

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082318\
 Data File : VW004937.D
 Acq On : 24 Aug 2018 15:33
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

Quant Time: Aug 24 23:10:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 08:18:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	597819	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	612647	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	318872	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	234632	20.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.08%
7) Chloroethane-d5	2.89	69	182198	21.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.00%
10) 1,1-Dichloroethene-d2	4.03	63	314009	21.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.04%
20) 2-Butanone-d5	7.09	46	121967	53.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.08%
24) Chloroform-d	7.66	84	306952	23.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.52%
26) 1,2-Dichloroethane-d4	8.31	65	172677	23.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.76%
29) Benzene-d6	8.28	84	768301	24.38	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.52%
33) 1,2-Dichloropropane-d6	9.28	67	220759	23.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.36%
37) Toluene-d8	10.33	98	810634	24.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.12%
38) trans-1,3-Dichloropropene-	10.59	79	94605	23.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.00%
39) 2-Hexanone-d5	10.93	63	127878	55.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.50%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	242150	26.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	307799	24.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.12%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	279465	24.851	ug/L 99
3) Chloromethane	2.22	50	319806	25.094	ug/L 100
5) Vinyl chloride	2.36	62	322665	24.998	ug/L 100
6) Bromomethane	2.78	94	182574	27.001	ug/L 99
8) Chloroethane	2.92	64	180875	25.075	ug/L 96
9) Trichlorofluoromethane	3.26	101	320434	24.532	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	198483	25.403	ug/L 99
12) 1,1-Dichloroethene	4.04	96	171760	24.678	ug/L 95
13) Acetone	4.15	43	88263	49.550	ug/L 99
14) Carbon disulfide	4.39	76	687817	23.850	ug/L 100
15) Methyl Acetate	4.68	43	110144	27.346	ug/L 98
16) Methylene chloride	4.92	84	262203	22.619	ug/L 97
17) Methyl tert-butyl Ether	5.44	73	418561	27.841	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	185750	25.630	ug/L 93
19) 1,1-Dichloroethane	6.23	63	330722	24.999	ug/L 96
21) 2-Butanone	7.18	43	148798	54.249	ug/L 99
22) cis-1,2-Dichloroethene	7.18	96	197353	25.235	ug/L 100

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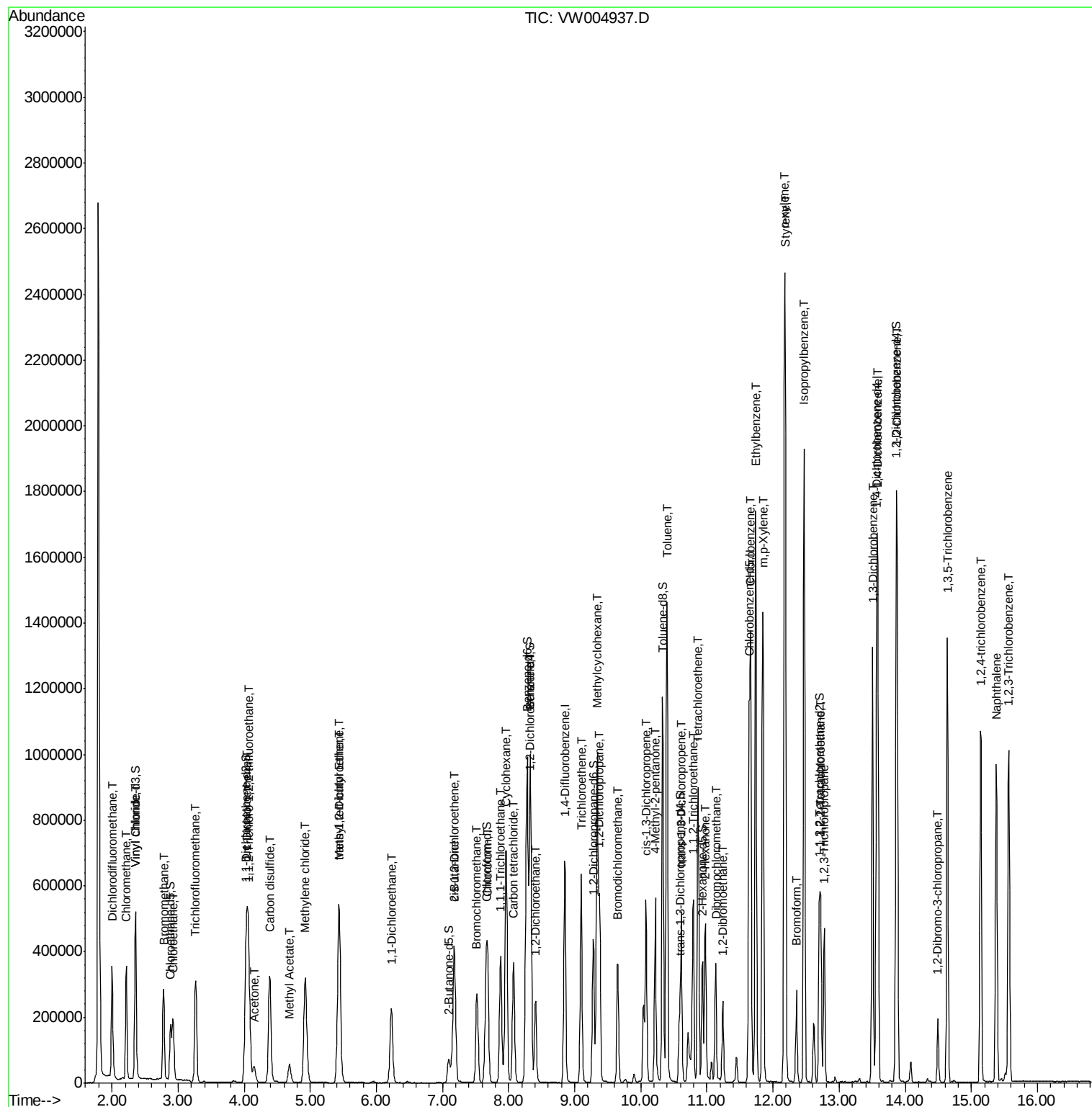
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	104751	25.365	ug/L	98
25) Chloroform	7.68	83	339359	25.594	ug/L	99
27) 1,2-Dichloroethane	8.41	62	223460	25.712	ug/L	98
30) Cyclohexane	7.96	56	353643	27.117	ug/L	97
31) 1,1,1-Trichloroethane	7.88	97	313093	26.533	ug/L	99
32) Carbon tetrachloride	8.07	117	283312	26.842	ug/L	98
34) Benzene	8.33	78	919478	26.322	ug/L	100
35) Trichloroethene	9.10	95	225722	25.986	ug/L	99
36) Methylcyclohexane	9.34	83	407522	25.365	ug/L	99
40) 1,2-Dichloropropane	9.38	63	225411	26.232	ug/L	99
41) Bromodichloromethane	9.65	83	252041	26.619	ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	316252	26.513	ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	365210	57.574	ug/L	99
44) Toluene	10.40	91	1115956	26.602	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	287258	26.553	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	179191	26.716	ug/L	98
47) Tetrachloroethene	10.87	164	221251	26.018	ug/L	98
49) 2-Hexanone	10.98	43	296298	60.444	ug/L	99
50) Dibromochloromethane	11.13	129	198045	26.596	ug/L	100
51) 1,2-Dibromoethane	11.24	107	174942	26.571	ug/L	98
52) Chlorobenzene	11.66	112	718645	25.788	ug/L	99
53) Ethylbenzene	11.74	91	1245068	26.376	ug/L	97
54) m,p-Xylene	11.85	106	489376	26.723	ug/L	98
55) o-xylene	12.17	106	456071	26.654	ug/L	97
56) Styrene	12.19	104	799844	27.207	ug/L	100
57) Isopropylbenzene	12.47	105	1229543	26.903	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	262246	27.434	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	202049	27.430	ug/L	99
62) Bromoform	12.35	173	135713	26.843	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	571059	25.994	ug/L	96
64) 1,4-Dichlorobenzene	13.59	146	590417	25.671	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	557895	26.504	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	48353	27.088	ug/L	98
67) 1,3,5-Trichlorobenzene	14.64	180	468453	26.649	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	381996	26.914	ug/L	100
69) Naphthalene	15.38	128	844142	29.260	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	376339	28.151	ug/L	99

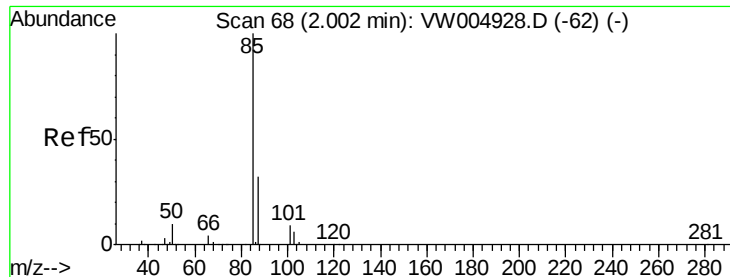
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.851 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW004937.D

Acq: 24 Aug 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

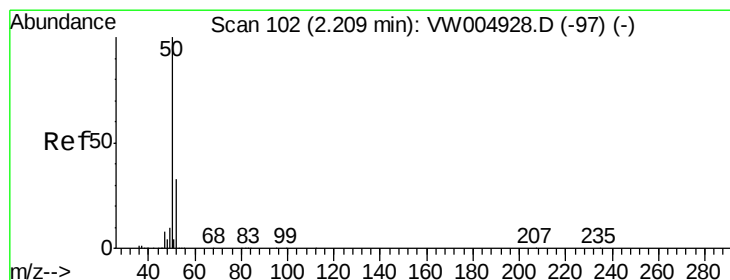
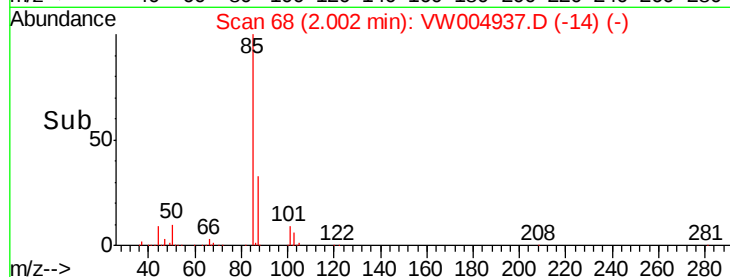
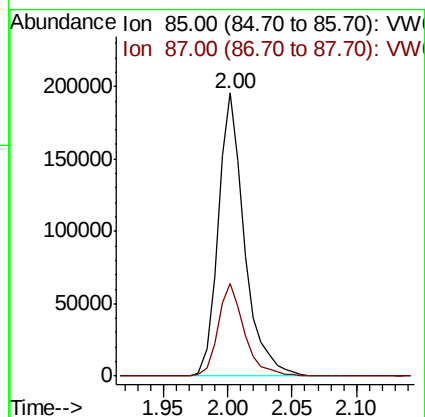
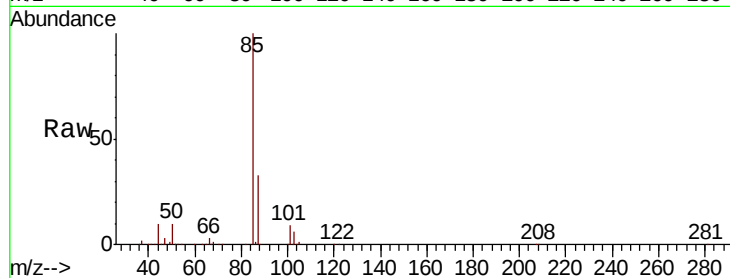
VSTD02590

Tgt Ion: 85 Resp: 279465

Ion Ratio Lower Upper

85 100

87 32.9 22.6 42.0



#3

Chloromethane

Concen: 25.094 ug/L

RT: 2.22 min Scan# 103

Delta R.T. 0.01 min

Lab File: VW004937.D

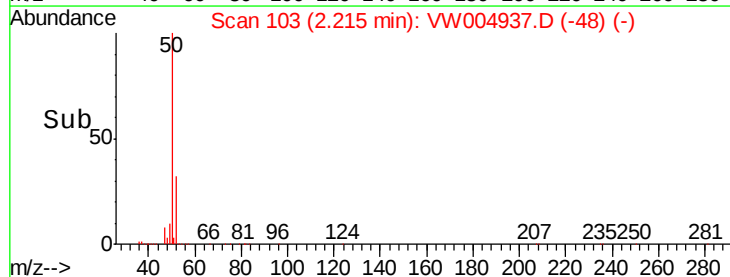
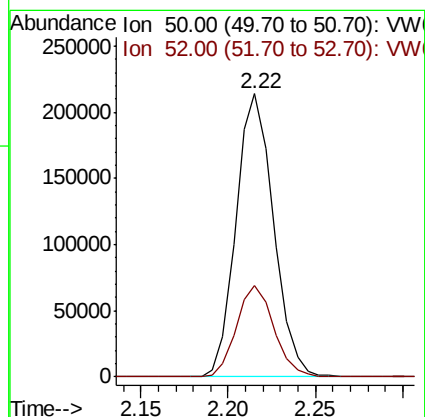
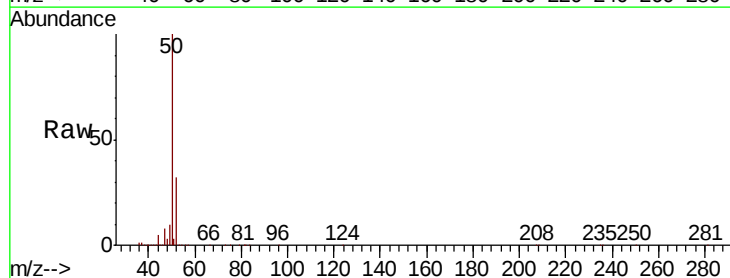
Acq: 24 Aug 2018 15:33

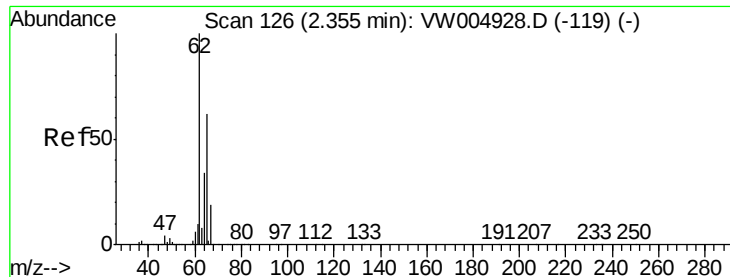
Tgt Ion: 50 Resp: 319806

Ion Ratio Lower Upper

50 100

52 32.4 22.5 41.9





#5

Vinyl chloride

Concen: 24.998 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW004937.D

Acq: 24 Aug 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

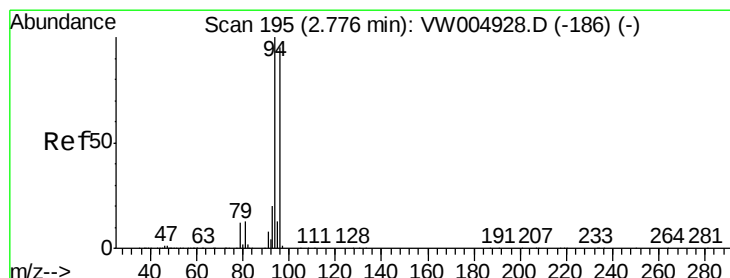
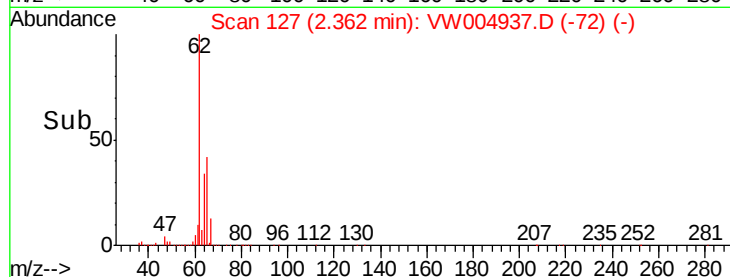
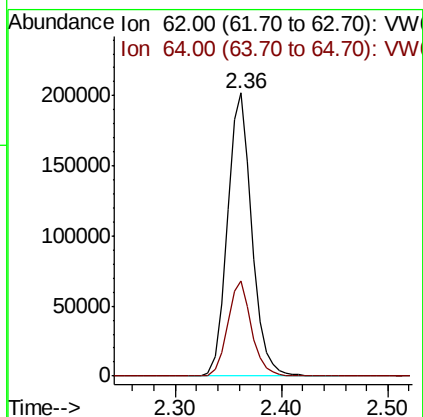
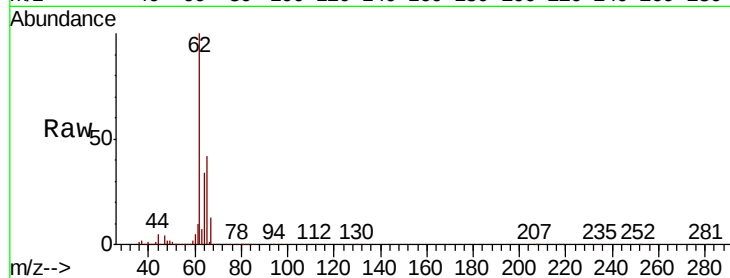
VSTD02590

Tgt Ion: 62 Resp: 322665

Ion Ratio Lower Upper

62 100

64 33.5 23.3 43.3



#6

Bromomethane

Concen: 27.001 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW004937.D

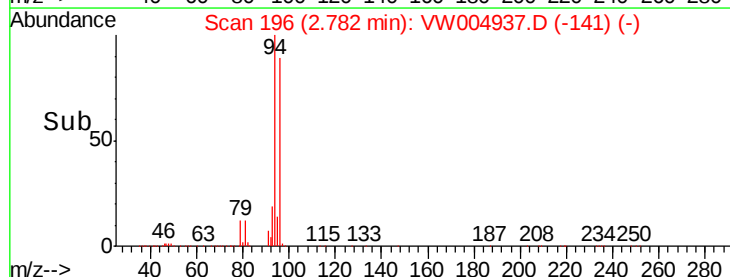
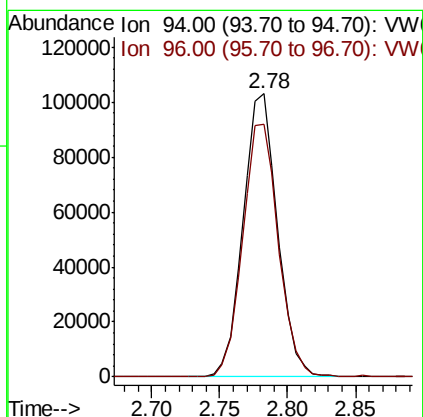
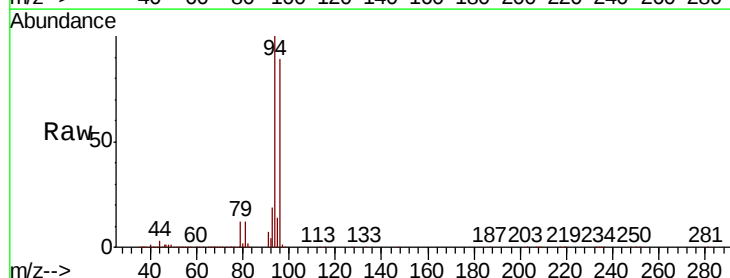
Acq: 24 Aug 2018 15:33

