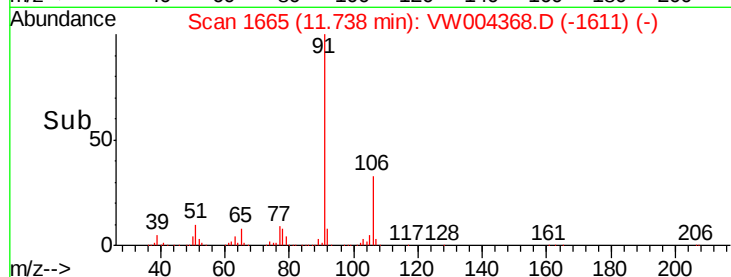
300000

200000

100000

0

Time--> 11.65 11.70 11.75 11.80



#54

m,p-Xylene

Concen: 23.932 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004368.D

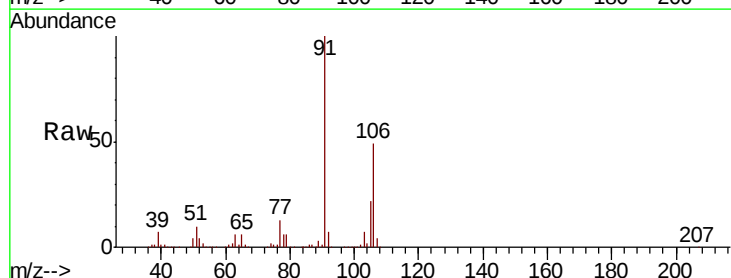
Acq: 01 Aug 2018 10:14

Tgt Ion: 106 Resp: 182847

Ion Ratio Lower Upper

106 100

91 202.8 139.2 258.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

11.85

250000

200000

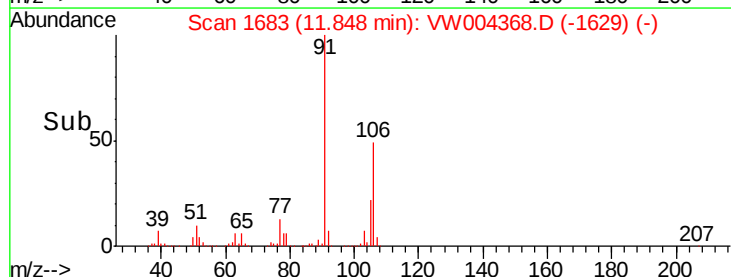
150000

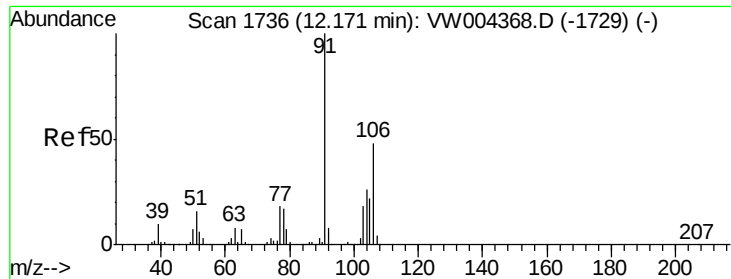
100000

50000

0

Time--> 11.75 11.80 11.85 11.90

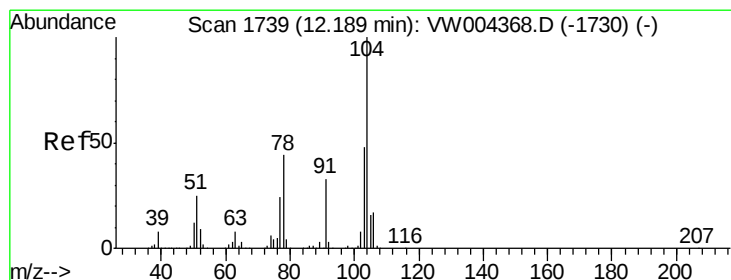
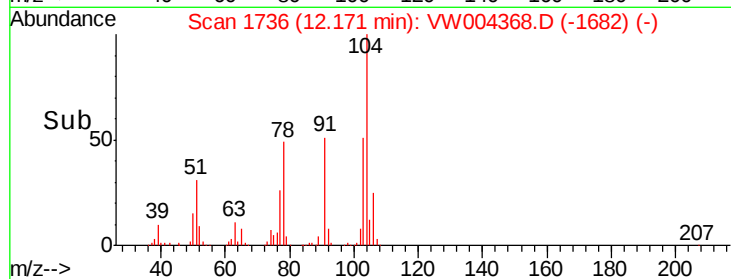
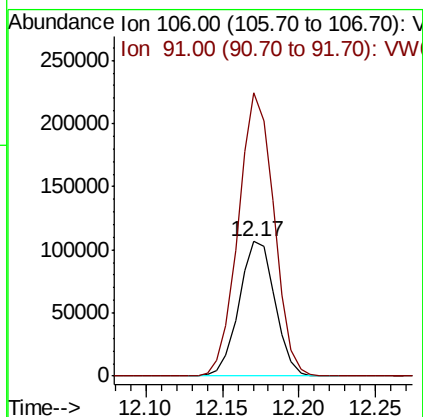
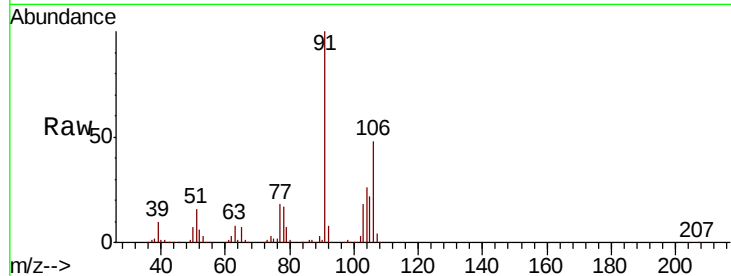




