

Data File : VW004400.D
Acq On : 02 Aug 2018 13:43
Operator : SY/AP
Sample : VSTD02591
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

Quant Time: Aug 02 14:23:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM080218S.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 02 13:58:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	1028915	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1013638	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	521175	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	301308	37.58	ug/L	0.00
7) Chloroethane-d5	2.89	69	264976	33.46	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	631704	27.29	ug/L	0.00
20) 2-Butanone-d5	7.09	46	269988	54.32	ug/L	0.00
24) Chloroform-d	7.65	84	684466	26.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	386800	27.16	ug/L	0.00
29) Benzene-d6	8.27	84	1342064	25.64	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	433318	26.72	ug/L	0.00
37) Toluene-d8	10.33	98	1226812	24.53	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	183884	23.46	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	223828	53.75	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	475642	28.08	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	483958	24.30	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	280512	29.857 ug/L	95
3) Chloromethane	2.21	50	354185	39.725 ug/L	95
5) Vinyl chloride	2.37	62	462584	42.029 ug/L	100
6) Bromomethane	2.78	94	271534	34.448 ug/L	97
8) Chloroethane	2.93	64	287780	37.184 ug/L	97
9) Trichlorofluoromethane	3.25	101	216119	23.421 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	372818	27.407 ug/L	92
12) 1,1-Dichloroethene	4.04	96	357584	27.993 ug/L	91
13) Acetone	4.14	43	234995	54.036 ug/L	99
14) Carbon disulfide	4.38	76	1102815	29.188 ug/L	99
15) Methyl Acetate	4.68	43	242369	27.952 ug/L	95
16) Methylene chloride	4.92	84	428935	26.376 ug/L	93
17) Methyl tert-butyl Ether	5.43	73	500626	24.952 ug/L	96
18) trans-1,2-Dichloroethene	5.42	96	371717	26.810 ug/L	96
19) 1,1-Dichloroethane	6.21	63	703165	29.172 ug/L	98
21) 2-Butanone	7.18	43	333375	56.247 ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	412687	27.006 ug/L	94
23) Bromochloromethane	7.51	128	194903	27.155 ug/L	# 78
25) Chloroform	7.68	83	715991	28.233 ug/L	99
27) 1,2-Dichloroethane	8.40	62	485428	28.338 ug/L	99
30) Cyclohexane	7.96	56	637347	26.625 ug/L	92
31) 1,1,1-Trichloroethane	7.87	97	539713	24.299 ug/L	96
32) Carbon tetrachloride	8.07	117	522482	24.152 ug/L	99
34) Benzene	8.32	78	1609040	27.383 ug/L	100
35) Trichloroethene	9.09	95	396881	25.232 ug/L	95
36) Methylcyclohexane	9.34	83	723657	25.792 ug/L	95
40) 1,2-Dichloropropane	9.37	63	422971	28.696 ug/L	98
41) Bromodichloromethane	9.65	83	506085	26.537 ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	592211	25.614 ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	631886	52.952 ug/L	97

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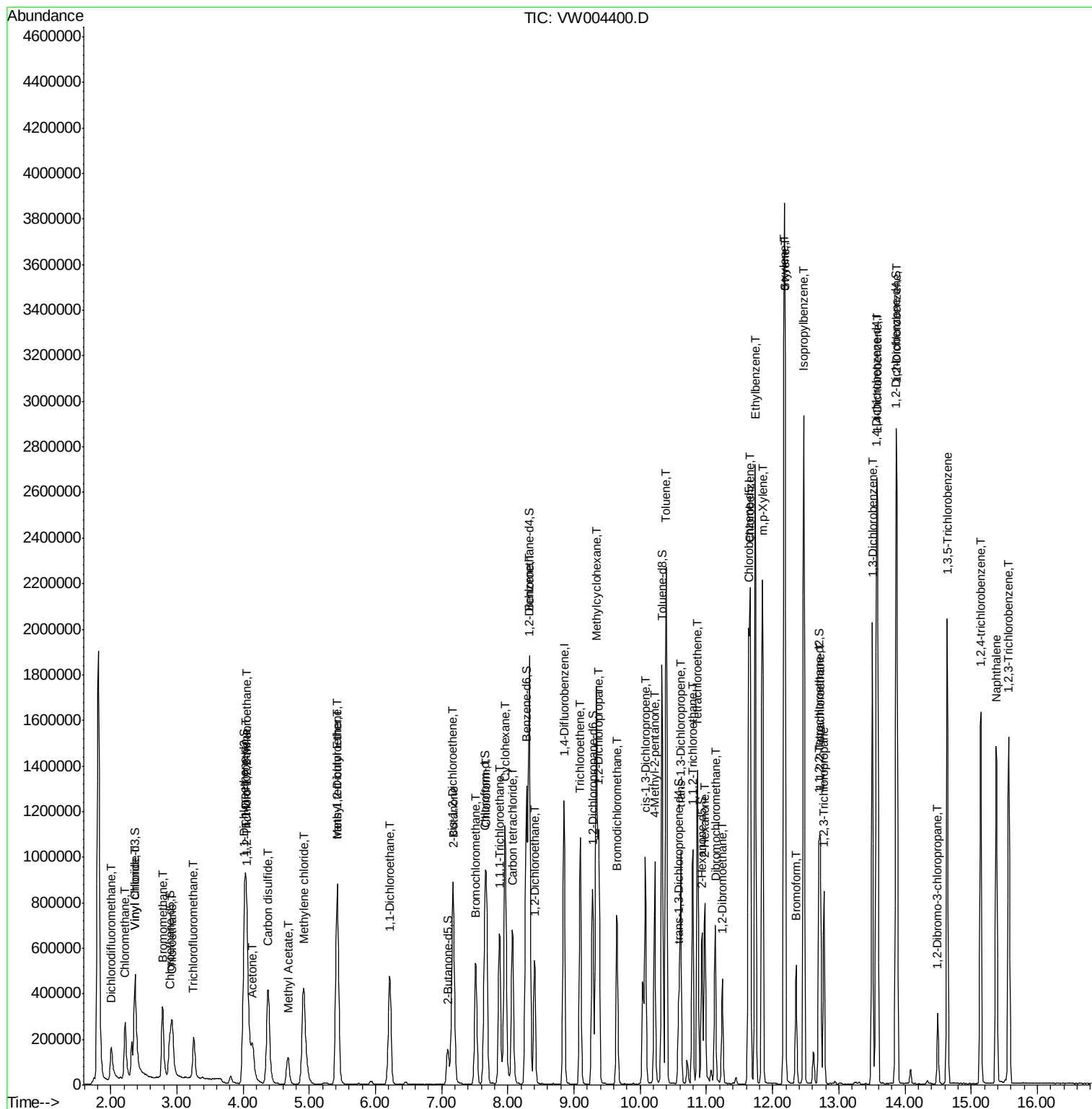
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1679508	26.579	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	538517	25.943	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	328094	26.992	ug/L	97
47) Tetrachloroethene	10.87	164	317847	23.533	ug/L	98
49) 2-Hexanone	10.98	43	486416	54.845	ug/L	98
50) Dibromochloromethane	11.13	129	368013	24.852	ug/L	98
51) 1,2-Dibromoethane	11.24	107	315143	26.159	ug/L #	97
52) Chlorobenzene	11.66	112	1094297	26.017	ug/L	96
53) Ethylbenzene	11.74	91	1881609	26.322	ug/L	98
54) m,p-Xylene	11.85	106	713148	26.373	ug/L	96
55) o-xylene	12.17	106	680995	26.664	ug/L	92
56) Styrene	12.19	104	1211075	27.394	ug/L	98
57) Isopropylbenzene	12.47	105	1851731	25.860	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	470678	28.204	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	353326	27.499	ug/L	97
62) Bromoform	12.35	173	242210	24.913	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	830137	24.694	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	890739	25.754	ug/L	95
65) 1,2-Dichlorobenzene	13.88	146	835493	26.290	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	80404	25.676	ug/L	90
67) 1,3,5-Trichlorobenzene	14.64	180	657217	24.659	ug/L	97
68) 1,2,4-trichlorobenzene	15.15	180	536097	23.685	ug/L	98
69) Naphthalene	15.38	128	1268190	24.792	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	533339	25.465	ug/L	99

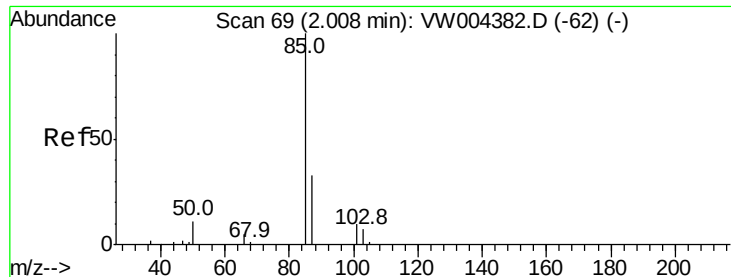
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 29.857 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

Instrument :

MSVOA_W

ClientSampleId :

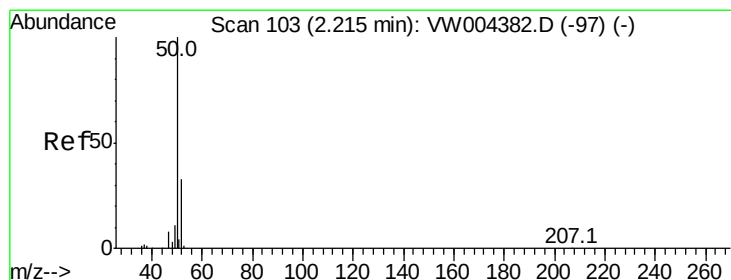
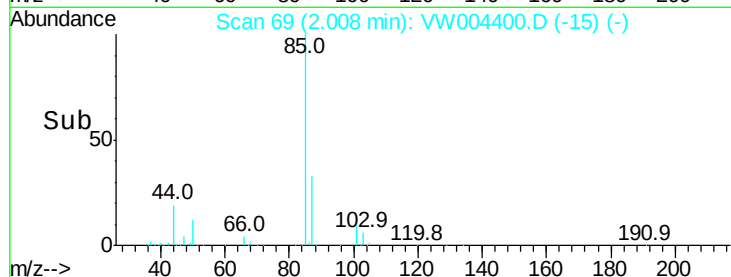
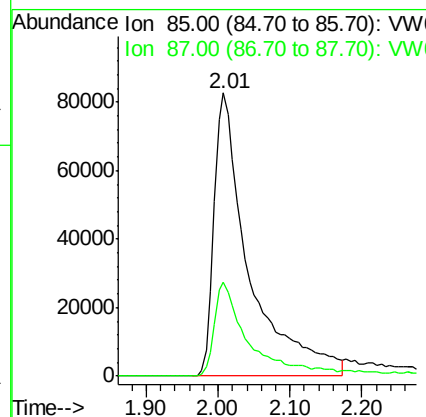
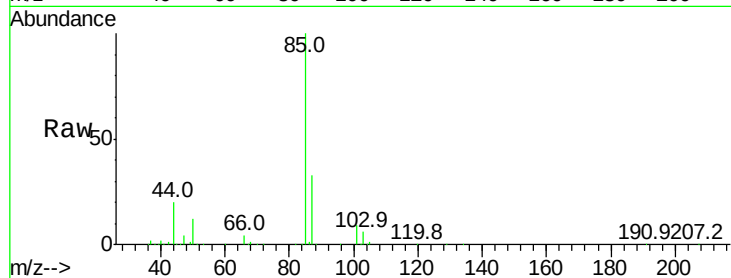
VSTD02591

Tgt Ion: 85 Resp: 280512

Ion Ratio Lower Upper

85 100

87 28.8 22.1 41.1



#3

Chloromethane

Concen: 39.725 ug/L

RT: 2.21 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004400.D

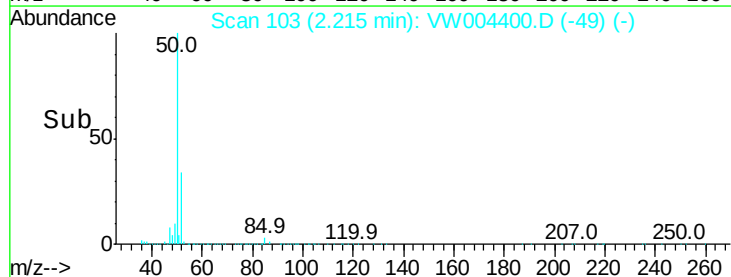
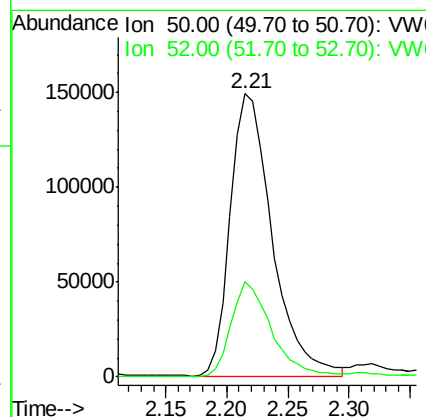
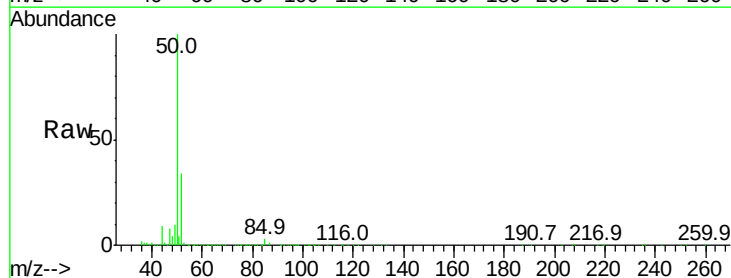
Acq: 02 Aug 2018 13:43

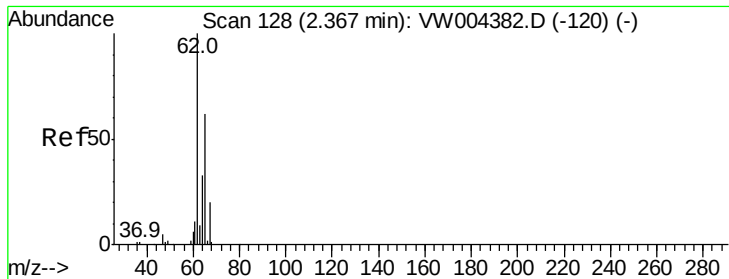
Tgt Ion: 50 Resp: 354185

Ion Ratio Lower Upper

50 100

52 33.5 21.6 40.0





#5

Vinyl chloride

Concen: 42.029 ug/L

RT: 2.37 min Scan# 128

Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

Instrument :

MSVOA_W

ClientSampleId :

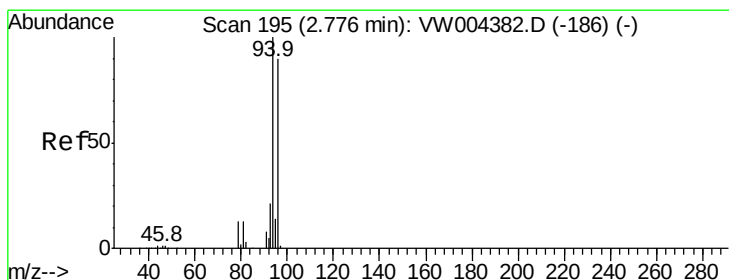
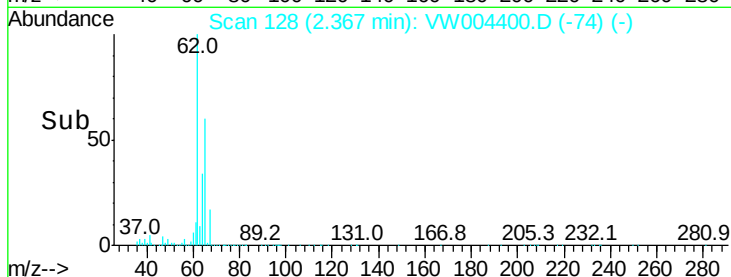
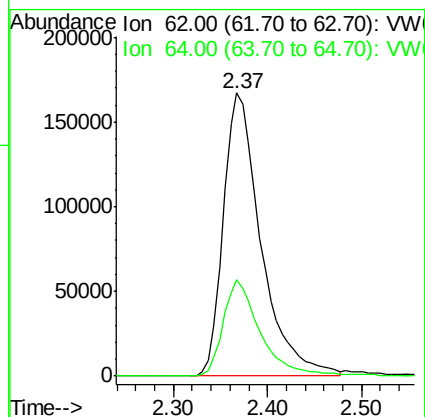
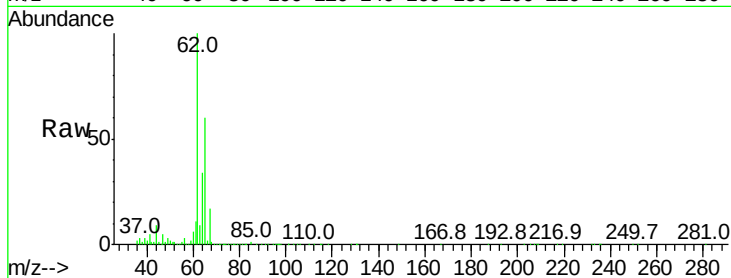
VSTD02591

Tgt Ion: 62 Resp: 462584

Ion Ratio Lower Upper

62 100

64 34.3 23.9 44.5



#6

Bromomethane

Concen: 34.448 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW004400.D

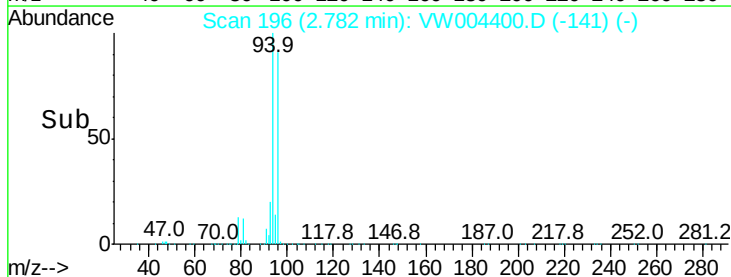
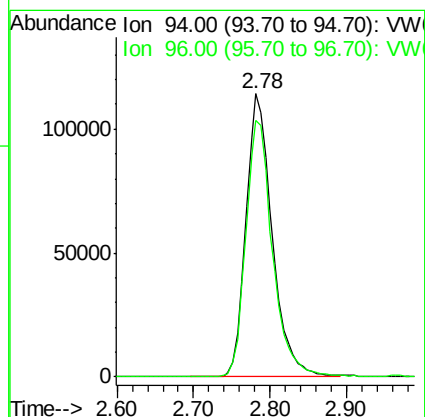
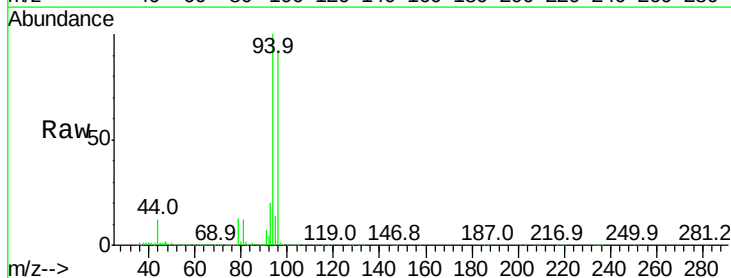
Acq: 02 Aug 2018 13:43