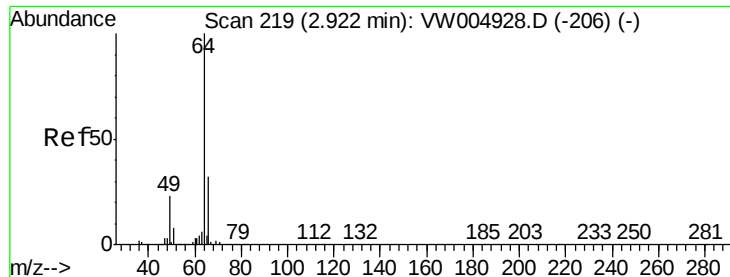
Tgt Ion: 94 Resp: 182574

Ion Ratio Lower Upper

94 100

96 92.6 9.3 177.7





#8

Chloroethane

Concen: 25.075 ug/L

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004937.D

Acq: 24 Aug 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

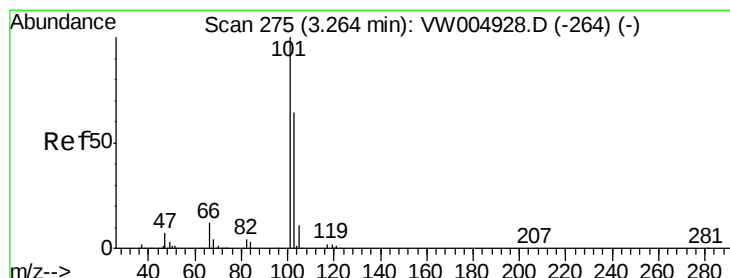
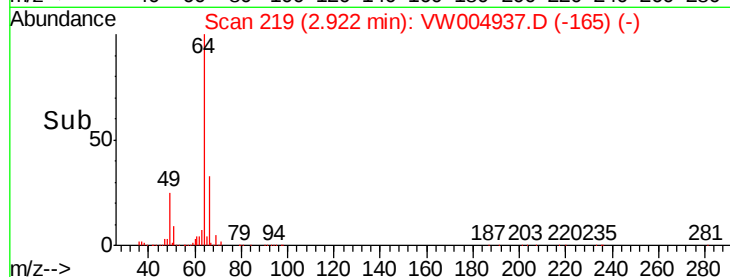
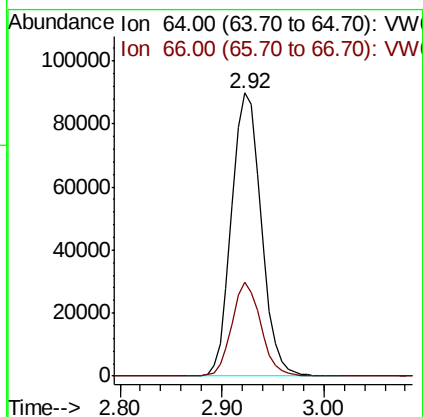
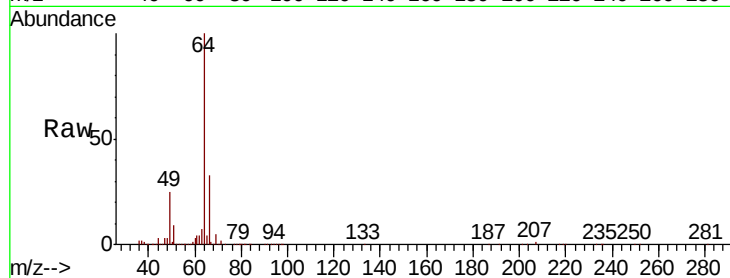
VSTD02590

Tgt Ion: 64 Resp: 180875

Ion Ratio Lower Upper

64 100

66 33.1 21.5 39.9



#9

Trichlorofluoromethane

Concen: 24.532 ug/L

RT: 3.26 min Scan# 275

Delta R.T. 0.00 min

Lab File: VW004937.D

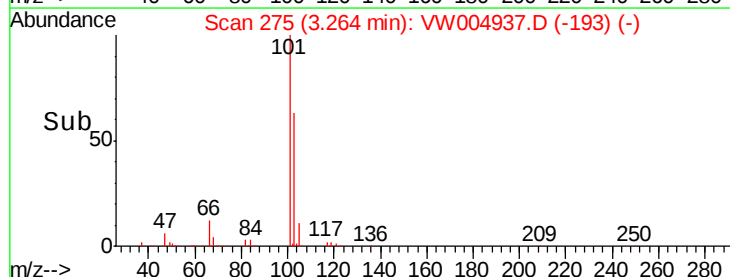
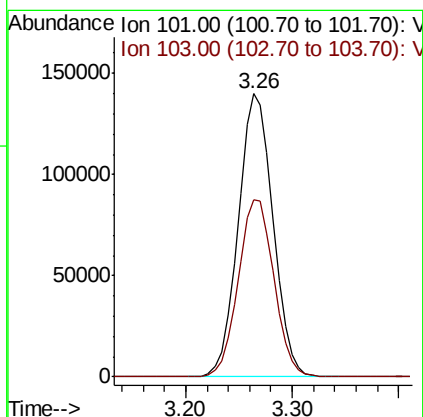
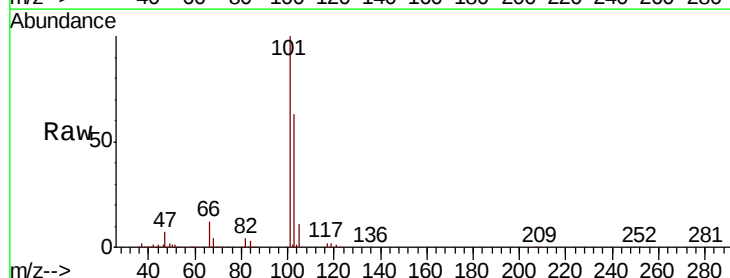
Acq: 24 Aug 2018 15:33

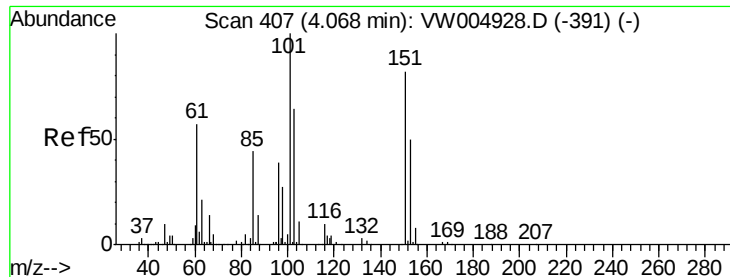
Tgt Ion: 101 Resp: 320434

Ion Ratio Lower Upper

101 100

103 64.4 45.1 83.7





#11

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

Concen: 25.403 ug/L

RT: 4.07 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW004937.D

Acq: 24 Aug 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02590

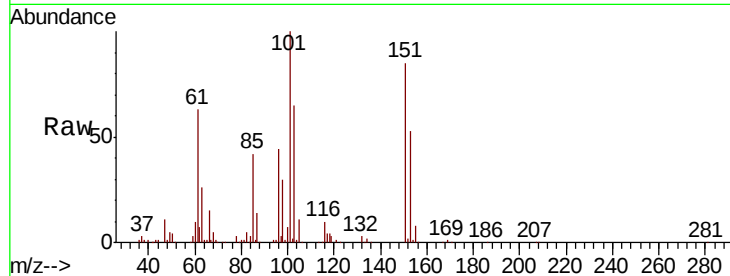
Tgt Ion:101 Resp: 198483

Ion Ratio Lower Upper

101 100

85 41.6 34.2 51.2

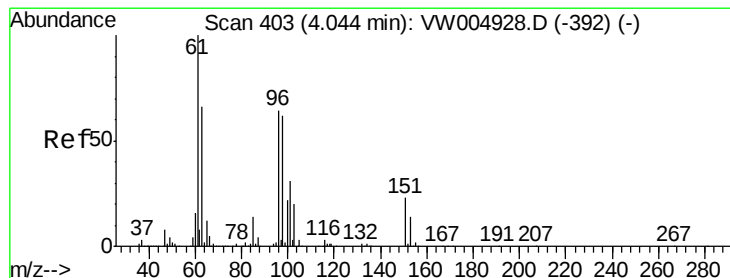
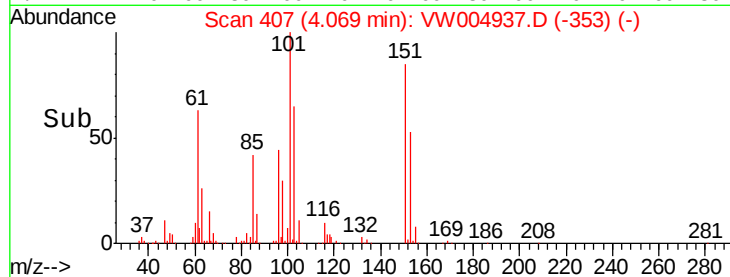
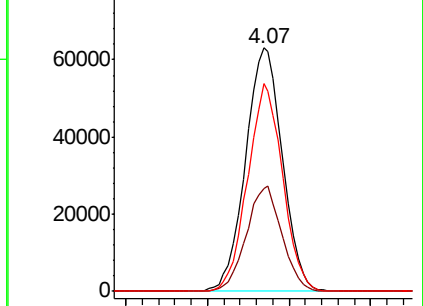
151 81.1 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.678 ug/L

RT: 4.04 min Scan# 403

Delta R.T. 0.00 min

Lab File: VW004937.D

Acq: 24 Aug 2018 15:33

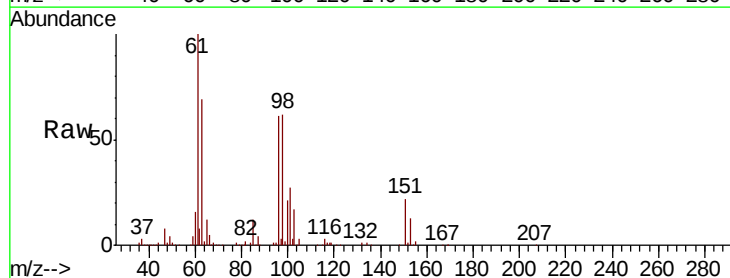
Tgt Ion: 96 Resp: 171760

Ion Ratio Lower Upper

96 100

61 162.8 107.0 198.8

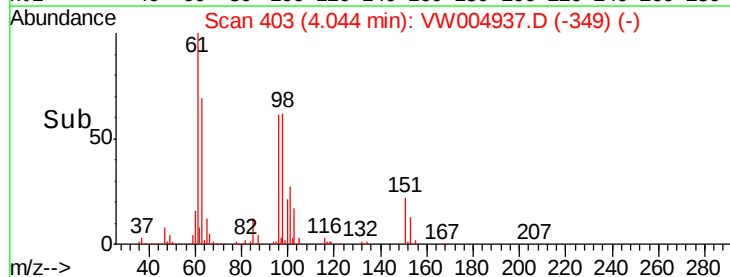
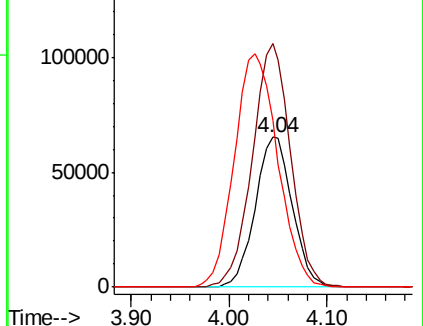
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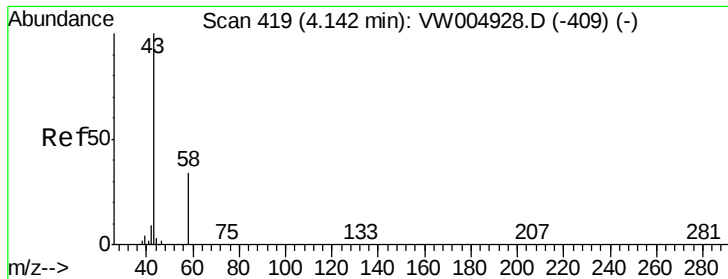


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

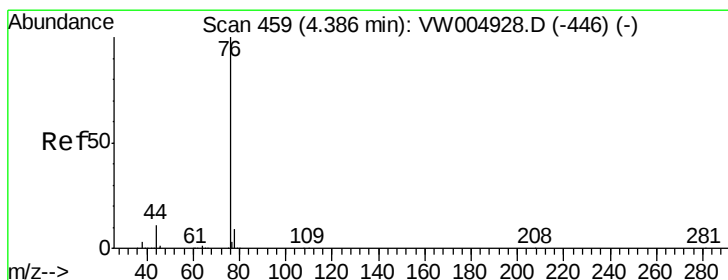
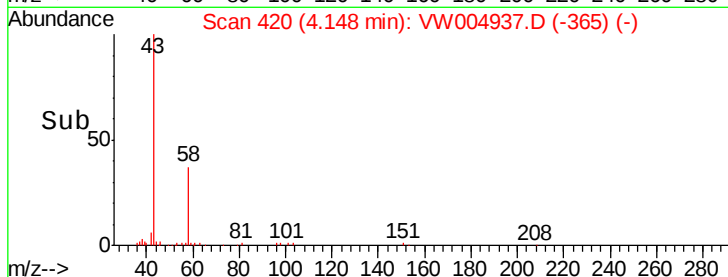
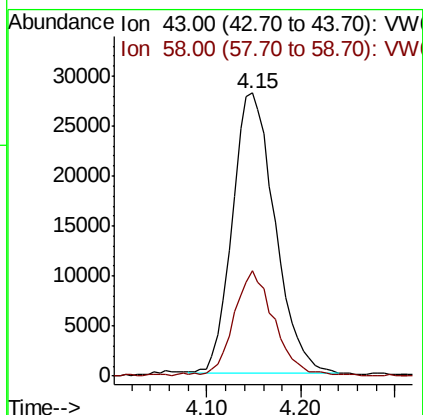
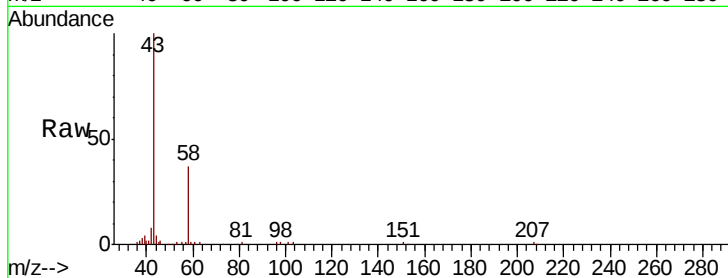




#13
Acetone
Concen: 49.550 ug/L
RT: 4.15 min Scan# 420
Delta R.T. 0.01 min
Lab File: VW004937.D
Acq: 24 Aug 2018 15:33

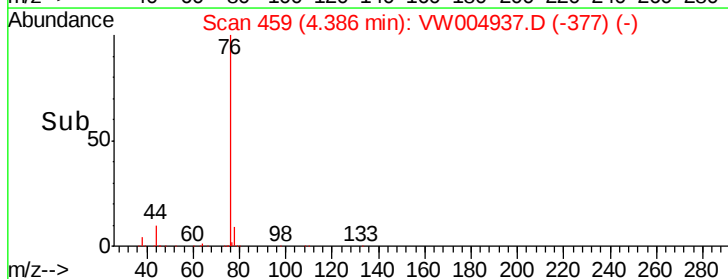
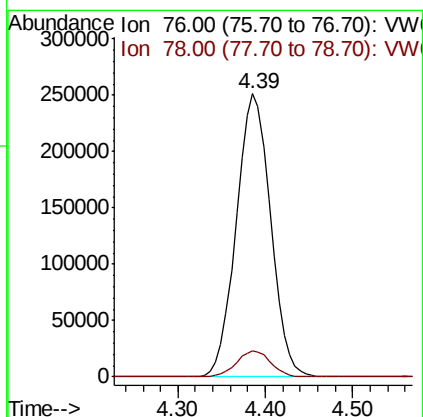
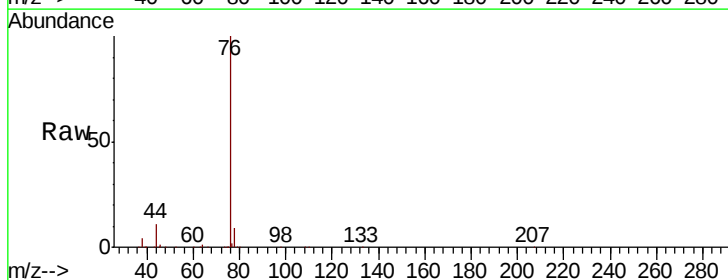
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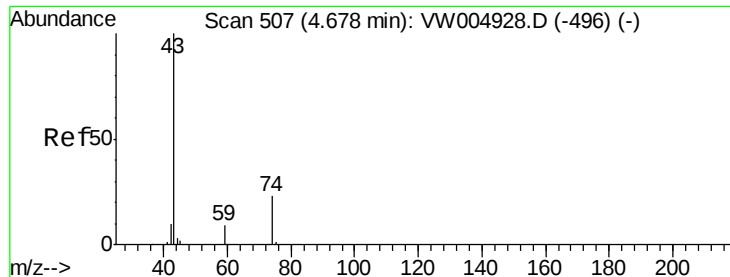
Tgt Ion: 43 Resp: 88263
Ion Ratio Lower Upper
43 100
58 35.0 0.0 69.4



#14
Carbon disulfide
Concen: 23.850 ug/L
RT: 4.39 min Scan# 459
Delta R.T. 0.00 min
Lab File: VW004937.D
Acq: 24 Aug 2018 15:33

Tgt Ion: 76 Resp: 687817
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

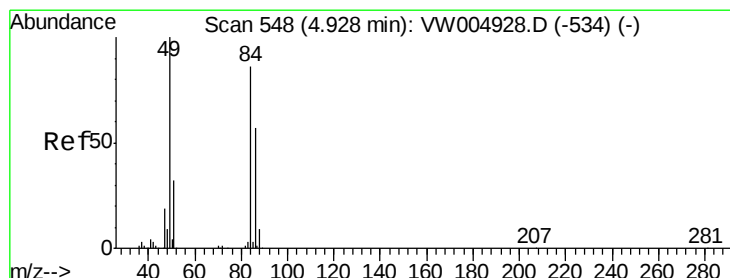
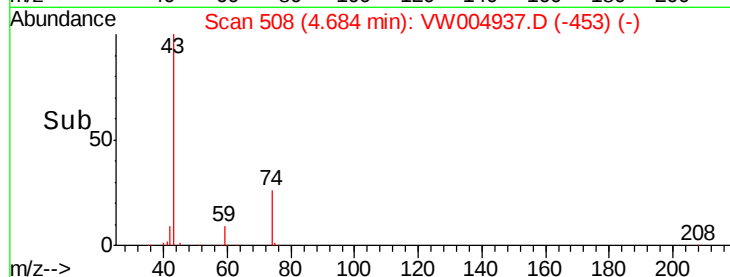
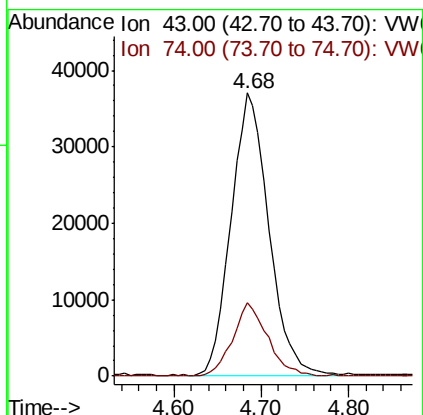
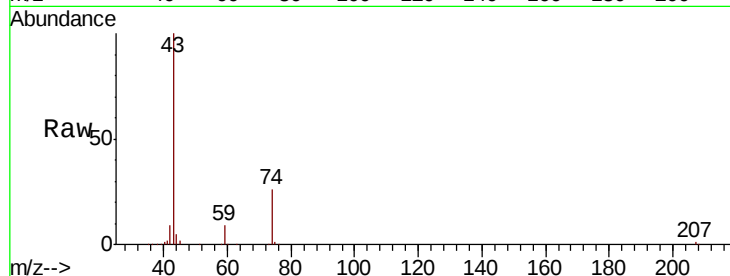