#55
o-xylene
Concen: 24.032 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

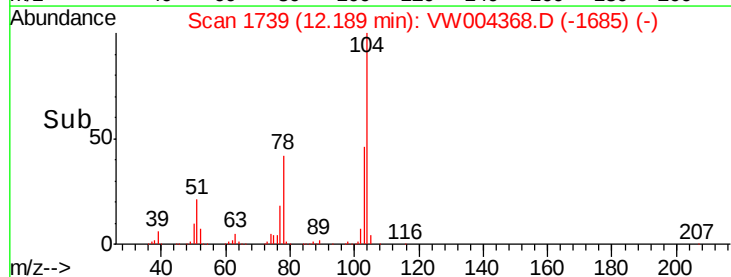
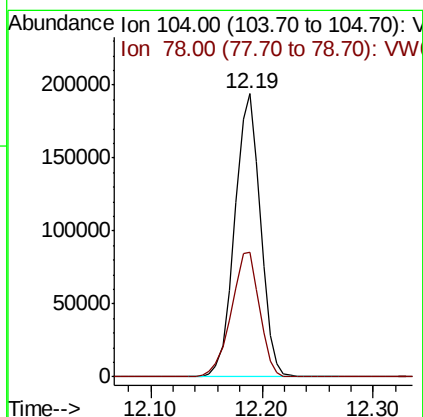
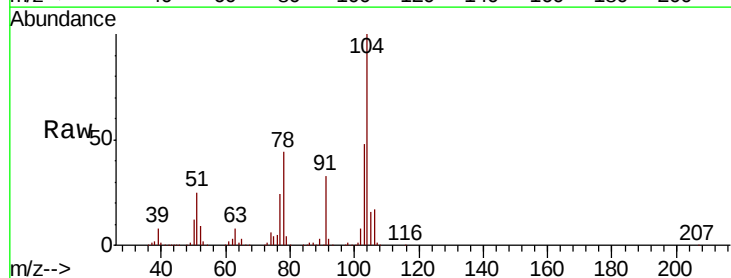
Instrument :
MSVOA_W
ClientSampled :

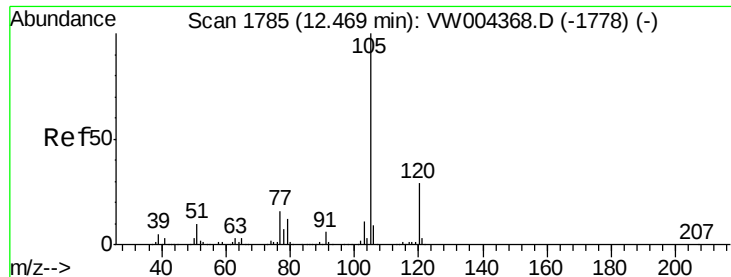
Tot Ion:106 Resp: 173424
Ion Ratio Lower Upper
106 100
91 210.2 143.4 266.4



#56
Styrene
Concen: 24.776 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004368.D
Acq: 01 Aug 2018 10:14

Tgt Ion:104 Resp: 309497
Ion Ratio Lower Upper
104 100
78 44.1 31.7 58.9





#57

Isopropylbenzene

Concen: 23.861 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

ClientSampleId :

