

Data File : VW011184.D
Acq On : 10 Jul 2019 09:24
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

Quant Time: Jul 11 05:37:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 03 23:17:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	371930	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	331498	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	163084	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	161463	28.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.72%
7) Chloroethane-d5	2.89	69	113498	28.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.96%
10) 1,1-Dichloroethene-d2	4.02	63	326991	27.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	108.76%
20) 2-Butanone-d5	7.07	46	110467	49.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.76%
24) Chloroform-d	7.64	84	284405	27.90	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.60%
26) 1,2-Dichloroethane-d4	8.30	65	169116	26.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.76%
29) Benzene-d6	8.27	84	577439	28.27	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	113.08%
33) 1,2-Dichloropropane-d6	9.27	67	188380	28.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.32%
37) Toluene-d8	10.32	98	517589	28.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	113.76%
38) trans-1,3-Dichloropropene-	10.57	79	79031	27.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	111.80%
39) 2-Hexanone-d5	10.92	63	78625	51.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.12%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	147507	26.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	168816	26.97	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.88%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	129029	28.207	ug/L	99
3) Chloromethane	2.21	50	117521	23.664	ug/L	99
5) Vinyl chloride	2.36	62	162632	25.090	ug/L	100
6) Bromomethane	2.78	94	76177	25.120	ug/L	99
8) Chloroethane	2.92	64	84154	25.686	ug/L	99
9) Trichlorofluoromethane	3.25	101	60669	27.336	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	129121	26.111	ug/L	98
12) 1,1-Dichloroethene	4.04	96	123815	25.332	ug/L	92
13) Acetone	4.12	43	93891	42.968	ug/L	100
14) Carbon disulfide	4.38	76	357949	25.601	ug/L	100
15) Methyl Acetate	4.67	43	79536	22.369	ug/L #	81
16) Methylene chloride	4.91	84	129041	23.610	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	187957	24.797	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	123415	24.988	ug/L	98
19) 1,1-Dichloroethane	6.21	63	253896	25.322	ug/L	97
21) 2-Butanone	7.17	43	121390	43.033	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	133219	24.918	ug/L	99

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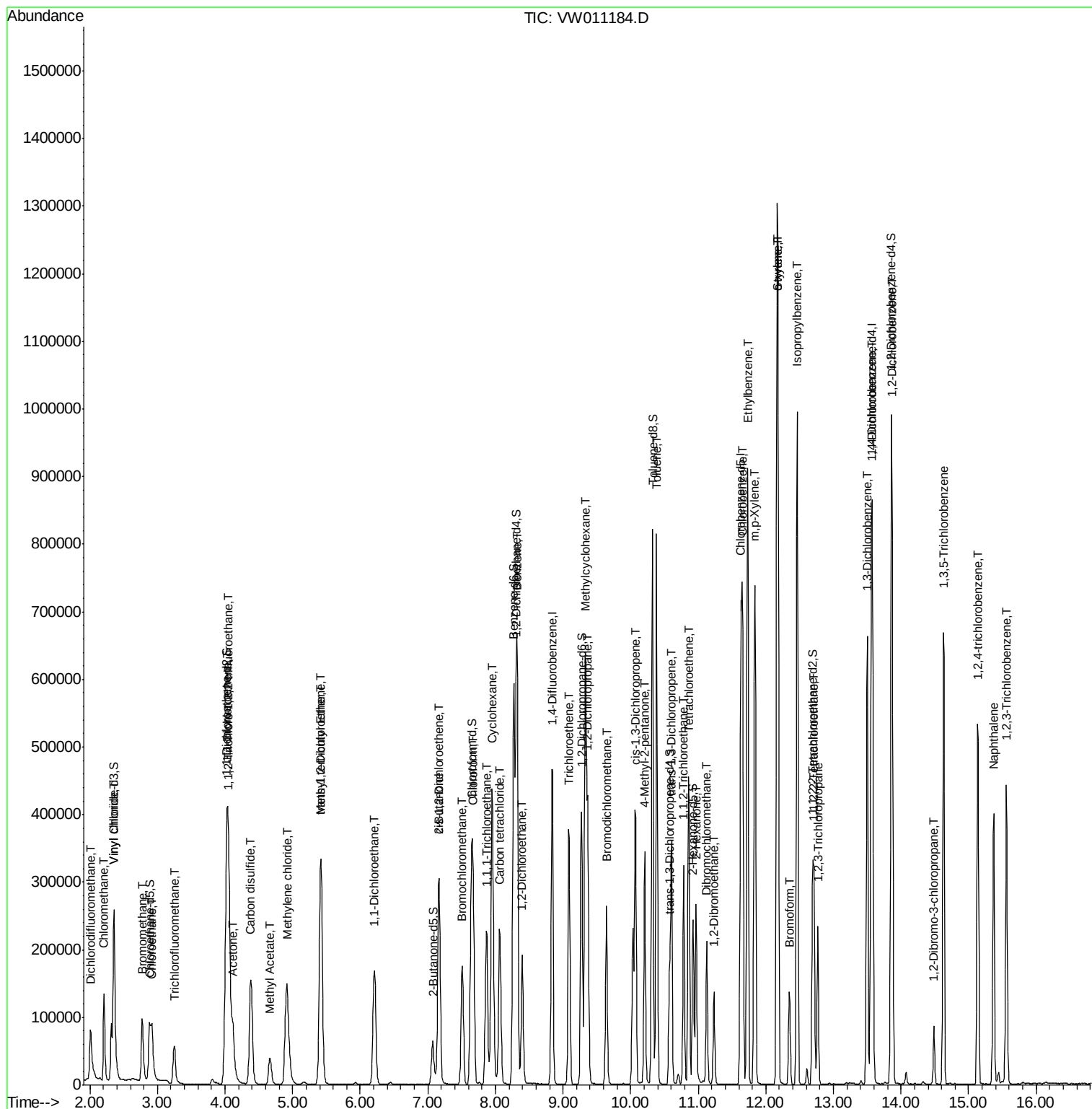
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	55014	24.524	ug/L	97
25) Chloroform	7.67	83	238937	25.158	ug/L	99
27) 1,2-Dichloroethane	8.40	62	174370	24.018	ug/L	100
30) Cyclohexane	7.95	56	256286	25.428	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	179984	26.160	ug/L	100
32) Carbon tetrachloride	8.06	117	168521	26.117	ug/L	99
34) Benzene	8.32	78	529442	25.555	ug/L	100
35) Trichloroethene	9.09	95	132090	25.265	ug/L	99
36) Methylcyclohexane	9.33	83	241136	25.629	ug/L	99
40) 1,2-Dichloropropane	9.37	63	143686	25.309	ug/L	99
41) Bromodichloromethane	9.64	83	170461	26.043	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	219223	26.171	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	239961	45.596	ug/L	99
44) Toluene	10.38	91	551598	25.722	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	179367	25.879	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	96231	24.477	ug/L	99
47) Tetrachloroethene	10.86	164	100055	25.322	ug/L	98
49) 2-Hexanone	10.97	43	182803	47.720	ug/L	99
50) Dibromochloromethane	11.13	129	108456	25.906	ug/L	99
51) 1,2-Dibromoethane	11.23	107	91599	24.129	ug/L	97
52) Chlorobenzene	11.66	112	329395	25.142	ug/L	99
53) Ethylbenzene	11.73	91	619990	25.489	ug/L	98
54) m,p-Xylene	11.83	106	225998	25.590	ug/L	95
55) o-xylene	12.16	106	215936	25.703	ug/L	99
56) Styrene	12.18	104	373303	25.902	ug/L	98
57) Isopropylbenzene	12.46	105	596519	26.011	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	125312	23.959	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	94084	23.424	ug/L	99
62) Bromoform	12.35	173	59844	24.622	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	253638	25.279	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	256701	24.992	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	233486	25.000	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	20976	22.876	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	196053	25.789	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	162589	25.529	ug/L	99
69) Naphthalene	15.37	128	326073	24.447	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	146380	25.120	ug/L	99

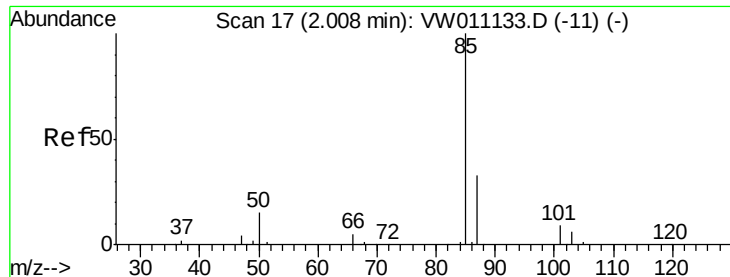
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 28.207 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011184.D

Acq: 10 Jul 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

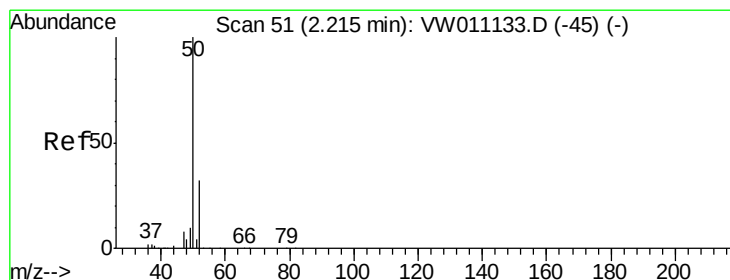
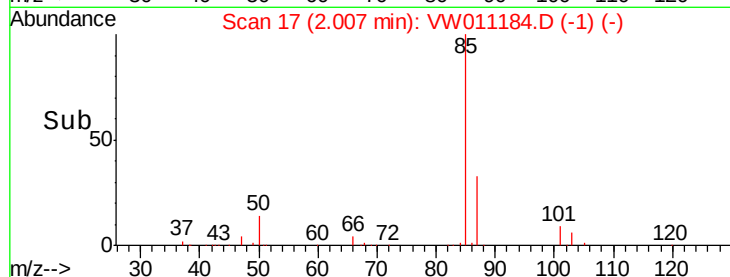
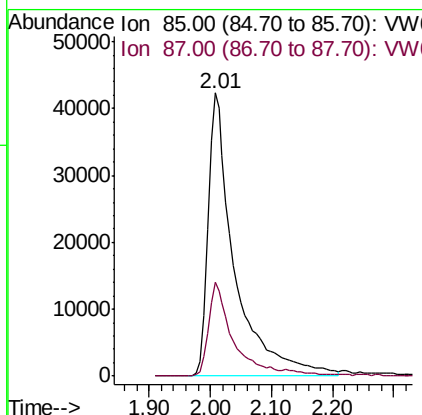
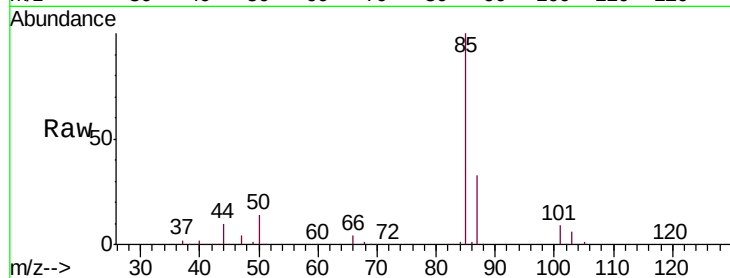
VSTD02517