#15
Methyl Acetate
Concen: 27.346 ug/L
RT: 4.68 min Scan# 508
Delta R.T. 0.01 min
Lab File: VW004937.D
Acq: 24 Aug 2018 15:33

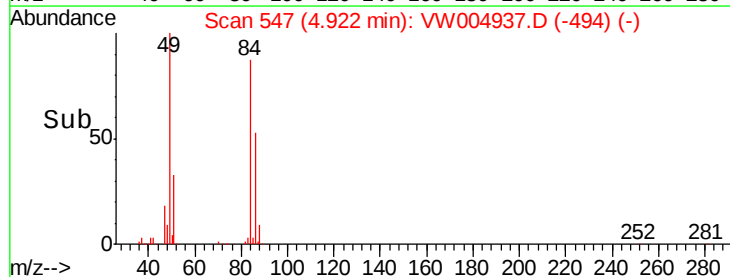
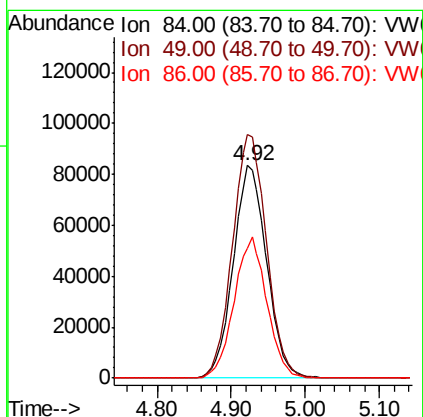
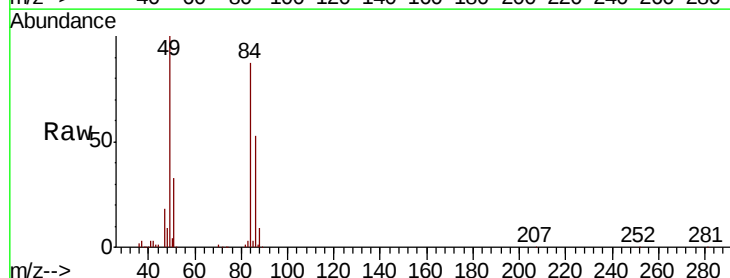
Instrument :
MSVOA_W
ClientSampleId :
VSTD02590

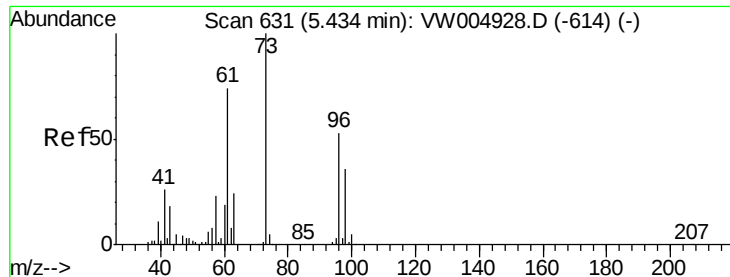
Tgt Ion: 43 Resp: 110144
Ion Ratio Lower Upper
43 100
74 24.2 18.6 27.8



#16
Methylene chloride
Concen: 22.619 ug/L
RT: 4.92 min Scan# 547
Delta R.T. -0.01 min
Lab File: VW004937.D
Acq: 24 Aug 2018 15:33

Tgt Ion: 84 Resp: 262203
Ion Ratio Lower Upper
84 100
49 114.4 83.8 155.6
86 60.8 42.6 79.0

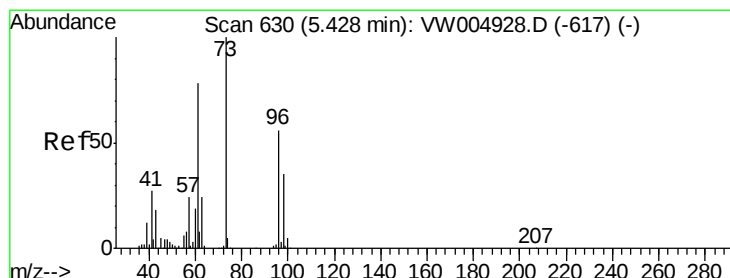
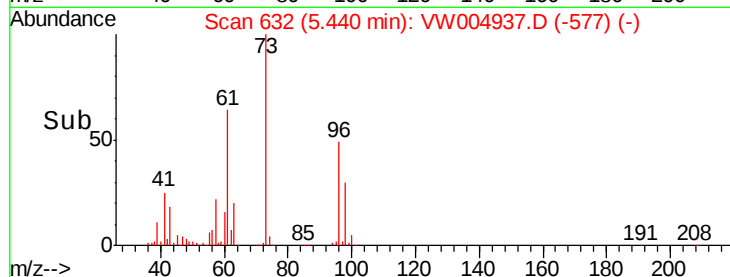
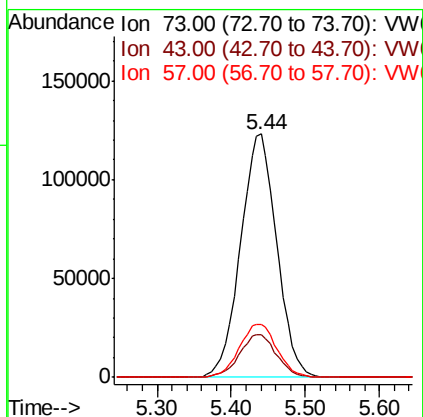
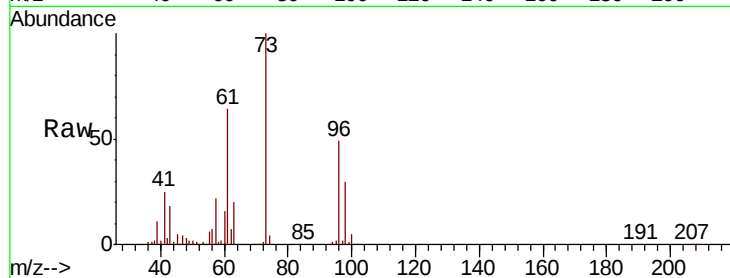




#17
Methyl tert-butyl Ether
Concen: 27.841 ug/L
RT: 5.44 min Scan# 632
Delta R.T. 0.01 min
Lab File: VW004937.D
Acq: 24 Aug 2018 15:33

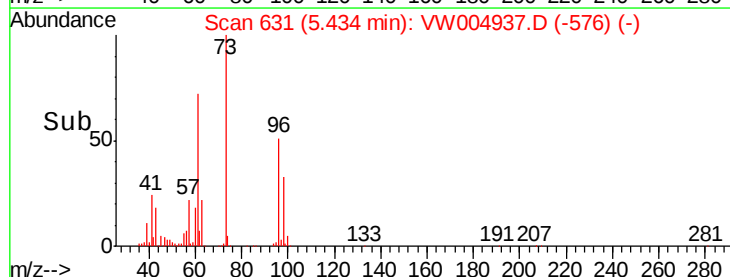
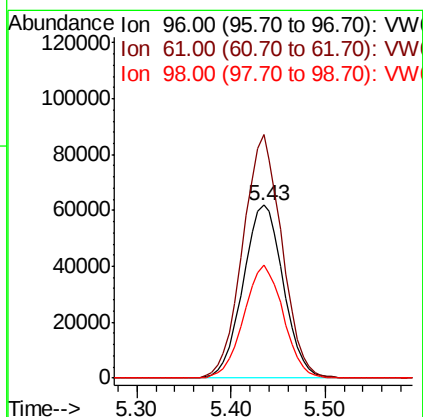
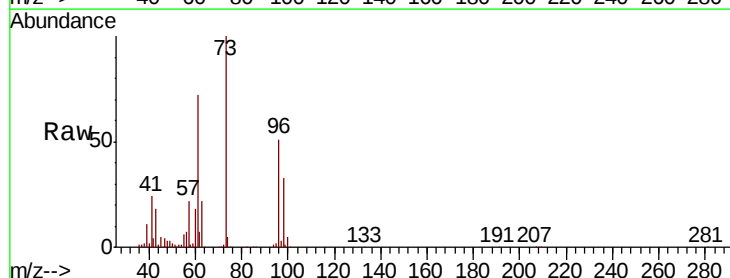
Instrument :
MSVOA_W
ClientSampleId :
VSTD02590

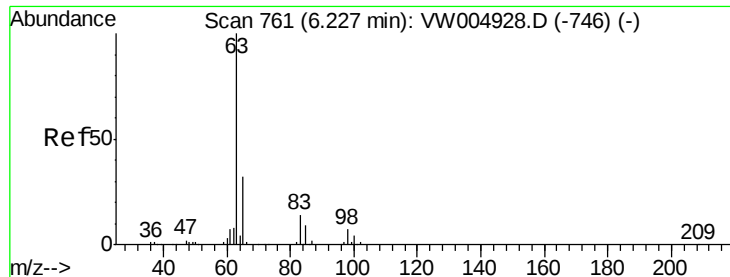
Tgt Ion: 73 Resp: 418561
Ion Ratio Lower Upper
73 100
43 17.9 14.6 22.0
57 22.6 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 25.630 ug/L
RT: 5.43 min Scan# 631
Delta R.T. 0.01 min
Lab File: VW004937.D
Acq: 24 Aug 2018 15:33

Tgt Ion: 96 Resp: 185750
Ion Ratio Lower Upper
96 100
61 140.7 92.5 171.9
98 65.7 42.8 79.4





#19

1,1-Dichloroethane

Concen: 24.999 ug/L

RT: 6.23 min Scan# 761

Delta R.T. 0.00 min

Lab File: VW004937.D

Acq: 24 Aug 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02590

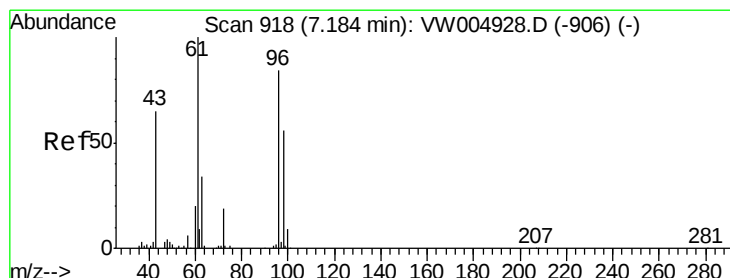
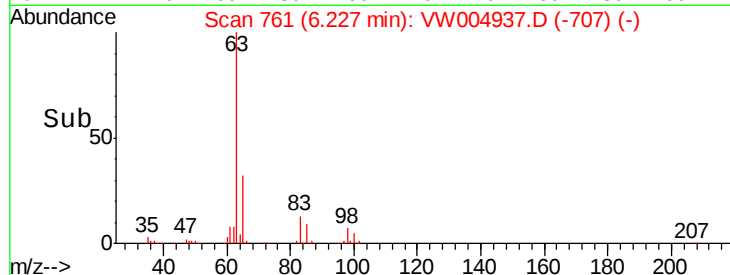
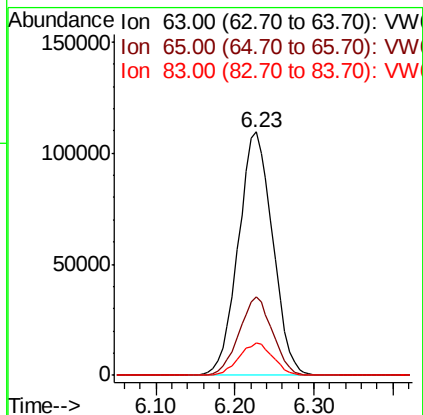
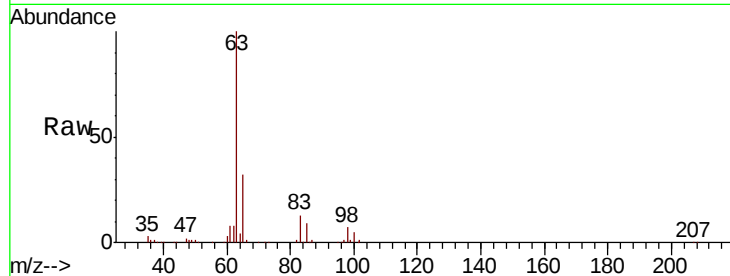
Tgt Ion: 63 Resp: 330722

Ion Ratio Lower Upper

63 100

65 32.2 20.5 38.1

83 13.1 8.8 16.4



#21

2-Butanone

Concen: 54.249 ug/L

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW004937.D

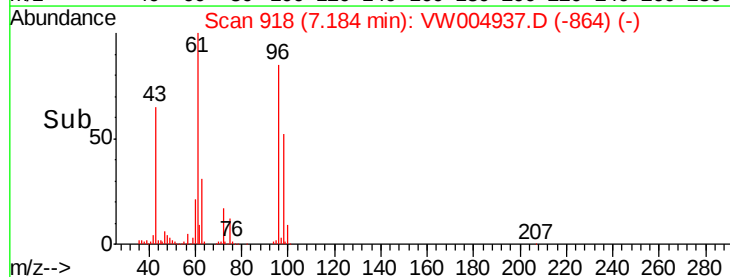
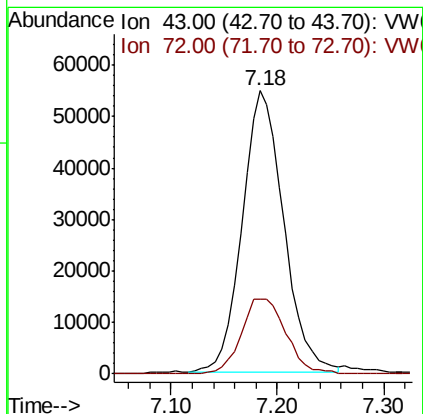
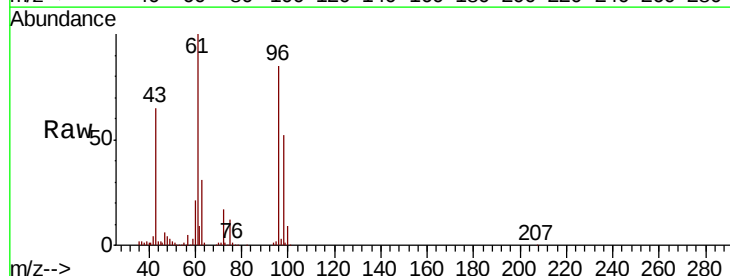
Acq: 24 Aug 2018 15:33

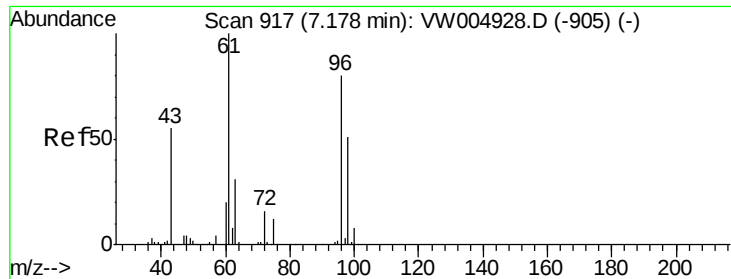
Tgt Ion: 43 Resp: 148798

Ion Ratio Lower Upper

43 100

72 28.8 14.2 42.8

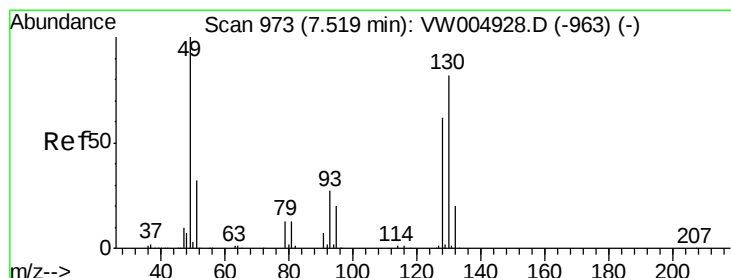
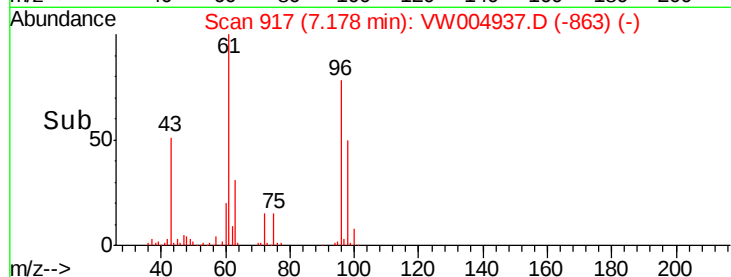
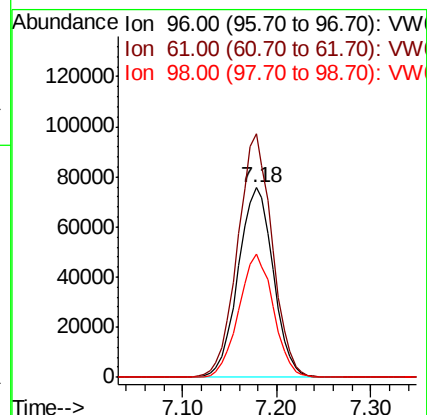
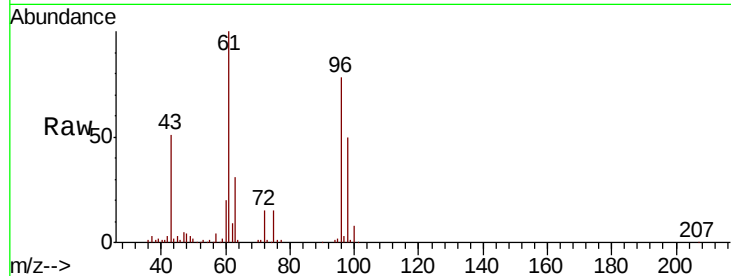




#22
 cis-1,2-Dichloroethene
 Concen: 25.235 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VW004937.D
 Acq: 24 Aug 2018 15:33

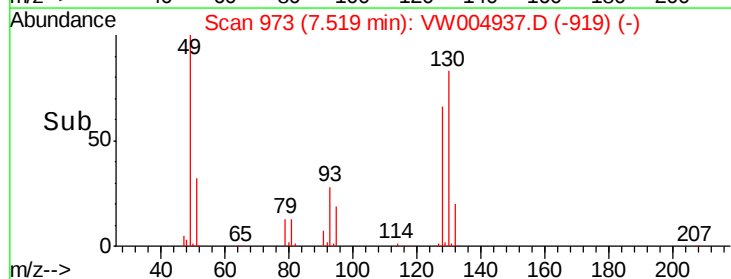
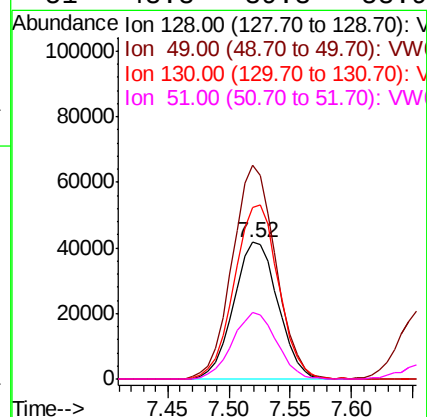
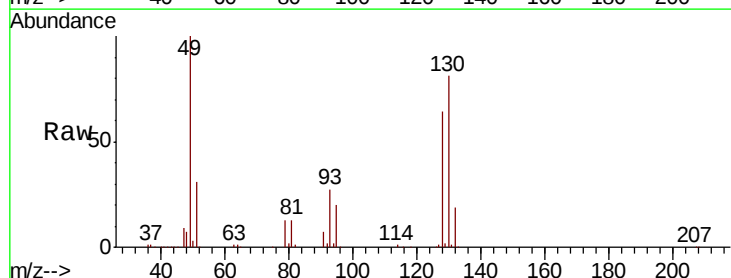
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