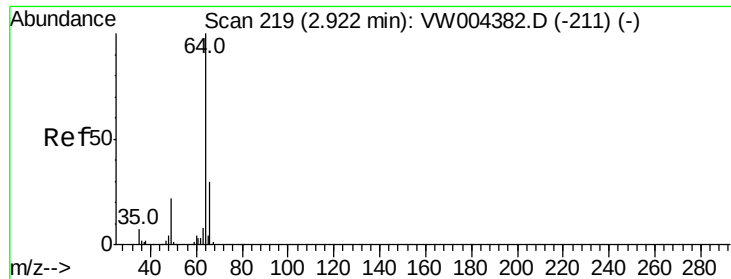
Tgt Ion: 94 Resp: 271534

Ion Ratio Lower Upper

94 100

96 92.2 9.5 181.1

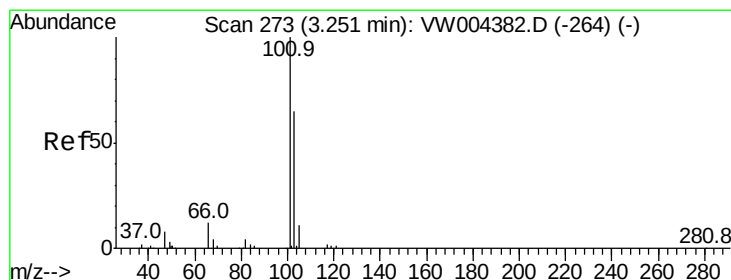
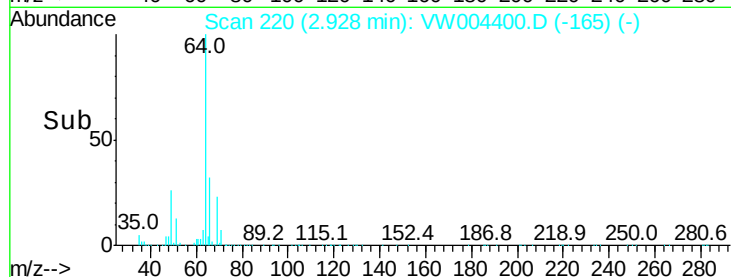
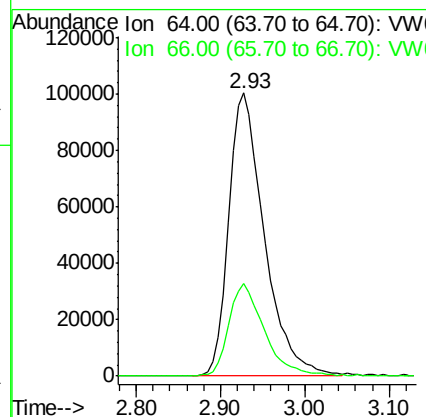
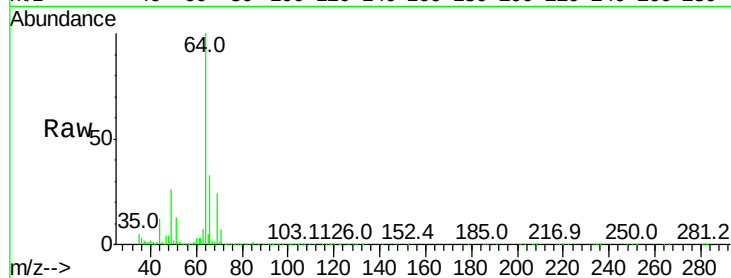




#8
Chloroethane
Concen: 37.184 ug/L
RT: 2.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VW004400.D
Acq: 02 Aug 2018 13:43

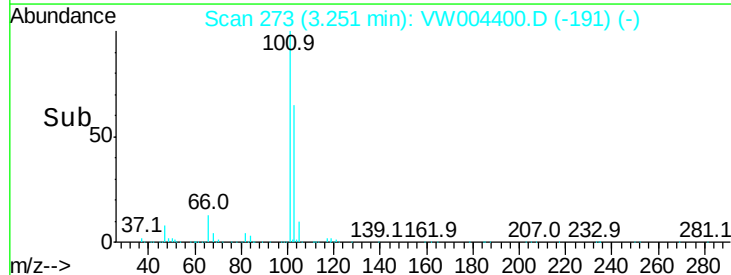
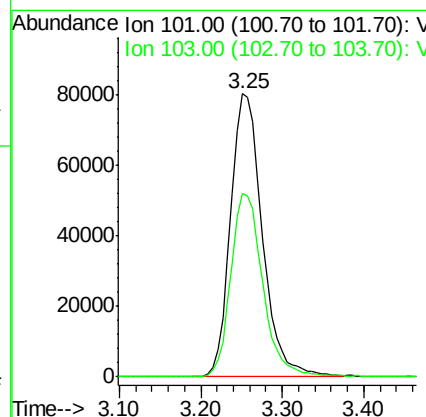
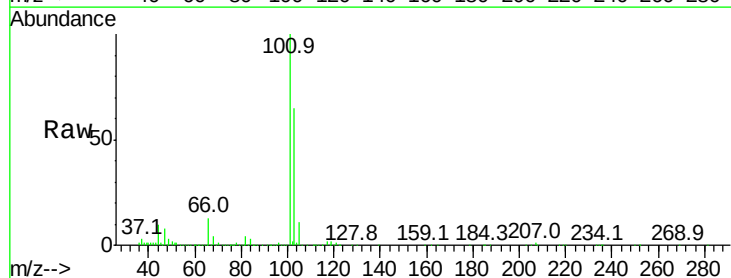
Instrument :
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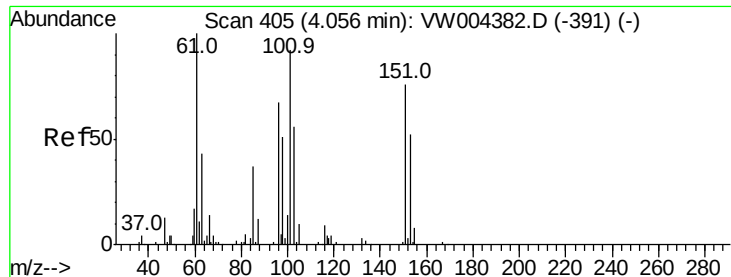
Tgt Ion: 64 Resp: 287780
Ion Ratio Lower Upper
64 100
66 32.6 21.5 39.9



#9
Trichlorofluoromethane
Concen: 23.421 ug/L
RT: 3.25 min Scan# 273
Delta R.T. -0.00 min
Lab File: VW004400.D
Acq: 02 Aug 2018 13:43

Tgt Ion: 101 Resp: 216119
Ion Ratio Lower Upper
101 100
103 64.7 45.3 84.1





#11

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

Concen: 27.407 ug/L

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

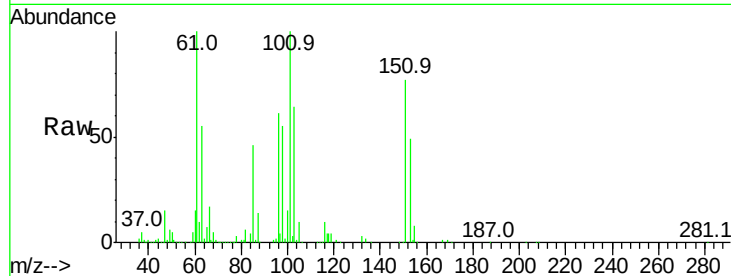
Tgt Ion: 101 Resp: 372818

Ion Ratio Lower Upper

101 100

85 44.5 32.4 48.6

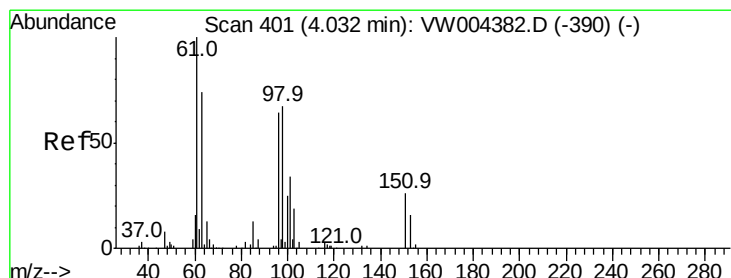
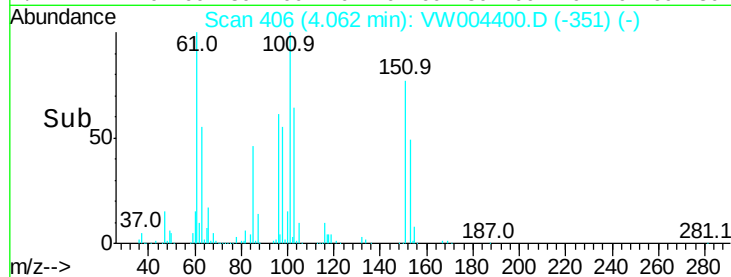
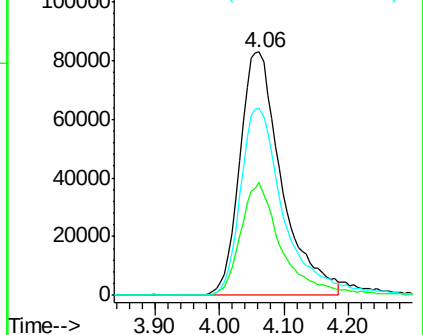
151 78.3 69.2 103.8



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: 27.993 ug/L

RT: 4.04 min Scan# 402

Delta R.T. 0.01 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

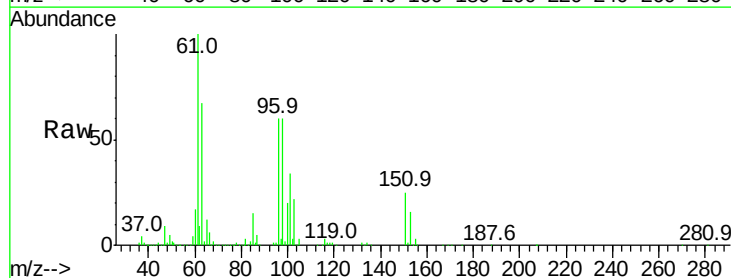
Tgt Ion: 96 Resp: 357584

Ion Ratio Lower Upper

96 100

61 165.6 115.4 214.4

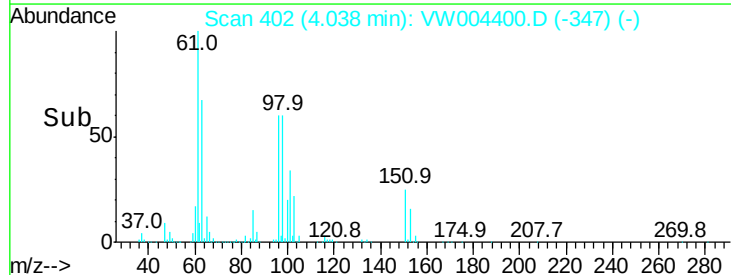
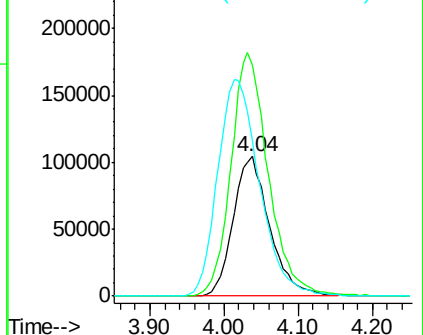
63 111.5 94.4 175.2

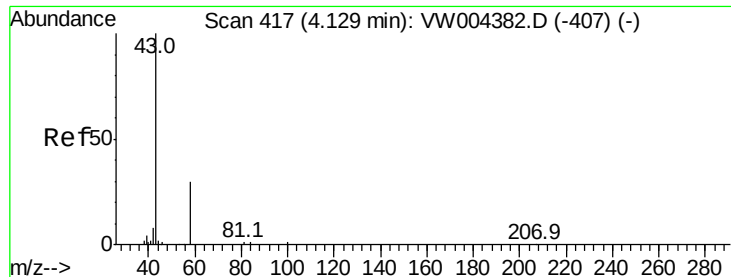


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 54.036 ug/L

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

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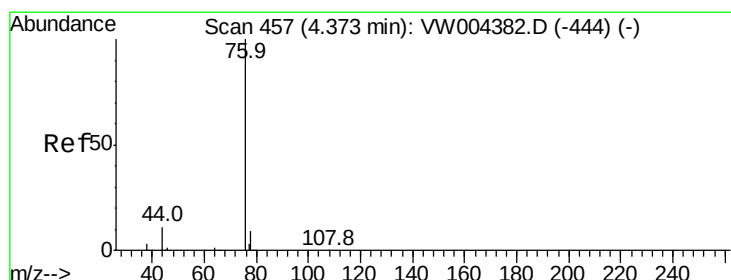
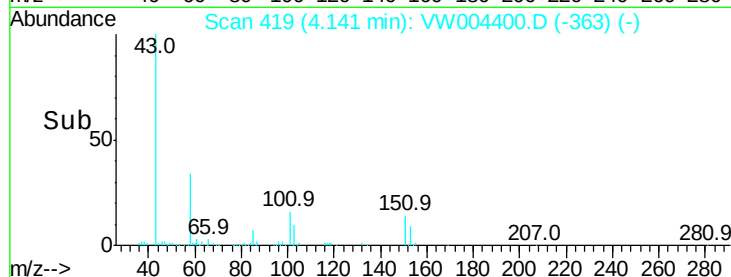
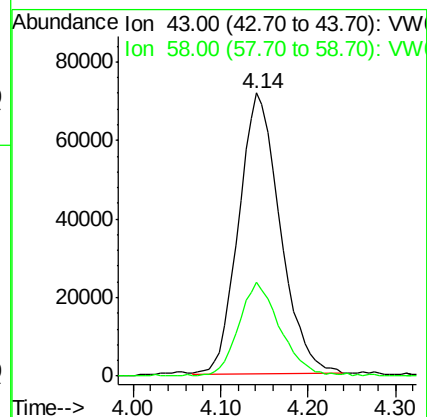
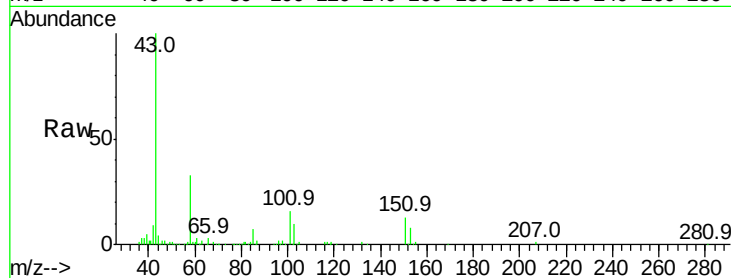
VSTD02591

Tgt Ion: 43 Resp: 234995

Ion Ratio Lower Upper

43 100

58 33.2 0.0 64.8



#14

Carbon disulfide

Concen: 29.188 ug/L

RT: 4.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW004400.D

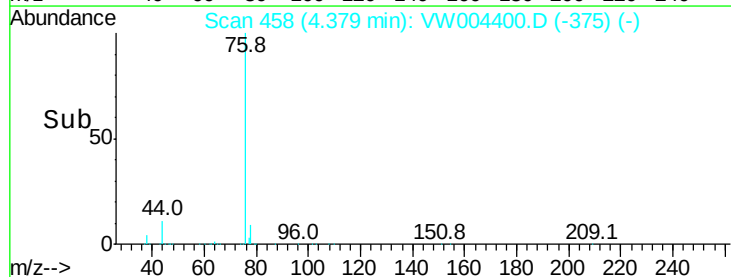
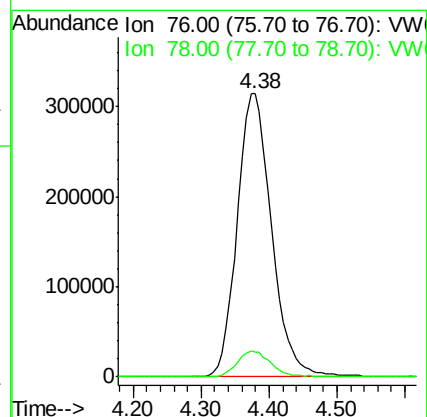
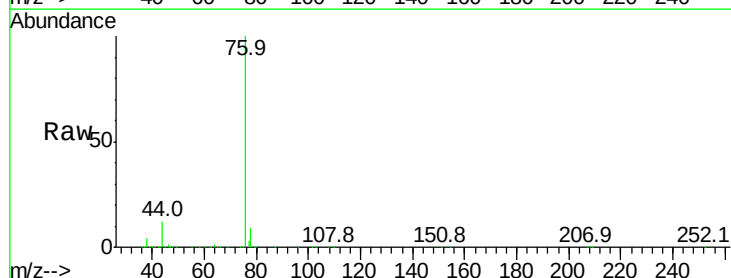
Acq: 02 Aug 2018 13:43

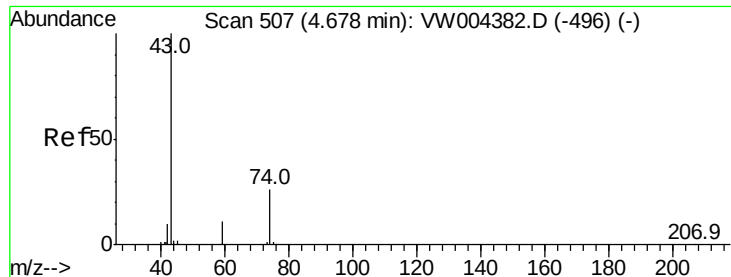
Tgt Ion: 76 Resp: 1102815

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3





#15

Methyl Acetate

Concen: 27.952 ug/L

RT: 4.68 min Scan# 507

Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

Instrument :

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ClientSampleId :

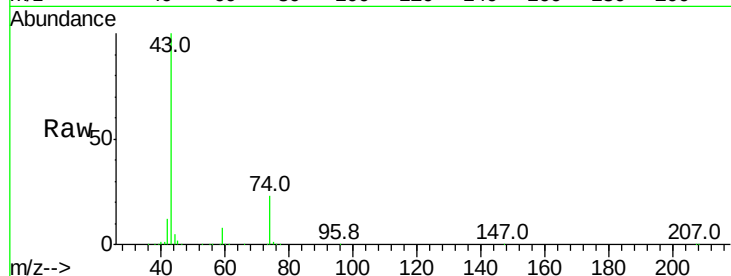
VSTD02591

Tgt Ion: 43 Resp: 242369

Ion Ratio Lower Upper

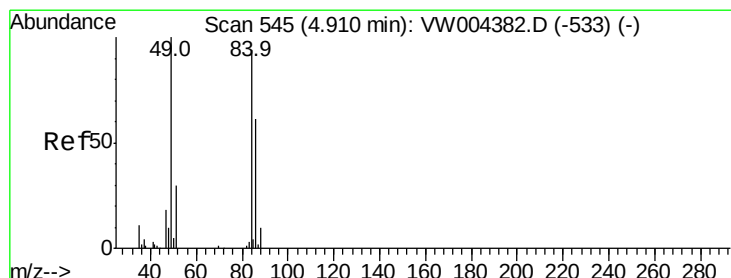
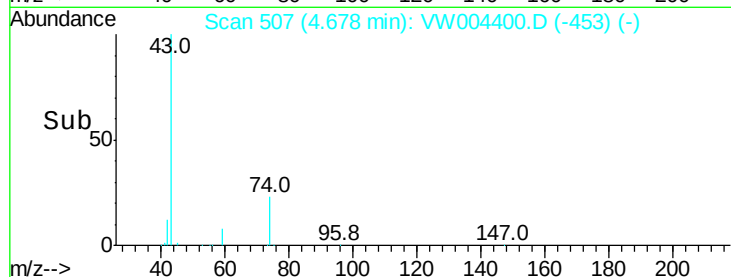
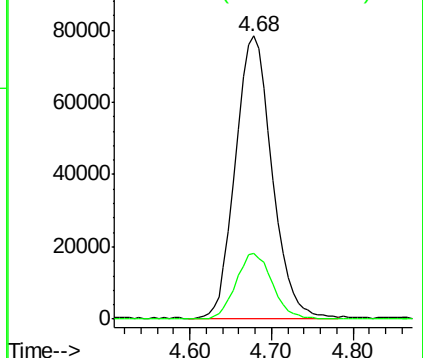
43 100