Tgt Ion: 85 Resp: 129029

Ion Ratio Lower Upper

85 100

87 30.0 20.6 38.4



#3

Chloromethane

Concen: 23.664 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011184.D

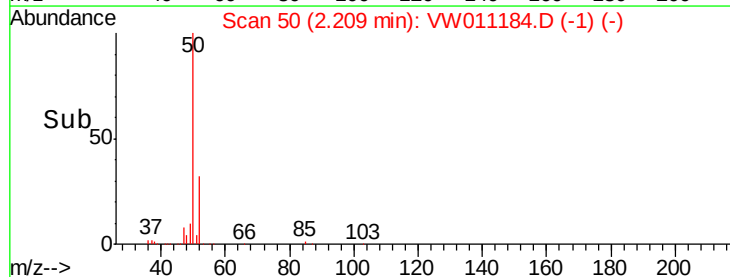
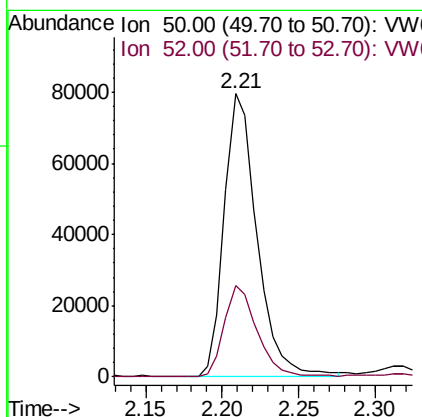
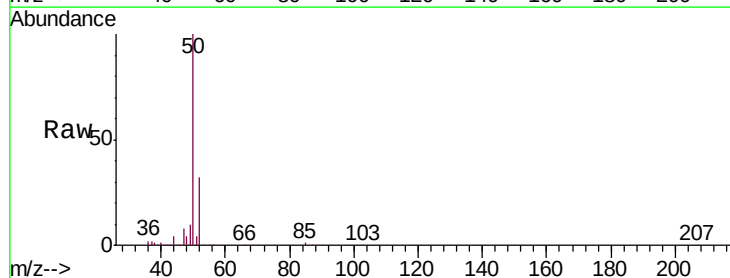
Acq: 10 Jul 2019 09:24

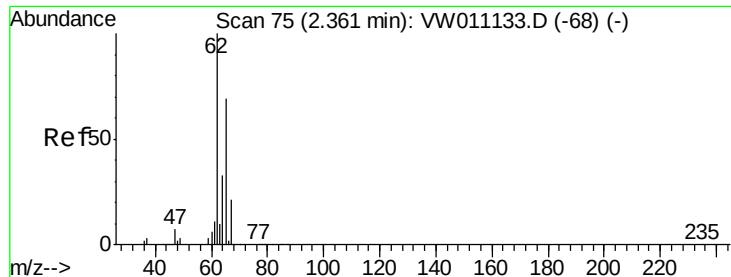
Tgt Ion: 50 Resp: 117521

Ion Ratio Lower Upper

50 100

52 32.5 22.3 41.5





#5

Vinyl chloride

Concen: 25.090 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011184.D

Acq: 10 Jul 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

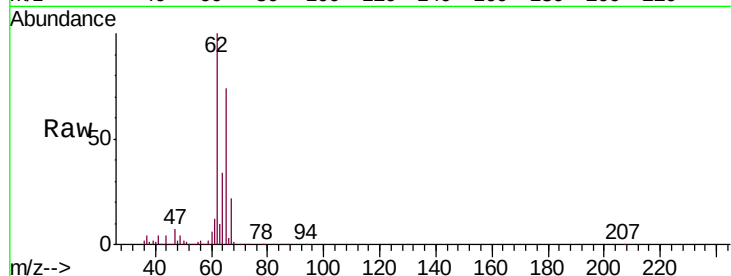
VSTD02517

Tgt Ion: 62 Resp: 162632

Ion Ratio Lower Upper

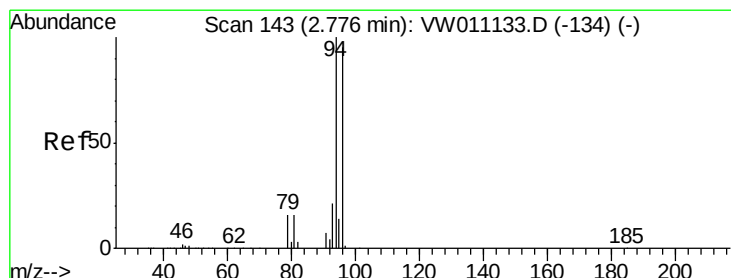
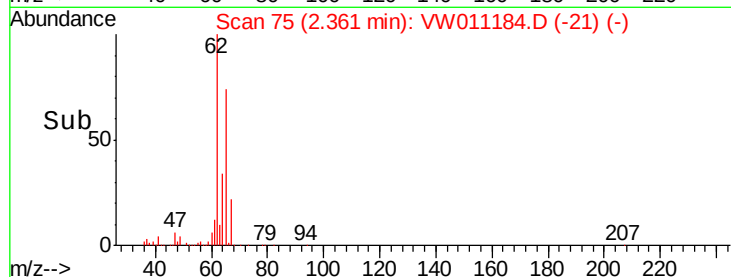
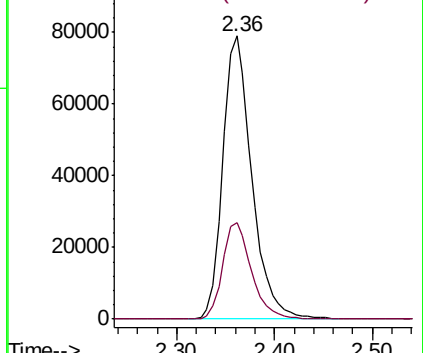
62 100

64 34.1 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 25.120 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011184.D

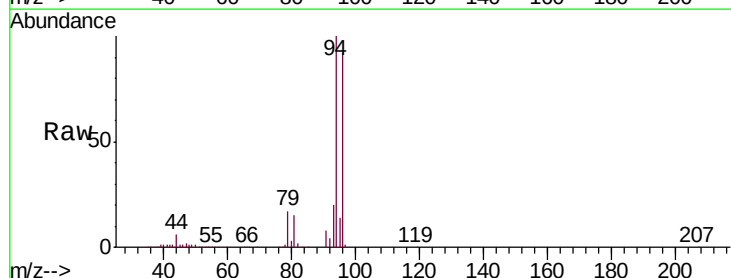
Acq: 10 Jul 2019 09:24

Tgt Ion: 94 Resp: 76177

Ion Ratio Lower Upper

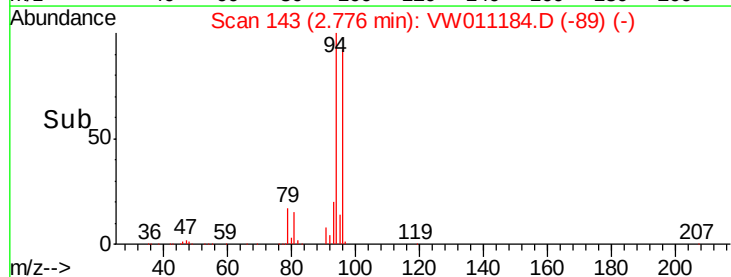
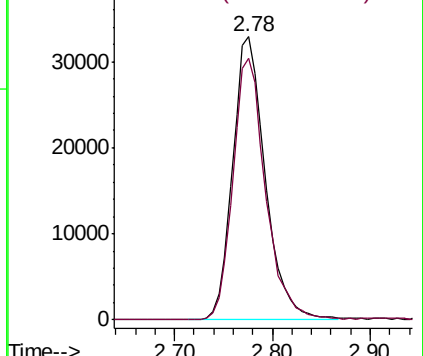
94 100

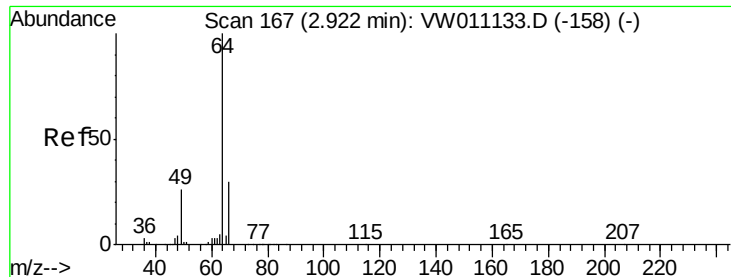
96 92.6 9.3 177.3



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 25.686 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011184.D

Acq: 10 Jul 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

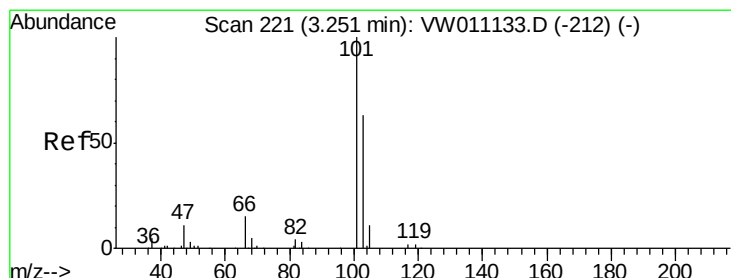
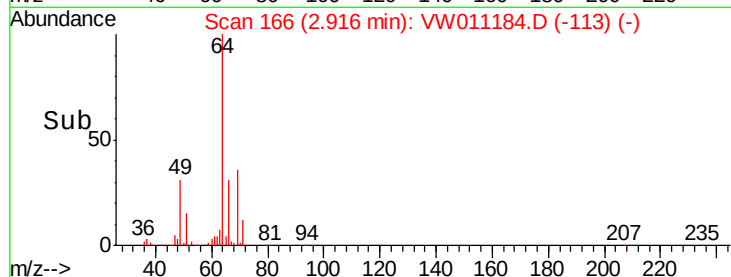
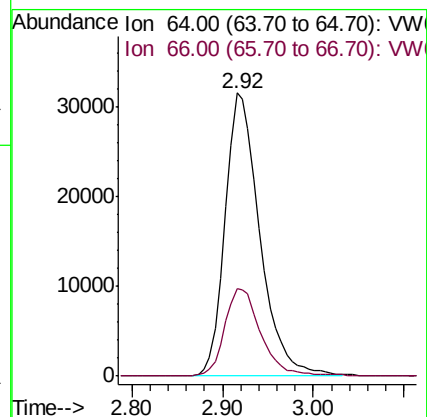
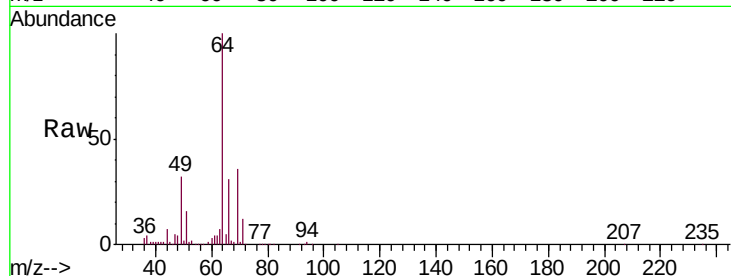
VSTD02517