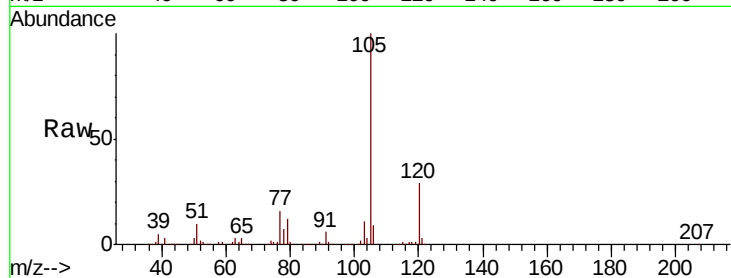
Tot Ion:105 Resp: 482770

Ion Ratio Lower Upper

105 100

120 27.7 21.8 32.8

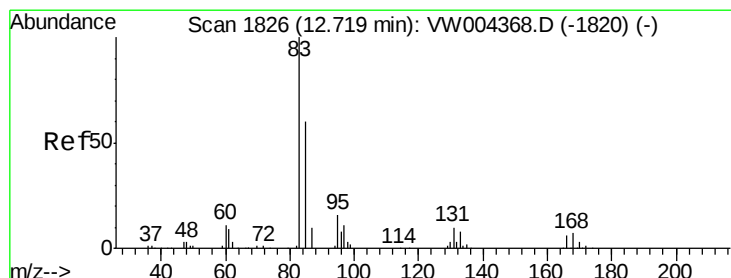
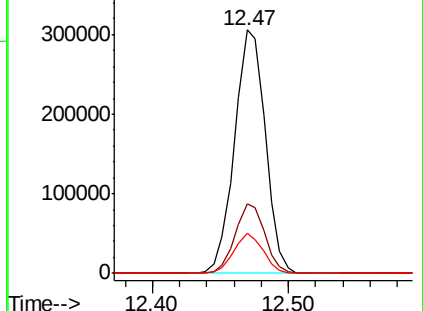
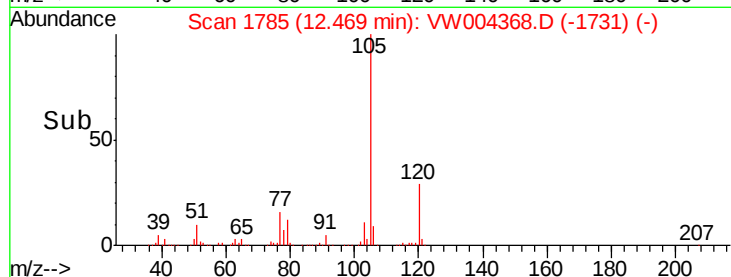
77 15.5 11.8 17.8



Abundance Ion 105.00 (104.70 to 105.70): VW

Ion 120.00 (119.70 to 120.70): VW

Ion 77.00 (76.70 to 77.70): VW



#58

1,1,2,2-Tetrachloroethane

Concen: 26.580 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

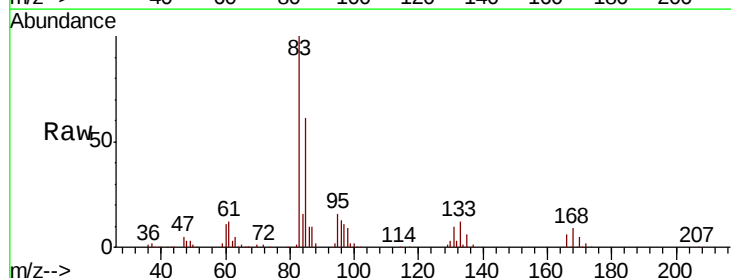
Tgt Ion: 83 Resp: 125331

Ion Ratio Lower Upper

83 100

85 60.8 44.3 82.3

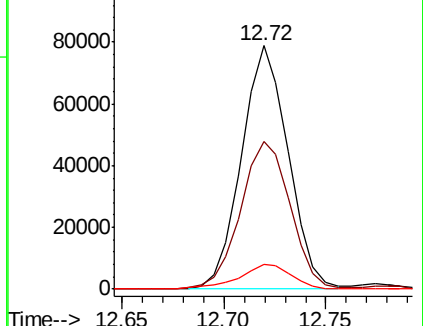
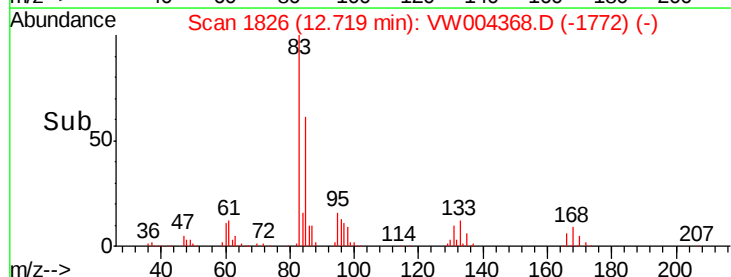
131 10.2 9.1 13.7