74 23.3 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 26.376 ug/L

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

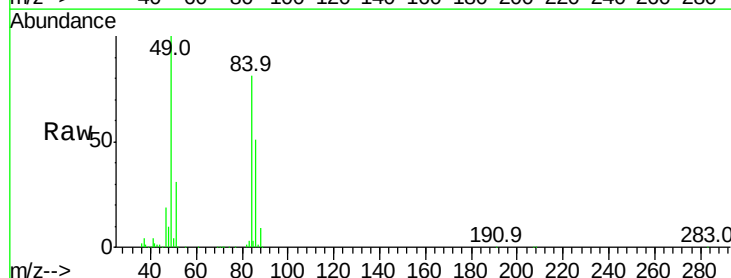
Tgt Ion: 84 Resp: 428935

Ion Ratio Lower Upper

84 100

49 122.8 79.5 147.7

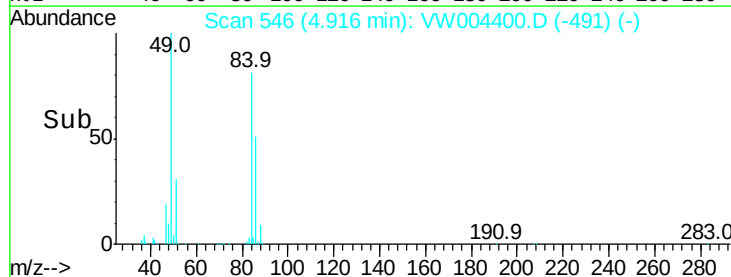
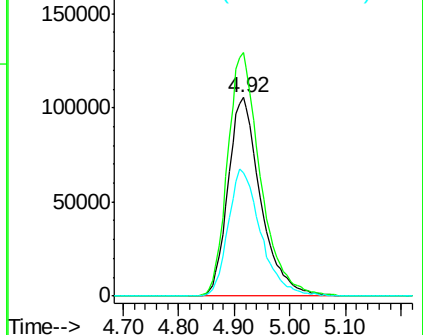
86 62.2 45.8 85.2

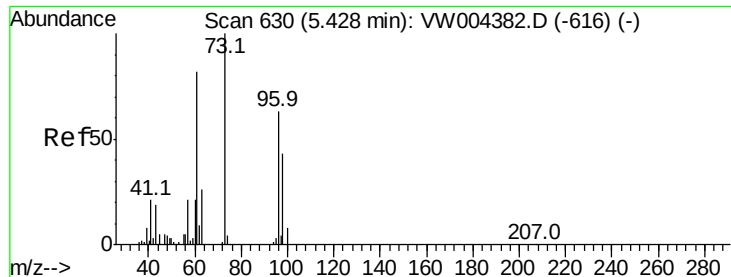


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

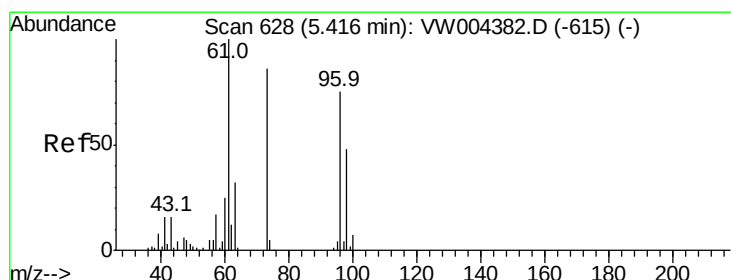
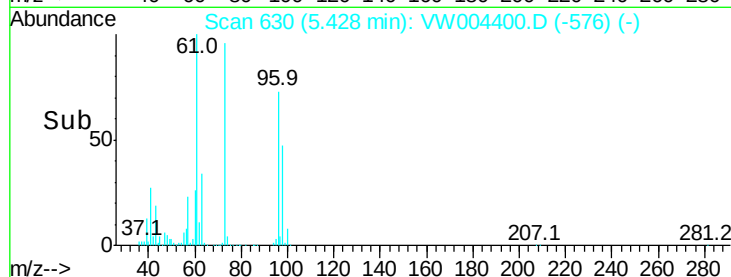
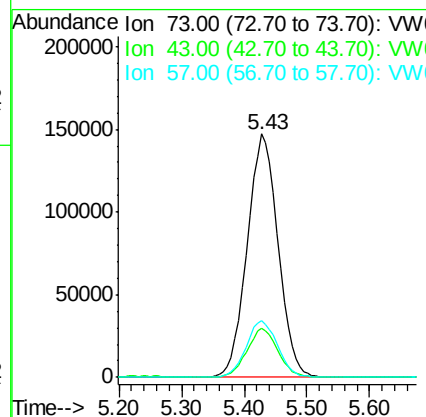
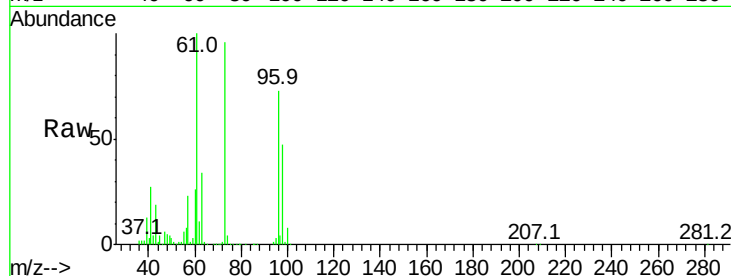




#17
Methyl tert-butyl Ether
Concen: 24.952 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004400.D
Acq: 02 Aug 2018 13:43

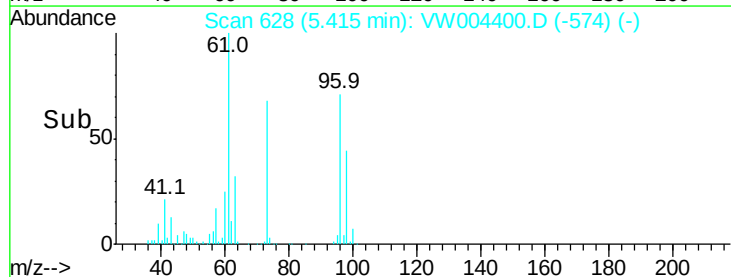
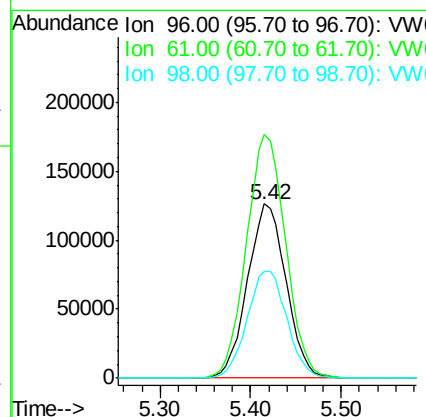
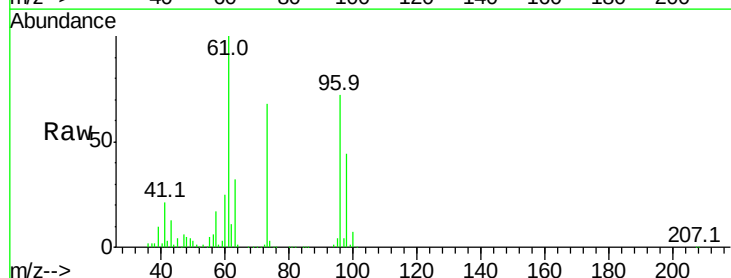
Instrument :
MSVOA_W
ClientSampled :
VSTD02591

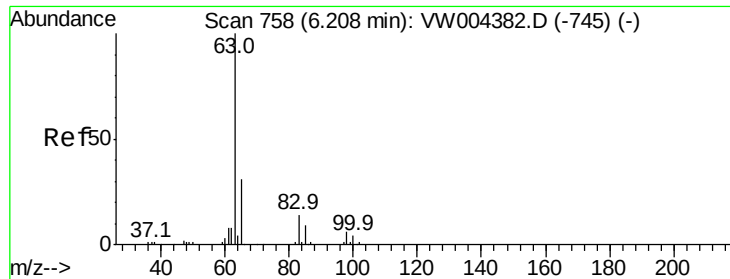
Tgt Ion: 73 Resp: 500626
Ion Ratio Lower Upper
73 100
43 20.2 15.1 22.7
57 23.6 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 26.810 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.00 min
Lab File: VW004400.D
Acq: 02 Aug 2018 13:43

Tgt Ion: 96 Resp: 371717
Ion Ratio Lower Upper
96 100
61 139.8 93.7 174.1
98 61.4 41.9 77.7

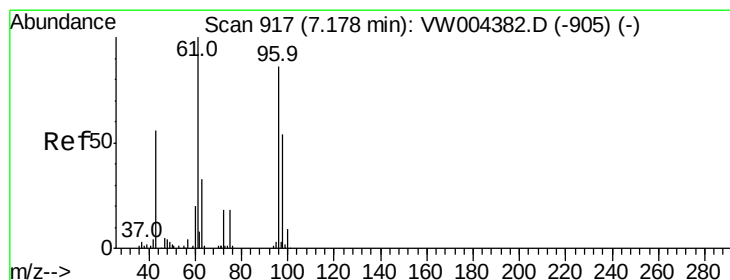
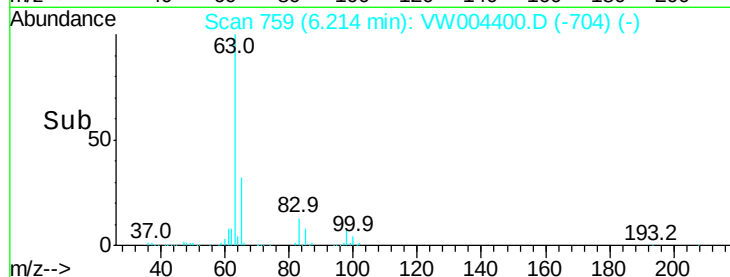
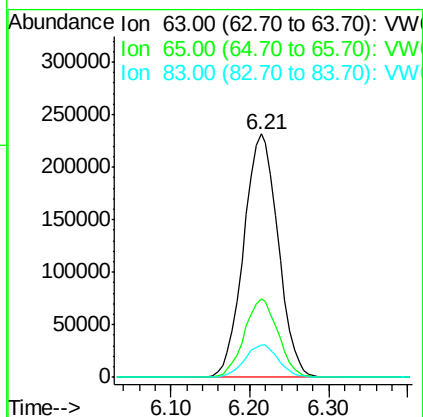
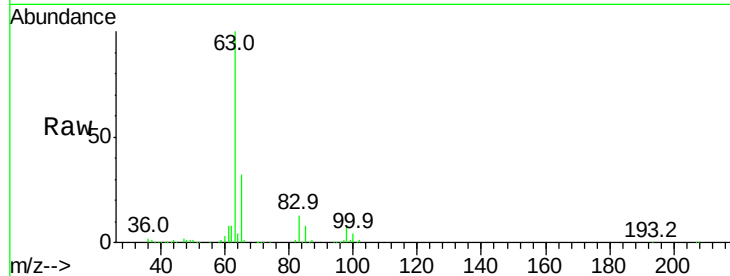




#19
 1,1-Dichloroethane
 Concen: 29.172 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: VW004400.D
 Acq: 02 Aug 2018 13:43

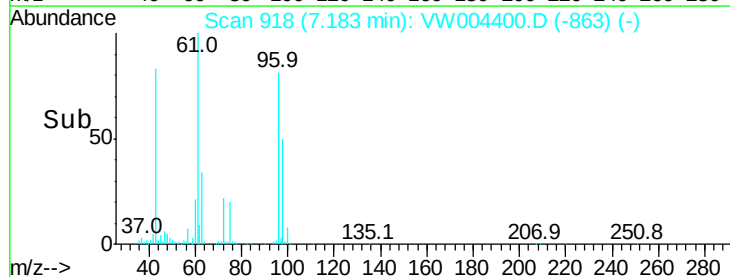
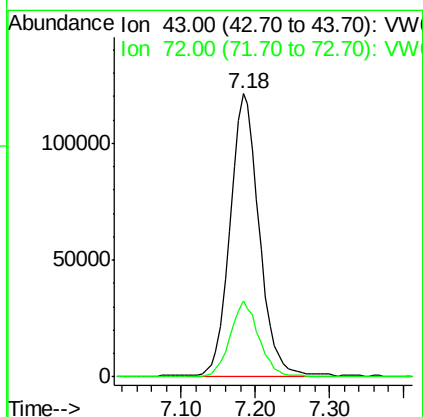
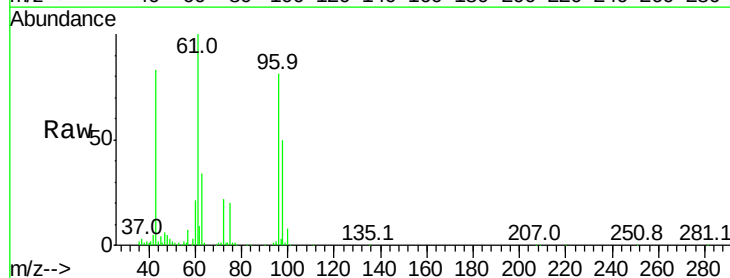
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

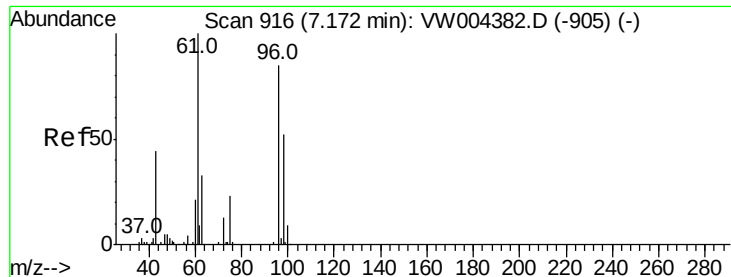
Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.1	23.0	42.8
83	13.3	10.3	19.1



#21
 2-Butanone
 Concen: 56.247 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. 0.01 min
 Lab File: VW004400.D
 Acq: 02 Aug 2018 13:43

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.4	14.4	43.2



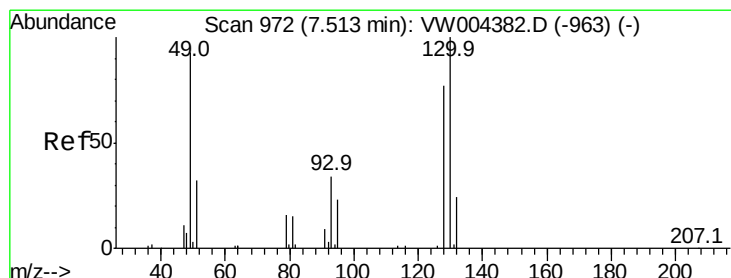
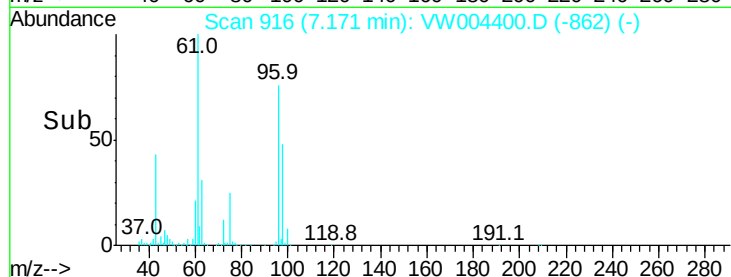
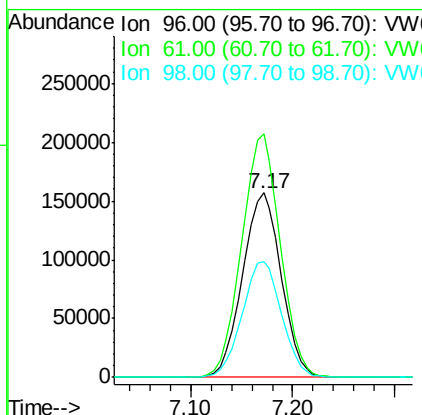
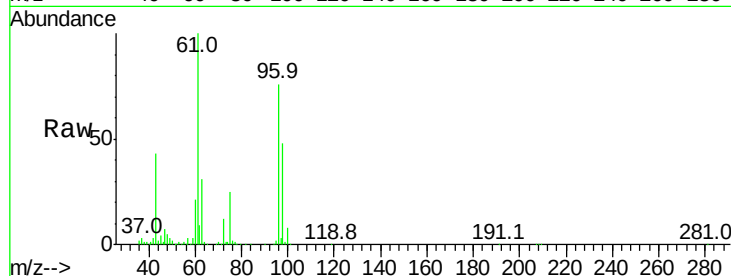


#22

cis-1,2-Dichloroethene
 Concen: 27.006 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VW004400.D
 Acq: 02 Aug 2018 13:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

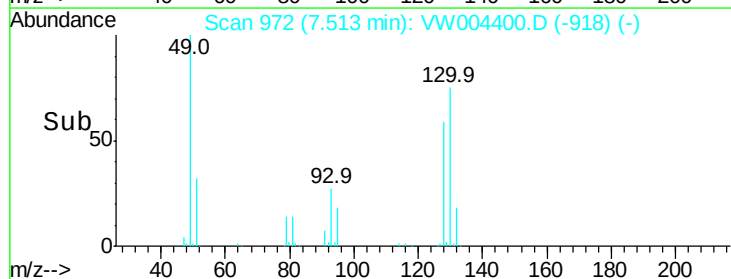
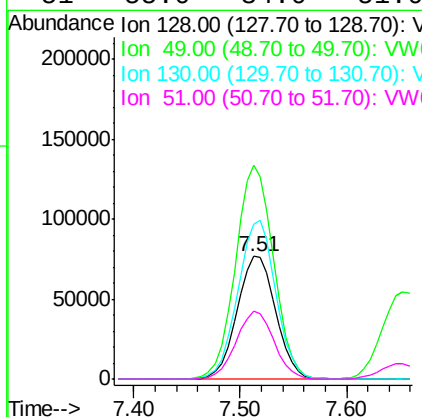
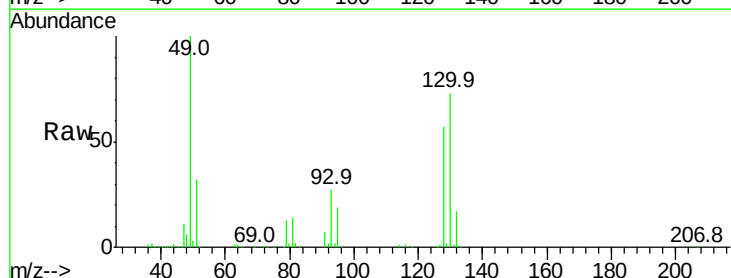
Tgt Ion: 96 Resp: 412687
 Ion Ratio Lower Upper
 96 100
 61 132.1 85.7 159.1
 98 63.0 43.8 81.3

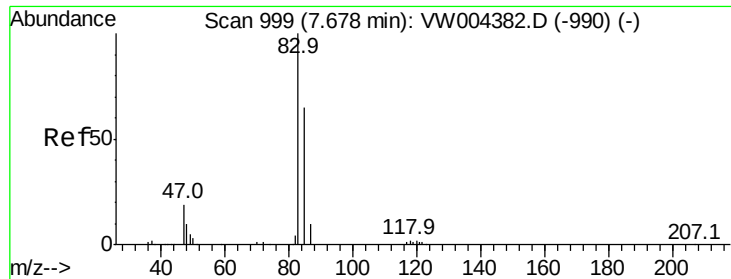


#23

Bromochloromethane
 Concen: 27.155 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VW004400.D
 Acq: 02 Aug 2018 13:43

