

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081418\
 Data File : VW004657.D
 Acq On : 13 Aug 2018 20:36
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

Quant Time: Aug 14 01:21:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM080218S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 14 01:20:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	894580	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	873603	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	456082	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	194050	17.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.76%
7) Chloroethane-d5	2.89	69	191305	20.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.76%
10) 1,1-Dichloroethene-d2	4.02	63	468223	20.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.88%
20) 2-Butanone-d5	7.09	46	247976	50.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.08%
24) Chloroform-d	7.65	84	557426	23.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.08%
26) 1,2-Dichloroethane-d4	8.31	65	306418	22.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.76%
29) Benzene-d6	8.27	84	1034874	22.27	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.08%
33) 1,2-Dichloropropane-d6	9.28	67	349564	23.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.04%
37) Toluene-d8	10.33	98	914609	22.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.28%
38) trans-1,3-Dichloropropene-	10.58	79	140157	22.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.76%
39) 2-Hexanone-d5	10.93	63	193307	52.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.56%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	403271	24.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	402718	23.51	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.04%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	190681	20.501 ug/L	98
3) Chloromethane	2.21	50	227948	18.555 ug/L	100
5) Vinyl chloride	2.37	62	372434	23.232 ug/L	98
6) Bromomethane	2.78	94	211271	22.787 ug/L	98
8) Chloroethane	2.93	64	225181	23.413 ug/L	98
9) Trichlorofluoromethane	3.26	101	200316	27.394 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	309210	24.354 ug/L	97
12) 1,1-Dichloroethene	4.04	96	295740	23.842 ug/L	97
13) Acetone	4.14	43	206278	48.530 ug/L	100
14) Carbon disulfide	4.38	76	862728	22.675 ug/L	99
15) Methyl Acetate	4.67	43	199810	23.064 ug/L	99
16) Methylene chloride	4.91	84	373280	21.008 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	432415	25.754 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	313324	24.700 ug/L	99
19) 1,1-Dichloroethane	6.21	63	591449	24.571 ug/L	99
21) 2-Butanone	7.18	43	262987	45.202 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	354402	25.597 ug/L	98

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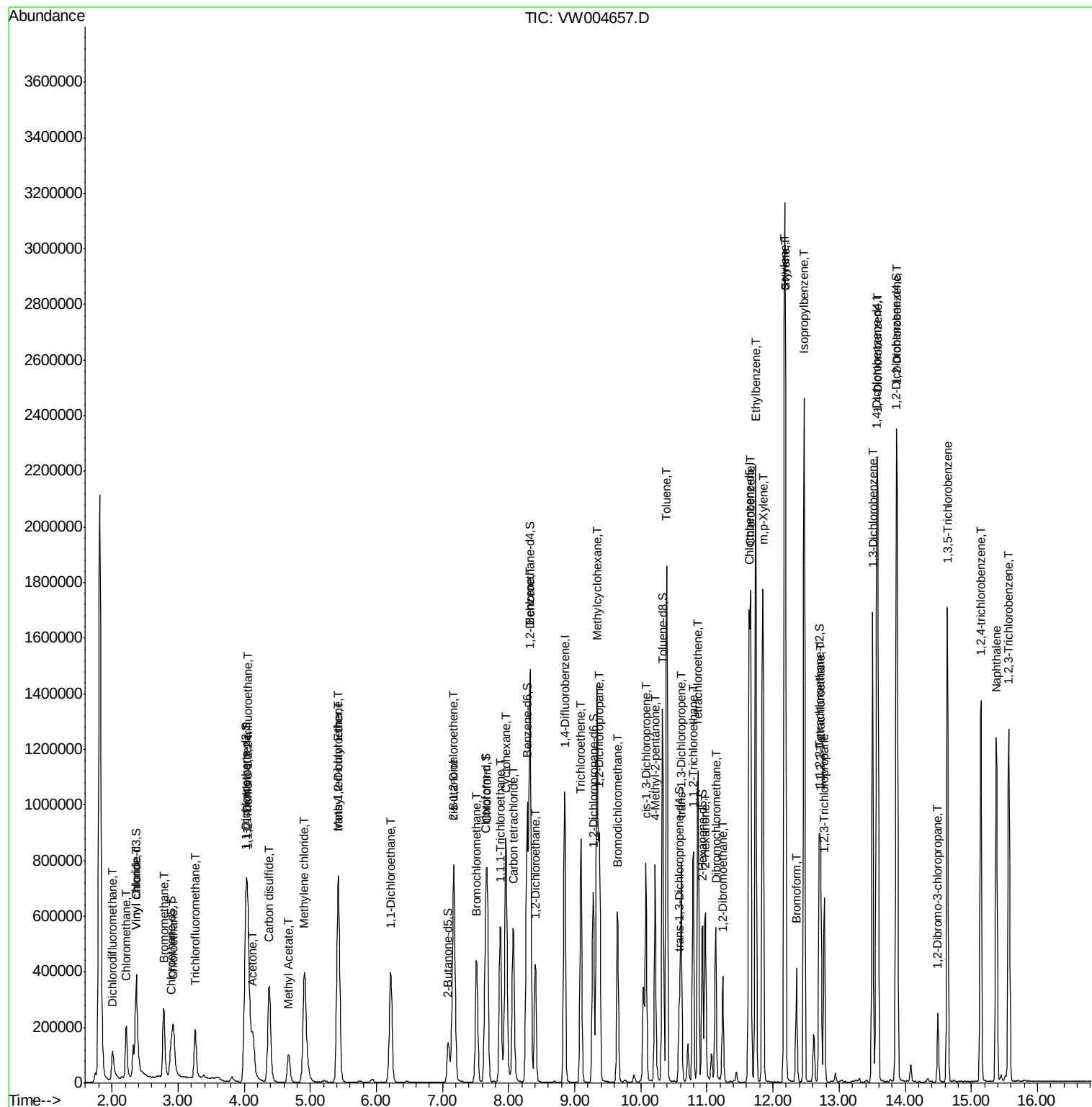
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	161562	24.380	ug/L	95
25) Chloroform	7.68	83	601001	24.461	ug/L	99
27) 1,2-Dichloroethane	8.40	62	381594	23.118	ug/L	99
30) Cyclohexane	7.96	56	519161	25.128	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	467376	25.181	ug/L	99
32) Carbon tetrachloride	8.07	117	437332	24.449	ug/L	100
34) Benzene	8.33	78	1326113	24.620	ug/L	100
35) Trichloroethene	9.09	95	324619	23.961	ug/L	99
36) Methylcyclohexane	9.34	83	589039	24.767	ug/L	99
40) 1,2-Dichloropropane	9.37	63	349370	24.491	ug/L	99
41) Bromodichloromethane	9.65	83	408387	23.833	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	483040	24.753	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	507169	47.416	ug/L	100
44) Toluene	10.39	91	1376394	25.393	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	427592	24.376	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	269693	24.318	ug/L	99
47) Tetrachloroethene	10.87	164	265008	24.722	ug/L	99
49) 2-Hexanone	10.98	43	383577	47.721	ug/L	99
50) Dibromochloromethane	11.13	129	298949	24.300	ug/L	99
51) 1,2-Dibromoethane	11.24	107	258451	24.312	ug/L #	98
52) Chlorobenzene	11.66	112	907024	24.744	ug/L	99
53) Ethylbenzene	11.74	91	1554321	25.519	ug/L	99
54) m,p-Xylene	11.85	106	588240	25.886	ug/L	96
55) o-xylene	12.17	106	563608	26.175	ug/L	100
56) Styrene	12.19	104	1005644	26.803	ug/L	98
57) Isopropylbenzene	12.47	105	1569684	26.932	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	379328	23.566	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	283155	23.554	ug/L	99
62) Bromoform	12.35	173	192766	23.256	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	697339	24.572	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	739930	24.260	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	697709	24.537	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	62280	21.322	ug/L	95
67) 1,3,5-Trichlorobenzene	14.64	180	560905	24.932	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	465436	25.573	ug/L	99
69) Naphthalene	15.38	128	1046342	25.209	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	456425	25.751	ug/L	100

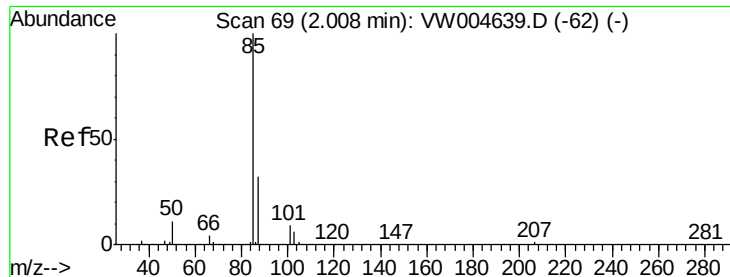
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.501 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004657.D

Acq: 13 Aug 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

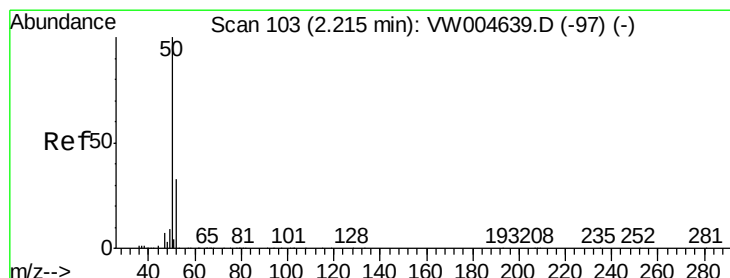
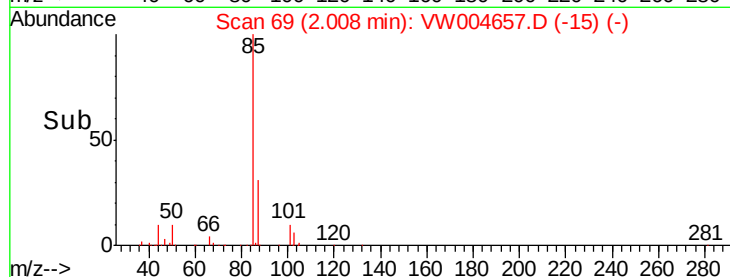
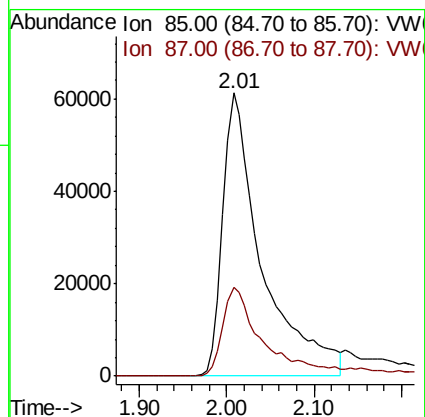
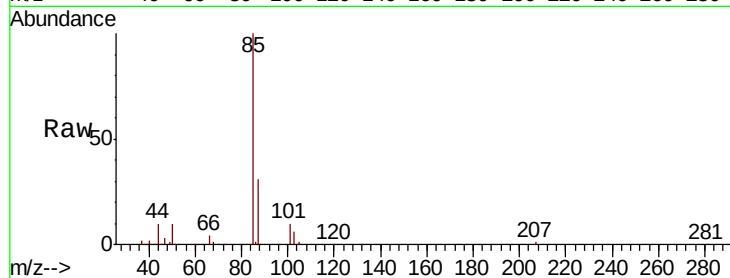
VSTD02588

Tgt Ion: 85 Resp: 190681

Ion Ratio Lower Upper

85 100

87 28.0 20.2 37.4



#3

Chloromethane

Concen: 18.555 ug/L

RT: 2.21 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004657.D

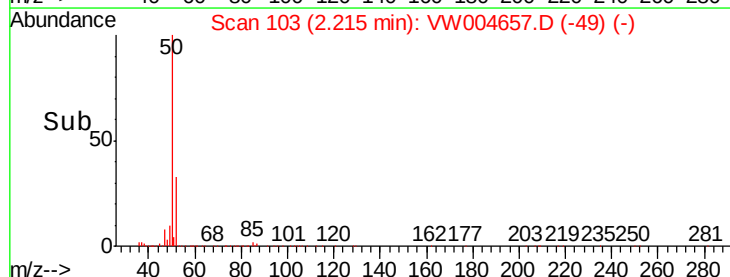
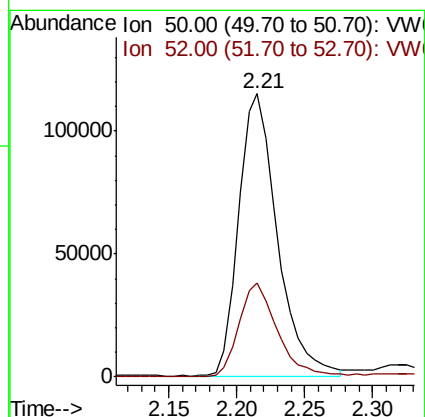
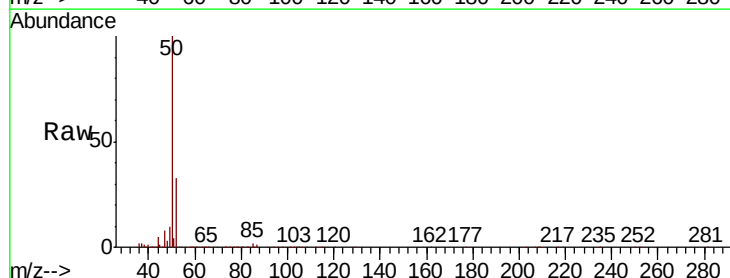
Acq: 13 Aug 2018 20:36

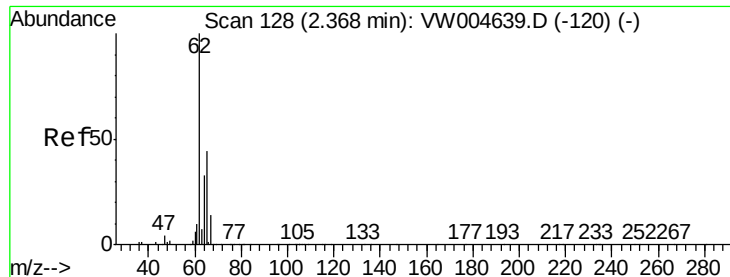
Tgt Ion: 50 Resp: 227948

Ion Ratio Lower Upper

50 100

52 33.2 23.4 43.6





#5

Vinyl chloride

Concen: 23.232 ug/L

RT: 2.37 min Scan# 128

Delta R.T. -0.00 min

Lab File: VW004657.D

Acq: 13 Aug 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

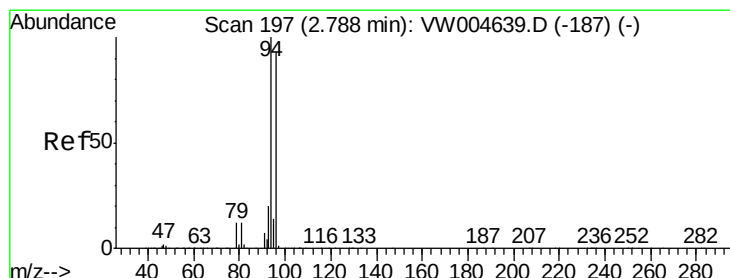
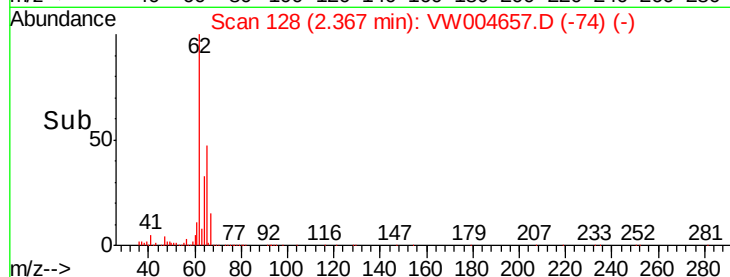
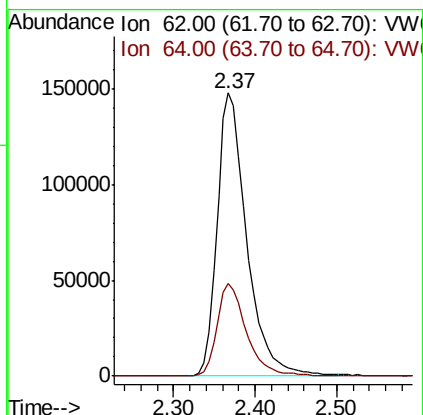
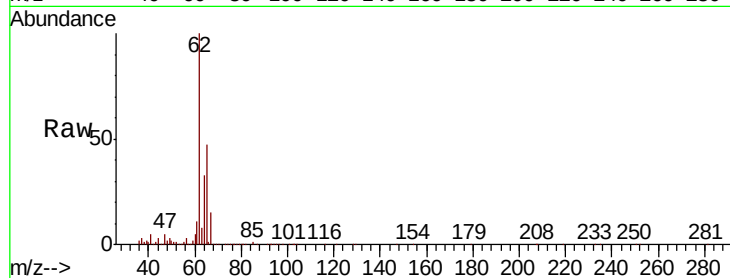
VSTD02588

Tgt Ion: 62 Resp: 372434

Ion Ratio Lower Upper

62 100

64 32.9 24.0 44.6



#6

Bromomethane

Concen: 22.787 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW004657.D

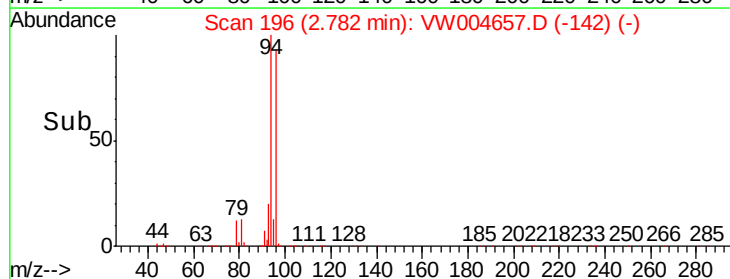
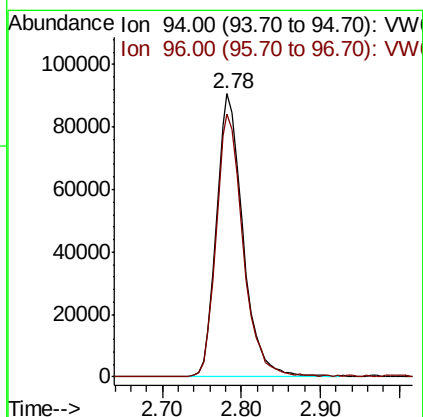
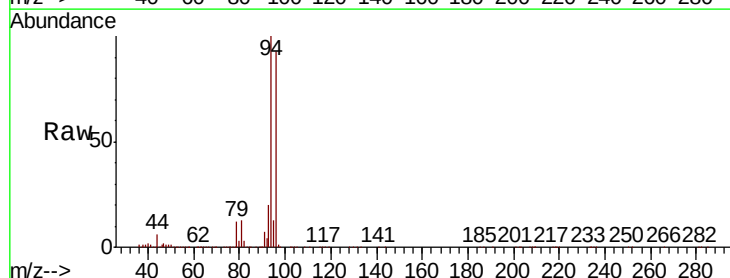
Acq: 13 Aug 2018 20:36

