

Data File : VW005052.D
Acq On : 31 Aug 2018 20:50
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

Quant Time: Aug 31 23:54:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM083118S.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 31 16:23:30 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	670633	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	670429	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	354321	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	210370	20.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.12%
7) Chloroethane-d5	2.89	69	158072	20.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.24%
10) 1,1-Dichloroethene-d2	4.03	63	305222	21.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.08%
20) 2-Butanone-d5	7.09	46	121332	43.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.30%
24) Chloroform-d	7.65	84	301282	20.44	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.76%
26) 1,2-Dichloroethane-d4	8.31	65	166170	20.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.24%
29) Benzene-d6	8.28	84	704073	20.89	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.56%
33) 1,2-Dichloropropane-d6	9.28	67	203811	20.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.84%
37) Toluene-d8	10.33	98	744048	22.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.24%
38) trans-1,3-Dichloropropene-	10.58	79	88211	20.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.40%
39) 2-Hexanone-d5	10.93	63	112784	46.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	209412	21.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	284671	20.89	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.56%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	246152	25.145 ug/L	100
3) Chloromethane	2.21	50	264970	24.576 ug/L	99
5) Vinyl chloride	2.36	62	274902	25.275 ug/L	98
6) Bromomethane	2.77	94	157365	26.021 ug/L	100
8) Chloroethane	2.92	64	156231	22.742 ug/L	98
9) Trichlorofluoromethane	3.26	101	301235	25.693 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	200459	25.068 ug/L	99
12) 1,1-Dichloroethene	4.04	96	170924	25.151 ug/L	93
13) Acetone	4.12	43	88093	43.309 ug/L	98
14) Carbon disulfide	4.39	76	589365	24.524 ug/L	99
15) Methyl Acetate	4.68	43	118967	25.716 ug/L	100
16) Methylene chloride	4.92	84	234928	20.331 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	425039	25.101 ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	192263	25.104 ug/L	98
19) 1,1-Dichloroethane	6.23	63	324693	25.121 ug/L	99
21) 2-Butanone	7.18	43	147154	49.951 ug/L	100
22) cis-1,2-Dichloroethene	7.18	96	206532	25.481 ug/L	96

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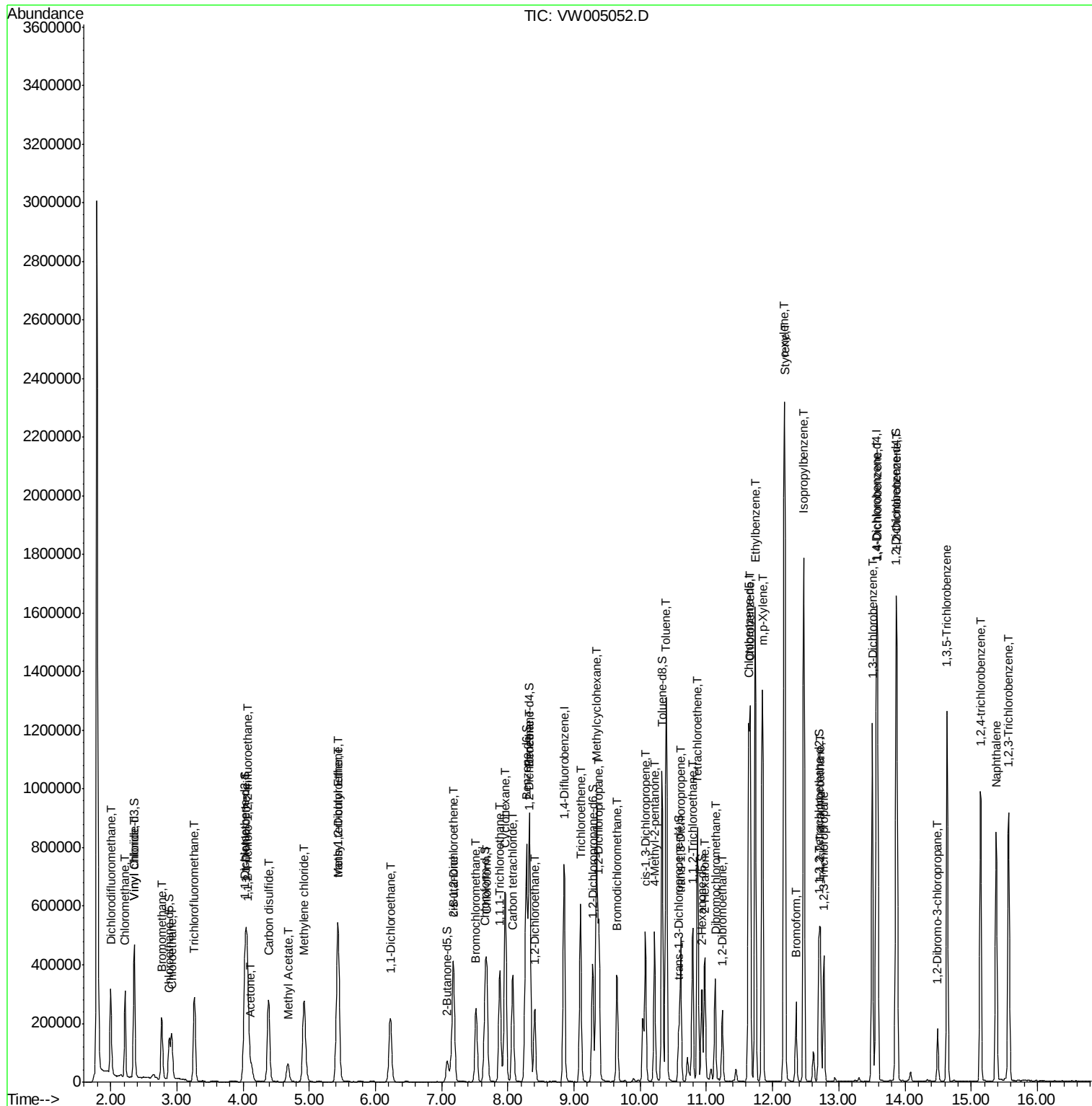
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	96603	24.620	ug/L	96
25) Chloroform	7.68	83	341386	25.143	ug/L	99
27) 1,2-Dichloroethane	8.41	62	222405	24.856	ug/L	100
30) Cyclohexane	7.96	56	327997	27.406	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	312433	26.383	ug/L	100
32) Carbon tetrachloride	8.07	117	283714	26.452	ug/L	98
34) Benzene	8.33	78	858723	25.722	ug/L	100
35) Trichloroethene	9.10	95	217700	25.559	ug/L	99
36) Methylcyclohexane	9.34	83	394803	27.476	ug/L	100
40) 1,2-Dichloropropane	9.37	63	210479	25.773	ug/L	100
41) Bromodichloromethane	9.65	83	248940	25.325	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	304295	25.410	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	334226	55.070	ug/L	99
44) Toluene	10.40	91	1036549	27.254	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	271743	25.709	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	171019	25.057	ug/L	96
47) Tetrachloroethene	10.87	164	215409	26.781	ug/L	99
49) 2-Hexanone	10.98	43	258711	58.876	ug/L	99
50) Dibromochloromethane	11.13	129	196121	25.812	ug/L	99
51) 1,2-Dibromoethane	11.24	107	165588	25.637	ug/L	100
52) Chlorobenzene	11.66	112	673951	25.861	ug/L	99
53) Ethylbenzene	11.74	91	1160493	27.093	ug/L	100
54) m,p-Xylene	11.85	106	460128	27.103	ug/L	98
55) o-xylene	12.17	106	431822	27.380	ug/L	98
56) Styrene	12.19	104	759981	27.953	ug/L	97
57) Isopropylbenzene	12.47	105	1169002	27.932	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	240152	26.498	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	184576	26.053	ug/L	98
62) Bromoform	12.35	173	133132	26.133	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	537755	25.893	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	566704	25.728	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	529213	26.136	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	44160	26.920	ug/L	92
67) 1,3,5-Trichlorobenzene	14.64	180	438968	26.035	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	352076	25.861	ug/L	99
69) Naphthalene	15.38	128	742678	27.067	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	342165	26.727	ug/L	99

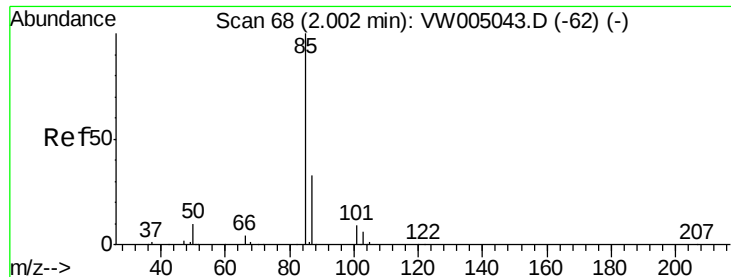
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.145 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW005052.D

Acq: 31 Aug 2018 20:50

Instrument :

MSVOA_W

ClientSampleId :

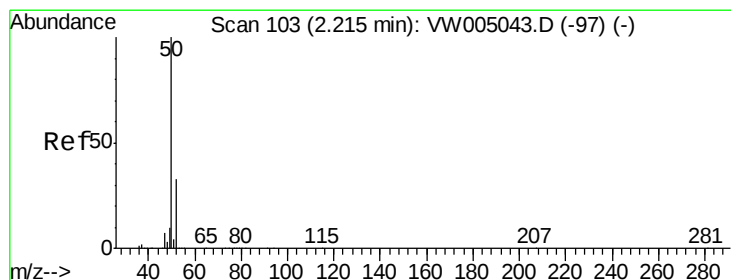
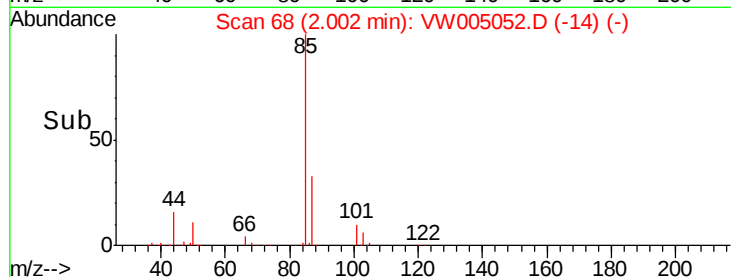
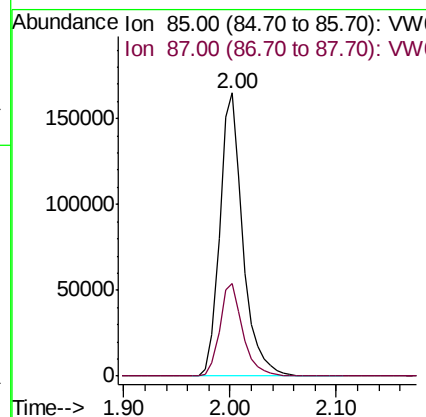
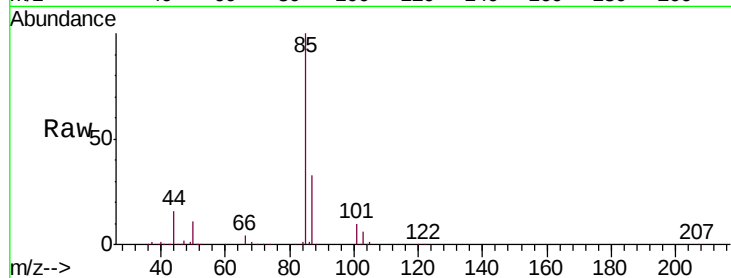
VSTD02593

Tgt Ion: 85 Resp: 246152

Ion Ratio Lower Upper

85 100

87 32.9 23.0 42.6



#3

Chloromethane

Concen: 24.576 ug/L

RT: 2.21 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW005052.D

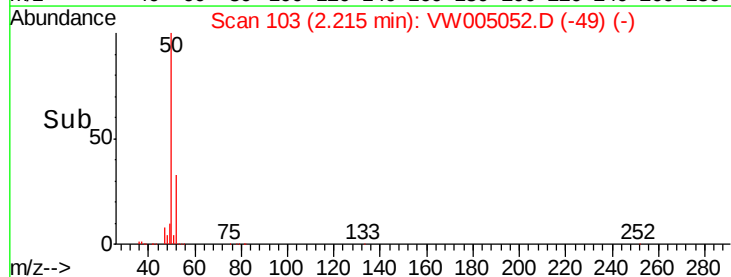
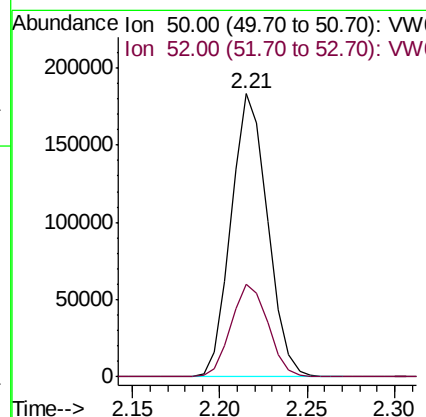
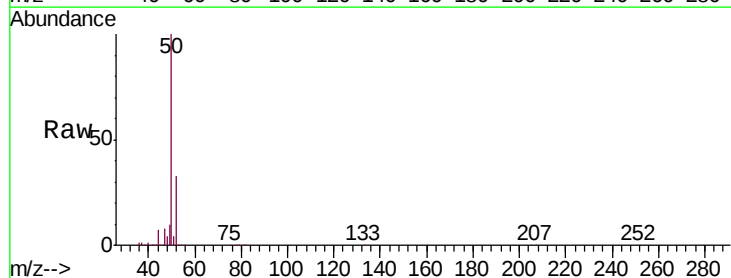
Acq: 31 Aug 2018 20:50

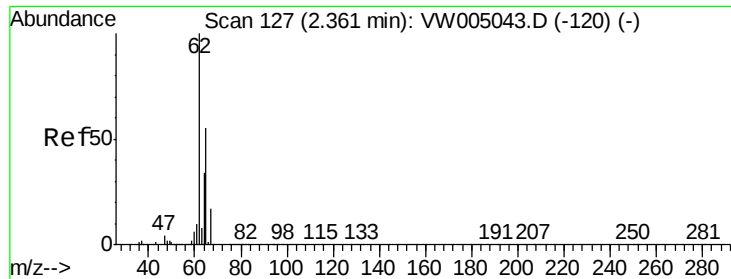
Tgt Ion: 50 Resp: 264970

Ion Ratio Lower Upper

50 100

52 32.5 23.0 42.8





#5

Vinyl chloride

Concen: 25.275 ug/L

RT: 2.36 min Scan# 127

Delta R.T. -0.00 min

Lab File: VW005052.D

Acq: 31 Aug 2018 20:50

Instrument :

MSVOA_W

ClientSampleId :

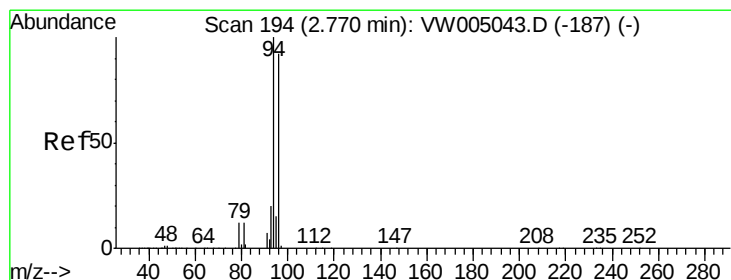
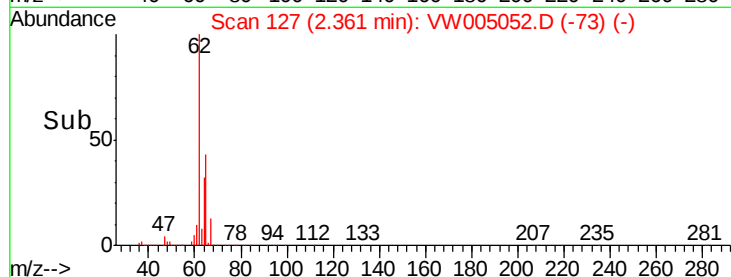
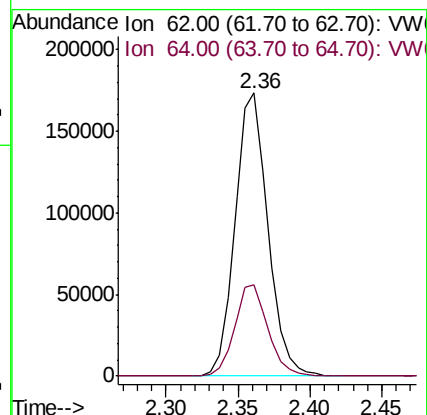
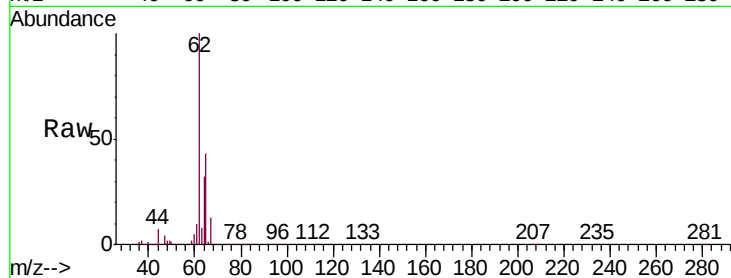
VSTD02593