Tgt Ion: 128 Resp: 194903
 Ion Ratio Lower Upper
 128 100
 49 174.3 90.9 168.7#
 130 126.8 93.8 174.2
 51 55.0 34.0 51.0#





#25

Chloroform

Concen: 28.233 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

Instrument :

MSVOA_W

ClientSampleId :

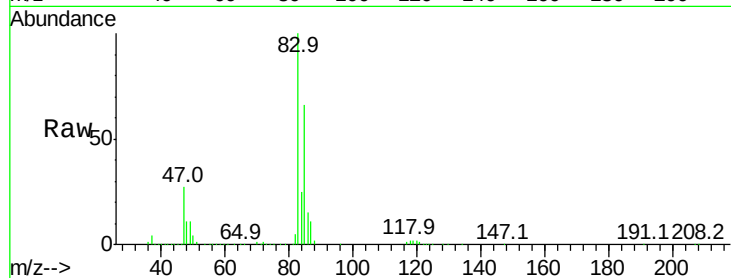
VSTD02591

Tgt Ion: 83 Resp: 715991

Ion Ratio Lower Upper

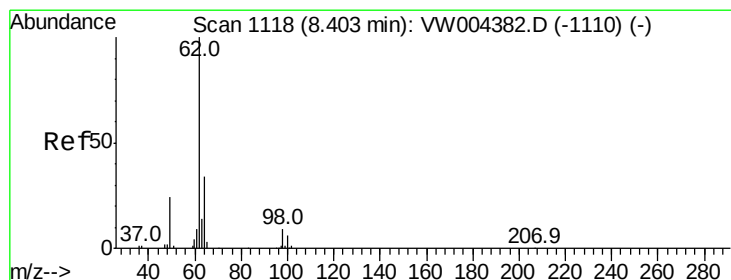
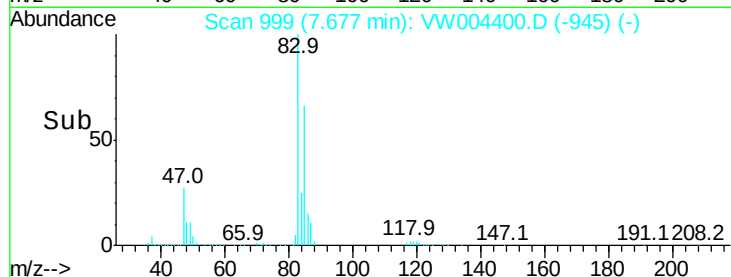
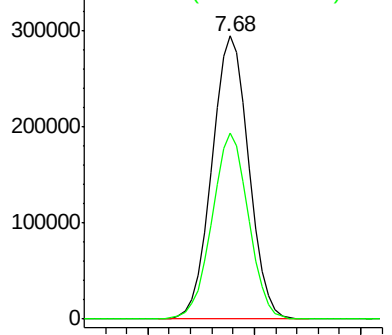
83 100

85 65.3 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 28.338 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW004400.D

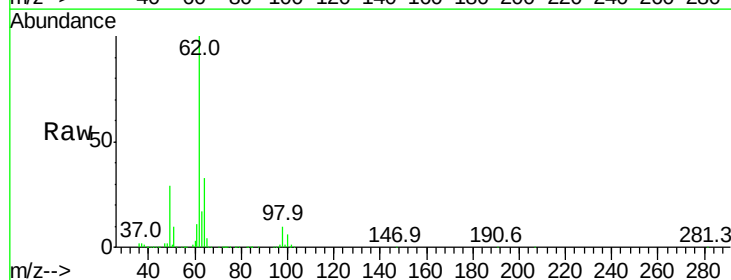
Acq: 02 Aug 2018 13:43

Tgt Ion: 62 Resp: 485428

Ion Ratio Lower Upper

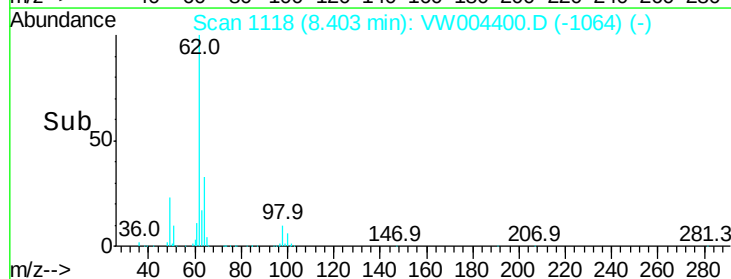
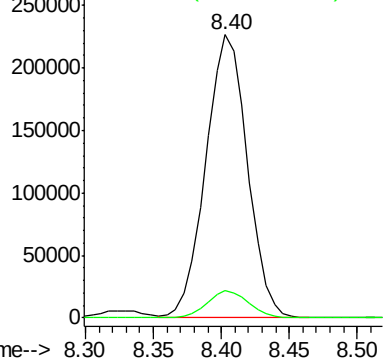
62 100

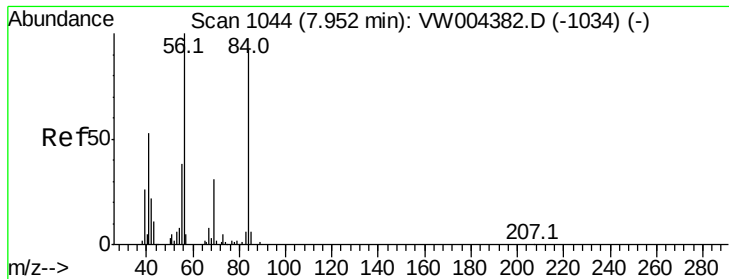
98 9.5 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

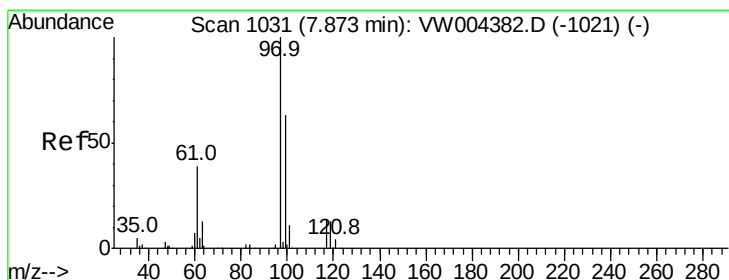
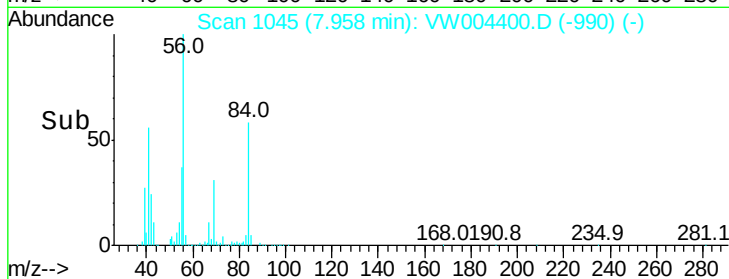
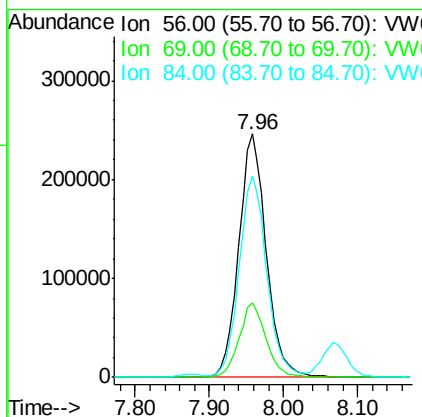
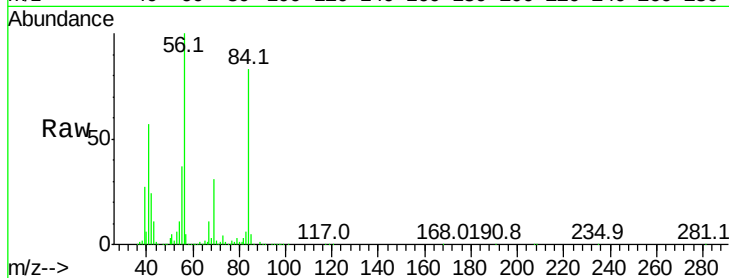




#30
Cyclohexane
Concen: 26.625 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VW004400.D
Acq: 02 Aug 2018 13:43

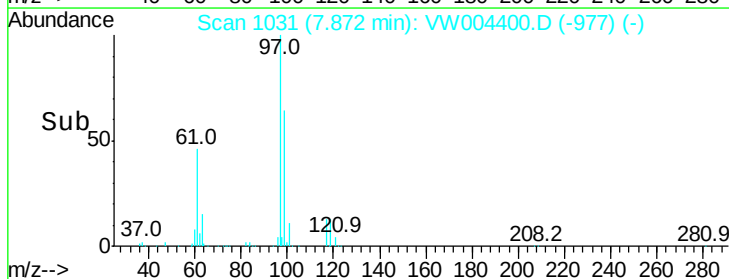
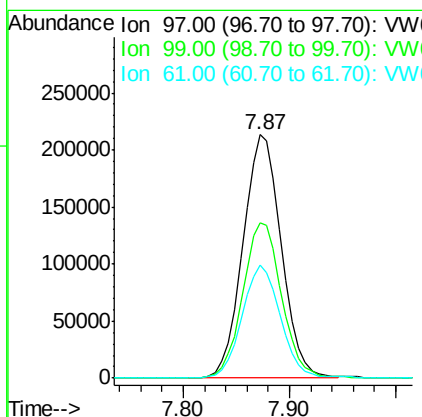
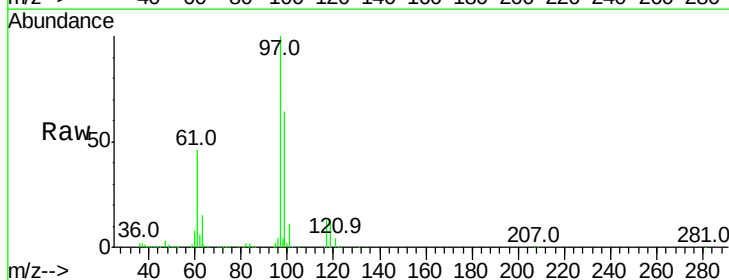
Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

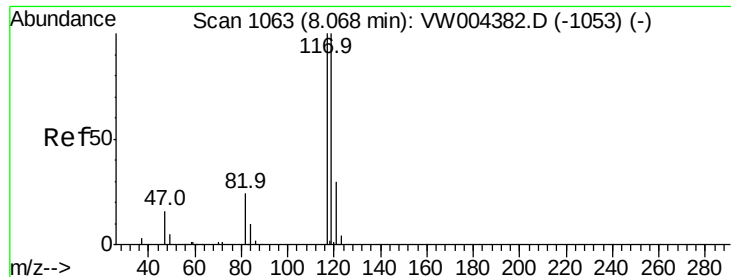
Tgt Ion: 56 Resp: 637347
Ion Ratio Lower Upper
56 100
69 30.0 25.7 38.5
84 83.4 73.8 110.6



#31
1,1,1-Trichloroethane
Concen: 24.299 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004400.D
Acq: 02 Aug 2018 13:43

Tgt Ion: 97 Resp: 539713
Ion Ratio Lower Upper
97 100
99 64.7 51.4 77.0
61 46.6 32.2 48.2





#32

Carbon tetrachloride

Concen: 24.152 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

Instrument :

MSVOA_W

ClientSampleId :

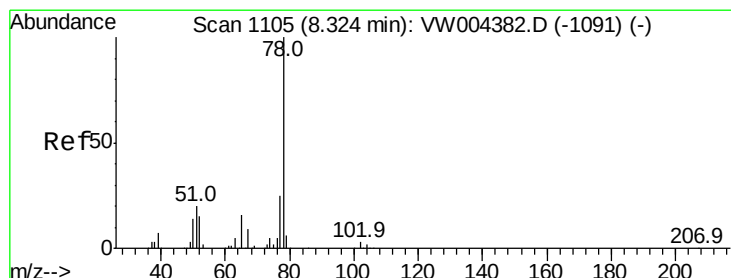
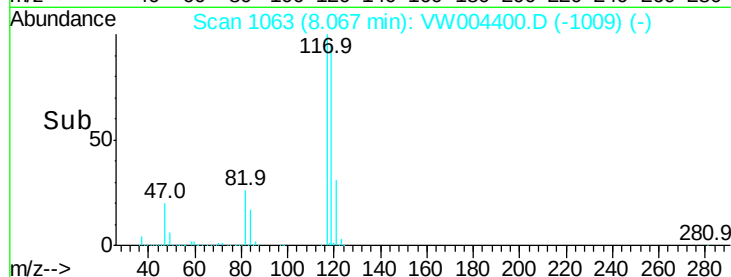
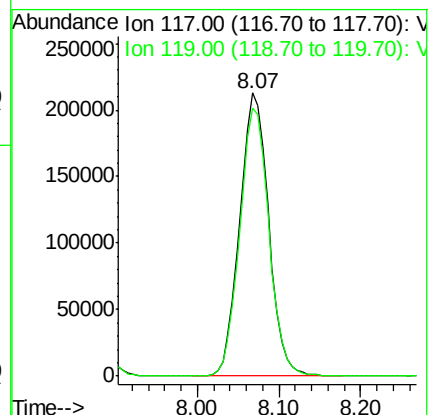
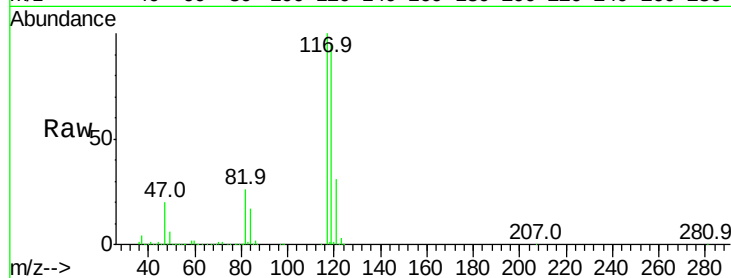
VSTD02591

Tgt Ion:117 Resp: 522482

Ion Ratio Lower Upper

117 100

119 95.6 77.0 115.6



#34

Benzene

Concen: 27.383 ug/L

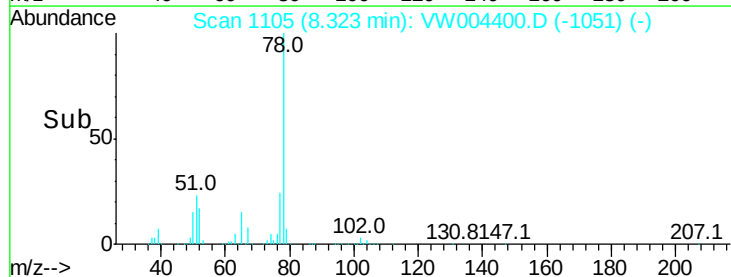
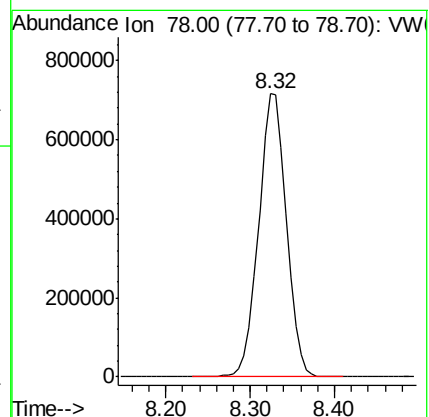
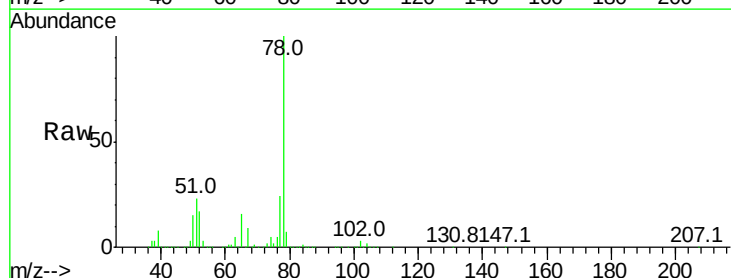
RT: 8.32 min Scan# 1105

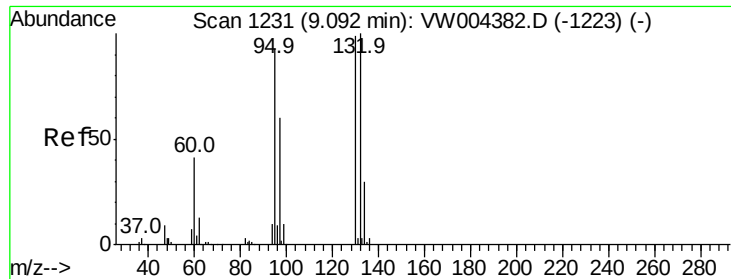
Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

Tgt Ion: 78 Resp: 1609040





#35

Trichloroethene

Concen: 25.232 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

Instrument :

MSVOA_W

ClientSampled :

VSTD02591

Tgt Ion: 95 Resp: 396881

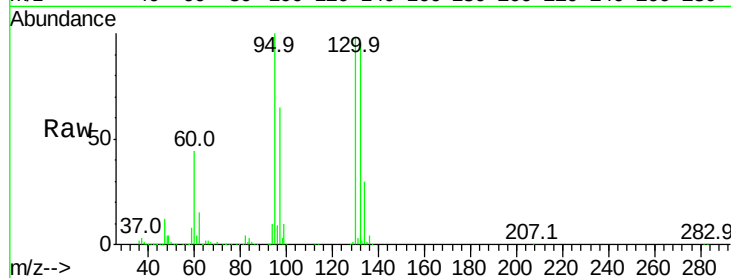
Ion Ratio Lower Upper

95 100

97 64.2 45.6 84.6

132 96.6 71.2 132.2

130 98.7 73.9 137.3

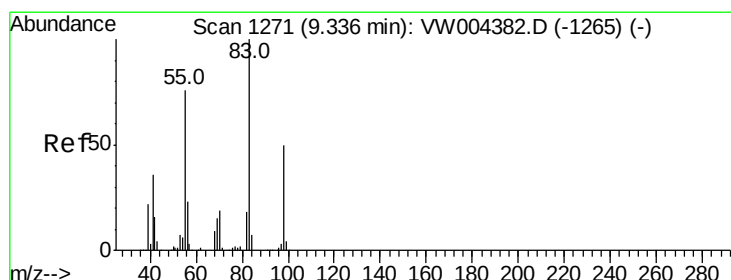
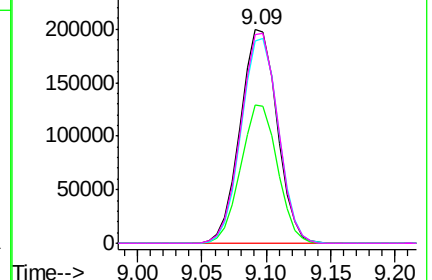
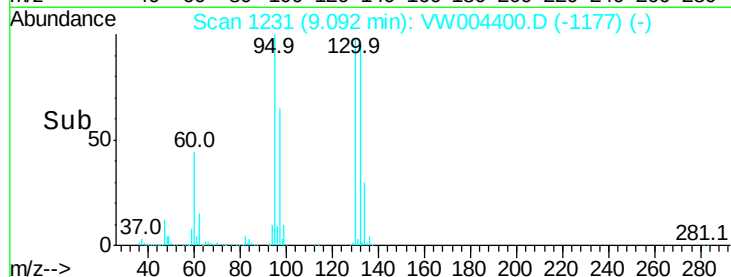


