

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072418\
 Data File : VW004189.D
 Acq On : 24 Jul 2018 21:06
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 25 00:30:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 25 00:28:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	294487	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	281250	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	144077	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	47411	16.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.08%
7) Chloroethane-d5	2.88	69	38693	18.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.72%
10) 1,1-Dichloroethene-d2	4.01	63	141867	20.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.20%
20) 2-Butanone-d5	7.09	46	94337	55.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.46%
24) Chloroform-d	7.65	84	161897	23.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.64%
26) 1,2-Dichloroethane-d4	8.31	65	95567	22.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.80%
29) Benzene-d6	8.27	84	278451	21.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.40%
33) 1,2-Dichloropropane-d6	9.27	67	99117	22.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.12%
37) Toluene-d8	10.33	98	248037	21.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.64%
38) trans-1,3-Dichloropropene-	10.58	79	41998	21.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.84%
39) 2-Hexanone-d5	10.93	63	70527	60.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.44%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	125863	26.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.60%
61) 1,2-Dichlorobenzene-d4	13.86	152	105458	22.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.00	85	42841	22.721	ug/L	# 88
3) Chloromethane	2.20	50	68477	22.718	ug/L	97
5) Vinyl chloride	2.36	62	100741	22.195	ug/L	98
6) Bromomethane	2.77	94	53926	22.380	ug/L	98
8) Chloroethane	2.92	64	53261	22.384	ug/L	96
9) Trichlorofluoromethane	3.25	101	40591	17.949	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.04	101	105273	26.178	ug/L	97
12) 1,1-Dichloroethene	4.03	96	99165	25.297	ug/L	96
13) Acetone	4.12	43	83370	44.894	ug/L	97
14) Carbon disulfide	4.37	76	305802	24.113	ug/L	100
15) Methyl Acetate	4.67	43	90283	28.498	ug/L	98
16) Methylene chloride	4.91	84	117355	20.772	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	208137	27.454	ug/L	99
18) trans-1,2-Dichloroethene	5.41	96	108646	26.921	ug/L	97
19) 1,1-Dichloroethane	6.21	63	211762	27.580	ug/L	98
21) 2-Butanone	7.18	43	125941	54.658	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	119072	27.603	ug/L	95

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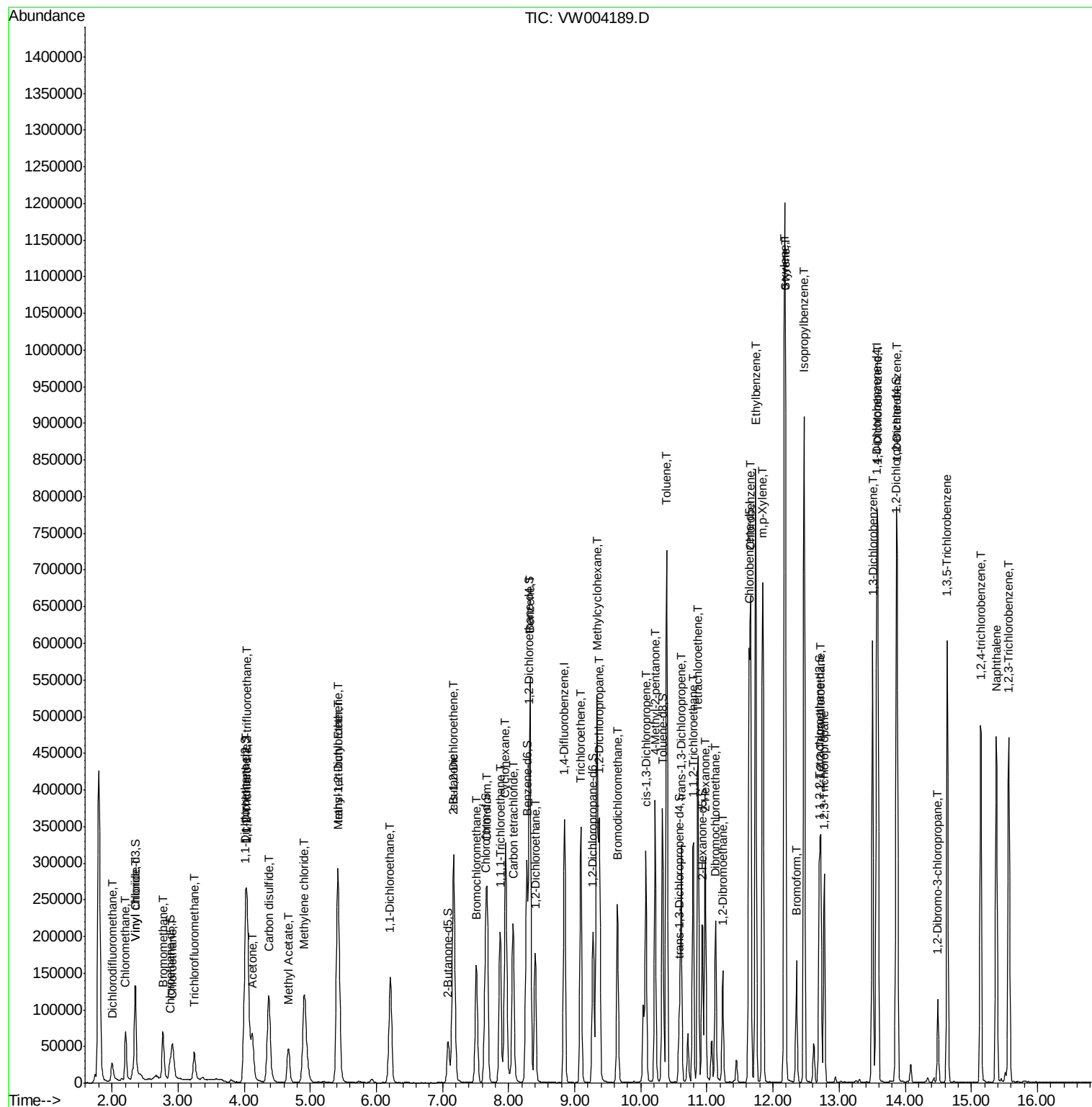
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	56540	27.876	ug/L	96
25) Chloroform	7.68	83	217822	27.781	ug/L	100
27) 1,2-Dichloroethane	8.40	62	159226	27.554	ug/L	96
30) Cyclohexane	7.95	56	184899	26.955	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	164713	25.751	ug/L	98
32) Carbon tetrachloride	8.07	117	162603	26.348	ug/L	100
34) Benzene	8.32	78	475603	27.587	ug/L	100
35) Trichloroethene	9.09	95	121447	26.329	ug/L	99
36) Methylcyclohexane	9.34	83	204624	26.840	ug/L	99
40) 1,2-Dichloropropane	9.37	63	131542	28.146	ug/L	99
41) Bromodichloromethane	9.65	83	158433	27.533	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	181157	27.509	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	251158	61.130	ug/L	100
44) Toluene	10.39	91	511442	28.311	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	169707	27.939	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	102114	28.113	ug/L	98
47) Tetrachloroethene	10.87	164	100184	26.930	ug/L	96
49) 2-Hexanone	10.98	43	193277	60.764	ug/L	99
50) Dibromochloromethane	11.13	129	116785	28.701	ug/L	97
51) 1,2-Dibromoethane	11.24	107	99913	28.164	ug/L	98
52) Chlorobenzene	11.66	112	322127	27.811	ug/L	98
53) Ethylbenzene	11.74	91	568090	29.051	ug/L	99
54) m,p-Xylene	11.85	106	214733	29.794	ug/L	99
55) o-xylene	12.17	106	201394	29.214	ug/L	99
56) Styrene	12.19	104	355058	29.814	ug/L	100
57) Isopropylbenzene	12.47	105	554742	29.350	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	148471	28.597	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	115446	28.725	ug/L	99
62) Bromoform	12.35	173	75625	27.813	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	242295	27.304	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	261220	27.454	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	244611	28.286	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	28230	28.001	ug/L	95
67) 1,3,5-Trichlorobenzene	14.64	180	189977	27.074	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	155171	27.575	ug/L	99
69) Naphthalene	15.38	128	390718	30.838	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	158438	29.592	ug/L	99

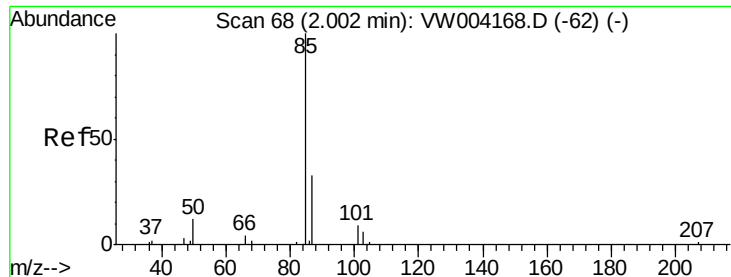
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.721 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW004189.D

Acq: 24 Jul 2018 21:06

Instrument :

MSVOA_W

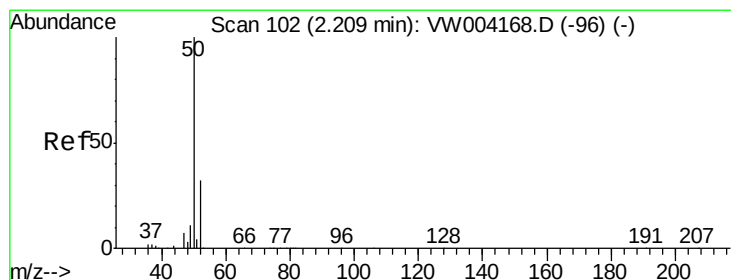
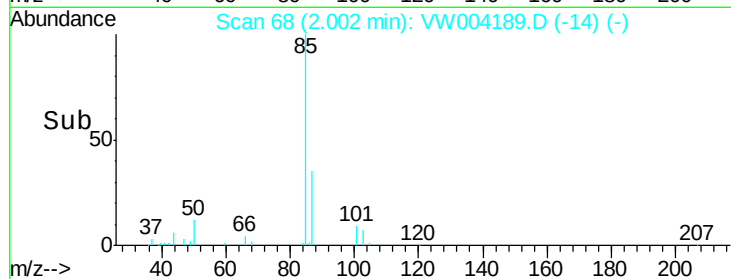
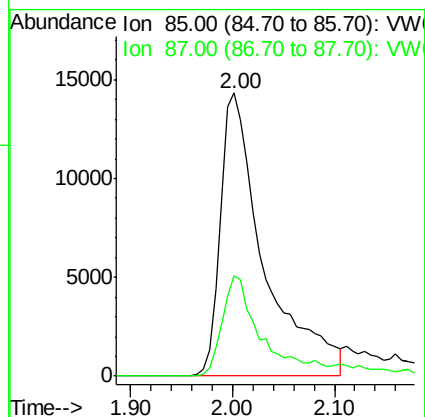
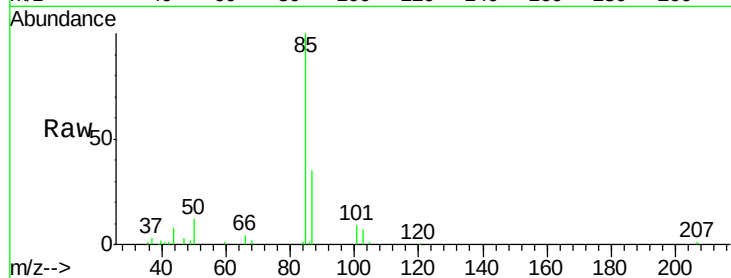
ClientSampleId :

Tot Ion: 85 Resp: 42841

Ion Ratio Lower Upper

85 100

87 29.4 0.1 0.1#



#3

Chloromethane

Concen: 22.718 ug/L

RT: 2.20 min Scan# 101

Delta R.T. -0.01 min

Lab File: VW004189.D

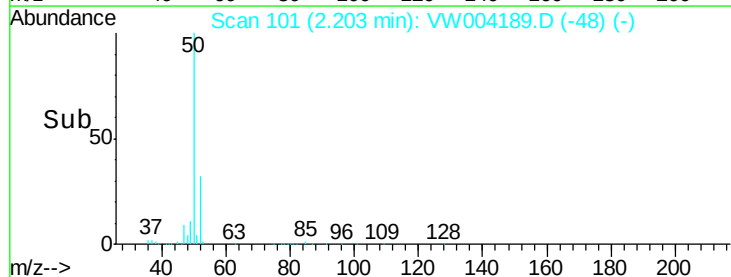
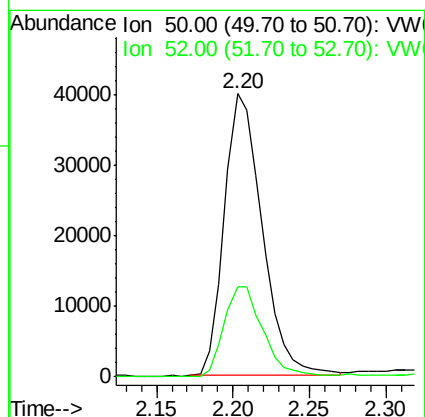
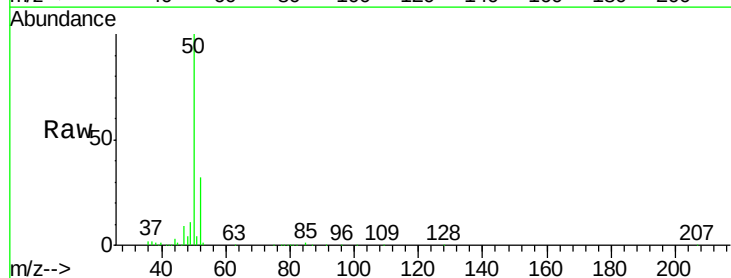
Acq: 24 Jul 2018 21:06

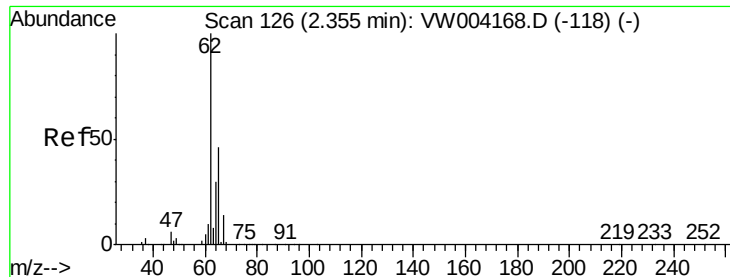
Tgt Ion: 50 Resp: 68477

Ion Ratio Lower Upper

50 100

52 32.0 21.3 39.6





#5

Vinyl chloride

Concen: 22.195 ug/L

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW004189.D

Acq: 24 Jul 2018 21:06

Instrument :

MSVOA_W

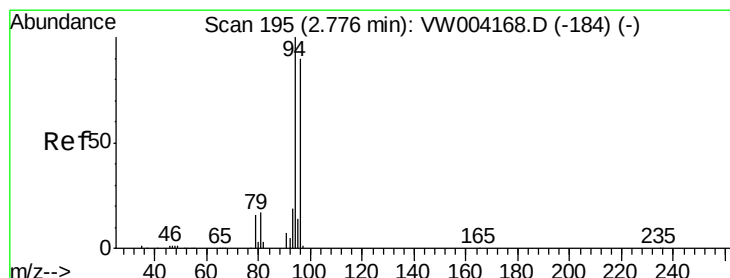
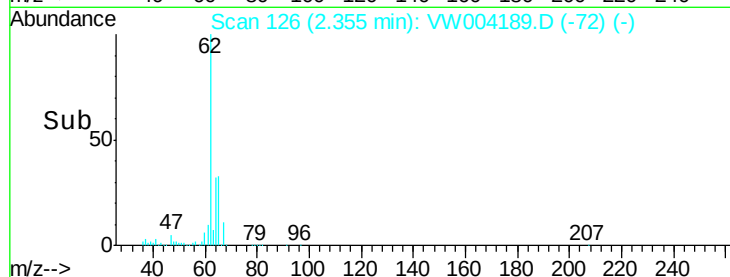
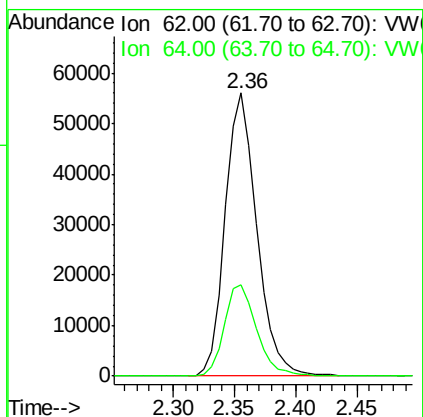
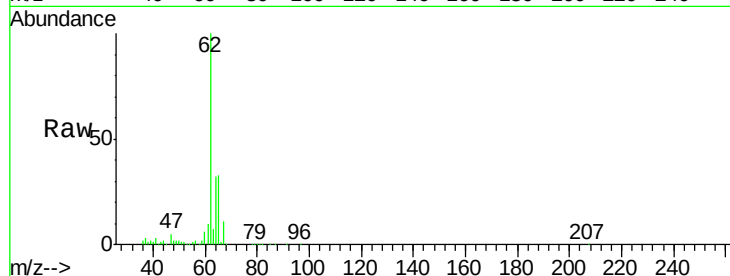
ClientSampled :

Tot Ion: 62 Resp: 100741

Ion Ratio Lower Upper

62 100

64 32.1 23.1 42.9



#6

Bromomethane

Concen: 22.380 ug/L

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW004189.D

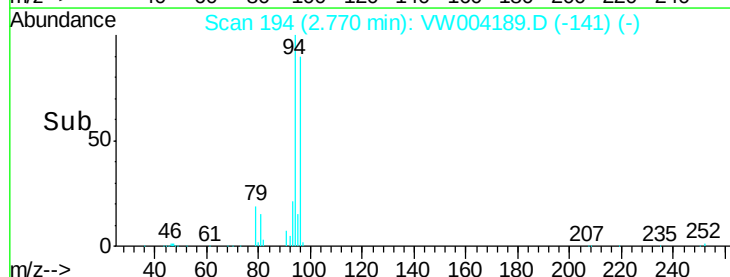
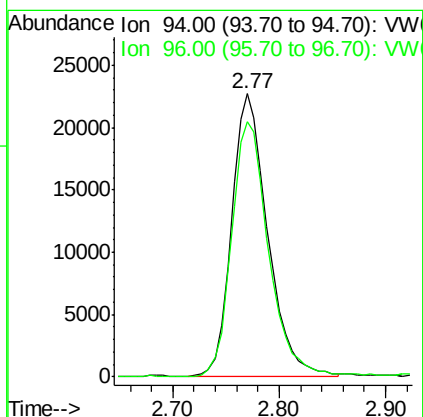
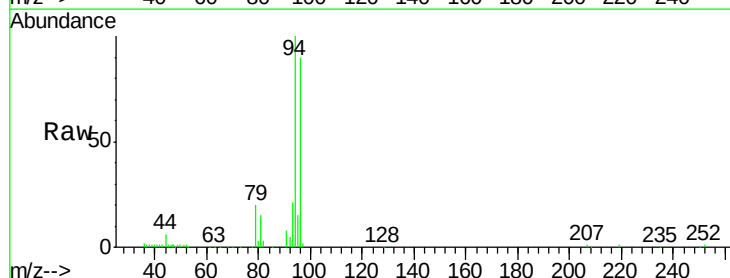
Acq: 24 Jul 2018 21:06