Tgt Ion: 62 Resp: 274902

Ion Ratio Lower Upper

62 100

64 32.3 23.4 43.6



#6

Bromomethane

Concen: 26.021 ug/L

RT: 2.77 min Scan# 194

Delta R.T. -0.00 min

Lab File: VW005052.D

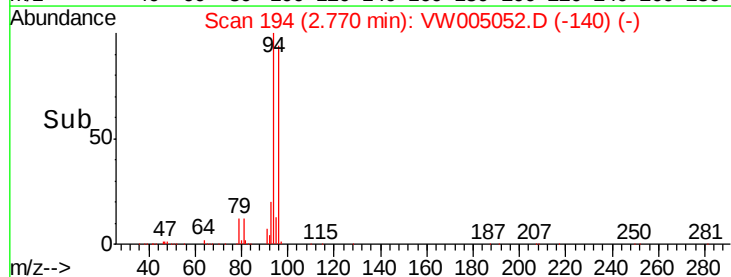
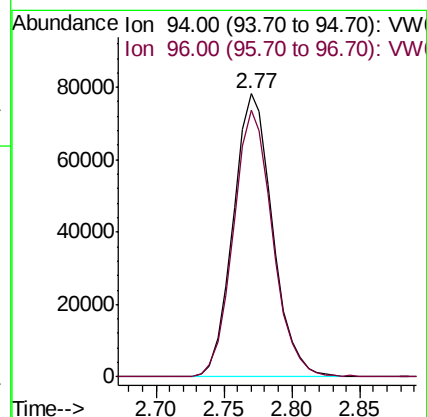
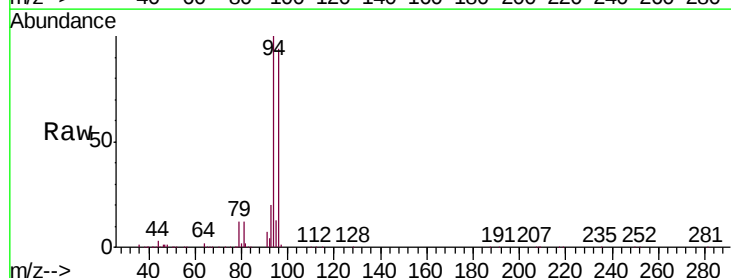
Acq: 31 Aug 2018 20:50

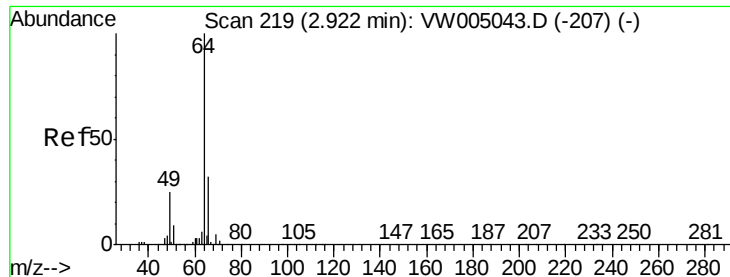
Tgt Ion: 94 Resp: 157365

Ion Ratio Lower Upper

94 100

96 94.2 9.4 178.6

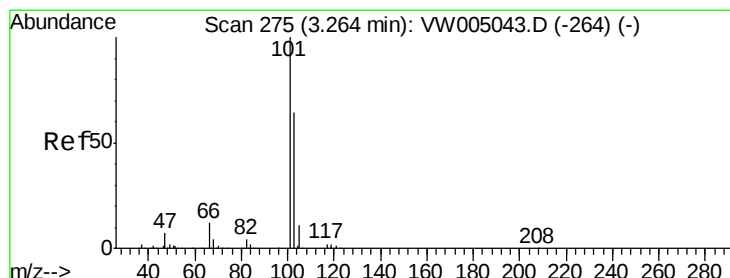
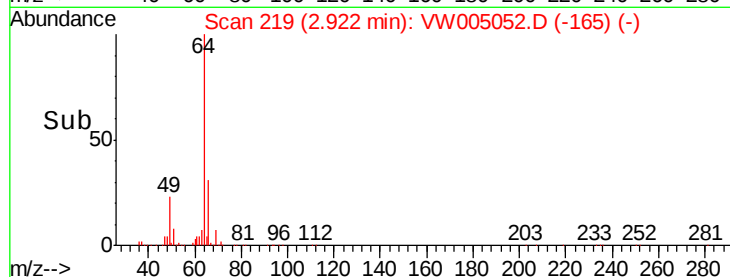
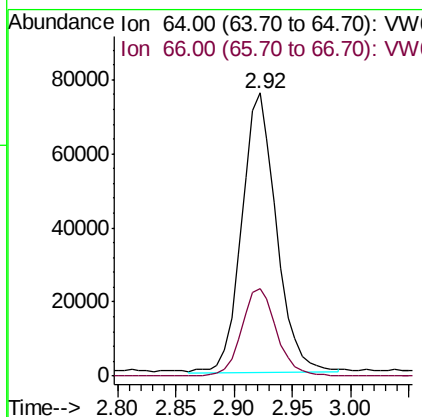
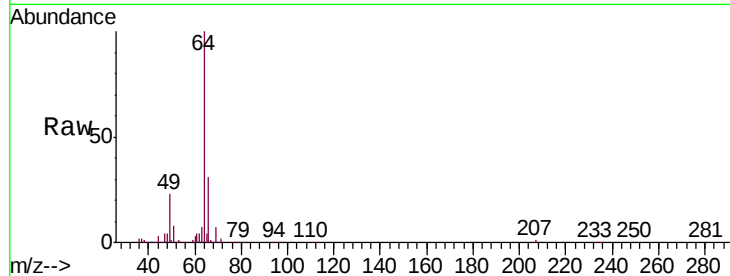




#8
Chloroethane
Concen: 22.742 ug/L
RT: 2.92 min Scan# 219
Delta R.T. -0.00 min
Lab File: VW005052.D
Acq: 31 Aug 2018 20:50

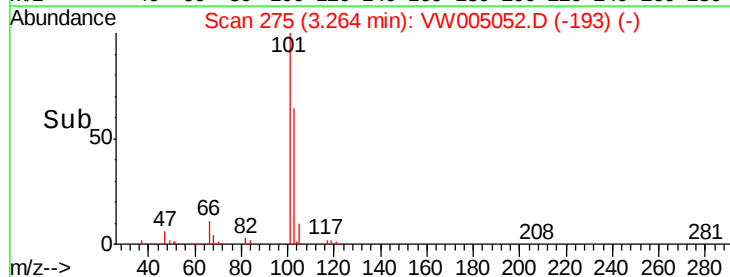
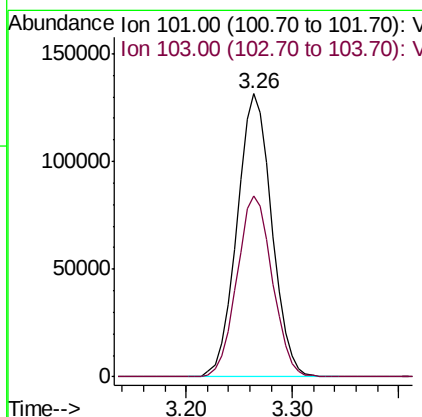
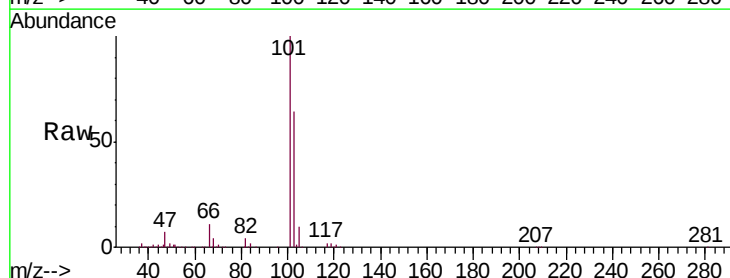
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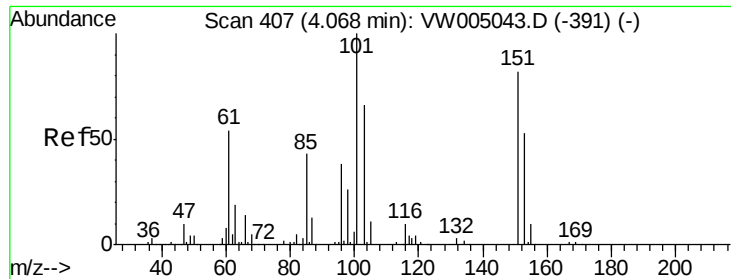
Tgt Ion: 64 Resp: 156231
Ion Ratio Lower Upper
64 100
66 31.1 22.4 41.6



#9
Trichlorofluoromethane
Concen: 25.693 ug/L
RT: 3.26 min Scan# 275
Delta R.T. -0.00 min
Lab File: VW005052.D
Acq: 31 Aug 2018 20:50

Tgt Ion: 101 Resp: 301235
Ion Ratio Lower Upper
101 100
103 65.2 45.4 84.4





#11

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

Concen: 25.068 ug/L

RT: 4.07 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW005052.D

Acq: 31 Aug 2018 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02593

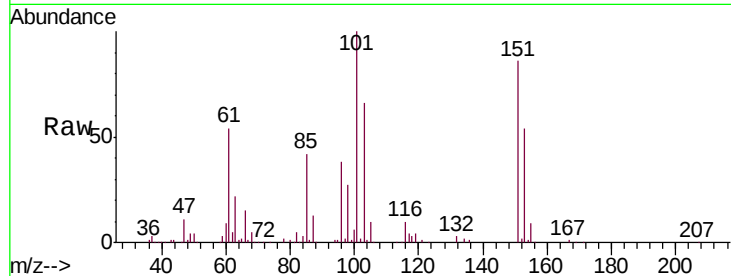
Tgt Ion:101 Resp: 200459

Ion Ratio Lower Upper

101 100

85 42.1 33.3 49.9

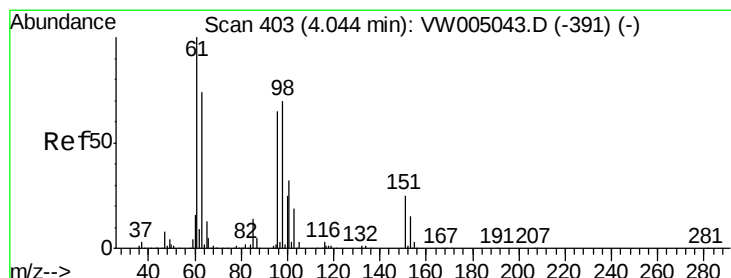
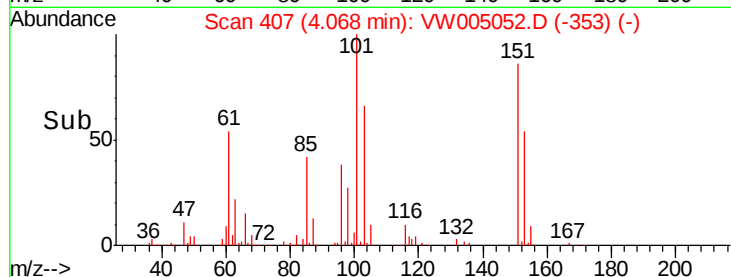
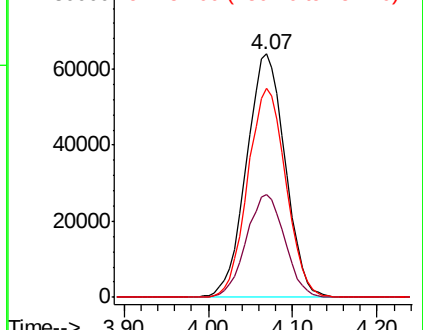
151 84.5 66.8 100.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.151 ug/L

RT: 4.04 min Scan# 403

Delta R.T. -0.00 min

Lab File: VW005052.D

Acq: 31 Aug 2018 20:50

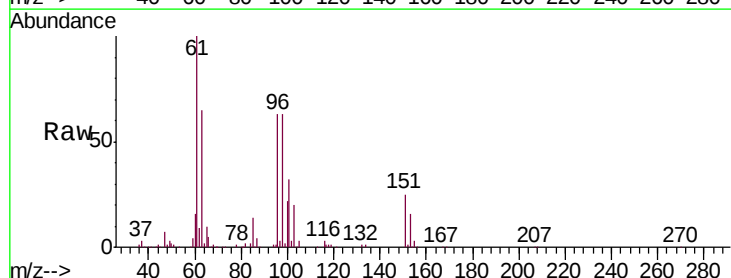
Tgt Ion: 96 Resp: 170924

Ion Ratio Lower Upper

96 100

61 159.5 108.4 201.4

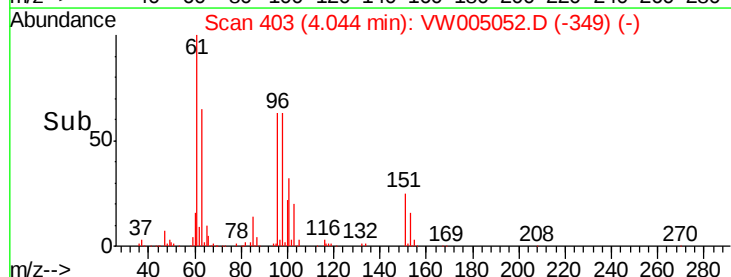
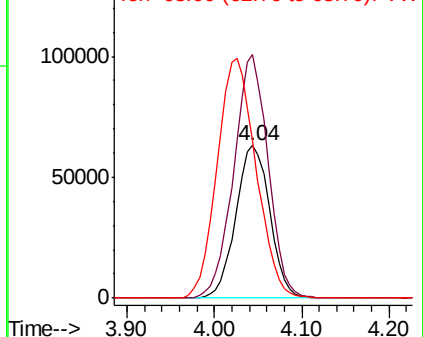
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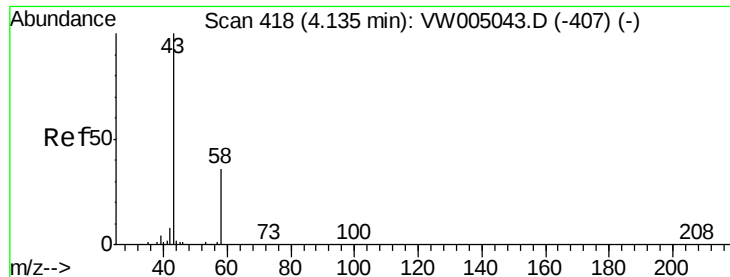


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

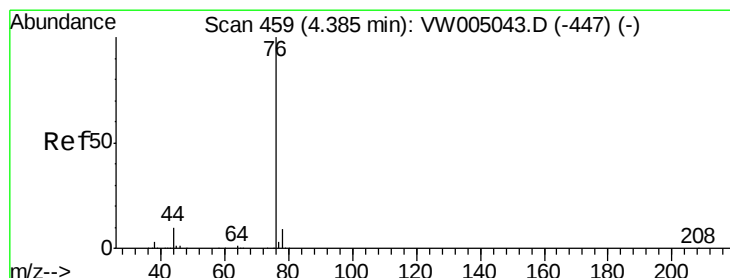
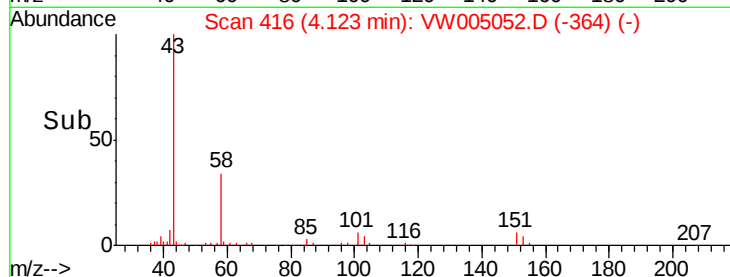
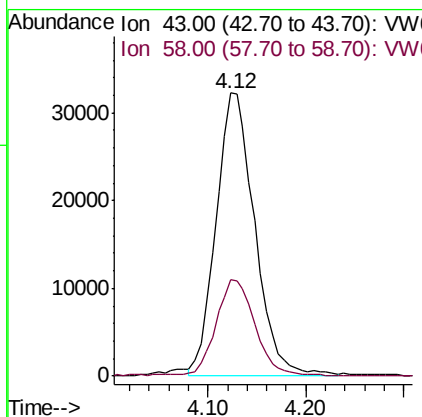
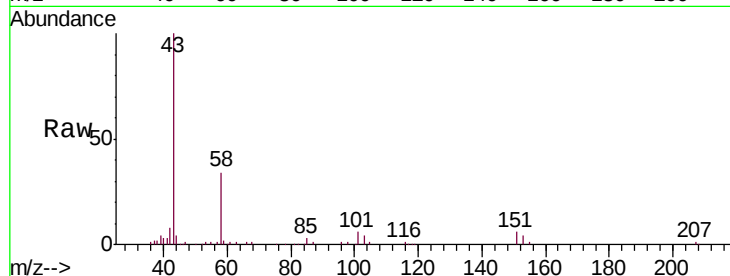




#13
Acetone
Concen: 43.309 ug/L
RT: 4.12 min Scan# 416
Delta R.T. -0.01 min
Lab File: VW005052.D
Acq: 31 Aug 2018 20:50