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 25.792 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

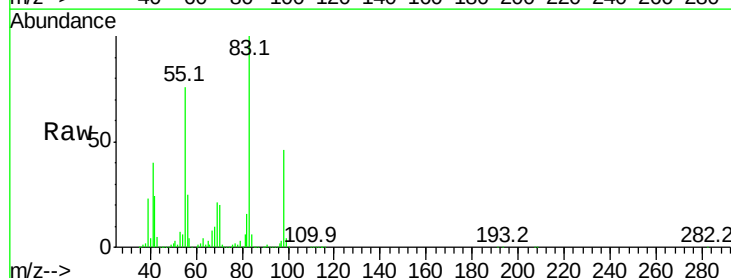
Tgt Ion: 83 Resp: 723657

Ion Ratio Lower Upper

83 100

55 78.5 58.2 87.2

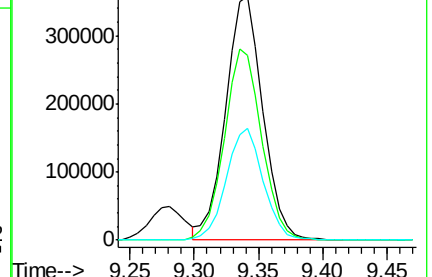
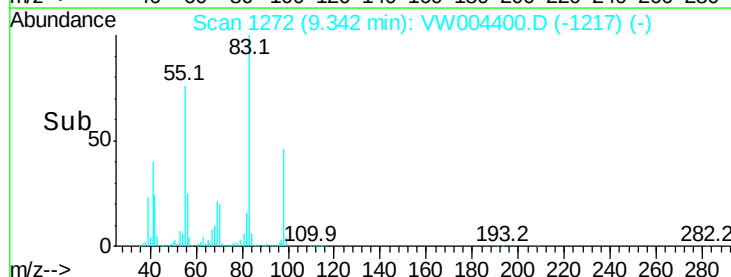
98 45.7 37.7 56.5

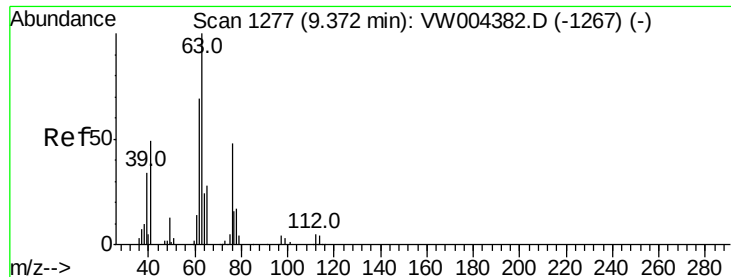


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 28.696 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

Instrument :

MSVOA_W

ClientSampleId :

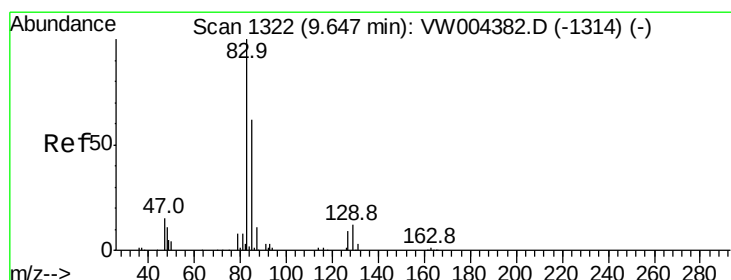
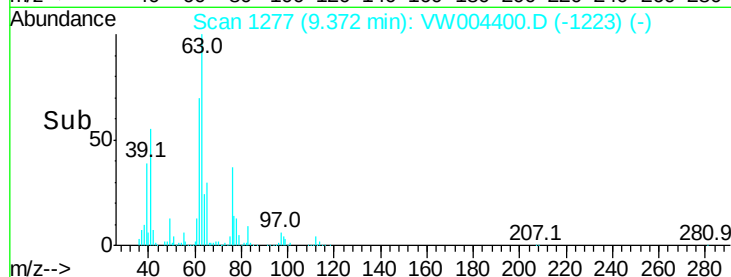
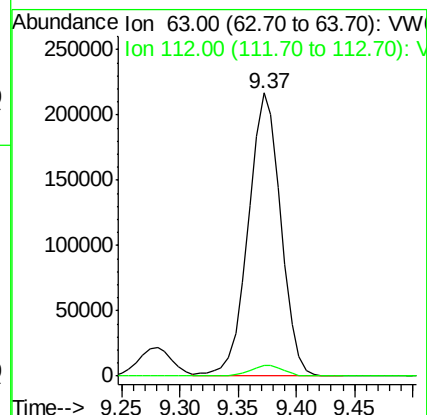
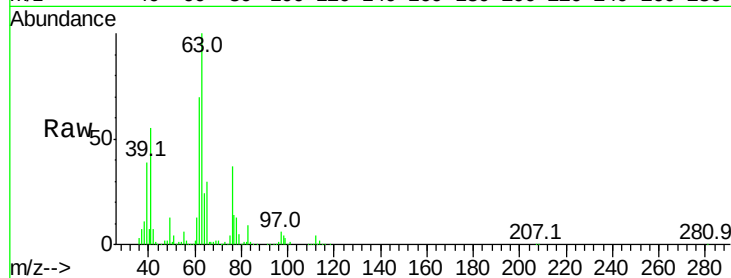
VSTD02591

Tgt Ion: 63 Resp: 422971

Ion Ratio Lower Upper

63 100

112 3.8 3.4 5.2



#41

Bromodichloromethane

Concen: 26.537 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

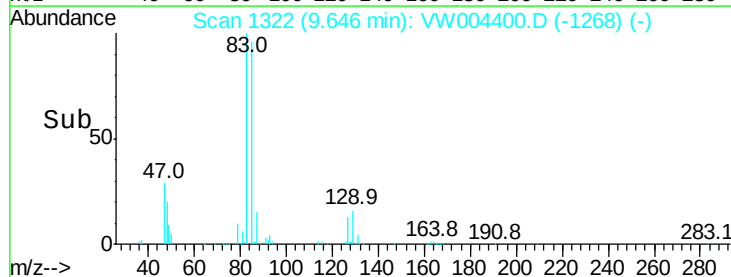
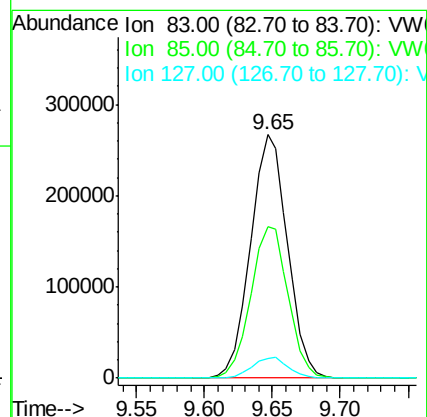
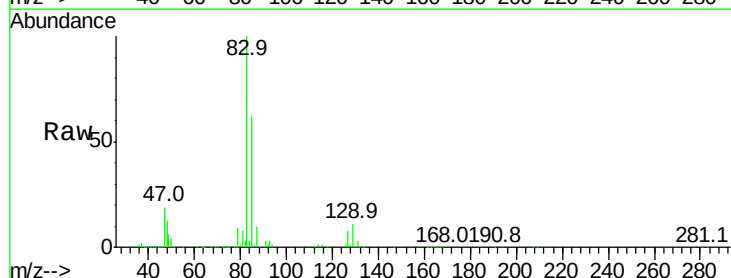
Tgt Ion: 83 Resp: 506085

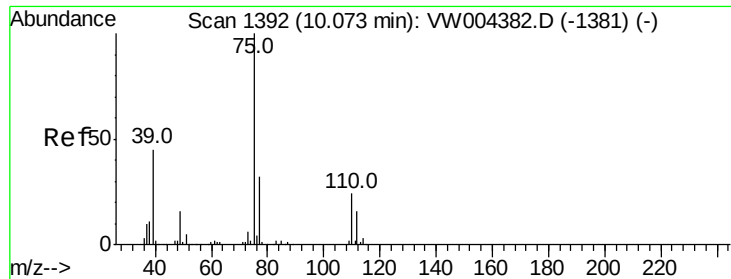
Ion Ratio Lower Upper

83 100

85 62.4 44.9 83.3

127 8.3 7.4 11.0

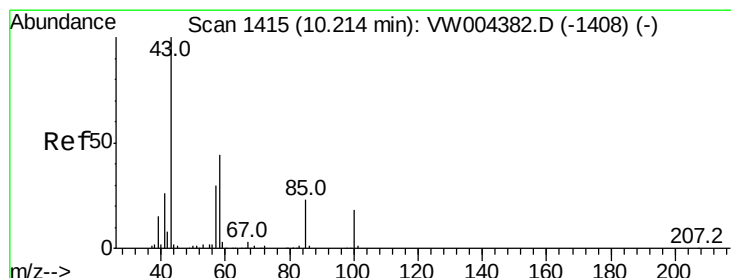
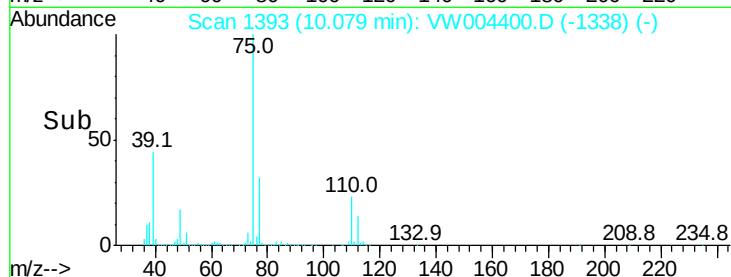
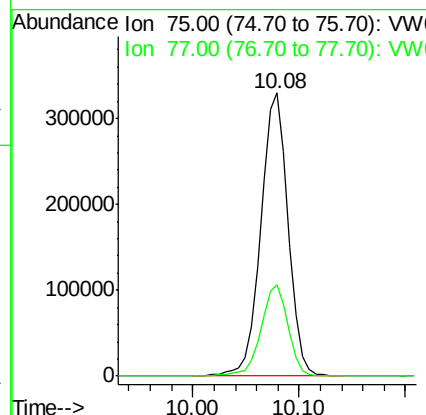
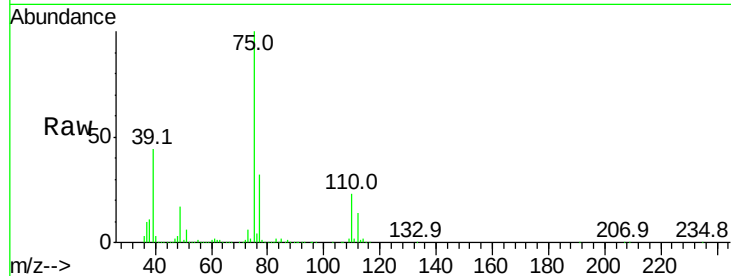




#42
 cis-1,3-Dichloroprene
 Concen: 25.614 ug/L
 RT: 10.08 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VW004400.D
 Acq: 02 Aug 2018 13:43

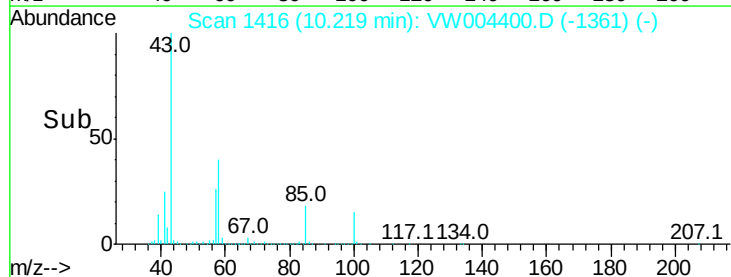
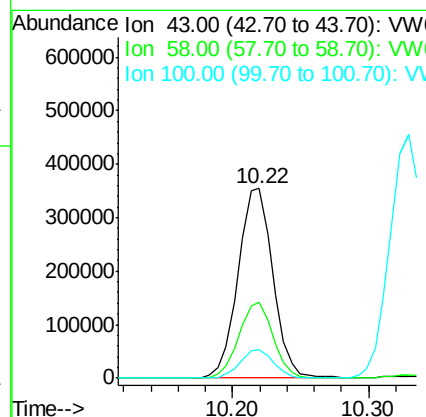
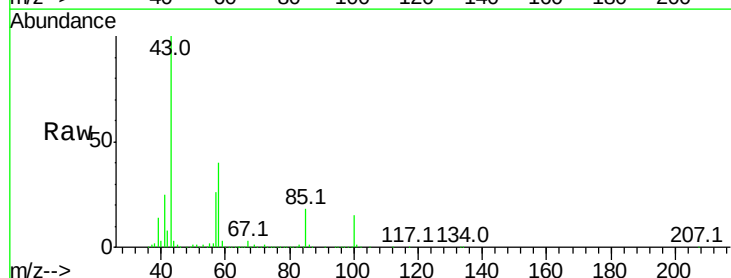
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

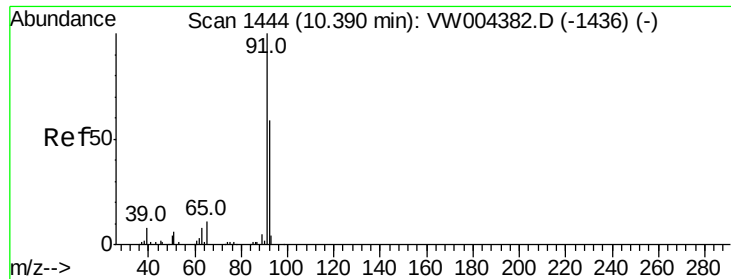
Tgt Ion: 75 Resp: 592211
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.0 41.0



#43
 4-Methyl-2-pentanone
 Concen: 52.952 ug/L
 RT: 10.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VW004400.D
 Acq: 02 Aug 2018 13:43

Tgt Ion: 43 Resp: 631886
 Ion Ratio Lower Upper
 43 100
 58 39.4 32.3 48.5
 100 14.6 13.9 20.9





#44

Toluene

Concen: 26.579 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

Instrument :

MSVOA_W

ClientSampleId :

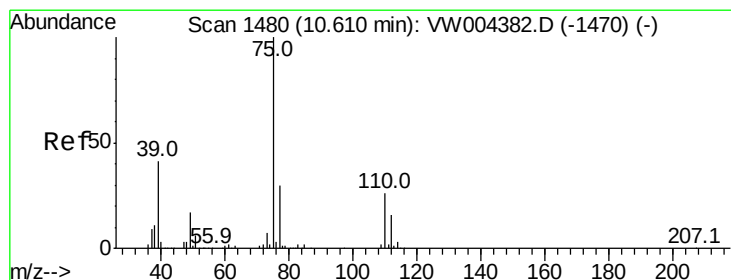
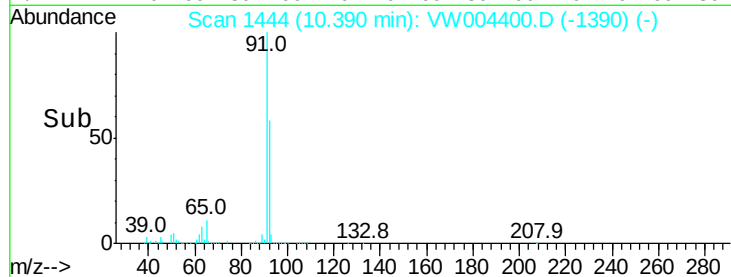
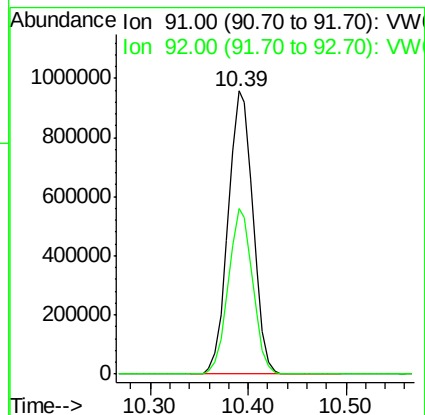
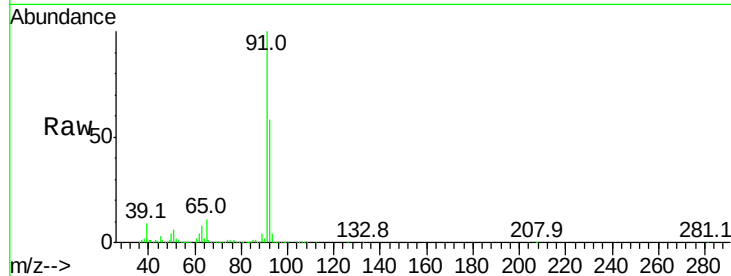
VSTD02591

Tgt Ion: 91 Resp: 1679508

Ion Ratio Lower Upper

91 100

92 58.3 40.9 75.9



#45

trans-1,3-Dichloropropene

Concen: 25.943 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004400.D

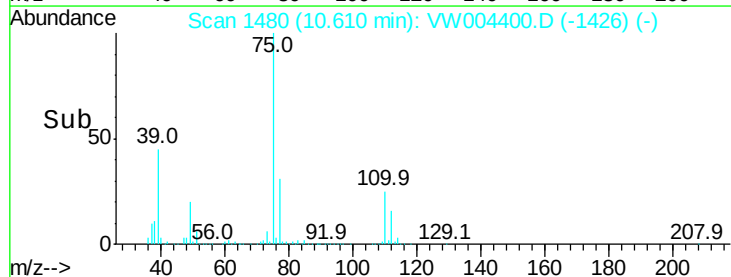
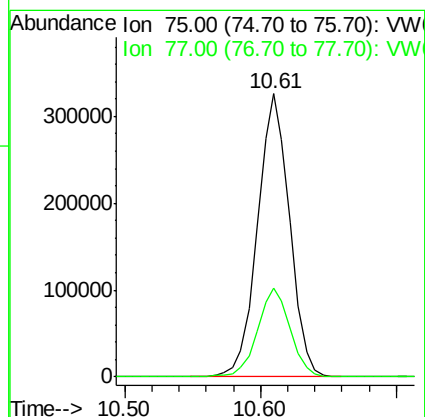
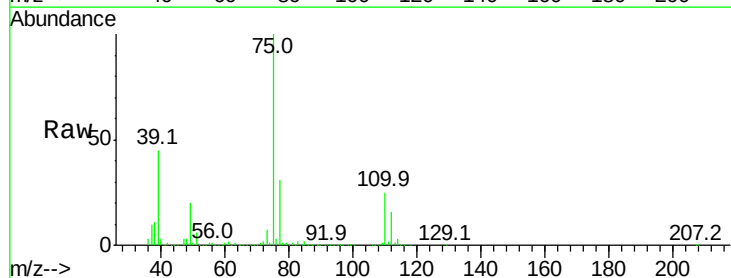
Acq: 02 Aug 2018 13:43