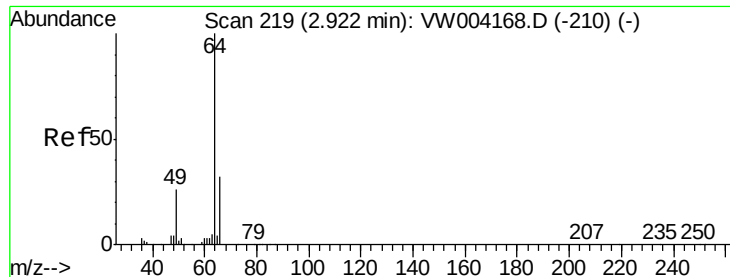
Tgt Ion: 94 Resp: 53926

Ion Ratio Lower Upper

94 100

96 92.6 9.5 179.9





#8

Chloroethane

Concen: 22.384 ug/L

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW004189.D

Acq: 24 Jul 2018 21:06

Instrument :

MSVOA_W

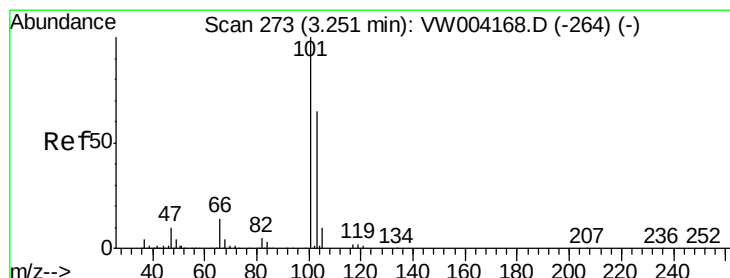
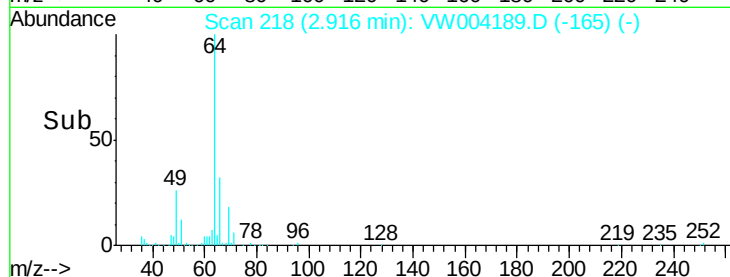
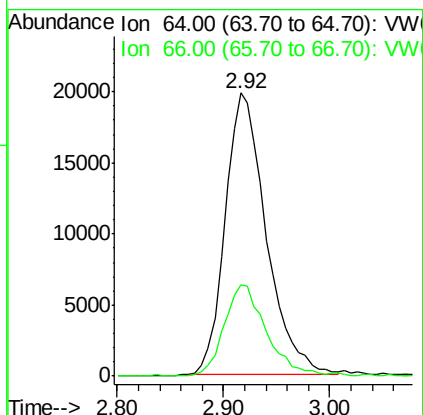
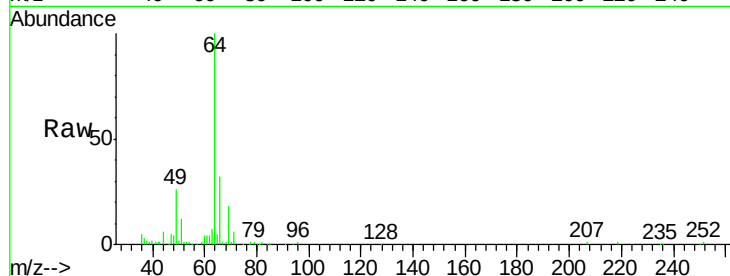
ClientSampled :

Tot Ion: 64 Resp: 53261

Ion Ratio Lower Upper

64 100

66 32.2 21.2 39.4



#9

Trichlorofluoromethane

Concen: 17.949 ug/L

RT: 3.25 min Scan# 272

Delta R.T. -0.01 min

Lab File: VW004189.D

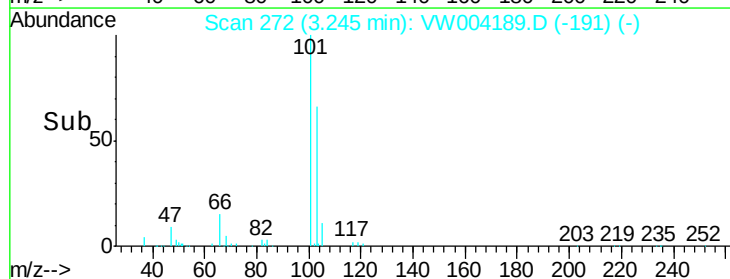
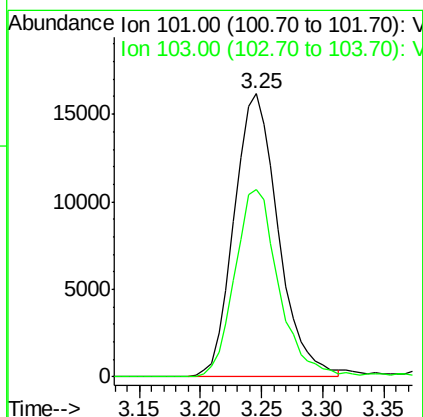
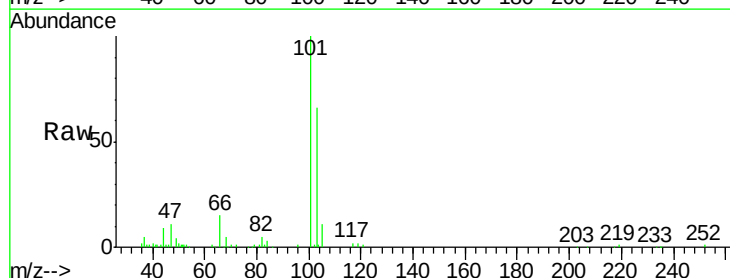
Acq: 24 Jul 2018 21:06

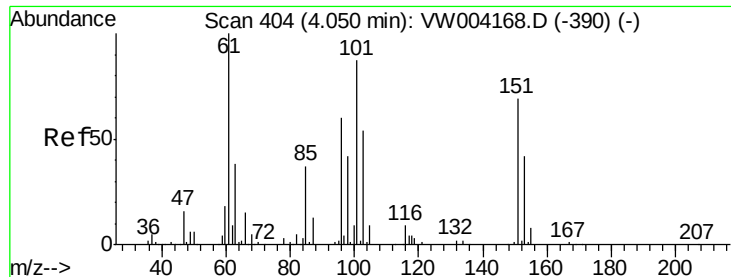
Tgt Ion: 101 Resp: 40591

Ion Ratio Lower Upper

101 100

103 65.3 45.6 84.8





#11

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

Concen: 26.178 ug/L

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW004189.D

Acq: 24 Jul 2018 21:06

Instrument :

MSVOA_W

ClientSampled :

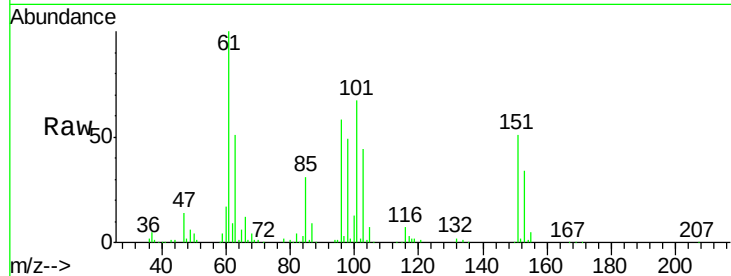
Tot Ion:101 Resp: 105273

Ion Ratio Lower Upper

101 100

85 44.9 36.2 54.4

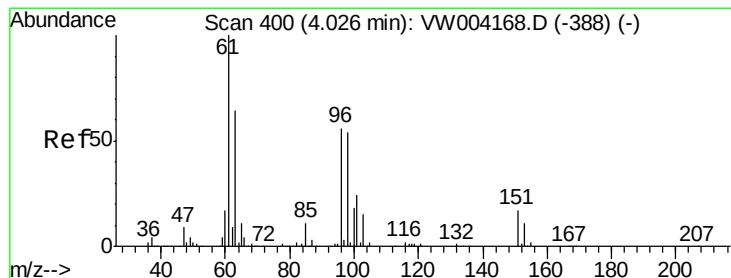
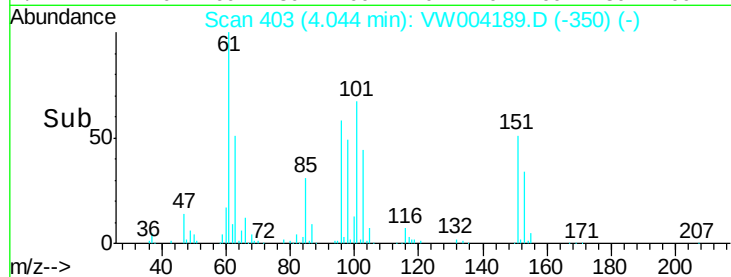
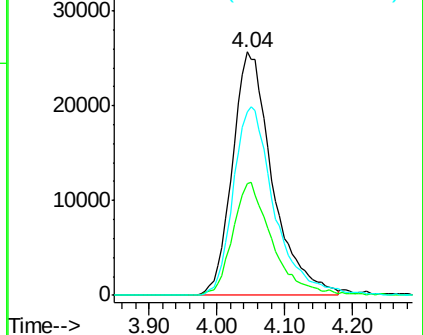
151 78.8 59.5 89.3



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: 25.297 ug/L

RT: 4.03 min Scan# 400

Delta R.T. 0.00 min

Lab File: VW004189.D

Acq: 24 Jul 2018 21:06

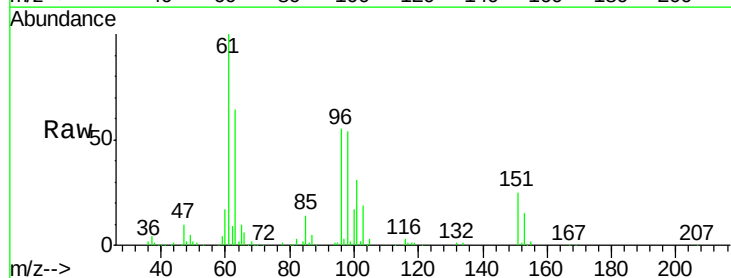
Tgt Ion: 96 Resp: 99165

Ion Ratio Lower Upper

96 100

61 181.7 127.3 236.5

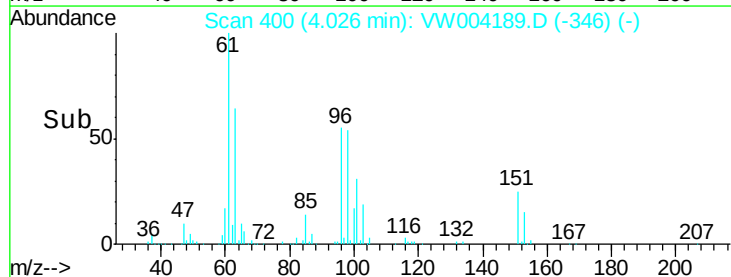
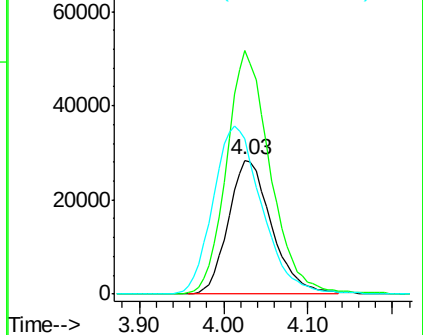
63 116.1 88.5 164.4

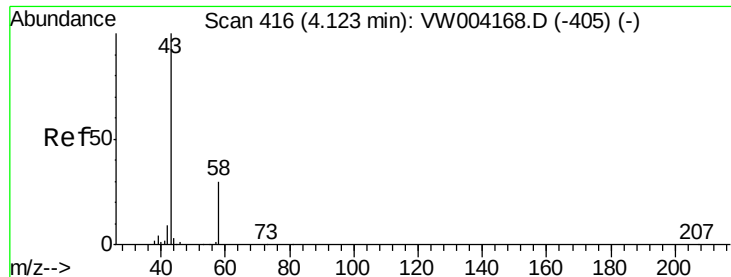


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.894 ug/L

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW004189.D

Acq: 24 Jul 2018 21:06

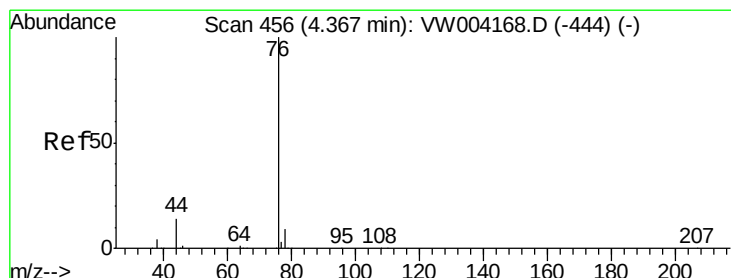
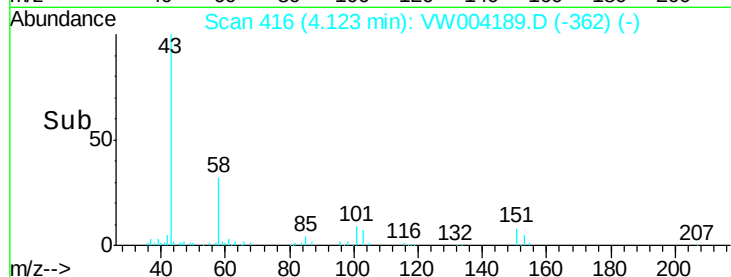
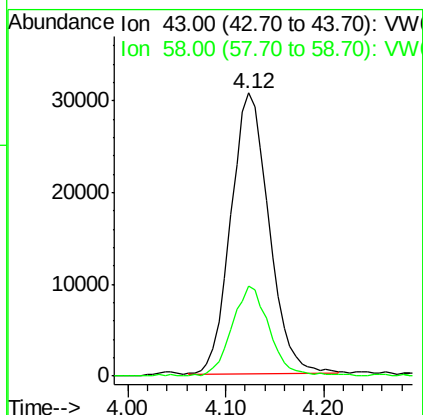
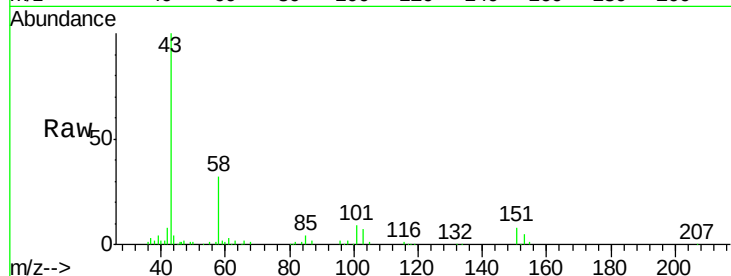
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 83370

Ion Ratio Lower Upper

43 100

58 31.1 0.0 59.4



#14

Carbon disulfide

Concen: 24.113 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW004189.D

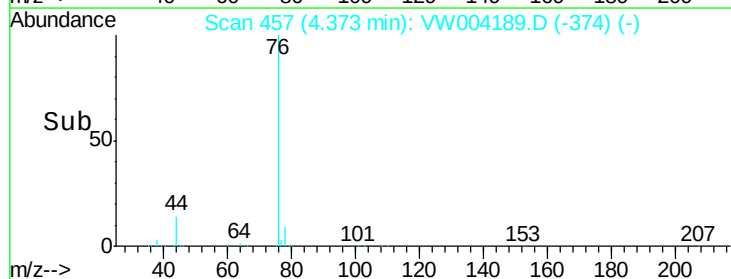
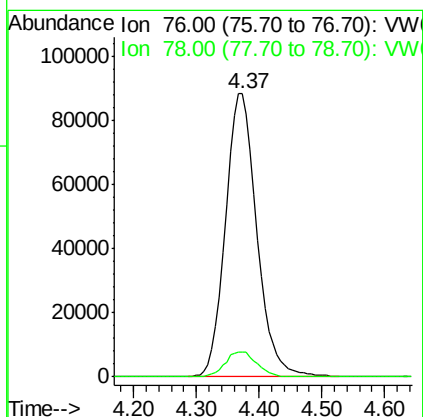
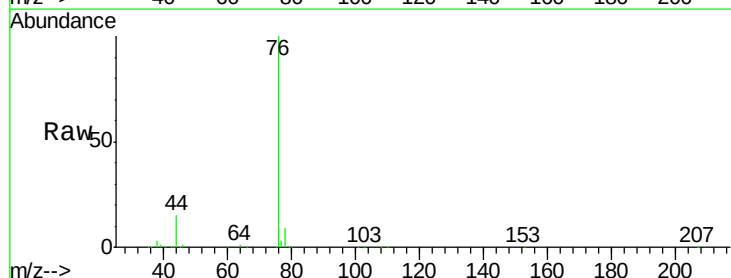
Acq: 24 Jul 2018 21:06

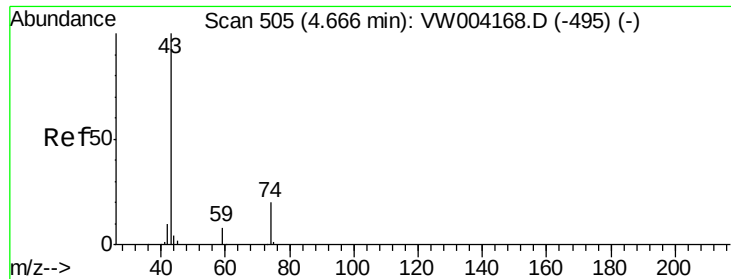
Tgt Ion: 76 Resp: 305802

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

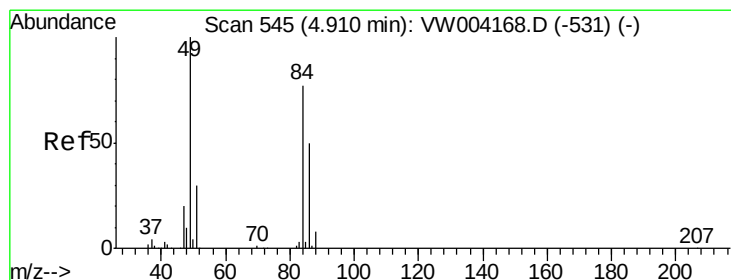
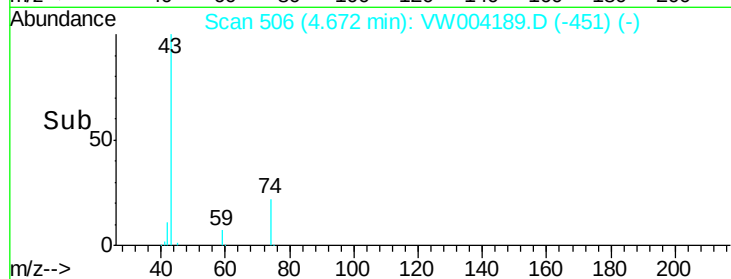
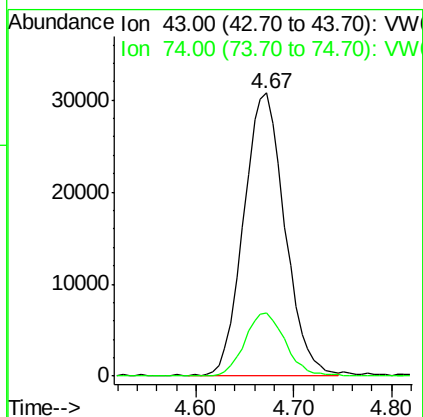
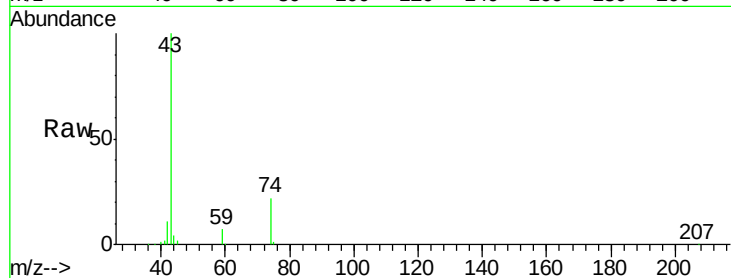