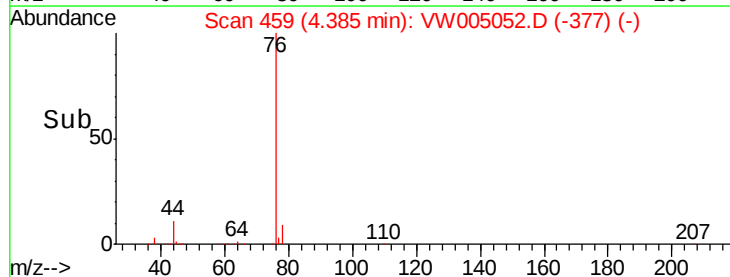
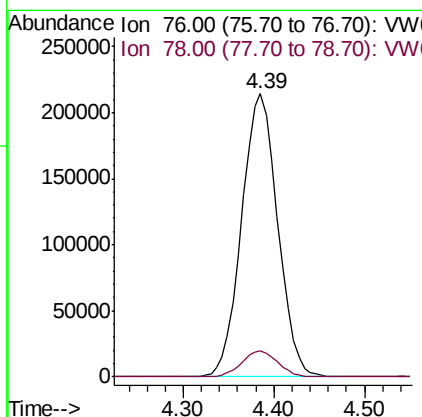
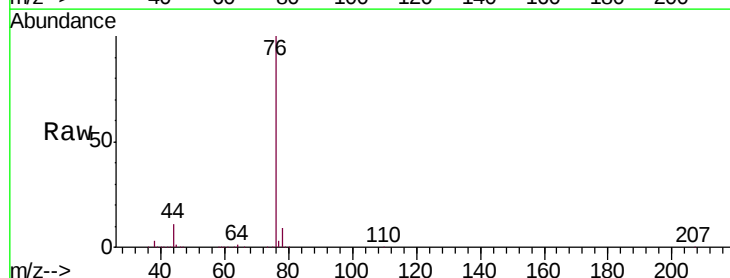
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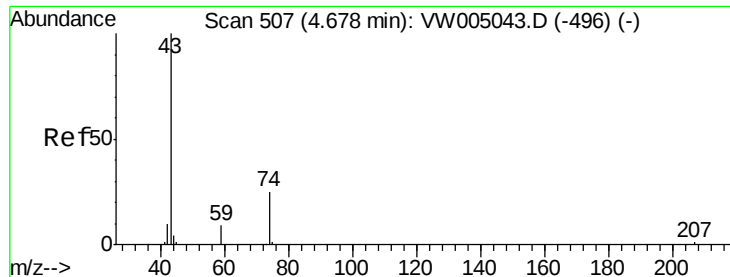
Tgt Ion: 43 Resp: 88093
Ion Ratio Lower Upper
43 100
58 34.1 0.0 70.4



#14
Carbon disulfide
Concen: 24.524 ug/L
RT: 4.39 min Scan# 459
Delta R.T. -0.00 min
Lab File: VW005052.D
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Tgt Ion: 76 Resp: 589365
Ion Ratio Lower Upper
76 100
78 9.1 7.6 11.4

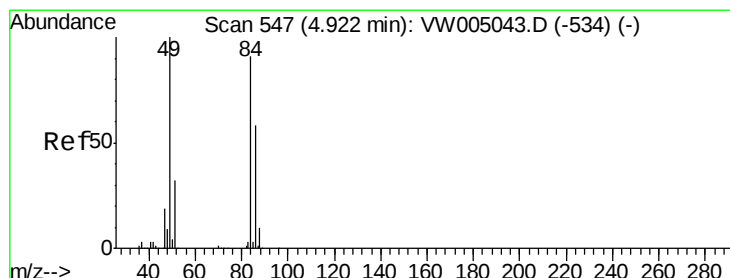
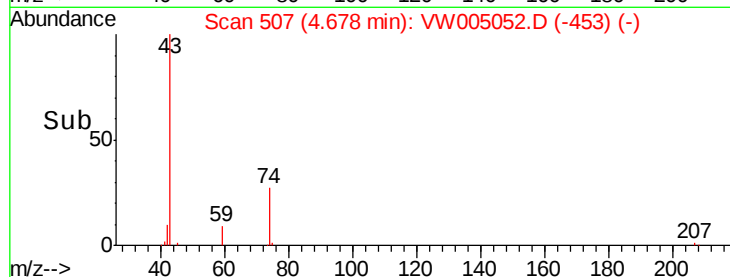
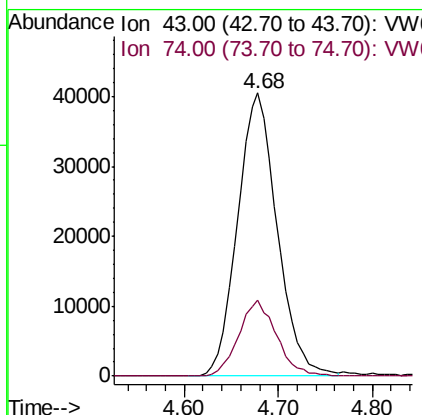
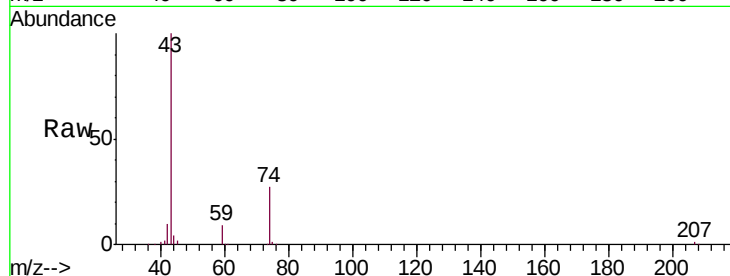




#15
Methyl Acetate
Concen: 25.716 ug/L
RT: 4.68 min Scan# 507
Delta R.T. -0.00 min
Lab File: VW005052.D
Acq: 31 Aug 2018 20:50

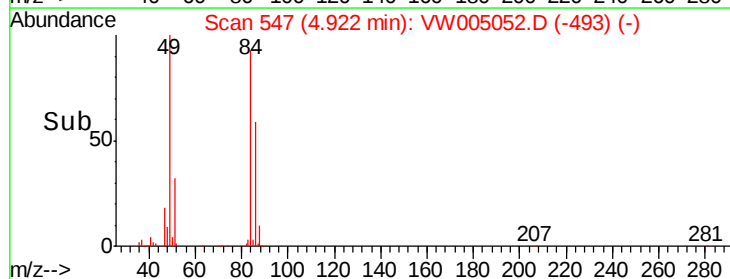
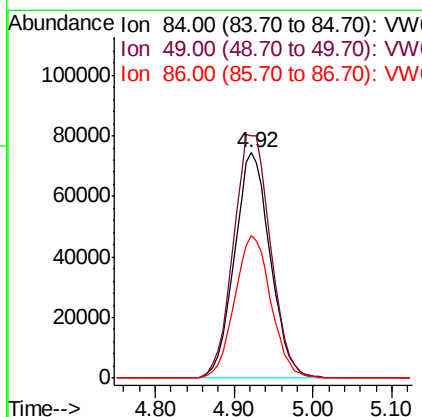
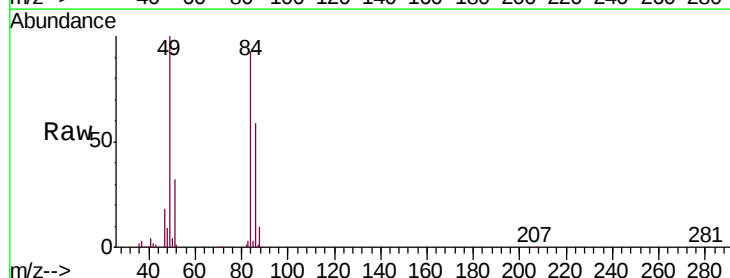
Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

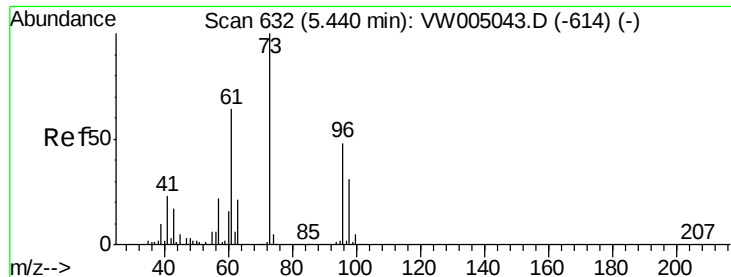
Tgt Ion: 43 Resp: 118967
Ion Ratio Lower Upper
43 100
74 25.7 20.6 30.8



#16
Methylene chloride
Concen: 20.331 ug/L
RT: 4.92 min Scan# 547
Delta R.T. -0.00 min
Lab File: VW005052.D
Acq: 31 Aug 2018 20:50

Tgt Ion: 84 Resp: 234928
Ion Ratio Lower Upper
84 100
49 107.3 77.3 143.7
86 63.4 44.7 83.1

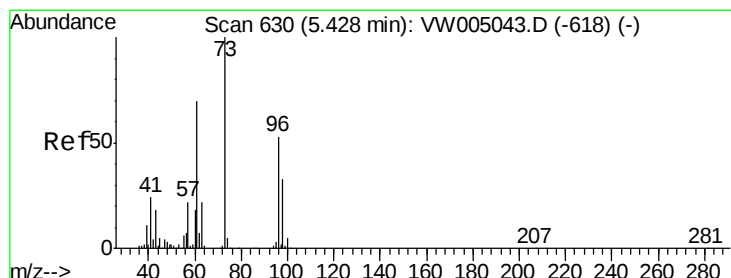
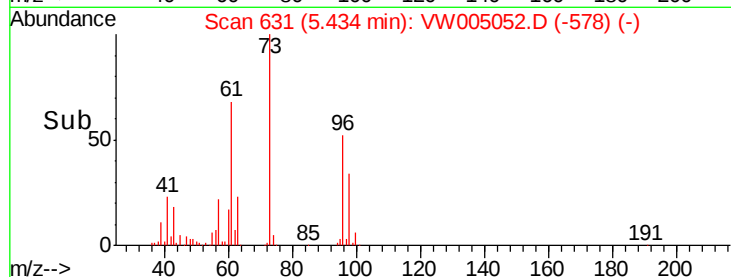
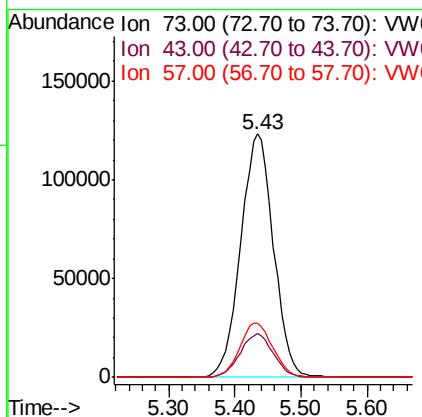
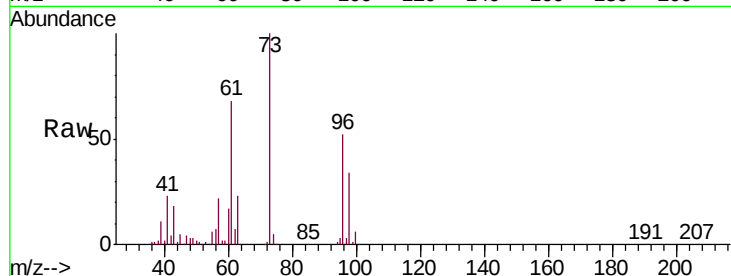




#17
Methyl tert-butyl Ether
Concen: 25.101 ug/L
RT: 5.43 min Scan# 631
Delta R.T. -0.01 min
Lab File: VW005052.D
Acq: 31 Aug 2018 20:50

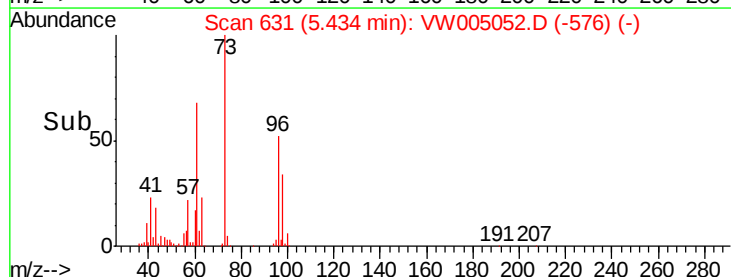
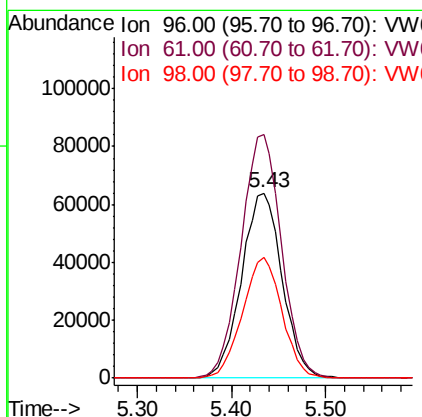
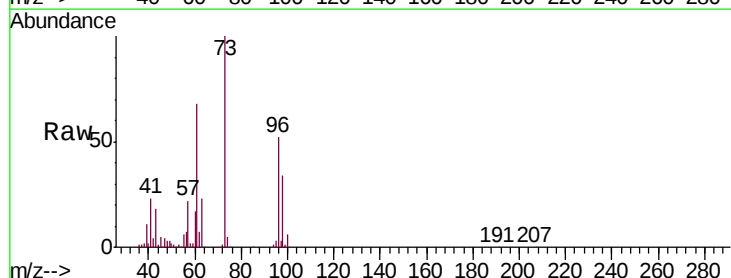
Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

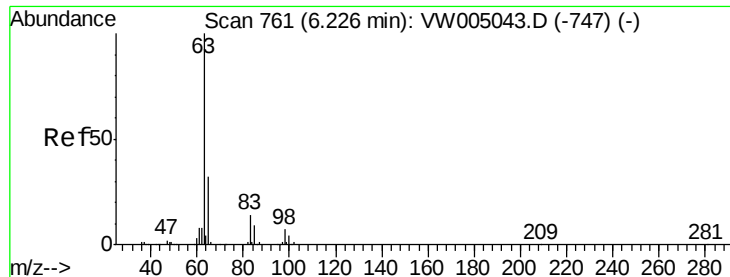
Tgt Ion: 73 Resp: 425039
Ion Ratio Lower Upper
73 100
43 18.2 14.8 22.2
57 22.5 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 25.104 ug/L
RT: 5.43 min Scan# 631
Delta R.T. 0.01 min
Lab File: VW005052.D
Acq: 31 Aug 2018 20:50

Tgt Ion: 96 Resp: 192263
Ion Ratio Lower Upper
96 100
61 131.3 92.3 171.3
98 65.0 42.8 79.6

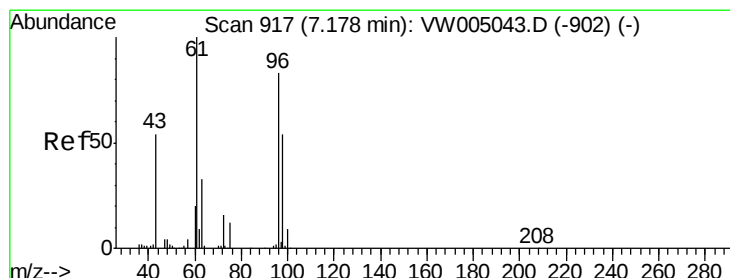
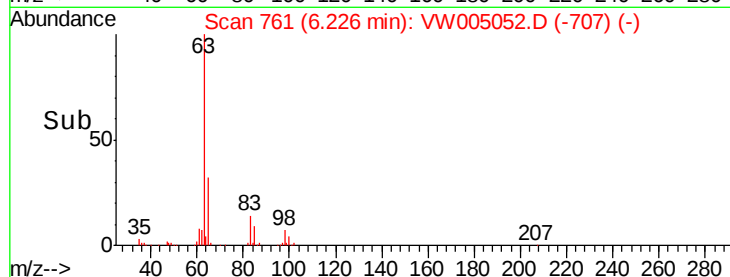
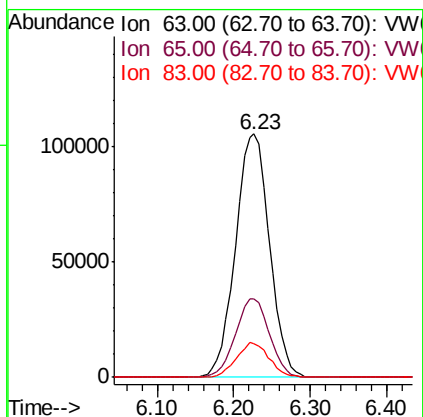
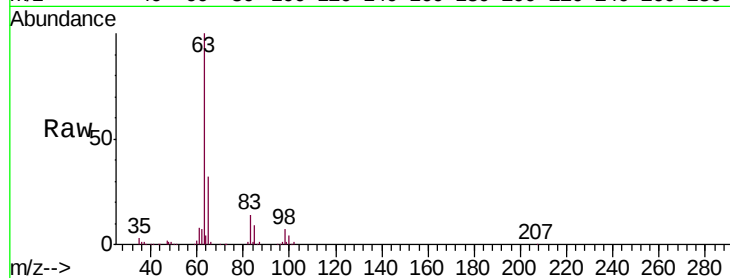




#19
 1,1-Dichloroethane
 Concen: 25.121 ug/L
 RT: 6.23 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VW005052.D
 Acq: 31 Aug 2018 20:50

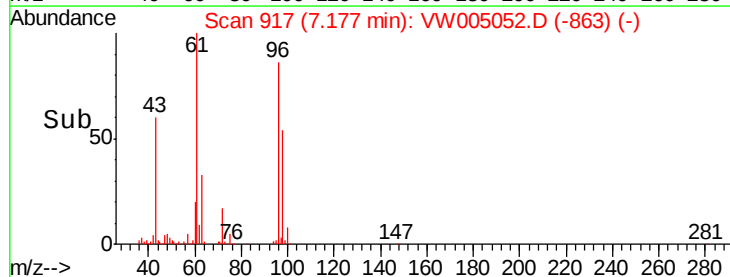
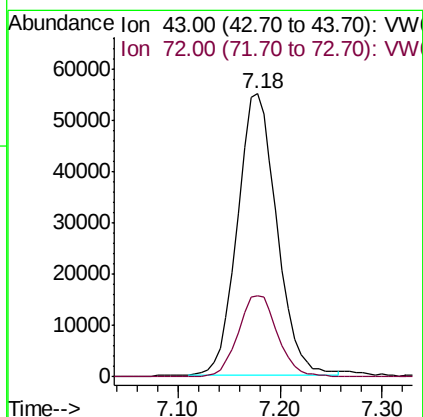
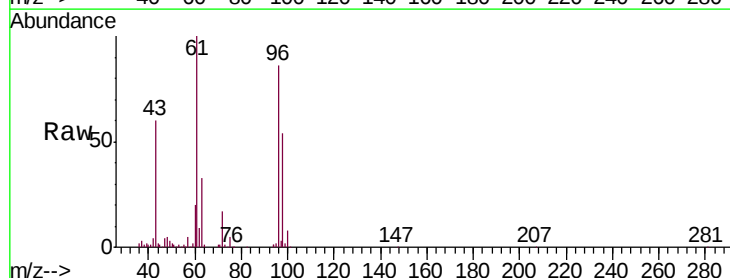
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