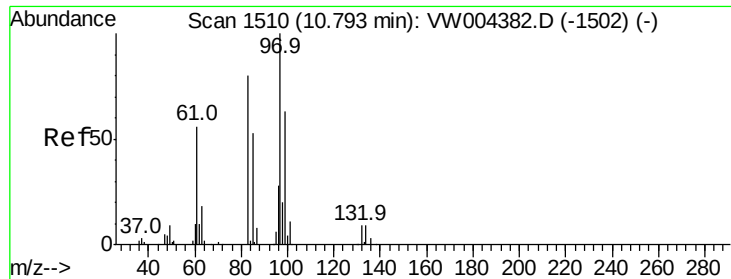
Tgt Ion: 75 Resp: 538517

Ion Ratio Lower Upper

75 100

77 31.2 23.9 44.5

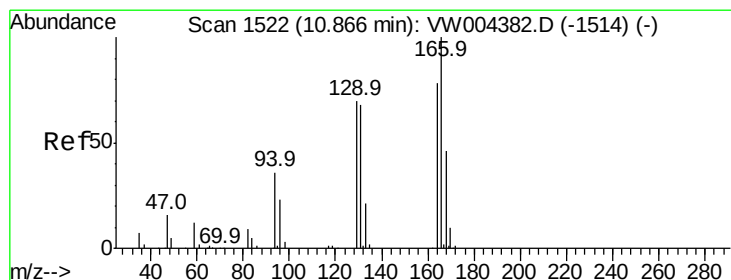
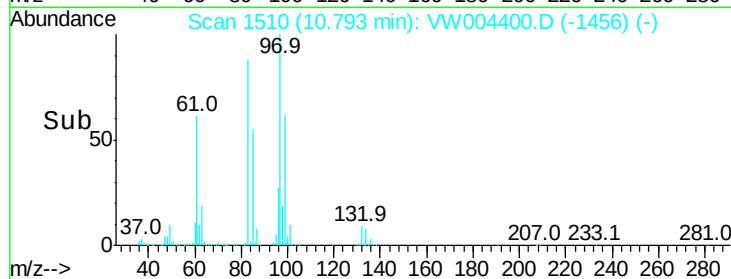
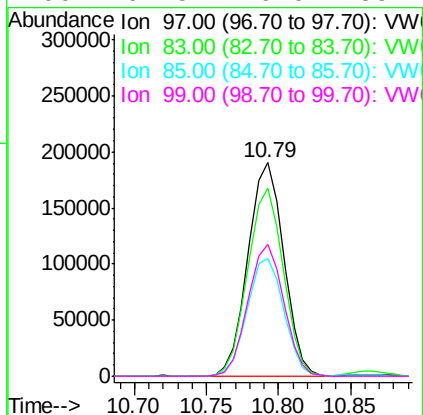
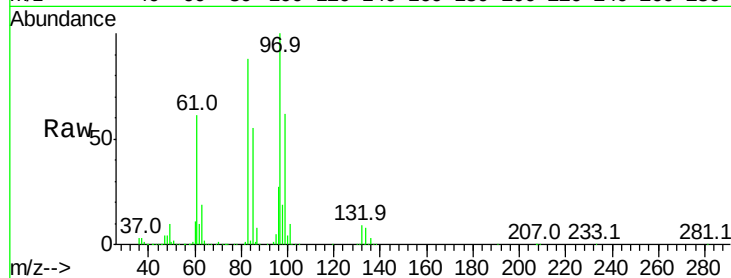




#46
 1,1,2-Trichloroethane
 Concen: 26.992 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004400.D
 Acq: 02 Aug 2018 13:43

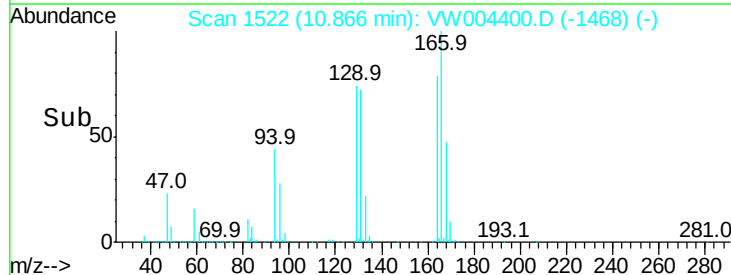
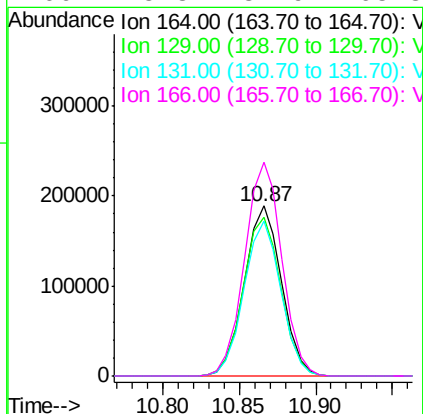
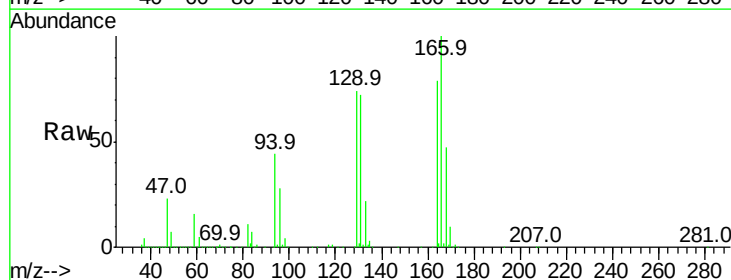
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

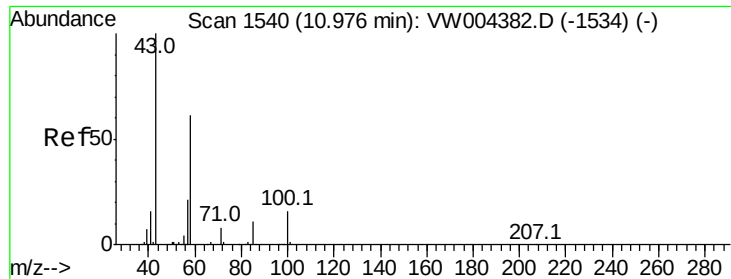
Tgt Ion:	97	Resp:	328094
Ion	Ratio	Lower	Upper
97	100		
83	88.3	59.4	110.2
85	55.4	39.0	72.4
99	61.5	46.0	85.4



#47
 Tetrachloroethene
 Concen: 23.533 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004400.D
 Acq: 02 Aug 2018 13:43

Tgt Ion:	164	Resp:	317847
Ion	Ratio	Lower	Upper
164	100		
129	93.4	63.7	118.3
131	91.2	61.6	114.4
166	125.8	87.9	163.3

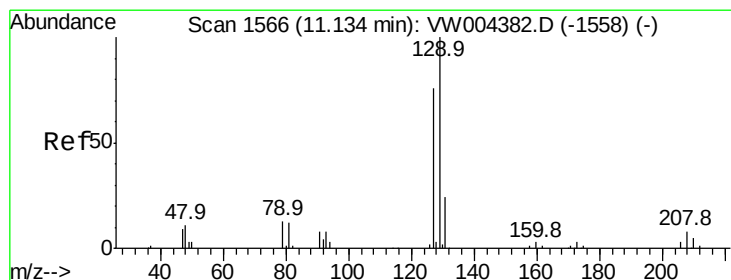
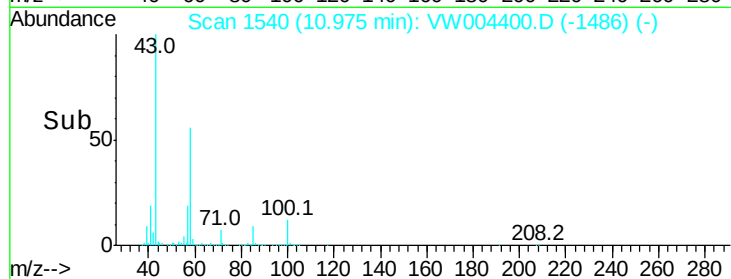
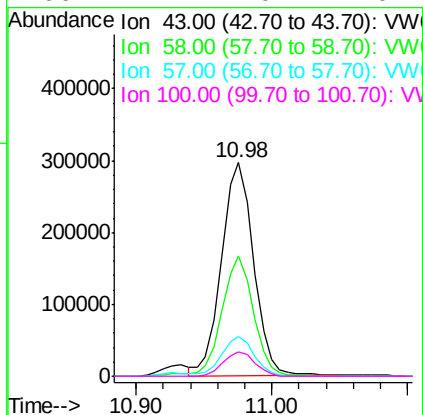
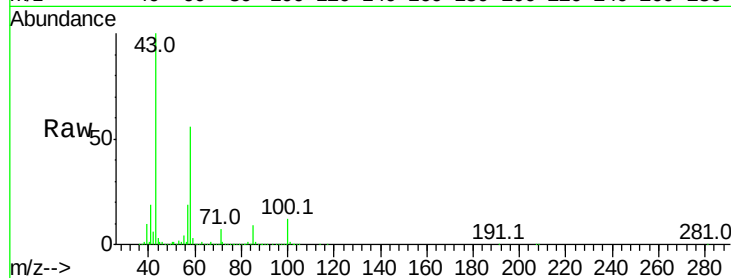




#49
2-Hexanone
Concen: 54.845 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004400.D
Acq: 02 Aug 2018 13:43

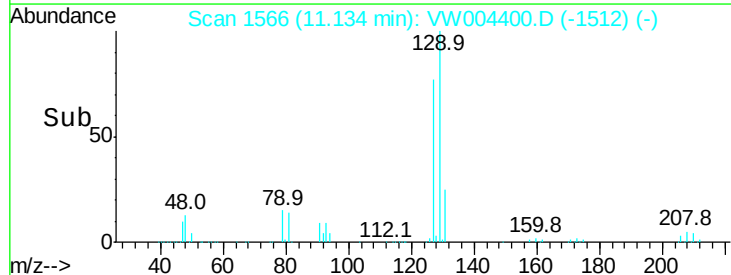
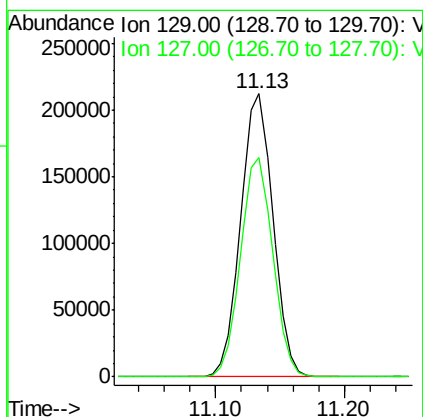
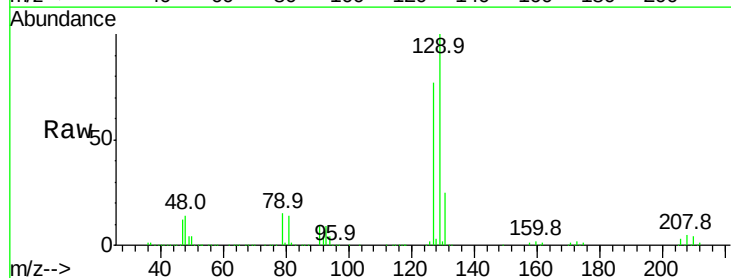
Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

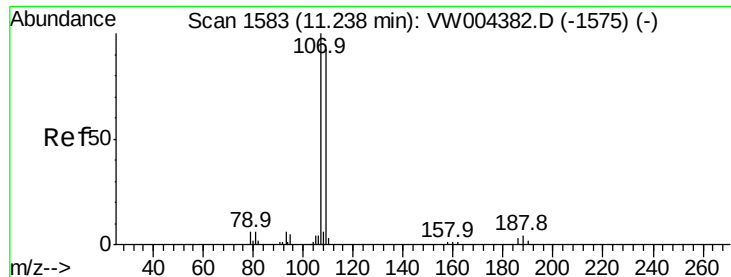
Tgt Ion:	43	Resp:	486416
Ion	Ratio	Lower	Upper
43	100		
58	54.2	44.0	66.0
57	18.8	16.0	24.0
100	11.1	10.7	16.1



#50
Dibromochloromethane
Concen: 24.852 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004400.D
Acq: 02 Aug 2018 13:43

Tgt Ion:	129	Resp:	368013
Ion	Ratio	Lower	Upper
129	100		
127	77.3	55.6	103.2





#51

1,2-Dibromoethane

Concen: 26.159 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

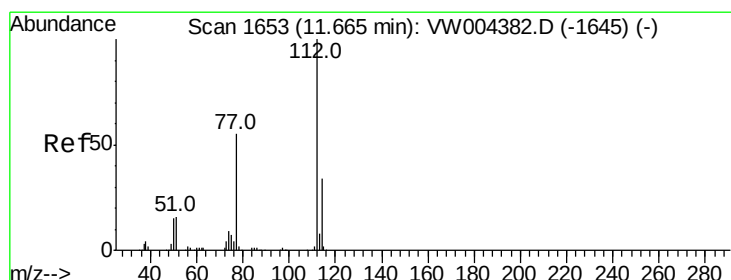
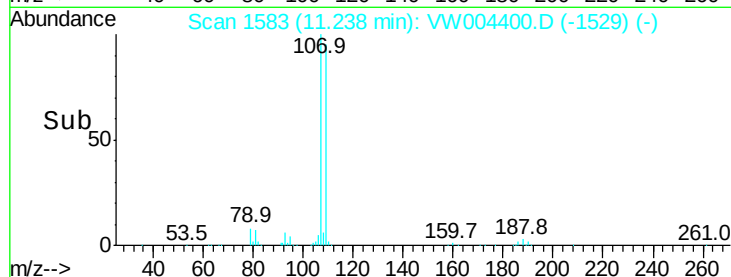
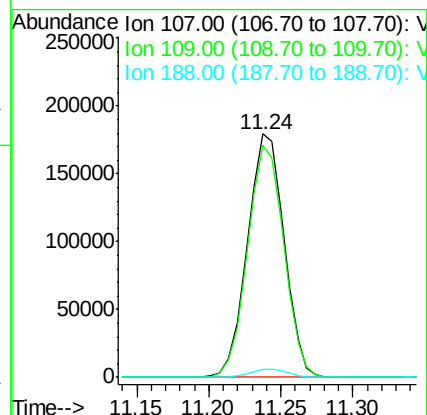
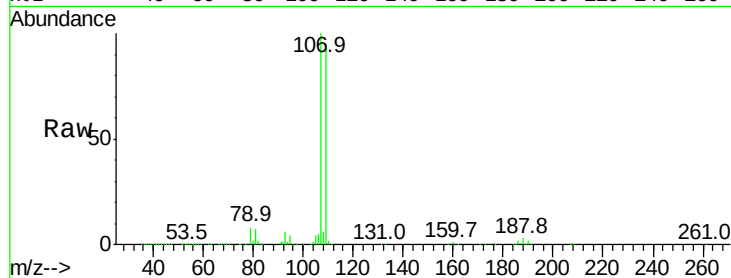
Tgt Ion:107 Resp: 315143

Ion Ratio Lower Upper

107 100

109 95.5 65.1 120.9

188 3.2 3.2 4.8#



#52

Chlorobenzene

Concen: 26.017 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

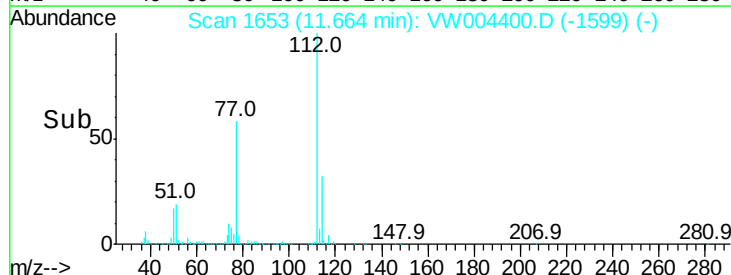
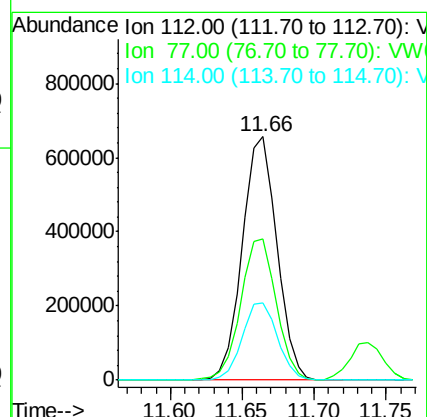
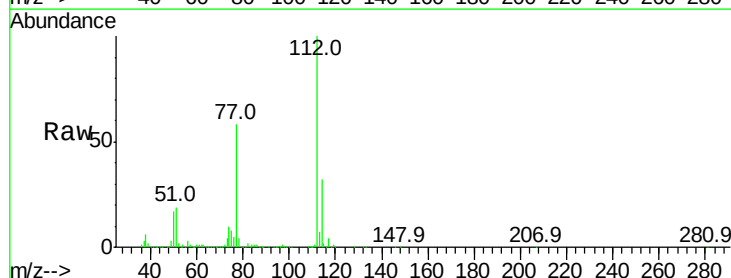
Tgt Ion:112 Resp: 1094297

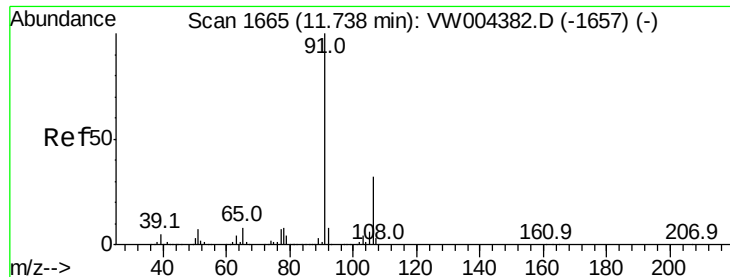
Ion Ratio Lower Upper

112 100

77 58.1 42.9 64.3

114 31.5 22.0 41.0





#53

Ethylbenzene

Concen: 26.322 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

Instrument :

MSVOA_W

ClientSampleId :

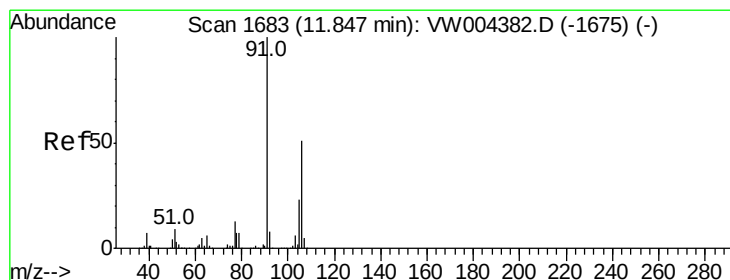
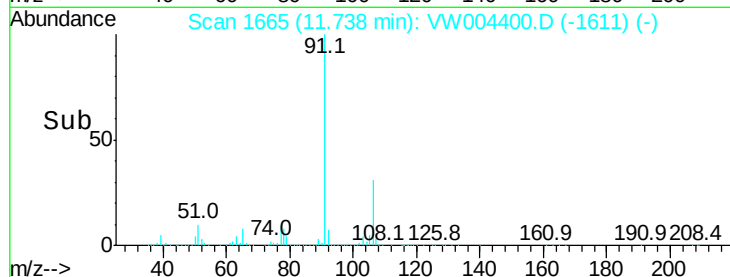
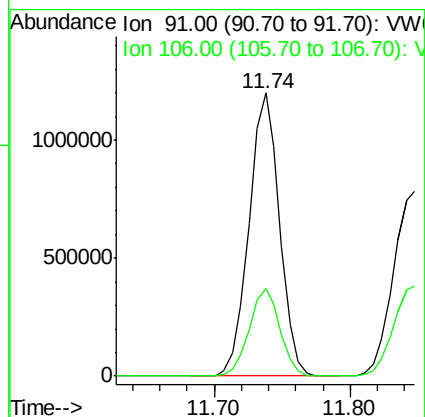
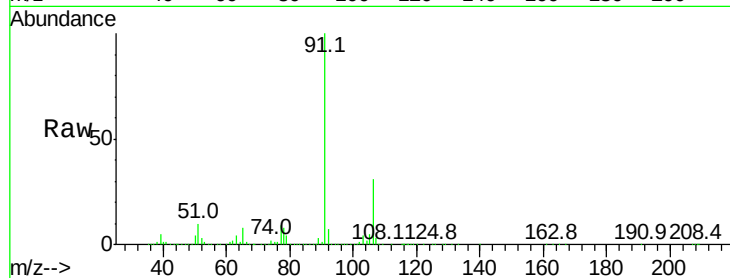
VSTD02591