#15
Methyl Acetate
Concen: 28.498 ug/L
RT: 4.67 min Scan# 506
Delta R.T. 0.01 min
Lab File: VW004189.D
Acq: 24 Jul 2018 21:06

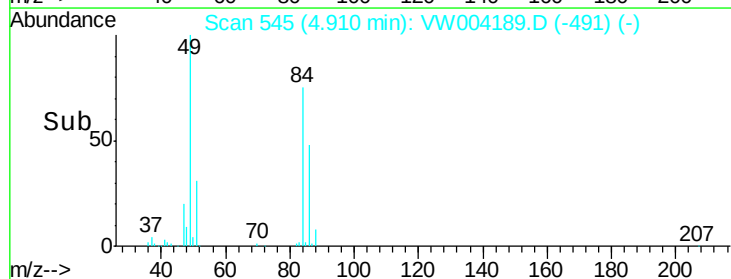
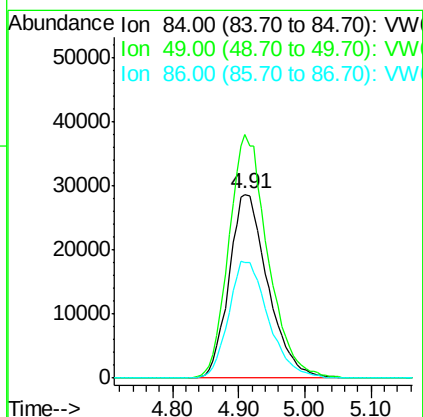
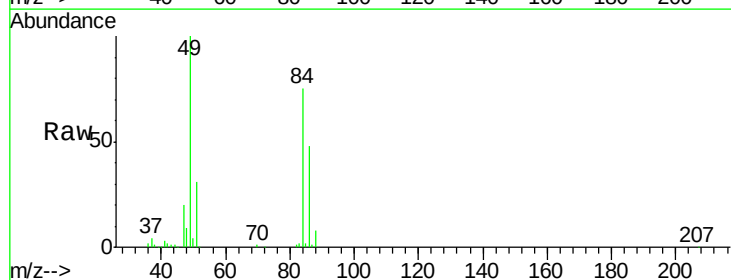
Instrument :
MSVOA_W
ClientSampleId :

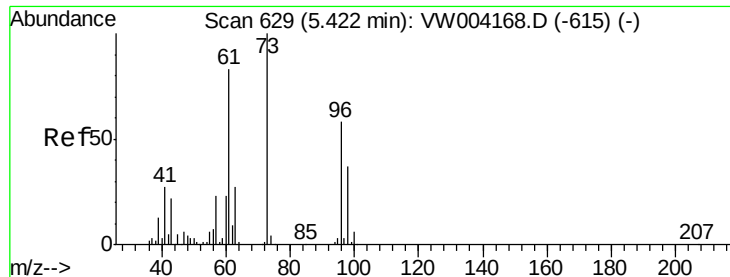
Tot Ion: 43 Resp: 90283
Ion Ratio Lower Upper
43 100
74 21.6 16.6 24.8



#16
Methylene chloride
Concen: 20.772 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004189.D
Acq: 24 Jul 2018 21:06

Tgt Ion: 84 Resp: 117355
Ion Ratio Lower Upper
84 100
49 132.7 94.2 175.0
86 63.1 45.1 83.9

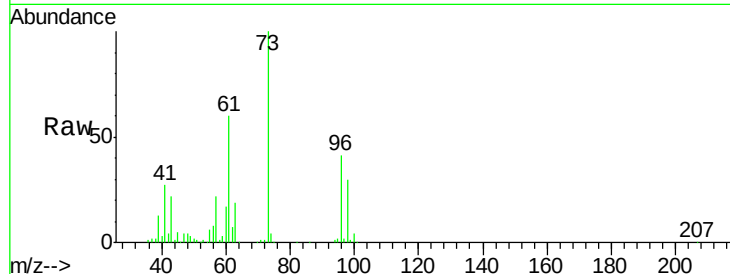




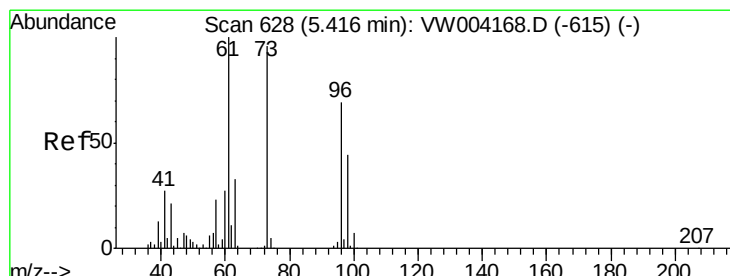
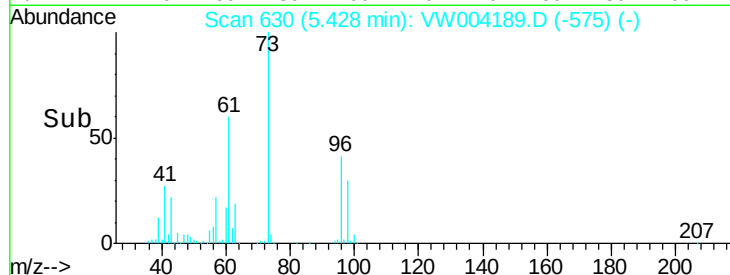
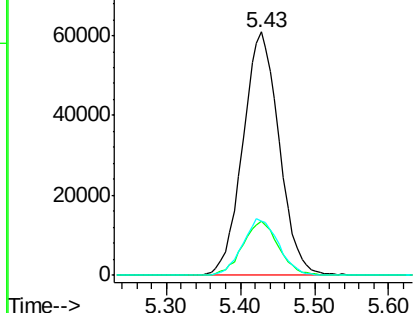
#17
Methyl tert-butyl Ether
Concen: 27.454 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW004189.D
Acq: 24 Jul 2018 21:06

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	21.9	18.1	27.1
57	23.2	19.0	28.4

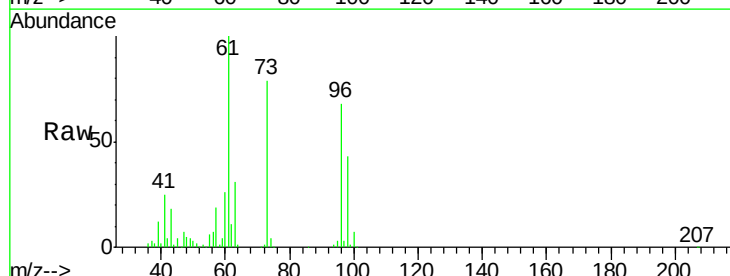


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

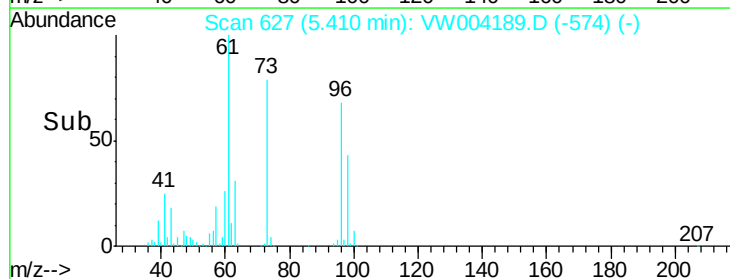
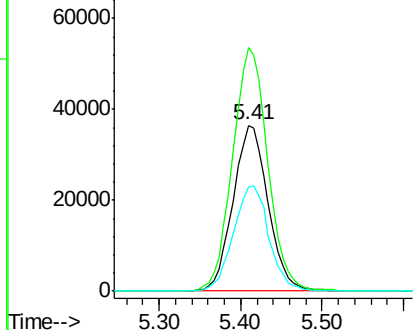


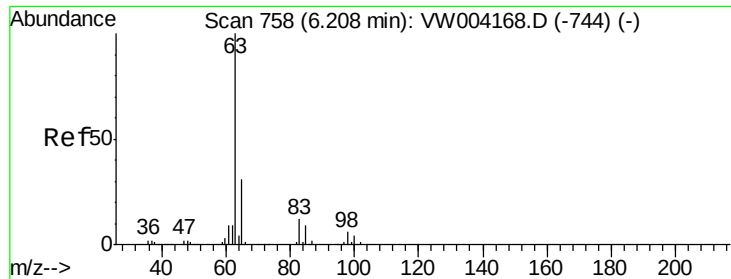
#18
trans-1,2-Dichloroethene
Concen: 26.921 ug/L
RT: 5.41 min Scan# 627
Delta R.T. -0.01 min
Lab File: VW004189.D
Acq: 24 Jul 2018 21:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.8	99.8	185.4
98	62.8	44.9	83.3



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



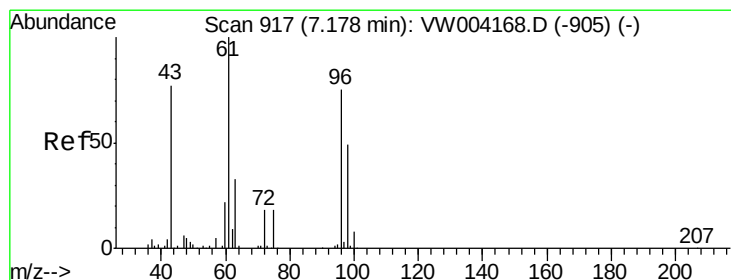
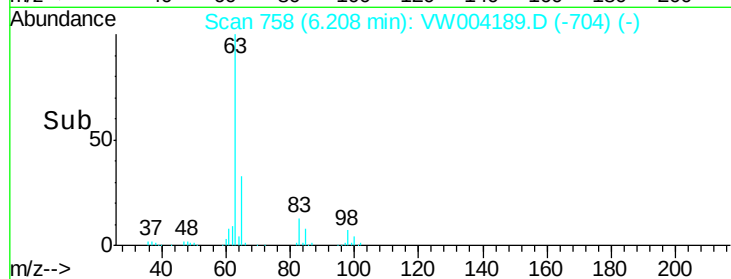
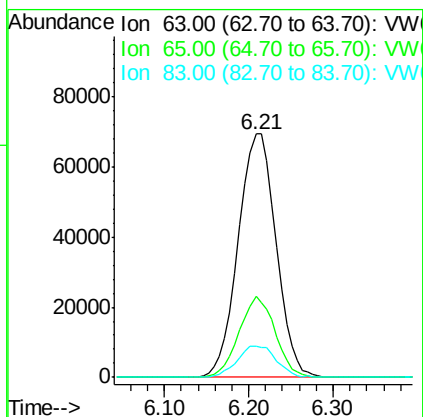
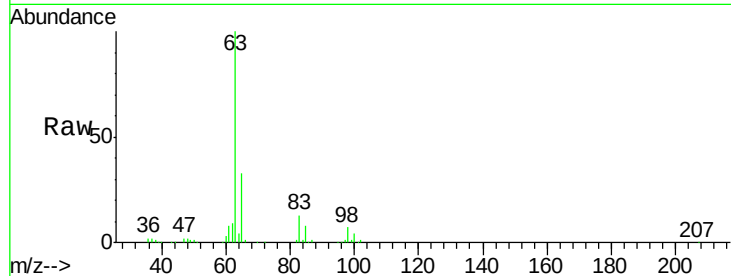


#19
 1,1-Dichloroethane
 Concen: 27.580 ug/L
 RT: 6.21 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: VW004189.D
 Acq: 24 Jul 2018 21:06

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 63 Resp: 211762

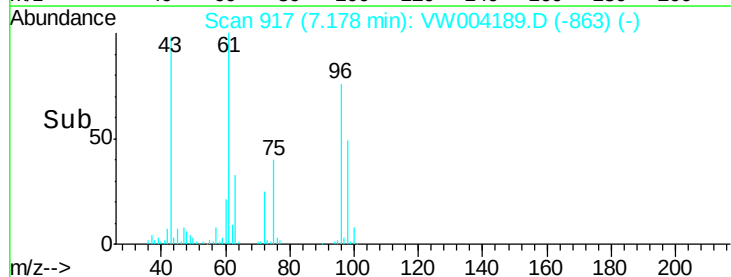
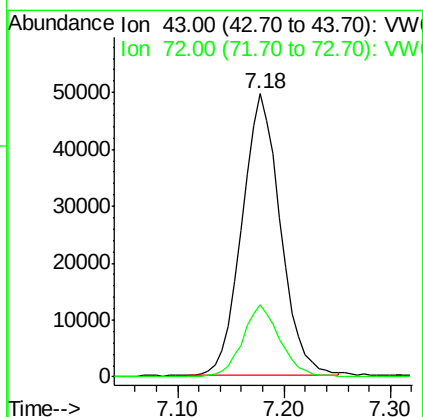
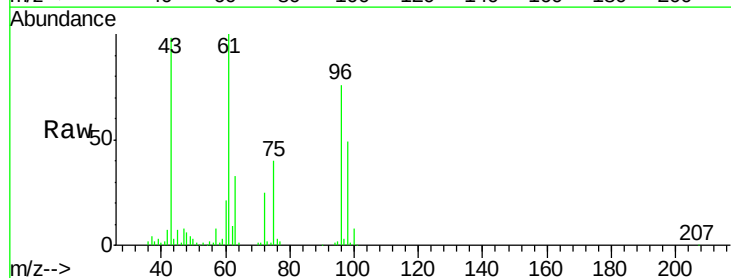
Ion	Ratio	Lower	Upper
63	100		
65	33.3	22.4	41.6
83	13.0	9.2	17.2

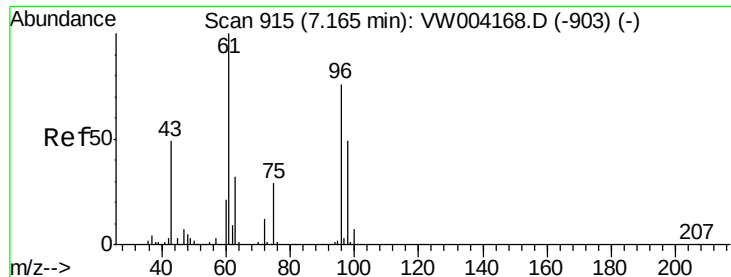


#21
 2-Butanone
 Concen: 54.658 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VW004189.D
 Acq: 24 Jul 2018 21:06

Tgt Ion: 43 Resp: 125941

Ion	Ratio	Lower	Upper
43	100		
72	24.7	12.1	36.3



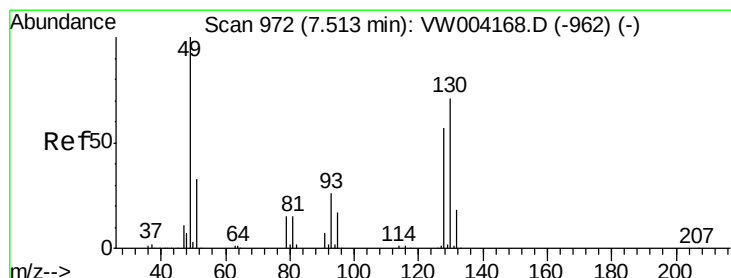
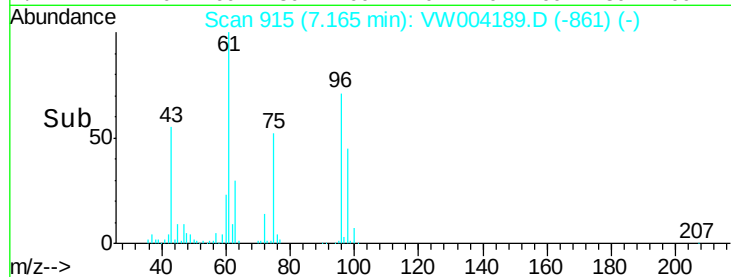
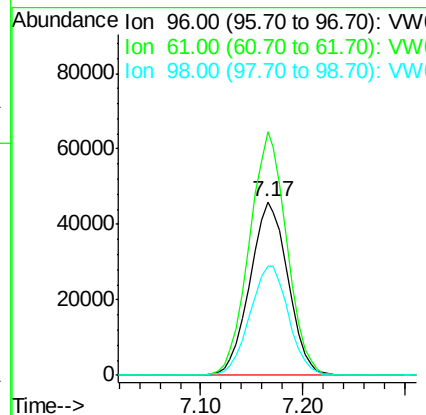
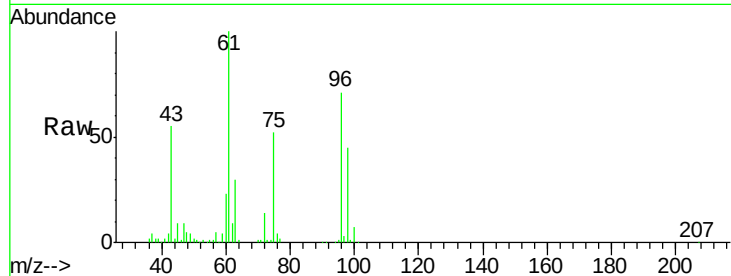


#22

cis-1,2-Dichloroethene
 Concen: 27.603 ug/L
 RT: 7.17 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VW004189.D
 Acq: 24 Jul 2018 21:06

Instrument :
 MSVOA_W
 ClientSampled :

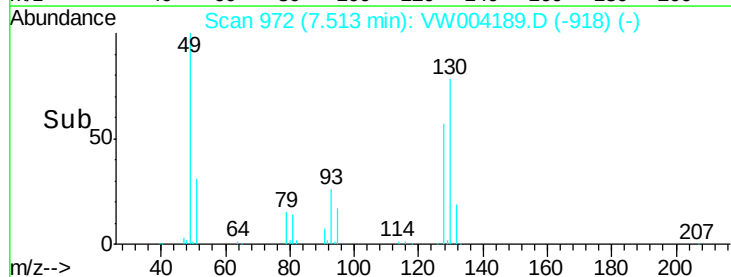
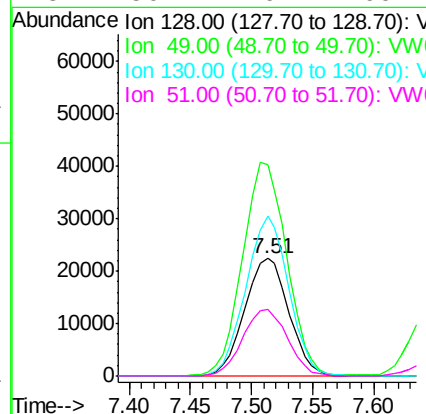
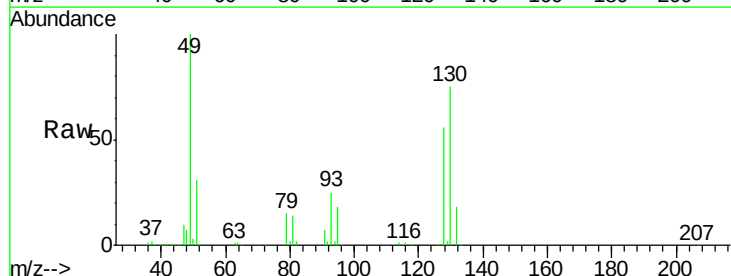
Tot Ion: 96 Resp: 119072
 Ion Ratio Lower Upper
 96 100
 61 140.5 92.5 171.9
 98 62.7 43.0 80.0