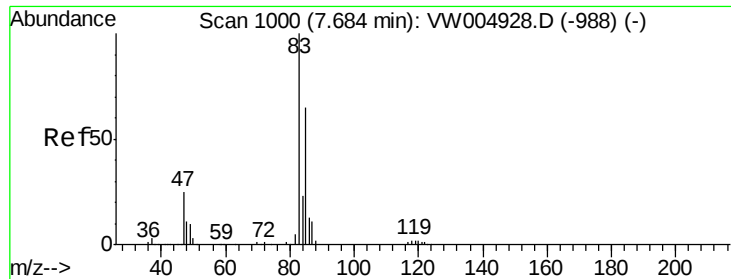
Tgt Ion: 96 Resp: 197353
 Ion Ratio Lower Upper
 96 100
 61 128.3 89.7 166.7
 98 64.7 45.0 83.6



#23
 Bromochloromethane
 Concen: 25.365 ug/L
 RT: 7.52 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VW004937.D
 Acq: 24 Aug 2018 15:33

Tgt Ion: 128 Resp: 104751
 Ion Ratio Lower Upper
 128 100
 49 156.2 111.3 206.7
 130 125.8 90.2 167.6
 51 48.8 39.3 58.9





#25

Chloroform

Concen: 25.594 ug/L

RT: 7.68 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VW004937.D

Acq: 24 Aug 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

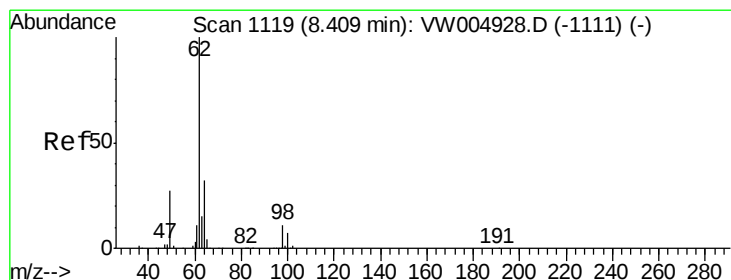
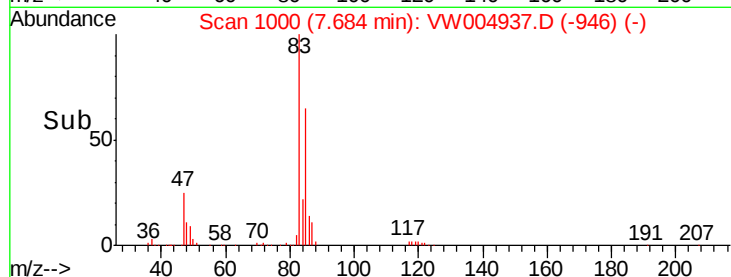
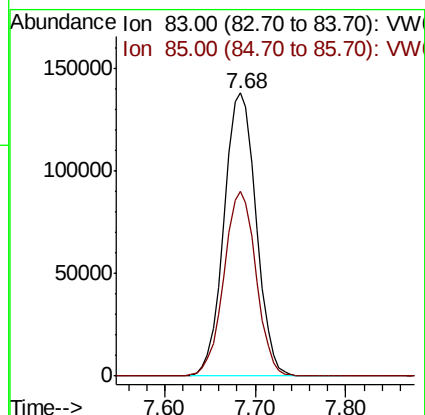
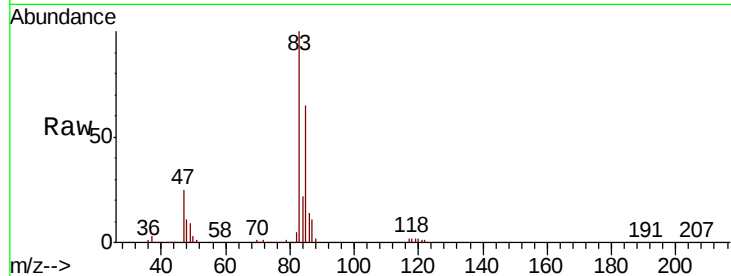
VSTD02590

Tgt Ion: 83 Resp: 339359

Ion Ratio Lower Upper

83 100

85 65.4 46.3 85.9



#27

1,2-Dichloroethane

Concen: 25.712 ug/L

RT: 8.41 min Scan# 1119

Delta R.T. 0.00 min

Lab File: VW004937.D

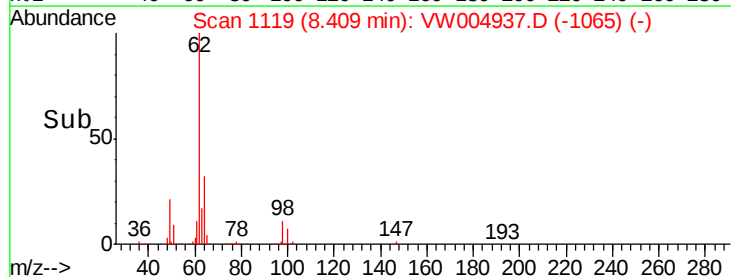
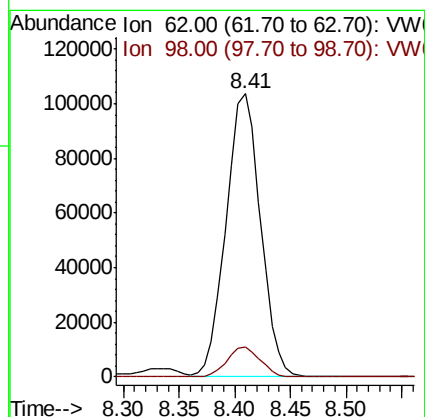
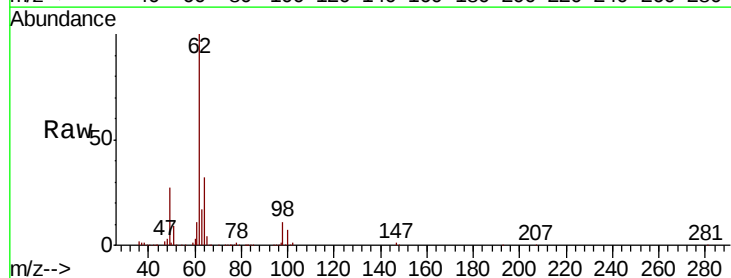
Acq: 24 Aug 2018 15:33

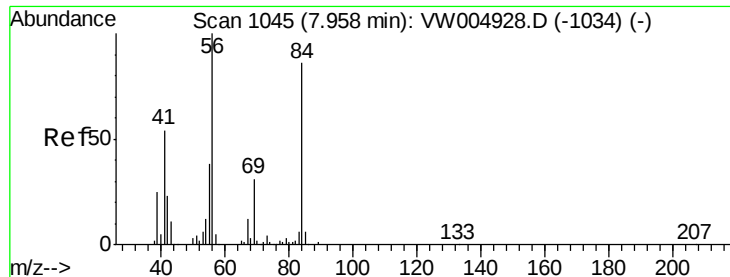
Tgt Ion: 62 Resp: 223460

Ion Ratio Lower Upper

62 100

98 10.6 8.0 12.0

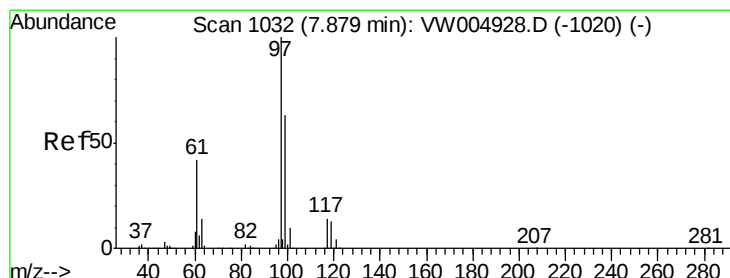
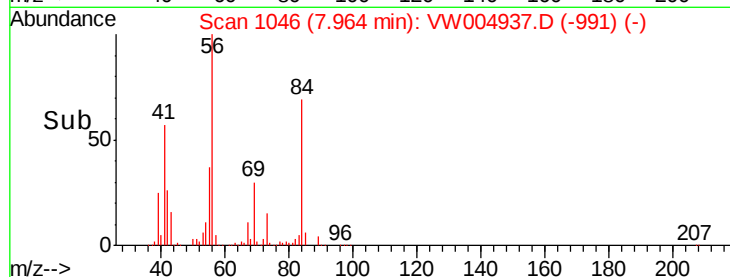
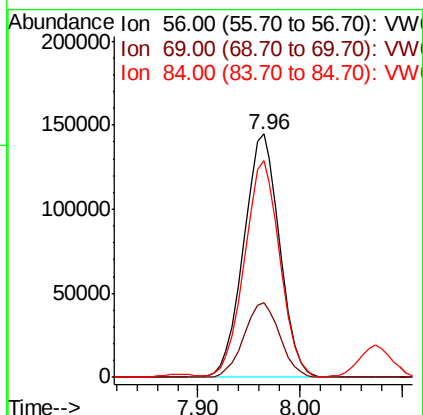
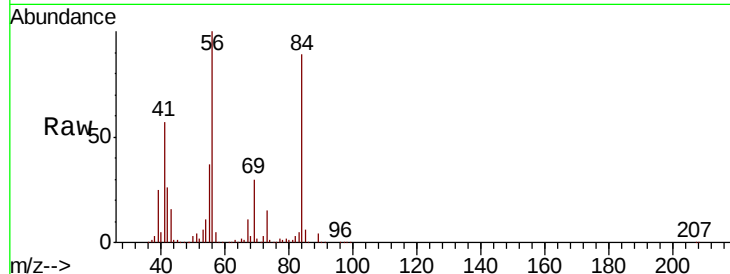




#30
Cyclohexane
Concen: 27.117 ug/L
RT: 7.96 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VW004937.D
Acq: 24 Aug 2018 15:33

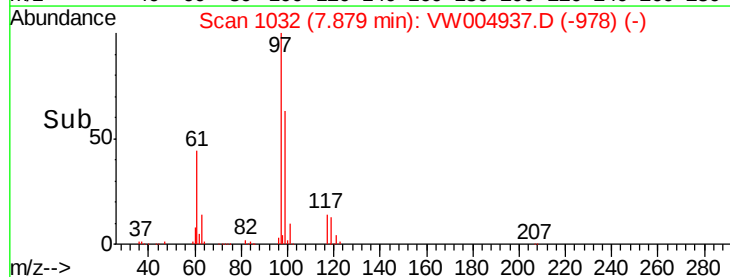
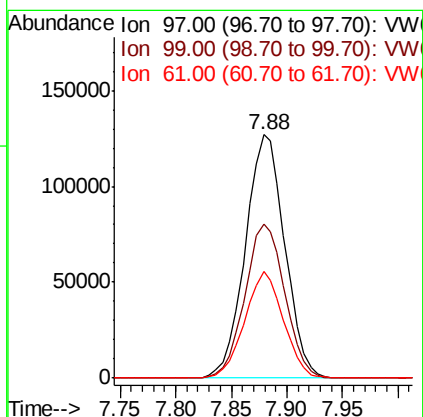
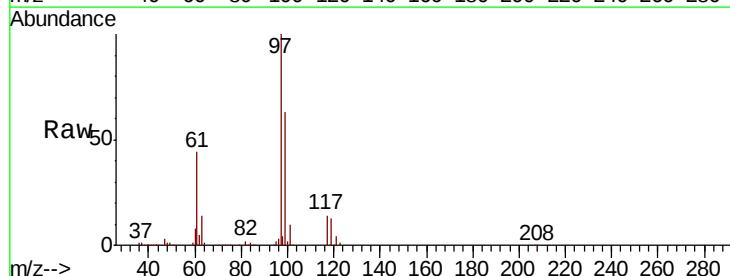
Instrument :
MSVOA_W
ClientSampleId :
VSTD02590

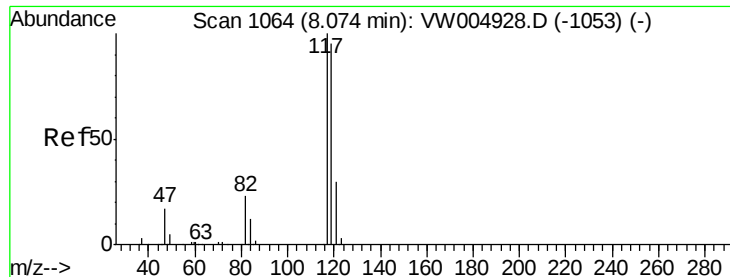
Tgt Ion: 56 Resp: 353643
Ion Ratio Lower Upper
56 100
69 30.8 24.1 36.1
84 88.3 67.7 101.5



#31
1,1,1-Trichloroethane
Concen: 26.533 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VW004937.D
Acq: 24 Aug 2018 15:33

Tgt Ion: 97 Resp: 313093
Ion Ratio Lower Upper
97 100
99 63.9 51.2 76.8
61 42.9 34.9 52.3





#32

Carbon tetrachloride

Concen: 26.842 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VW004937.D

Acq: 24 Aug 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

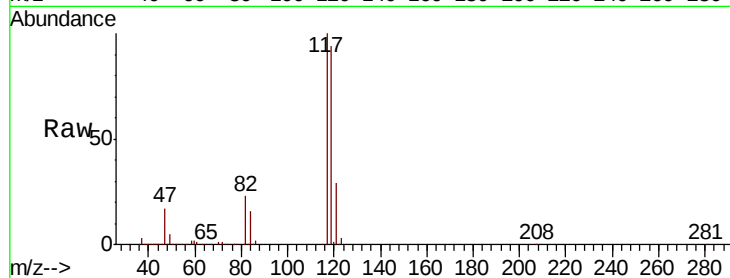
VSTD02590

Tgt Ion:117 Resp: 283312

Ion Ratio Lower Upper

117 100

119 95.9 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

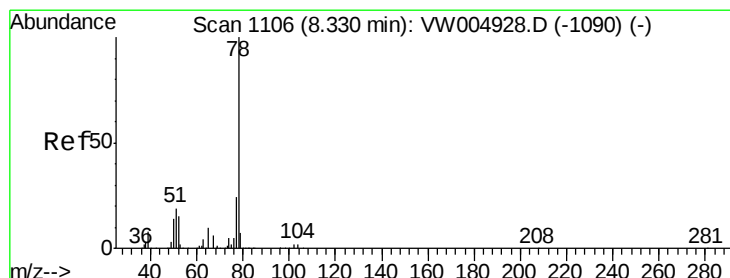
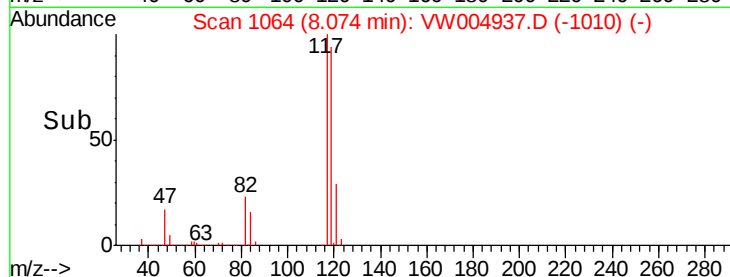
8.07

100000

50000

0

Time--> 7.95 8.00 8.05 8.10 8.15



#34

Benzene

Concen: 26.322 ug/L

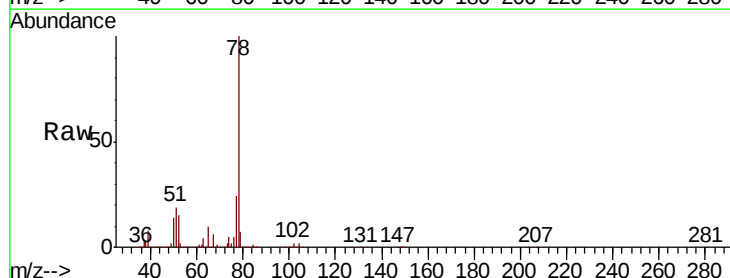
RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VW004937.D

Acq: 24 Aug 2018 15:33

Tgt Ion: 78 Resp: 919478



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

400000

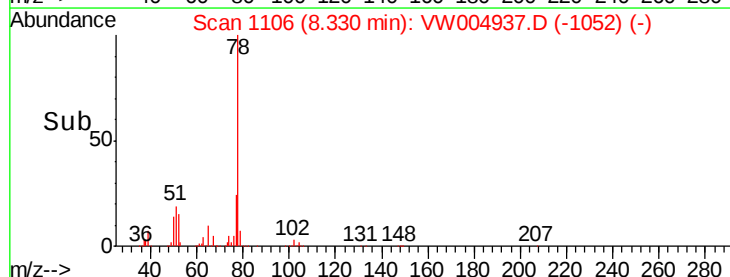
300000

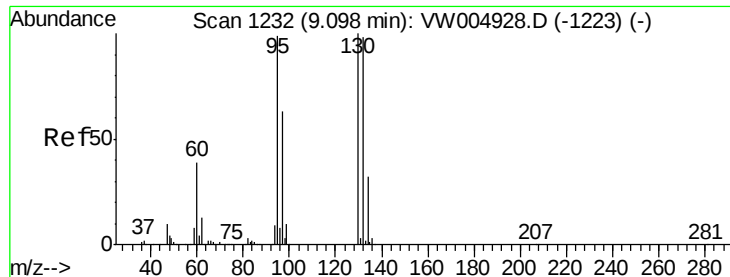
200000

100000

0

Time--> 8.20 8.30 8.40





#35

Trichloroethene

Concen: 25.986 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW004937.D

Acq: 24 Aug 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02590

Tgt Ion: 95 Resp: 225722

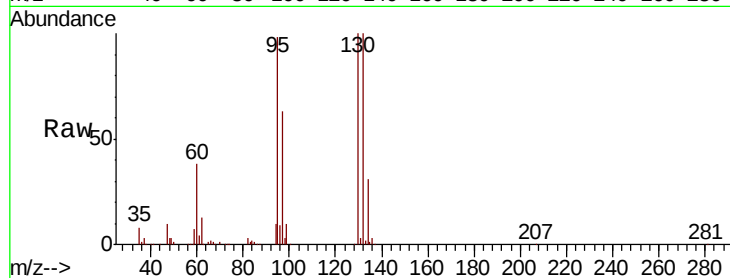
Ion Ratio Lower Upper

95 100

97 64.4 45.9 85.3

132 99.6 69.2 128.4

130 102.9 72.7 135.1

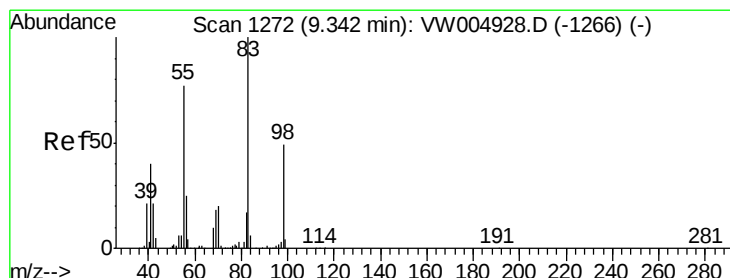
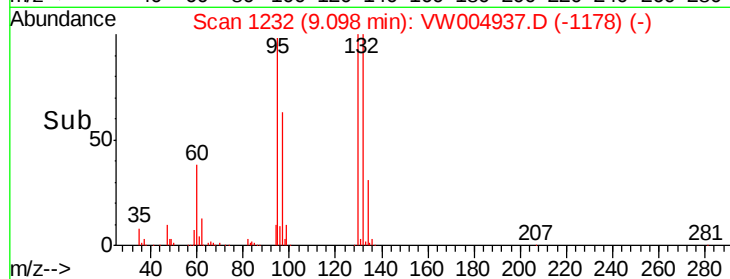
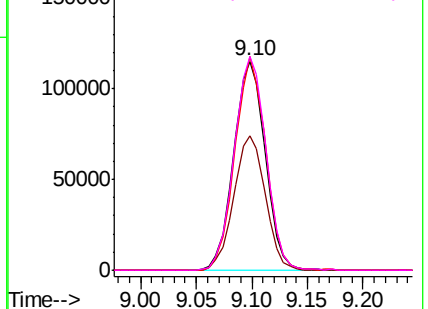