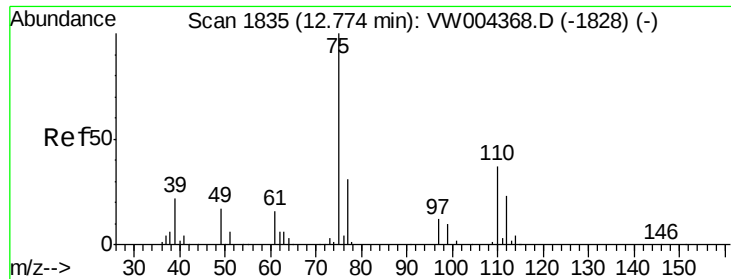


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW





#59

1,2,3-Trichloropropane

Concen: 27.294 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

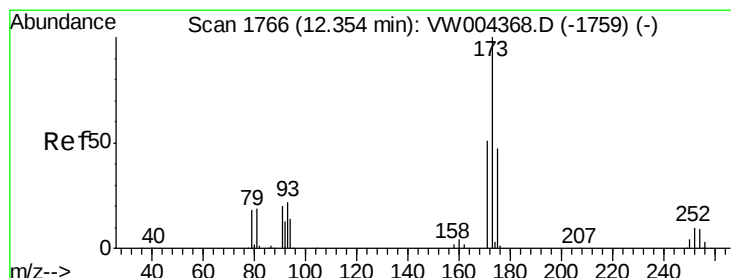
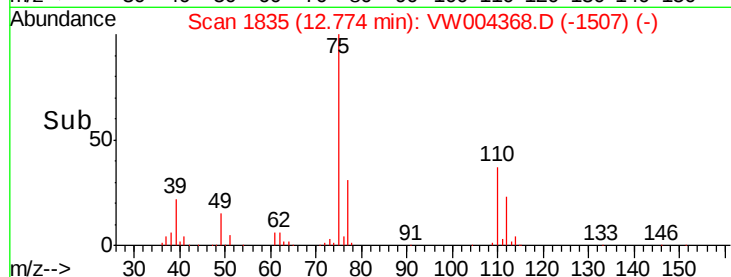
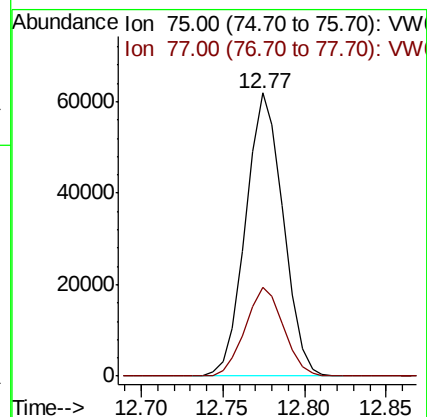
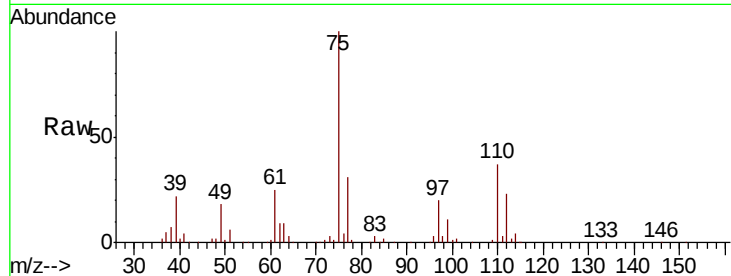
ClientSampleId :

Tot Ion: 75 Resp: 99090

Ion Ratio Lower Upper

75 100

77 31.9 26.6 40.0



#62

Bromoform

Concen: 24.355 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

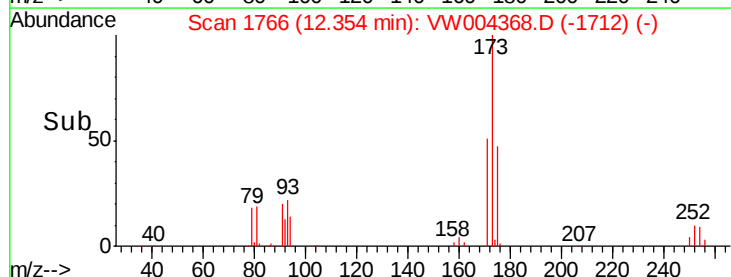
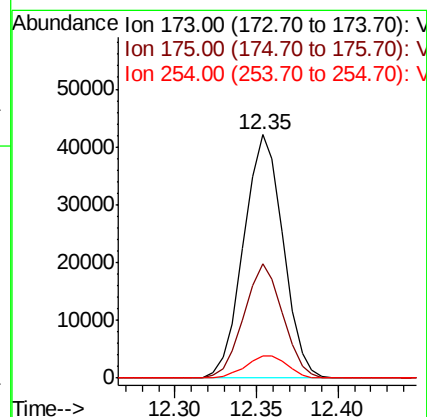
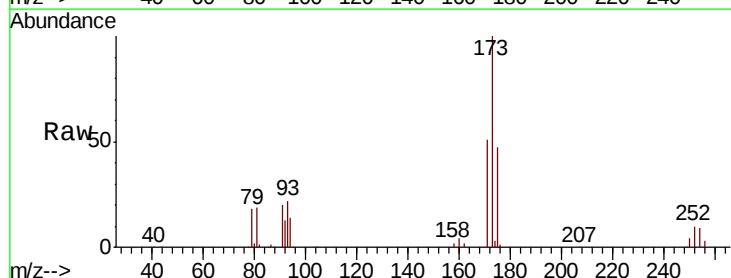
Tgt Ion: 173 Resp: 71134

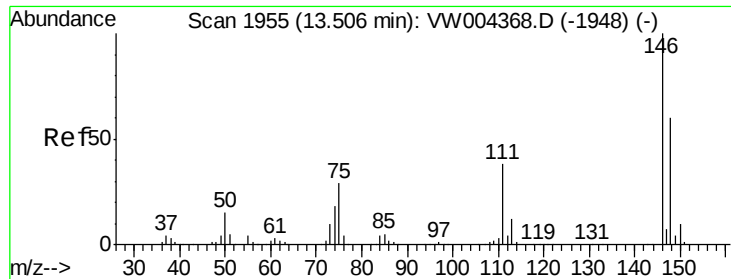
Ion Ratio Lower Upper

173 100

175 46.4 39.8 59.8

254 9.8 8.6 12.8





#63

1,3-Dichlorobenzene

Concen: 22.806 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

ClientSampleId :