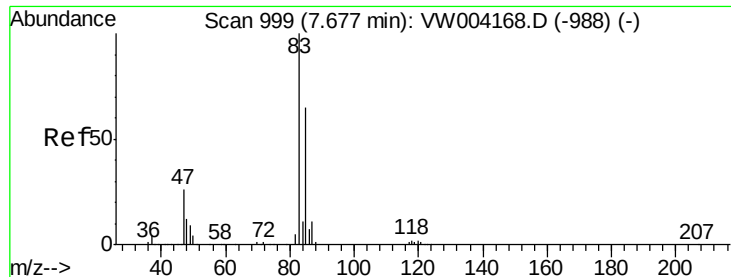


#23

Bromochloromethane
 Concen: 27.876 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004189.D
 Acq: 24 Jul 2018 21:06

Tgt Ion: 128 Resp: 56540
 Ion Ratio Lower Upper
 128 100
 49 180.1 126.4 234.8
 130 135.7 87.8 163.0
 51 56.7 46.2 69.2





#25

Chloroform

Concen: 27.781 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004189.D

Acq: 24 Jul 2018 21:06

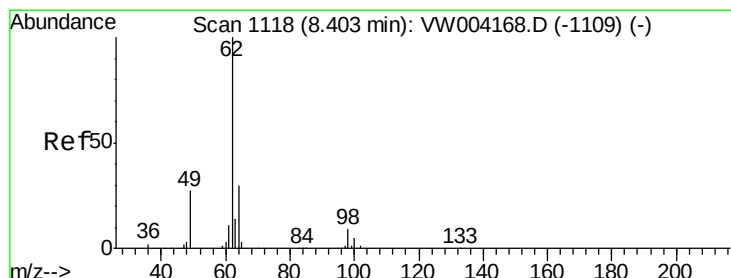
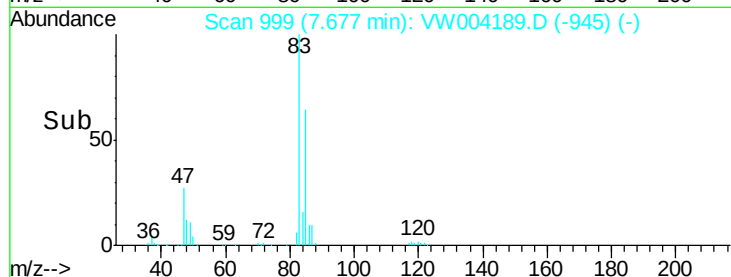
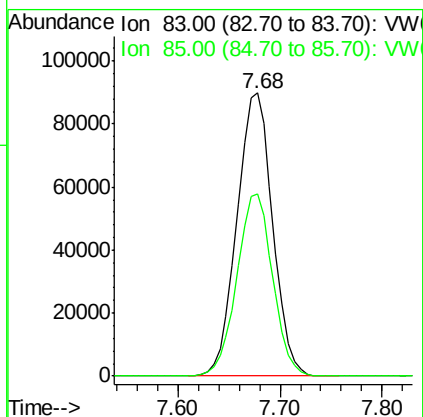
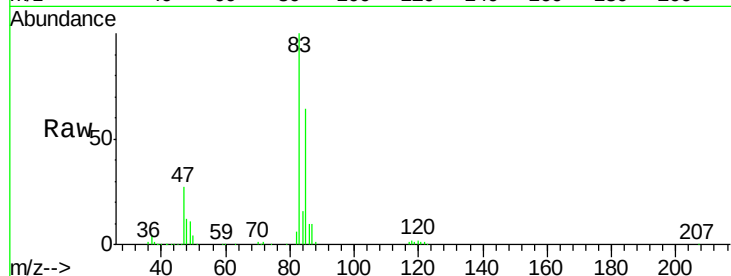
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 217822

Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1



#27

1,2-Dichloroethane

Concen: 27.554 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004189.D

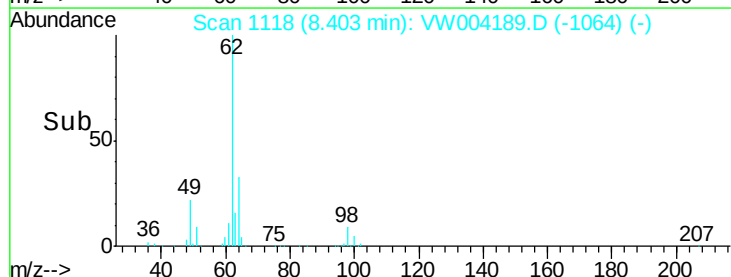
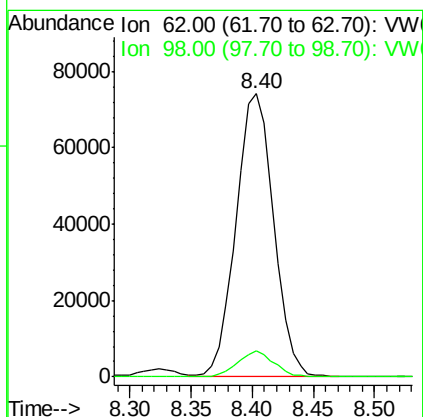
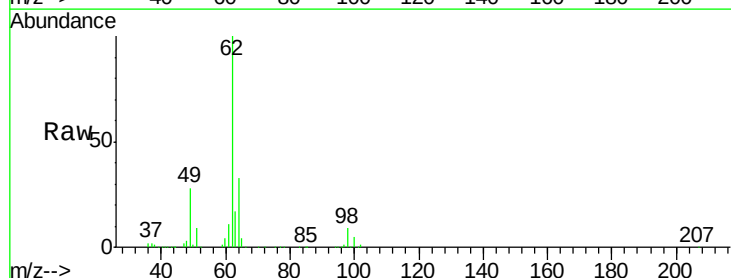
Acq: 24 Jul 2018 21:06

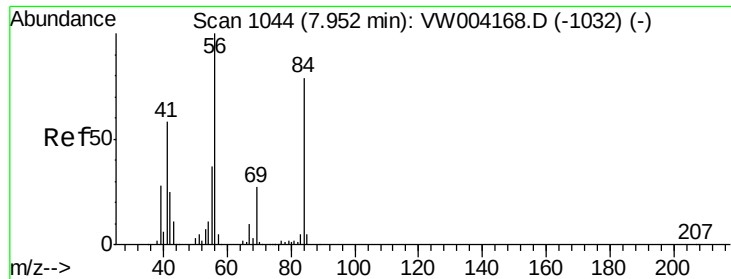
Tgt Ion: 62 Resp: 159226

Ion Ratio Lower Upper

62 100

98 9.1 6.2 9.4

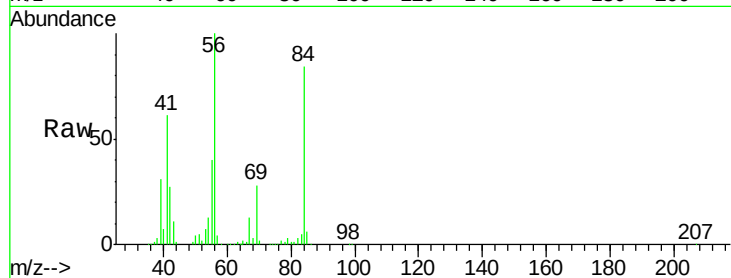




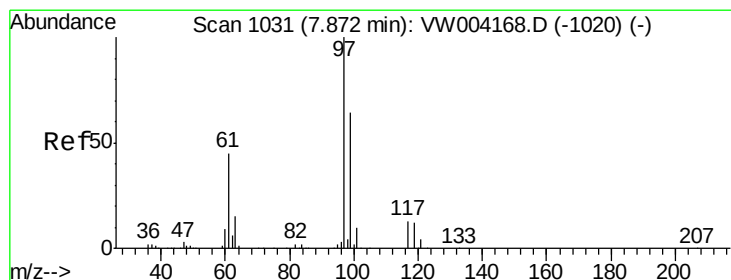
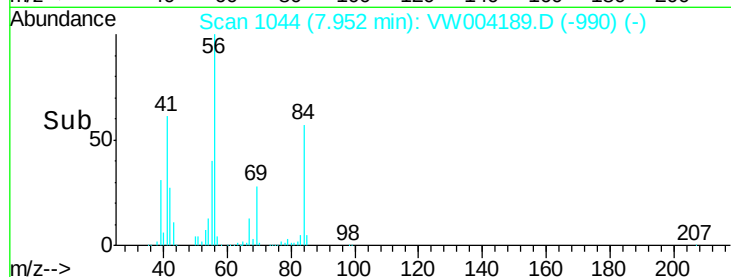
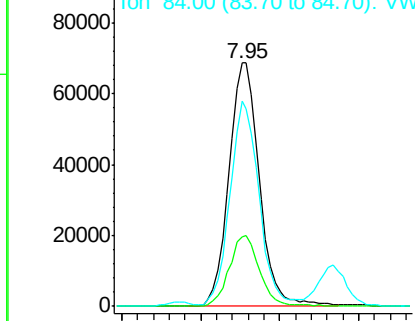
#30
Cyclohexane
Concen: 26.955 ug/L
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW004189.D
Acq: 24 Jul 2018 21:06

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.7	22.8	34.2
84	79.9	64.6	96.8

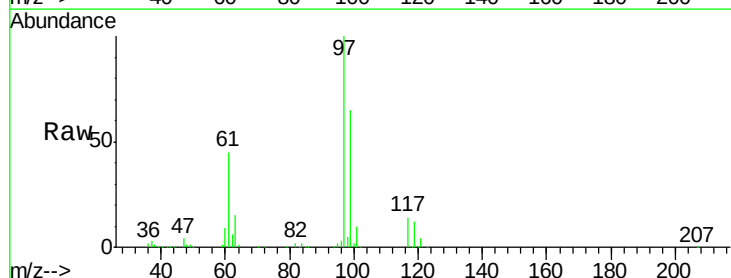


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

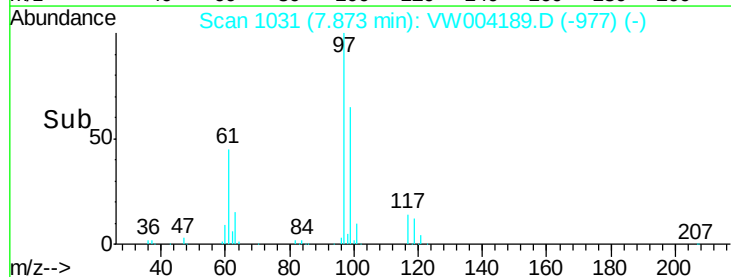
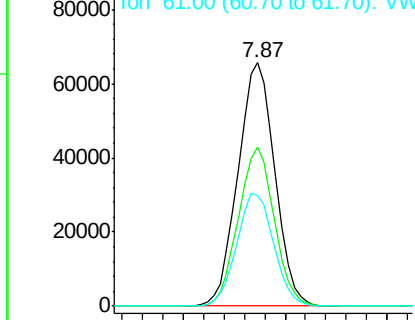


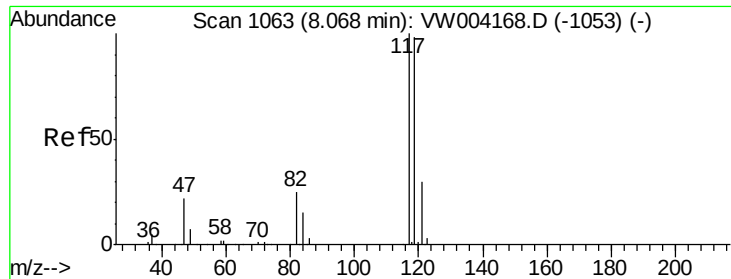
#31
1,1,1-Trichloroethane
Concen: 25.751 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004189.D
Acq: 24 Jul 2018 21:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.8	77.6
61	46.8	38.6	57.8



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 26.348 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004189.D

Acq: 24 Jul 2018 21:06

Instrument :

MSVOA_W

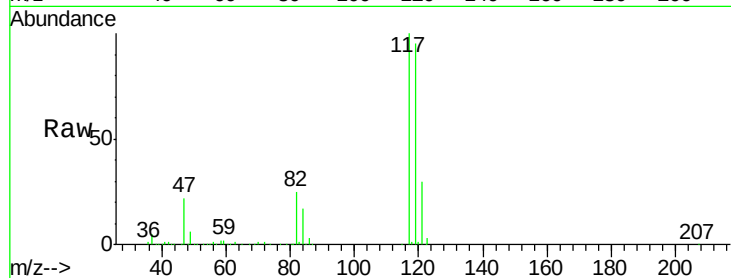
ClientSampleId :

Tot Ion:117 Resp: 162603

Ion Ratio Lower Upper

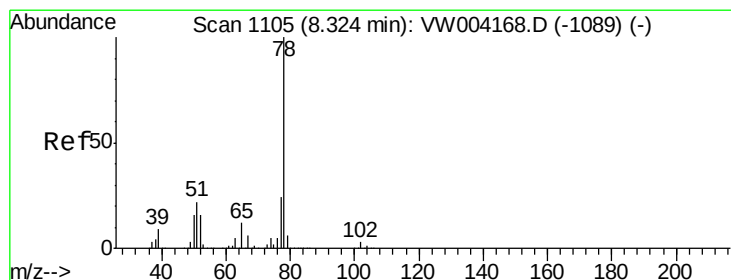
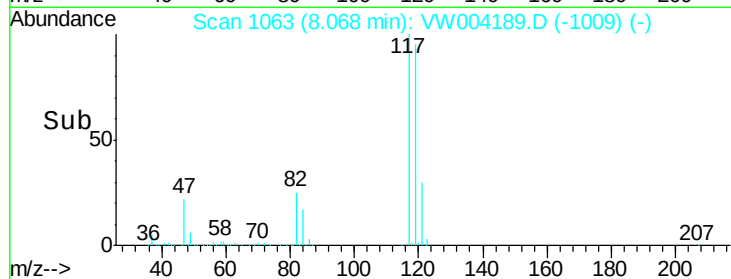
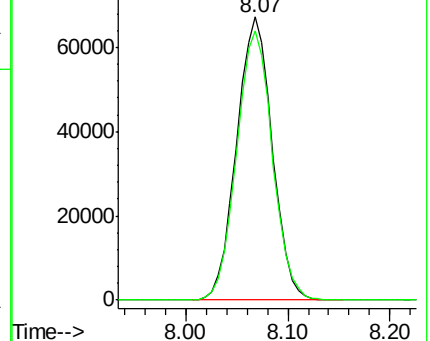
117 100

119 95.6 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.587 ug/L

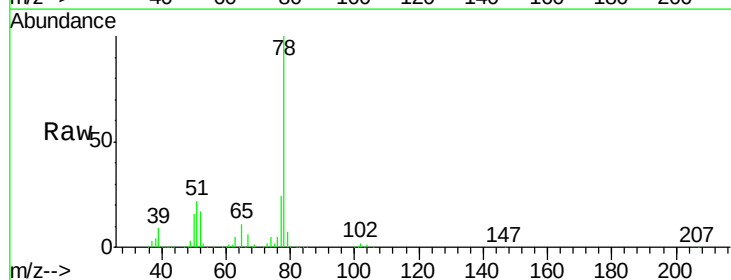
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

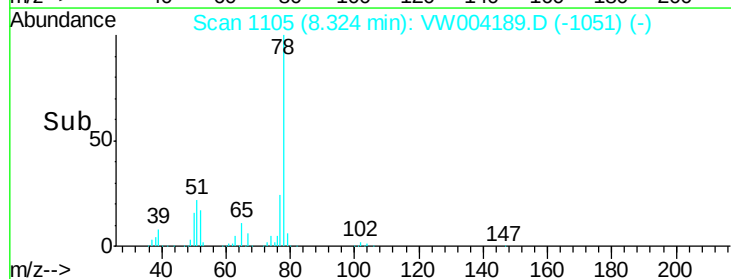
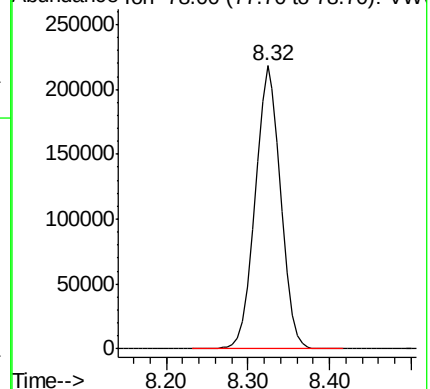
Lab File: VW004189.D

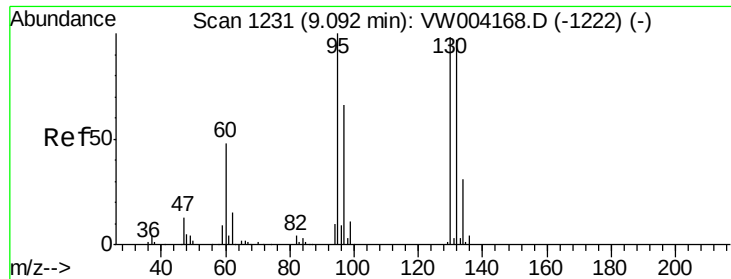
Acq: 24 Jul 2018 21:06

Tgt Ion: 78 Resp: 475603



Abundance Ion 78.00 (77.70 to 78.70): VW

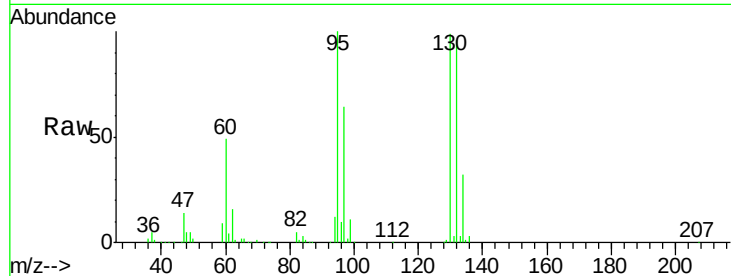




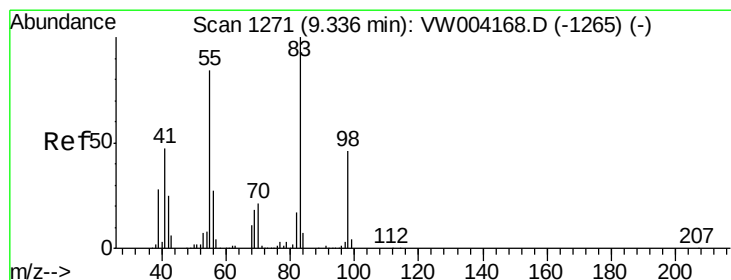
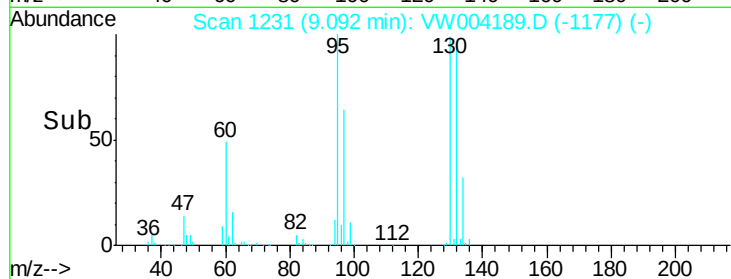
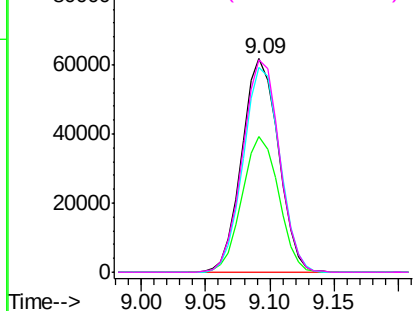
#35
 Trichloroethene
 Concen: 26.329 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW004189.D
 Acq: 24 Jul 2018 21:06