Tgt Ion: 64 Resp: 84154

Ion Ratio Lower Upper

64 100

66 30.9 21.9 40.7



#9

Trichlorofluoromethane

Concen: 27.336 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.00 min

Lab File: VW011184.D

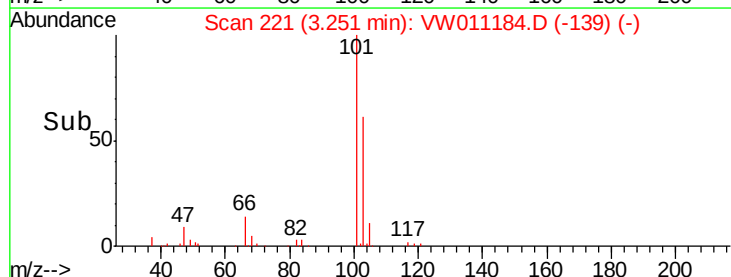
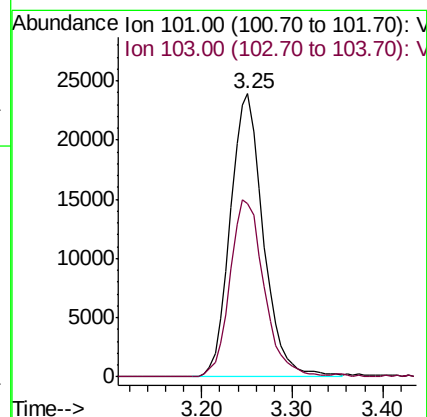
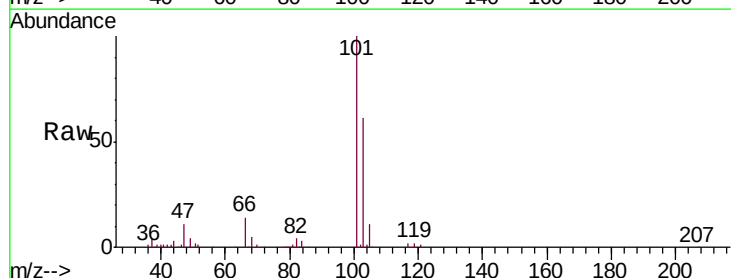
Acq: 10 Jul 2019 09:24

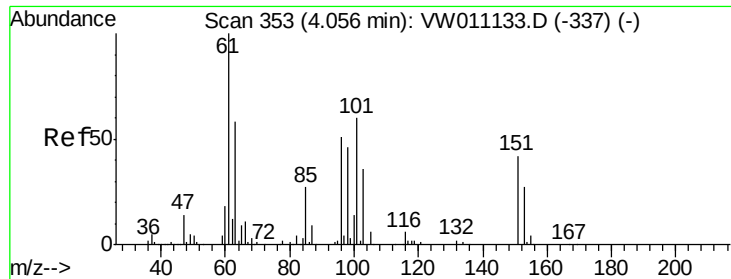
Tgt Ion: 101 Resp: 60669

Ion Ratio Lower Upper

101 100

103 64.2 44.6 82.8





#11

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

Concen: 26.111 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

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Acq: 10 Jul 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

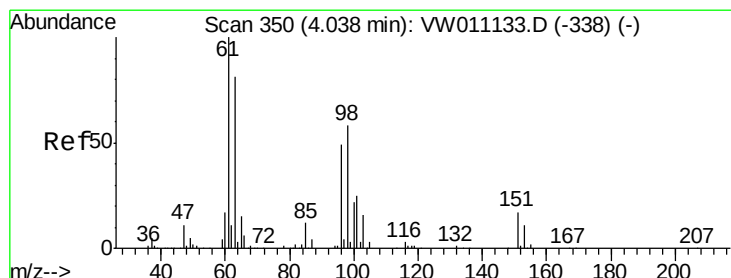
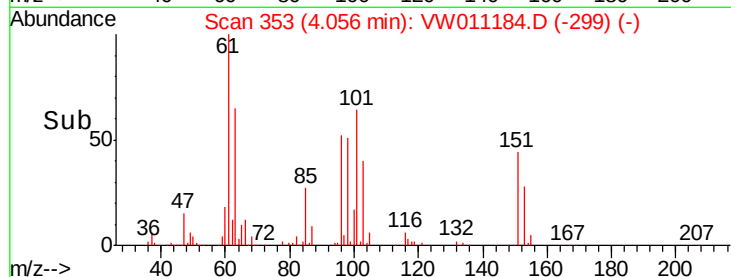
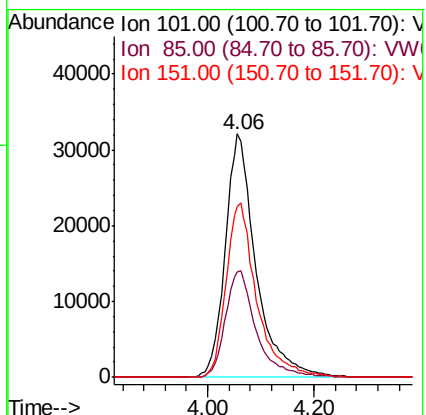
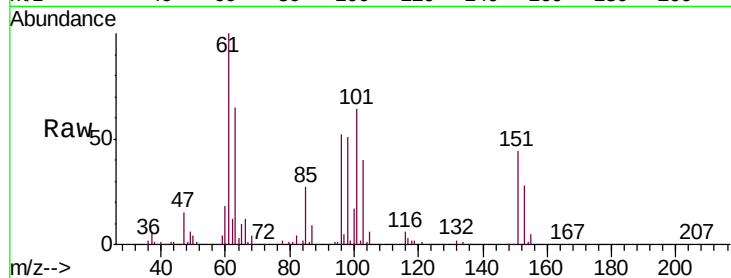
Tgt Ion:101 Resp: 129121

Ion Ratio Lower Upper

101 100

85 43.8 33.8 50.8

151 69.5 56.9 85.3



#12

1,1-Dichloroethene

Concen: 25.332 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW011184.D

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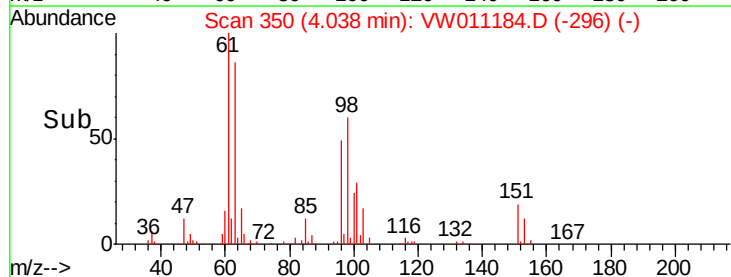
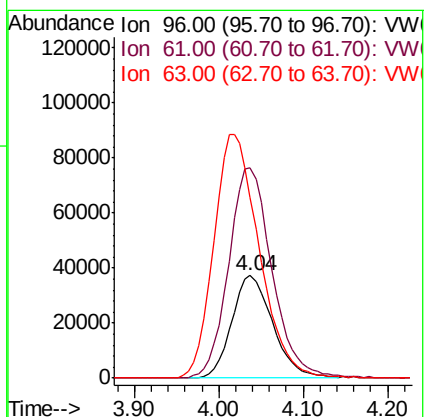
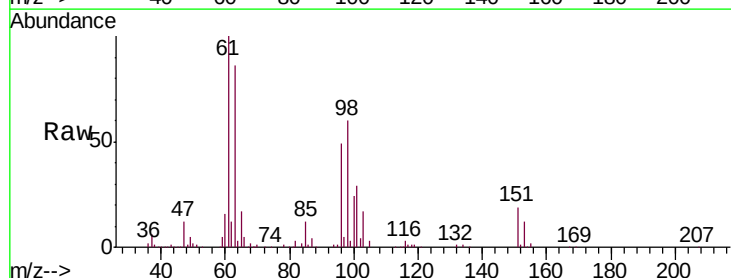
Tgt Ion: 96 Resp: 123815

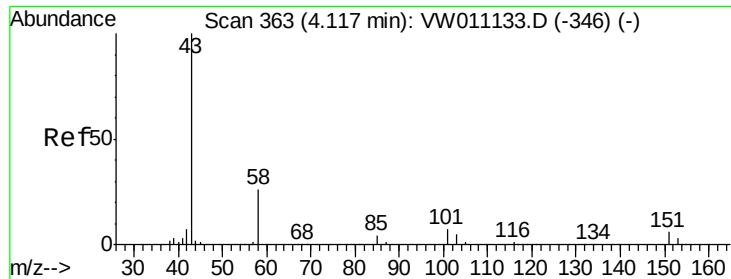
Ion Ratio Lower Upper

96 100

61 205.2 142.2 264.0

63 176.7 138.9 257.9





#13

Acetone

Concen: 42.968 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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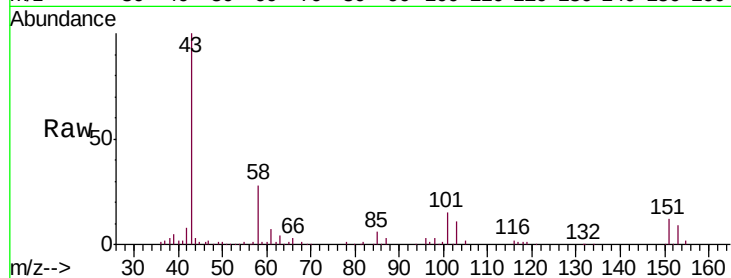
VSTD02517

Tgt Ion: 43 Resp: 93891

Ion Ratio Lower Upper

43 100

58 27.7 0.0 55.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

40000

30000

20000

10000

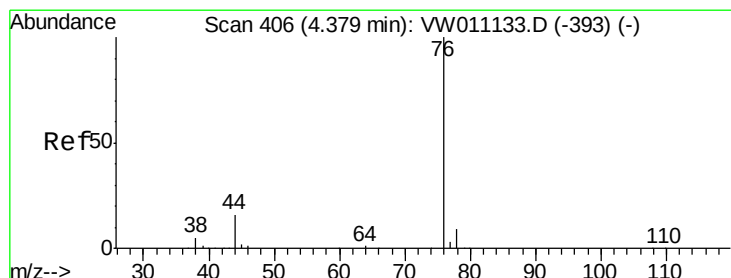
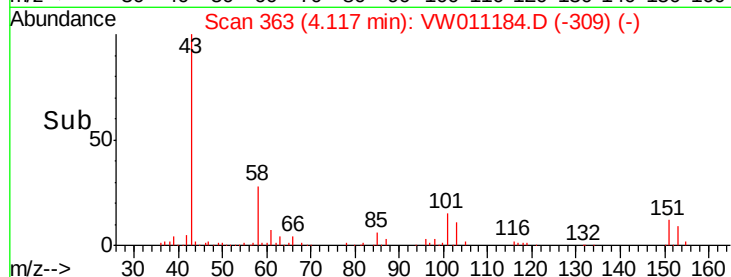
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Time-->