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 25.365 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VW004937.D

Acq: 24 Aug 2018 15:33

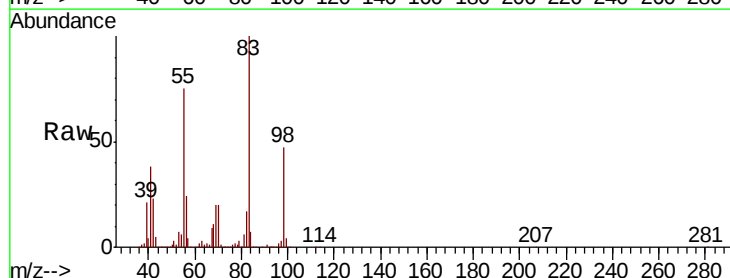
Tgt Ion: 83 Resp: 407522

Ion Ratio Lower Upper

83 100

55 76.1 61.1 91.7

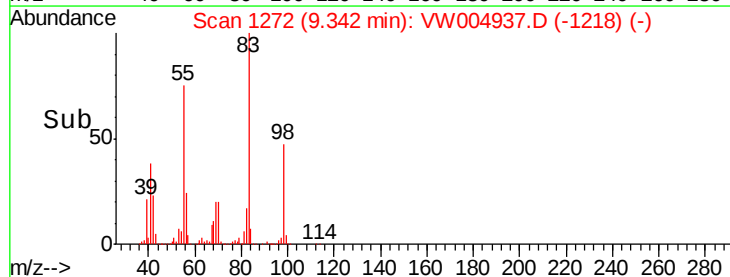
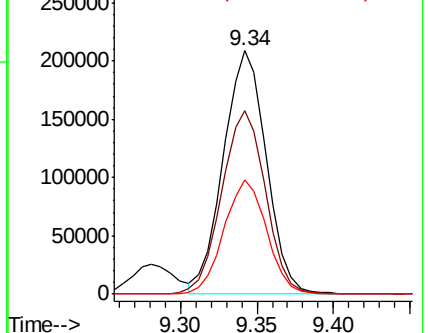
98 46.9 37.0 55.4

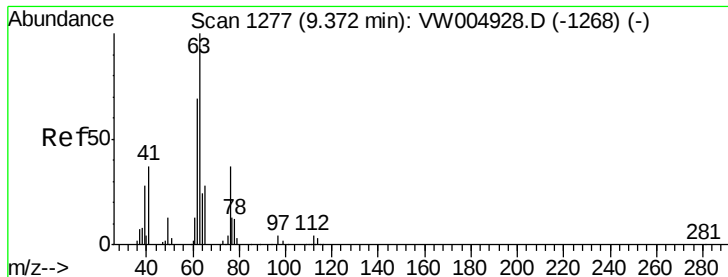


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

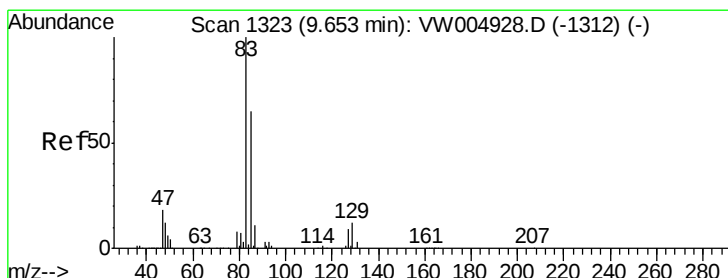
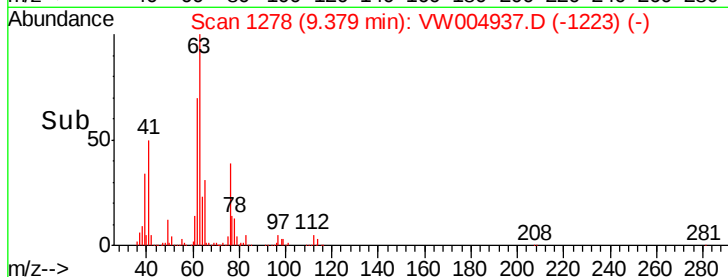
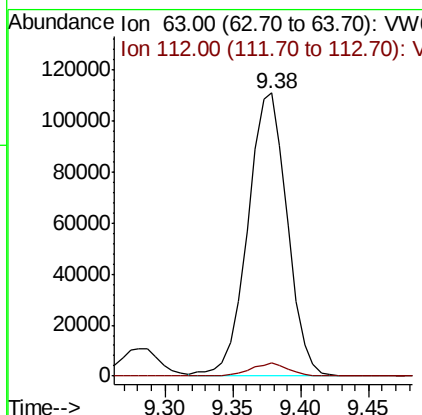
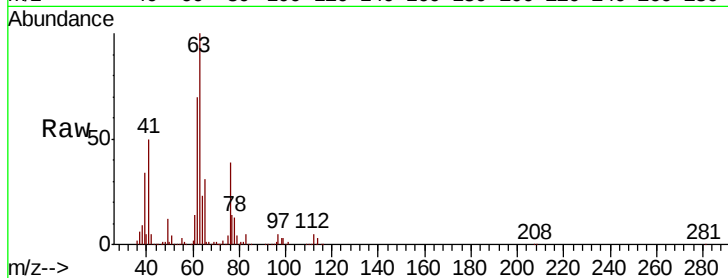




#40
 1,2-Dichloropropane
 Concen: 26.232 ug/L
 RT: 9.38 min Scan# 1278
 Delta R.T. 0.01 min
 Lab File: VW004937.D
 Acq: 24 Aug 2018 15:33

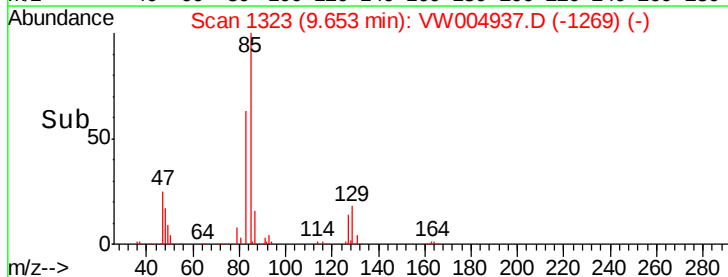
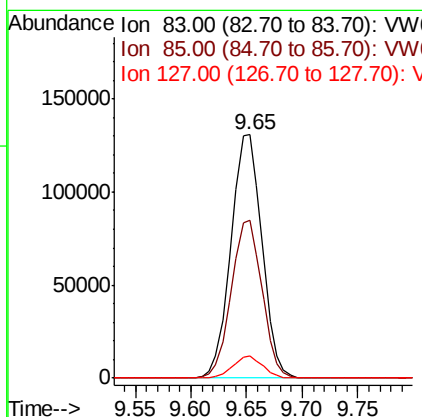
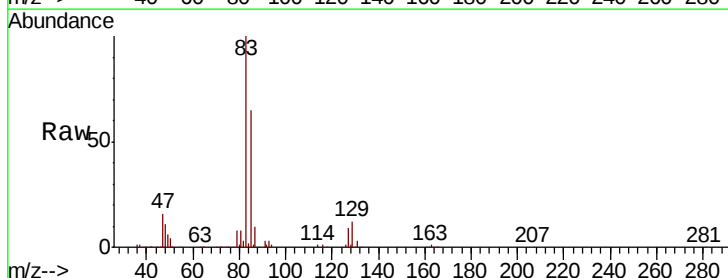
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

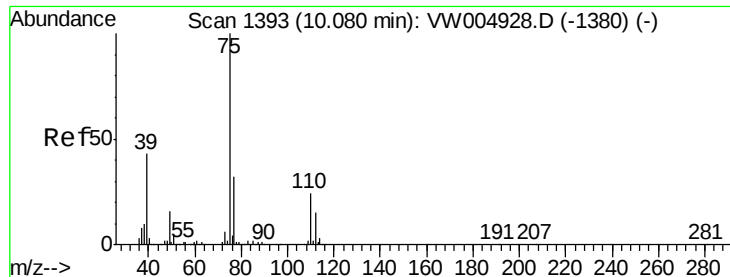
Tgt Ion: 63 Resp: 225411
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.2 4.8



#41
 Bromodichloromethane
 Concen: 26.619 ug/L
 RT: 9.65 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VW004937.D
 Acq: 24 Aug 2018 15:33

Tgt Ion: 83 Resp: 252041
 Ion Ratio Lower Upper
 83 100
 85 64.6 43.6 81.0
 127 9.0 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 26.513 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004937.D

Acq: 24 Aug 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

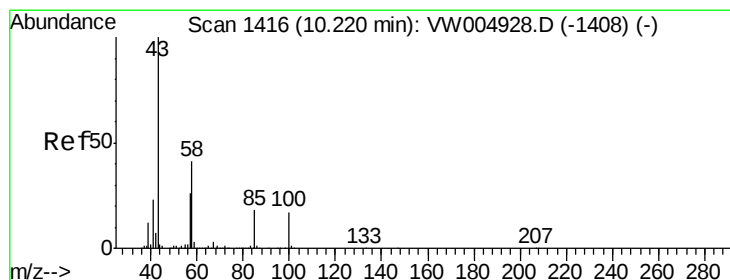
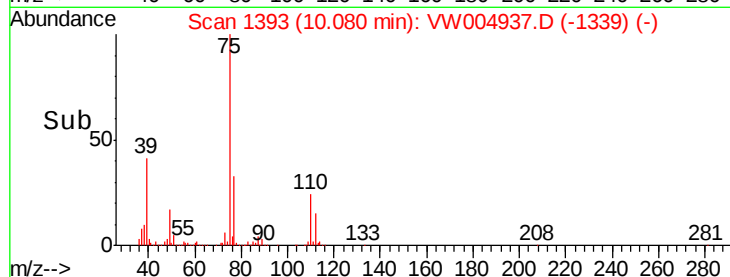
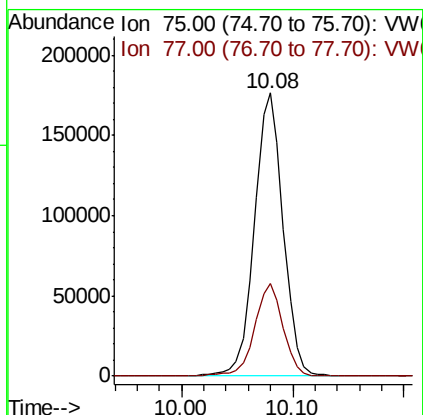
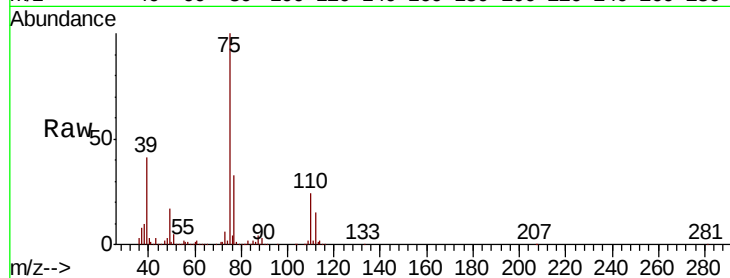
VSTD02590

Tgt Ion: 75 Resp: 316252

Ion Ratio Lower Upper

75 100

77 32.8 22.4 41.6



#43

4-Methyl-2-pentanone

Concen: 57.574 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW004937.D

Acq: 24 Aug 2018 15:33

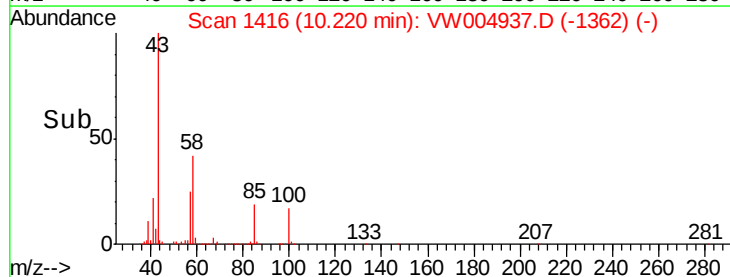
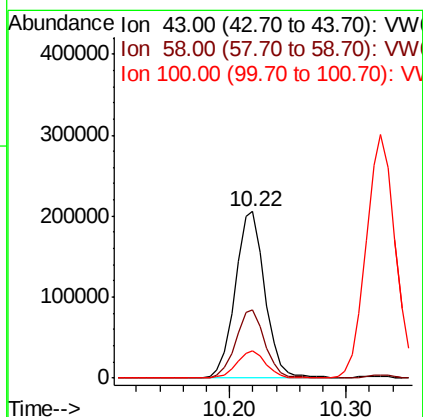
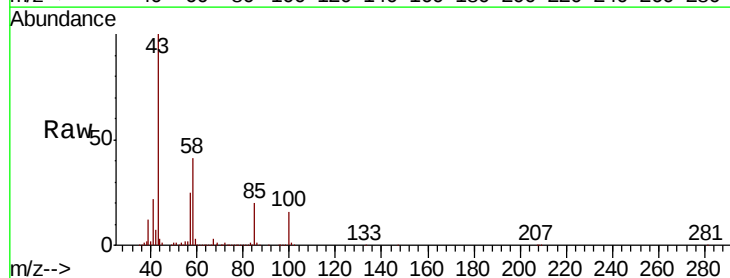
Tgt Ion: 43 Resp: 365210

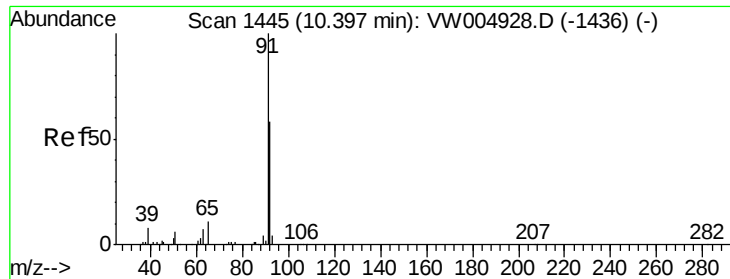
Ion Ratio Lower Upper

43 100

58 40.5 32.1 48.1

100 15.9 12.6 18.8





#44

Toluene

Concen: 26.602 ug/L

RT: 10.40 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VW004937.D

Acq: 24 Aug 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

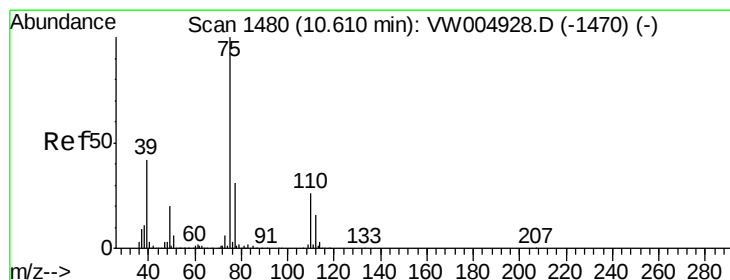
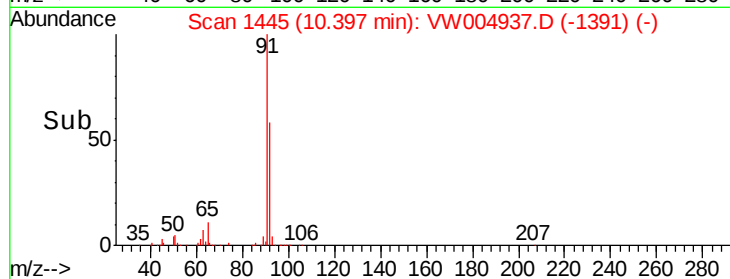
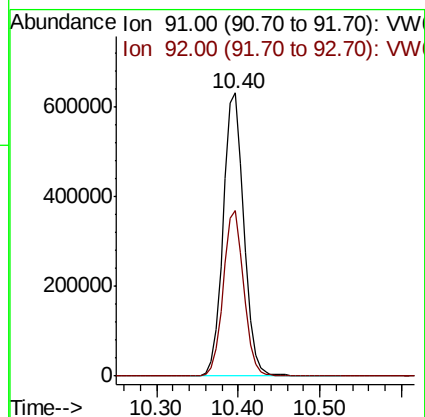
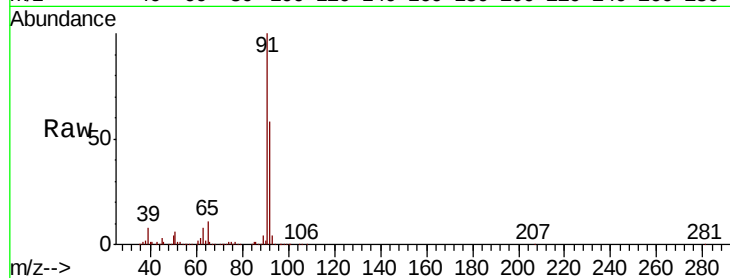
VSTD02590

Tgt Ion: 91 Resp: 1115956

Ion Ratio Lower Upper

91 100

92 58.4 40.6 75.4



#45

trans-1,3-Dichloropropene

Concen: 26.553 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004937.D

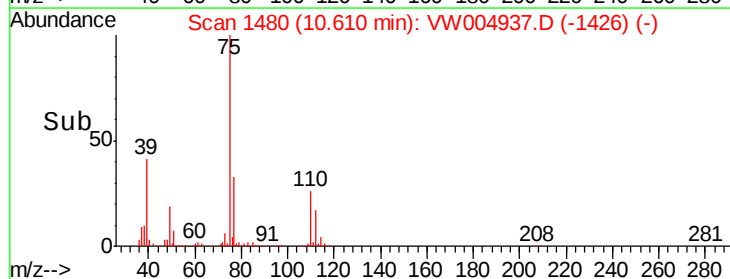
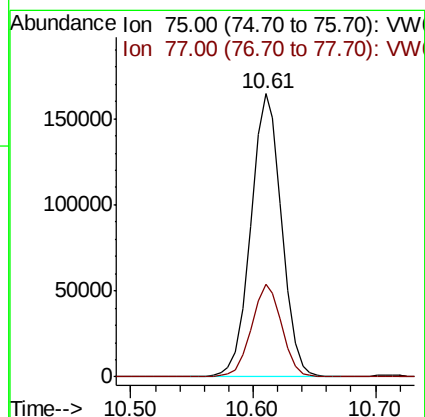
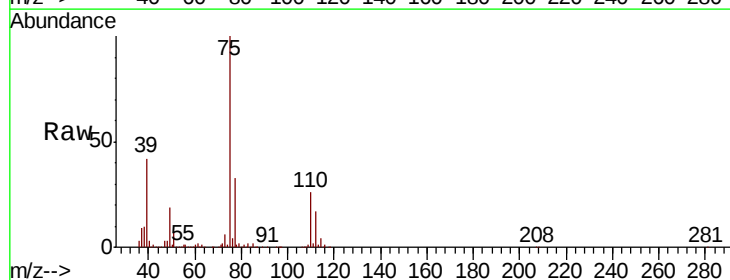
Acq: 24 Aug 2018 15:33