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 95 Resp: 121447
 Ion Ratio Lower Upper
 95 100
 97 63.7 44.7 83.1
 132 95.7 66.1 122.7
 130 100.1 68.9 127.9

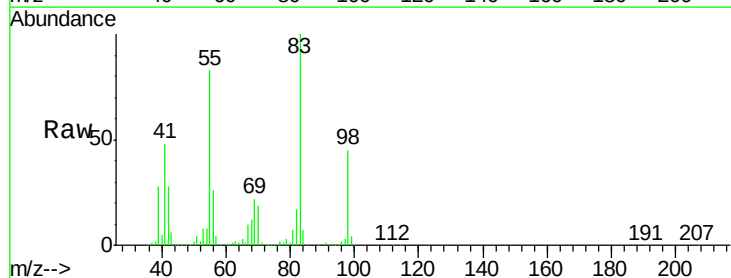


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

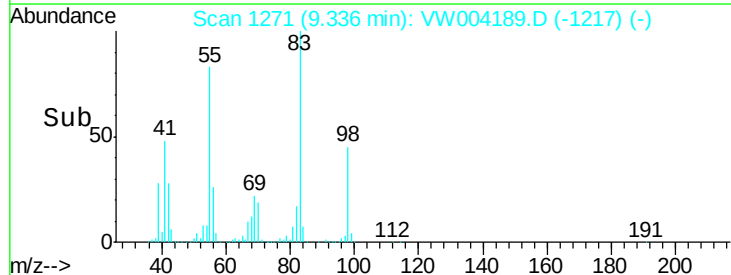
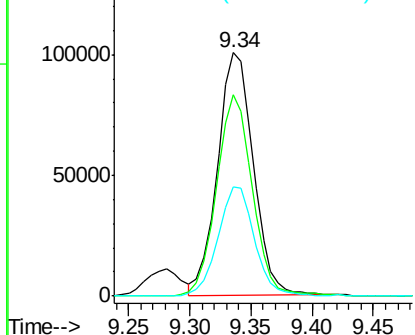


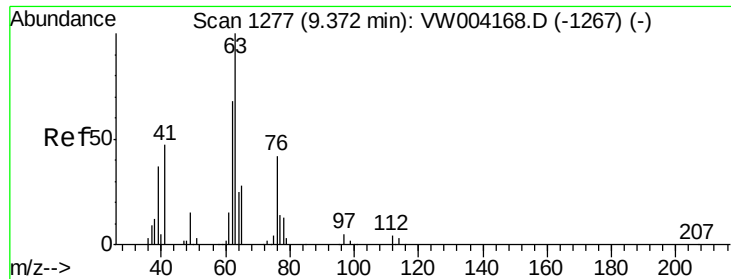
#36
 Methylcyclohexane
 Concen: 26.840 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW004189.D
 Acq: 24 Jul 2018 21:06

Tgt Ion: 83 Resp: 204624
 Ion Ratio Lower Upper
 83 100
 55 83.2 65.8 98.6
 98 45.9 37.0 55.6



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: 28.146 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004189.D

Acq: 24 Jul 2018 21:06

Instrument :

MSVOA_W

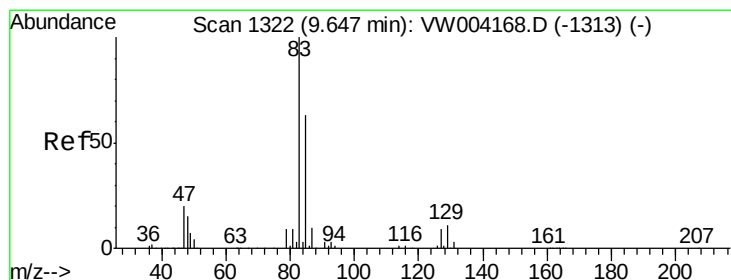
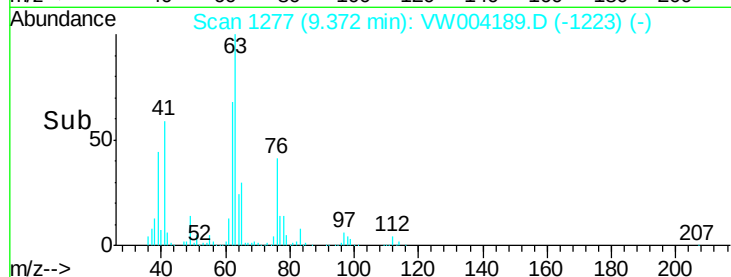
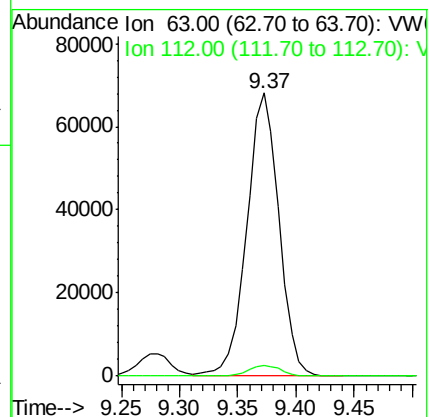
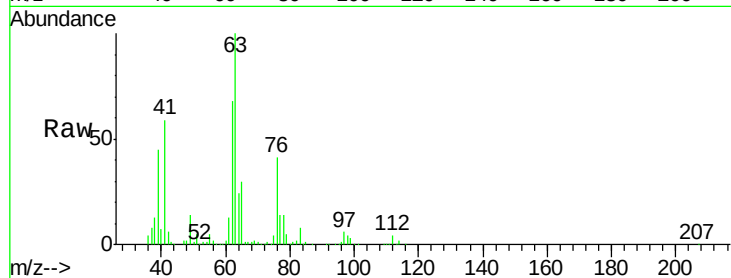
ClientSampleId :

Tot Ion: 63 Resp: 131542

Ion Ratio Lower Upper

63 100

112 3.9 3.0 4.4



#41

Bromodichloromethane

Concen: 27.533 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004189.D

Acq: 24 Jul 2018 21:06

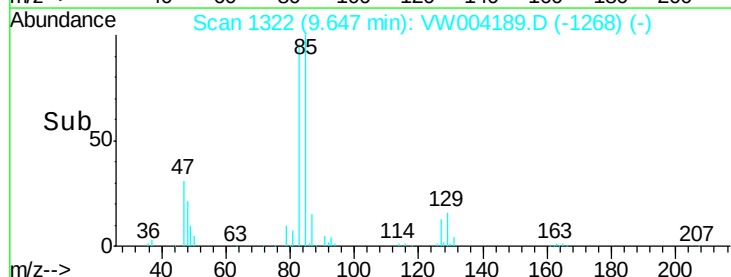
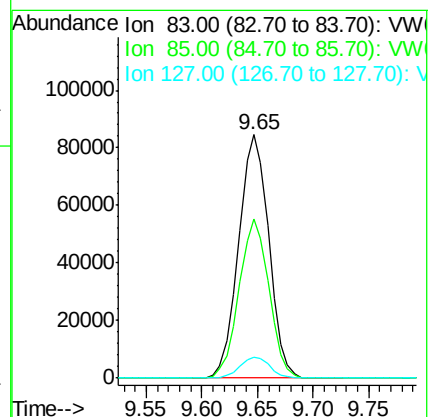
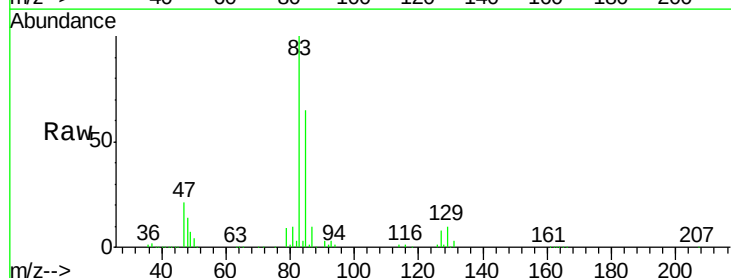
Tgt Ion: 83 Resp: 158433

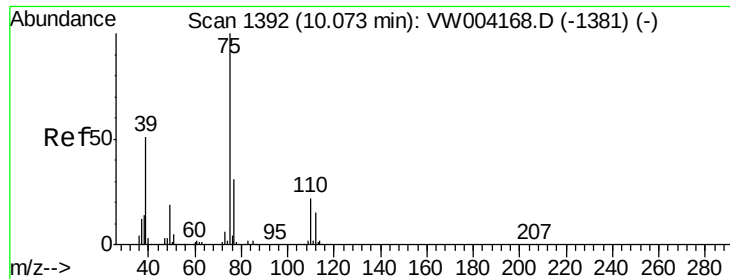
Ion Ratio Lower Upper

83 100

85 65.1 44.7 82.9

127 8.4 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 27.509 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW004189.D

Acq: 24 Jul 2018 21:06

Instrument :

MSVOA_W

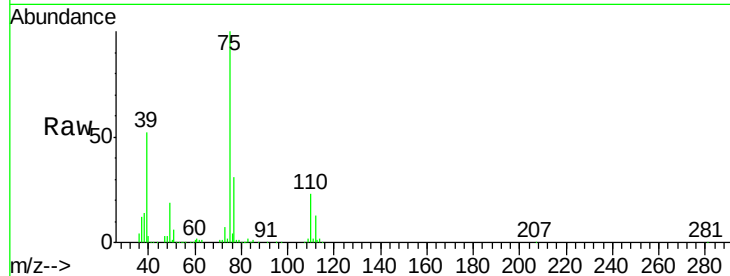
ClientSampled :

Tot Ion: 75 Resp: 181157

Ion Ratio Lower Upper

75 100

77 31.1 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

100000

80000

60000

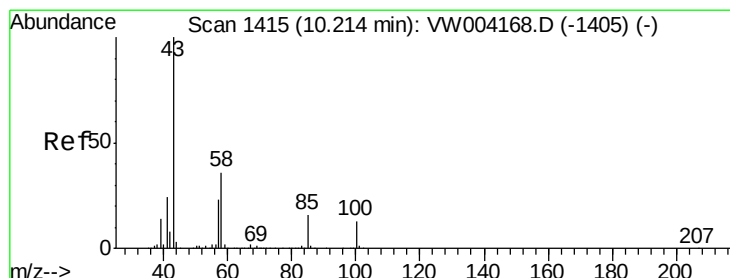
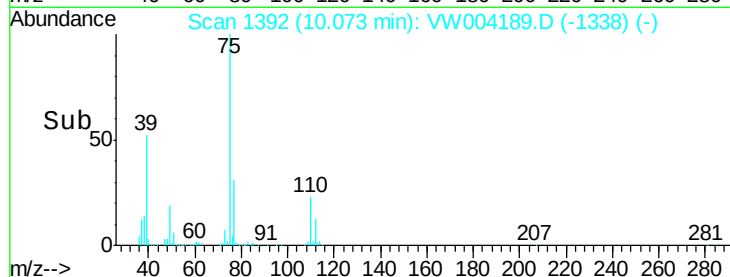
40000

20000

0

Time-->

10.00 10.10



#43

4-Methyl-2-pentanone

Concen: 61.130 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004189.D

Acq: 24 Jul 2018 21:06

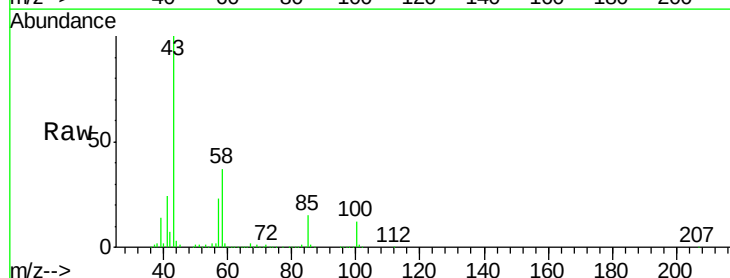
Tgt Ion: 43 Resp: 251158

Ion Ratio Lower Upper

43 100

58 36.7 29.4 44.2

100 13.1 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

200000

150000

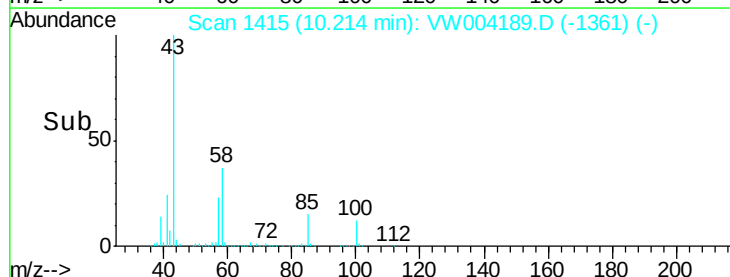
100000

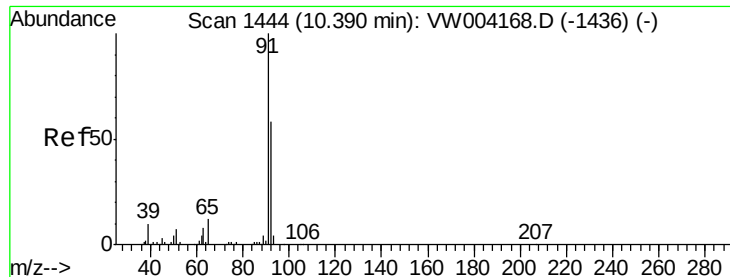
50000

0

Time-->

10.20 10.30





#44

Toluene

Concen: 28.311 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004189.D

Acq: 24 Jul 2018 21:06

Instrument :

MSVOA_W

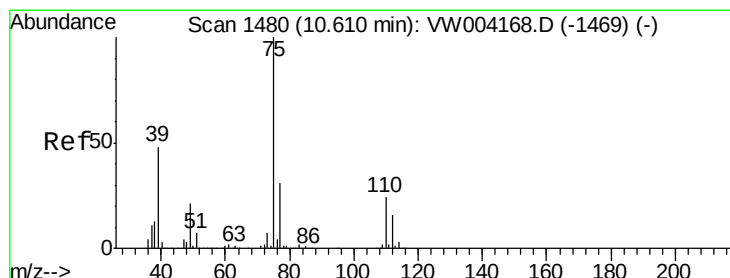
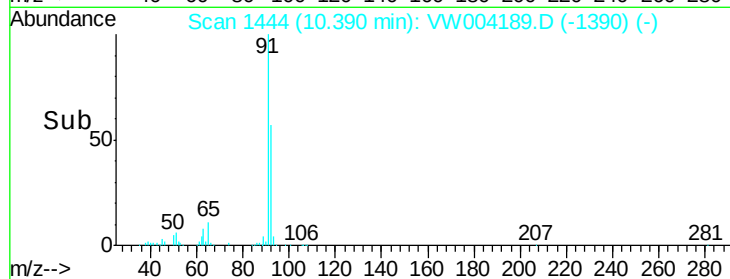
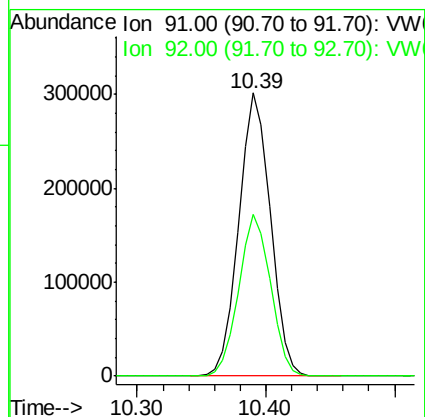
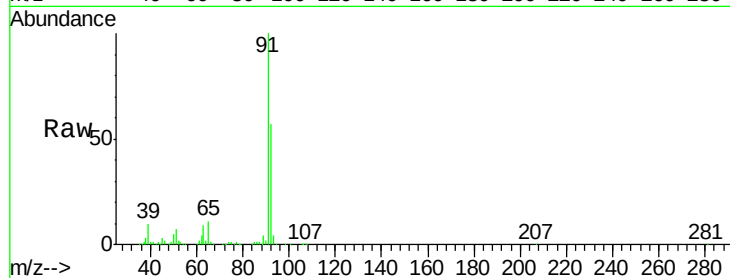
ClientSampleId :

Tot Ion: 91 Resp: 511442

Ion Ratio Lower Upper

91 100

92 57.3 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 27.939 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004189.D

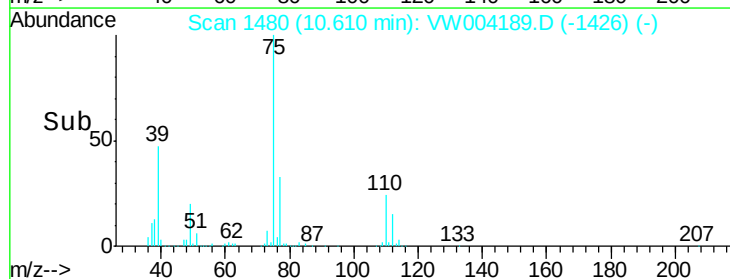
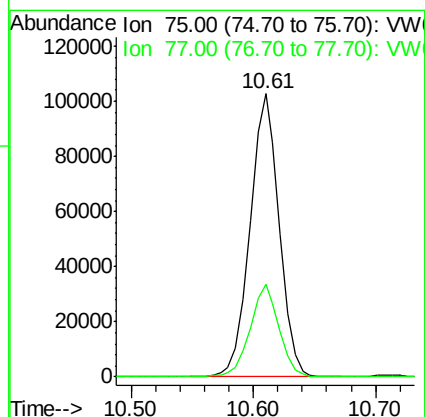
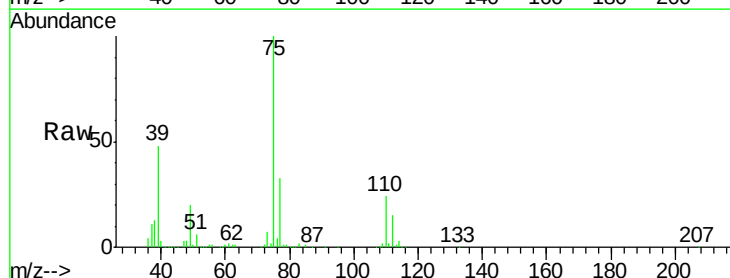
Acq: 24 Jul 2018 21:06

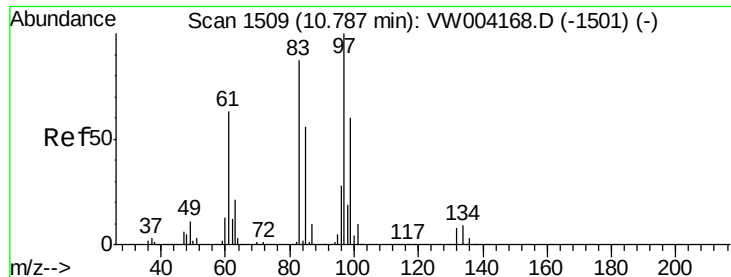
Tgt Ion: 75 Resp: 169707

Ion Ratio Lower Upper

75 100

77 32.5 22.5 41.7

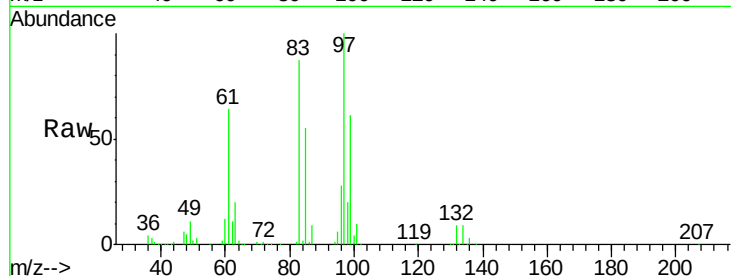




#46
 1,1,2-Trichloroethane
 Concen: 28.113 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VW004189.D
 Acq: 24 Jul 2018 21:06