Tgt Ion: 91 Resp: 1881609

Ion Ratio Lower Upper

91 100

106 30.8 20.7 38.5



#54

m,p-Xylene

Concen: 26.373 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004400.D

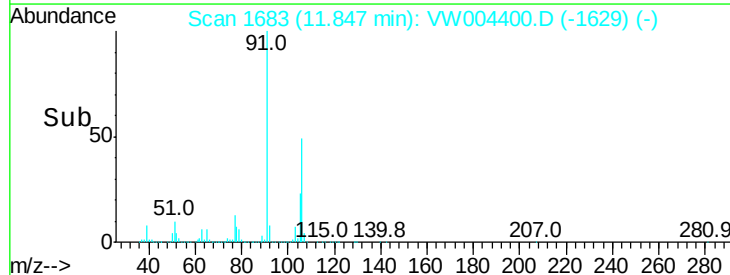
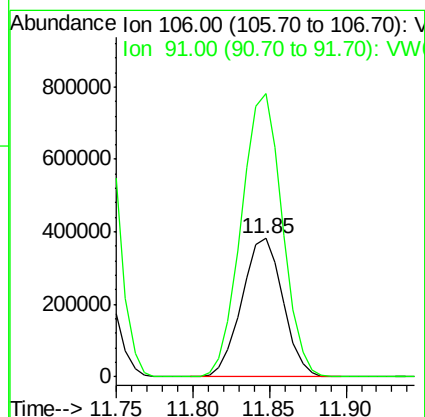
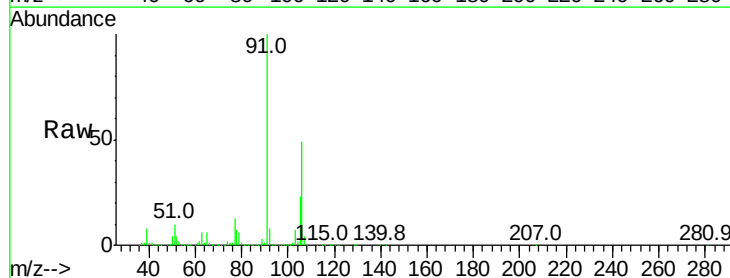
Acq: 02 Aug 2018 13:43

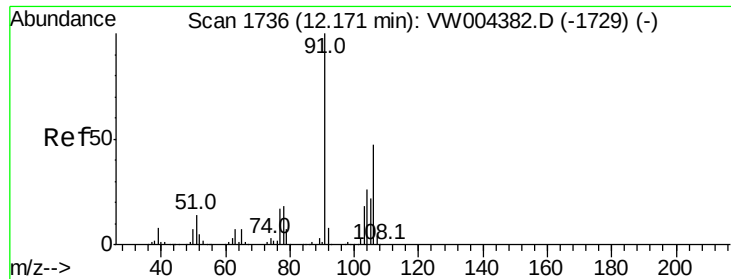
Tgt Ion: 106 Resp: 713148

Ion Ratio Lower Upper

106 100

91 204.3 139.2 258.6





#55

o-xylene

Concen: 26.664 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

Instrument :

MSVOA_W

ClientSampleId :

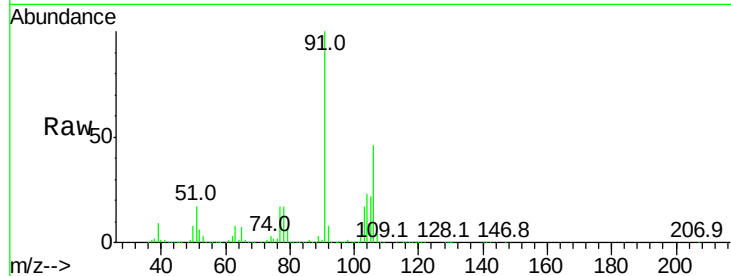
VSTD02591

Tgt Ion:106 Resp: 680995

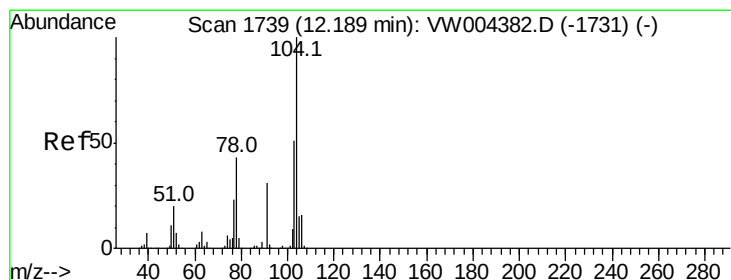
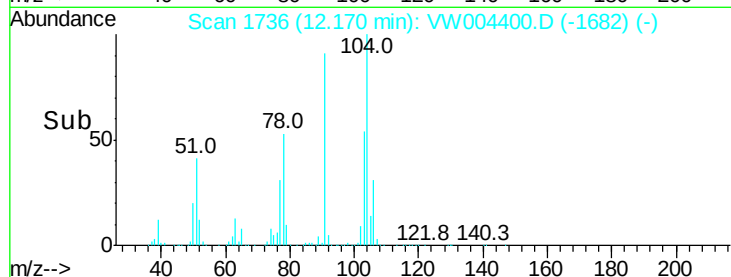
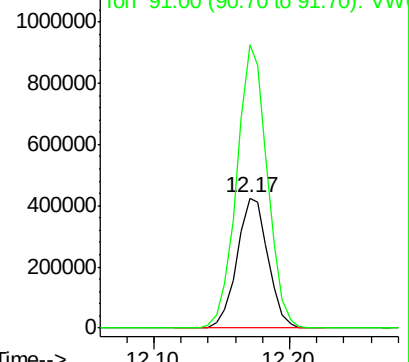
Ion Ratio Lower Upper

106 100

91 217.2 143.4 266.4



Abundance Ion 106.00 (105.70 to 106.70): V



#56

Styrene

Concen: 27.394 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW004400.D

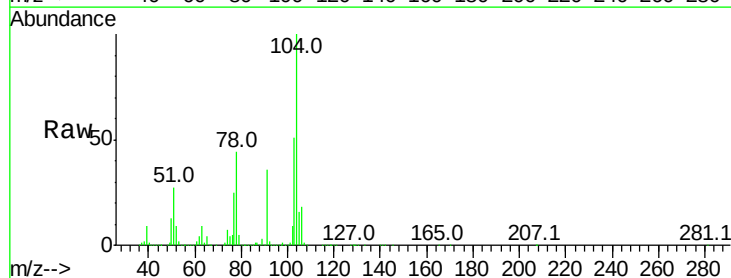
Acq: 02 Aug 2018 13:43

Tgt Ion:104 Resp: 1211075

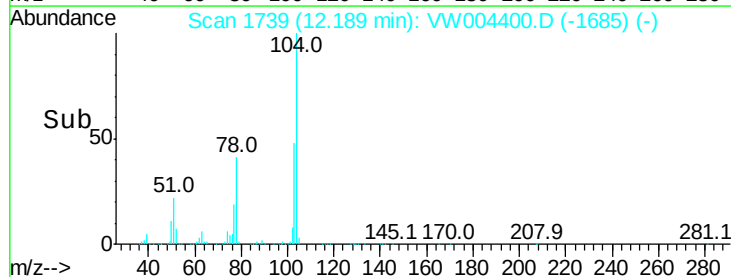
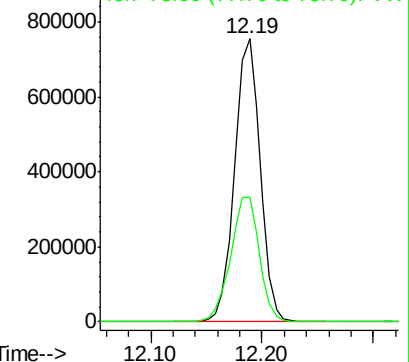
Ion Ratio Lower Upper

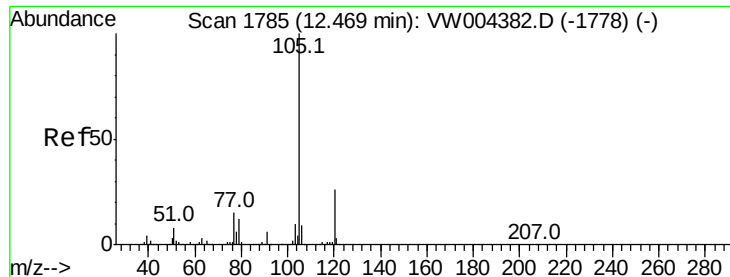
104 100

78 44.0 31.7 58.9



Abundance Ion 104.00 (103.70 to 104.70): V





#57

Isopropylbenzene

Concen: 25.860 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

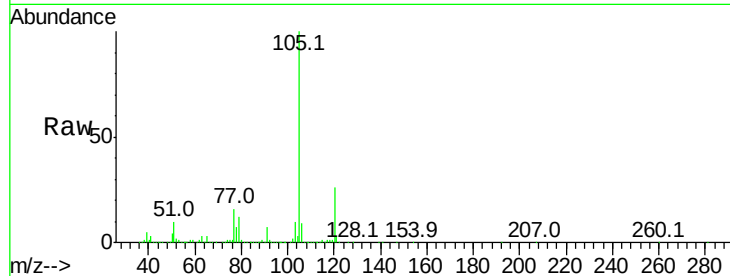
Tgt Ion:105 Resp: 1851731

Ion Ratio Lower Upper

105 100

120 26.2 21.8 32.8

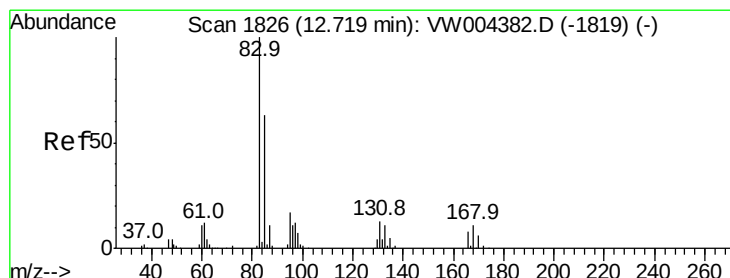
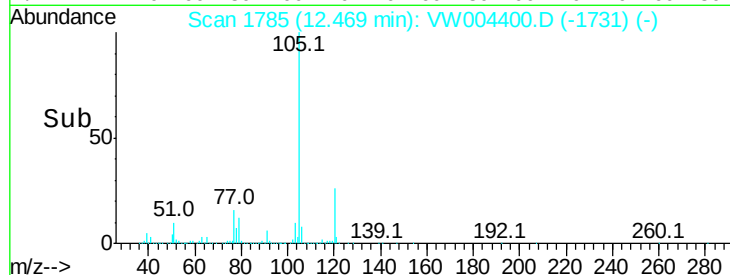
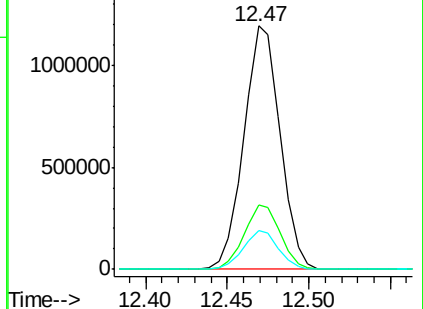
77 15.5 11.8 17.8



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: 28.204 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

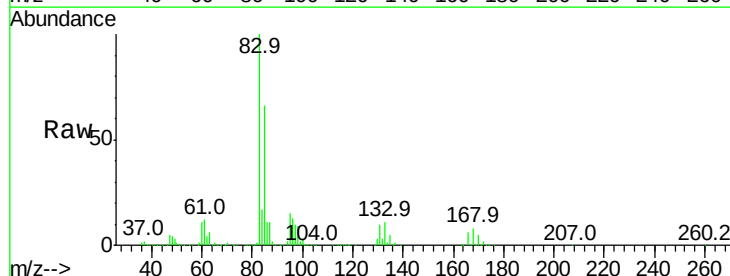
Tgt Ion: 83 Resp: 470678

Ion Ratio Lower Upper

83 100

85 65.8 44.3 82.3

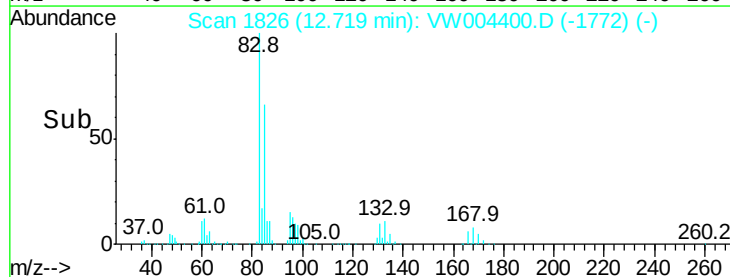
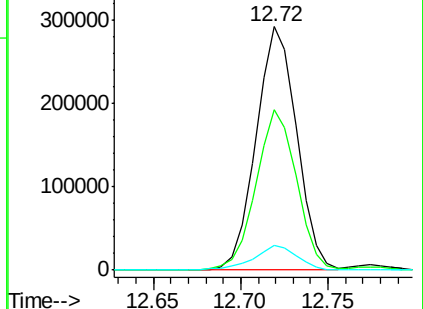
131 10.1 9.1 13.7

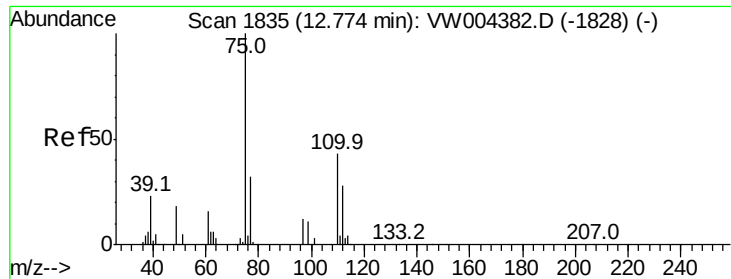


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.499 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

Instrument :

MSVOA_W

ClientSampleId :

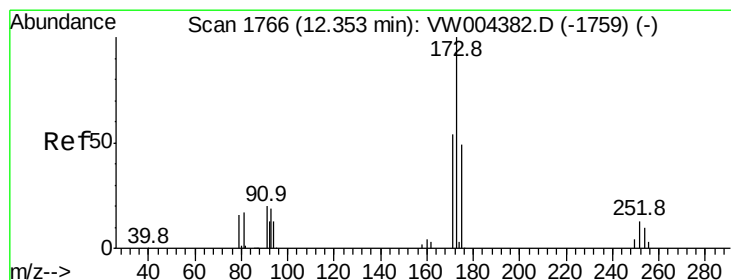
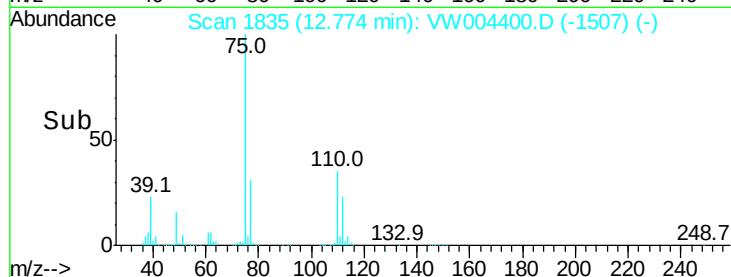
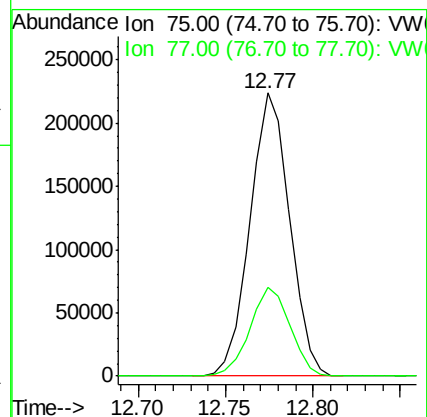
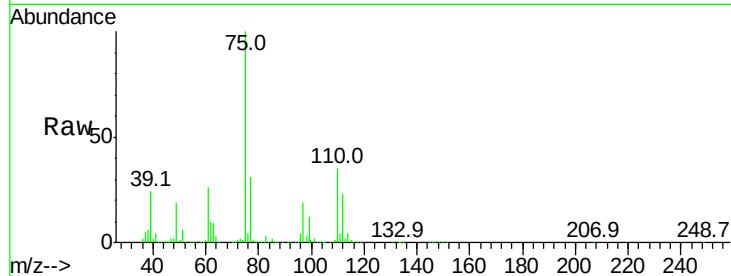
VSTD02591

Tgt Ion: 75 Resp: 353326

Ion Ratio Lower Upper

75 100

77 31.6 26.6 40.0



#62

Bromoform

Concen: 24.913 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

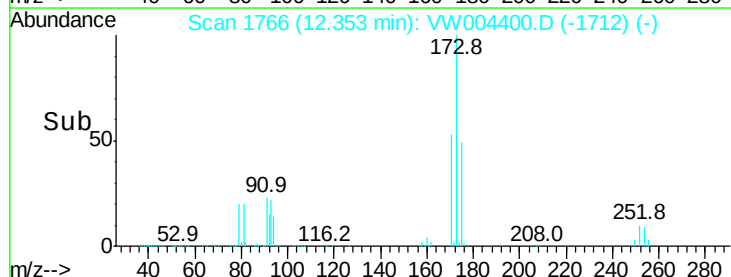
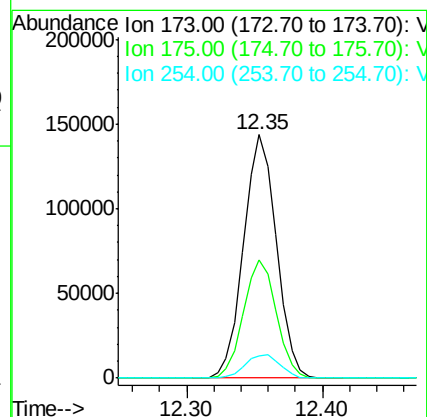
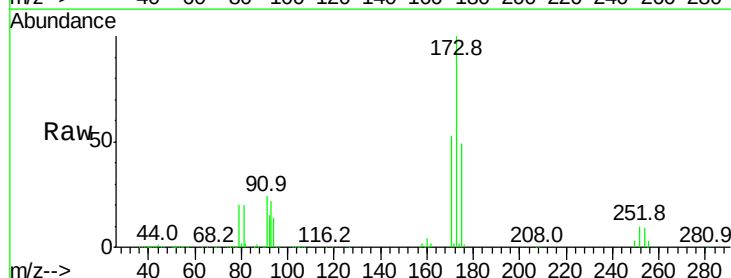
Tgt Ion: 173 Resp: 242210