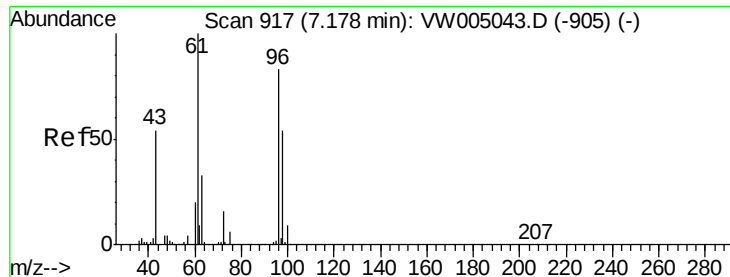
Tgt Ion: 63 Resp: 324693
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.2 41.2
 83 14.0 9.8 18.2



#21
 2-Butanone
 Concen: 49.951 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VW005052.D
 Acq: 31 Aug 2018 20:50

Tgt Ion: 43 Resp: 147154
 Ion Ratio Lower Upper
 43 100
 72 29.0 14.4 43.2



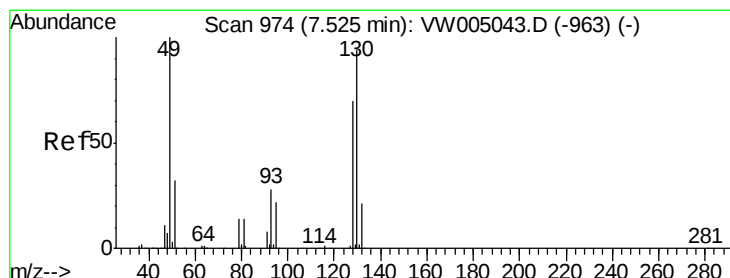
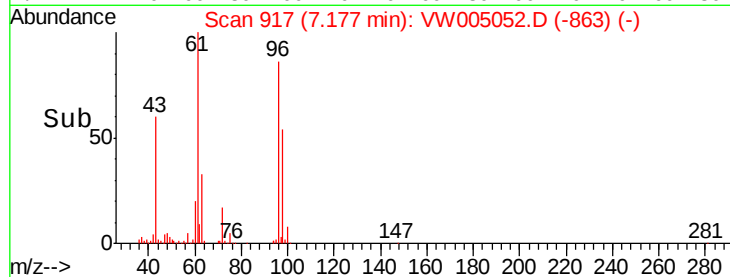
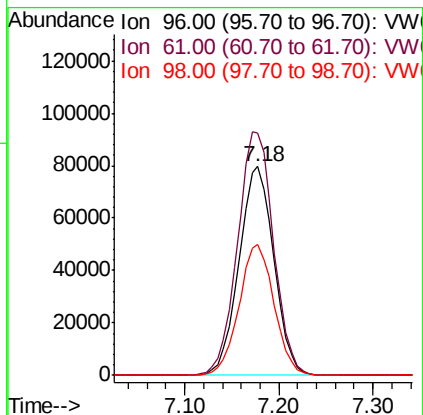
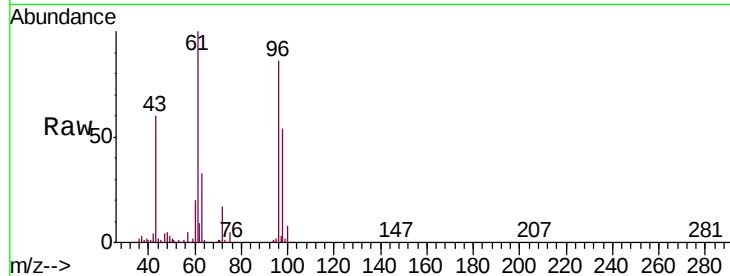


#22

cis-1,2-Dichloroethene
 Concen: 25.481 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VW005052.D
 Acq: 31 Aug 2018 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

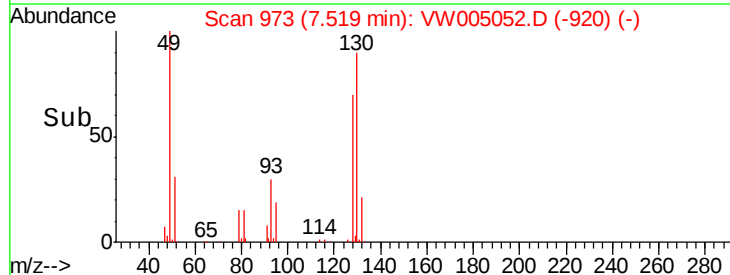
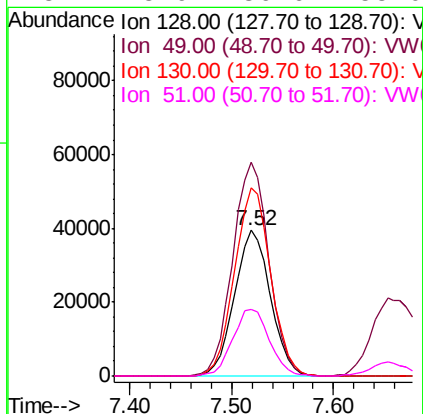
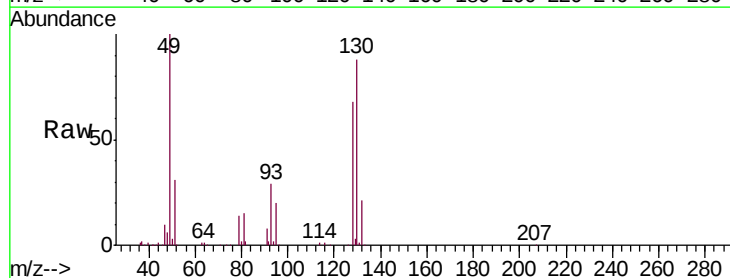
Tgt Ion: 96 Resp: 206532
 Ion Ratio Lower Upper
 96 100
 61 116.1 84.8 157.4
 98 62.7 45.8 85.2

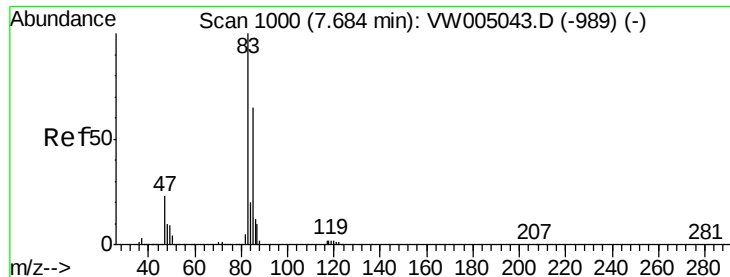


#23

Bromochloromethane
 Concen: 24.620 ug/L
 RT: 7.52 min Scan# 973
 Delta R.T. -0.01 min
 Lab File: VW005052.D
 Acq: 31 Aug 2018 20:50

Tgt Ion: 128 Resp: 96603
 Ion Ratio Lower Upper
 128 100
 49 146.6 100.0 185.8
 130 128.8 94.5 175.5
 51 45.9 36.6 55.0

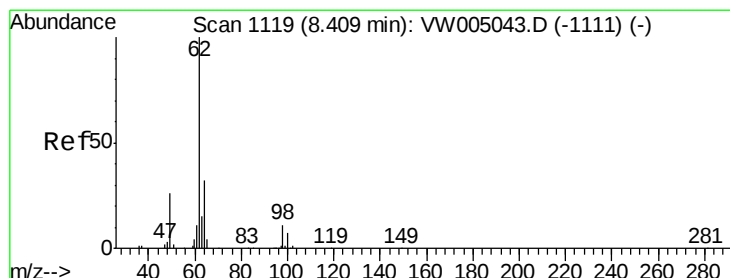
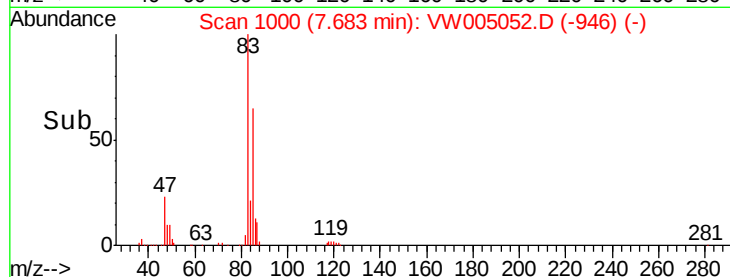
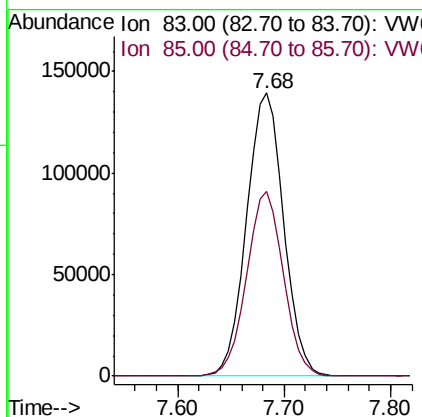
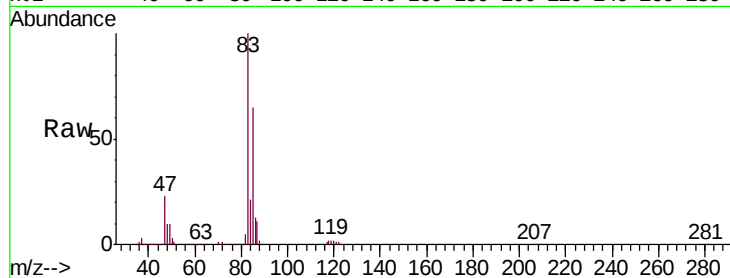




#25
Chloroform
Concen: 25.143 ug/L
RT: 7.68 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VW005052.D
Acq: 31 Aug 2018 20:50

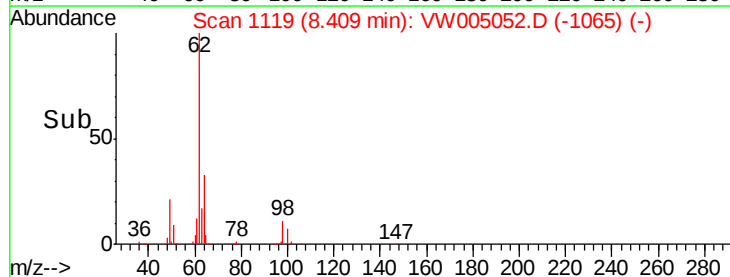
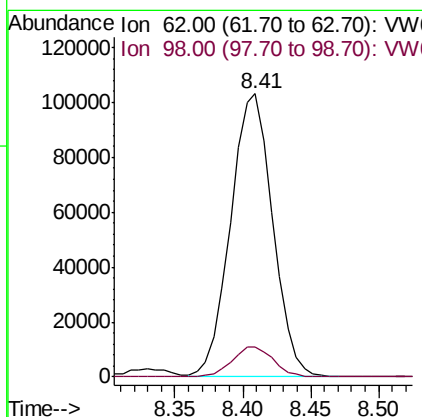
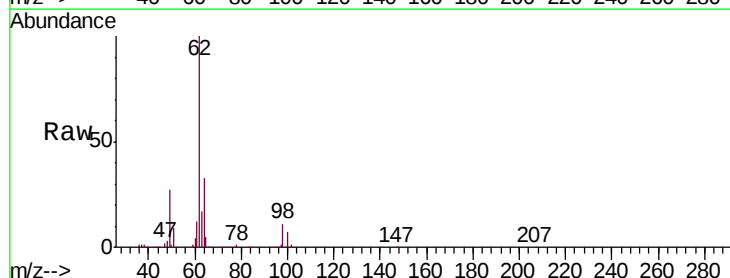
Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

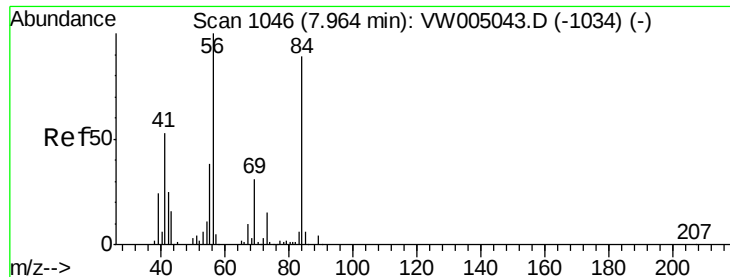
Tgt Ion: 83 Resp: 341386
Ion Ratio Lower Upper
83 100
85 64.7 46.0 85.4



#27
1,2-Dichloroethane
Concen: 24.856 ug/L
RT: 8.41 min Scan# 1119
Delta R.T. -0.00 min
Lab File: VW005052.D
Acq: 31 Aug 2018 20:50

Tgt Ion: 62 Resp: 222405
Ion Ratio Lower Upper
62 100
98 10.5 8.4 12.6

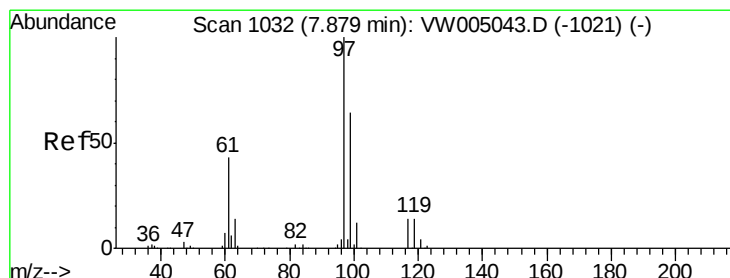
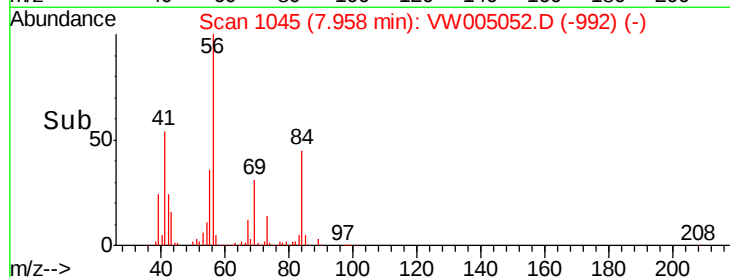
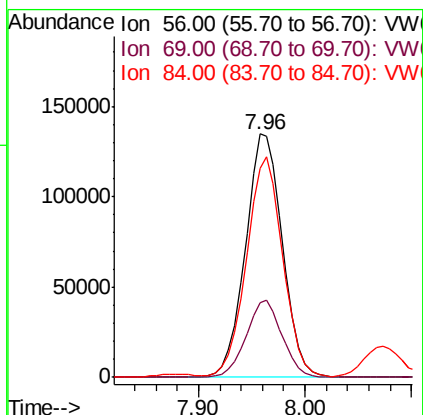
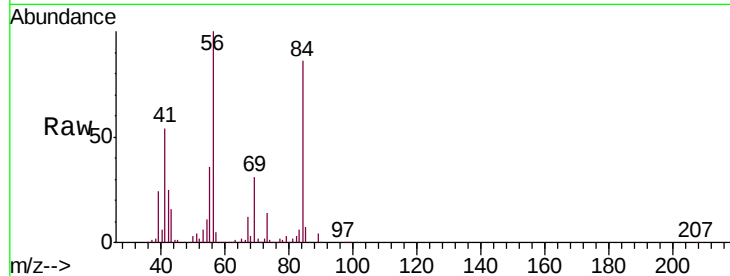




#30
Cyclohexane
Concen: 27.406 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VW005052.D
Acq: 31 Aug 2018 20:50

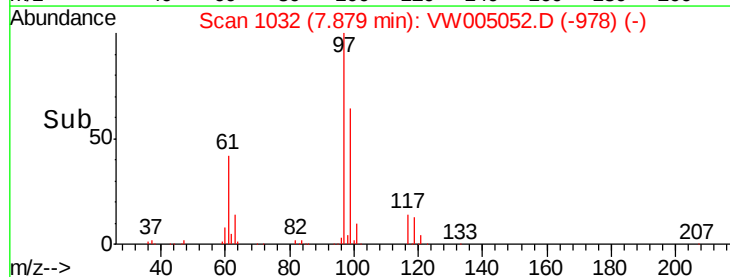
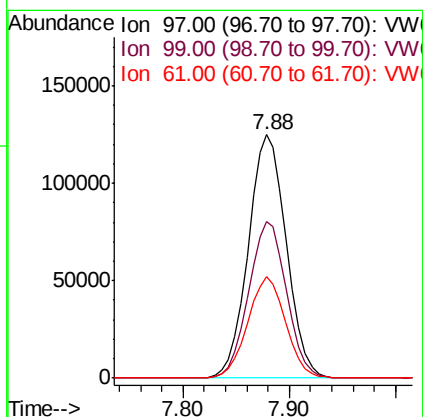
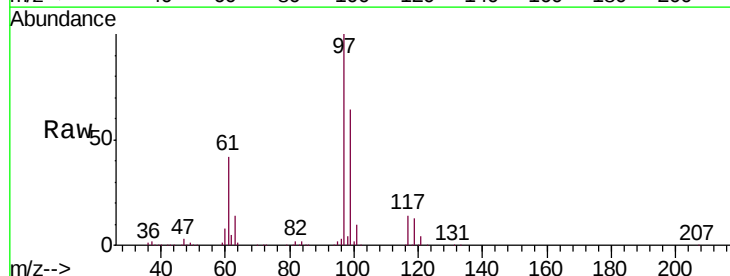
Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