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	97	Resp	102	114
Ion	Ratio	Lower	Upper	
97	100			
83	86.9	59.4	110.4	
85	55.4	40.0	74.2	
99	61.0	43.3	80.5	



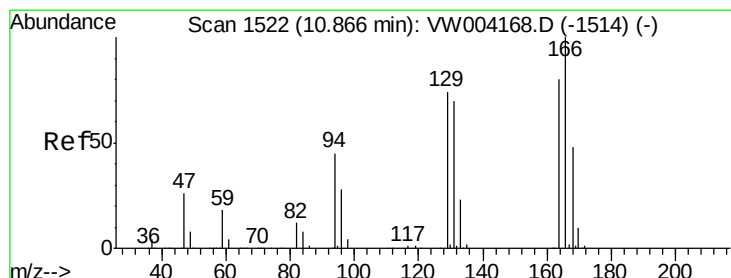
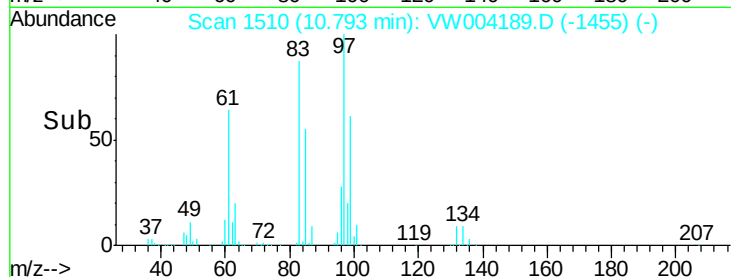
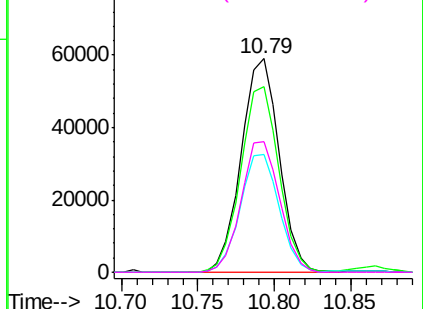
Abundance

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: 26.930 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004189.D
 Acq: 24 Jul 2018 21:06

Tgt Ion	164	Resp	100	184
Ion	Ratio	Lower	Upper	
164	100			
129	93.8	63.1	117.3	
131	91.9	62.8	116.6	
166	128.2	84.6	157.2	

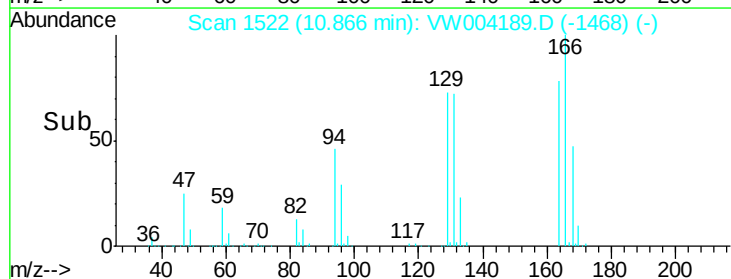
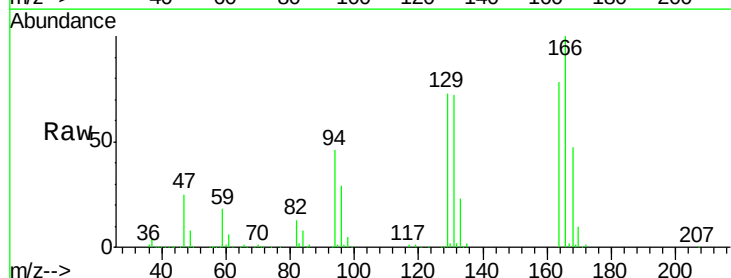
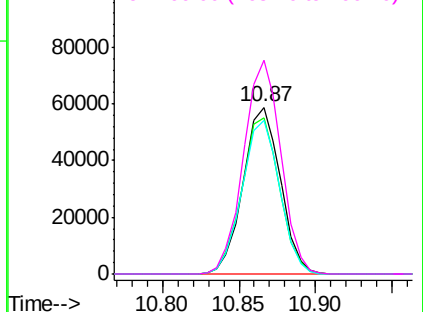
Abundance

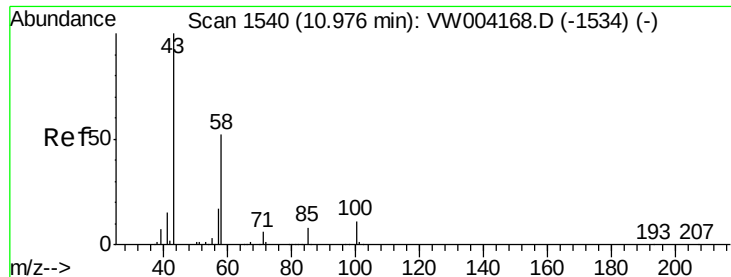
Ion 164.00 (163.70 to 164.70): V

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

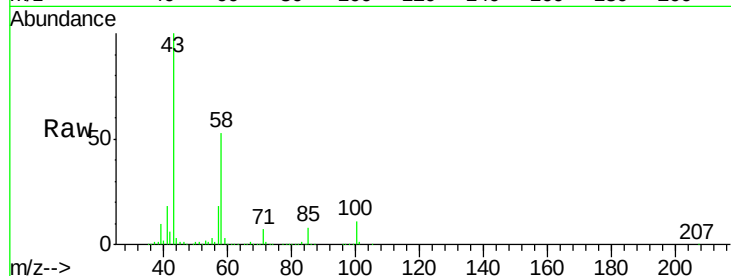




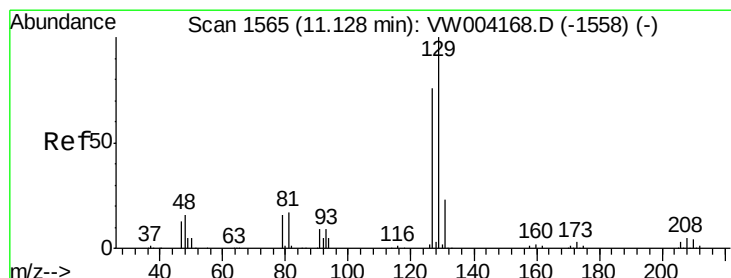
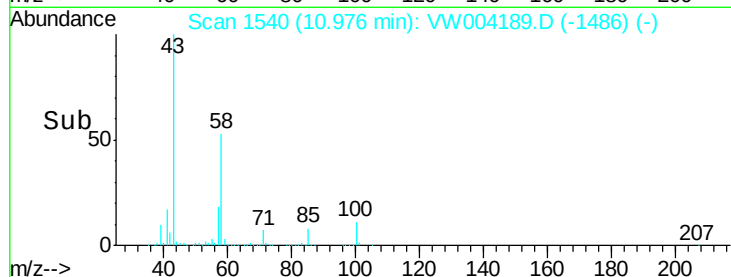
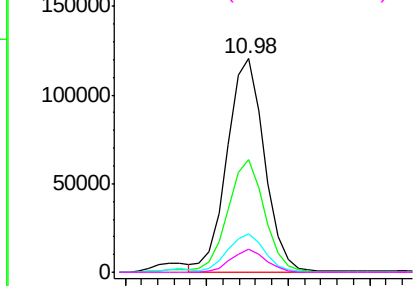
#49
2-Hexanone
Concen: 60.764 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004189.D
Acq: 24 Jul 2018 21:06

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.6	40.4	60.6
57	17.7	14.0	21.0
100	10.1	8.2	12.2

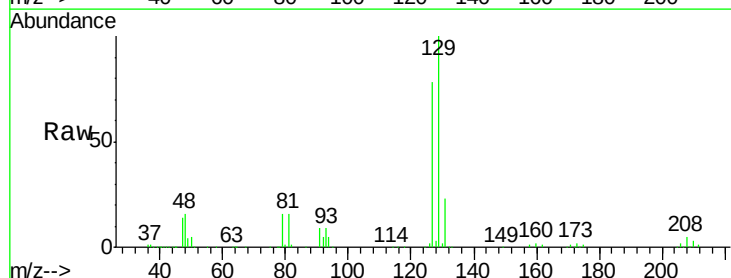


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

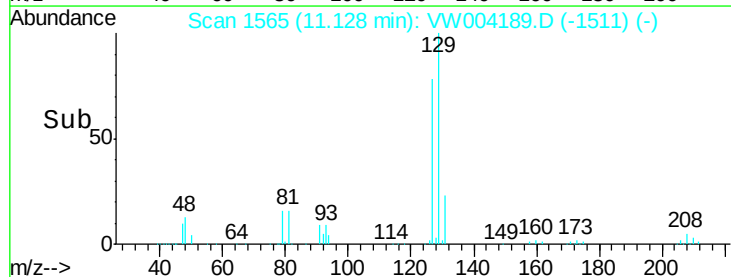
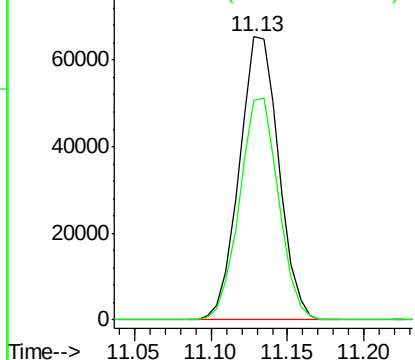


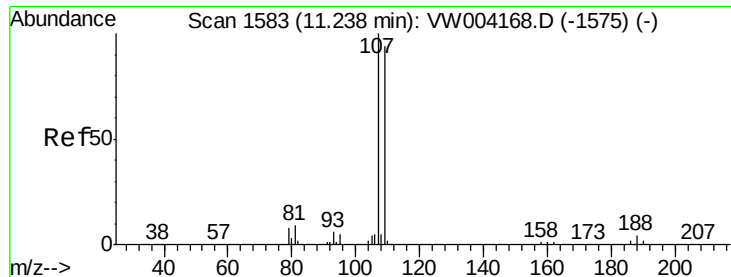
#50
Dibromochloromethane
Concen: 28.701 ug/L
RT: 11.13 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VW004189.D
Acq: 24 Jul 2018 21:06

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	56.1	104.3



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

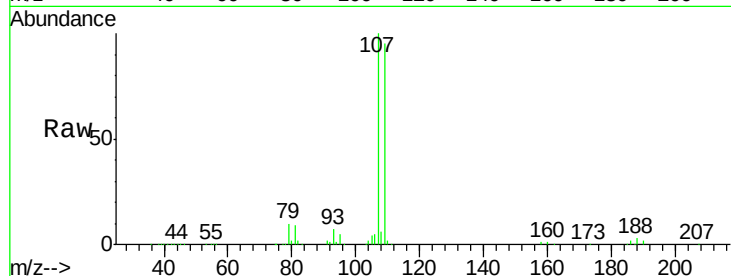




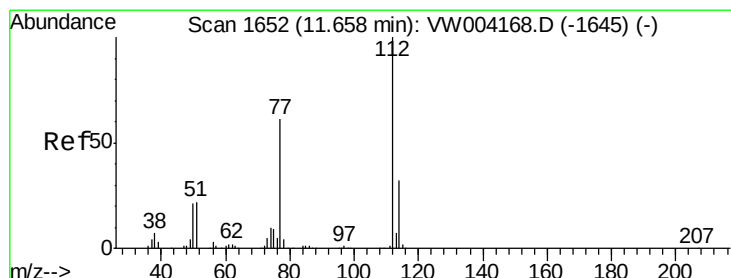
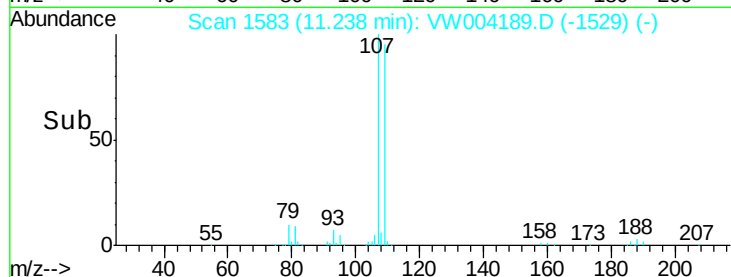
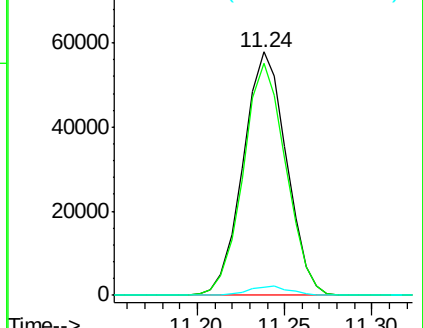
#51
1,2-Dibromoethane
Concen: 28.164 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VW004189.D
Acq: 24 Jul 2018 21:06

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	107	Resp	99913
Ion Ratio	Lower	Upper	
107	100		
109	95.4	65.2	121.0
188	3.5	2.9	4.3

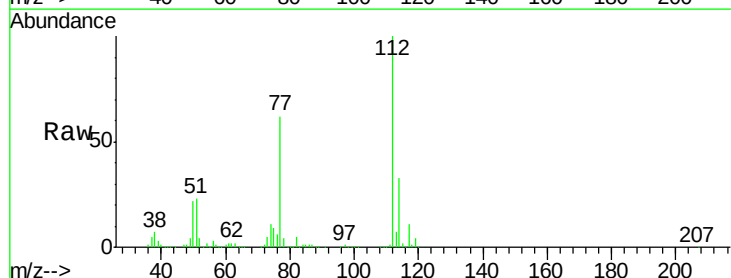


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

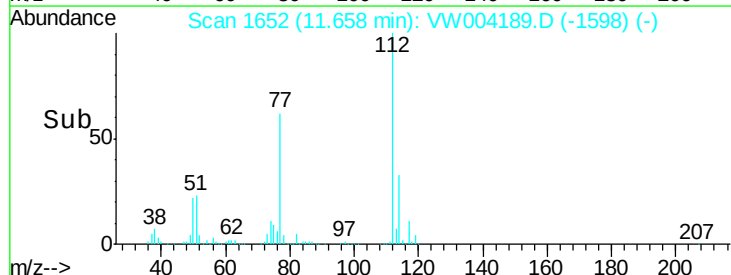
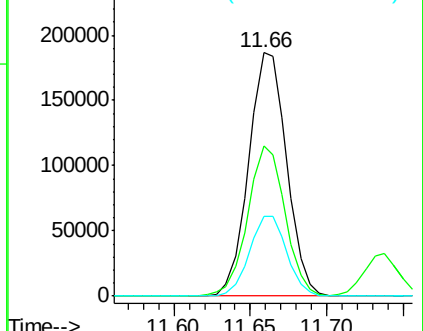


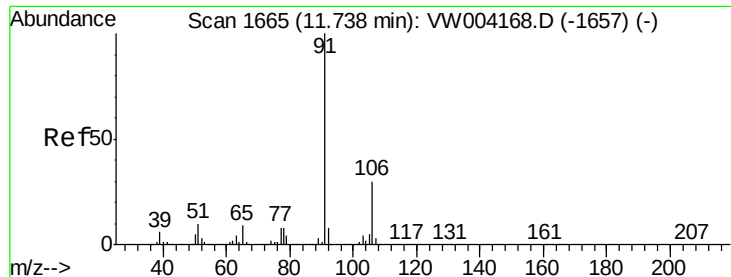
#52
Chlorobenzene
Concen: 27.811 ug/L
RT: 11.66 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VW004189.D
Acq: 24 Jul 2018 21:06

Tgt Ion	112	Resp	322127
Ion Ratio	Lower	Upper	
112	100		
77	61.5	47.7	71.5
114	32.5	22.2	41.2



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

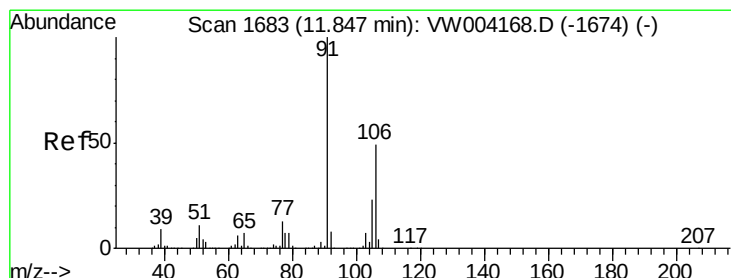
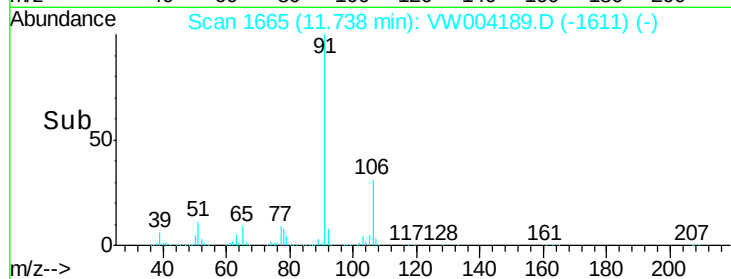
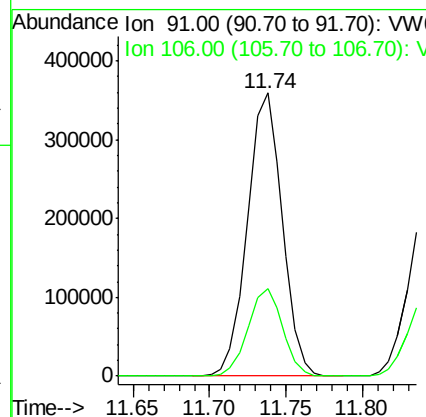
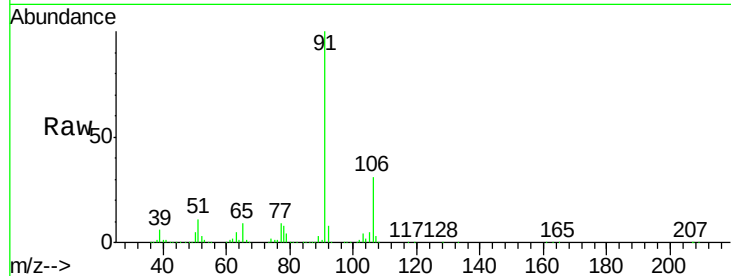




#53
Ethylbenzene
Concen: 29.051 ug/L
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004189.D
Acq: 24 Jul 2018 21:06