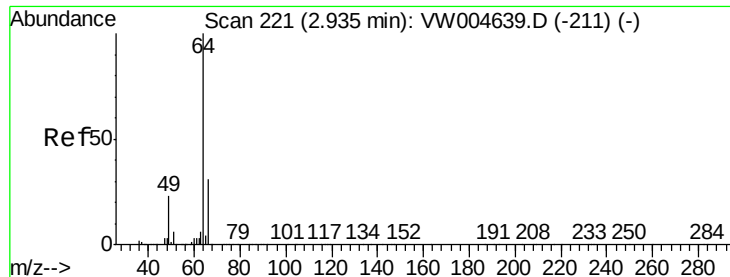
Tgt Ion: 94 Resp: 211271

Ion Ratio Lower Upper

94 100

96 93.8 9.2 175.2

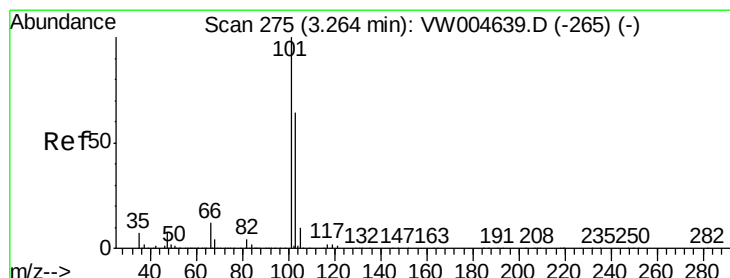
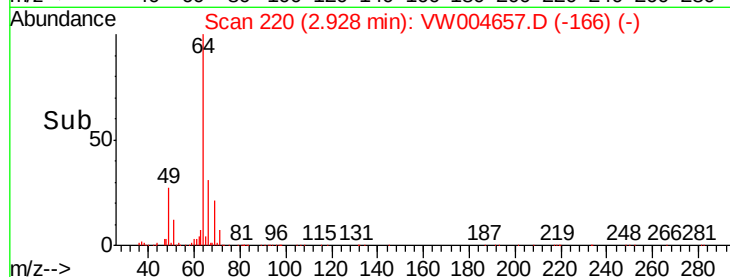
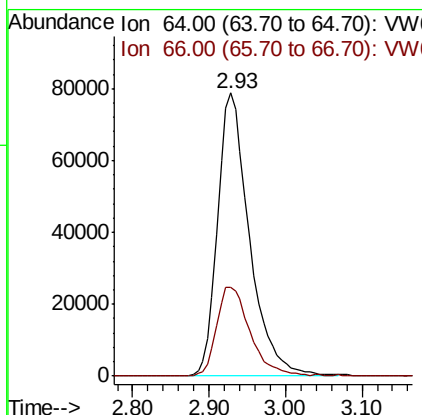
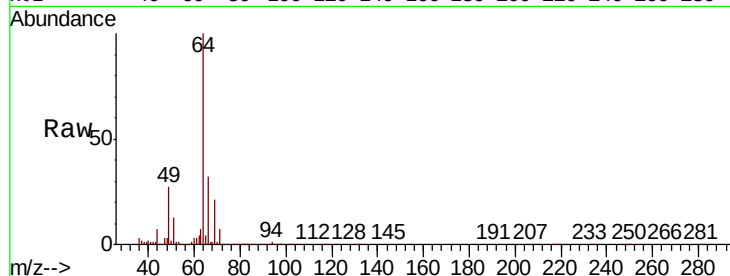




#8
Chloroethane
Concen: 23.413 ug/L
RT: 2.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VW004657.D
Acq: 13 Aug 2018 20:36

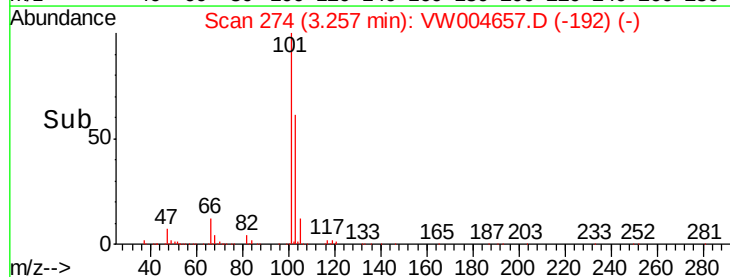
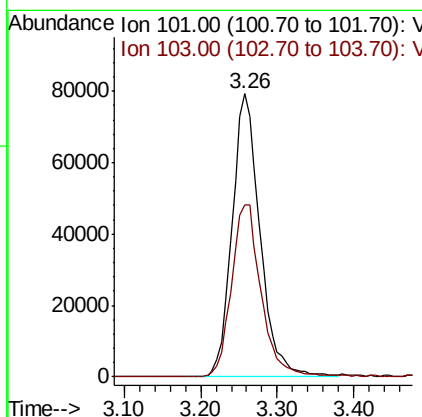
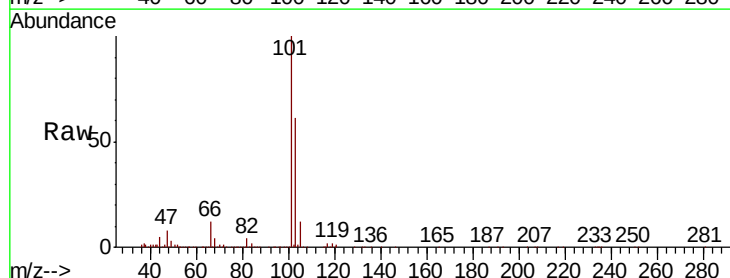
Instrument :
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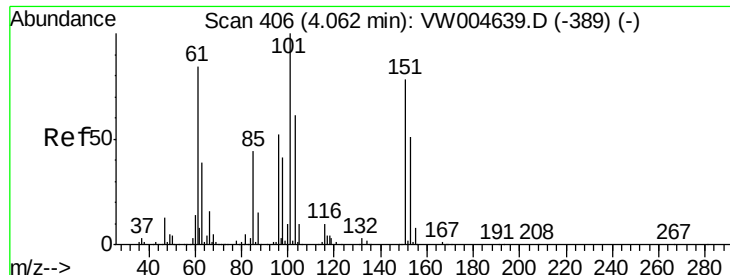
Tgt Ion: 64 Resp: 225181
Ion Ratio Lower Upper
64 100
66 31.5 22.8 42.4



#9
Trichlorofluoromethane
Concen: 27.394 ug/L
RT: 3.26 min Scan# 274
Delta R.T. -0.00 min
Lab File: VW004657.D
Acq: 13 Aug 2018 20:36

Tgt Ion: 101 Resp: 200316
Ion Ratio Lower Upper
101 100
103 64.3 45.3 84.1





#11

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

Concen: 24.354 ug/L

RT: 4.06 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW004657.D

Acq: 13 Aug 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

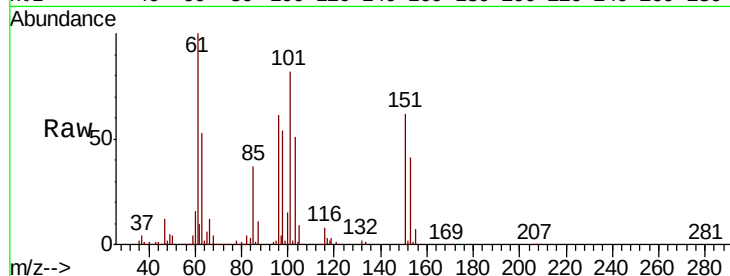
Tgt Ion:101 Resp: 309210

Ion Ratio Lower Upper

101 100

85 43.6 35.6 53.4

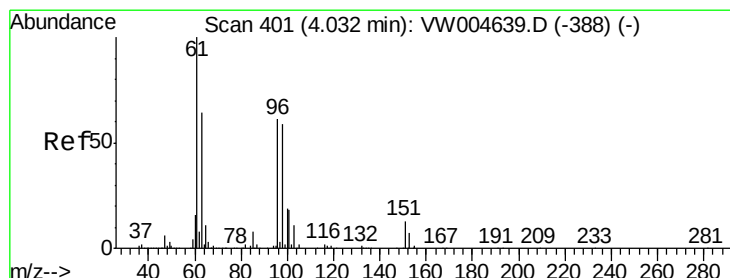
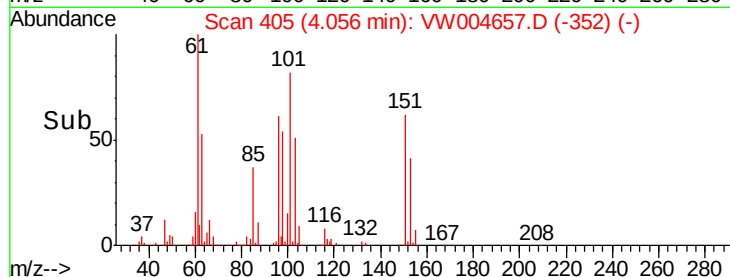
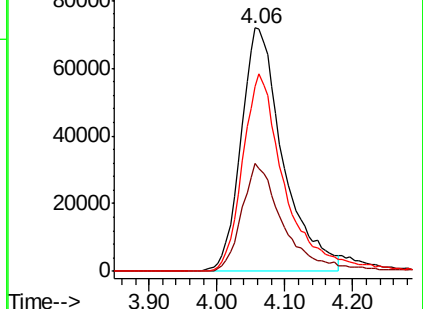
151 81.5 62.6 94.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.842 ug/L

RT: 4.04 min Scan# 402

Delta R.T. 0.01 min

Lab File: VW004657.D

Acq: 13 Aug 2018 20:36

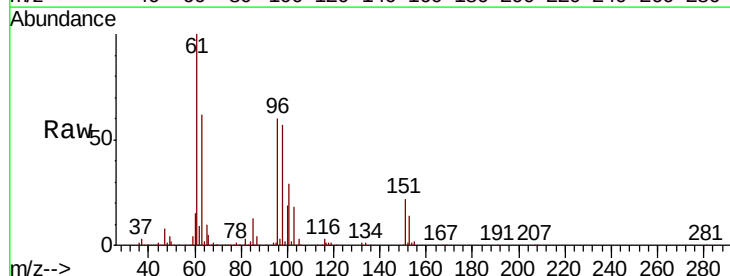
Tgt Ion: 96 Resp: 295740

Ion Ratio Lower Upper

96 100

61 166.7 115.9 215.3

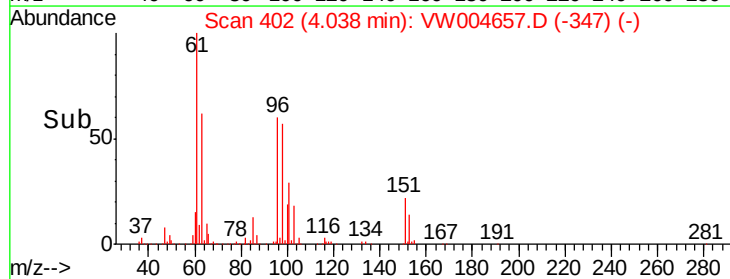
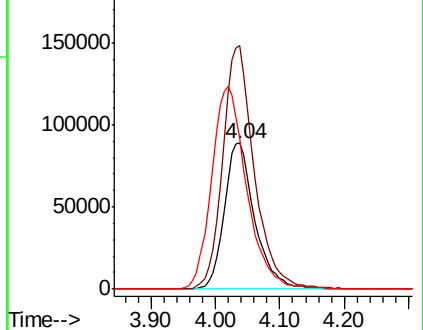
63 103.7 78.0 144.9

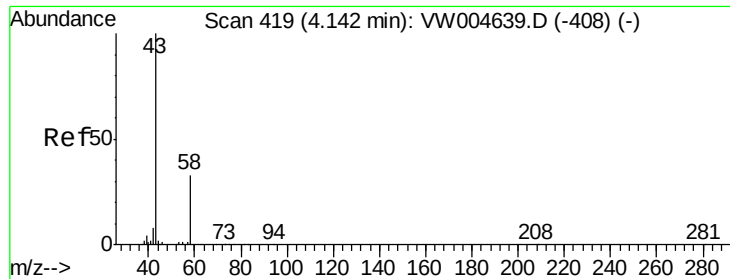


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 48.530 ug/L

RT: 4.14 min Scan# 418

Delta R.T. -0.01 min

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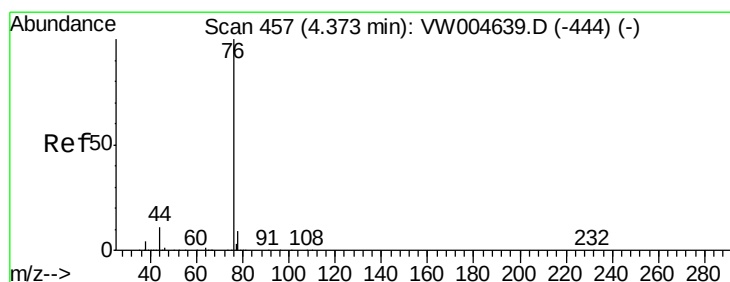
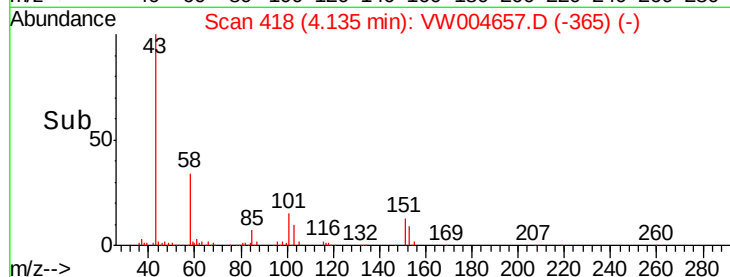
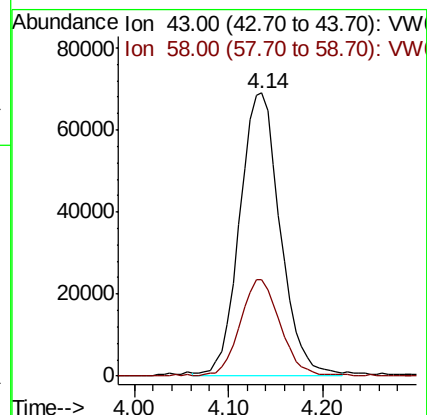
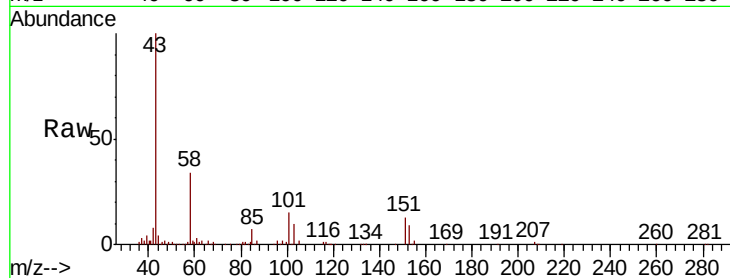
VSTD02588

Tgt Ion: 43 Resp: 206278

Ion Ratio Lower Upper

43 100

58 33.1 0.0 66.4



#14

Carbon disulfide

Concen: 22.675 ug/L

RT: 4.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW004657.D

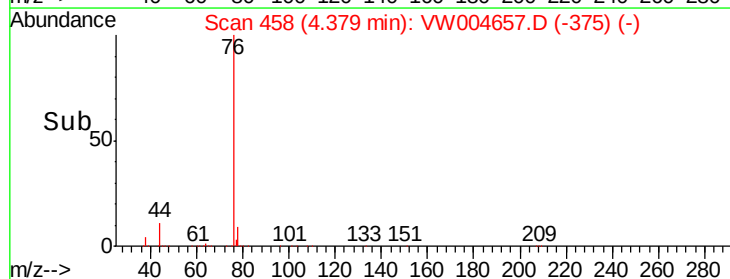
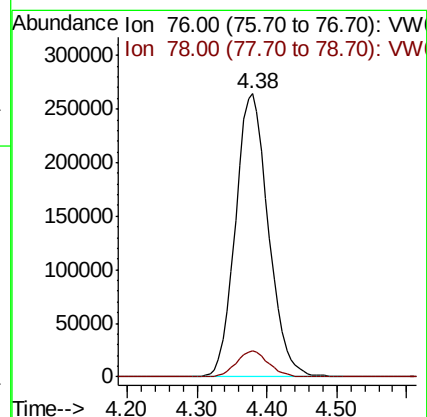
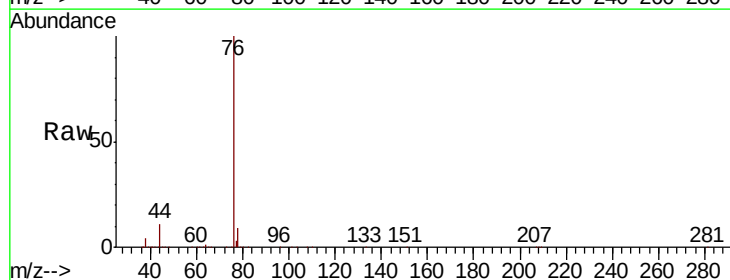
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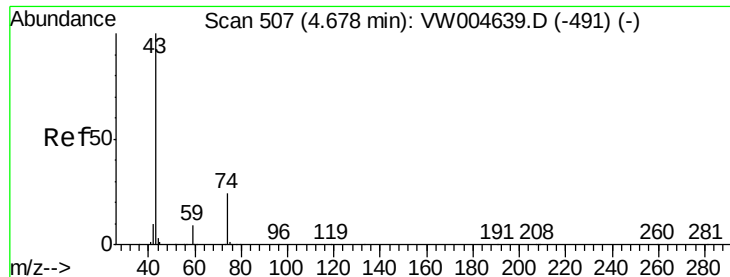
Tgt Ion: 76 Resp: 862728

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

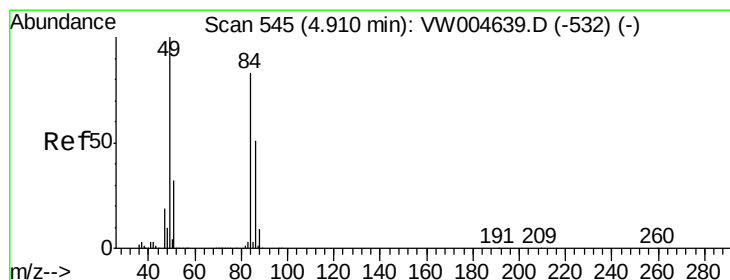
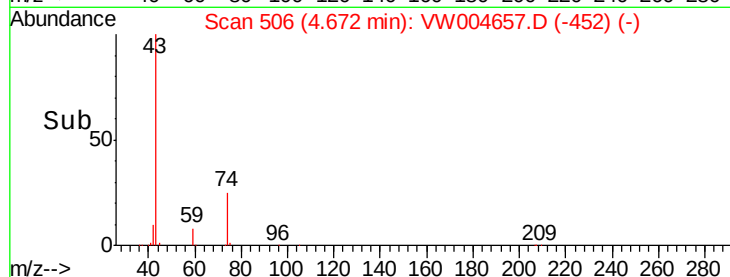
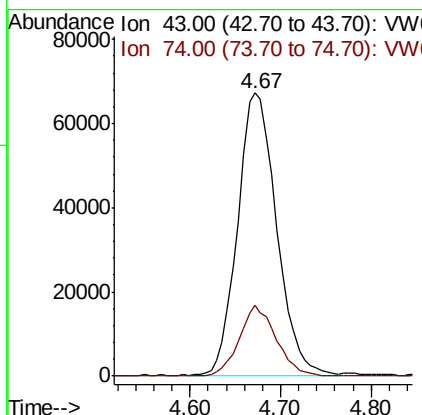
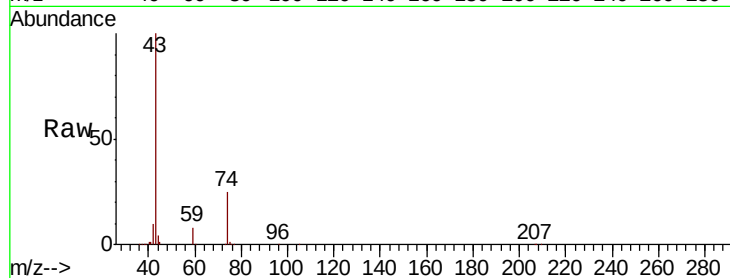