4.00

4.10

4.20



#14

Carbon disulfide

Concen: 25.601 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW011184.D

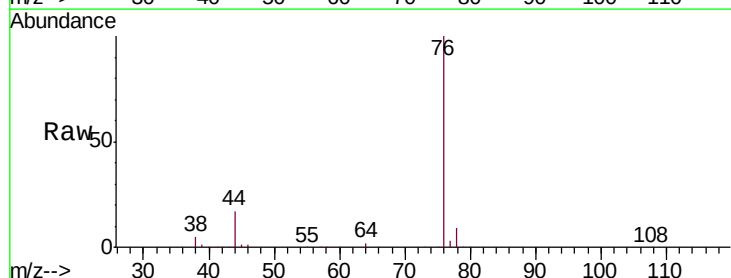
Acq: 10 Jul 2019 09:24

Tgt Ion: 76 Resp: 357949

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

120000

100000

80000

60000

40000

20000

0

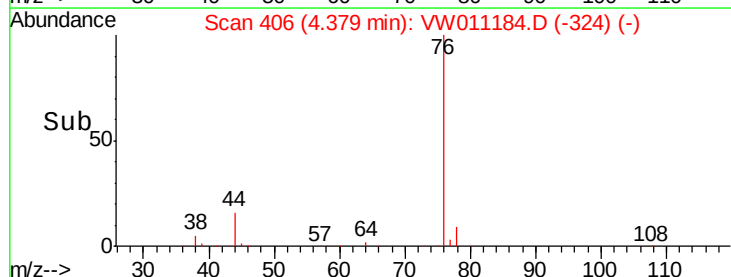
Time-->

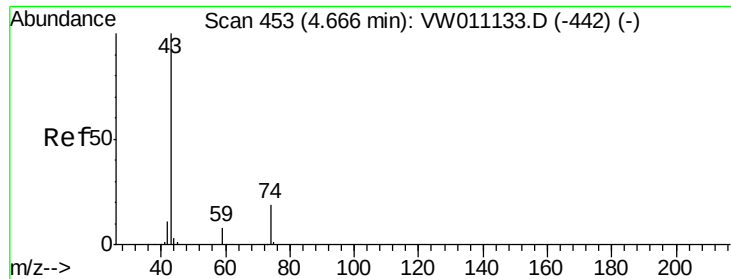
4.20

4.30

4.40

4.50

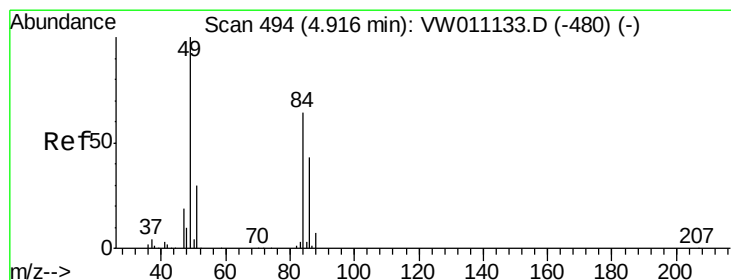
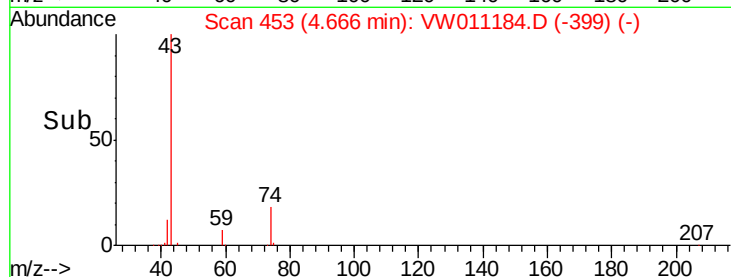
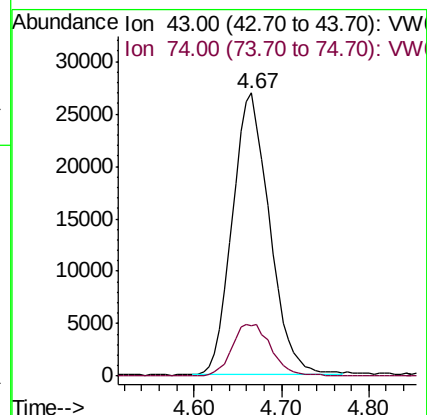
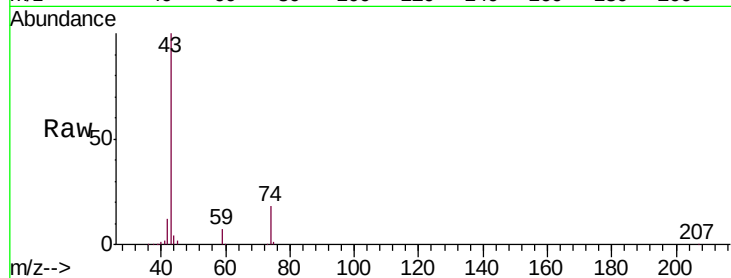




#15
Methyl Acetate
Concen: 22.369 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW011184.D
Acq: 10 Jul 2019 09:24

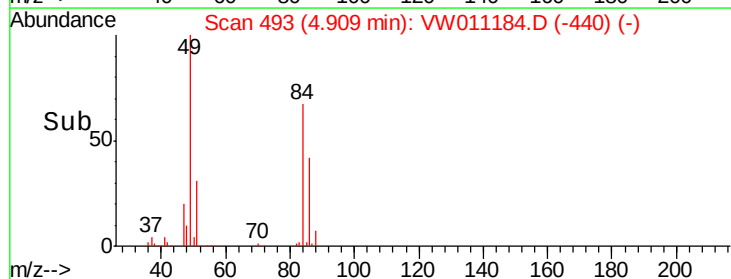
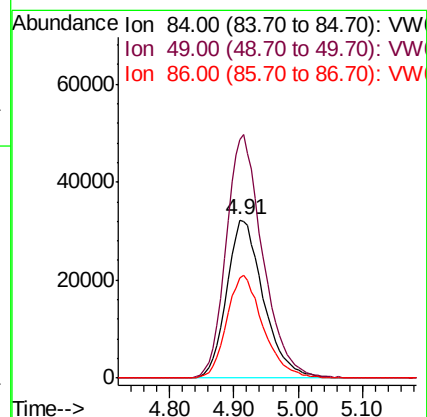
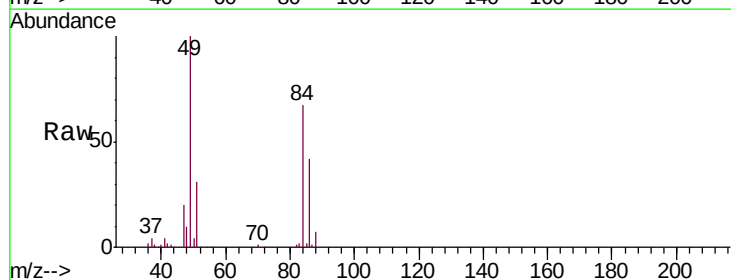
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

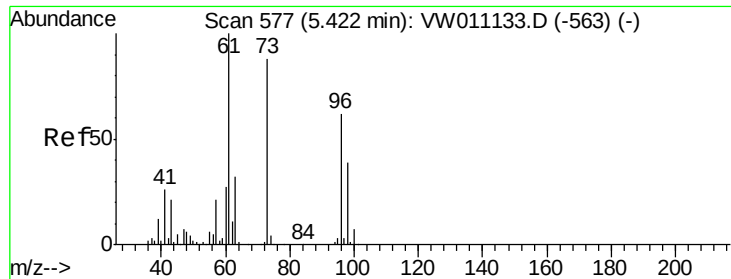
Tgt Ion: 43 Resp: 79536
Ion Ratio Lower Upper
43 100
74 10.5 15.1 22.7#



#16
Methylene chloride
Concen: 23.610 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011184.D
Acq: 10 Jul 2019 09:24

Tgt Ion: 84 Resp: 129041
Ion Ratio Lower Upper
84 100
49 150.3 102.5 190.3
86 63.7 46.4 86.2

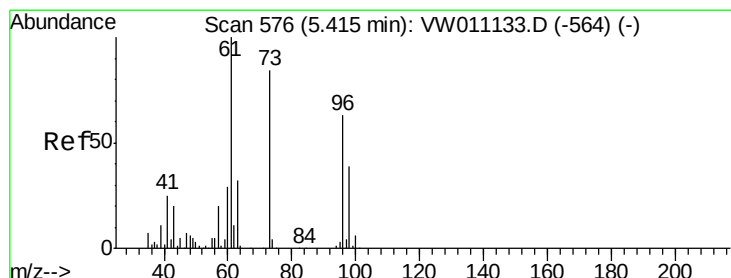
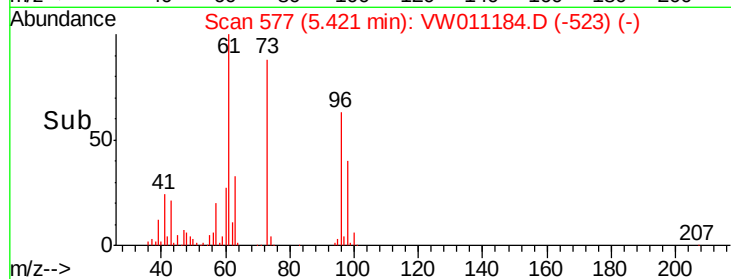
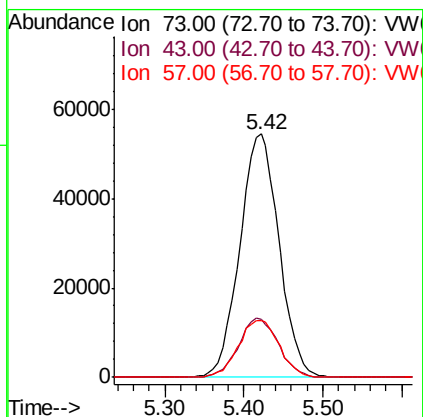
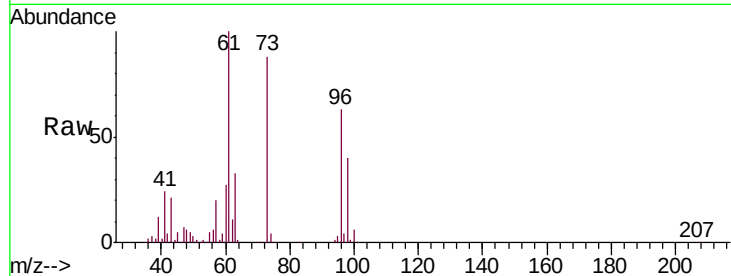




#17
Methyl tert-butyl Ether
Concen: 24.797 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011184.D
Acq: 10 Jul 2019 09:24

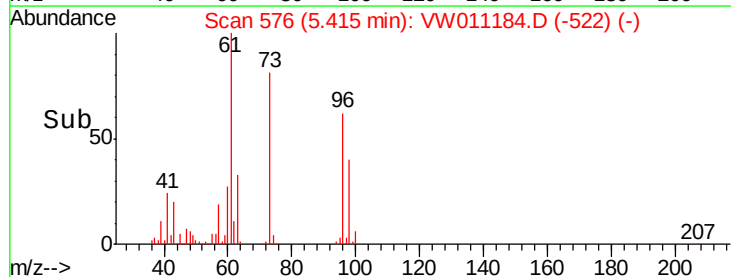
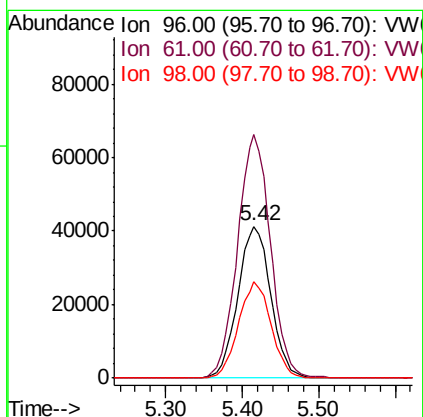
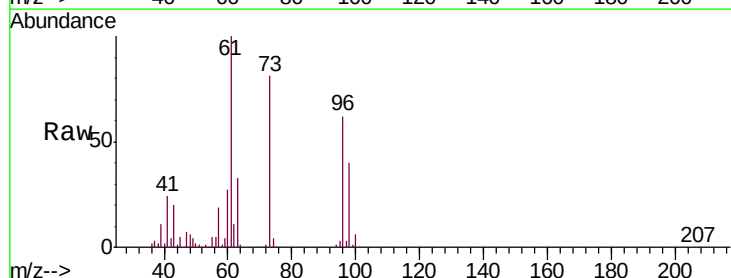
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

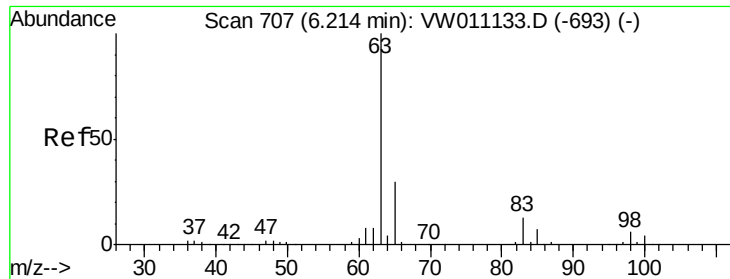
Tgt Ion: 73 Resp: 187957
Ion Ratio Lower Upper
73 100
43 24.7 20.2 30.2
57 24.5 19.6 29.4



#18
trans-1,2-Dichloroethene
Concen: 24.988 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW011184.D
Acq: 10 Jul 2019 09:24