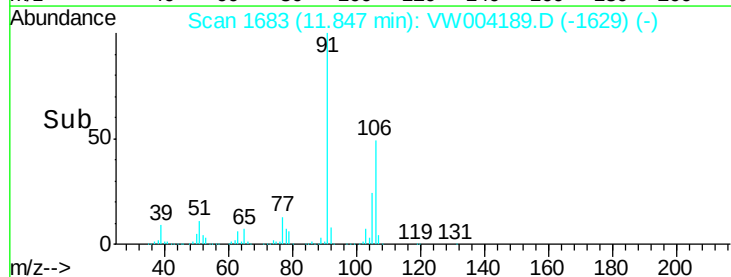
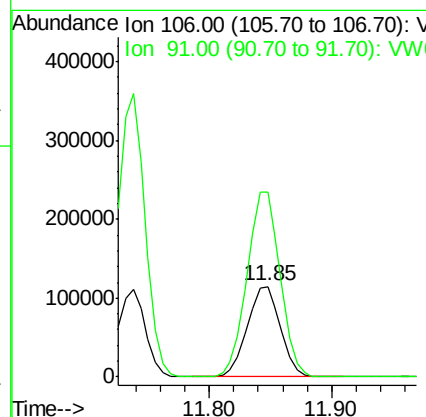
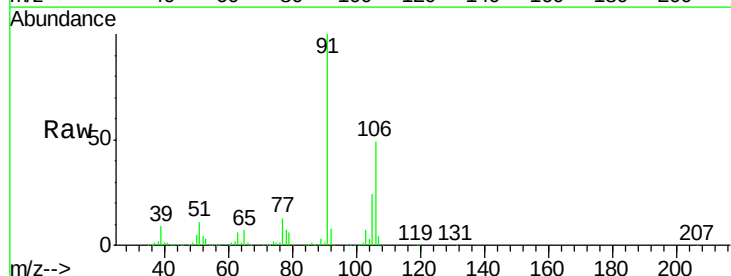
Instrument :
MSVOA_W
ClientSampled :

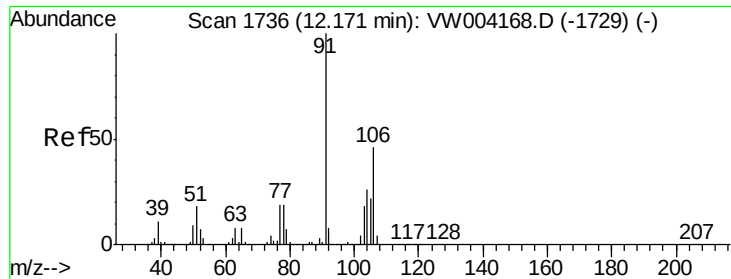
Tot Ion: 91 Resp: 568090
Ion Ratio Lower Upper
91 100
106 30.7 21.3 39.5



#54
m,p-Xylene
Concen: 29.794 ug/L
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004189.D
Acq: 24 Jul 2018 21:06

Tgt Ion: 106 Resp: 214733
Ion Ratio Lower Upper
106 100
91 204.1 142.1 263.9





#55

o-xylene

Concen: 29.214 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004189.D

Acq: 24 Jul 2018 21:06

Instrument :

MSVOA_W

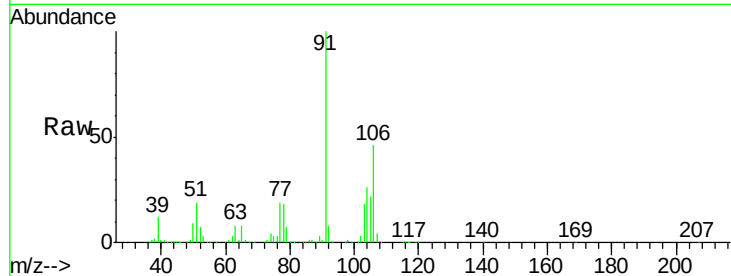
ClientSampled :

Tot Ion:106 Resp: 201394

Ion Ratio Lower Upper

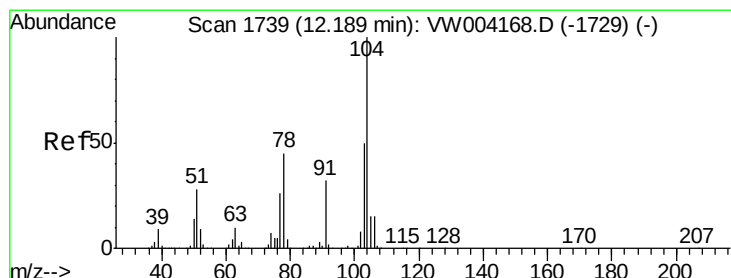
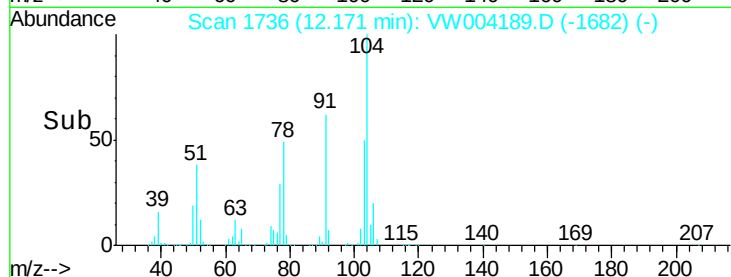
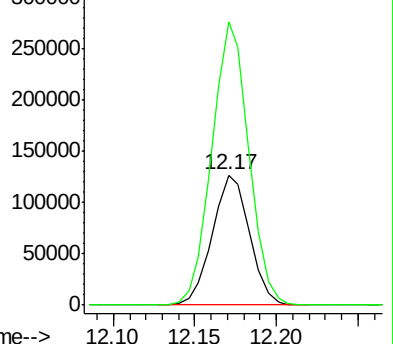
106 100

91 218.1 151.3 280.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 29.814 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW004189.D

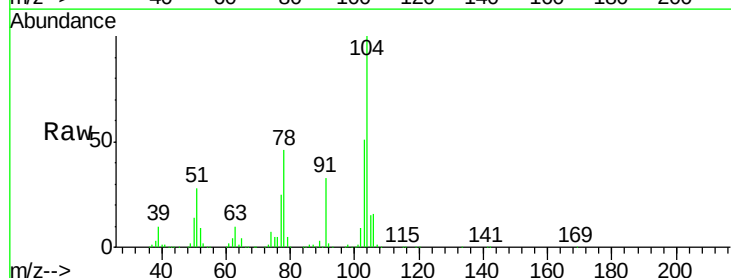
Acq: 24 Jul 2018 21:06

Tgt Ion:104 Resp: 355058

Ion Ratio Lower Upper

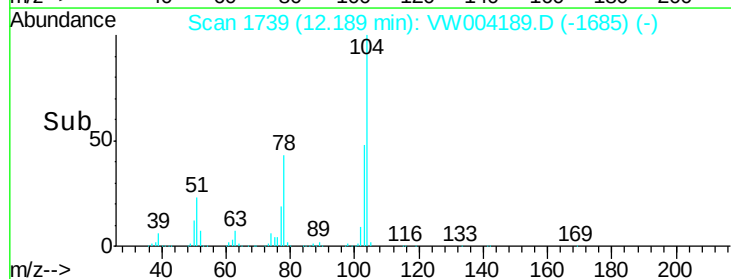
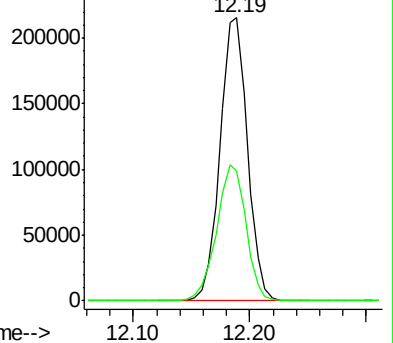
104 100

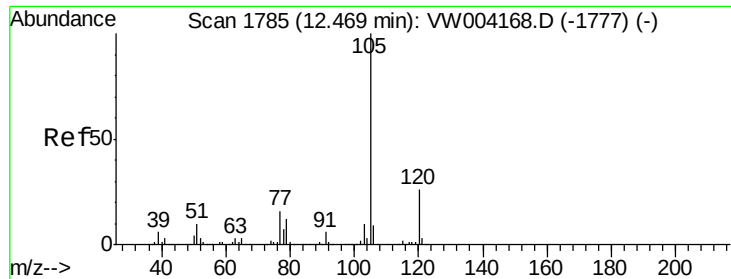
78 45.8 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 29.350 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004189.D

Acq: 24 Jul 2018 21:06

Instrument :

MSVOA_W

ClientSampleId :

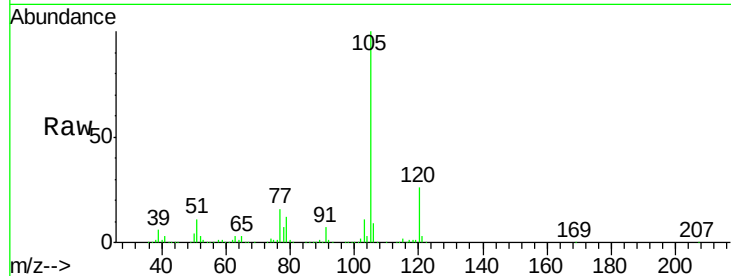
Tot Ion:105 Resp: 554742

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

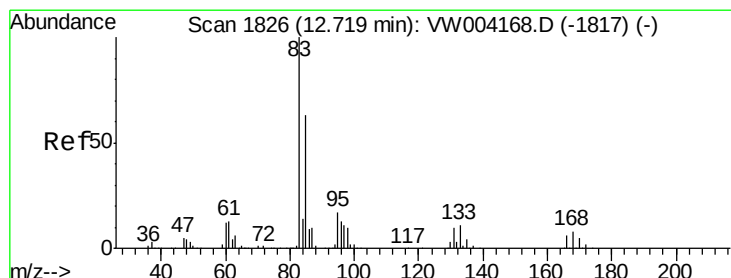
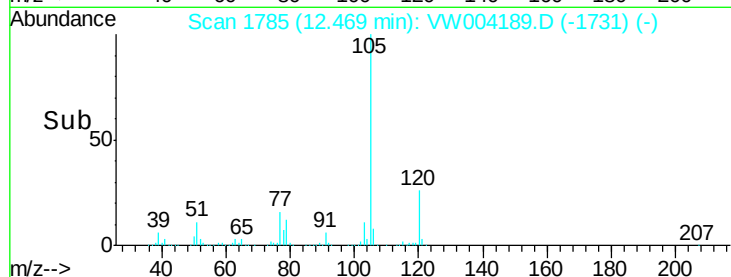
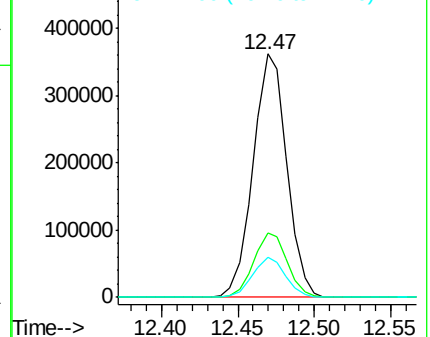
77 16.1 13.1 19.7



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: 28.597 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004189.D

Acq: 24 Jul 2018 21:06

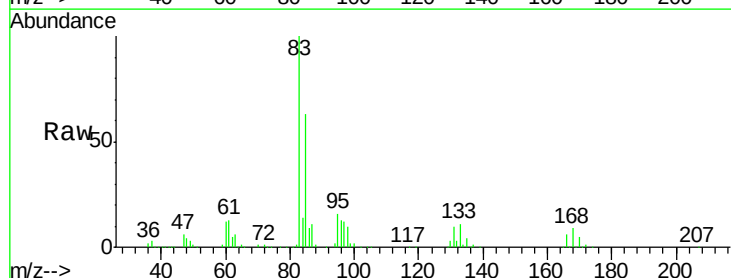
Tgt Ion: 83 Resp: 148471

Ion Ratio Lower Upper

83 100

85 63.5 44.7 83.1

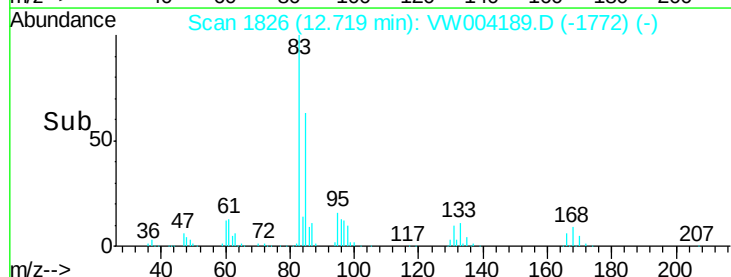
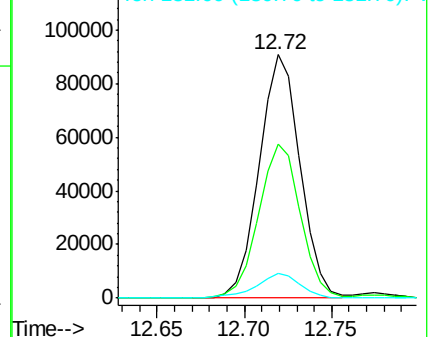
131 10.1 7.8 11.6

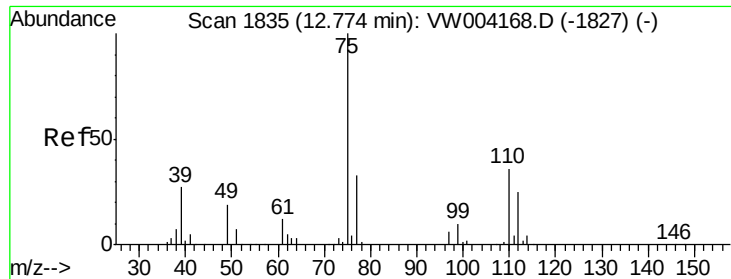


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 28.725 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004189.D

Acq: 24 Jul 2018 21:06

Instrument :

MSVOA_W

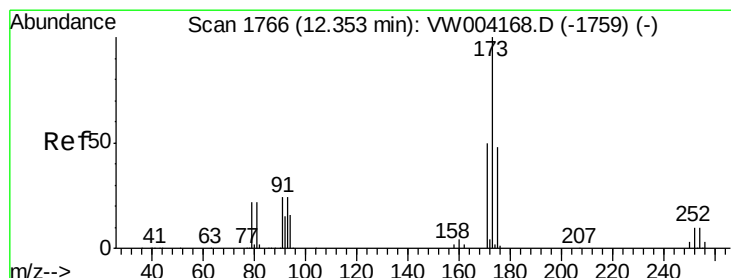
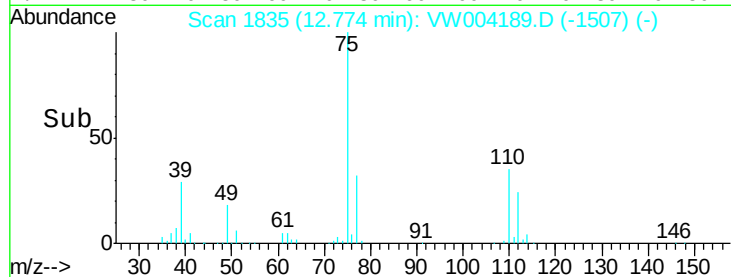
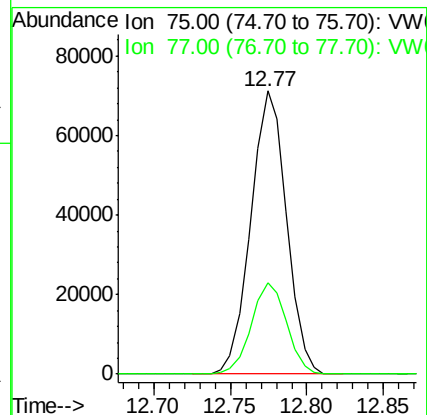
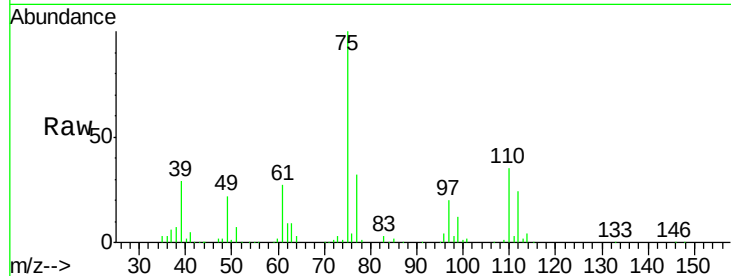
ClientSampleId :

Tot Ion: 75 Resp: 115446

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0



#62

Bromoform

Concen: 27.813 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004189.D

Acq: 24 Jul 2018 21:06

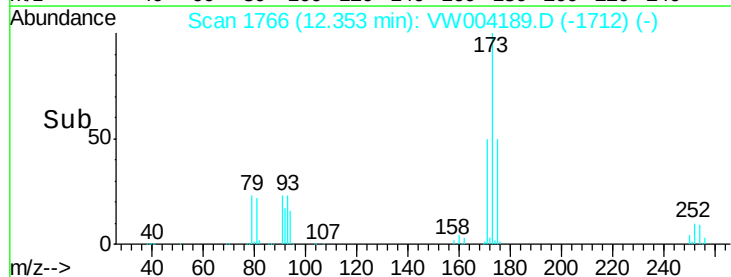
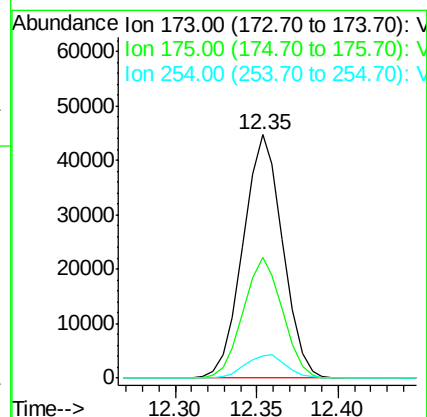
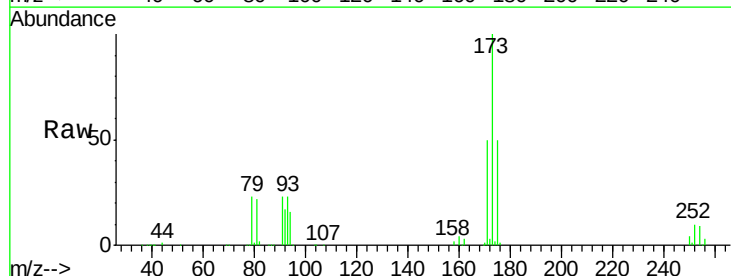
Tgt Ion: 173 Resp: 75625

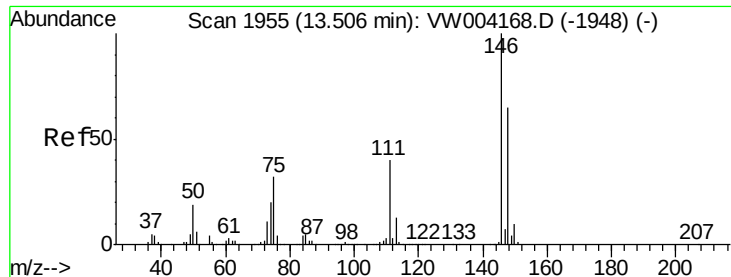
Ion Ratio Lower Upper

173 100

175 49.2 39.4 59.0

254 9.8 7.4 11.2





#63

1,3-Dichlorobenzene

Concen: 27.304 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004189.D

Acq: 24 Jul 2018 21:06

Instrument :

MSVOA_W

ClientSampleId :