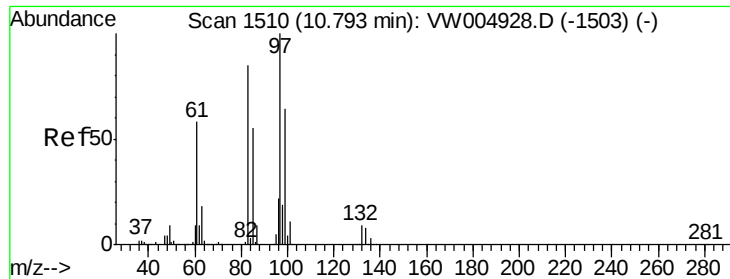
Tgt Ion: 75 Resp: 287258

Ion Ratio Lower Upper

75 100

77 32.6 22.2 41.2

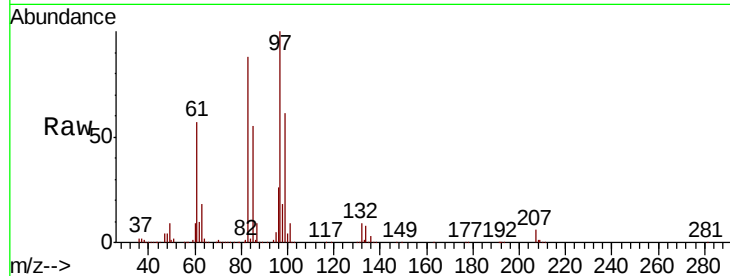




#46
 1,1,2-Trichloroethane
 Concen: 26.716 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004937.D
 Acq: 24 Aug 2018 15:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

Tgt Ion:	97	Resp:	179191
Ion	Ratio	Lower	Upper
97	100		
83	87.8	59.6	110.8
85	55.0	38.1	70.9
99	61.1	43.8	81.3



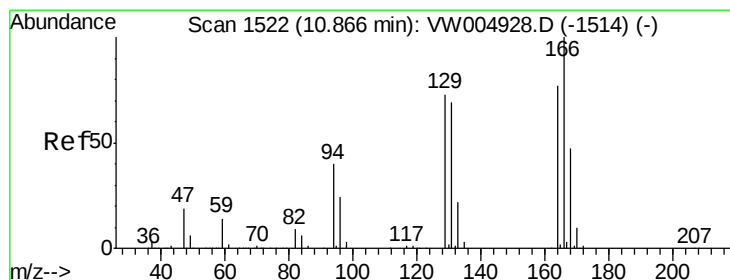
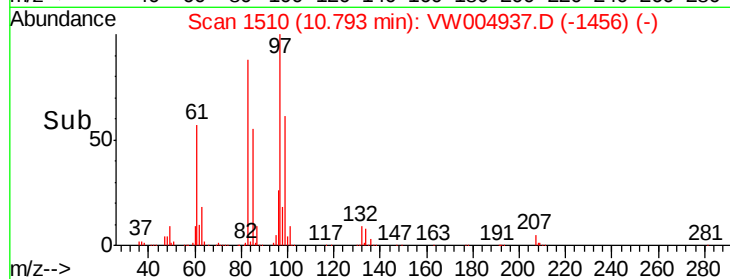
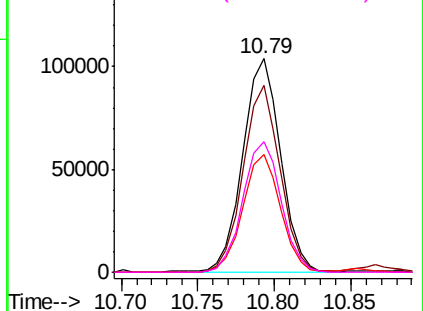
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

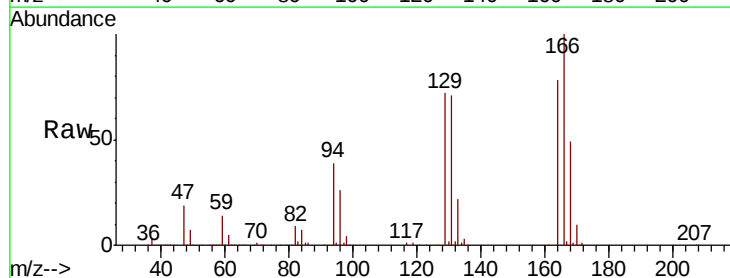
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 26.018 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004937.D
 Acq: 24 Aug 2018 15:33

Tgt Ion:	164	Resp:	221251
Ion	Ratio	Lower	Upper
164	100		
129	91.8	66.8	124.0
131	91.0	64.0	119.0
166	127.5	89.8	166.8



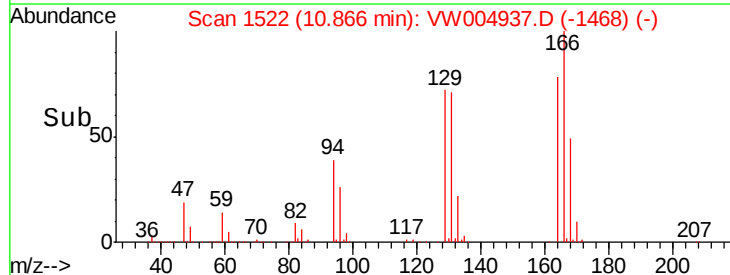
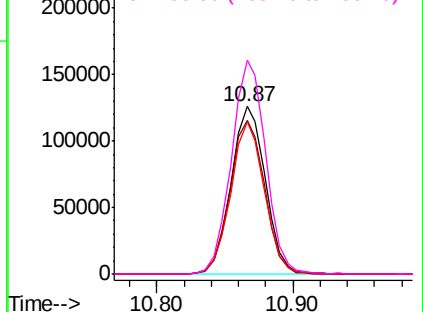
Abundance

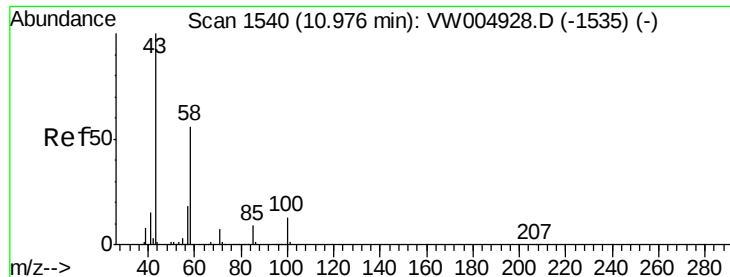
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

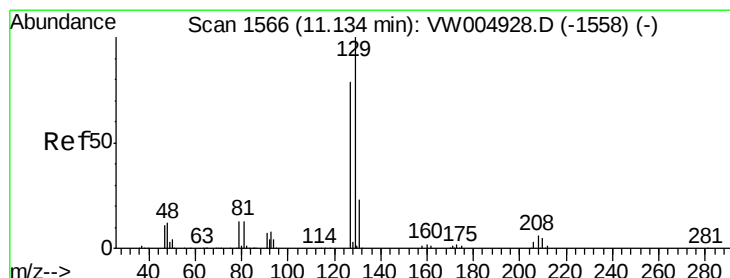
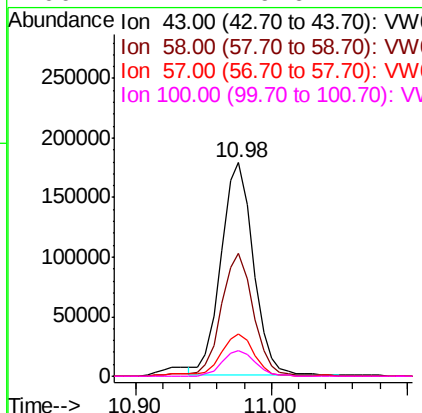
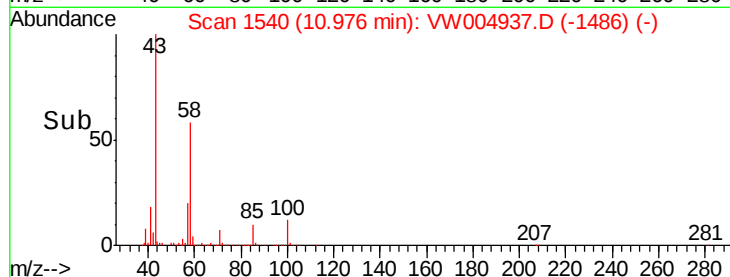
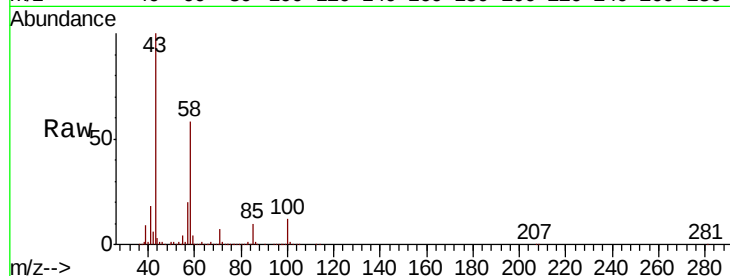




#49
2-Hexanone
Concen: 60.444 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004937.D
Acq: 24 Aug 2018 15:33

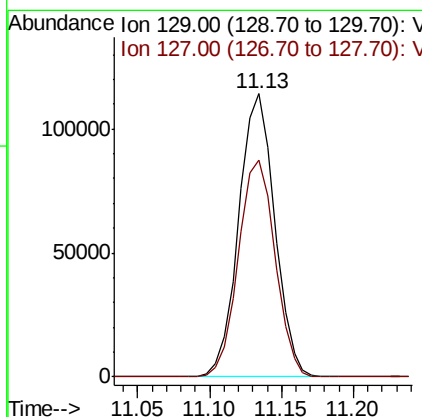
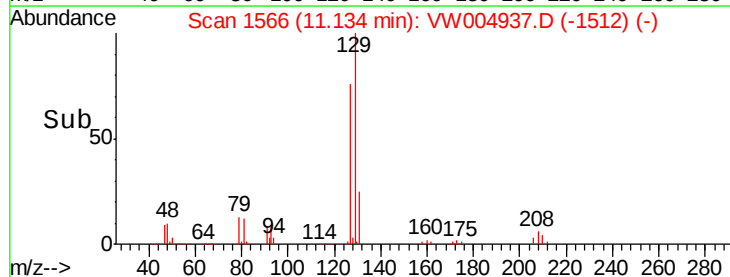
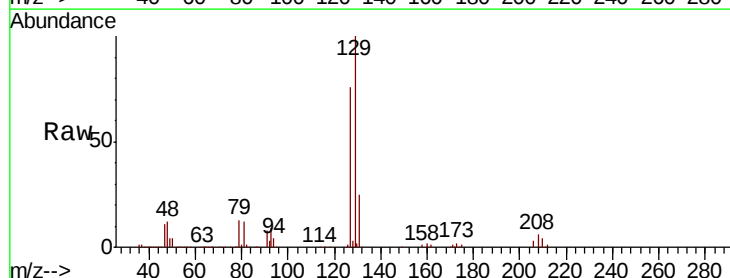
Instrument :
MSVOA_W
ClientSampleId :
VSTD02590

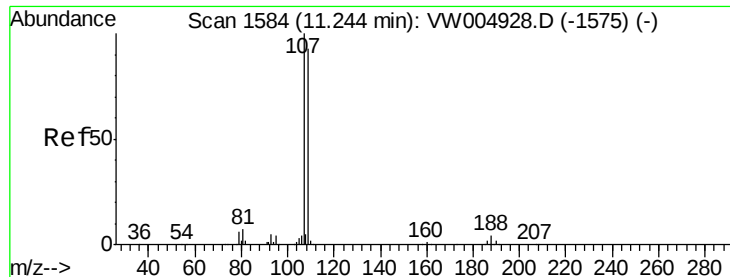
Tgt Ion:	43	Resp:	296298
Ion	Ratio	Lower	Upper
43	100		
58	57.0	44.6	67.0
57	19.3	15.4	23.2
100	12.4	9.6	14.4



#50
Dibromochloromethane
Concen: 26.596 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004937.D
Acq: 24 Aug 2018 15:33

Tgt Ion:	129	Resp:	198045
Ion	Ratio	Lower	Upper
129	100		
127	76.4	53.8	99.8

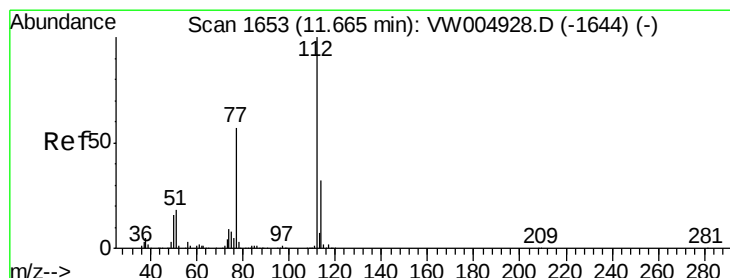
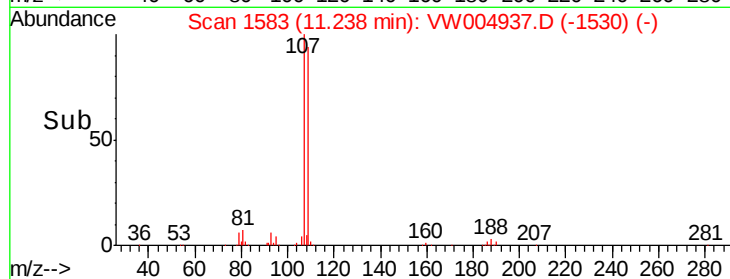
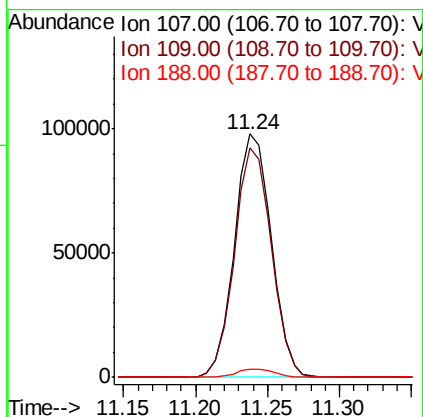
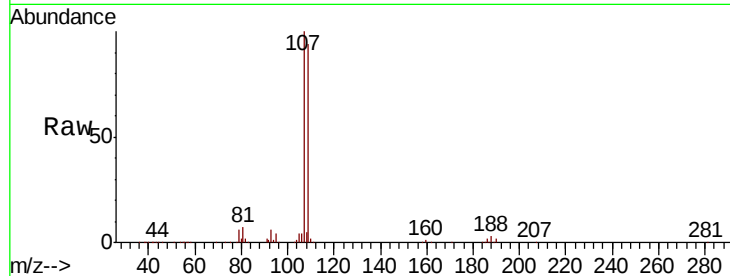




#51
1,2-Dibromoethane
Concen: 26.571 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VW004937.D
Acq: 24 Aug 2018 15:33

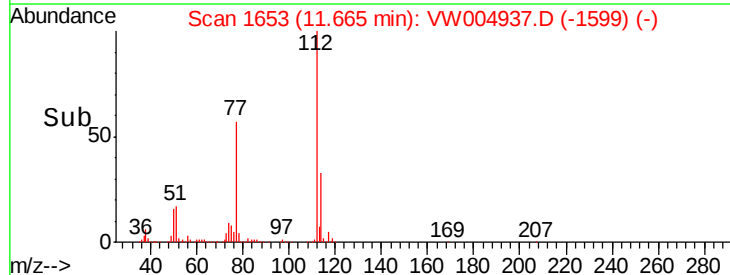
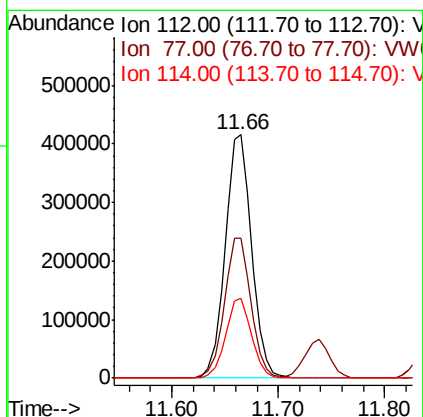
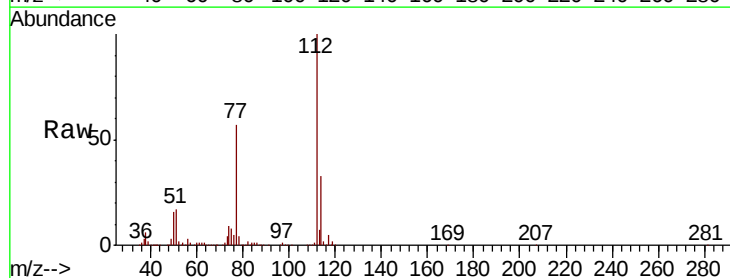
Instrument :
MSVOA_W
ClientSampleId :
VSTD02590

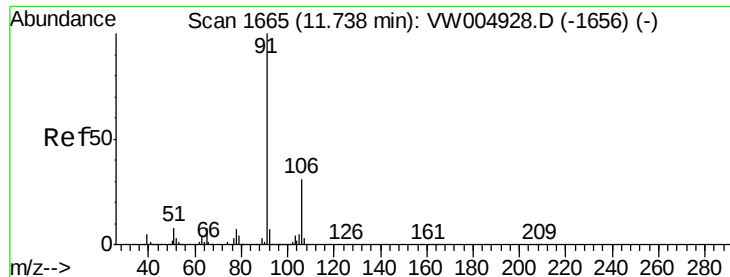
Tgt Ion:107 Resp: 174942
Ion Ratio Lower Upper
107 100
109 94.1 67.3 124.9
188 3.4 3.0 4.6



#52
Chlorobenzene
Concen: 25.788 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW004937.D
Acq: 24 Aug 2018 15:33

Tgt Ion:112 Resp: 718645
Ion Ratio Lower Upper
112 100
77 57.3 45.8 68.8
114 32.8 22.5 41.7





#53

Ethylbenzene

Concen: 26.376 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004937.D

Acq: 24 Aug 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

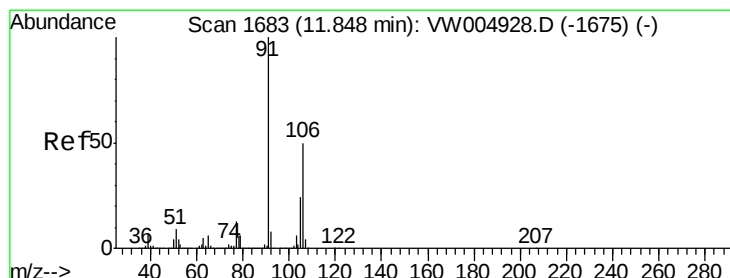
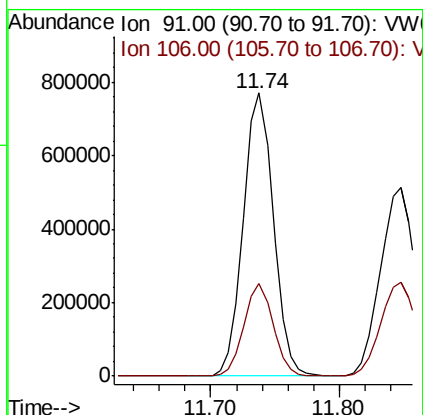
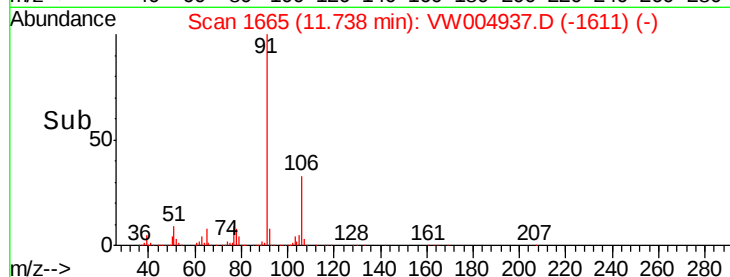
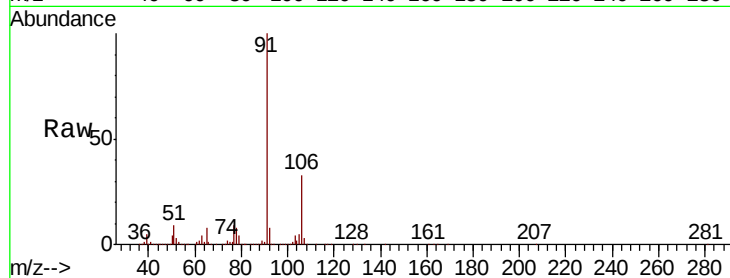
VSTD02590