#15
Methyl Acetate
Concen: 23.064 ug/L
RT: 4.67 min Scan# 506
Delta R.T. -0.00 min
Lab File: VW004657.D
Acq: 13 Aug 2018 20:36

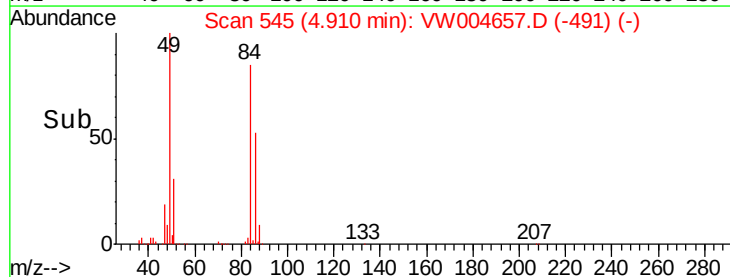
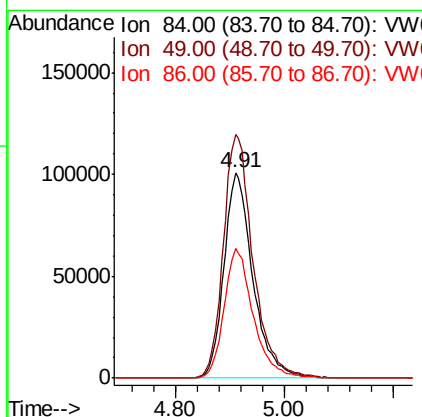
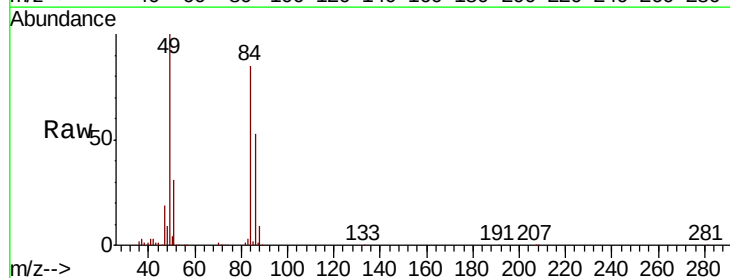
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

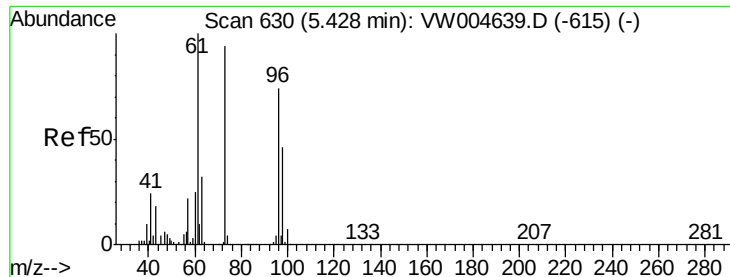
Tgt Ion: 43 Resp: 199810
Ion Ratio Lower Upper
43 100
74 23.6 18.6 28.0



#16
Methylene chloride
Concen: 21.008 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW004657.D
Acq: 13 Aug 2018 20:36

Tgt Ion: 84 Resp: 373280
Ion Ratio Lower Upper
84 100
49 118.3 86.0 159.6
86 63.2 43.5 80.9

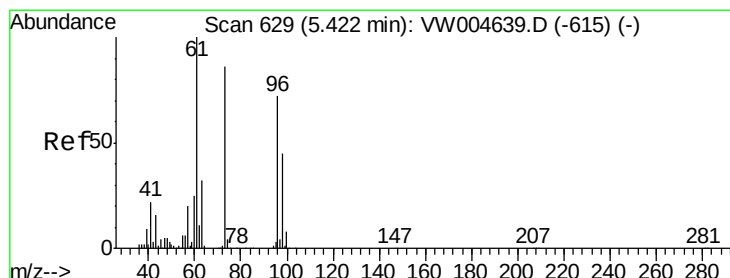
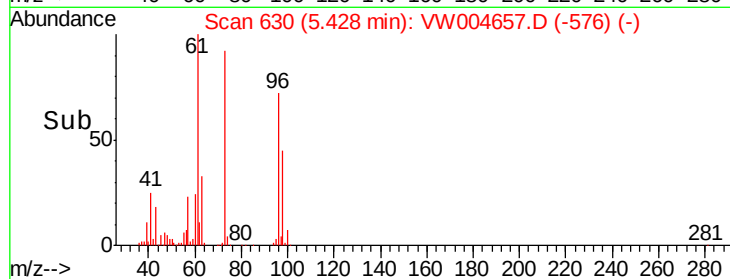
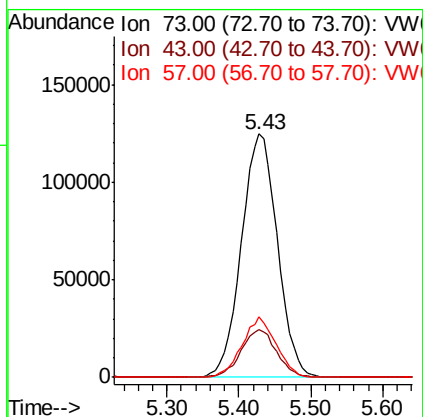
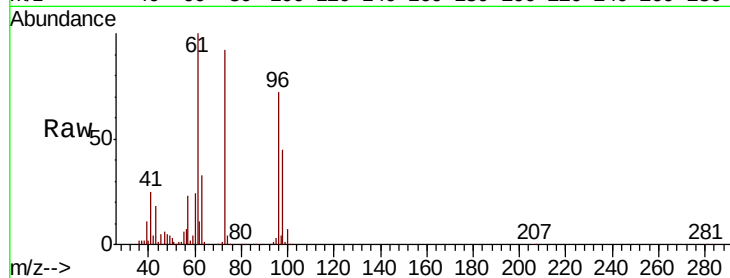




#17
Methyl tert-butyl Ether
Concen: 25.754 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004657.D
Acq: 13 Aug 2018 20:36

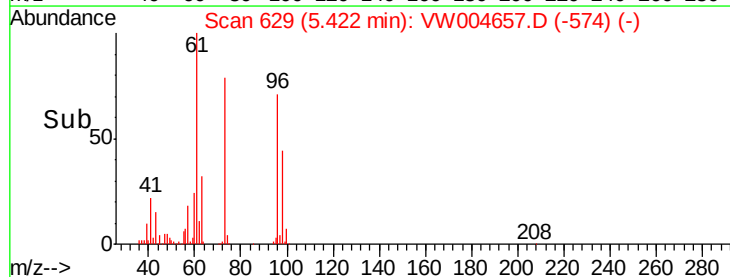
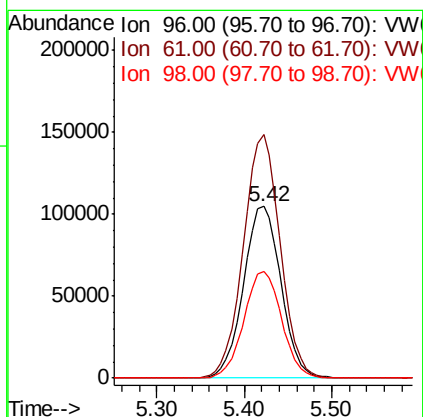
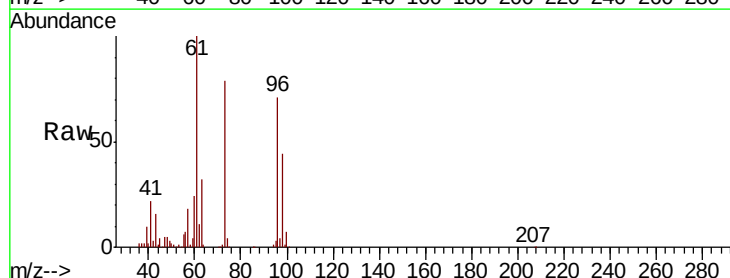
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

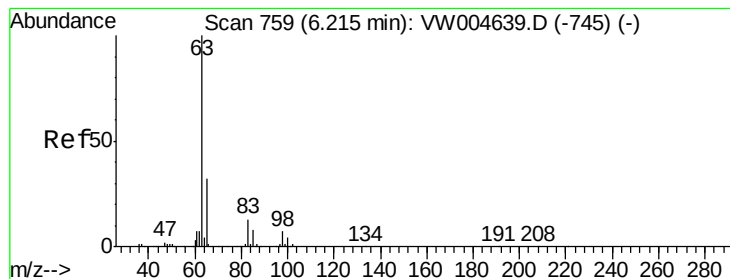
Tgt Ion: 73 Resp: 432415
Ion Ratio Lower Upper
73 100
43 19.0 16.2 24.2
57 23.5 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 24.700 ug/L
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW004657.D
Acq: 13 Aug 2018 20:36

Tgt Ion: 96 Resp: 313324
Ion Ratio Lower Upper
96 100
61 141.8 97.9 181.7
98 61.9 43.0 79.8





#19

1,1-Dichloroethane

Concen: 24.571 ug/L

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW004657.D

Acq: 13 Aug 2018 20:36

Instrument :

MSVOA_W

ClientSampled :

VSTD02588

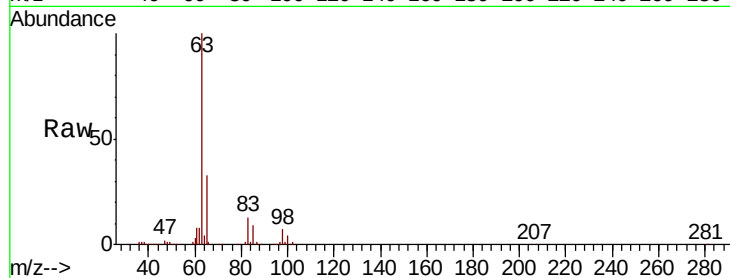
Tgt Ion: 63 Resp: 591449

Ion Ratio Lower Upper

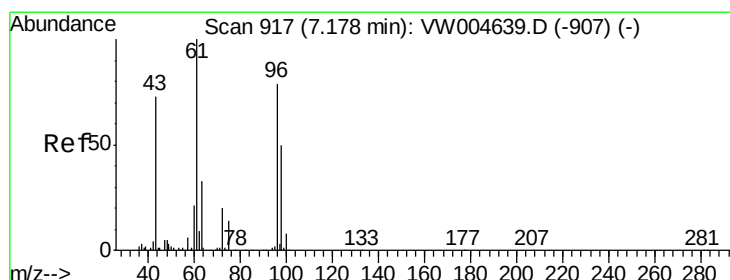
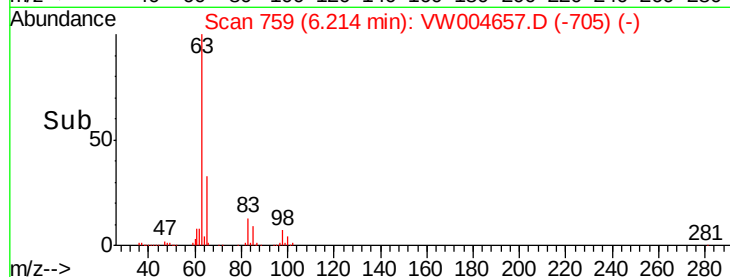
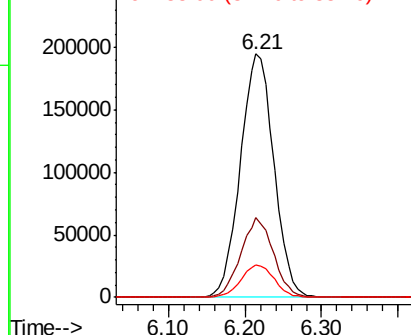
63 100

65 32.6 22.5 41.7

83 13.2 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 45.202 ug/L

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW004657.D

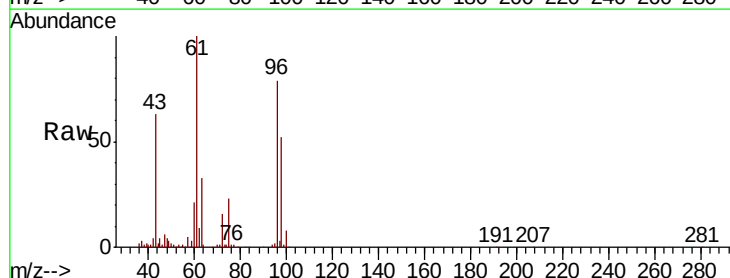
Acq: 13 Aug 2018 20:36

Tgt Ion: 43 Resp: 262987

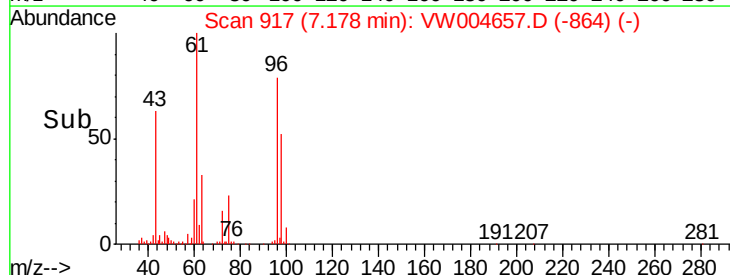
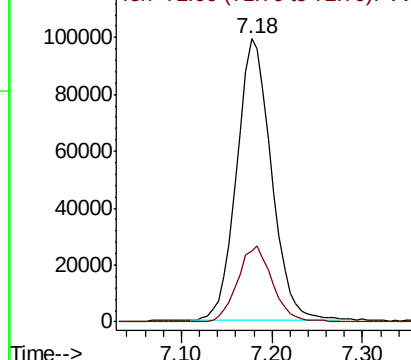
Ion Ratio Lower Upper

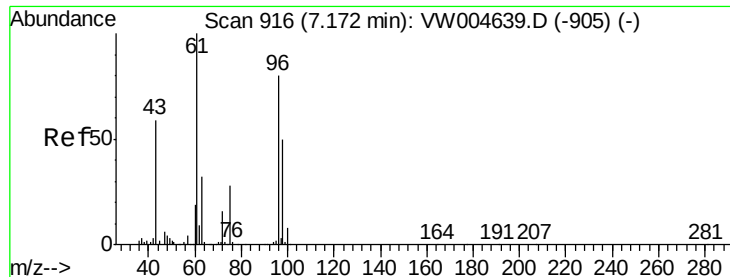
43 100

72 26.9 13.2 39.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



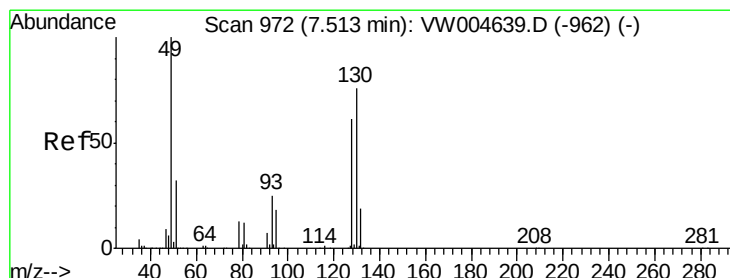
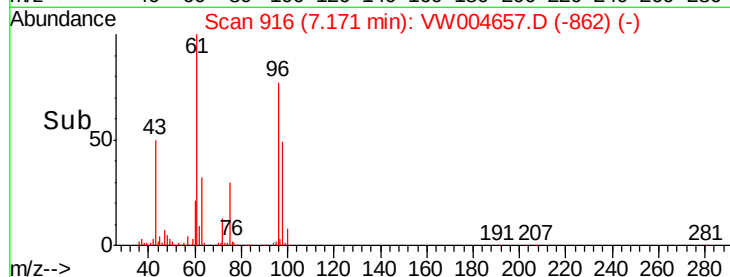
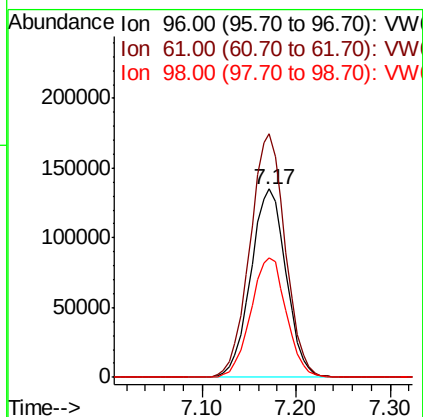
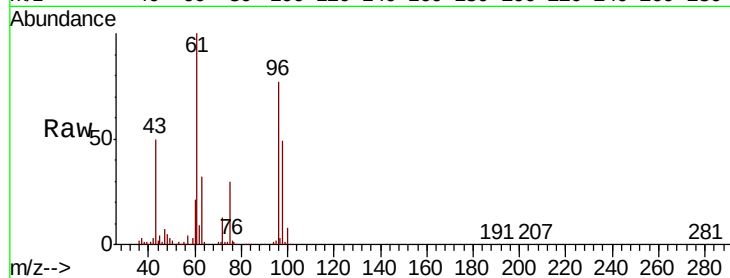


#22

cis-1,2-Dichloroethene
 Concen: 25.597 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VW004657.D
 Acq: 13 Aug 2018 20:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

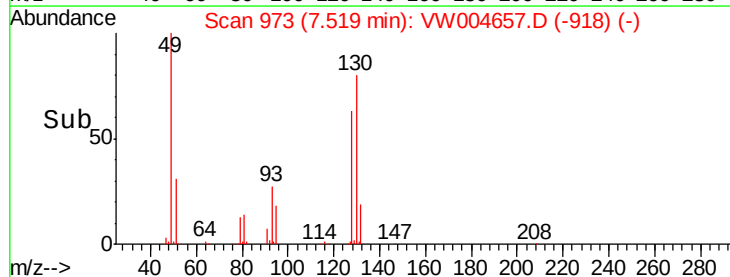
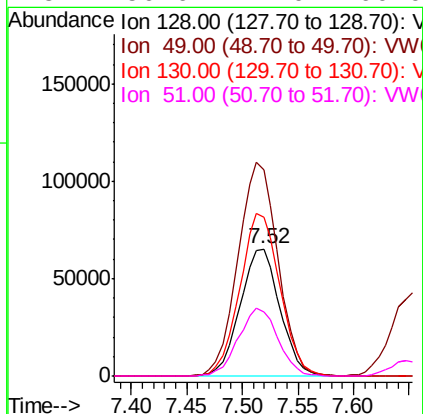
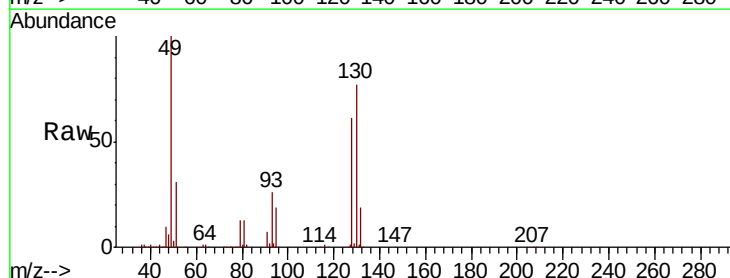
Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.5	92.5	171.7
98	63.8	44.1	81.9

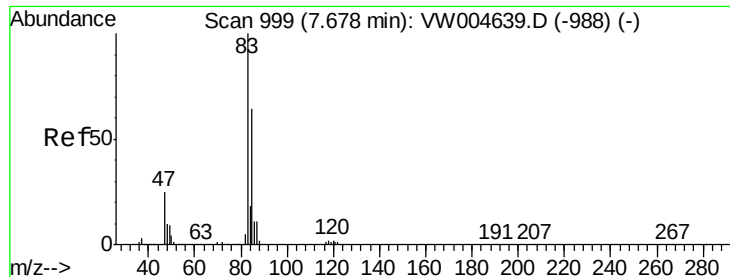


#23

Bromochloromethane
 Concen: 24.380 ug/L
 RT: 7.52 min Scan# 973
 Delta R.T. 0.01 min
 Lab File: VW004657.D
 Acq: 13 Aug 2018 20:36