Tgt Ion: 96 Resp: 123415
Ion Ratio Lower Upper
96 100
61 160.4 113.7 211.1
98 63.4 43.3 80.3

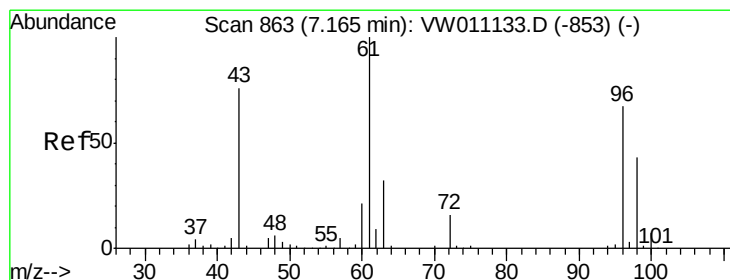
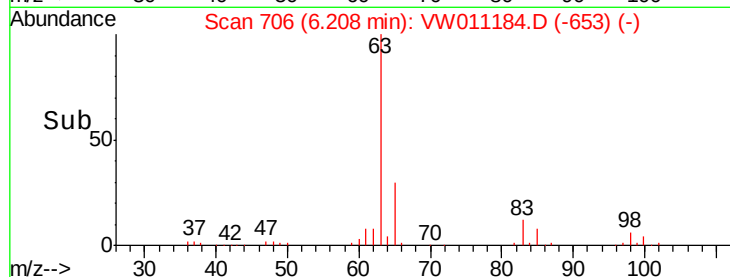
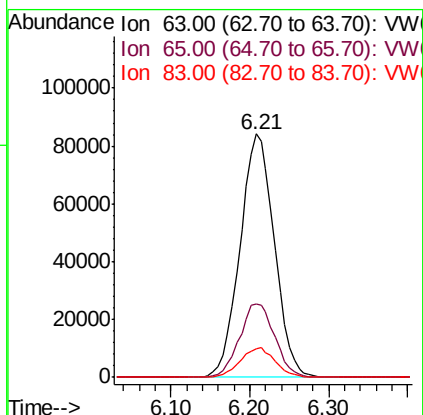
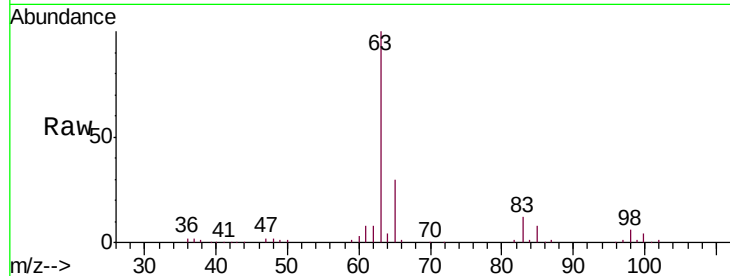




#19
 1,1-Dichloroethane
 Concen: 25.322 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW011184.D
 Acq: 10 Jul 2019 09:24

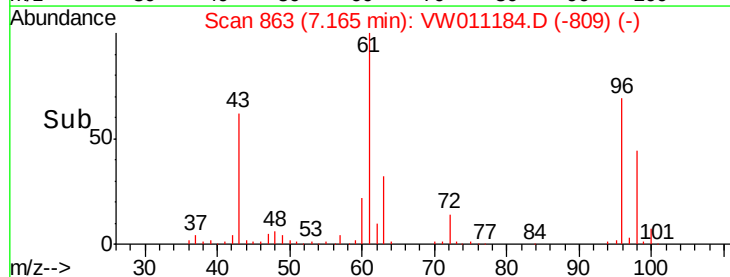
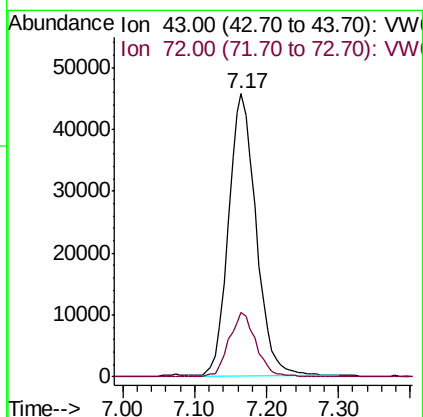
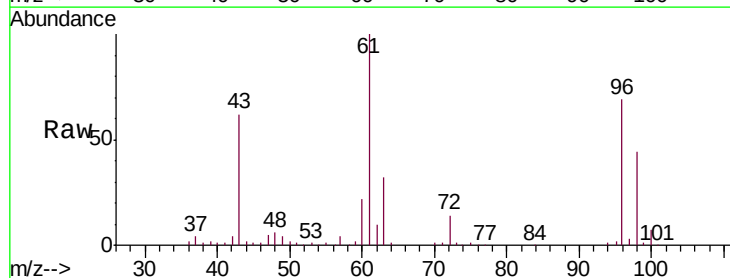
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

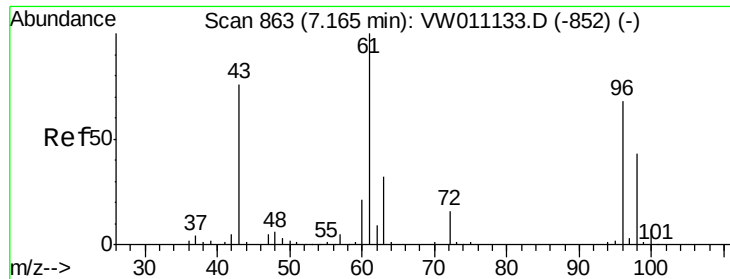
Tgt Ion: 63 Resp: 253896
 Ion Ratio Lower Upper
 63 100
 65 30.0 22.1 41.1
 83 11.8 9.0 16.6



#21
 2-Butanone
 Concen: 43.033 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW011184.D
 Acq: 10 Jul 2019 09:24

Tgt Ion: 43 Resp: 121390
 Ion Ratio Lower Upper
 43 100
 72 22.2 11.2 33.6



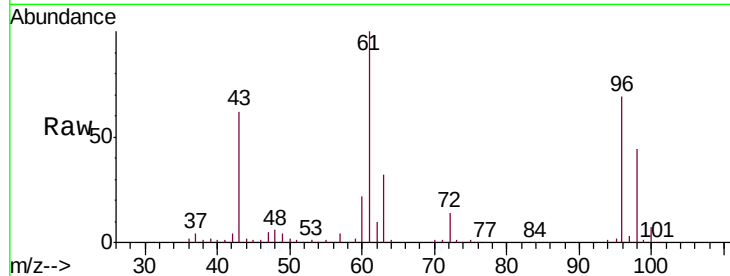


#22

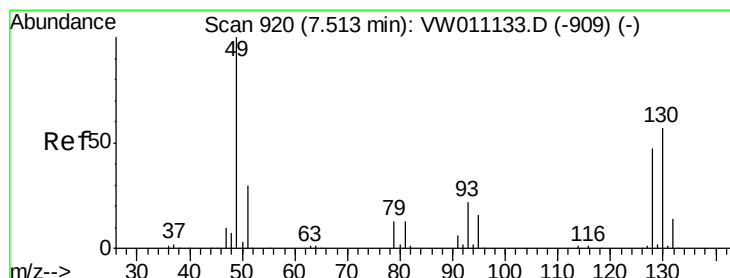
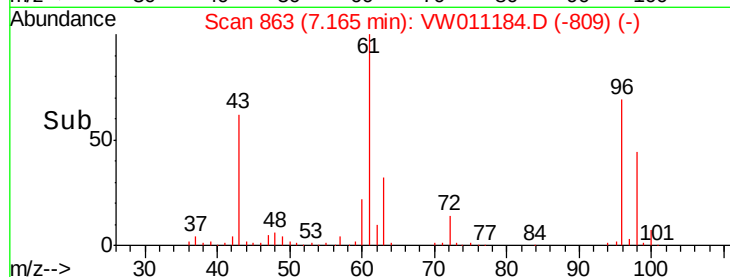
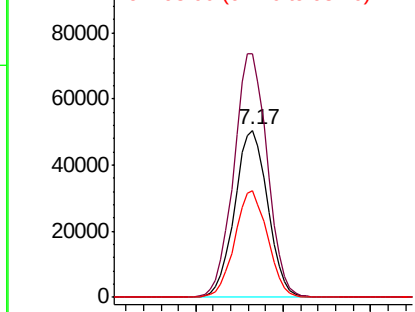
cis-1,2-Dichloroethene
Concen: 24.918 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011184.D
Acq: 10 Jul 2019 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

Tgt Ion: 96 Resp: 133219
Ion Ratio Lower Upper
96 100
61 145.6 103.2 191.6
98 63.6 44.8 83.2



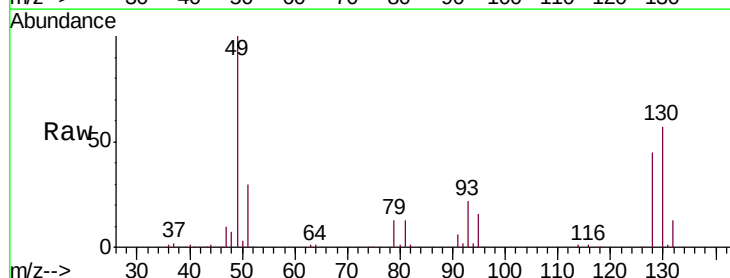
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



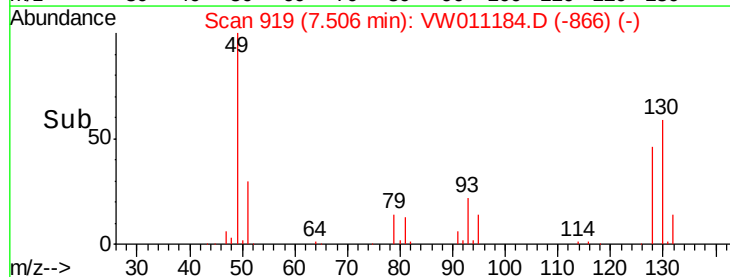
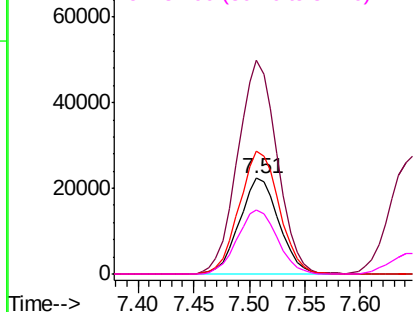
#23

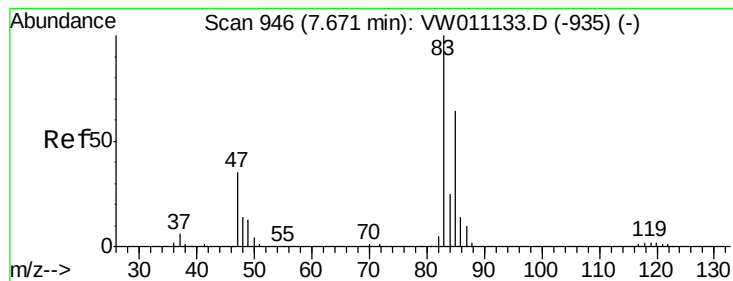
Bromochloromethane
Concen: 24.524 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW011184.D
Acq: 10 Jul 2019 09:24

Tgt Ion: 128 Resp: 55014
Ion Ratio Lower Upper
128 100
49 223.6 153.8 285.6
130 128.4 86.4 160.4
51 67.2 56.2 84.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 25.158 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW011184.D