Tgt Ion: 91 Resp: 1245068

Ion Ratio Lower Upper

91 100

106 32.6 21.6 40.2



#54

m,p-Xylene

Concen: 26.723 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004937.D

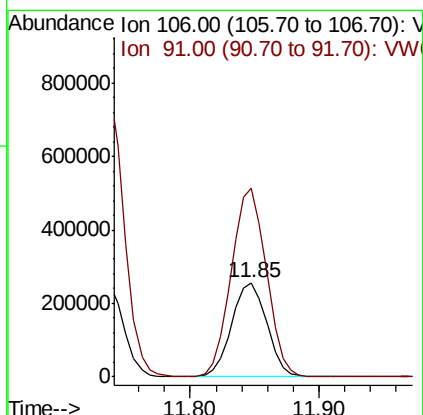
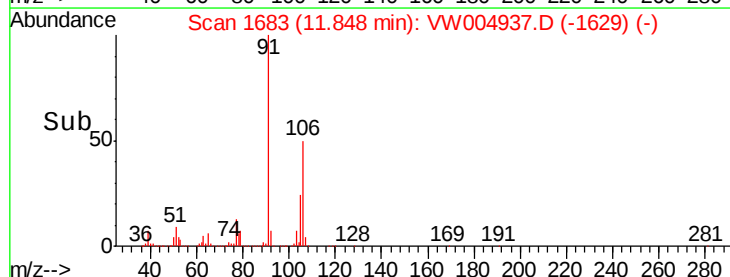
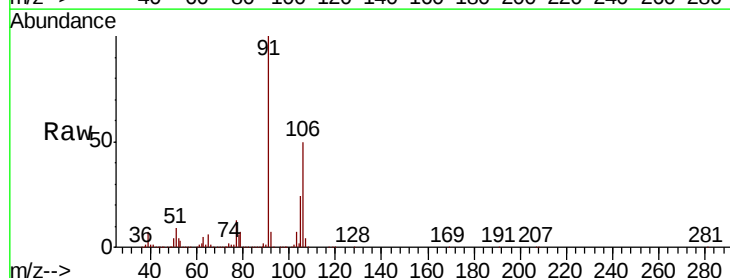
Acq: 24 Aug 2018 15:33

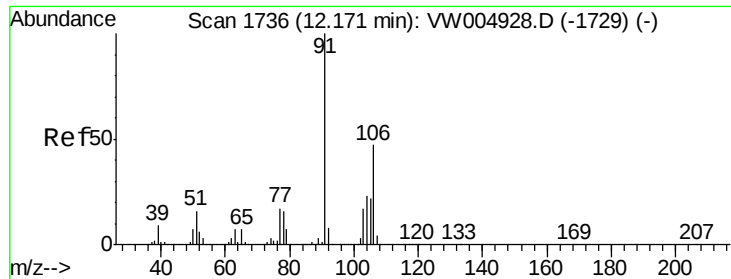
Tgt Ion: 106 Resp: 489376

Ion Ratio Lower Upper

106 100

91 199.5 141.4 262.6





#55

o-xylene

Concen: 26.654 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004937.D

Acq: 24 Aug 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

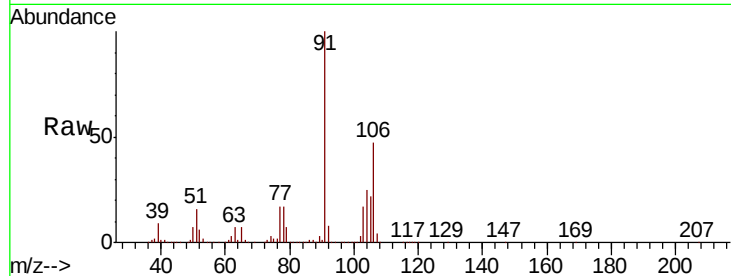
VSTD02590

Tgt Ion:106 Resp: 456071

Ion Ratio Lower Upper

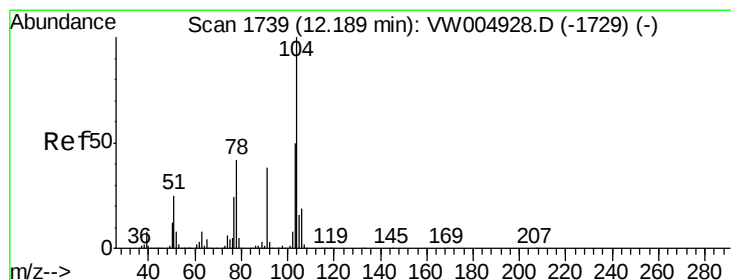
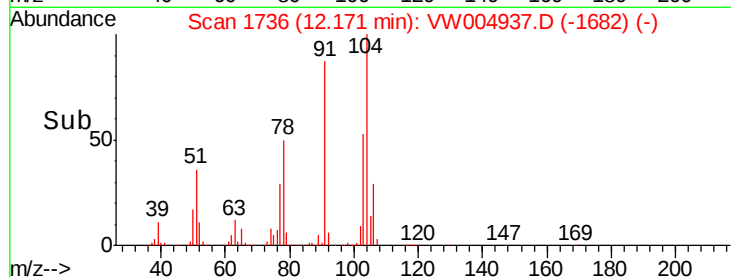
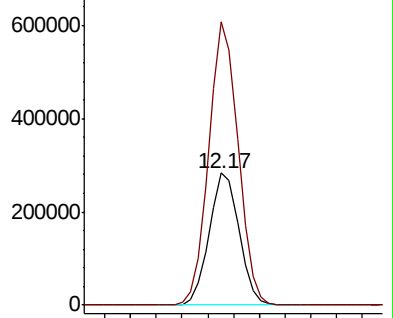
106 100

91 214.4 147.0 273.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.207 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW004937.D

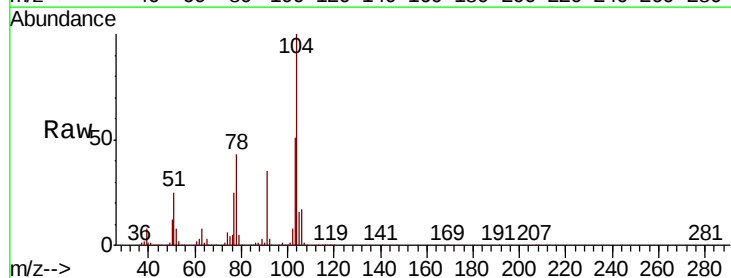
Acq: 24 Aug 2018 15:33

Tgt Ion:104 Resp: 799844

Ion Ratio Lower Upper

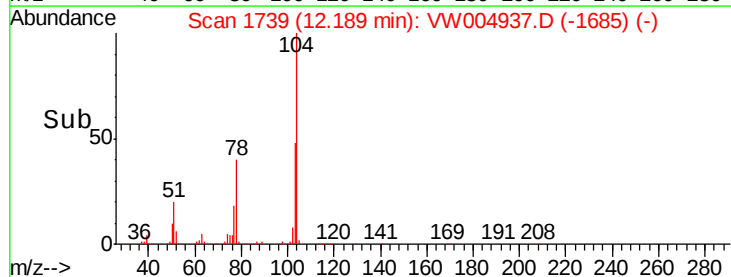
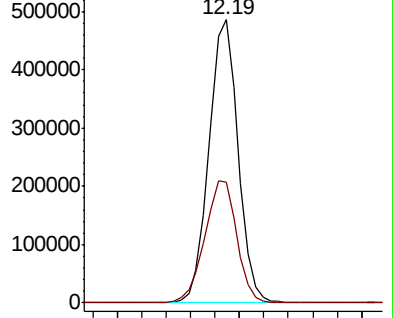
104 100

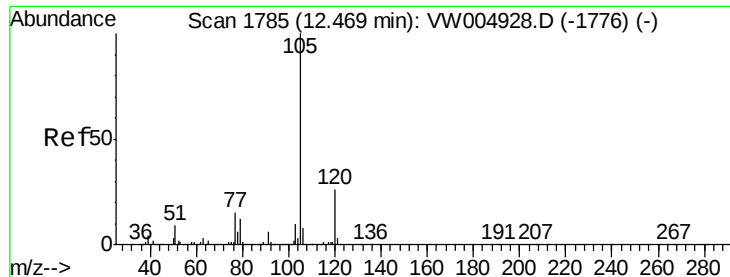
78 42.6 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.903 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004937.D

Acq: 24 Aug 2018 15:33

Instrument :

MSVOA_W

ClientSampled :

VSTD02590

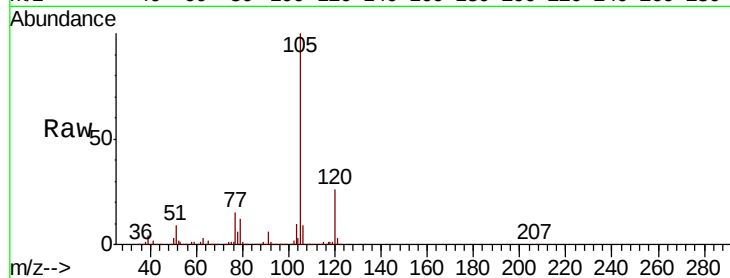
Tgt Ion:105 Resp: 1229543

Ion Ratio Lower Upper

105 100

120 26.8 21.3 31.9

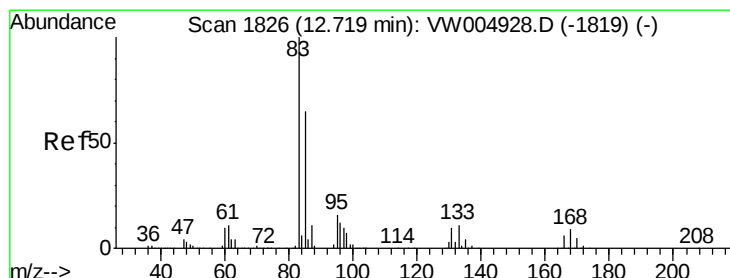
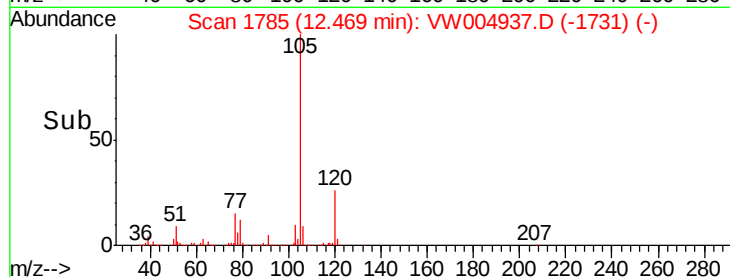
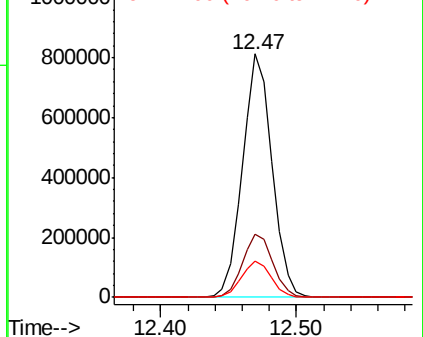
77 15.0 12.0 18.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 27.434 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004937.D

Acq: 24 Aug 2018 15:33

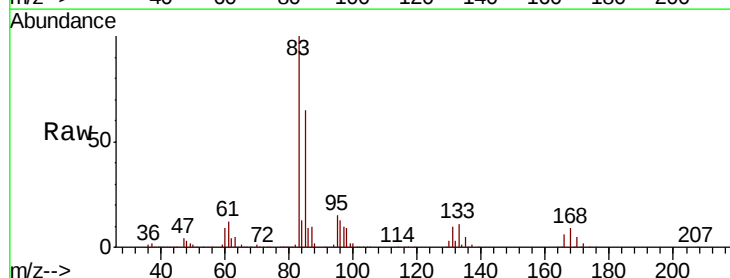
Tgt Ion: 83 Resp: 262246

Ion Ratio Lower Upper

83 100

85 64.6 46.3 85.9

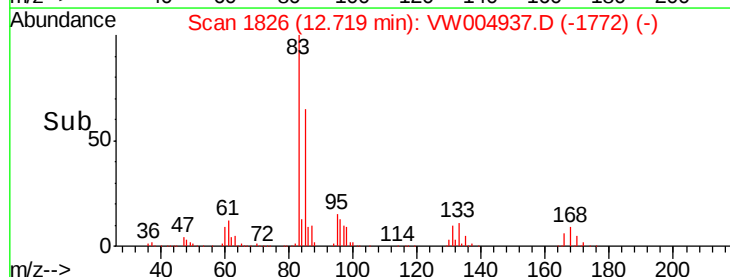
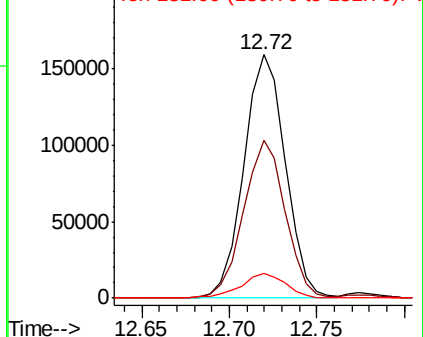
131 10.1 7.8 11.6

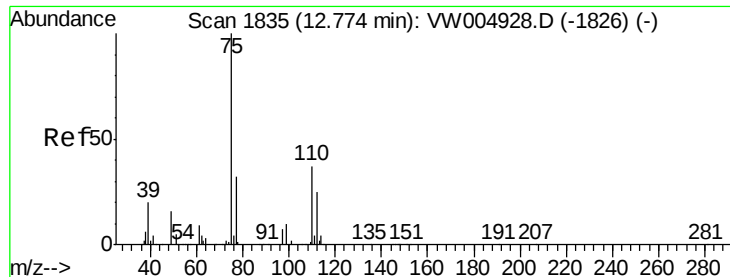


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

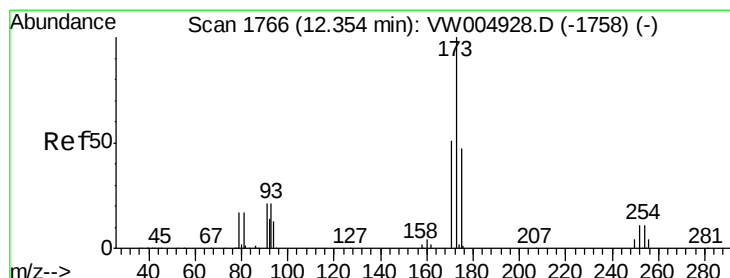
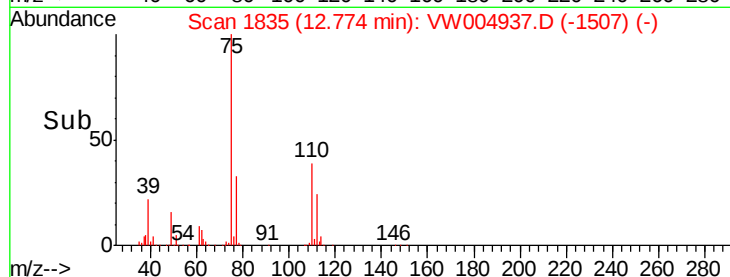
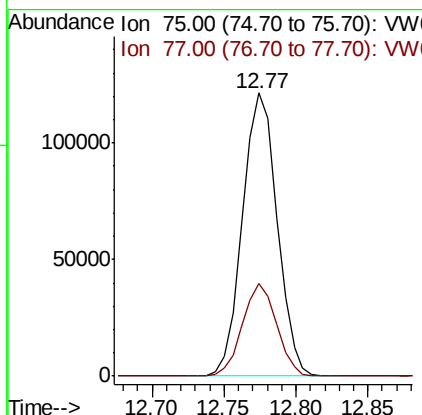
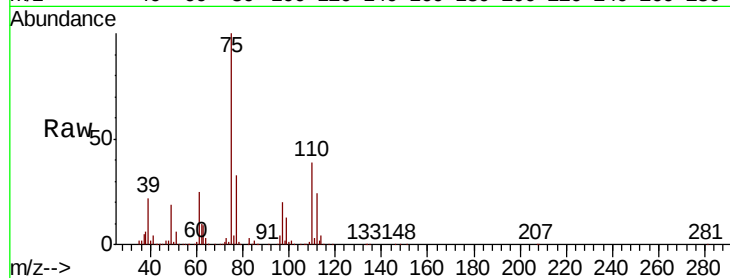




#59
 1,2,3-Trichloropropane
 Concen: 27.430 ug/L
 RT: 12.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VW004937.D
 Acq: 24 Aug 2018 15:33

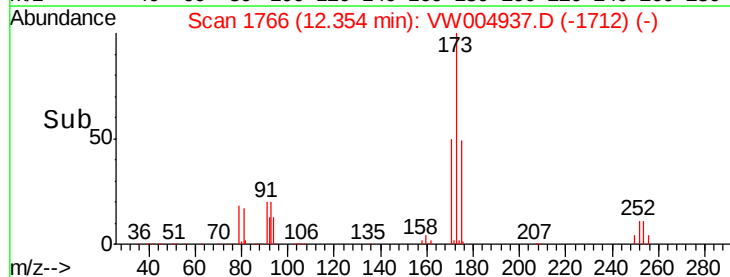
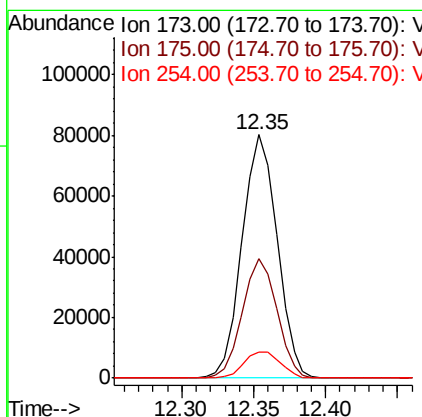
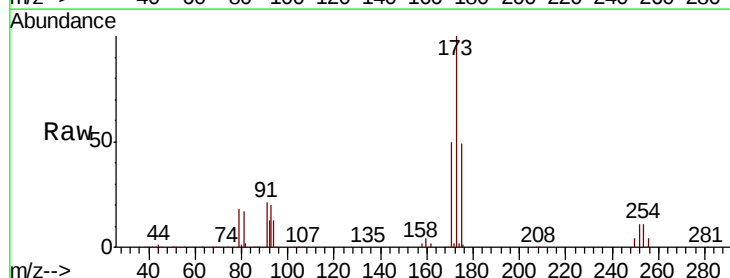
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

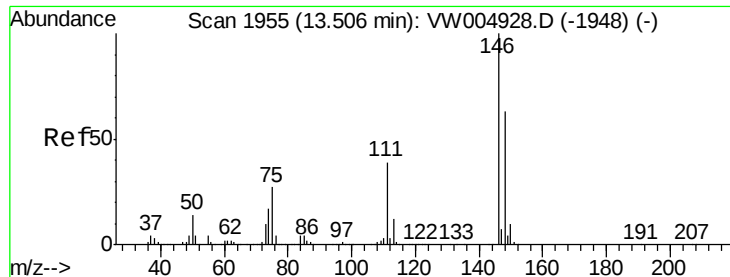
Tgt Ion: 75 Resp: 202049
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.3 37.9



#62
 Bromoform
 Concen: 26.843 ug/L
 RT: 12.35 min Scan# 1766
 Delta R.T. 0.00 min
 Lab File: VW004937.D
 Acq: 24 Aug 2018 15:33

Tgt Ion: 173 Resp: 135713
 Ion Ratio Lower Upper
 173 100
 175 48.3 39.0 58.6
 254 11.3 9.0 13.6