Tgt Ion	Ratio	Lower	Upper
128	100		
49	162.8	122.0	226.6
130	125.3	88.8	164.8
51	50.6	44.0	66.0

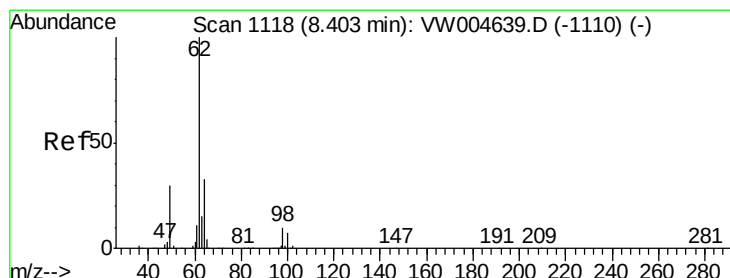
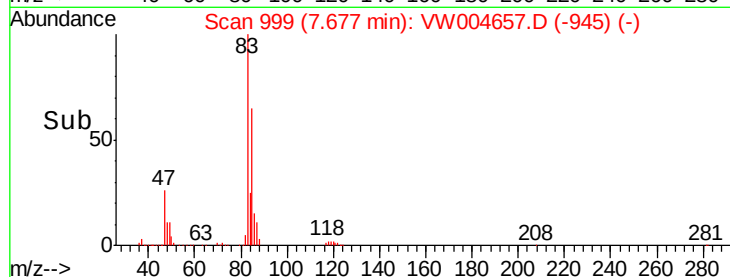
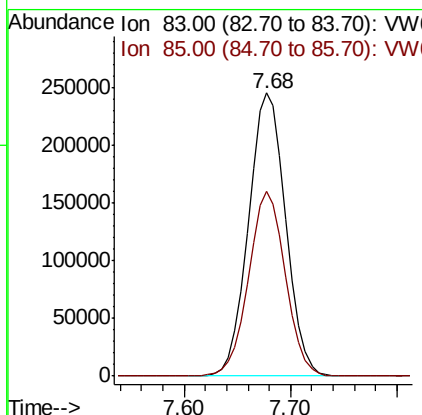
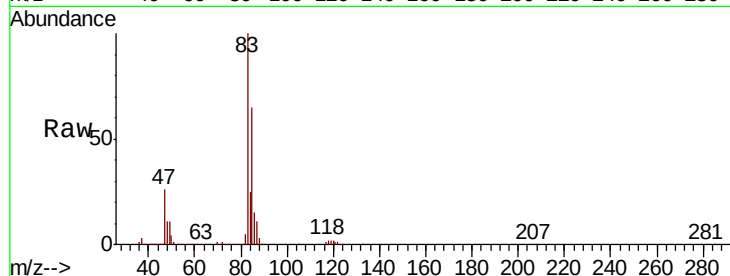




#25
Chloroform
Concen: 24.461 ug/L
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004657.D
Acq: 13 Aug 2018 20:36

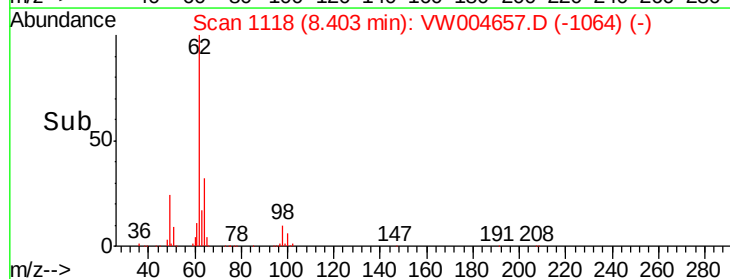
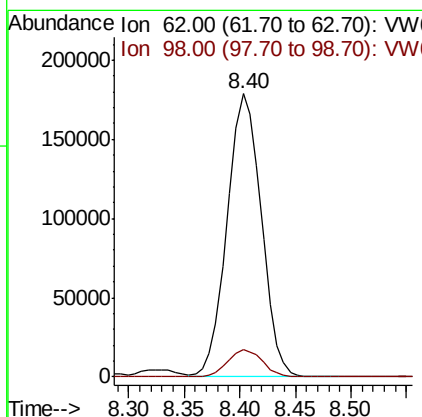
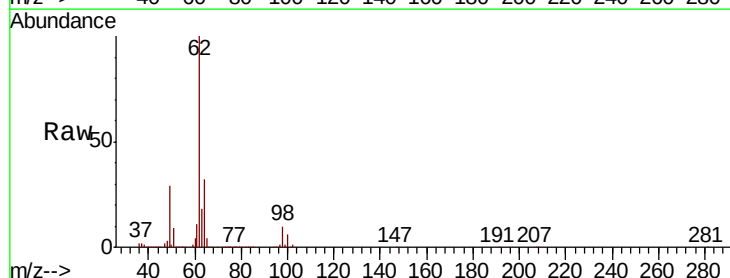
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

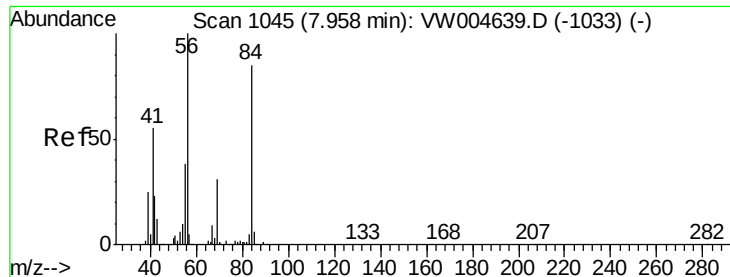
Tgt Ion: 83 Resp: 601001
Ion Ratio Lower Upper
83 100
85 64.8 45.7 84.9



#27
1,2-Dichloroethane
Concen: 23.118 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004657.D
Acq: 13 Aug 2018 20:36

Tgt Ion: 62 Resp: 381594
Ion Ratio Lower Upper
62 100
98 9.8 7.6 11.4

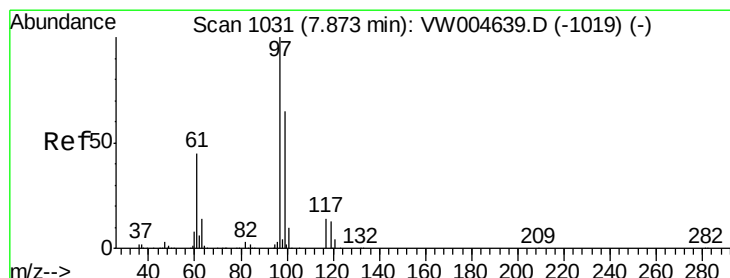
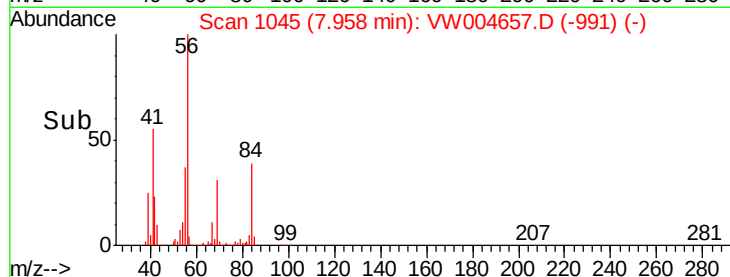
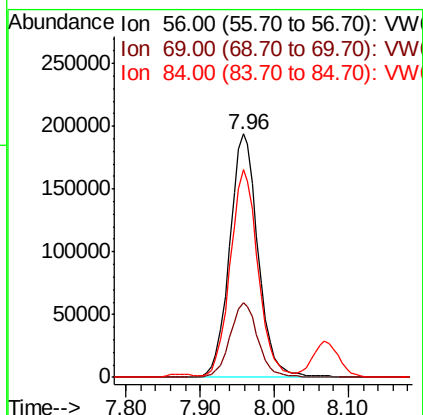
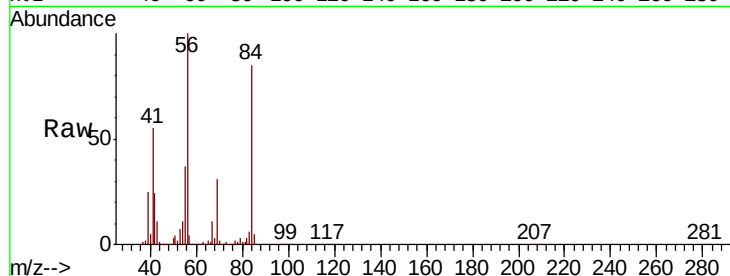




#30
Cyclohexane
Concen: 25.128 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004657.D
Acq: 13 Aug 2018 20:36

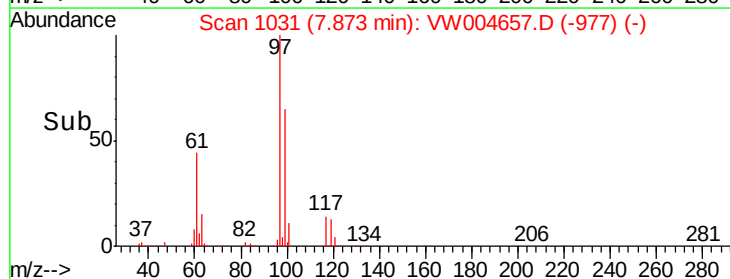
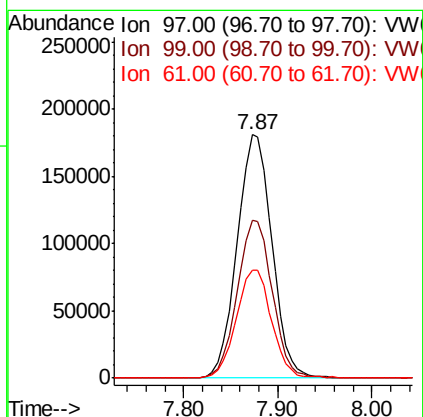
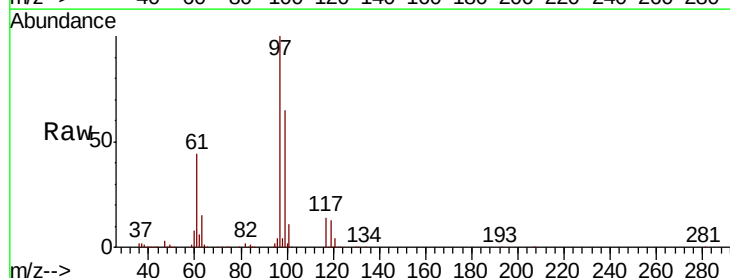
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

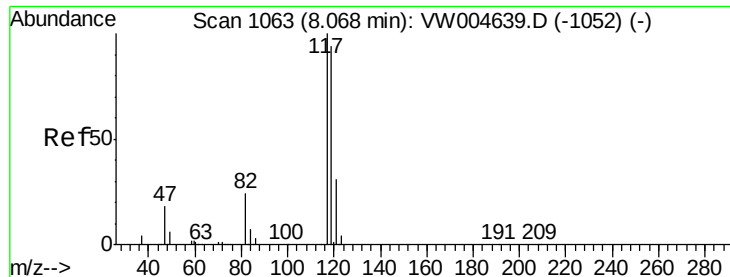
Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.0	36.0
84	83.6	66.7	100.1



#31
1,1,1-Trichloroethane
Concen: 25.181 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004657.D
Acq: 13 Aug 2018 20:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.8	77.6
61	45.0	37.3	55.9





#32

Carbon tetrachloride

Concen: 24.449 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW004657.D

Acq: 13 Aug 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

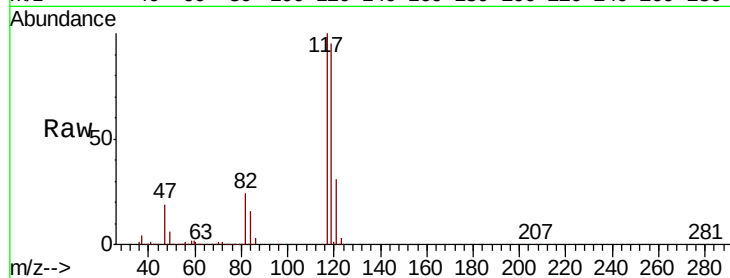
VSTD02588

Tgt Ion:117 Resp: 437332

Ion Ratio Lower Upper

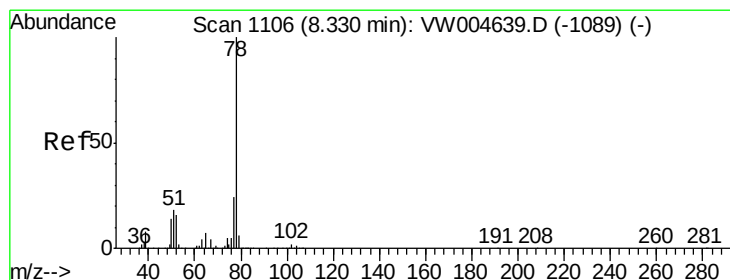
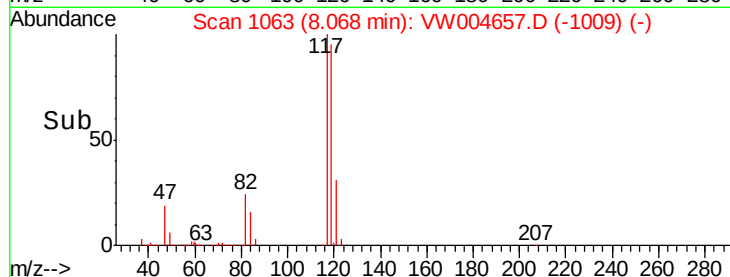
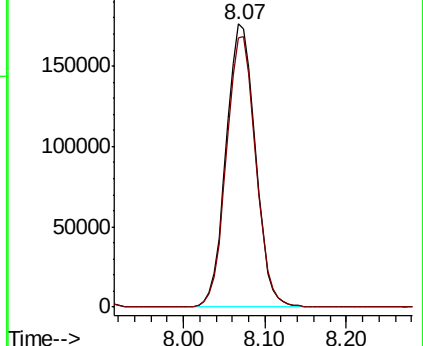
117 100

119 95.7 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.620 ug/L

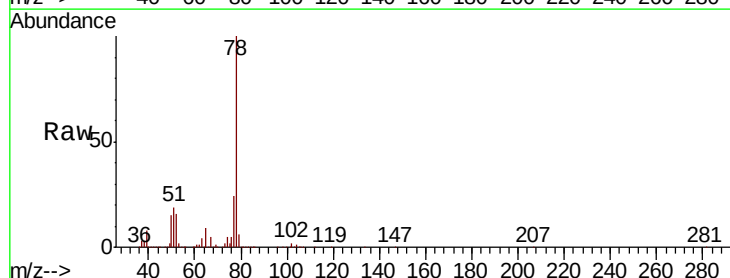
RT: 8.33 min Scan# 1106

Delta R.T. 0.01 min

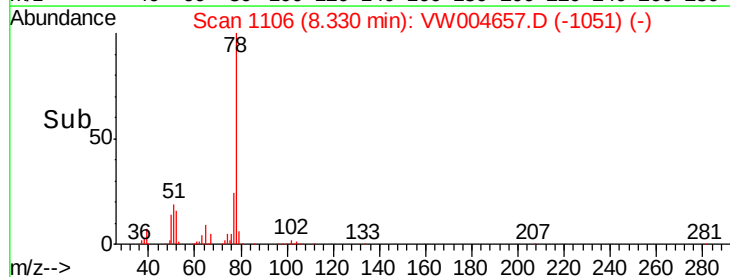
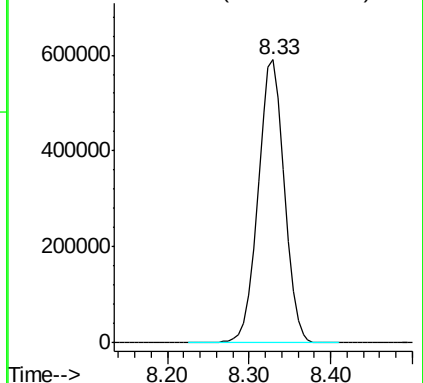
Lab File: VW004657.D

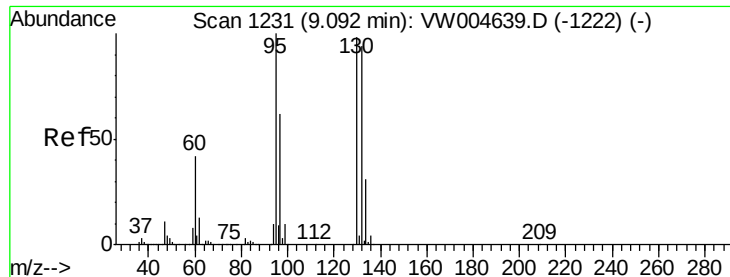
Acq: 13 Aug 2018 20:36

Tgt Ion: 78 Resp: 1326113



Abundance Ion 78.00 (77.70 to 78.70): VW

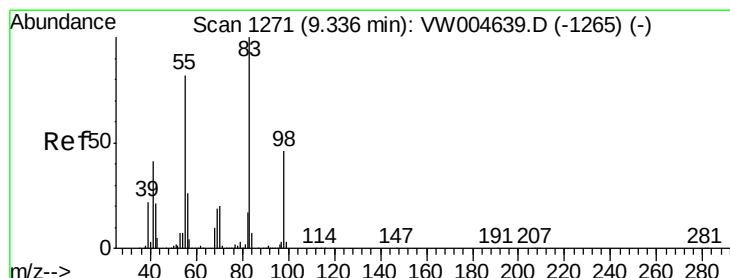
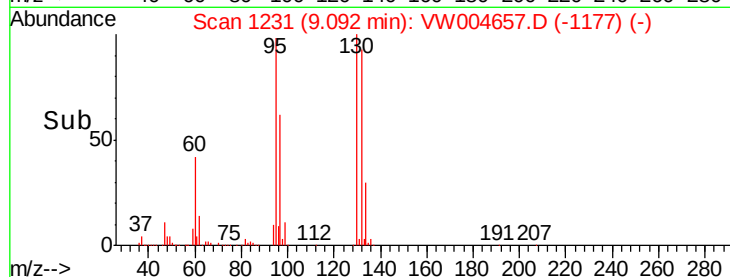
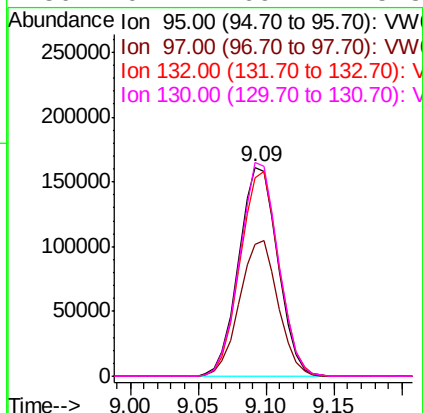
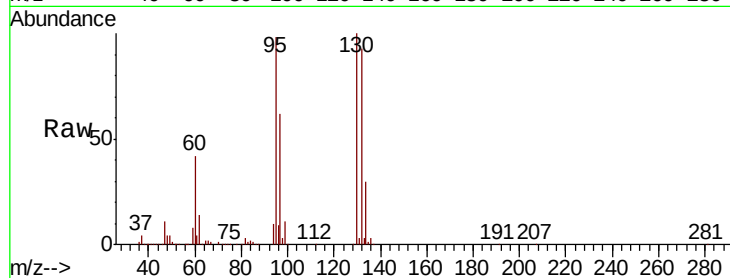