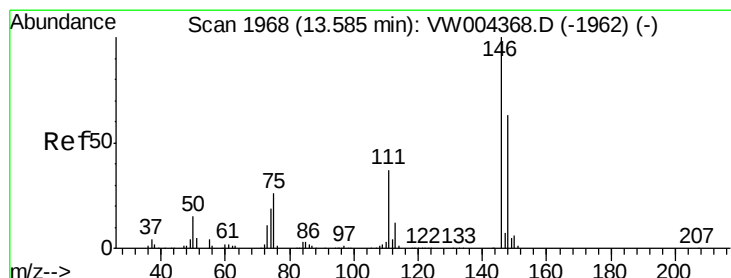
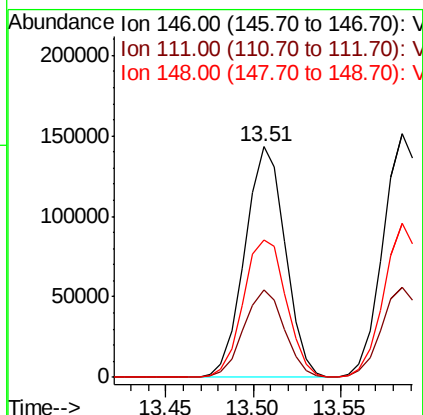
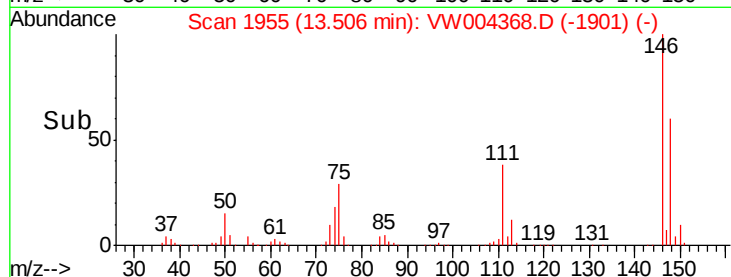
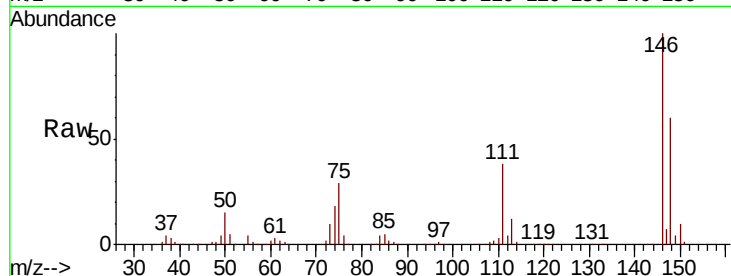
Tot Ion:146 Resp: 230320

Ion Ratio Lower Upper

146 100

111 37.9 28.6 53.2

148 59.7 47.7 88.5



#64

1,4-Dichlorobenzene

Concen: 23.185 ug/L

RT: 13.59 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

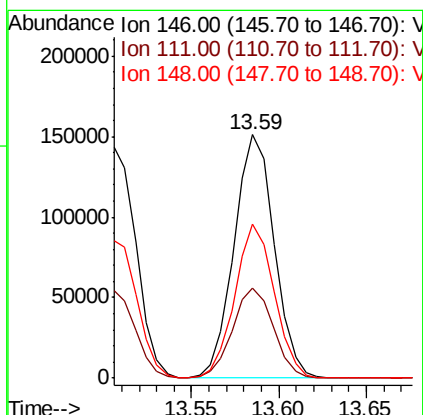
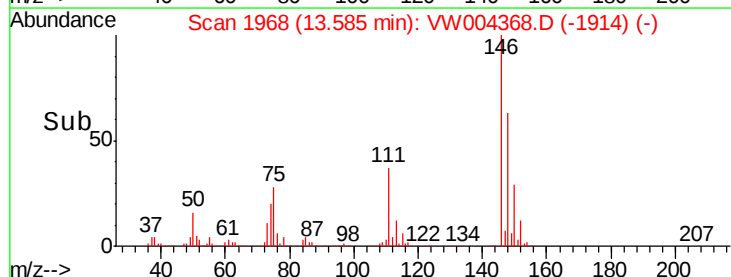
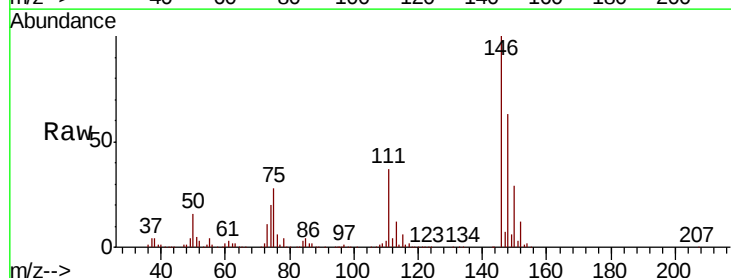
Tgt Ion:146 Resp: 240903