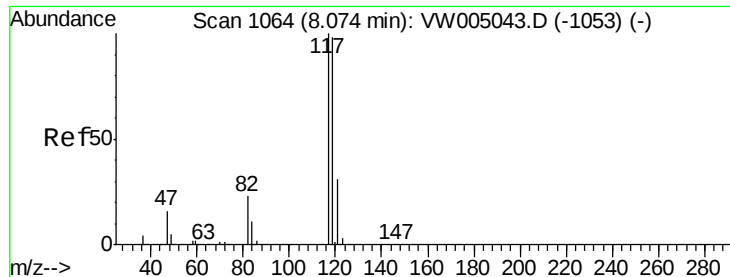
Tgt Ion: 56 Resp: 327997
Ion Ratio Lower Upper
56 100
69 31.0 25.0 37.6
84 89.1 71.4 107.0



#31
1,1,1-Trichloroethane
Concen: 26.383 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VW005052.D
Acq: 31 Aug 2018 20:50

Tgt Ion: 97 Resp: 312433
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.2
61 41.5 33.4 50.0





#32

Carbon tetrachloride

Concen: 26.452 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VW005052.D

Acq: 31 Aug 2018 20:50

Instrument :

MSVOA_W

ClientSampleId :

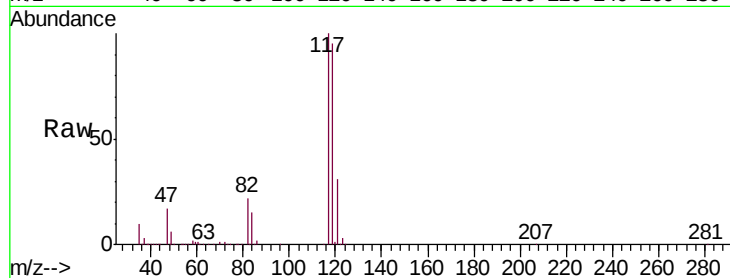
VSTD02593

Tgt Ion:117 Resp: 283714

Ion Ratio Lower Upper

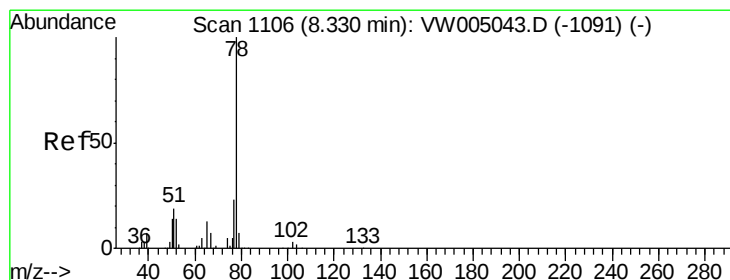
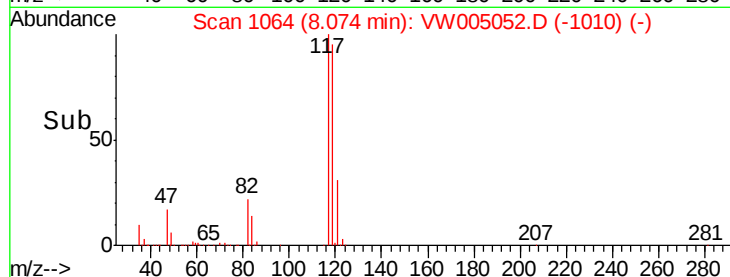
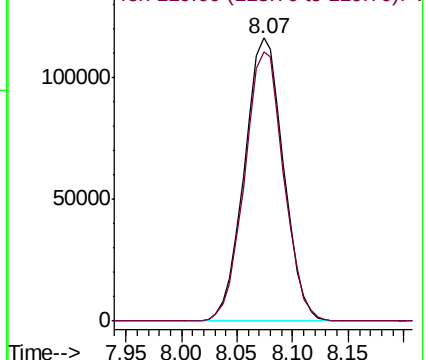
117 100

119 95.6 78.1 117.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.722 ug/L

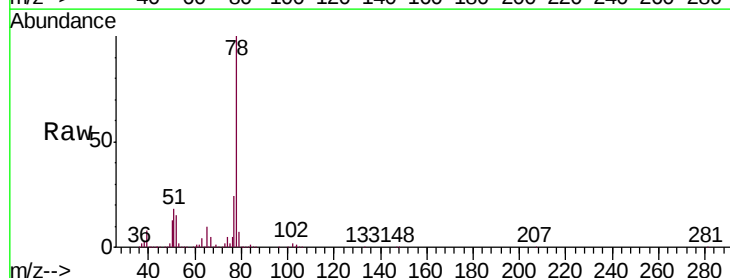
RT: 8.33 min Scan# 1106

Delta R.T. -0.00 min

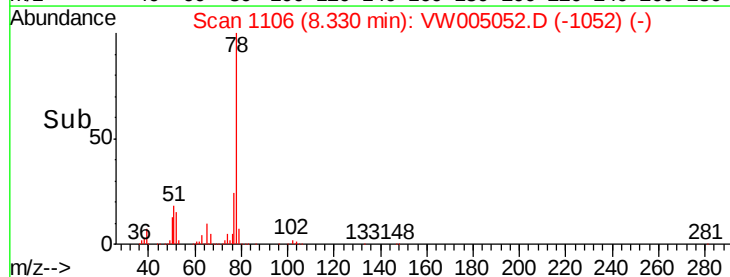
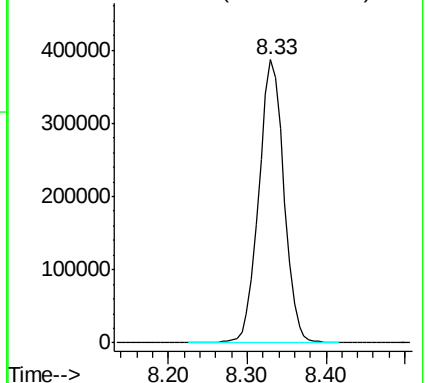
Lab File: VW005052.D

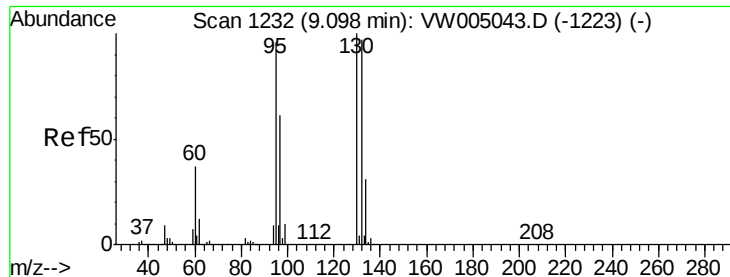
Acq: 31 Aug 2018 20:50

Tgt Ion: 78 Resp: 858723



Abundance Ion 78.00 (77.70 to 78.70): VW

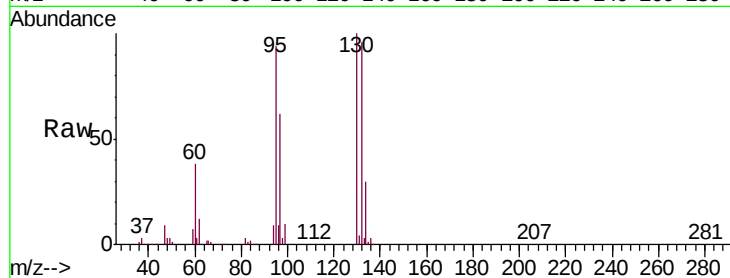




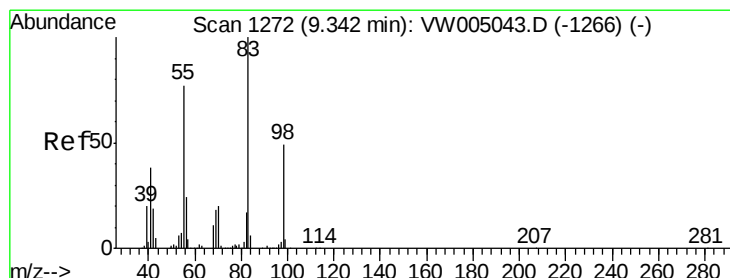
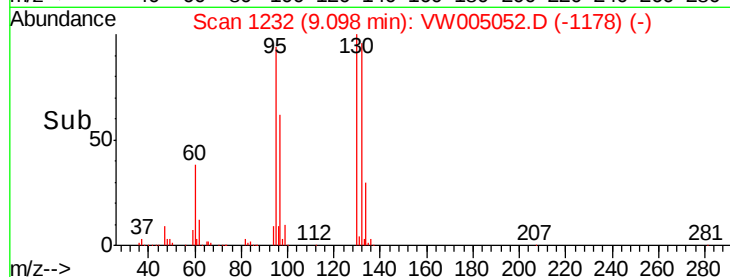
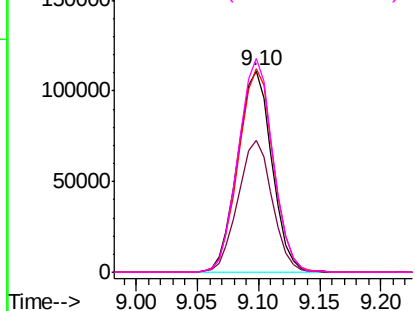
#35
 Trichloroethene
 Concen: 25.559 ug/L
 RT: 9.10 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VW005052.D
 Acq: 31 Aug 2018 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

Tgt Ion: 95 Resp: 217700
 Ion Ratio Lower Upper
 95 100
 97 65.4 44.9 83.5
 132 102.4 72.3 134.3
 130 106.5 74.0 137.4

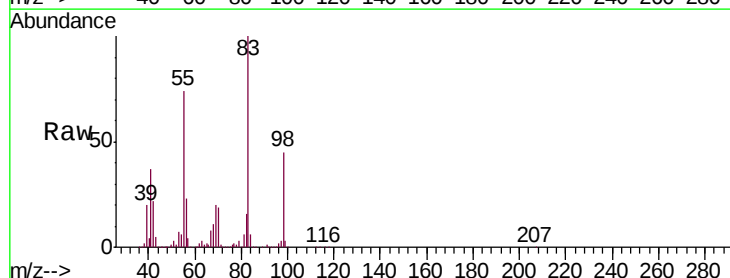


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

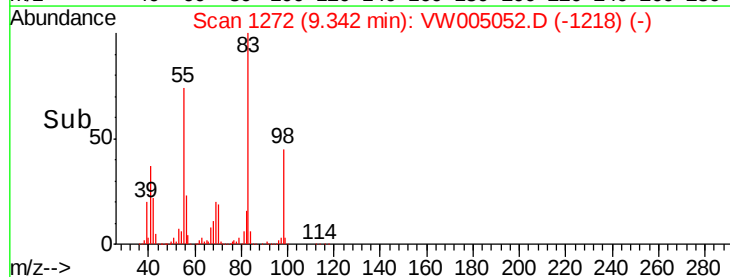
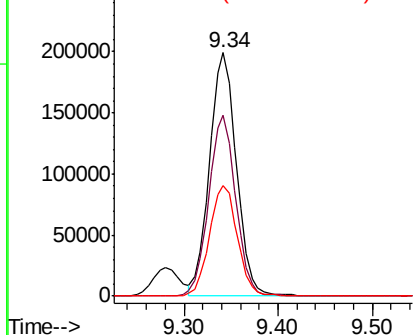


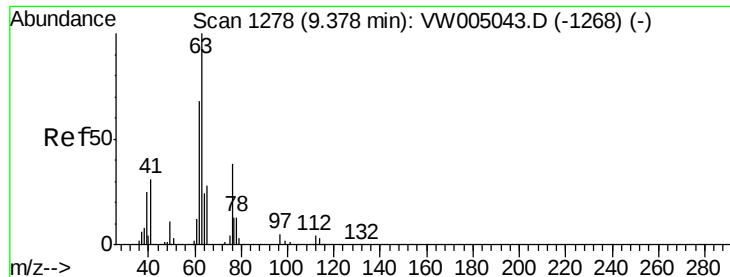
#36
 Methylcyclohexane
 Concen: 27.476 ug/L
 RT: 9.34 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VW005052.D
 Acq: 31 Aug 2018 20:50

Tgt Ion: 83 Resp: 394803
 Ion Ratio Lower Upper
 83 100
 55 74.3 59.5 89.3
 98 46.5 37.4 56.2



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

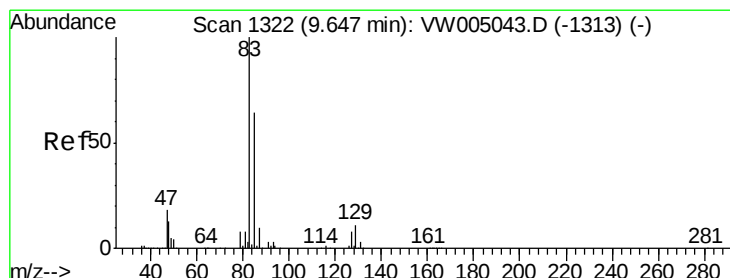
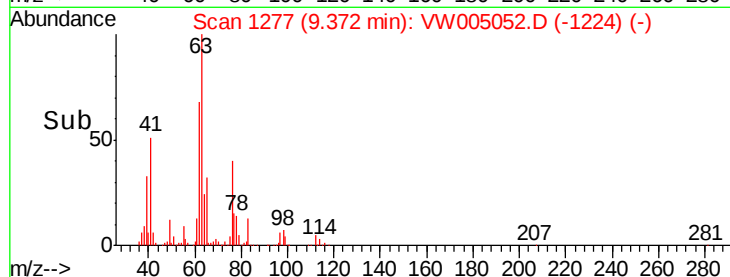
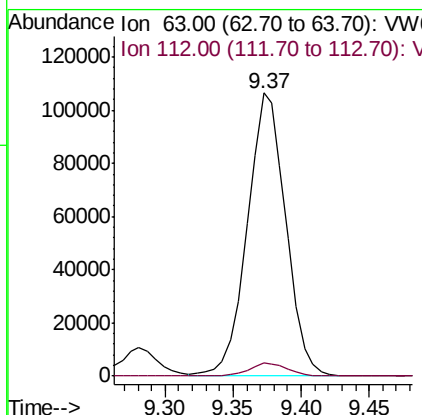
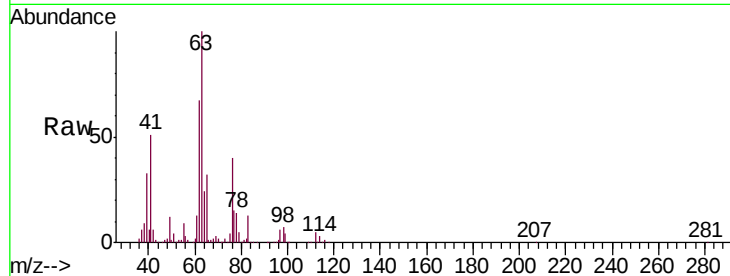




#40
 1,2-Dichloropropane
 Concen: 25.773 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: VW005052.D
 Acq: 31 Aug 2018 20:50

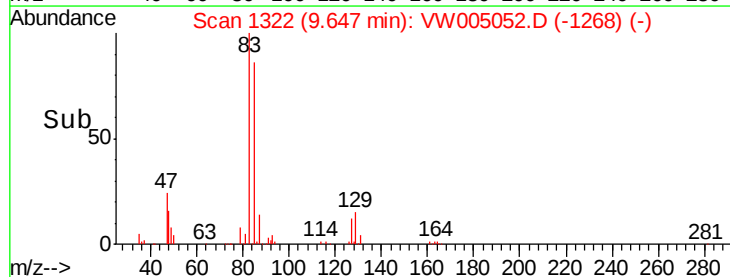
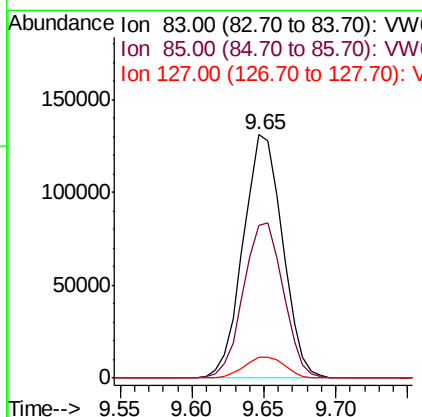
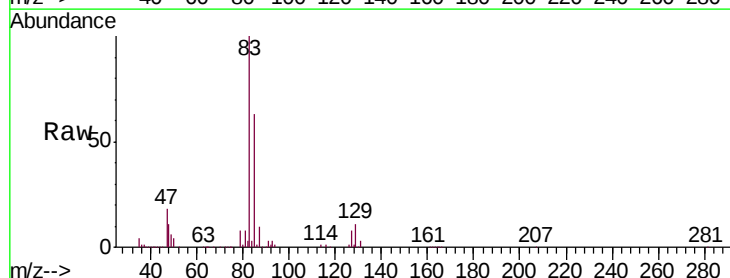
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

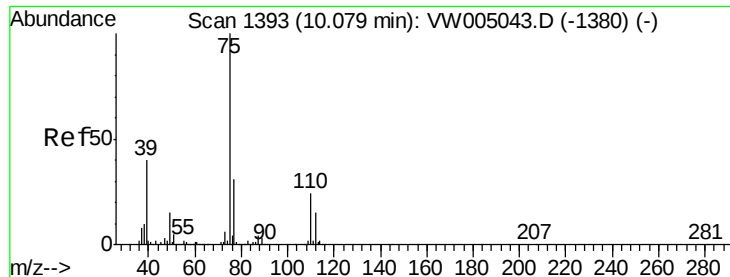
Tgt Ion: 63 Resp: 210479
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.6 5.4



#41
 Bromodichloromethane
 Concen: 25.325 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW005052.D
 Acq: 31 Aug 2018 20:50

Tgt Ion: 83 Resp: 248940
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.6 82.8
 127 8.4 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 25.410 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005052.D