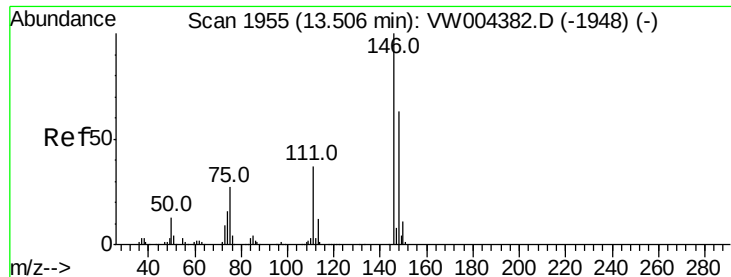
Ion Ratio Lower Upper

173 100

175 48.7 39.8 59.8

254 10.1 8.6 12.8





#63

1,3-Dichlorobenzene

Concen: 24.694 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

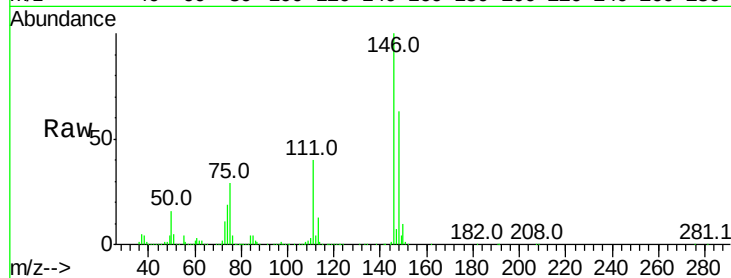
Tgt Ion:146 Resp: 830137

Ion Ratio Lower Upper

146 100

111 39.6 28.6 53.2

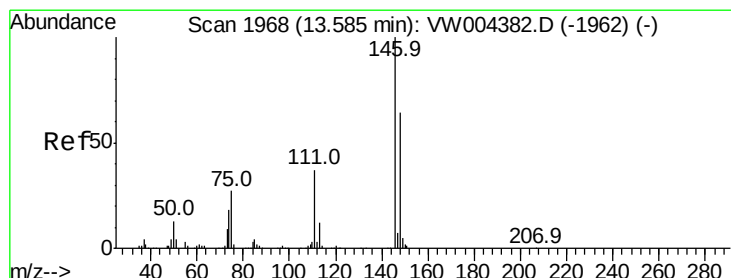
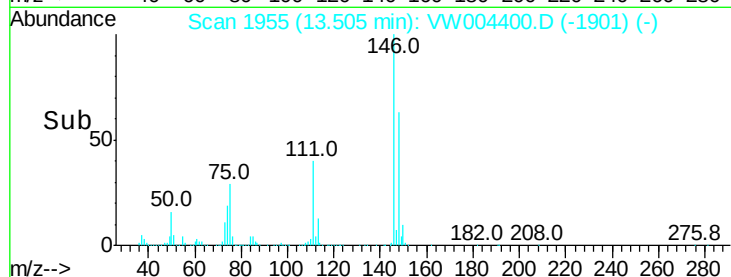
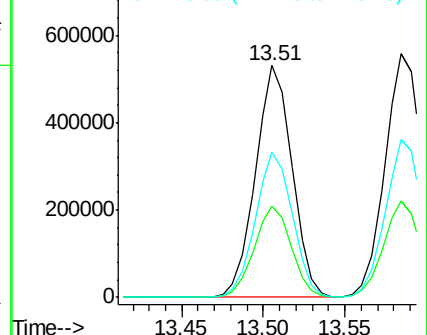
148 62.6 47.7 88.5



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: 25.754 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

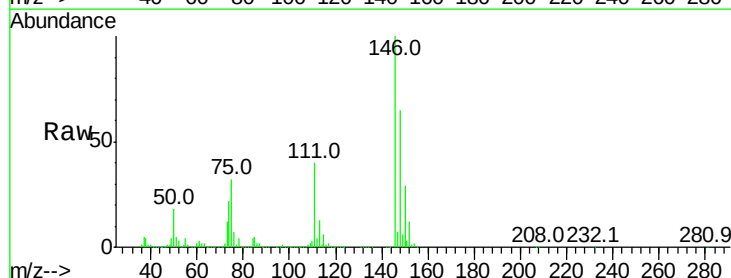
Tgt Ion:146 Resp: 890739

Ion Ratio Lower Upper

146 100

111 39.6 25.4 47.2

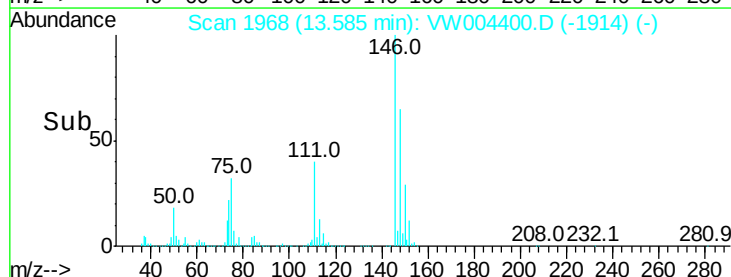
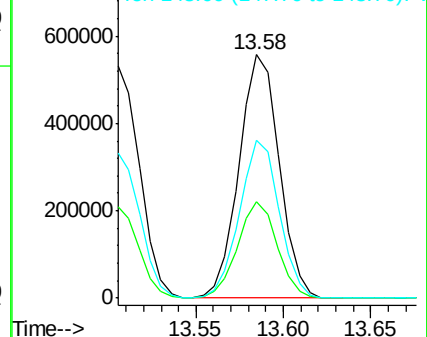
148 65.0 42.8 79.6

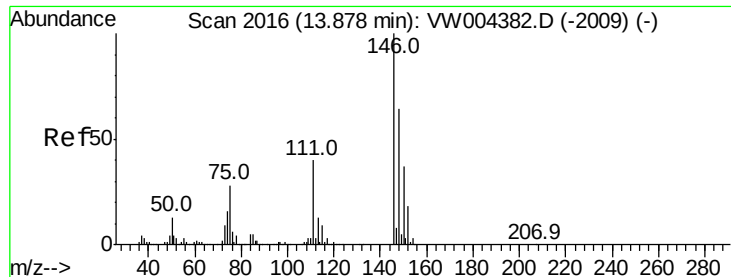


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 26.290 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

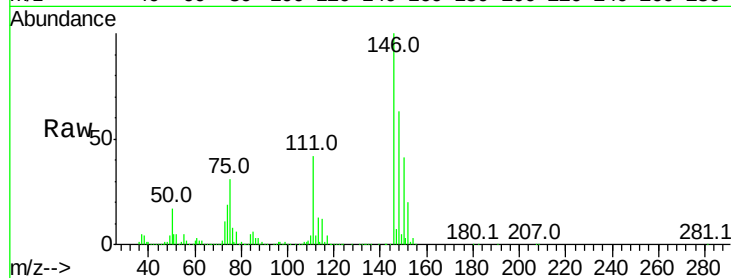
Tgt Ion:146 Resp: 835493

Ion Ratio Lower Upper

146 100

111 41.8 30.2 45.4

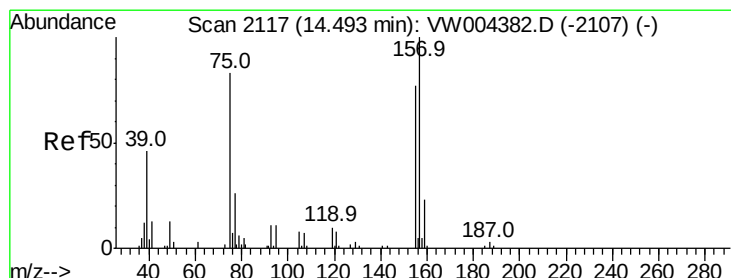
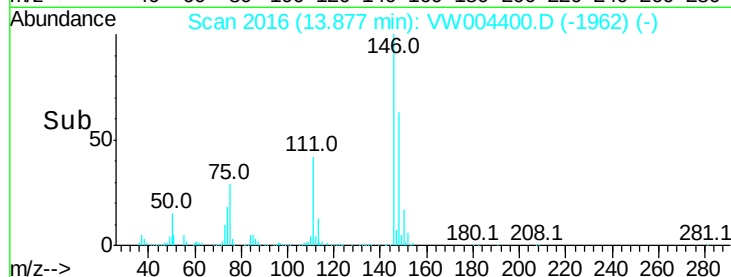
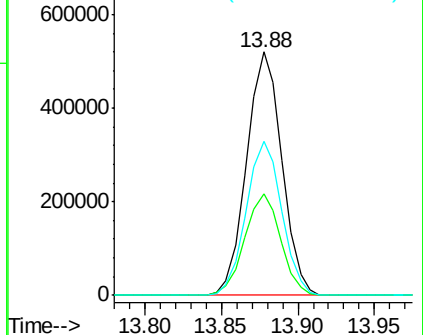
148 63.5 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 25.676 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

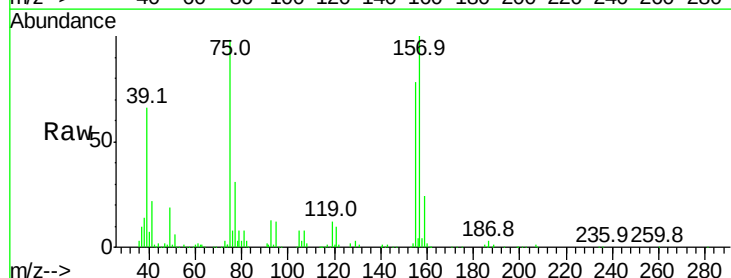
Tgt Ion: 75 Resp: 80404

Ion Ratio Lower Upper

75 100

157 101.7 88.6 132.8

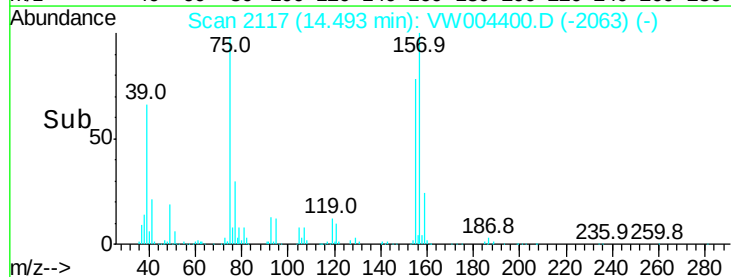
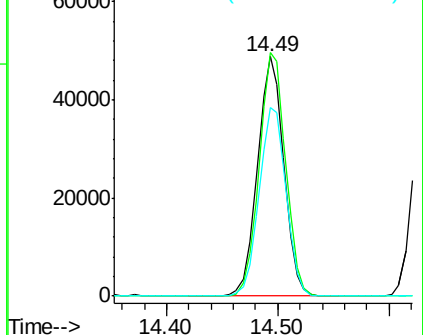
155 78.8 71.8 107.6

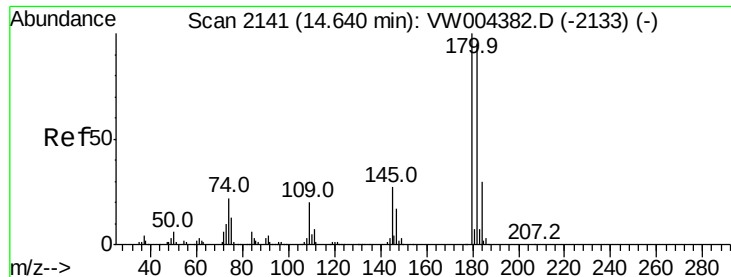


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

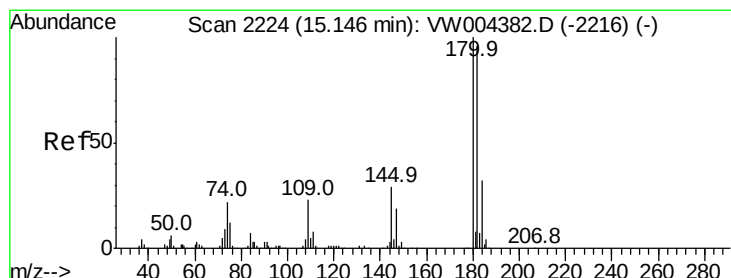
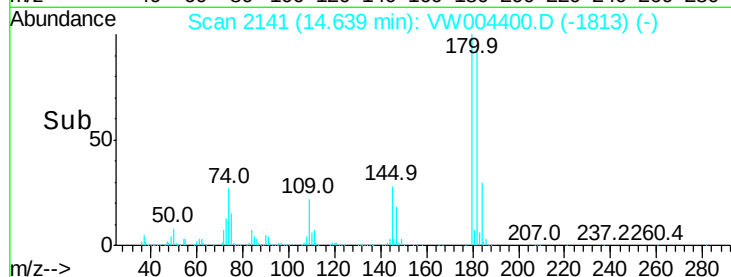
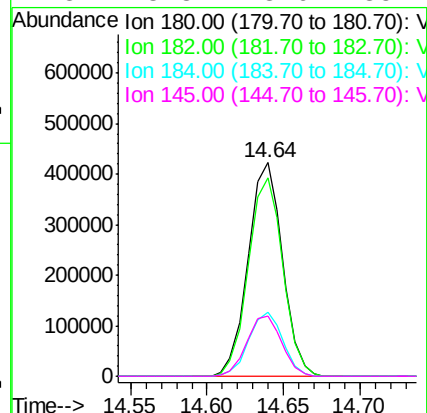
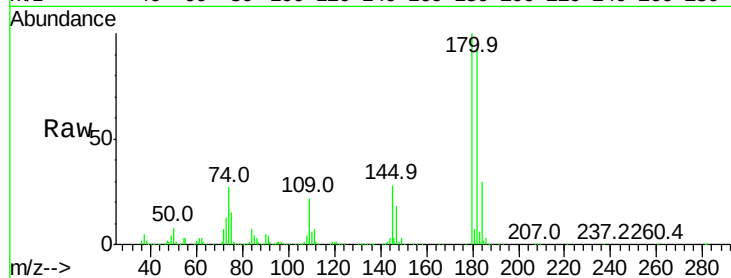




#67
 1,3,5-Trichlorobenzene
 Concen: 24.659 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004400.D
 Acq: 02 Aug 2018 13:43

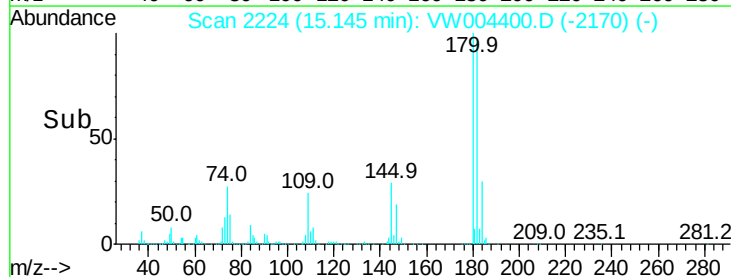
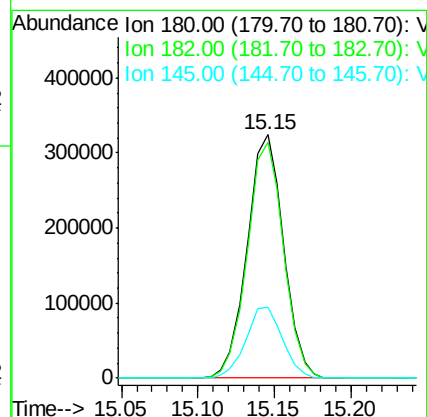
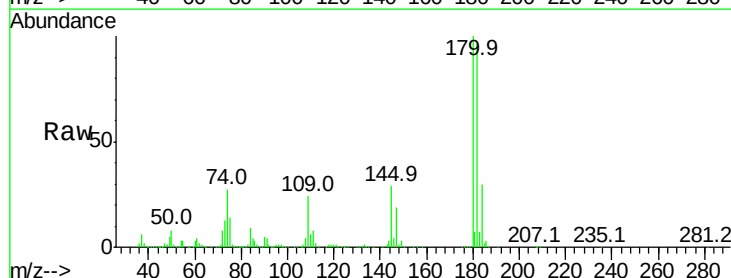
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

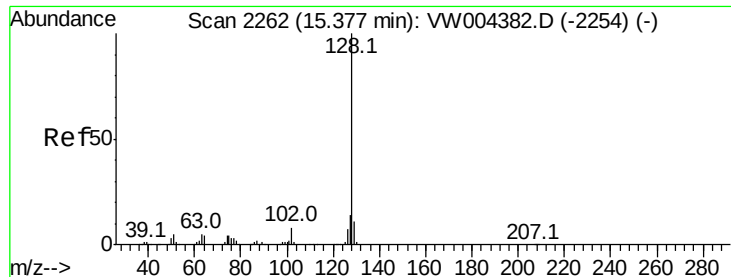
Tgt Ion:	180	Resp:	657217
Ion	Ratio	Lower	Upper
180	100		
182	93.9	77.7	116.5
184	30.0	24.6	37.0
145	28.8	23.6	35.4



#68
 1,2,4-trichlorobenzene
 Concen: 23.685 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004400.D
 Acq: 02 Aug 2018 13:43

Tgt Ion:	180	Resp:	536097
Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.5	113.3
145	29.3	24.2	36.2





#69

Naphthalene

Concen: 24.792 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

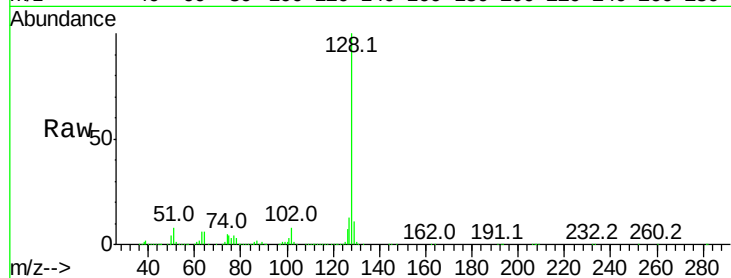
Tgt Ion:128 Resp: 1268190

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

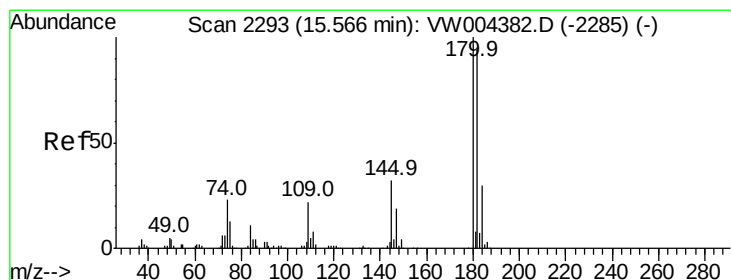
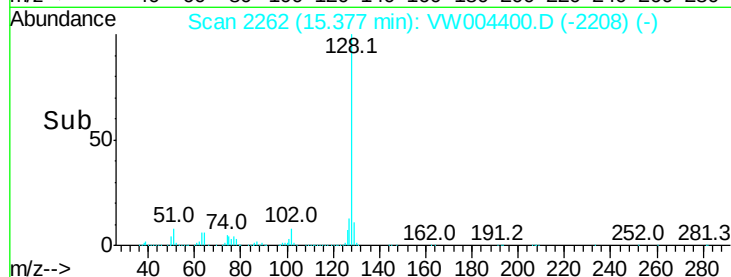
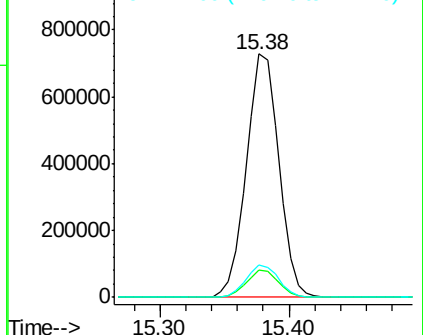
127 13.3 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.465 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004400.D

Acq: 02 Aug 2018 13:43

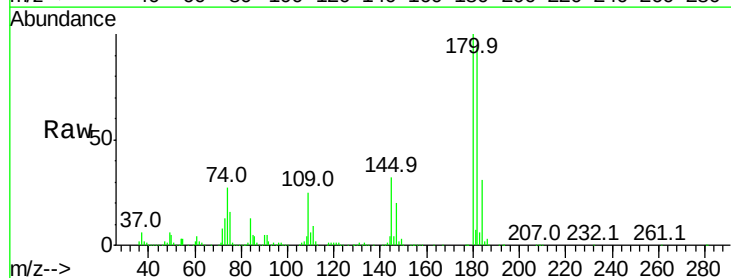
Tgt Ion:180 Resp: 533339

Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.4

145 31.5 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