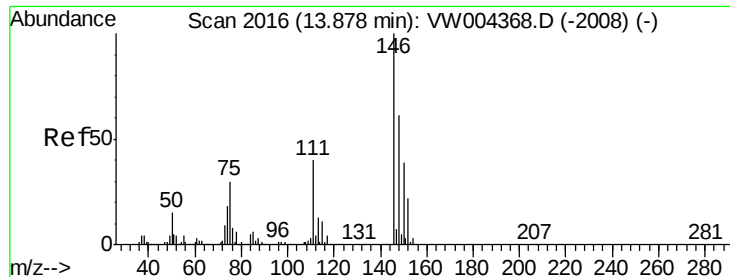
Ion Ratio Lower Upper

146 100

111 37.2 25.4 47.2

148 63.5 42.8 79.6





#65

1,2-Dichlorobenzene

Concen: 23.428 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

ClientSampleId :

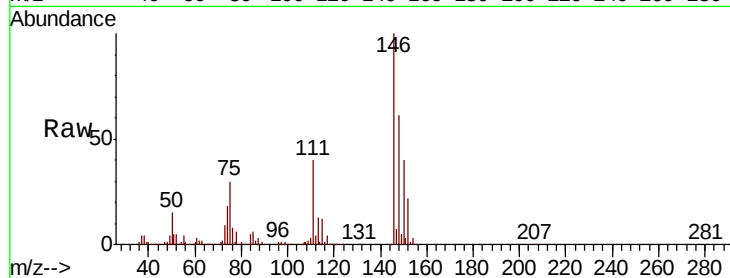
Tot Ion:146 Resp: 223682

Ion Ratio Lower Upper

146 100

111 39.5 30.2 45.4

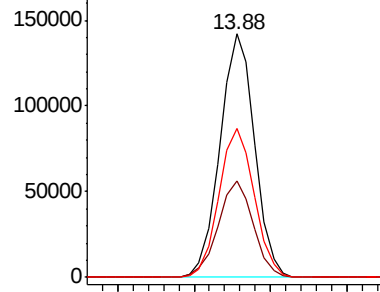
148 61.4 51.0 76.4



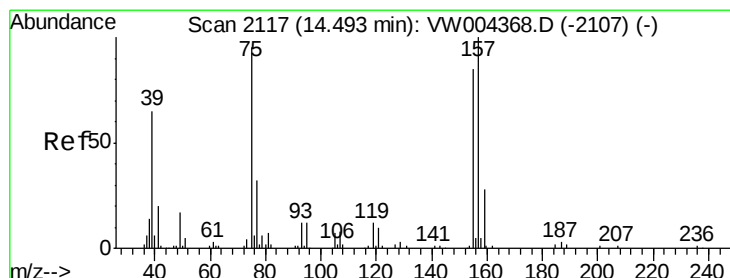
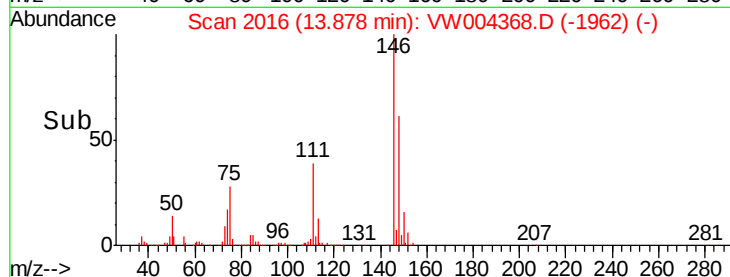
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#66

1,2-Dibromo-3-chloropropane

Concen: 26.385 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

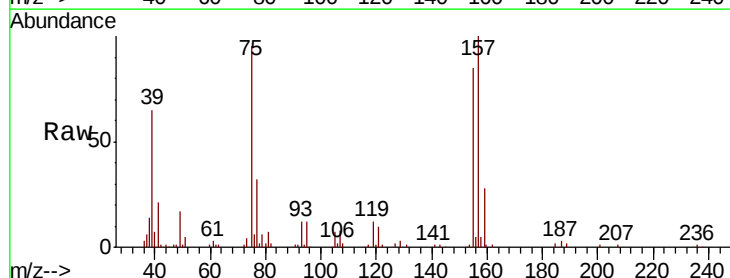
Tgt Ion: 75 Resp: 24822

Ion Ratio Lower Upper

75 100

157 104.9 88.6 132.8

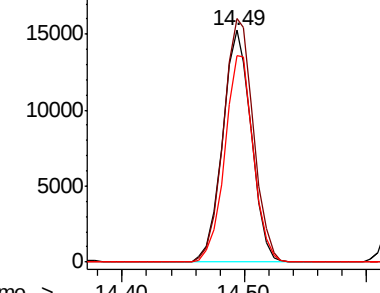
155 89.1 71.8 107.6



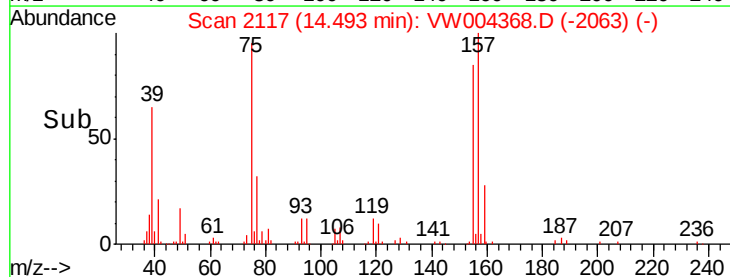
Abundance Ion 75.00 (74.70 to 75.70): VW