Acq: 31 Aug 2018 20:50

Instrument :

MSVOA_W

ClientSampleId :

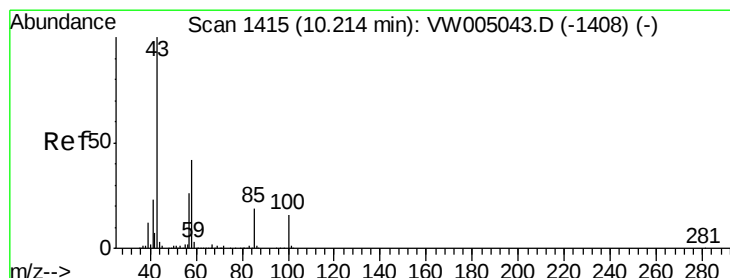
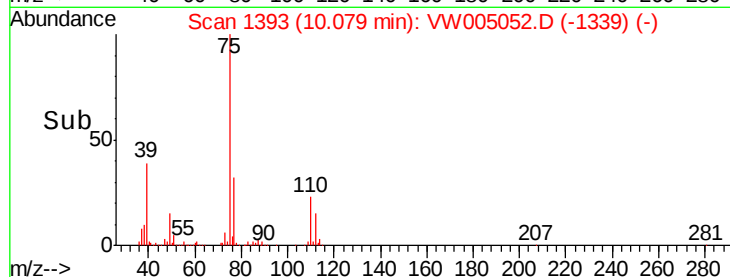
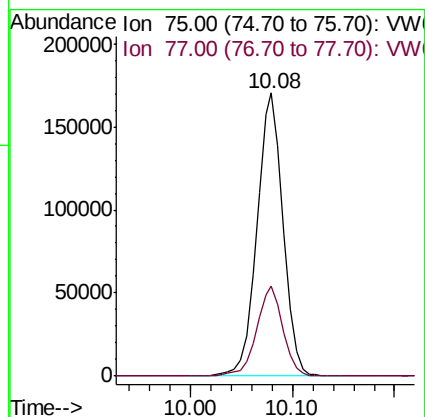
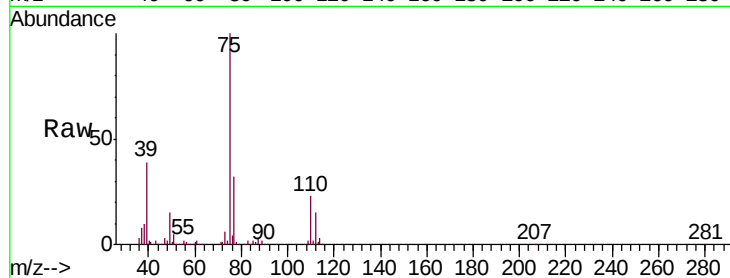
VSTD02593

Tgt Ion: 75 Resp: 304295

Ion Ratio Lower Upper

75 100

77 31.7 21.9 40.7



#43

4-Methyl-2-pentanone

Concen: 55.070 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW005052.D

Acq: 31 Aug 2018 20:50

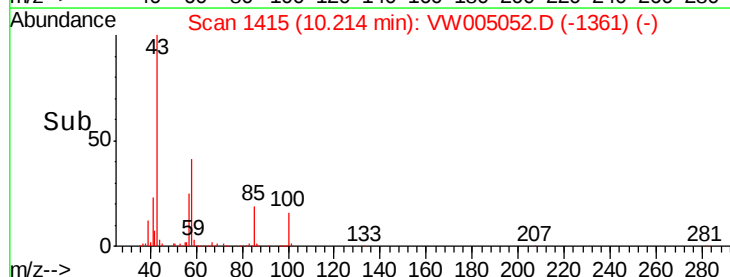
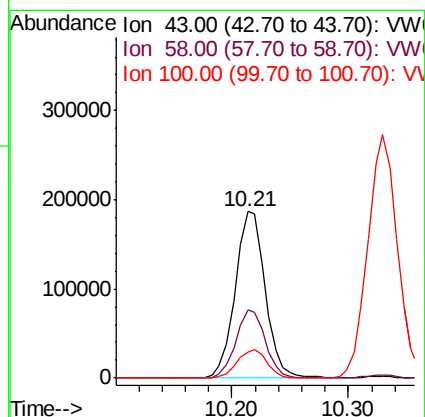
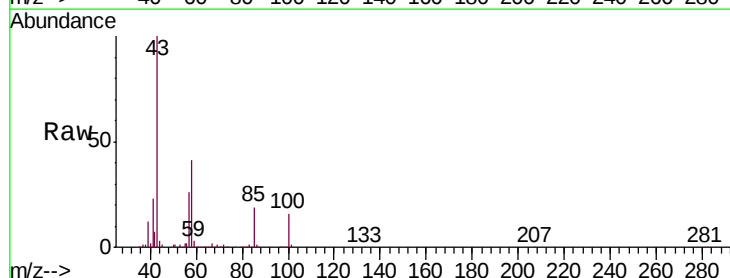
Tgt Ion: 43 Resp: 334226

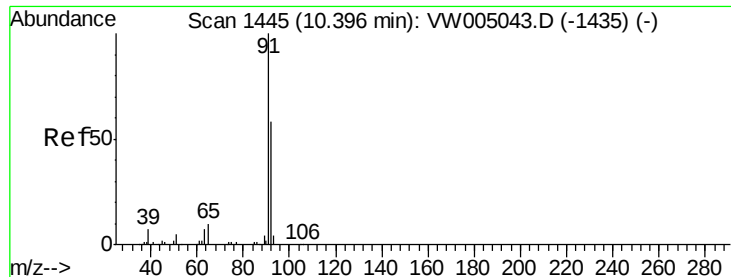
Ion Ratio Lower Upper

43 100

58 40.9 33.4 50.0

100 17.1 13.4 20.2





#44

Toluene

Concen: 27.254 ug/L

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW005052.D

Acq: 31 Aug 2018 20:50

Instrument :

MSVOA_W

ClientSampleId :

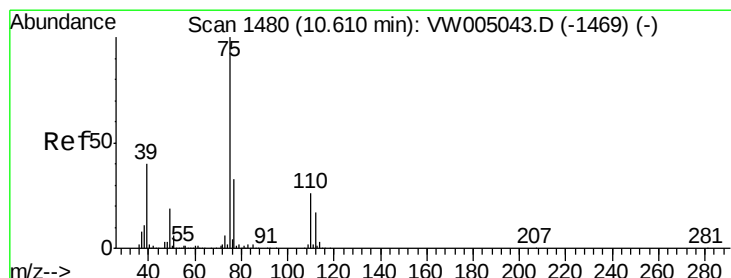
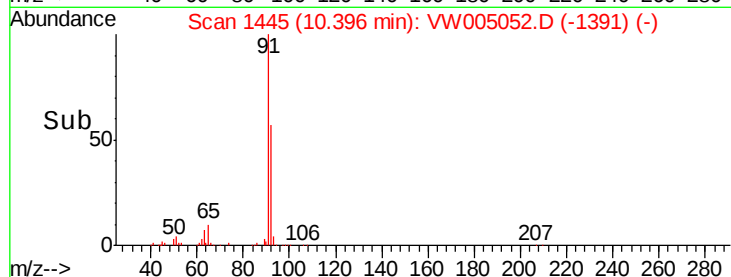
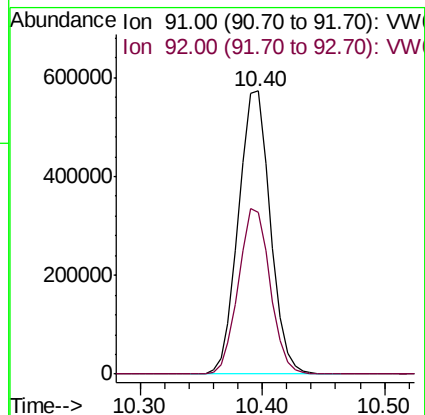
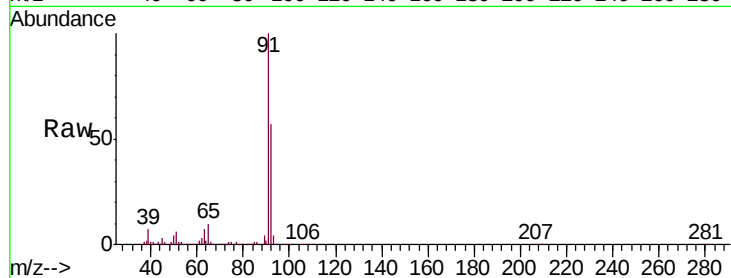
VSTD02593

Tgt Ion: 91 Resp: 1036549

Ion Ratio Lower Upper

91 100

92 57.3 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 25.709 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW005052.D

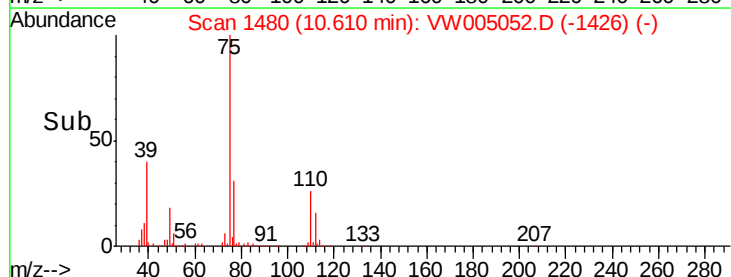
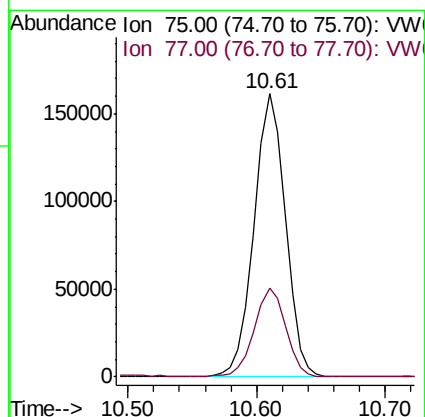
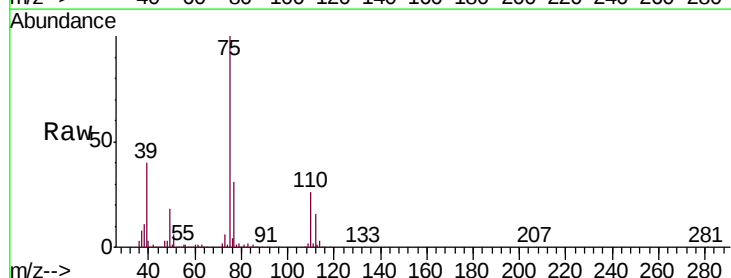
Acq: 31 Aug 2018 20:50

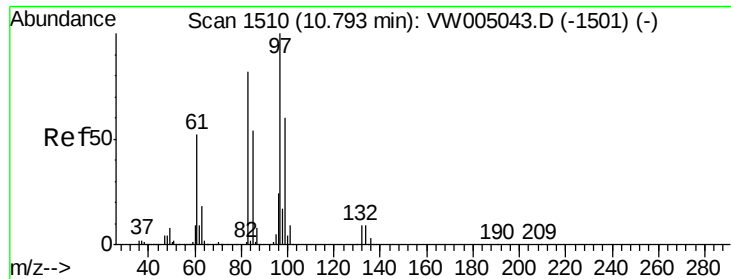
Tgt Ion: 75 Resp: 271743

Ion Ratio Lower Upper

75 100

77 31.4 23.2 43.0

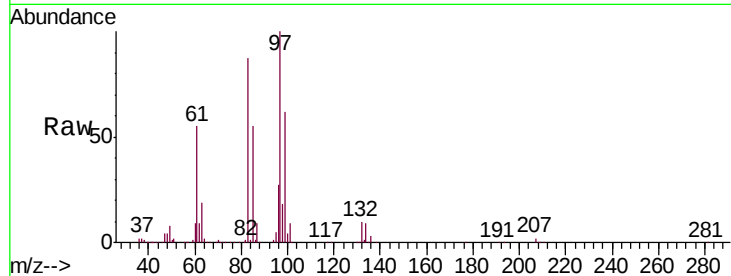




#46
 1,1,2-Trichloroethane
 Concen: 25.057 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW005052.D
 Acq: 31 Aug 2018 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

Tgt Ion:	97	Resp:	171019
Ion	Ratio	Lower	Upper
97	100		
83	87.5	57.3	106.5
85	54.8	37.8	70.2
99	62.5	42.0	78.0



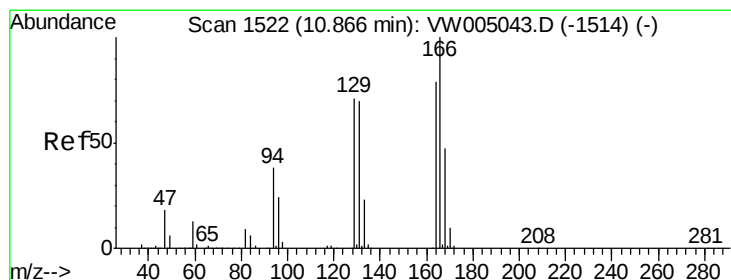
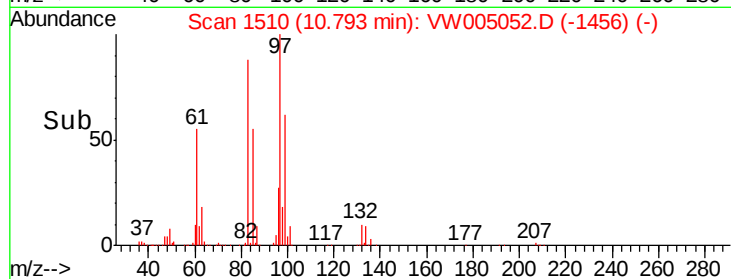
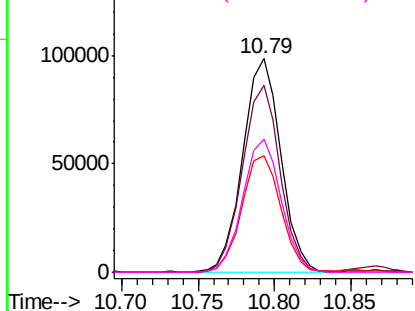
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

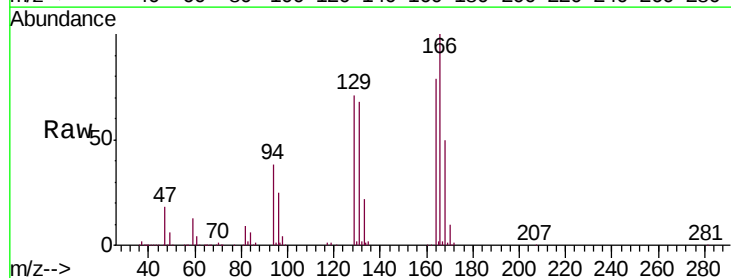
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 26.781 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW005052.D
 Acq: 31 Aug 2018 20:50

Tgt Ion:	164	Resp:	215409
Ion	Ratio	Lower	Upper
164	100		
129	88.7	62.6	116.2
131	85.4	61.9	115.1
166	125.8	88.7	164.7



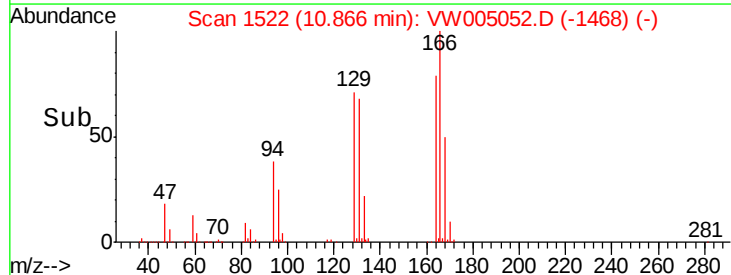
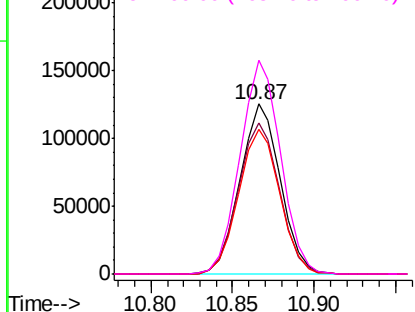
Abundance