#35
 Trichloroethene
 Concen: 23.961 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW004657.D
 Acq: 13 Aug 2018 20:36

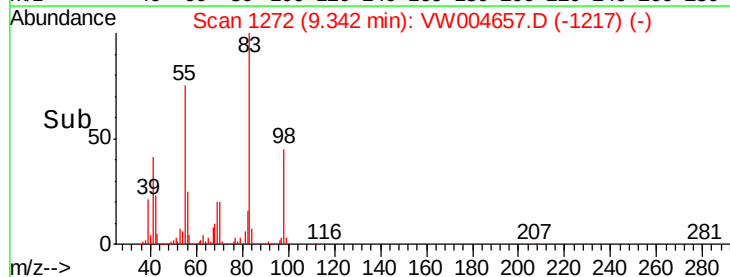
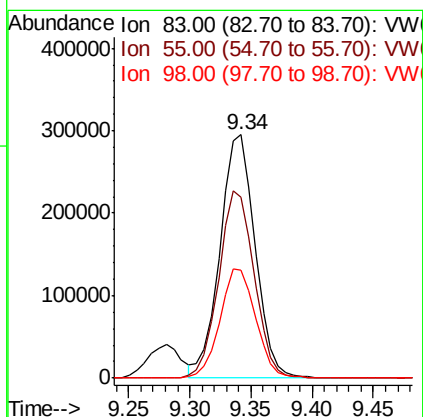
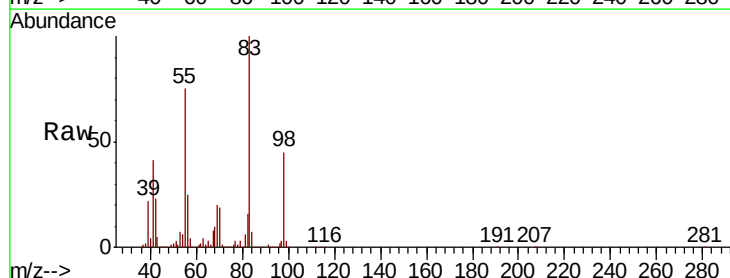
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

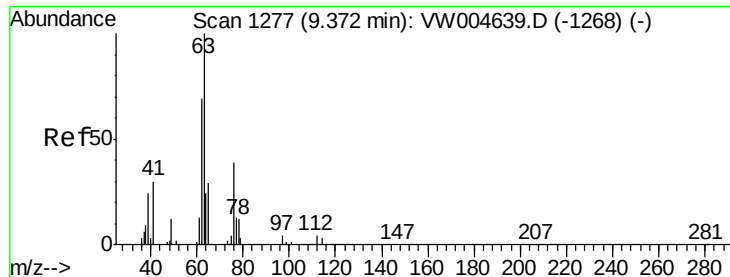
Tgt Ion:	95	Resp:	324619
Ion	Ratio	Lower	Upper
95	100		
97	64.1	44.9	83.5
132	97.2	67.6	125.6
130	101.2	69.1	128.3



#36
 Methylcyclohexane
 Concen: 24.767 ug/L
 RT: 9.34 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VW004657.D
 Acq: 13 Aug 2018 20:36

Tgt Ion:	83	Resp:	589039
Ion	Ratio	Lower	Upper
83	100		
55	77.5	62.8	94.2
98	45.4	36.6	54.8





#40

1,2-Dichloropropane

Concen: 24.491 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW004657.D

Acq: 13 Aug 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

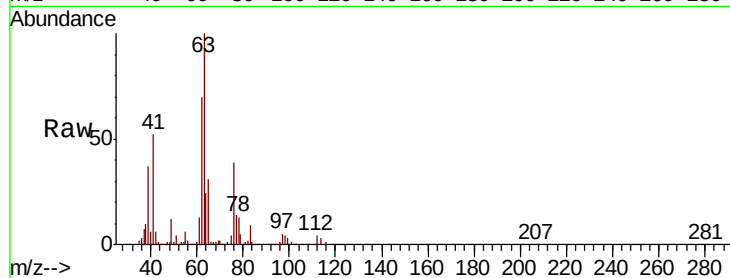
VSTD02588

Tgt Ion: 63 Resp: 349370

Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.6



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

9.37

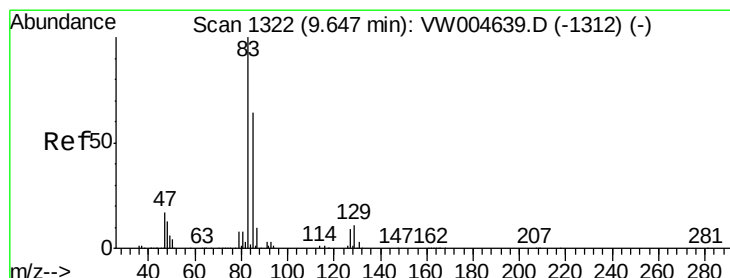
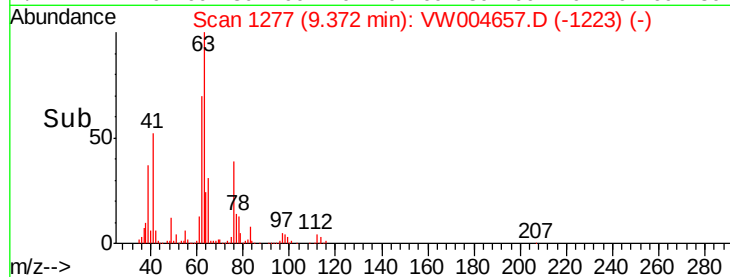
150000

100000

50000

0

Time-->



#41

Bromodichloromethane

Concen: 23.833 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004657.D

Acq: 13 Aug 2018 20:36

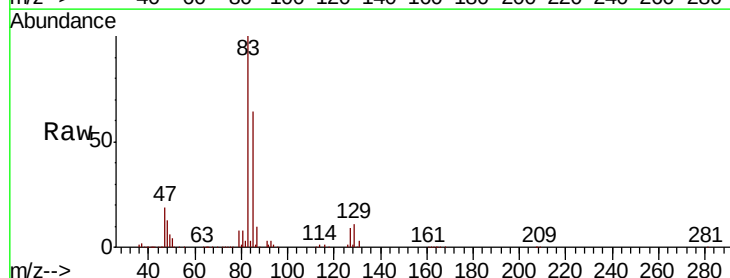
Tgt Ion: 83 Resp: 408387

Ion Ratio Lower Upper

83 100

85 63.6 43.7 81.1

127 8.6 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

9.65

300000

250000

200000

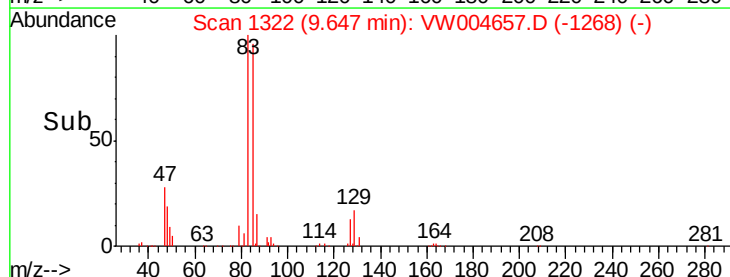
150000

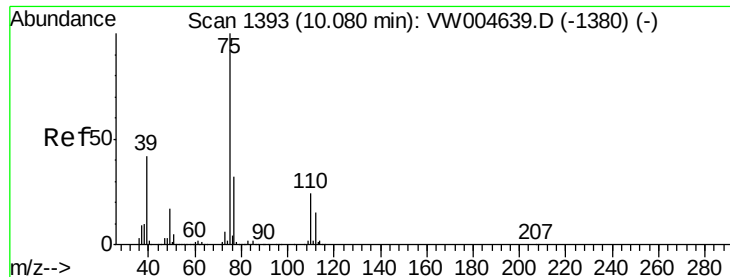
100000

50000

0

Time-->





#42

cis-1,3-Dichloropropene

Concen: 24.753 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW004657.D

Acq: 13 Aug 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

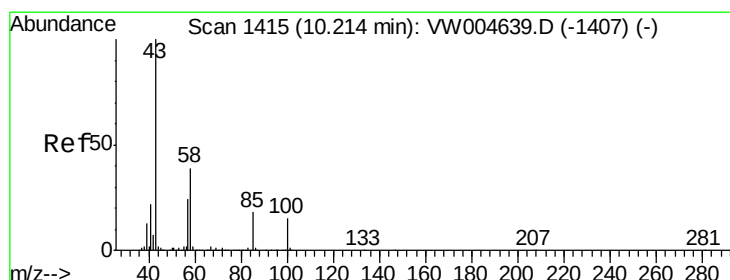
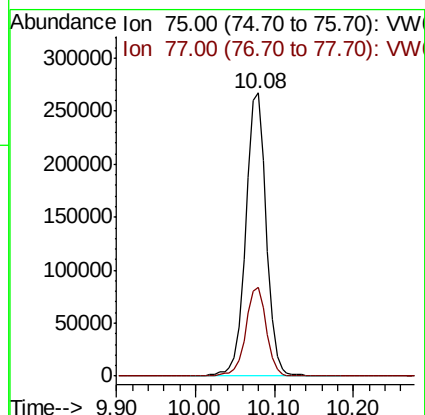
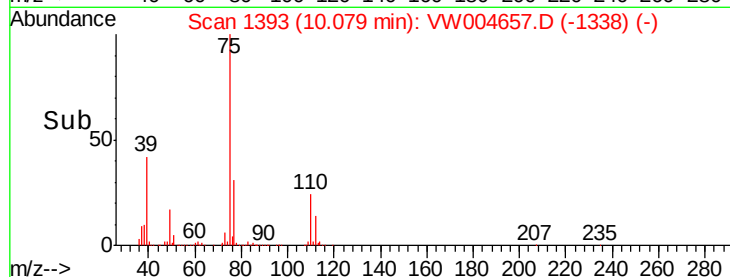
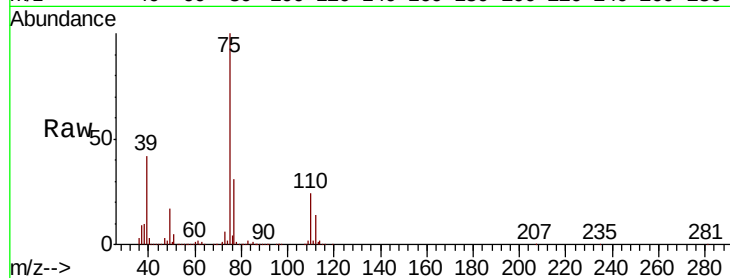
VSTD02588

Tgt Ion: 75 Resp: 483040

Ion Ratio Lower Upper

75 100

77 31.4 22.5 41.7



#43

4-Methyl-2-pentanone

Concen: 47.416 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004657.D

Acq: 13 Aug 2018 20:36

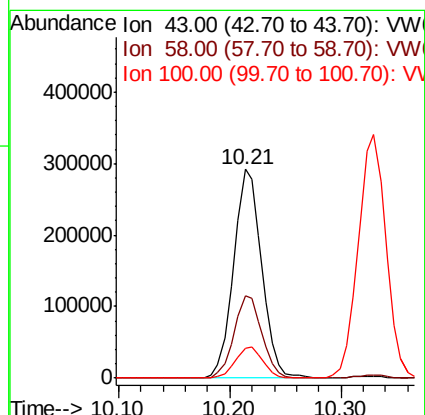
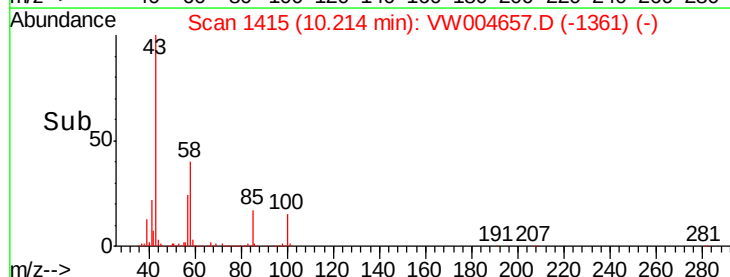
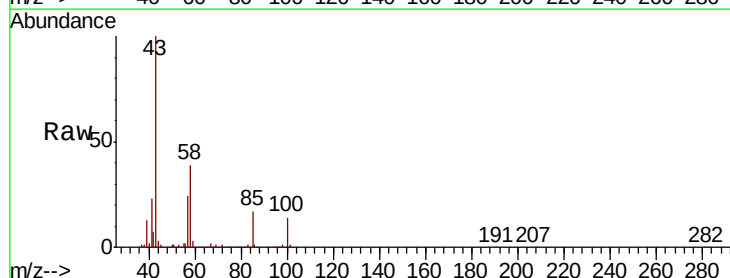
Tgt Ion: 43 Resp: 507169

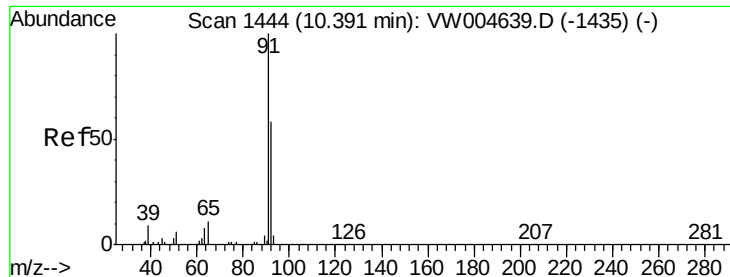
Ion Ratio Lower Upper

43 100

58 39.5 31.5 47.3

100 14.7 11.7 17.5





#44

Toluene

Concen: 25.393 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004657.D

Acq: 13 Aug 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

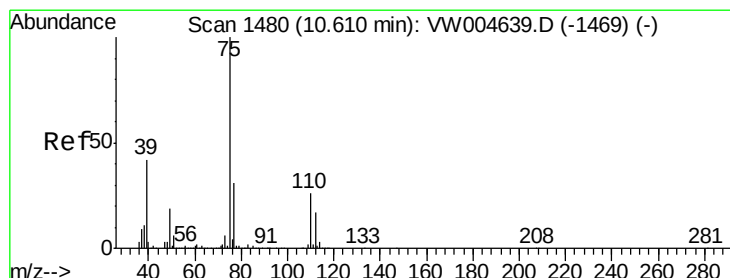
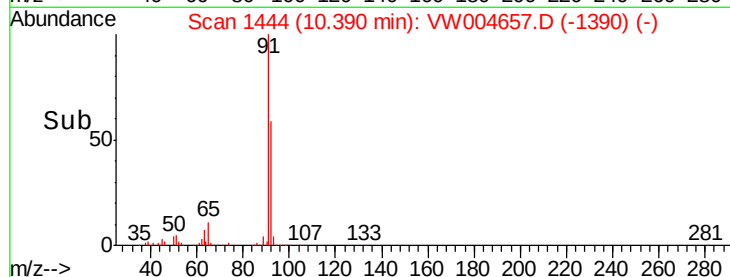
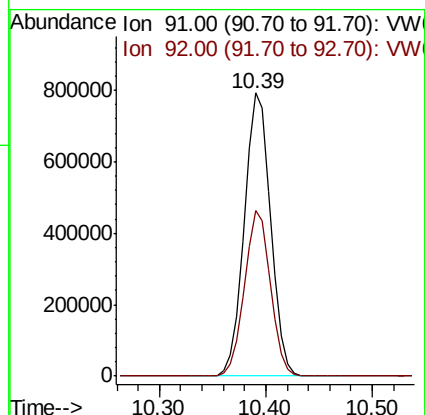
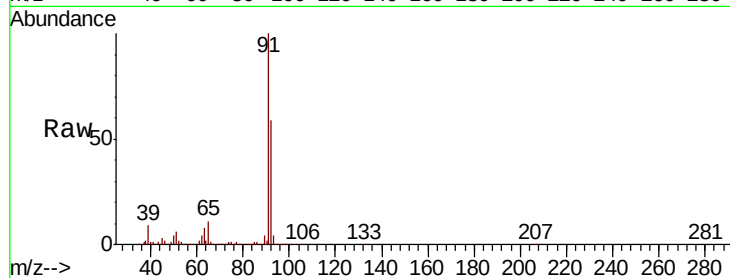
VSTD02588

Tgt Ion: 91 Resp: 1376394

Ion Ratio Lower Upper

91 100

92 58.6 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 24.376 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004657.D

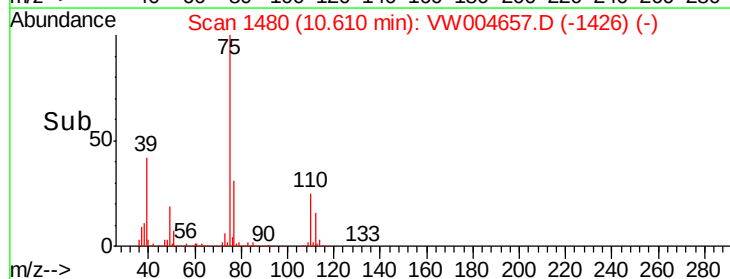
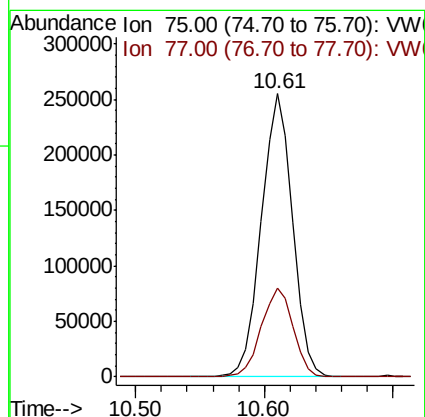
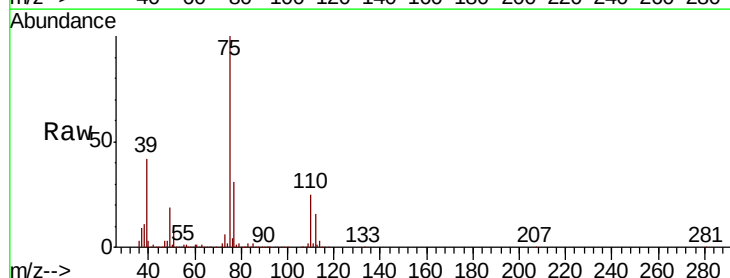
Acq: 13 Aug 2018 20:36