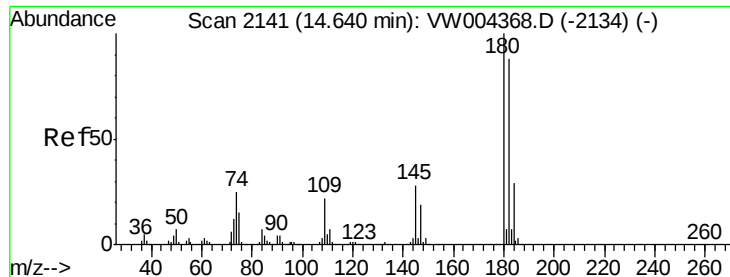
Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V



Time-->

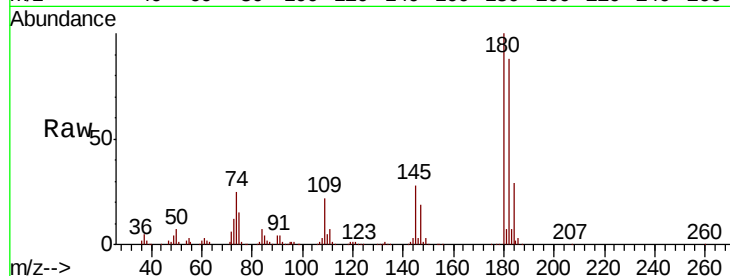




#67
 1,3,5-Trichlorobenzene
 Concen: 22.989 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004368.D
 Acq: 01 Aug 2018 10:14

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	77.7	116.5
184	30.2	24.6	37.0
145	28.8	23.6	35.4



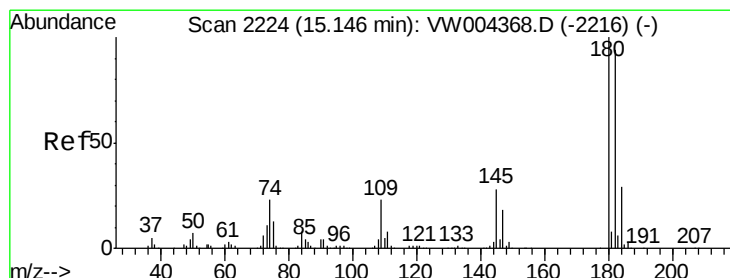
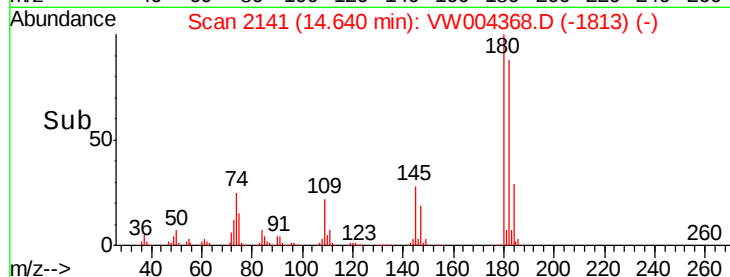
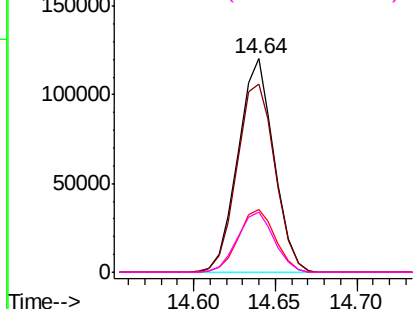
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

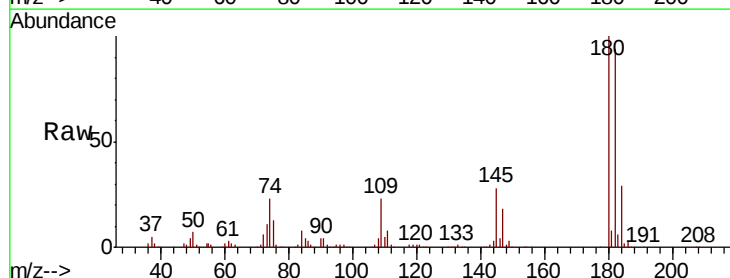
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 22.908 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004368.D
 Acq: 01 Aug 2018 10:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.5	113.3
145	28.9	24.2	36.2