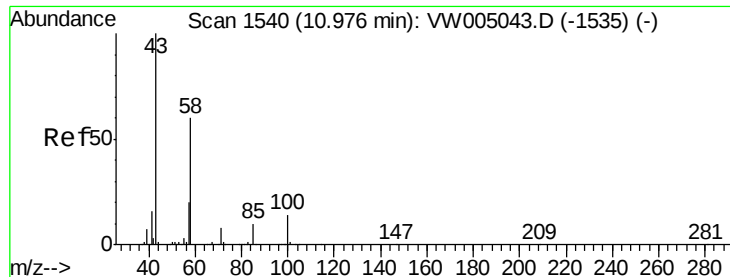
Ion 164.00 (163.70 to 164.70): V

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

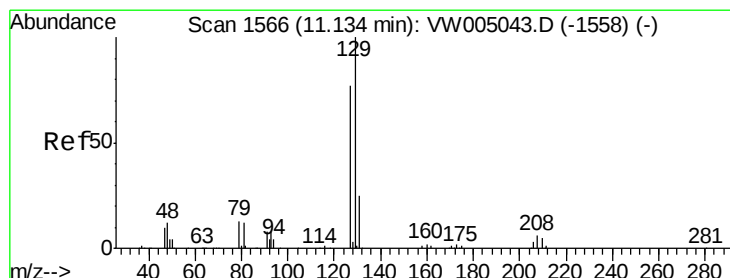
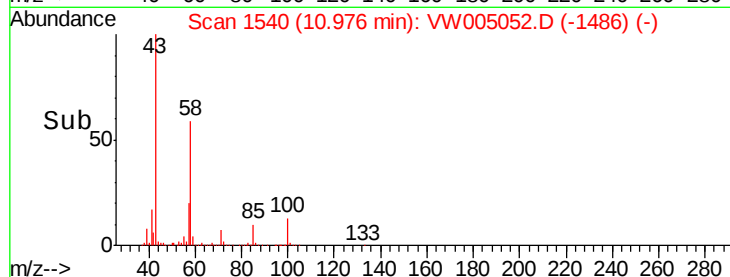
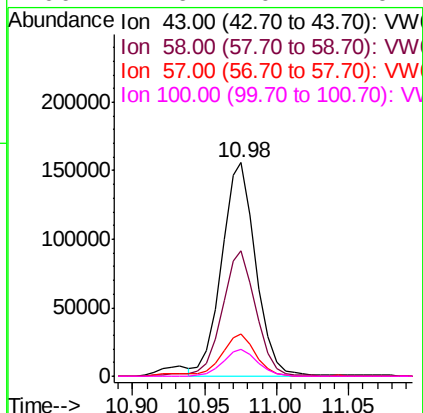
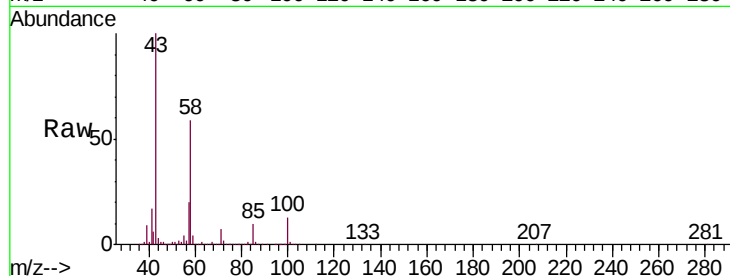




#49
2-Hexanone
Concen: 58.876 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW005052.D
Acq: 31 Aug 2018 20:50

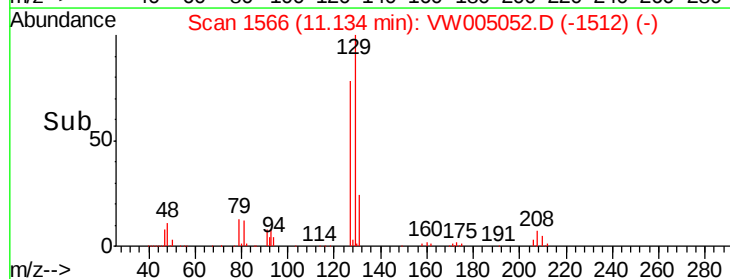
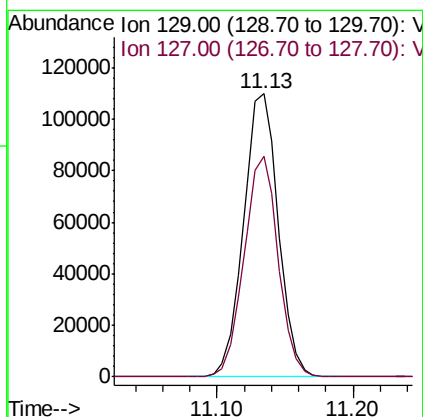
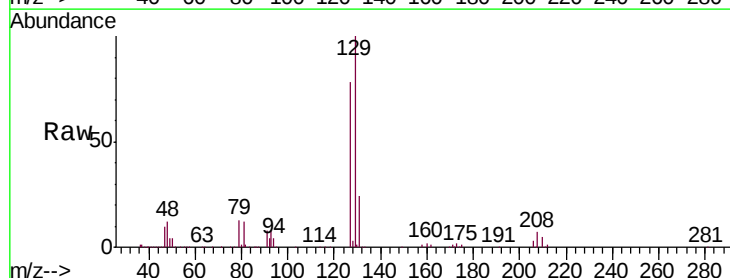
Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

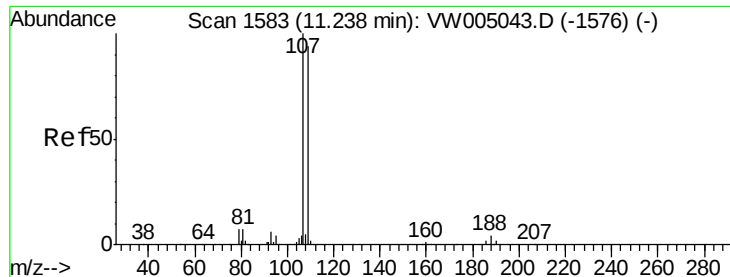
Tgt Ion:	43	Resp:	258711
Ion	Ratio	Lower	Upper
43	100		
58	57.5	45.8	68.8
57	19.4	15.9	23.9
100	12.6	10.7	16.1



#50
Dibromochloromethane
Concen: 25.812 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW005052.D
Acq: 31 Aug 2018 20:50

Tgt Ion:	129	Resp:	196121
Ion	Ratio	Lower	Upper
129	100		
127	77.8	54.1	100.5

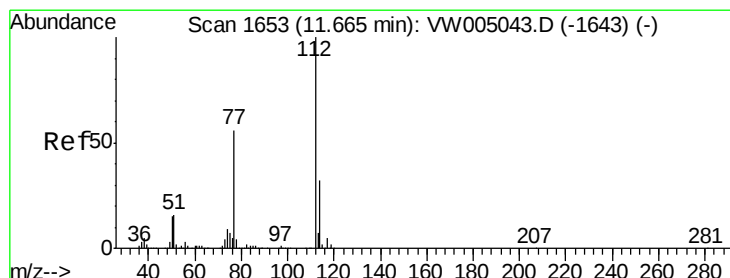
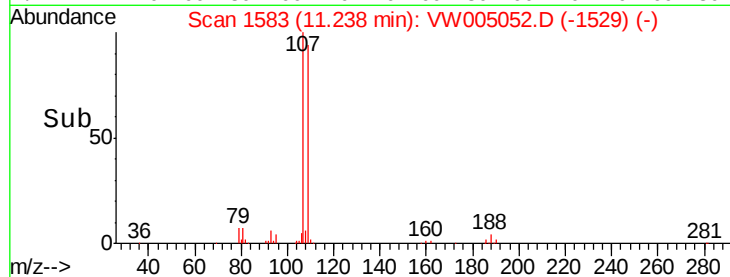
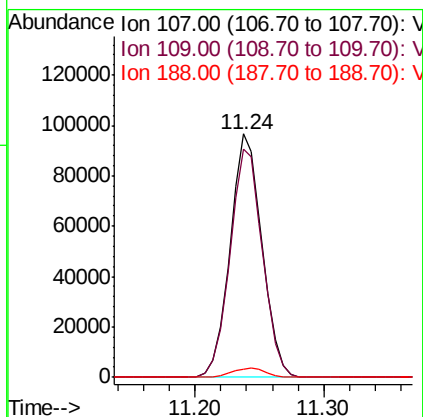
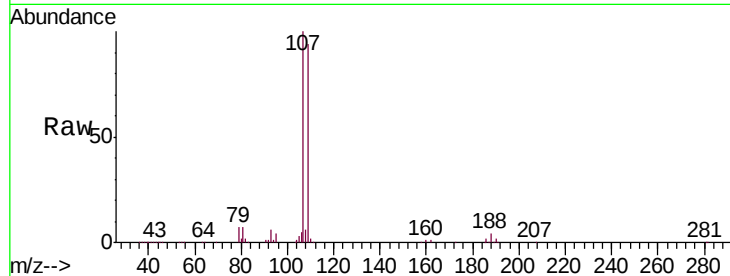




#51
 1,2-Dibromoethane
 Concen: 25.637 ug/L
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW005052.D
 Acq: 31 Aug 2018 20:50

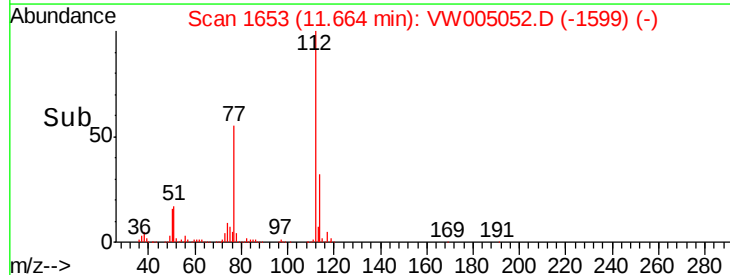
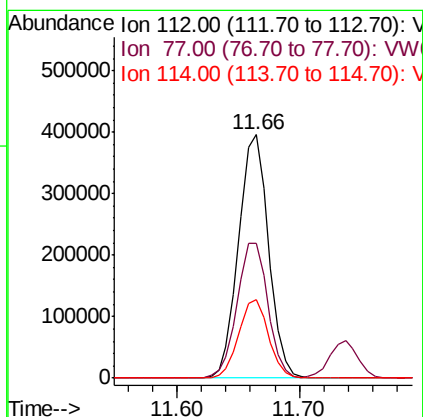
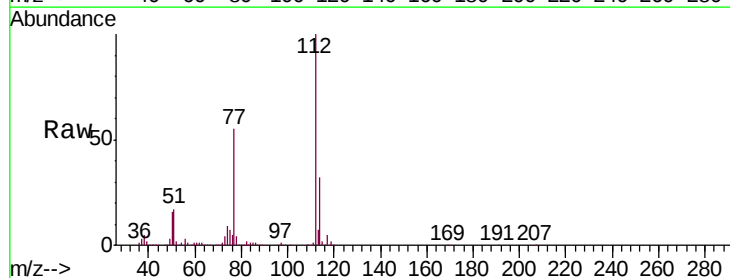
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

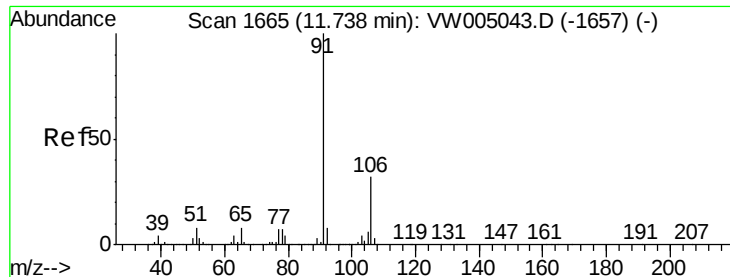
Tgt Ion:107 Resp: 165588
 Ion Ratio Lower Upper
 107 100
 109 93.8 65.9 122.5
 188 3.6 2.8 4.2



#52
 Chlorobenzene
 Concen: 25.861 ug/L
 RT: 11.66 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: VW005052.D
 Acq: 31 Aug 2018 20:50

Tgt Ion:112 Resp: 673951
 Ion Ratio Lower Upper
 112 100
 77 55.5 44.5 66.7
 114 32.5 22.3 41.3





#53

Ethylbenzene

Concen: 27.093 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW005052.D

Acq: 31 Aug 2018 20:50

Instrument :

MSVOA_W

ClientSampleId :

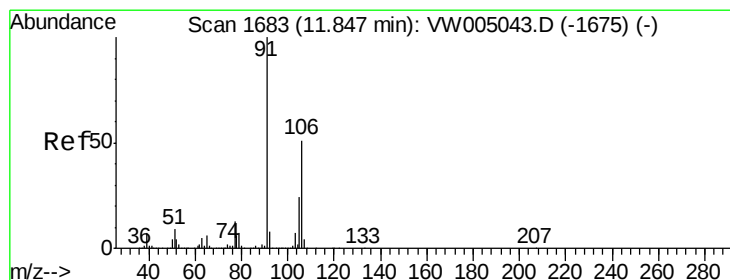
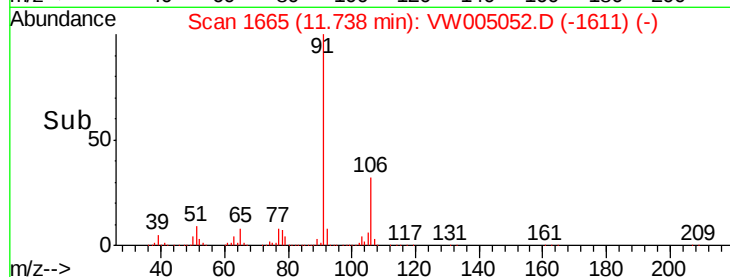
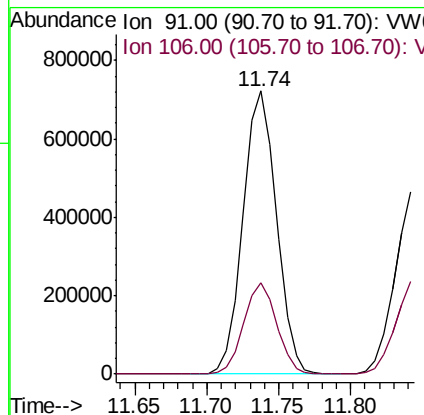
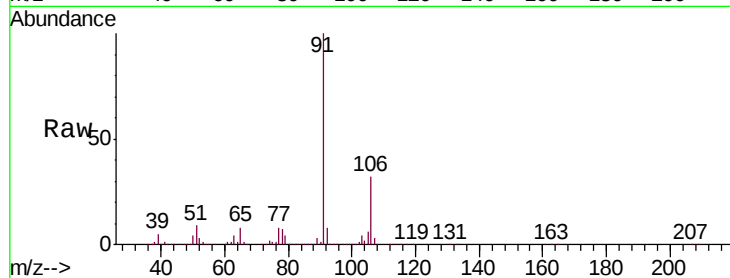
VSTD02593

Tgt Ion: 91 Resp: 1160493

Ion Ratio Lower Upper

91 100

106 32.1 22.5 41.7



#54

m,p-Xylene

Concen: 27.103 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW005052.D

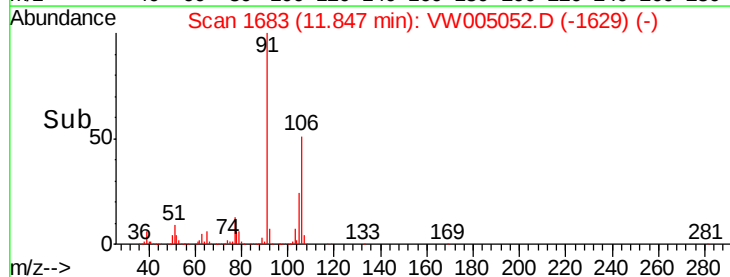
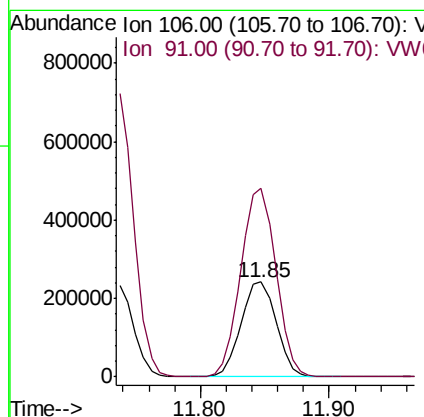
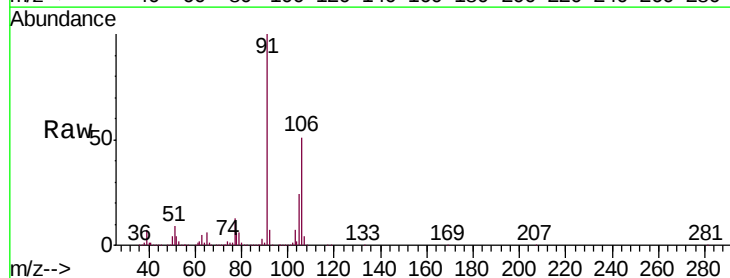
Acq: 31 Aug 2018 20:50

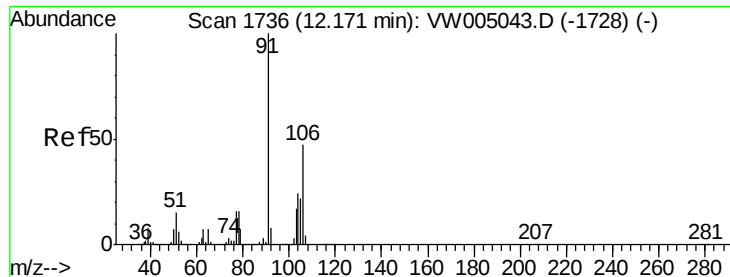
Tgt Ion: 106 Resp: 460128

Ion Ratio Lower Upper

106 100

91 197.8 136.8 254.0





#55

o-xylene

Concen: 27.380 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW005052.D

Acq: 31 Aug 2018 20:50

Instrument :

MSVOA_W

ClientSampleId :

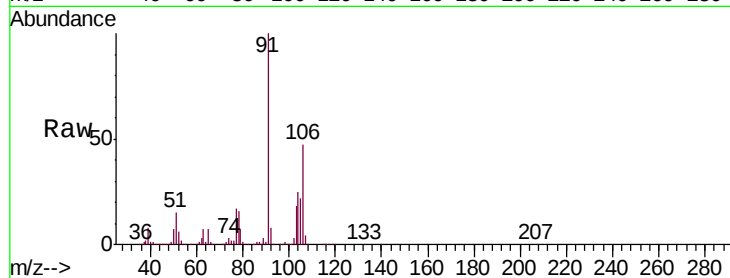
VSTD02593

Tgt Ion:106 Resp: 431822

Ion Ratio Lower Upper

106 100

91 213.8 147.8 274.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

600000

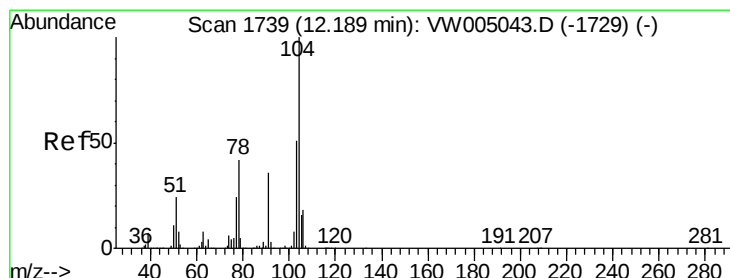
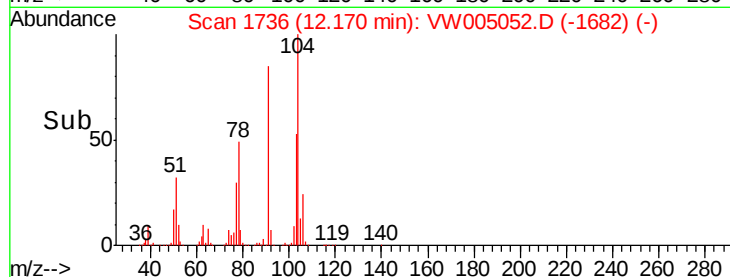
400000