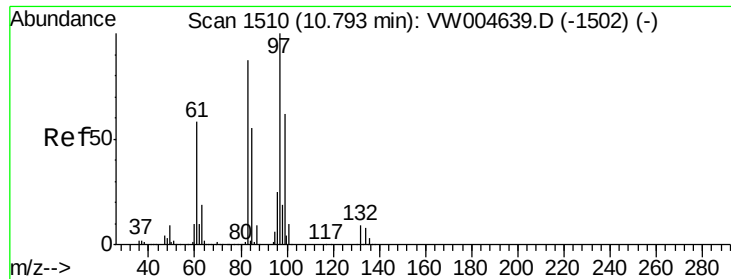
Tgt Ion: 75 Resp: 427592

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.6

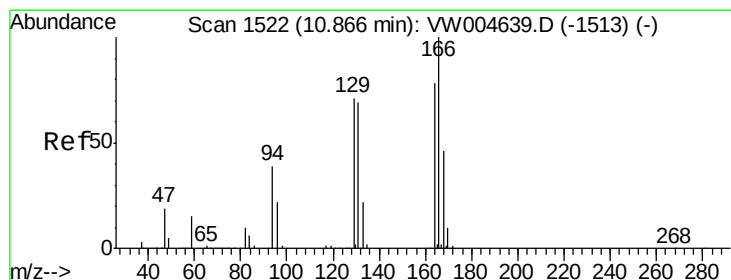
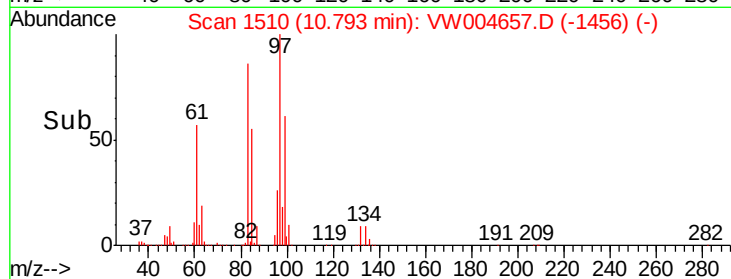
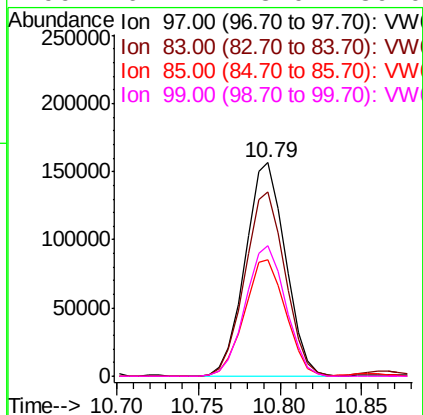
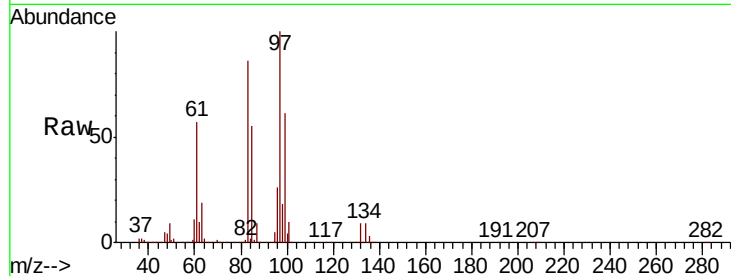




#46
 1,1,2-Trichloroethane
 Concen: 24.318 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004657.D
 Acq: 13 Aug 2018 20:36

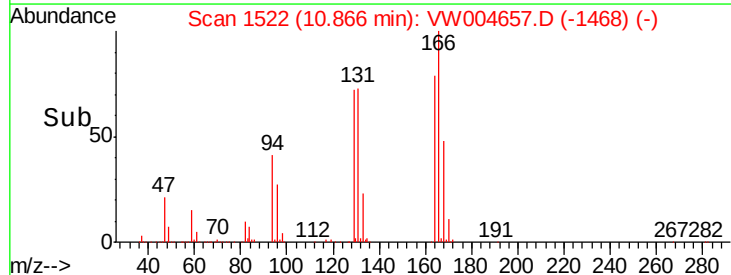
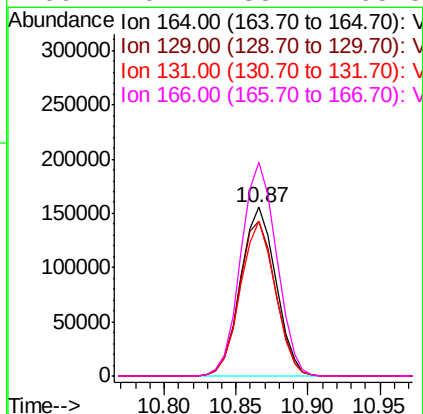
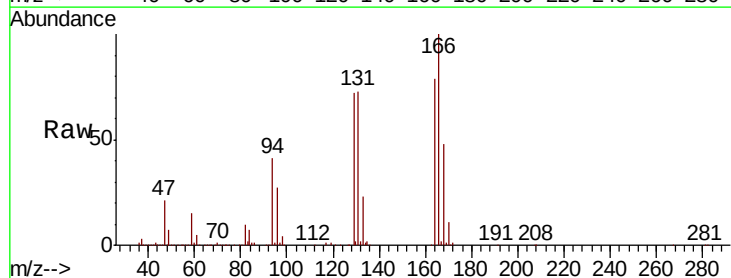
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

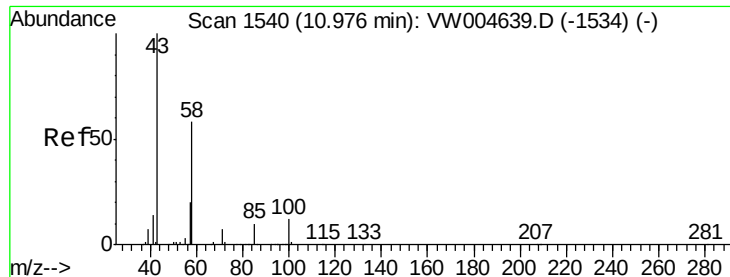
Tgt Ion:	97	Resp:	269693
Ion	Ratio	Lower	Upper
97	100		
83	86.4	61.8	114.8
85	54.8	38.8	72.0
99	61.2	43.0	80.0



#47
 Tetrachloroethene
 Concen: 24.722 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004657.D
 Acq: 13 Aug 2018 20:36

Tgt Ion:	164	Resp:	265008
Ion	Ratio	Lower	Upper
164	100		
129	91.7	65.4	121.4
131	91.8	63.8	118.6
166	126.7	88.1	163.5





#49

2-Hexanone

Concen: 47.721 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. -0.00 min

Lab File: VW004657.D

Acq: 13 Aug 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

Tgt Ion: 43 Resp: 383577

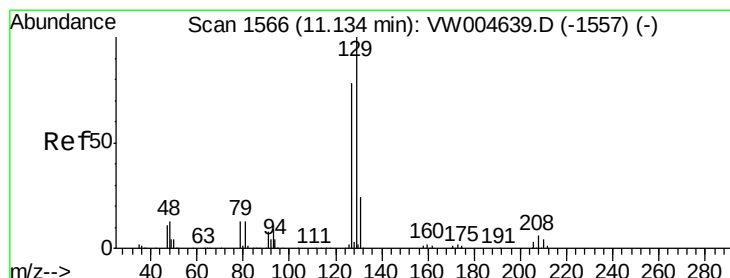
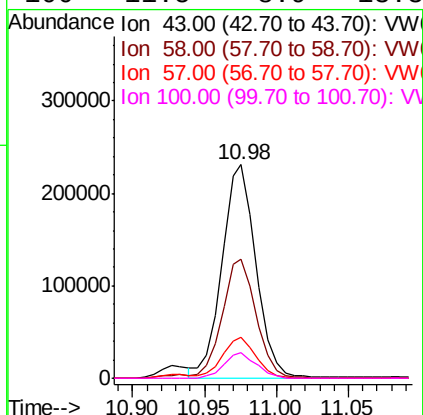
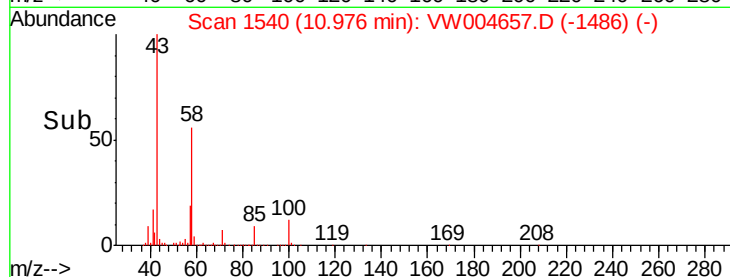
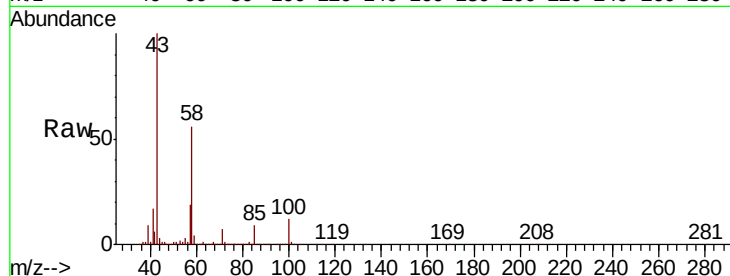
Ion Ratio Lower Upper

43 100

58 55.4 43.4 65.0

57 18.8 15.0 22.6

100 11.5 8.9 13.3



#50

Dibromochloromethane

Concen: 24.300 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VW004657.D

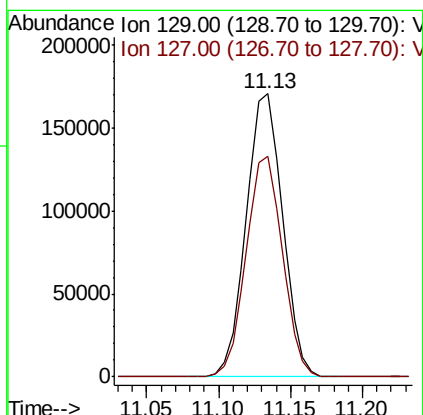
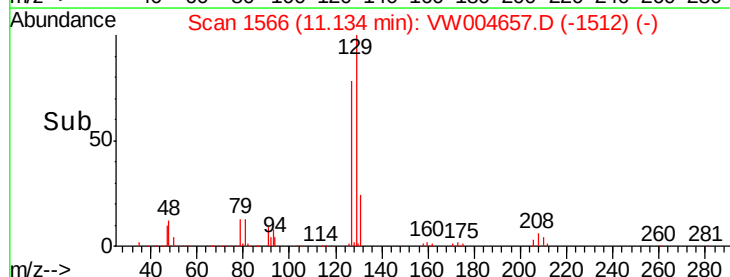
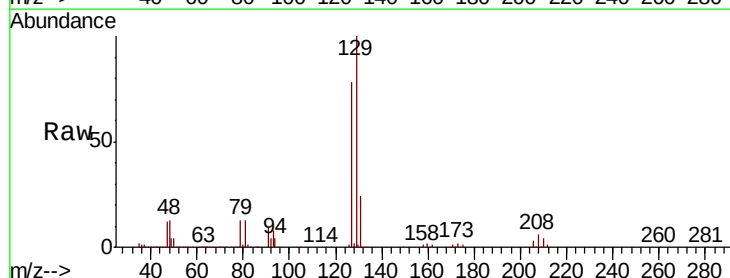
Acq: 13 Aug 2018 20:36

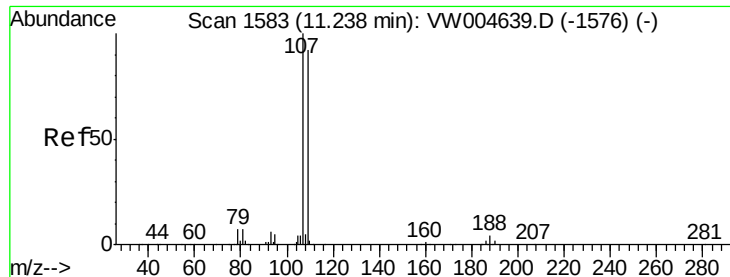
Tgt Ion: 129 Resp: 298949

Ion Ratio Lower Upper

129 100

127 78.0 54.1 100.5





#51

1,2-Dibromoethane

Concen: 24.312 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW004657.D

Acq: 13 Aug 2018 20:36

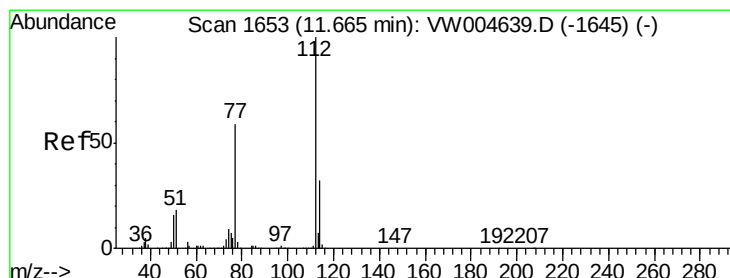
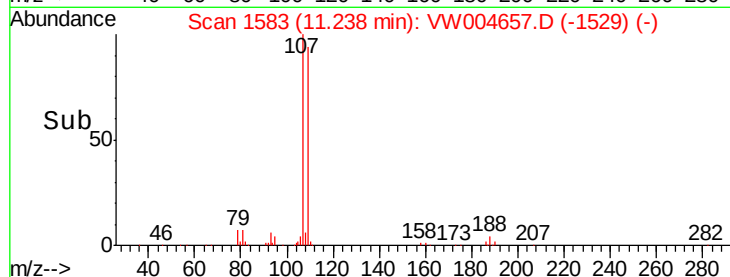
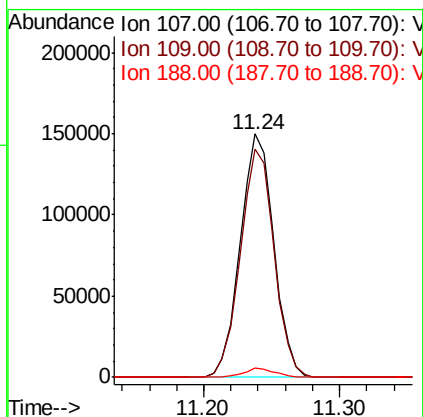
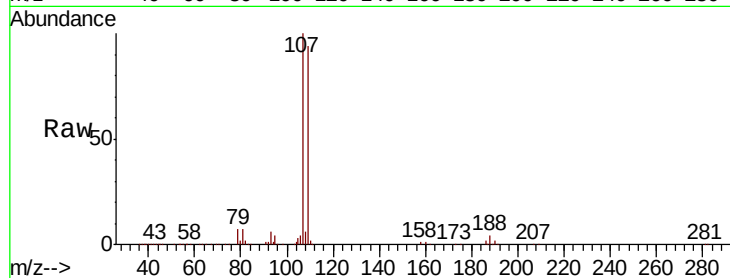
Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

Tgt Ion:	107	Resp:	258451
Ion	Ratio	Lower	Upper
107	100		
109	93.8	66.8	124.2
188	3.9	2.6	3.8#



#52

Chlorobenzene

Concen: 24.744 ug/L

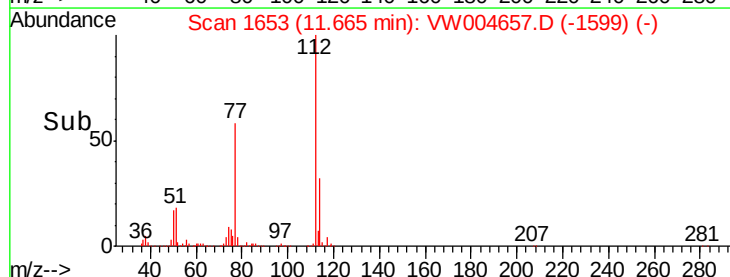
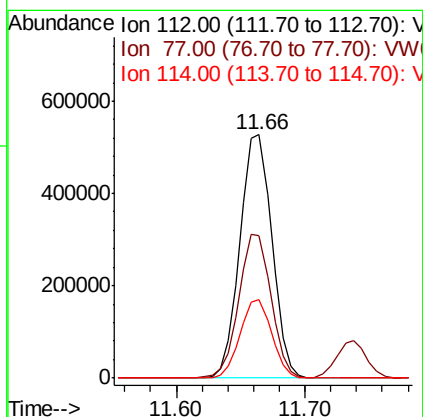
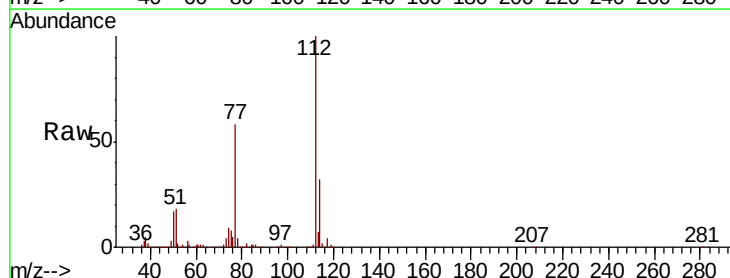
RT: 11.66 min Scan# 1653

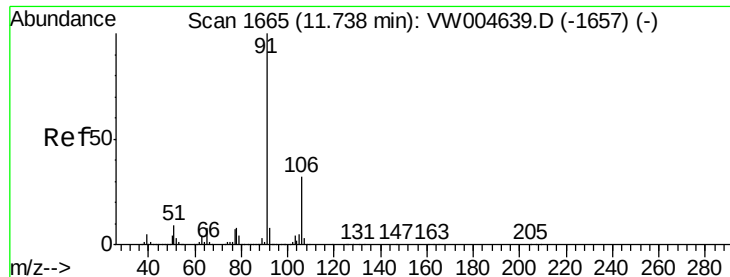
Delta R.T. -0.00 min

Lab File: VW004657.D

Acq: 13 Aug 2018 20:36

Tgt Ion:	112	Resp:	907024
Ion	Ratio	Lower	Upper
112	100		
77	58.3	46.5	69.7
114	32.3	22.0	41.0





#53

Ethylbenzene

Concen: 25.519 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004657.D

Acq: 13 Aug 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

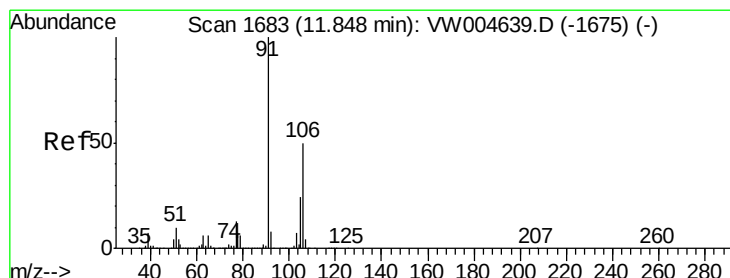
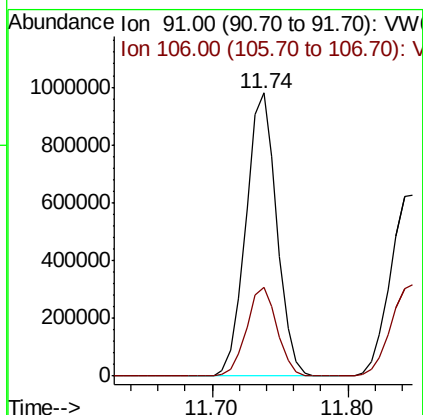
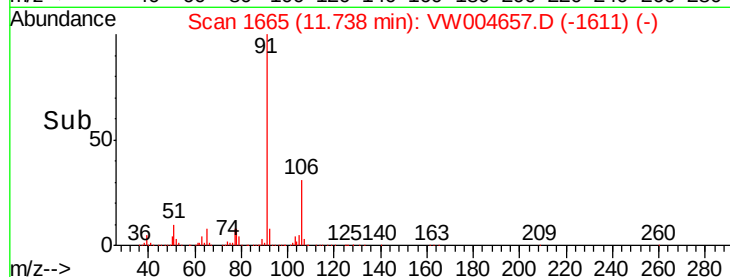
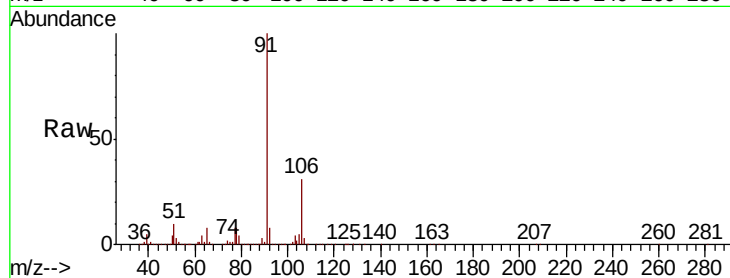
VSTD02588