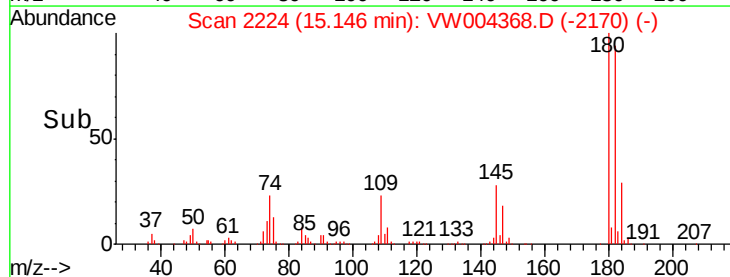
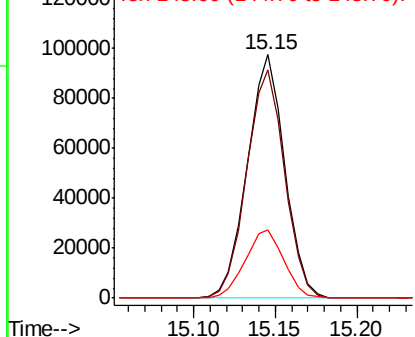


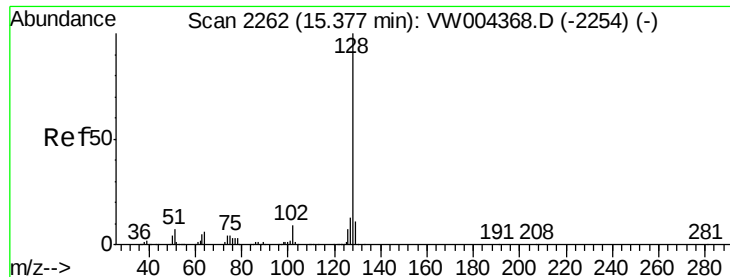
Abundance

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: 24.731 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

Instrument :

MSVOA_W

ClientSampleId :

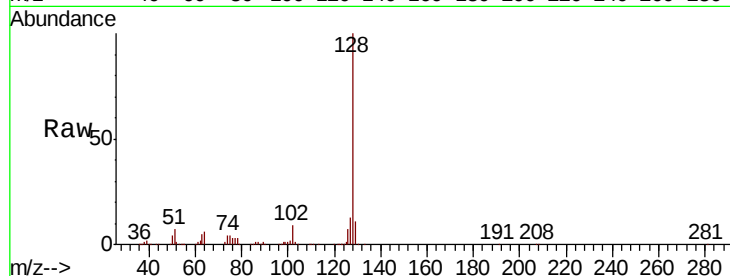
Tot Ion:128 Resp: 380052

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

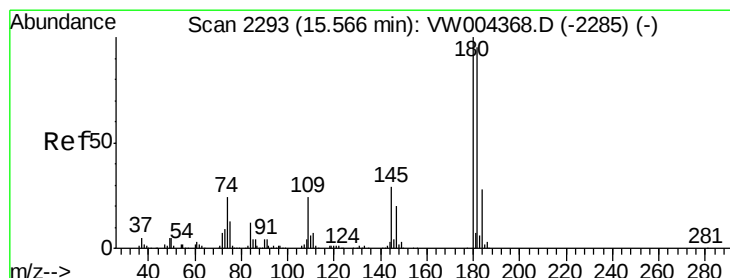
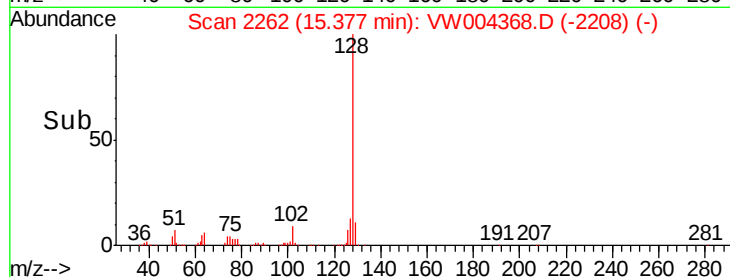
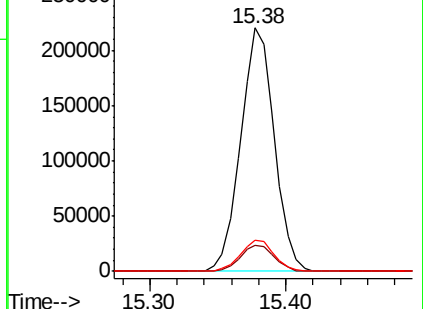
127 12.9 10.4 15.6



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: 24.320 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004368.D

Acq: 01 Aug 2018 10:14

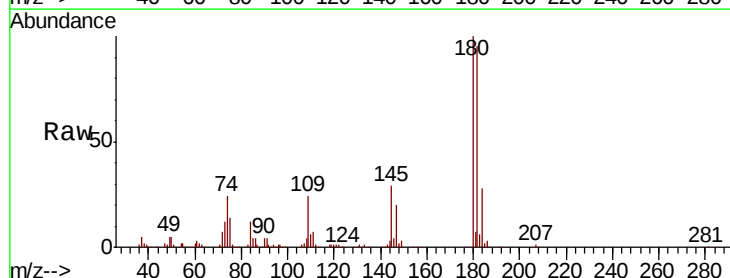
Tgt Ion:180 Resp: 153018

Ion Ratio Lower Upper

180 100

182 95.2 77.0 115.4

145 30.4 25.4 38.0



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