Acq: 10 Jul 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

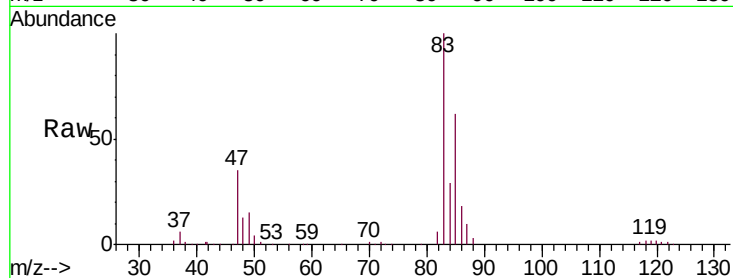
VSTD02517

Tgt Ion: 83 Resp: 238937

Ion Ratio Lower Upper

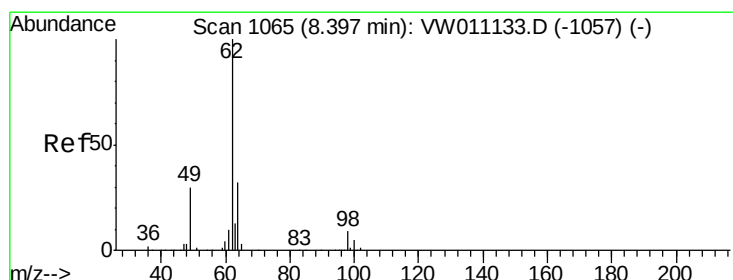
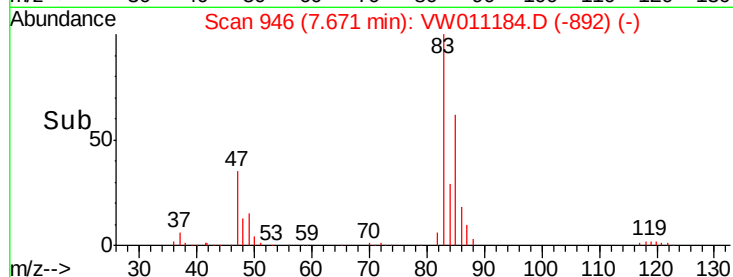
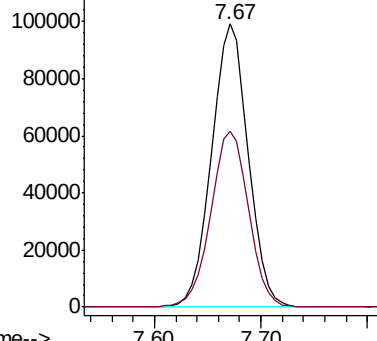
83 100

85 64.4 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 24.018 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011184.D

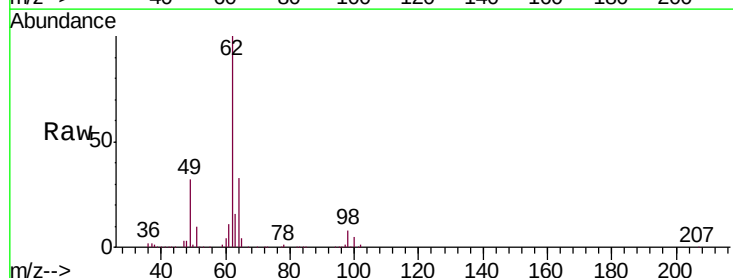
Acq: 10 Jul 2019 09:24

Tgt Ion: 62 Resp: 174370

Ion Ratio Lower Upper

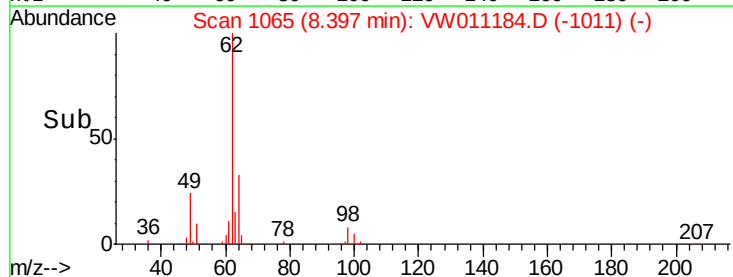
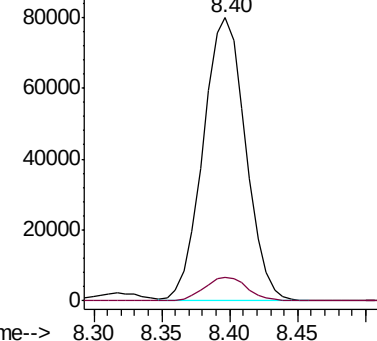
62 100

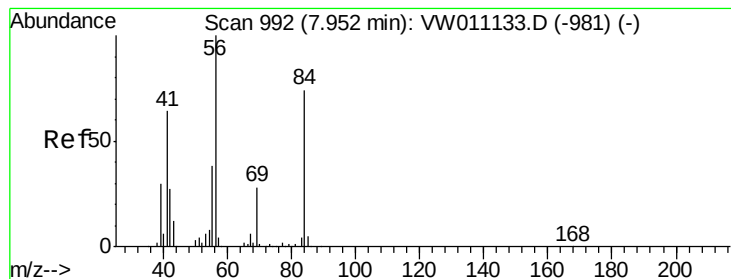
98 8.4 6.6 10.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 25.428 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011184.D

Acq: 10 Jul 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

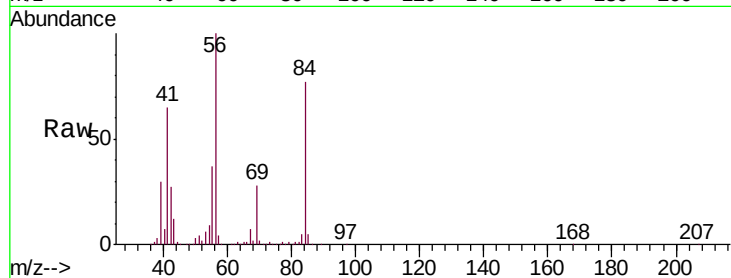
Tgt Ion: 56 Resp: 256286

Ion Ratio Lower Upper

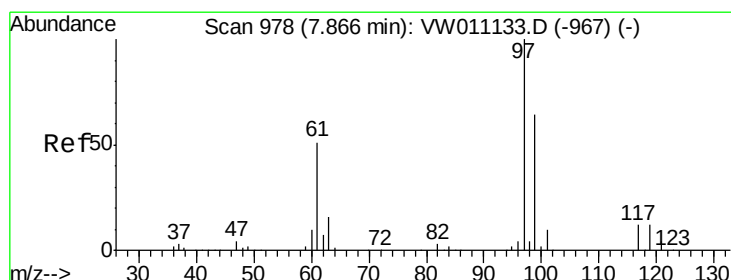
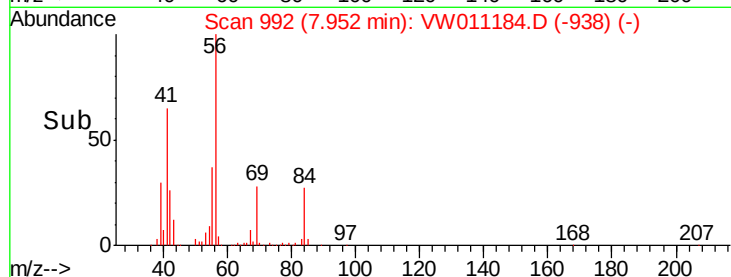
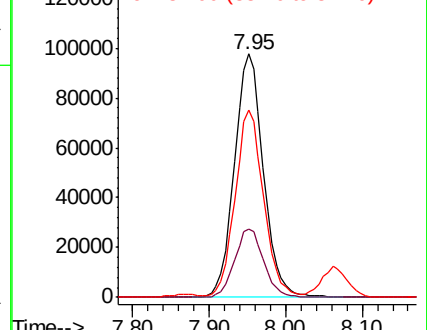
56 100

69 28.2 22.5 33.7

84 75.6 60.9 91.3



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



#31

1,1,1-Trichloroethane

Concen: 26.160 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW011184.D

Acq: 10 Jul 2019 09:24

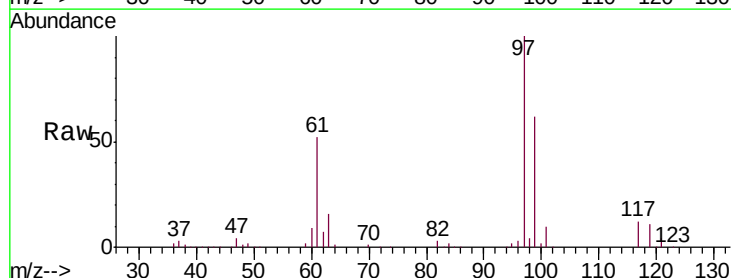
Tgt Ion: 97 Resp: 179984

Ion Ratio Lower Upper

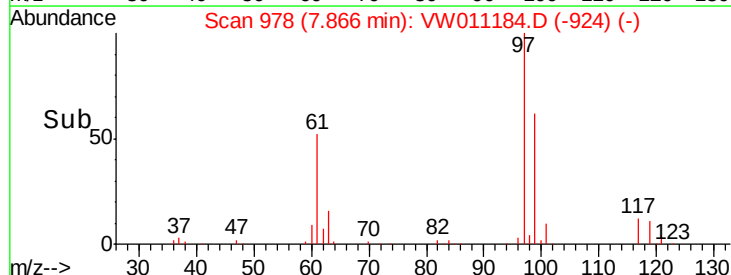
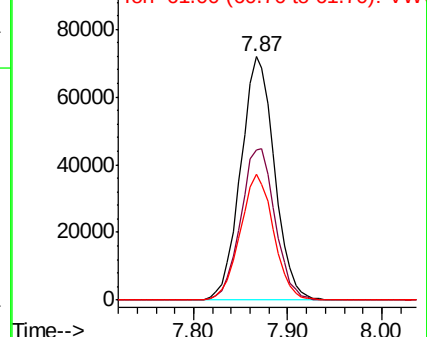
97 100

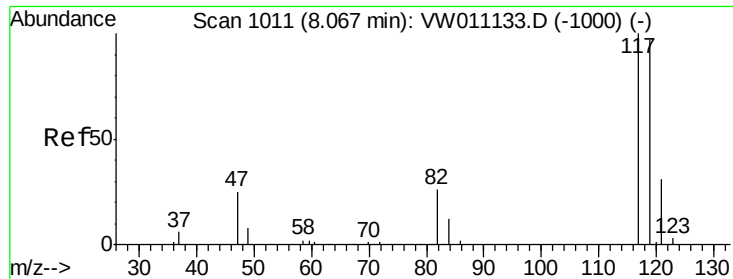
99 63.4 50.6 75.8

61 51.2 40.9 61.3



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





#32

Carbon tetrachloride

Concen: 26.117 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW011184.D

Acq: 10 Jul 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

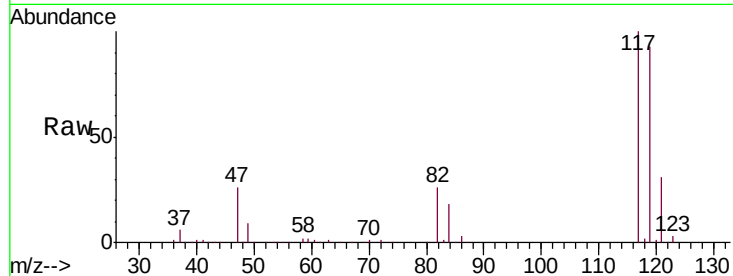
VSTD02517

Tgt Ion:117 Resp: 168521

Ion Ratio Lower Upper

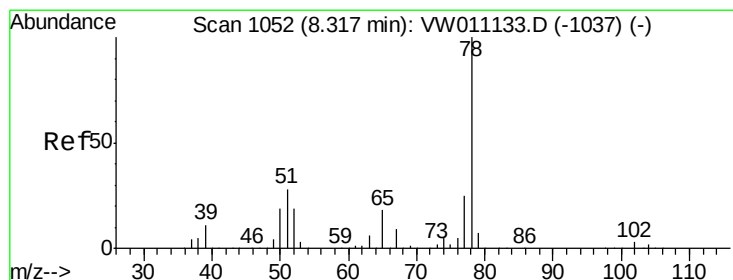
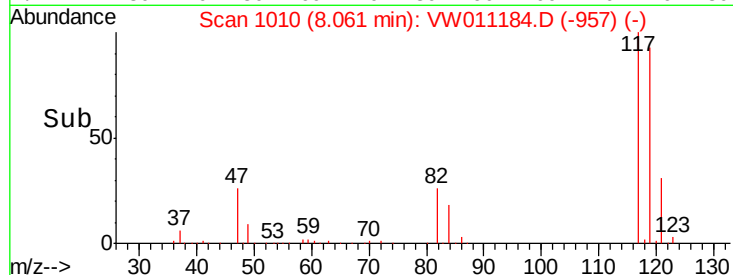
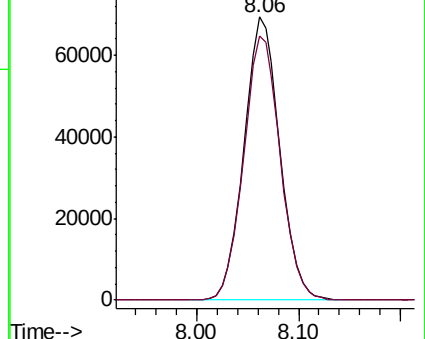
117 100