Tgt Ion: 91 Resp: 1554321

Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.0



#54

m,p-Xylene

Concen: 25.886 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004657.D

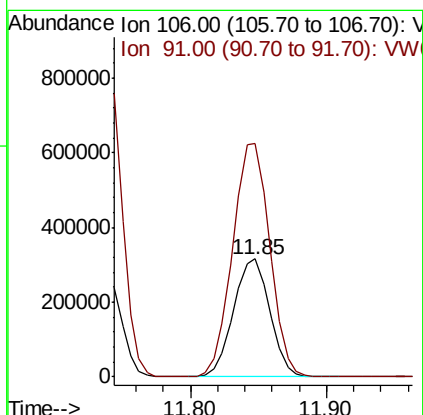
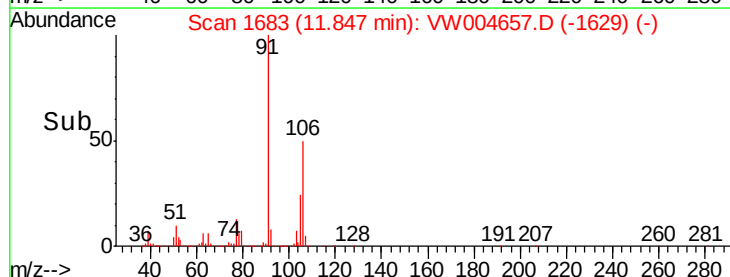
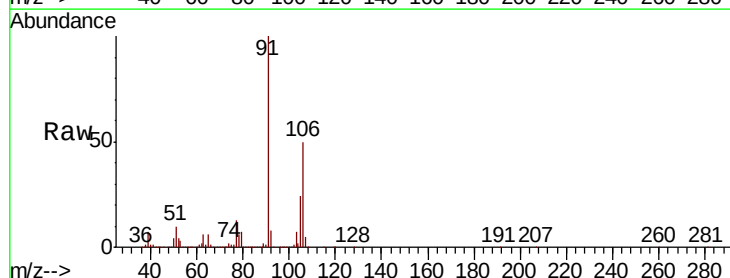
Acq: 13 Aug 2018 20:36

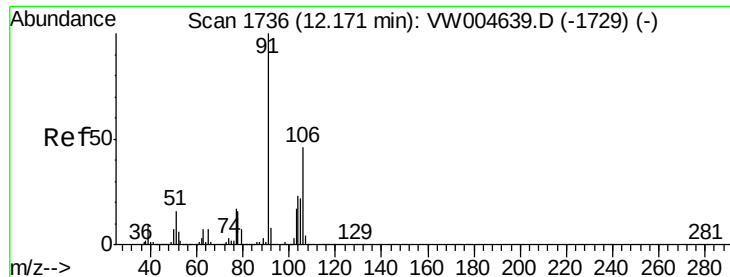
Tgt Ion: 106 Resp: 588240

Ion Ratio Lower Upper

106 100

91 198.1 143.0 265.6

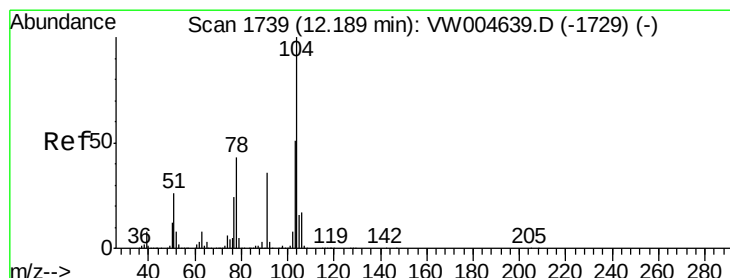
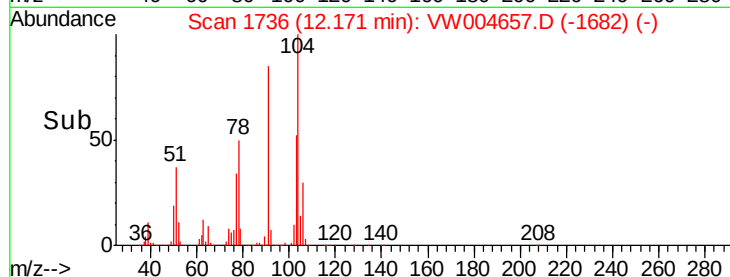
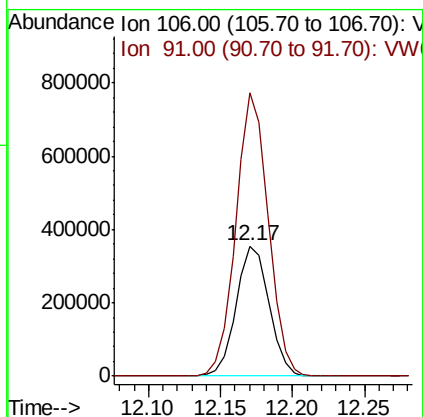
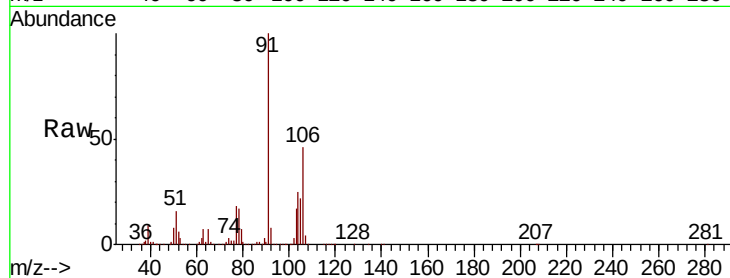




#55
o-xylene
Concen: 26.175 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004657.D
Acq: 13 Aug 2018 20:36

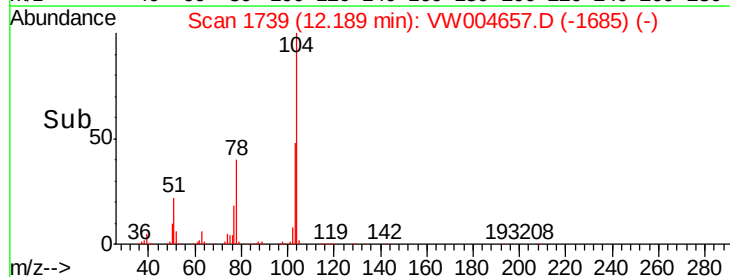
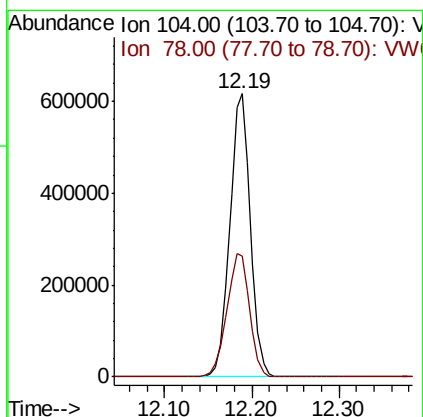
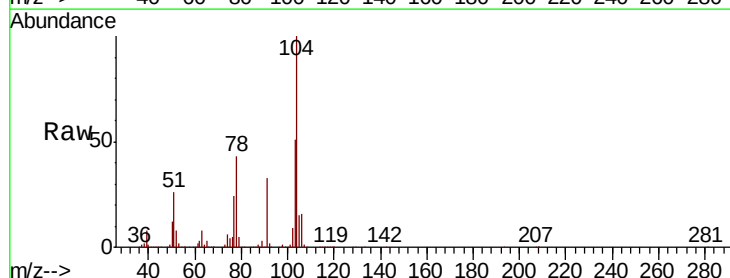
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

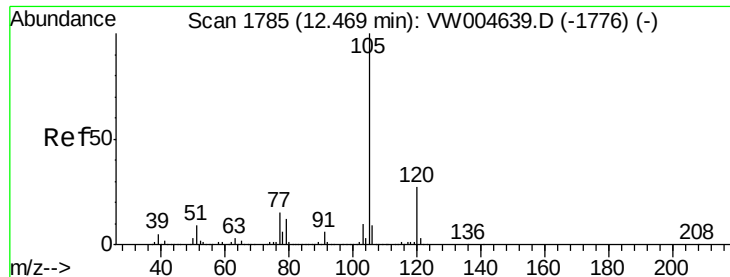
Tgt Ion:106 Resp: 563608
Ion Ratio Lower Upper
106 100
91 217.2 152.0 282.4



#56
Styrene
Concen: 26.803 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004657.D
Acq: 13 Aug 2018 20:36

Tgt Ion:104 Resp: 1005644
Ion Ratio Lower Upper
104 100
78 42.7 30.8 57.2





#57

Isopropylbenzene

Concen: 26.932 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004657.D

Acq: 13 Aug 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

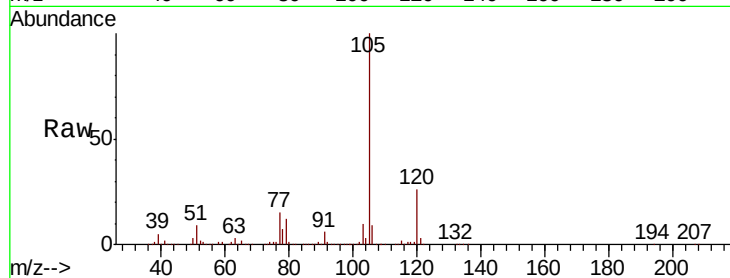
Tgt Ion:105 Resp: 1569684

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.4

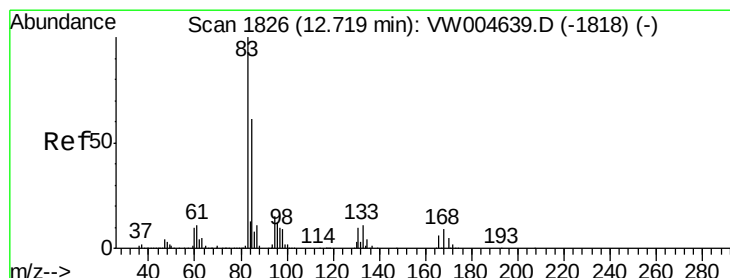
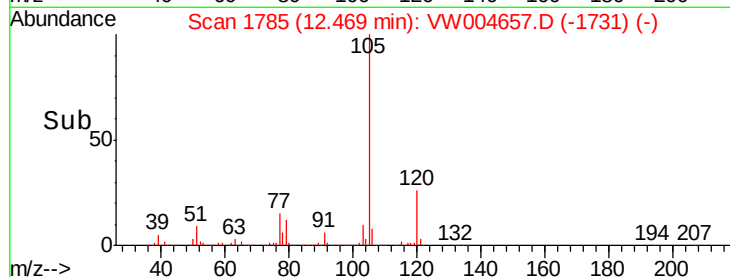
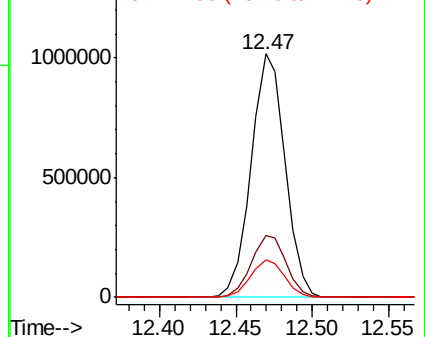
77 15.4 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 23.566 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004657.D

Acq: 13 Aug 2018 20:36

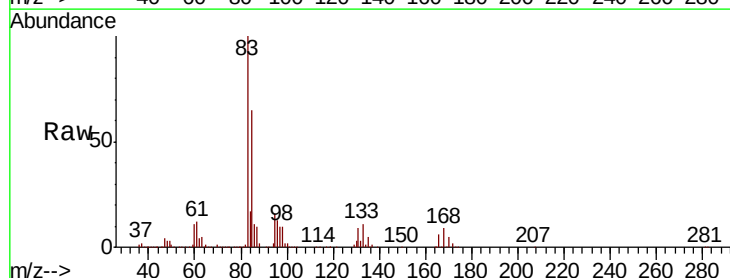
Tgt Ion: 83 Resp: 379328

Ion Ratio Lower Upper

83 100

85 65.3 46.1 85.5

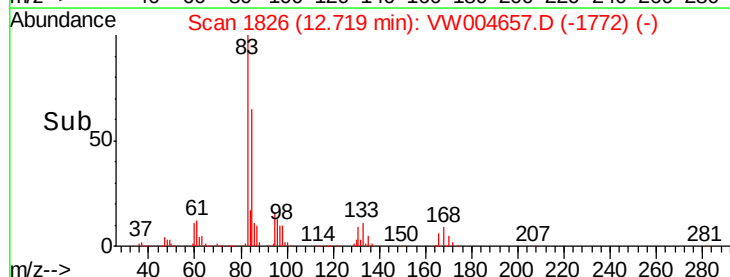
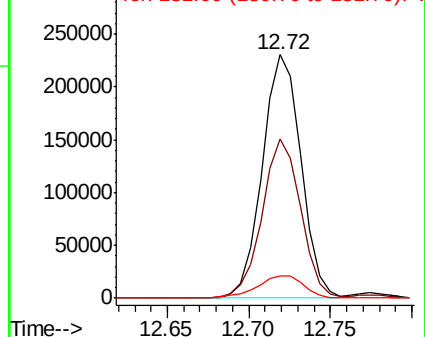
131 9.4 8.1 12.1

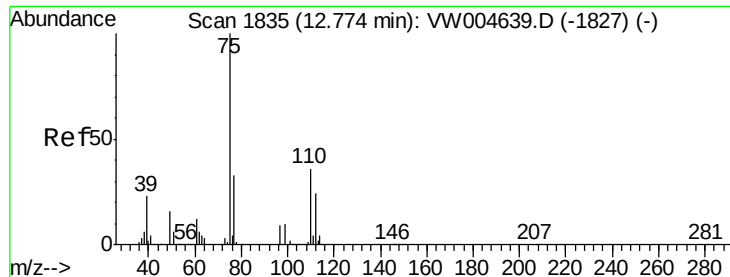


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.554 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004657.D

Acq: 13 Aug 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

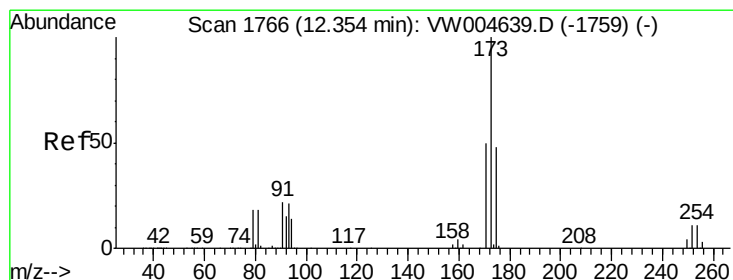
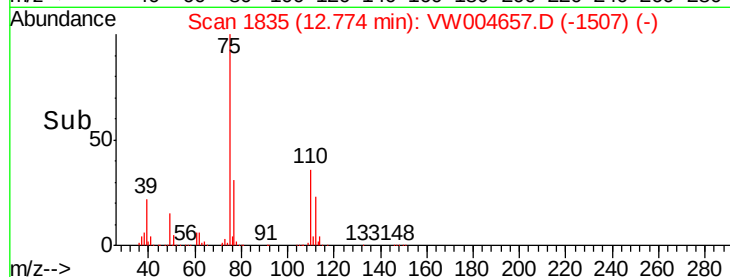
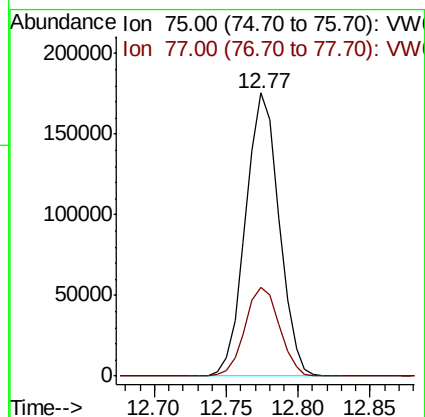
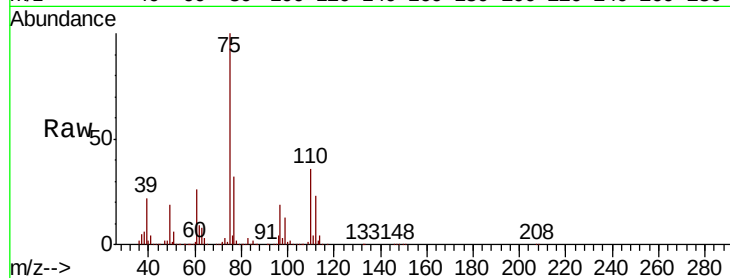
VSTD02588

Tgt Ion: 75 Resp: 283155

Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9



#62

Bromoform

Concen: 23.256 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004657.D

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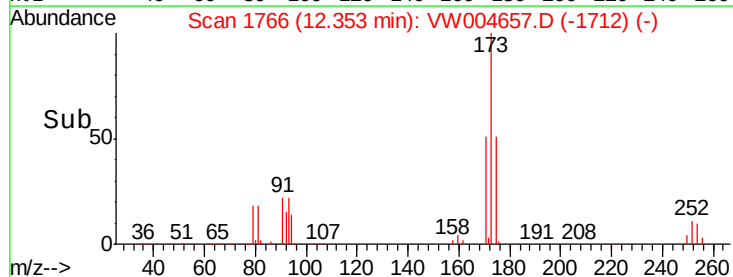
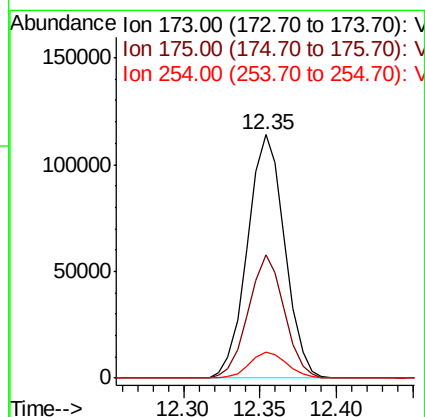
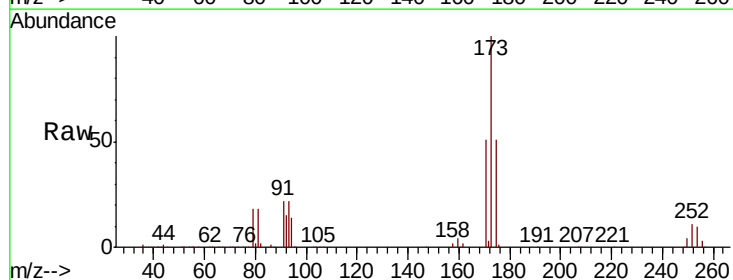
Tgt Ion: 173 Resp: 192766