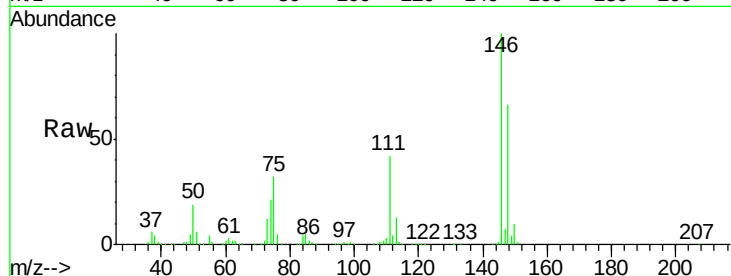
Tot Ion:146 Resp: 242295

Ion Ratio Lower Upper

146 100

111 41.5 27.9 51.7

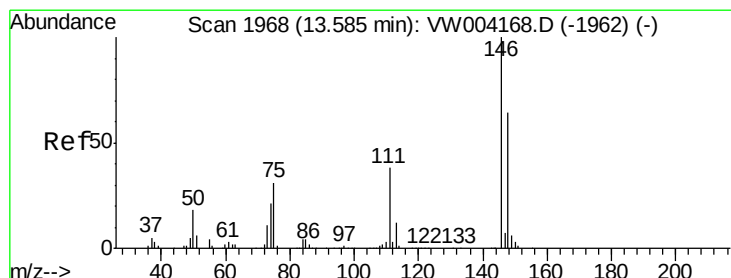
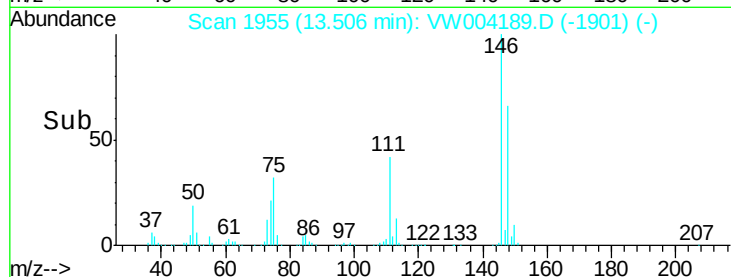
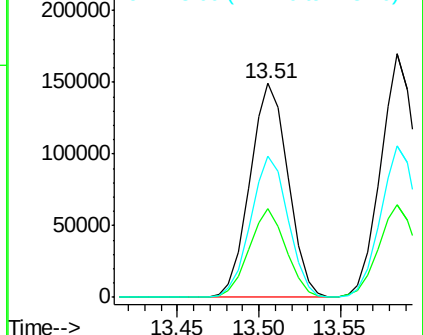
148 65.7 44.2 82.0



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



#64

1,4-Dichlorobenzene

Concen: 27.454 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW004189.D

Acq: 24 Jul 2018 21:06

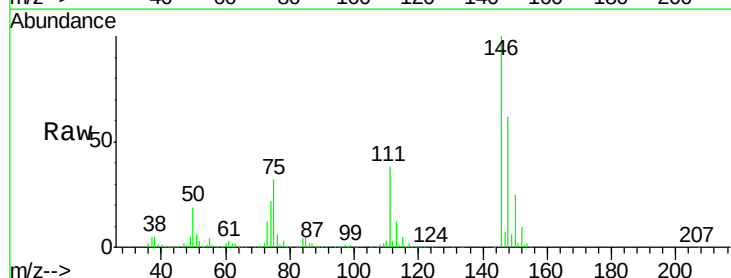
Tgt Ion:146 Resp: 261220

Ion Ratio Lower Upper

146 100

111 38.1 26.8 49.8

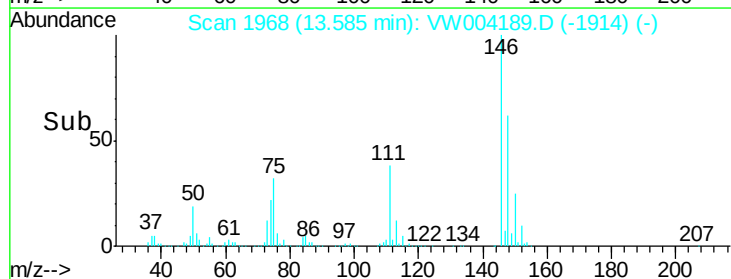
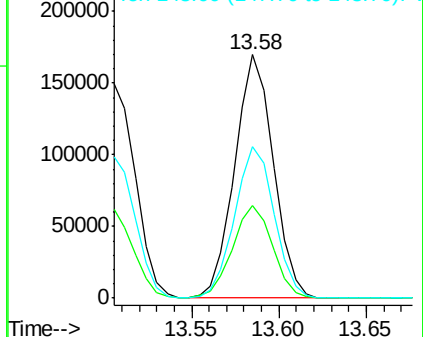
148 62.1 44.3 82.3

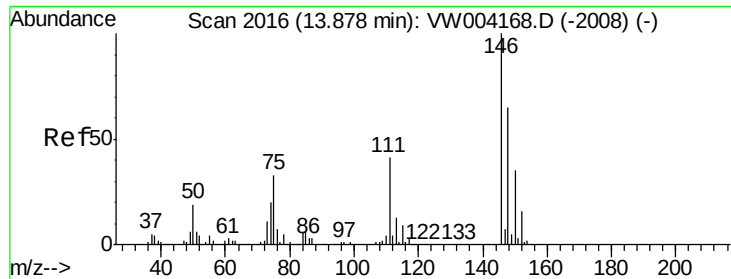


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

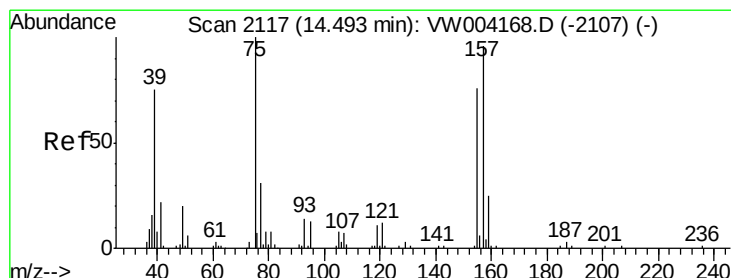
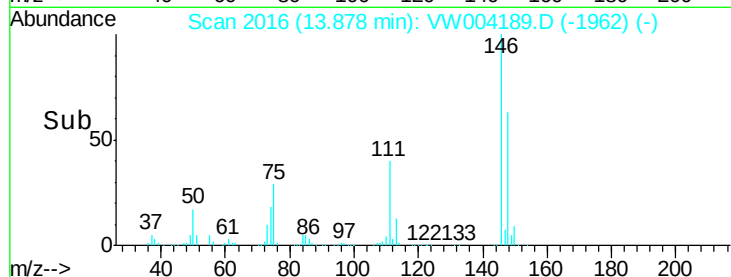
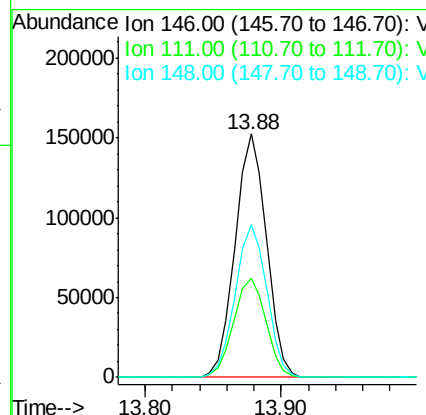
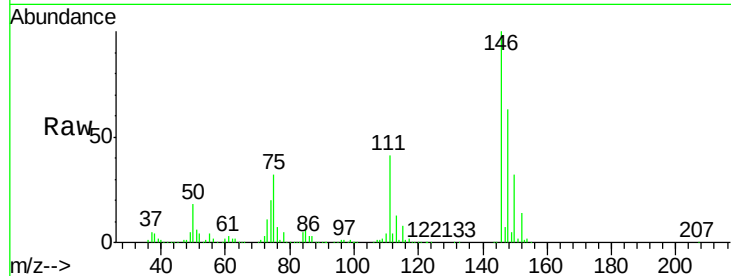




#65
 1,2-Dichlorobenzene
 Concen: 28.286 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004189.D
 Acq: 24 Jul 2018 21:06

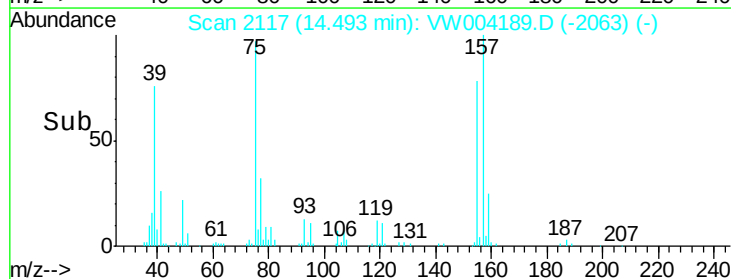
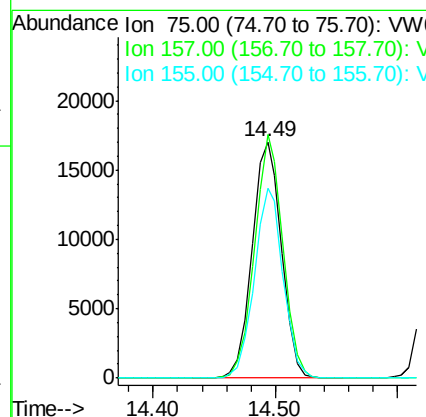
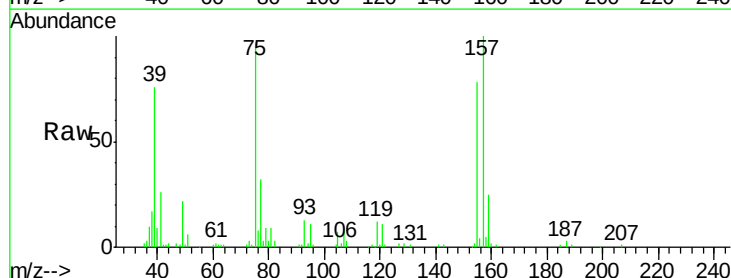
Instrument :
 MSVOA_W
 ClientSampleId :

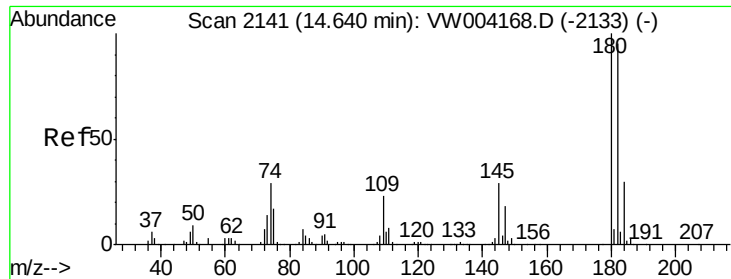
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	33.2	49.8
148	62.9	51.0	76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.001 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004189.D
 Acq: 24 Jul 2018 21:06

Tgt Ion	Ratio	Lower	Upper
75	100		
157	103.1	77.9	116.9
155	80.2	61.8	92.8

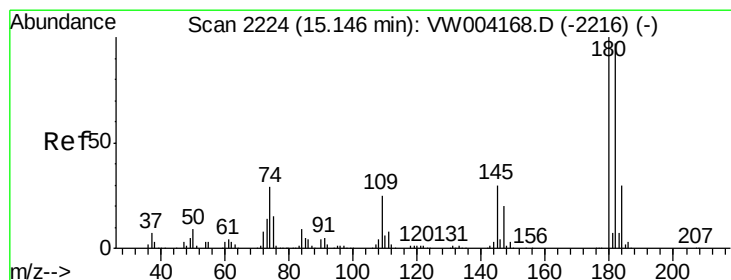
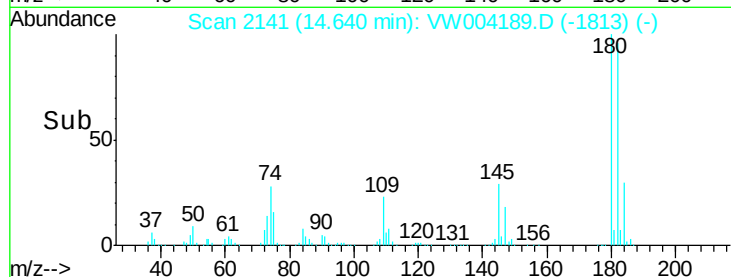
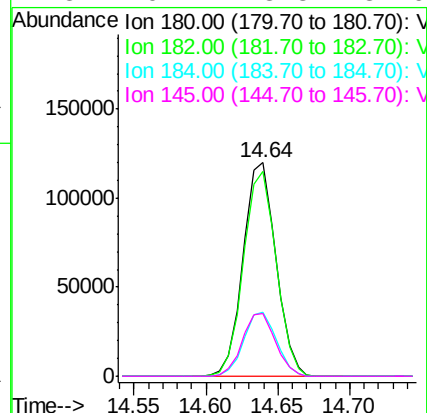
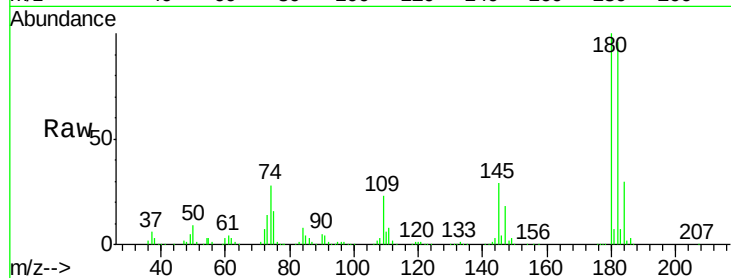




#67
 1,3,5-Trichlorobenzene
 Concen: 27.074 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004189.D
 Acq: 24 Jul 2018 21:06

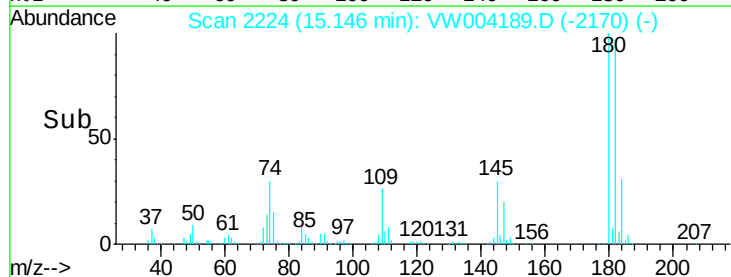
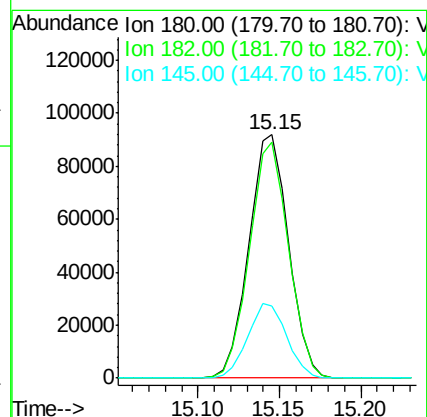
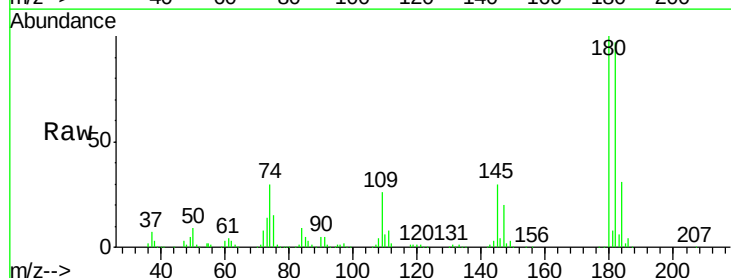
Instrument :
 MSVOA_W
 ClientSampleId :

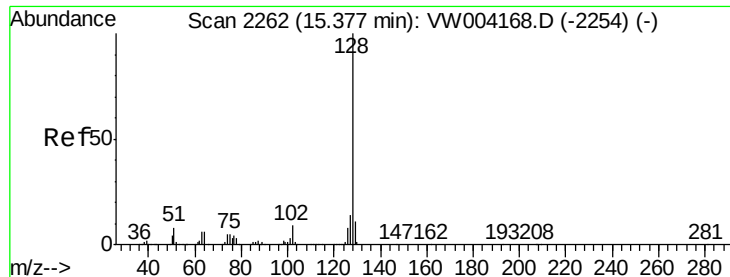
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.5	113.3
184	30.1	24.0	36.0
145	29.7	23.3	34.9



#68
 1,2,4-trichlorobenzene
 Concen: 27.575 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004189.D
 Acq: 24 Jul 2018 21:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.8	116.6
145	30.2	24.4	36.6





#69

Naphthalene

Concen: 30.838 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004189.D

Acq: 24 Jul 2018 21:06

Instrument :

MSVOA_W

ClientSampleId :

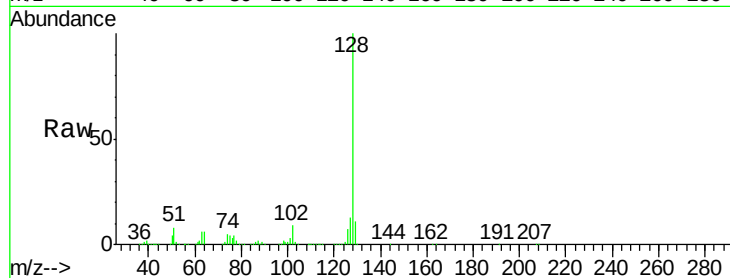
Tot Ion:128 Resp: 390718

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

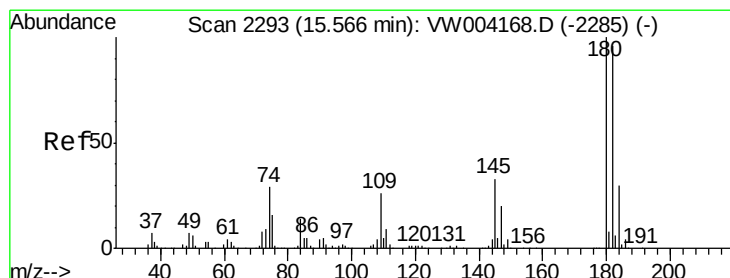
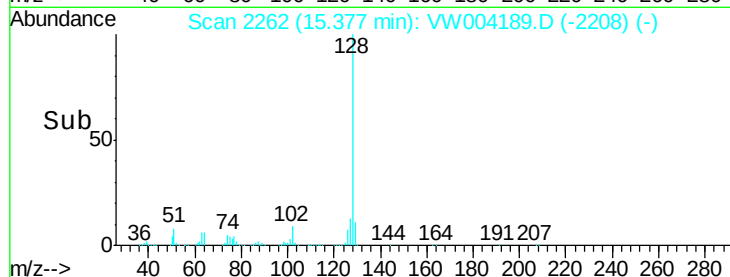
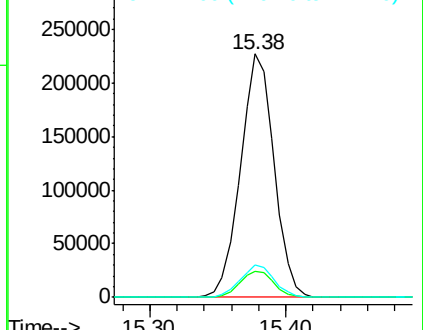
127 13.5 10.9 16.3



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: 29.592 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004189.D

Acq: 24 Jul 2018 21:06

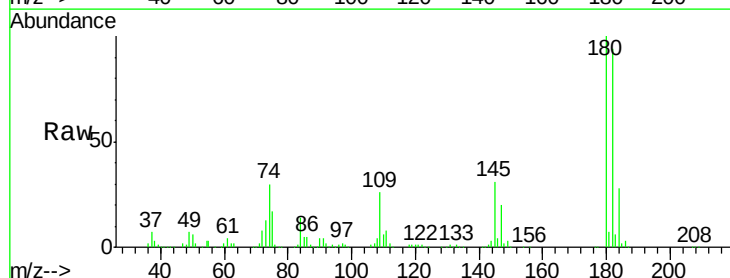
Tgt Ion:180 Resp: 158438

Ion Ratio Lower Upper

180 100

182 94.6 76.6 115.0

145 31.9 25.3 37.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