#63

1,3-Dichlorobenzene

Concen: 25.994 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004937.D

Acq: 24 Aug 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02590

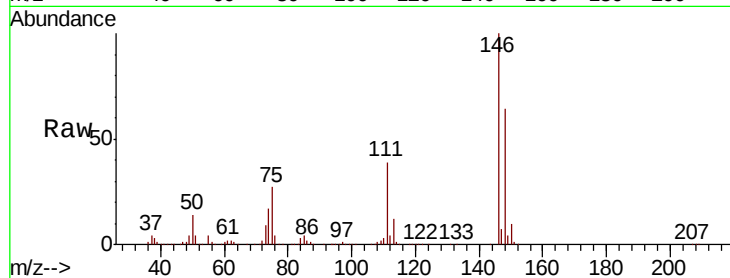
Tgt Ion:146 Resp: 571059

Ion Ratio Lower Upper

146 100

111 39.1 25.6 47.6

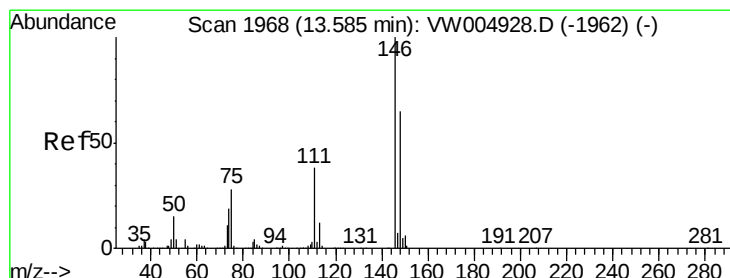
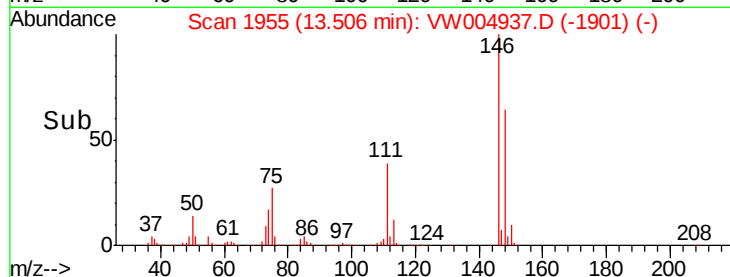
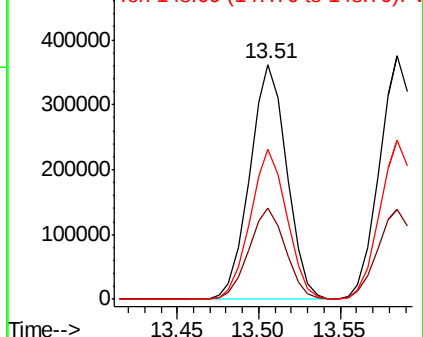
148 64.1 42.7 79.3



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



#64

1,4-Dichlorobenzene

Concen: 25.671 ug/L

RT: 13.59 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW004937.D

Acq: 24 Aug 2018 15:33

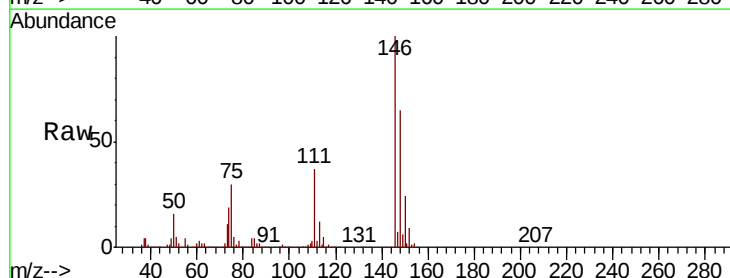
Tgt Ion:146 Resp: 590417

Ion Ratio Lower Upper

146 100

111 37.1 27.6 51.4

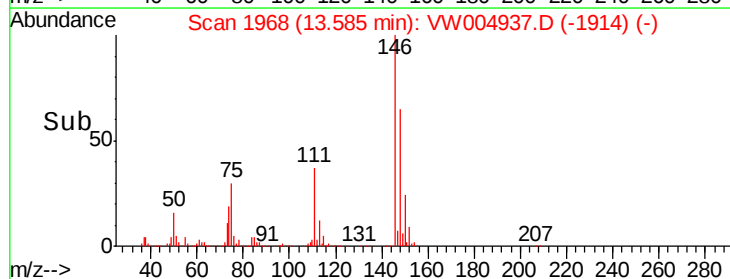
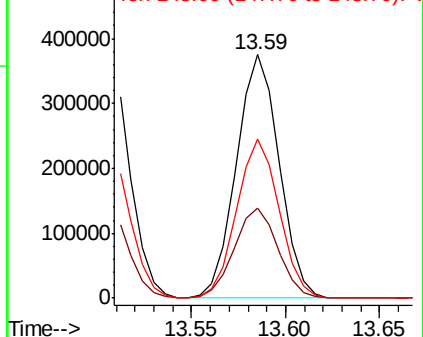
148 65.4 45.8 85.0

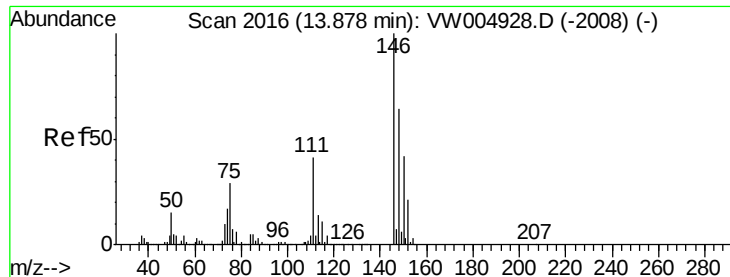


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

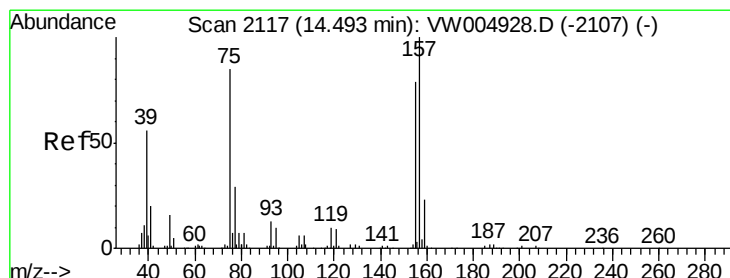
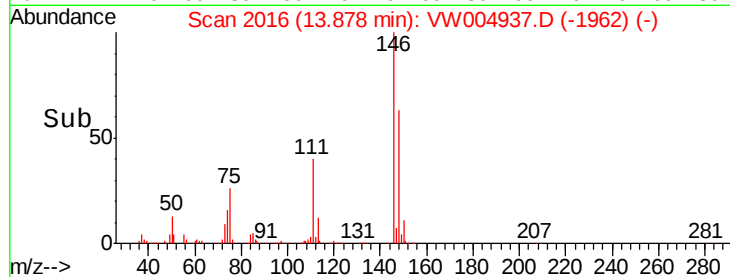
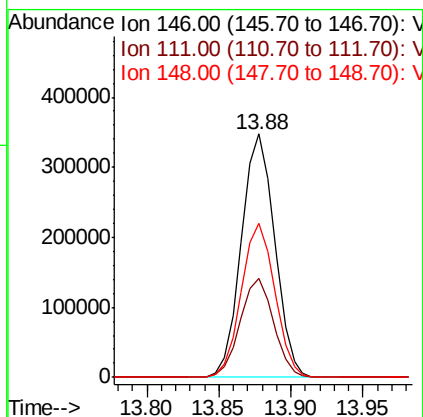
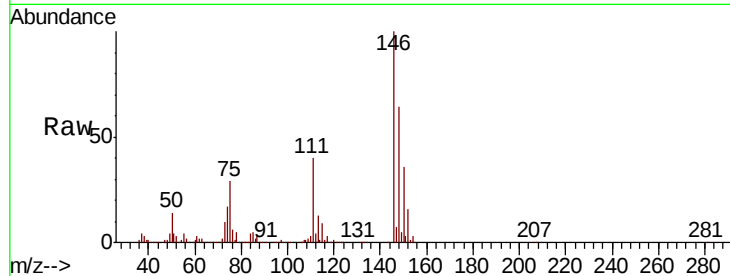




#65
 1,2-Dichlorobenzene
 Concen: 26.504 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004937.D
 Acq: 24 Aug 2018 15:33

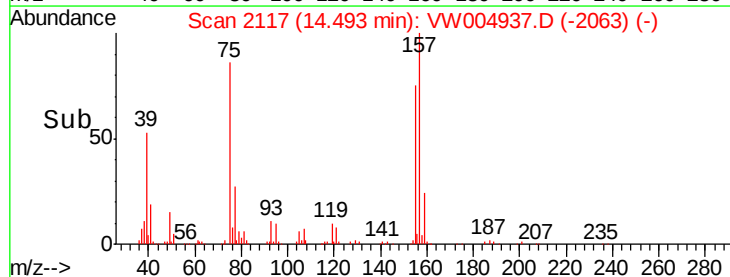
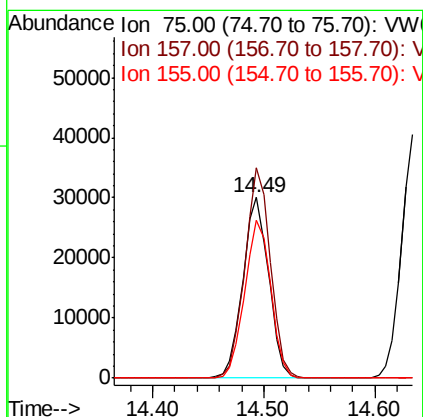
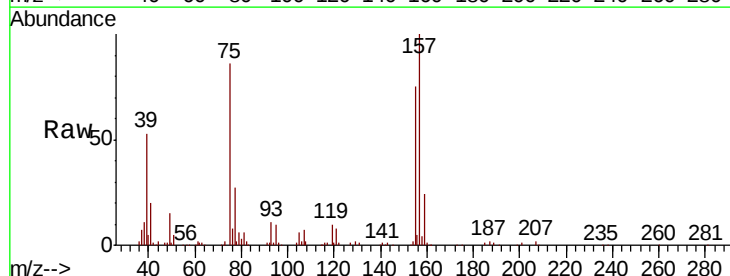
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

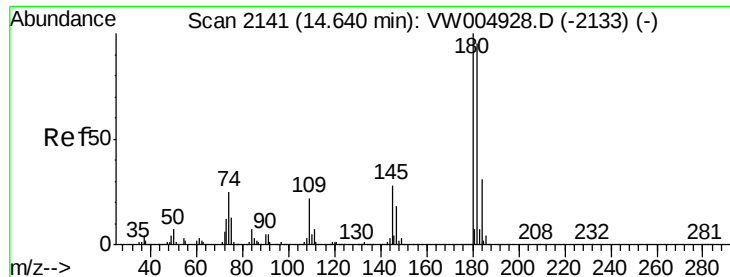
Tgt Ion: 146 Resp: 557895
 Ion Ratio Lower Upper
 146 100
 111 40.4 32.0 48.0
 148 63.5 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.088 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004937.D
 Acq: 24 Aug 2018 15:33

Tgt Ion: 75 Resp: 48353
 Ion Ratio Lower Upper
 75 100
 157 116.3 90.7 136.1
 155 87.6 69.5 104.3

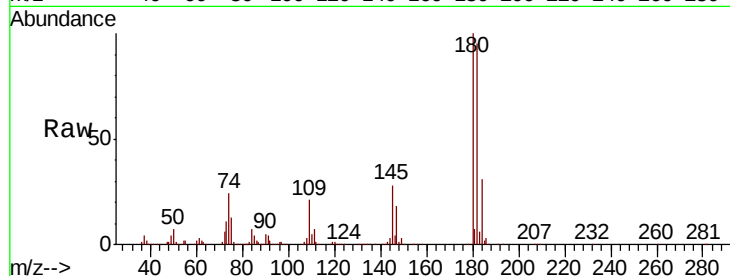




#67
 1,3,5-Trichlorobenzene
 Concen: 26.649 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004937.D
 Acq: 24 Aug 2018 15:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.0	114.0
184	30.2	24.3	36.5
145	28.1	23.0	34.6



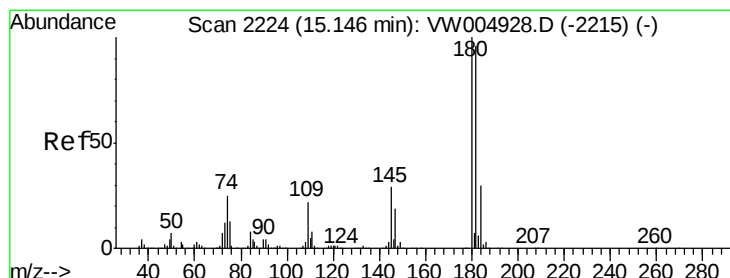
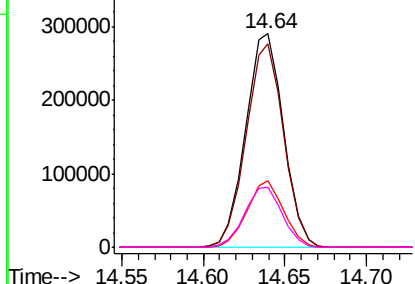
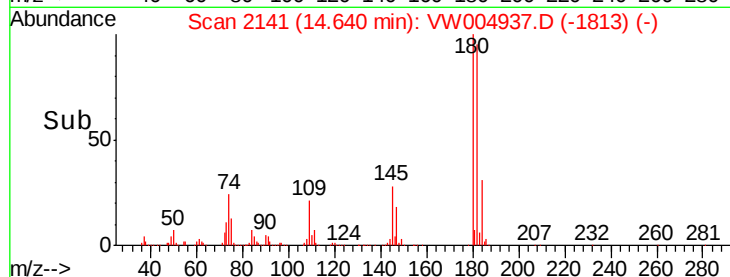
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

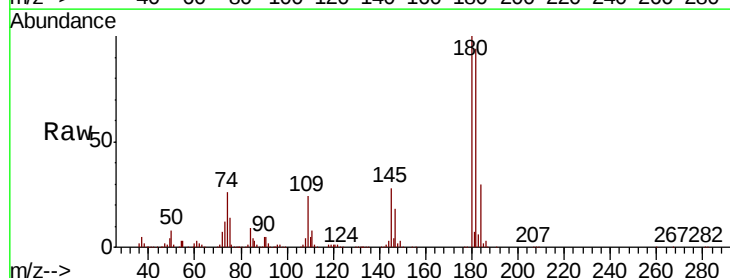
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.914 ug/L
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: VW004937.D
 Acq: 24 Aug 2018 15:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.1	114.1
145	28.9	23.3	34.9

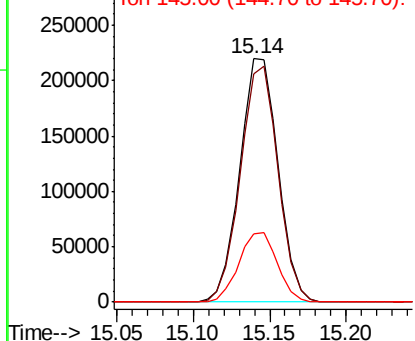
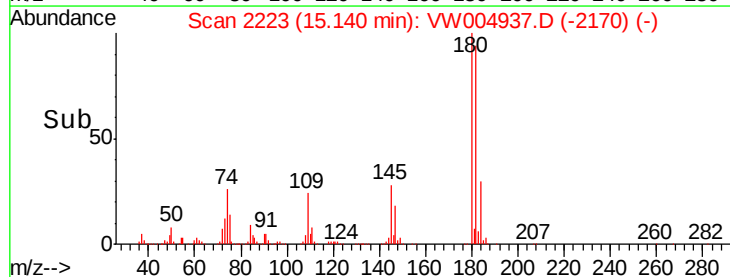


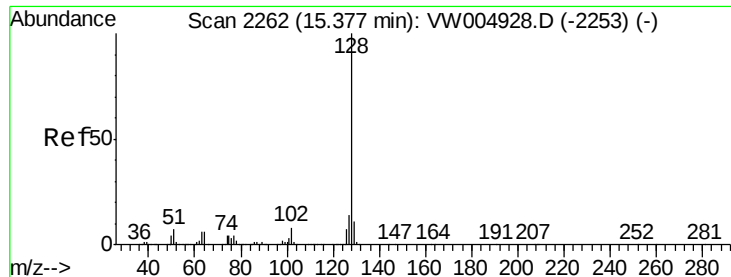
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 29.260 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004937.D

Acq: 24 Aug 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02590

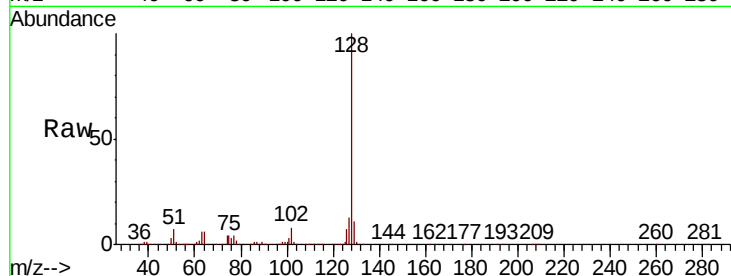
Tgt Ion:128 Resp: 844142

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

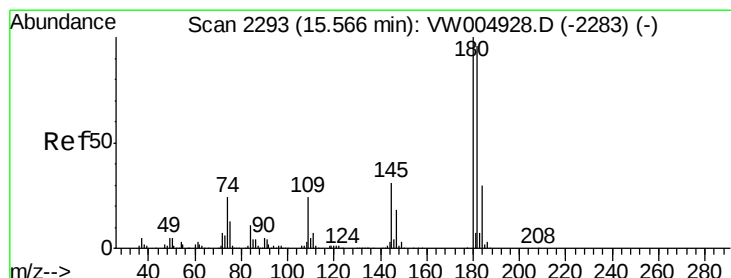
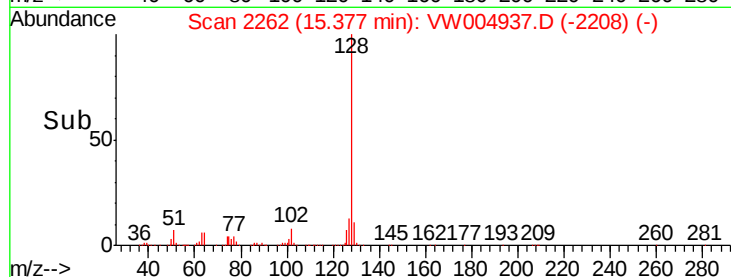
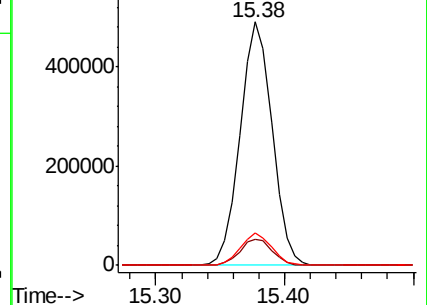
127 13.0 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 28.151 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004937.D

Acq: 24 Aug 2018 15:33

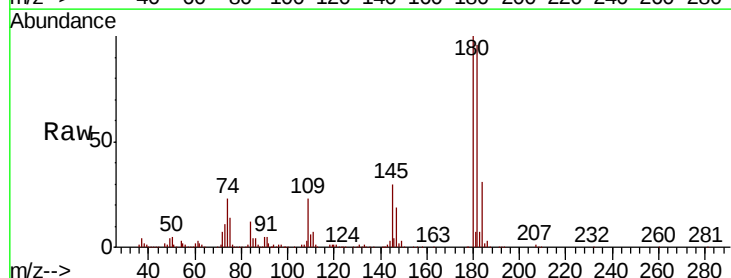
Tgt Ion:180 Resp: 376339

Ion Ratio Lower Upper

180 100

182 95.0 75.8 113.6

145 30.2 24.6 37.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