200000

0

12.10 12.20

Time-->



#56

Styrene

Concen: 27.953 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW005052.D

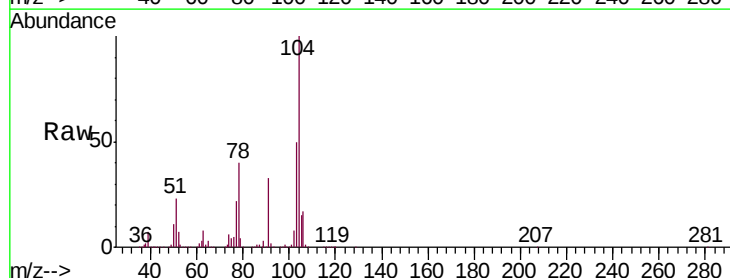
Acq: 31 Aug 2018 20:50

Tgt Ion:104 Resp: 759981

Ion Ratio Lower Upper

104 100

78 40.4 29.7 55.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

500000

400000

300000

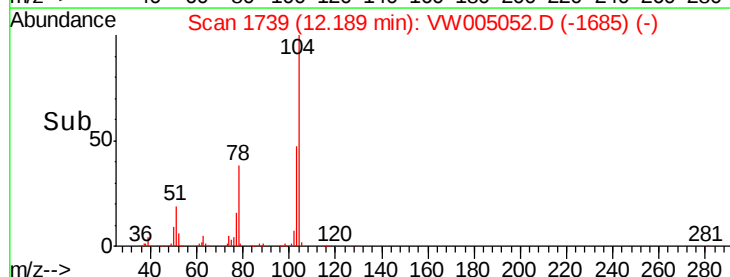
200000

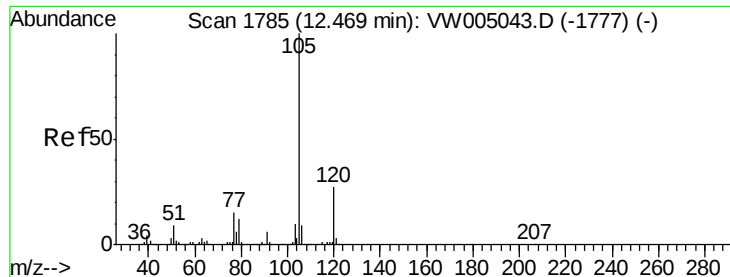
100000

0

12.10 12.20

Time-->





#57

Isopropylbenzene

Concen: 27.932 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW005052.D

Acq: 31 Aug 2018 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02593

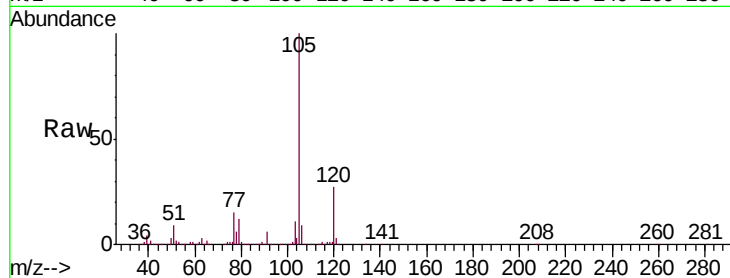
Tgt Ion:105 Resp: 1169002

Ion Ratio Lower Upper

105 100

120 26.8 21.6 32.4

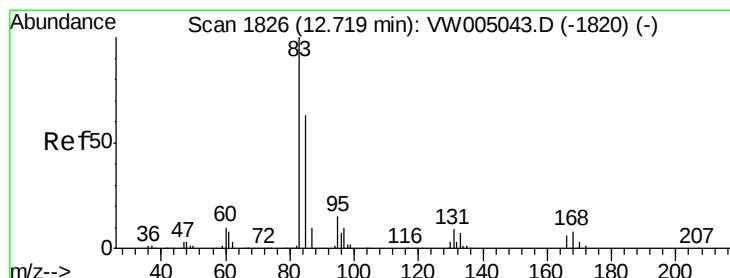
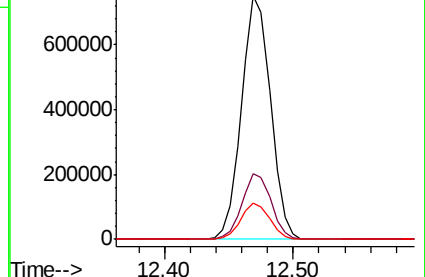
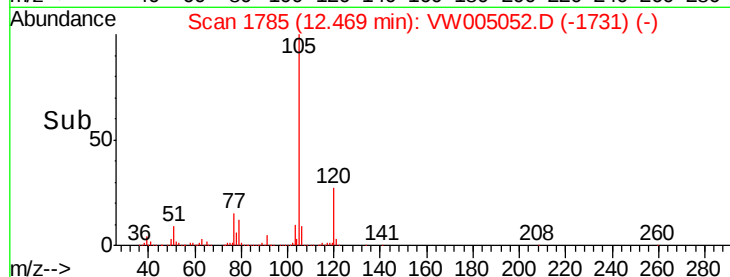
77 14.9 11.8 17.8



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: 26.498 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW005052.D

Acq: 31 Aug 2018 20:50

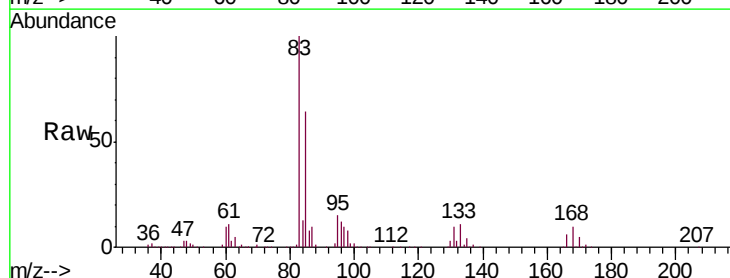
Tgt Ion: 83 Resp: 240152

Ion Ratio Lower Upper

83 100

85 64.0 44.9 83.5

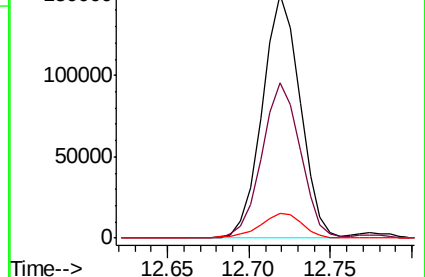
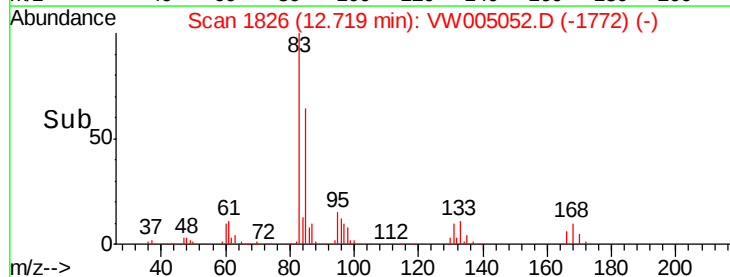
131 10.4 7.9 11.9

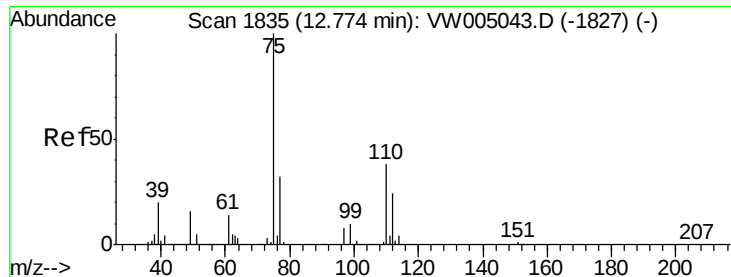


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.053 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW005052.D

Acq: 31 Aug 2018 20:50

Instrument :

MSVOA_W

ClientSampleId :

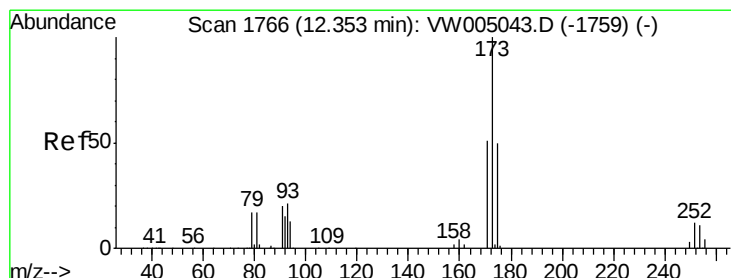
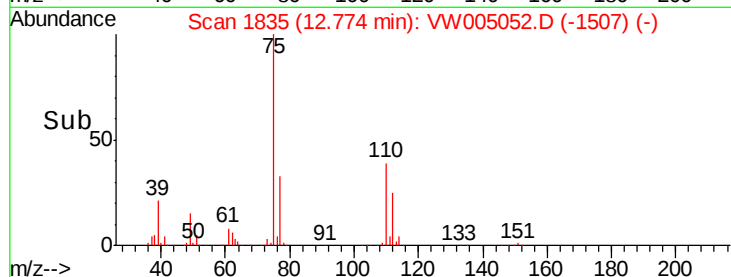
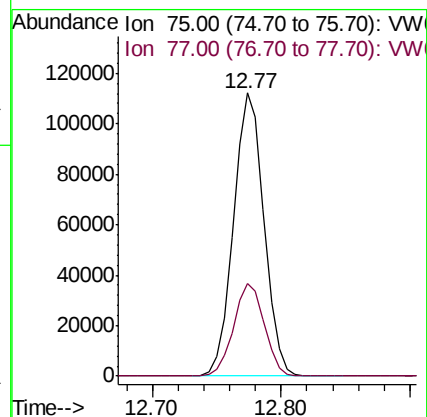
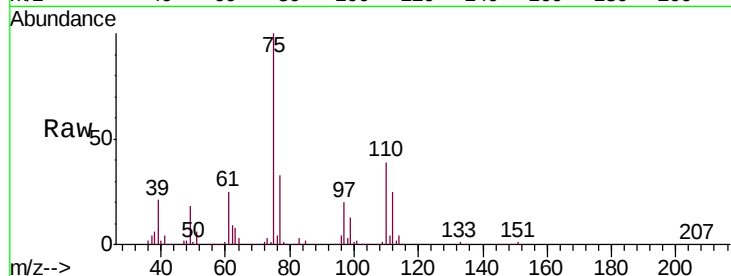
VSTD02593

Tgt Ion: 75 Resp: 184576

Ion Ratio Lower Upper

75 100

77 33.2 25.7 38.5



#62

Bromoform

Concen: 26.133 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW005052.D

Acq: 31 Aug 2018 20:50

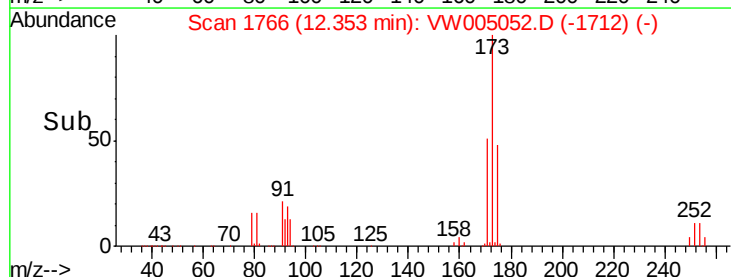
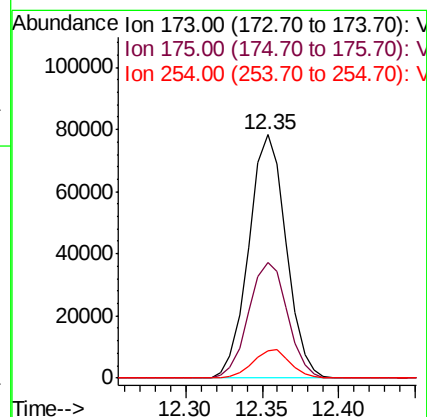
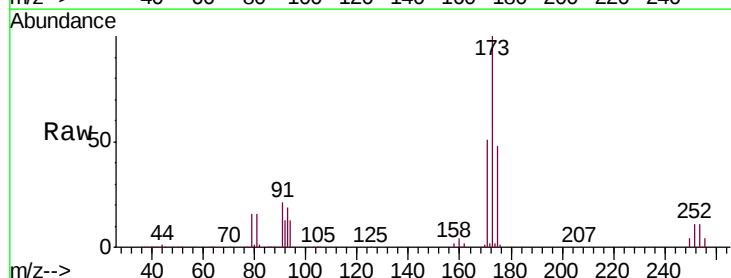
Tgt Ion: 173 Resp: 133132

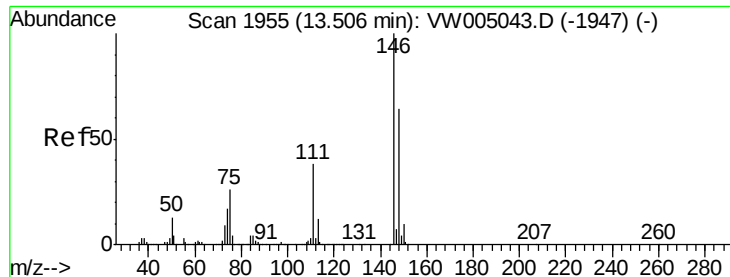
Ion Ratio Lower Upper

173 100

175 49.2 39.5 59.3

254 11.7 9.4 14.0





#63

1,3-Dichlorobenzene

Concen: 25.893 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW005052.D

Acq: 31 Aug 2018 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02593

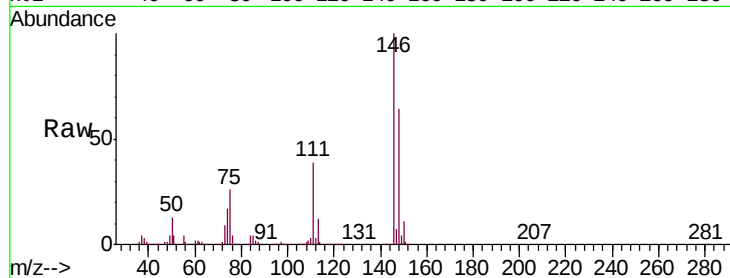
Tgt Ion:146 Resp: 537755

Ion Ratio Lower Upper

146 100

111 39.0 26.8 49.8

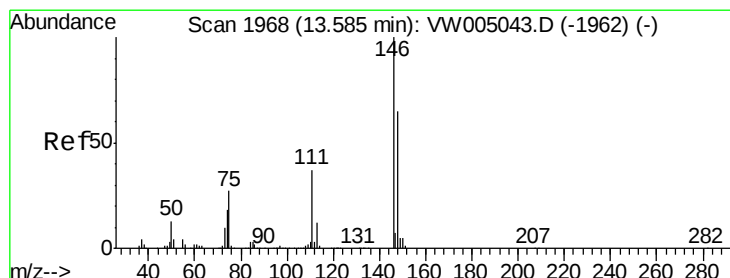
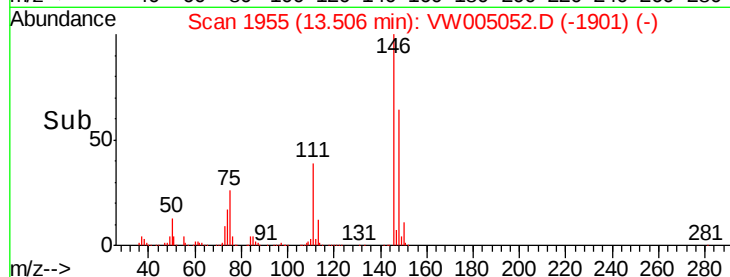
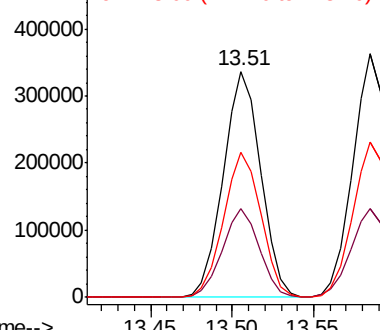
148 64.1 44.7 82.9



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: 25.728 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VW005052.D

Acq: 31 Aug 2018 20:50

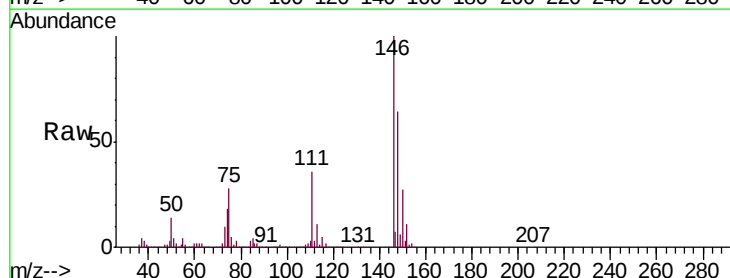
Tgt Ion:146 Resp: 566704

Ion Ratio Lower Upper

146 100

111 36.4 26.0 48.4

148 63.7 45.4 84.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