119 95.7 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.555 ug/L

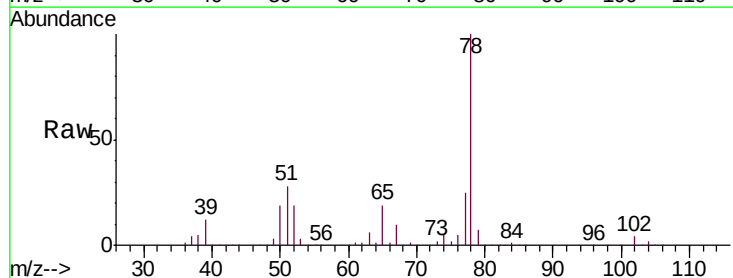
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

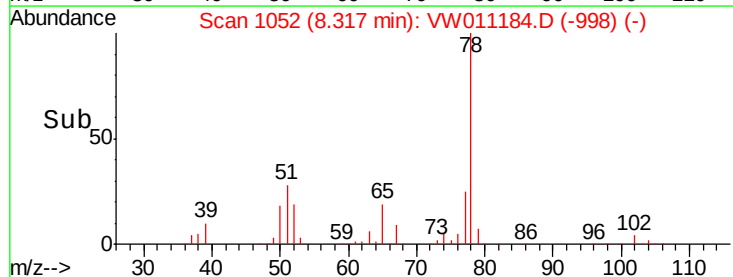
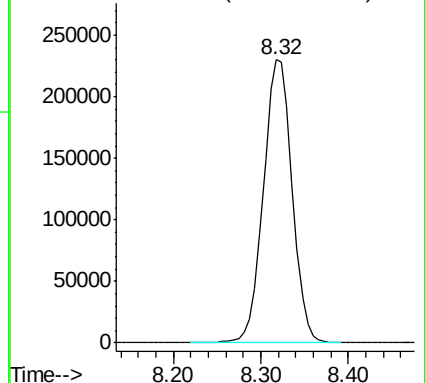
Lab File: VW011184.D

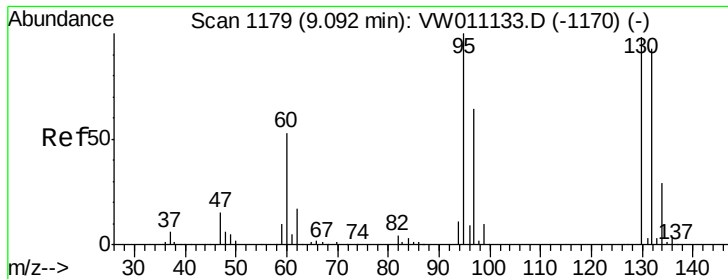
Acq: 10 Jul 2019 09:24

Tgt Ion: 78 Resp: 529442



Abundance Ion 78.00 (77.70 to 78.70): VW

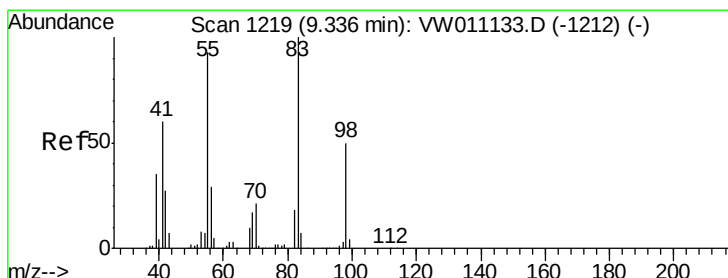
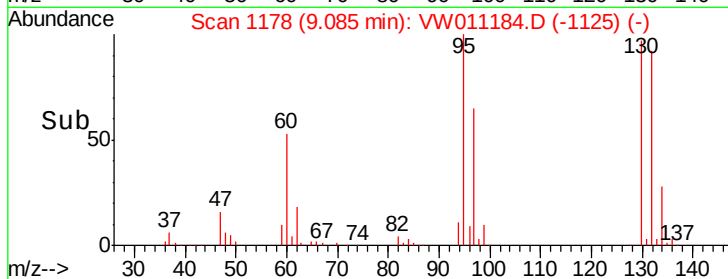
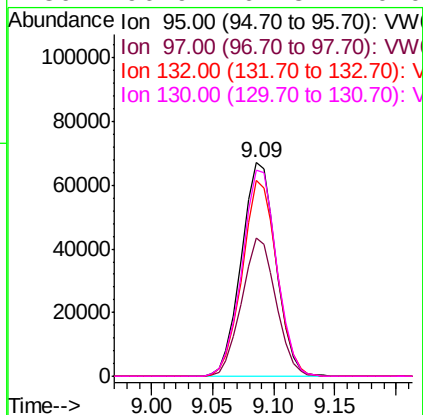
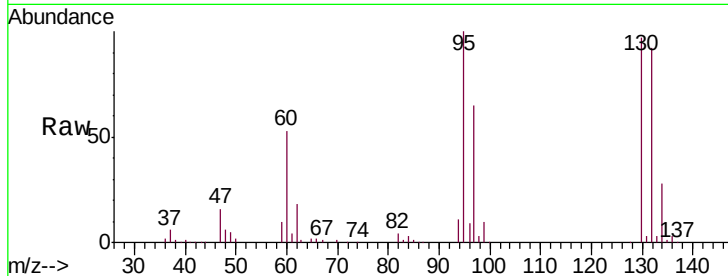




#35
 Trichloroethene
 Concen: 25.265 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW011184.D
 Acq: 10 Jul 2019 09:24

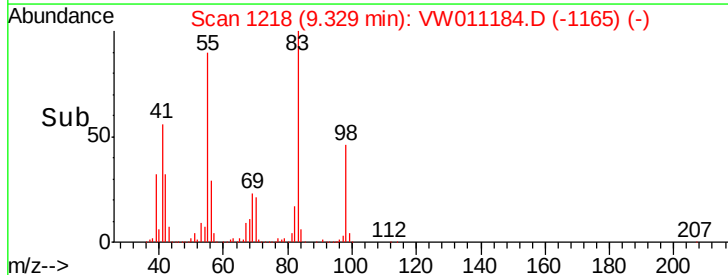
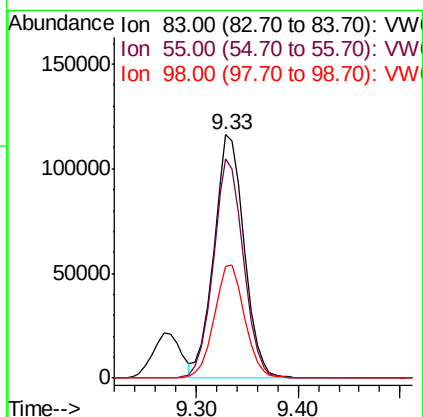
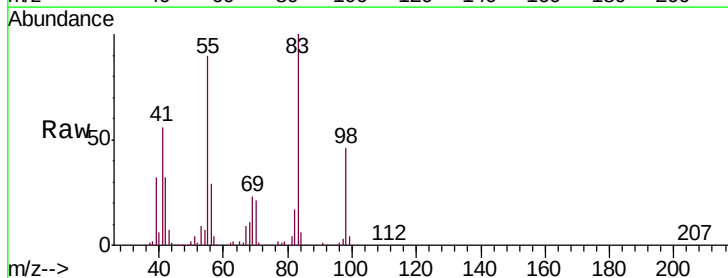
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02517

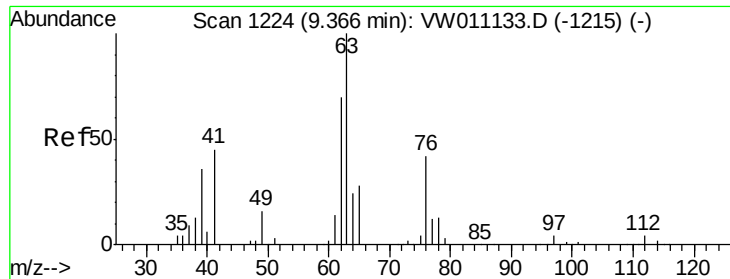
Tgt Ion:	95	Resp:	132090
Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.4	84.2
132	91.4	65.0	120.8
130	96.9	67.8	126.0



#36
 Methylcyclohexane
 Concen: 25.629 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW011184.D
 Acq: 10 Jul 2019 09:24

Tgt Ion:	83	Resp:	241136
Ion	Ratio	Lower	Upper
83	100		
55	89.5	72.2	108.4
98	46.5	38.2	57.4

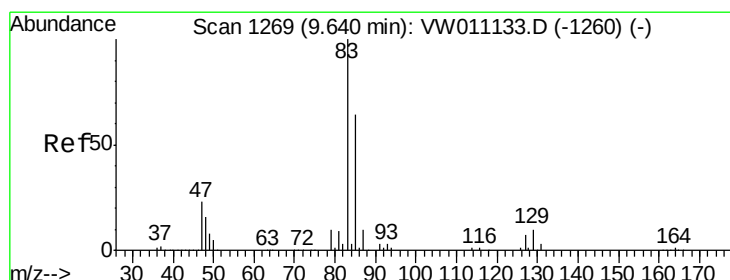
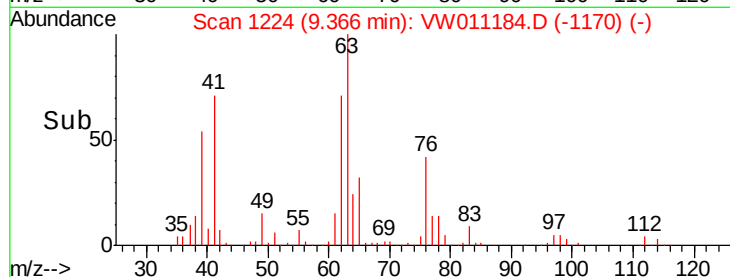
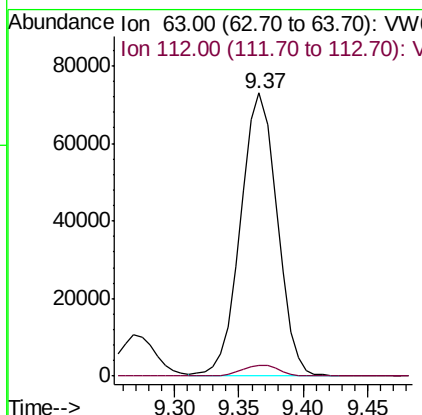
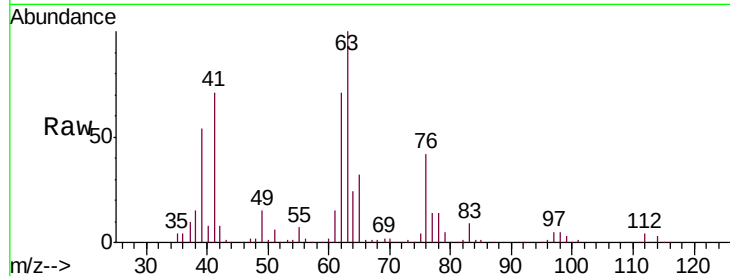