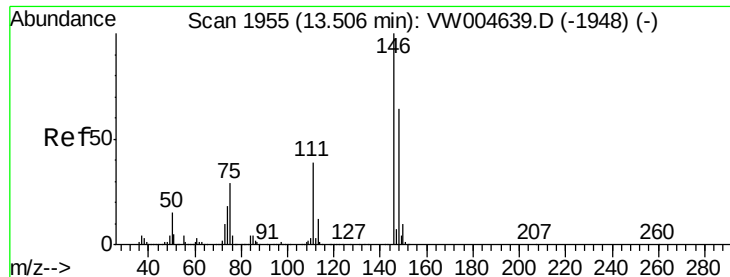
Ion Ratio Lower Upper

173 100

175 48.9 39.0 58.4

254 10.7 8.1 12.1

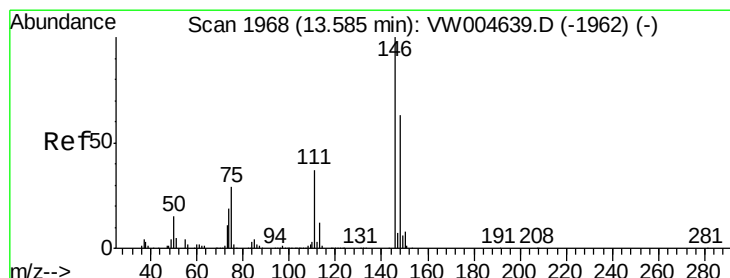
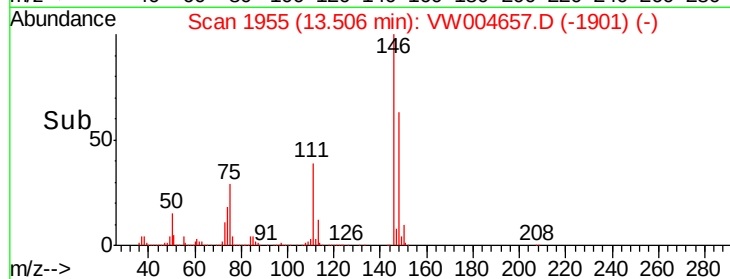
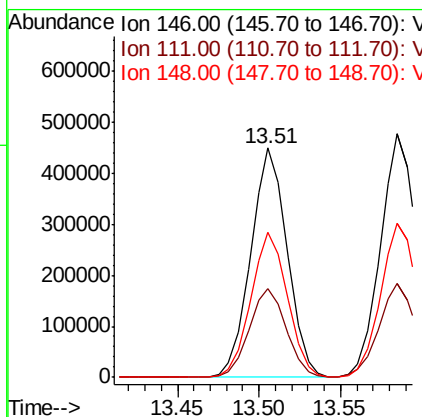
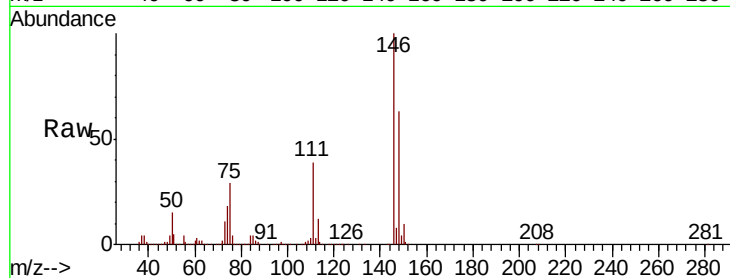




#63
 1,3-Dichlorobenzene
 Concen: 24.572 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004657.D
 Acq: 13 Aug 2018 20:36

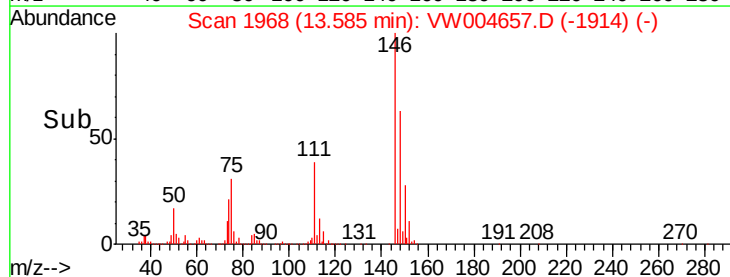
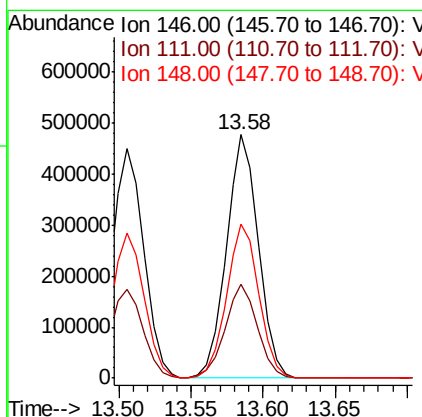
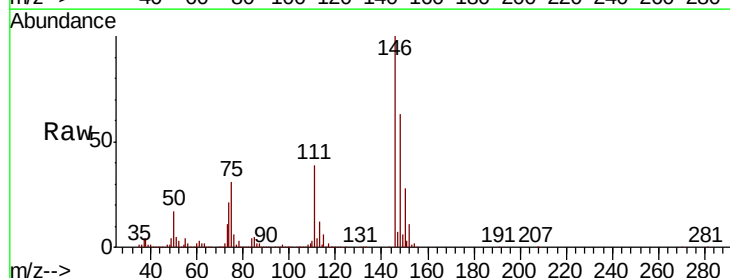
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

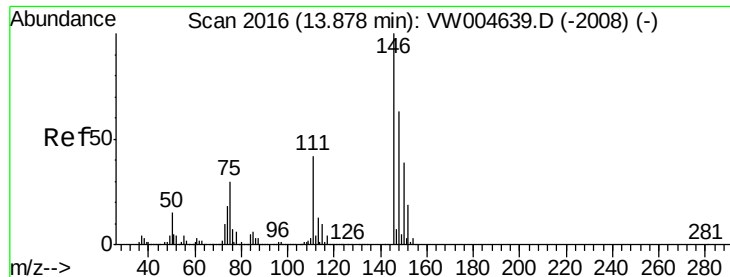
Tgt Ion:146 Resp: 697339
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.7 51.5
 148 63.3 43.8 81.4



#64
 1,4-Dichlorobenzene
 Concen: 24.260 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004657.D
 Acq: 13 Aug 2018 20:36

Tgt Ion:146 Resp: 739930
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.7 51.5
 148 63.1 45.5 84.5

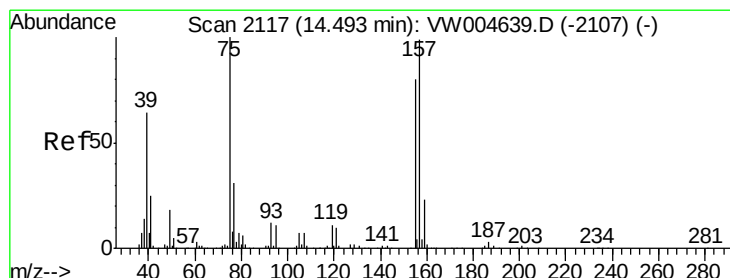
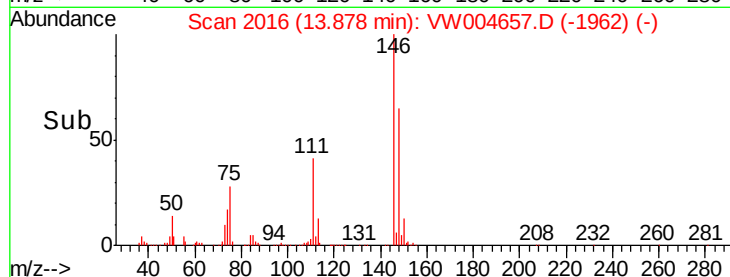
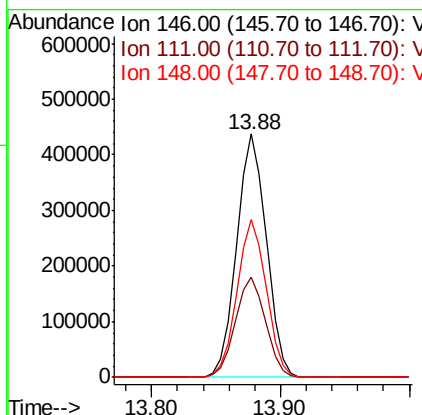
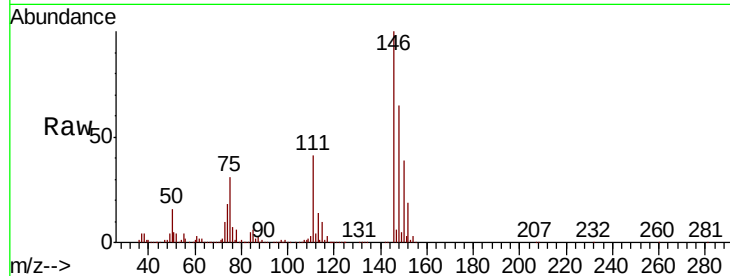




#65
 1,2-Dichlorobenzene
 Concen: 24.537 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004657.D
 Acq: 13 Aug 2018 20:36

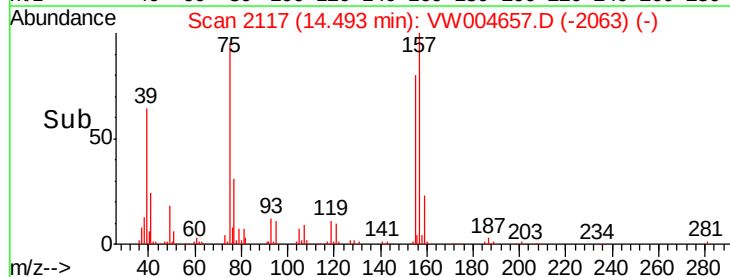
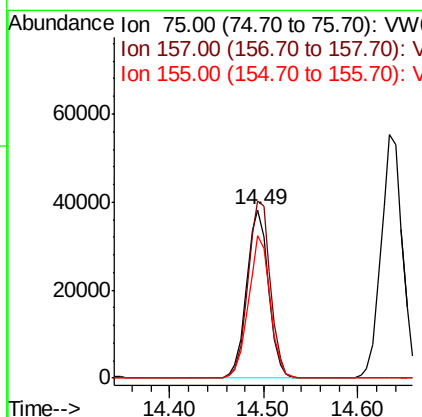
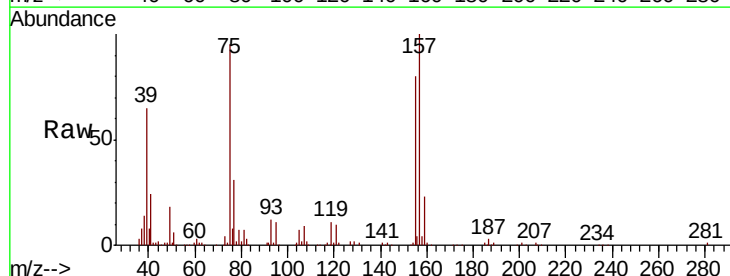
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

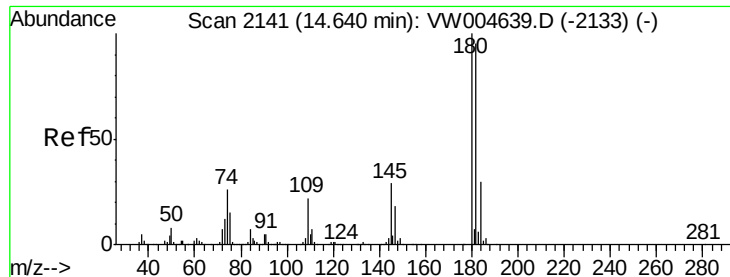
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	33.4	50.2
148	64.8	50.8	76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.322 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004657.D
 Acq: 13 Aug 2018 20:36

Tgt Ion	Ratio	Lower	Upper
75	100		
157	105.5	81.4	122.0
155	84.6	63.0	94.6

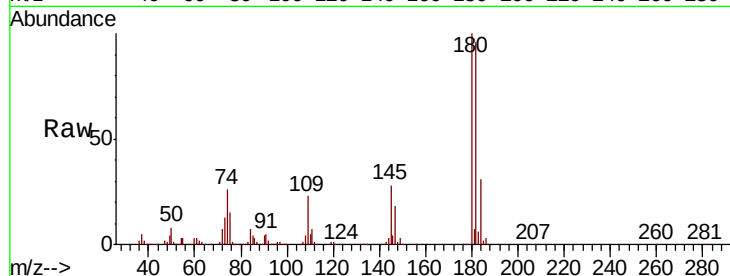




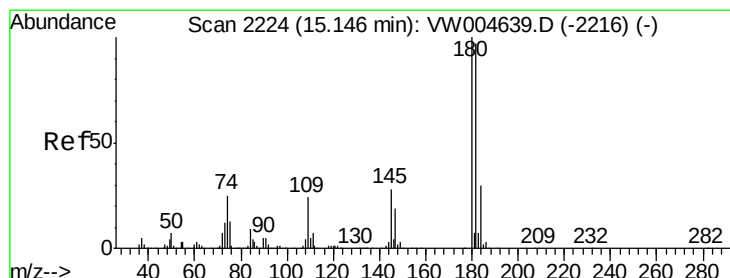
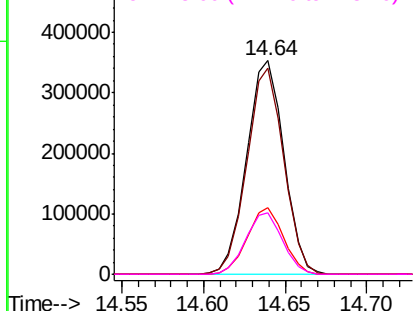
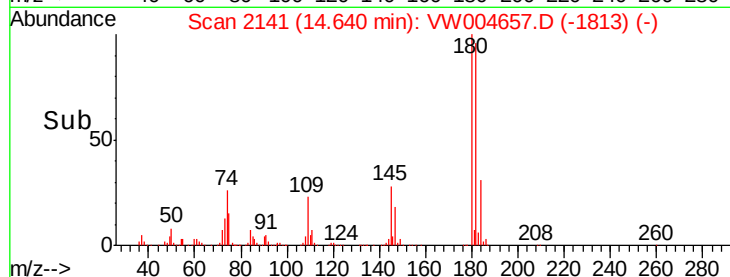
#67
 1,3,5-Trichlorobenzene
 Concen: 24.932 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004657.D
 Acq: 13 Aug 2018 20:36

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02588

Tgt Ion:	180	Resp:	560905
Ion Ratio	Lower	Upper	
180	100		
182	95.4	75.1	112.7
184	30.6	24.0	36.0
145	28.5	23.0	34.6

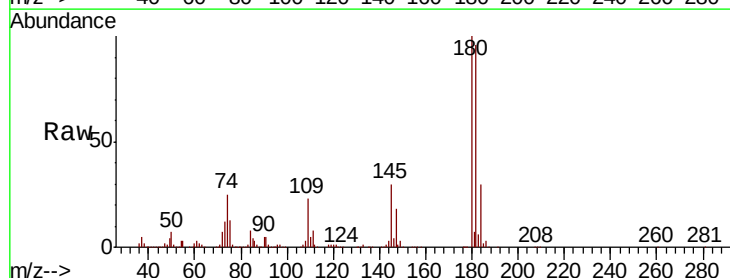


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

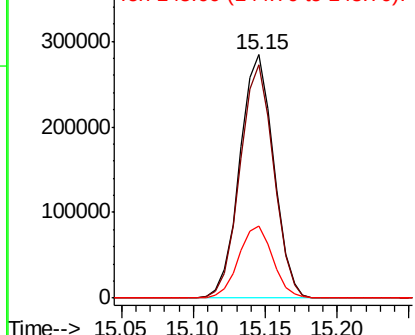
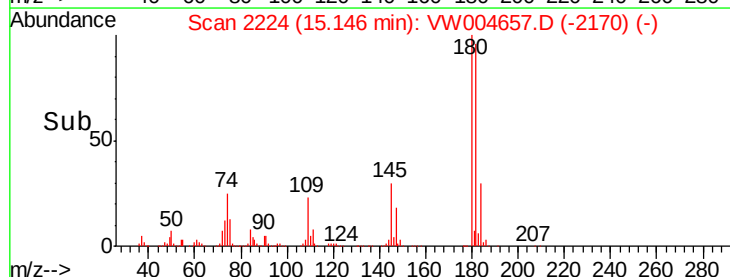


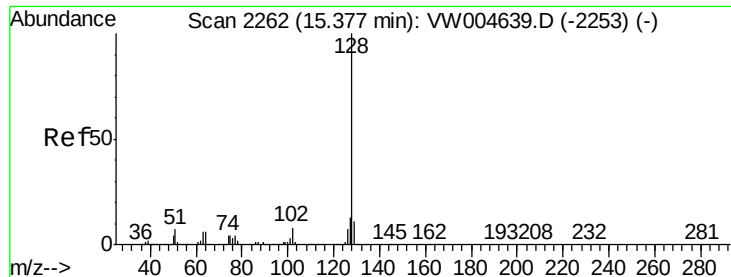
#68
 1,2,4-trichlorobenzene
 Concen: 25.573 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004657.D
 Acq: 13 Aug 2018 20:36

Tgt Ion:	180	Resp:	465436
Ion Ratio	Lower	Upper	
180	100		
182	94.9	76.9	115.3
145	29.7	23.4	35.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 25.209 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004657.D

Acq: 13 Aug 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

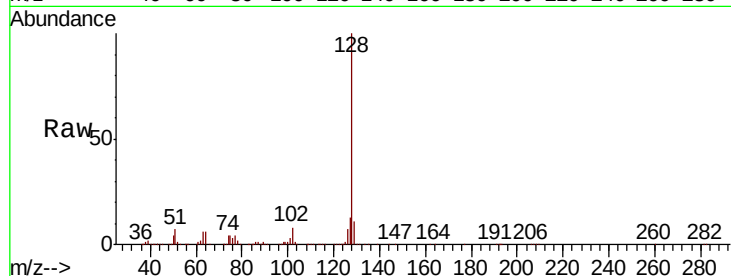
Tgt Ion:128 Resp: 1046342

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

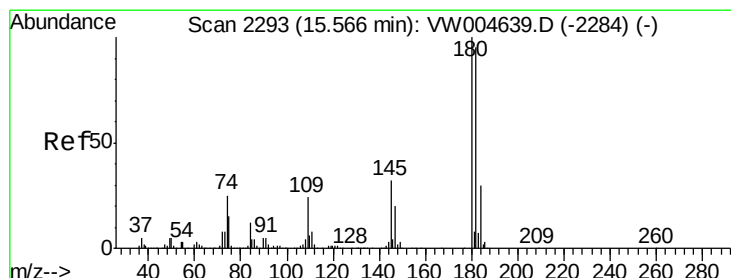
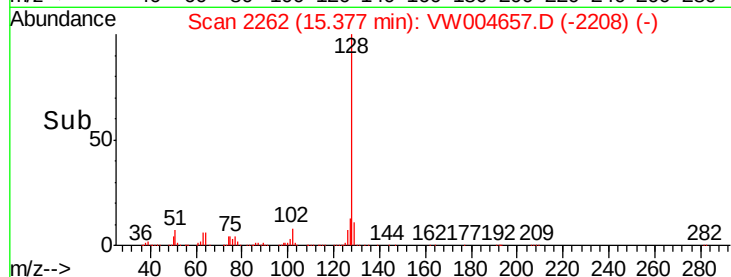
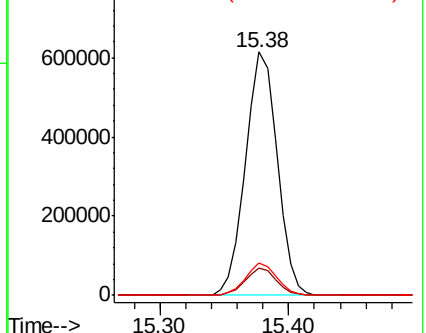
127 13.0 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.751 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004657.D

Acq: 13 Aug 2018 20:36

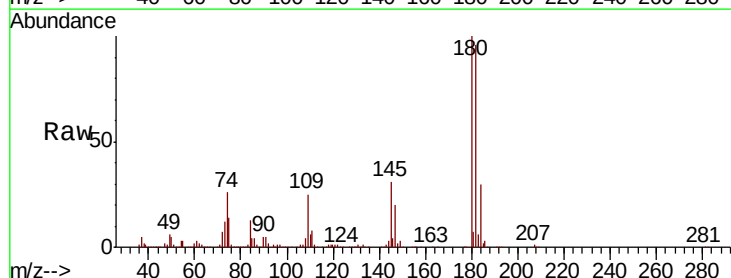
Tgt Ion:180 Resp: 456425

Ion Ratio Lower Upper

180 100

182 94.9 76.0 114.0

145 31.3 25.2 37.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