#40
 1,2-Dichloropropane
 Concen: 25.309 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011184.D
 Acq: 10 Jul 2019 09:24

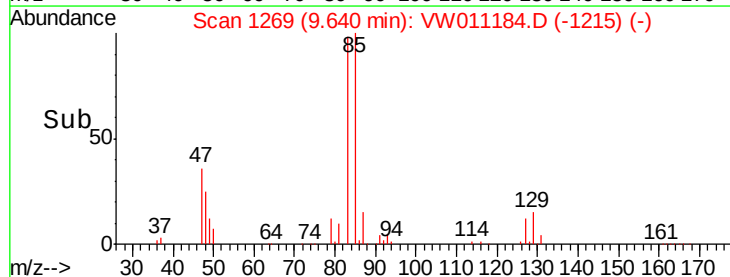
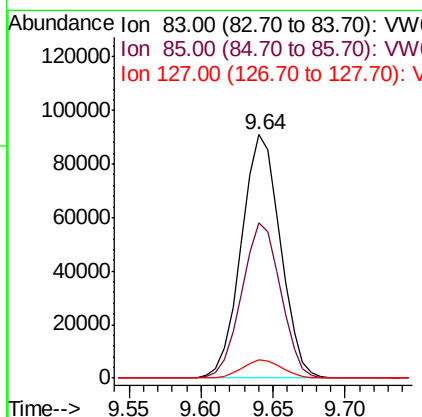
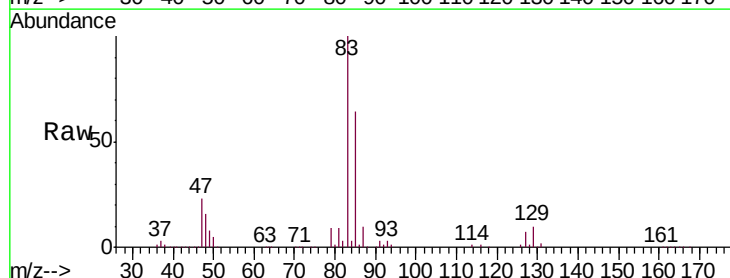
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

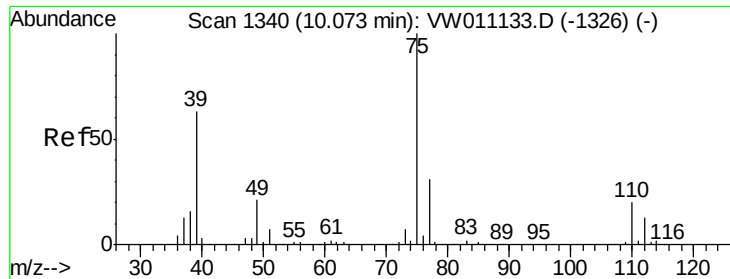
Tgt Ion: 63 Resp: 143686
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.6



#41
 Bromodichloromethane
 Concen: 26.043 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW011184.D
 Acq: 10 Jul 2019 09:24

Tgt Ion: 83 Resp: 170461
 Ion Ratio Lower Upper
 83 100
 85 64.0 45.5 84.5
 127 7.4 5.8 8.8





#42

cis-1,3-Dichloropropene

Concen: 26.171 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW011184.D

Acq: 10 Jul 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

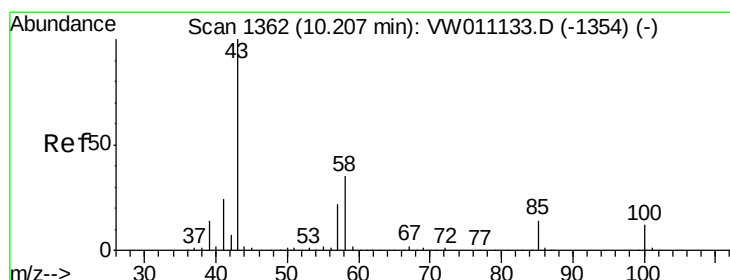
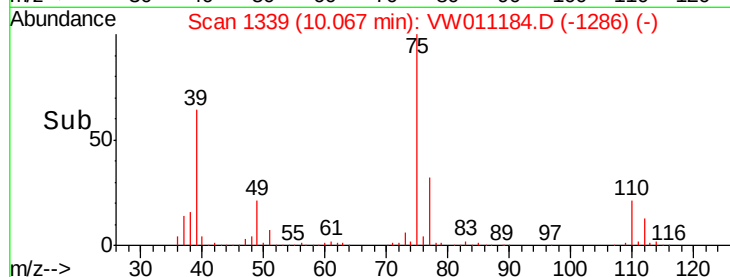
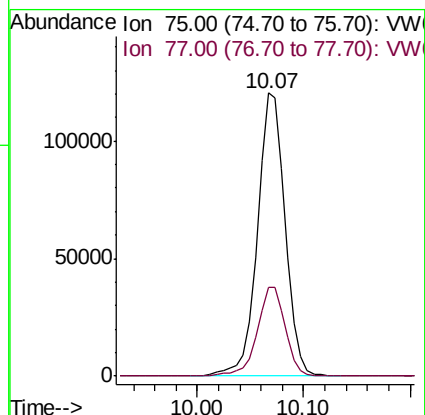
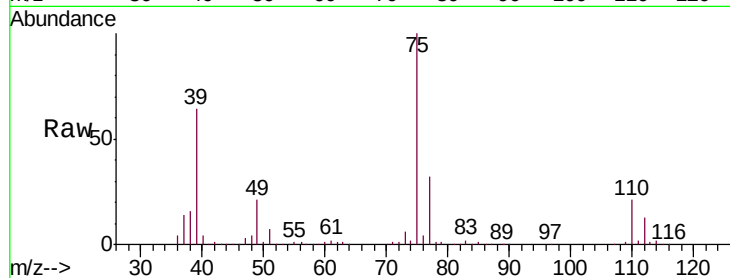
VSTD02517

Tgt Ion: 75 Resp: 219223

Ion Ratio Lower Upper

75 100

77 31.6 21.1 39.1



#43

4-Methyl-2-pentanone

Concen: 45.596 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011184.D

Acq: 10 Jul 2019 09:24

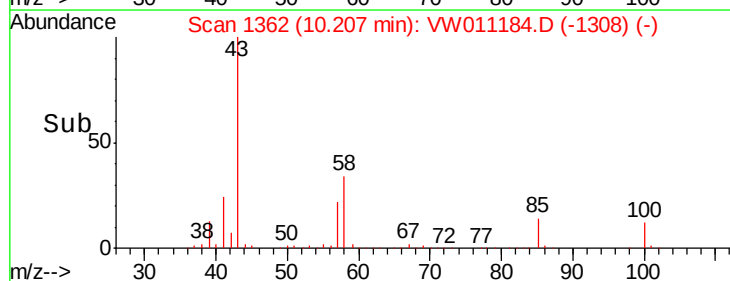
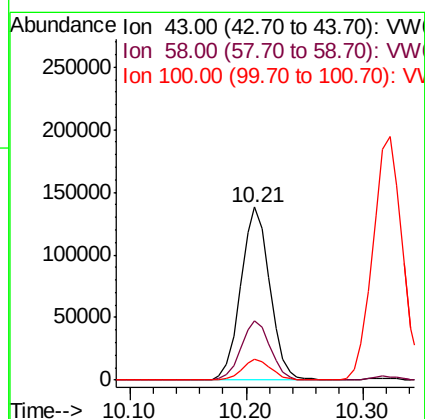
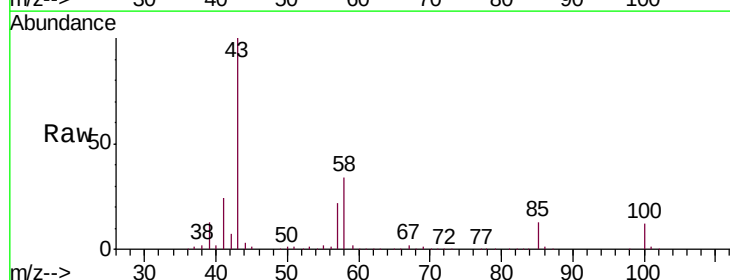
Tgt Ion: 43 Resp: 239961

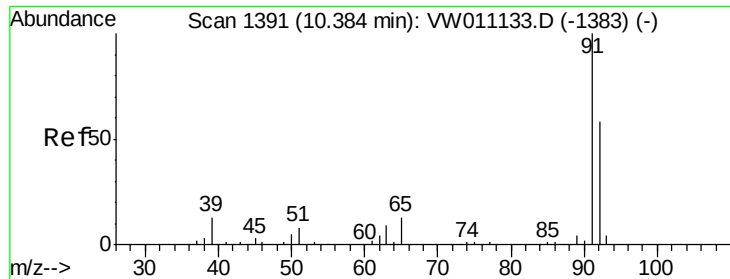
Ion Ratio Lower Upper

43 100

58 34.5 28.1 42.1

100 12.1 9.3 13.9





#44

Toluene

Concen: 25.722 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011184.D

Acq: 10 Jul 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

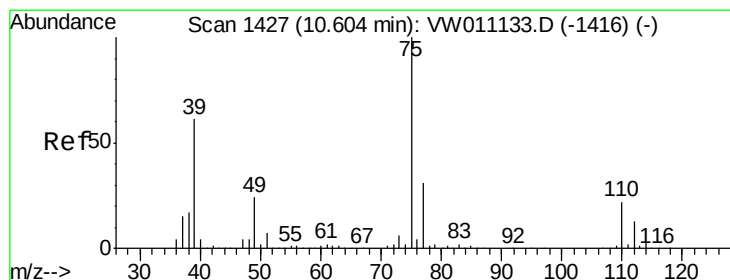
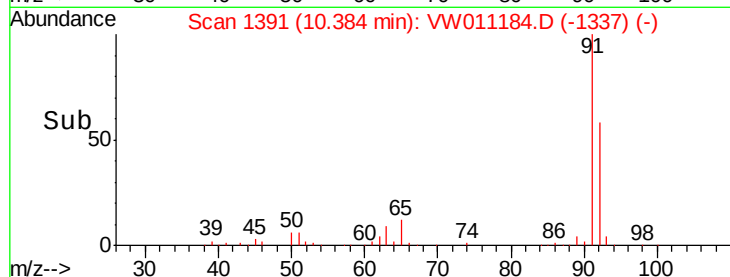
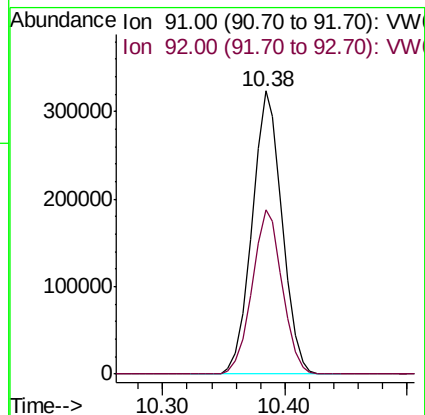
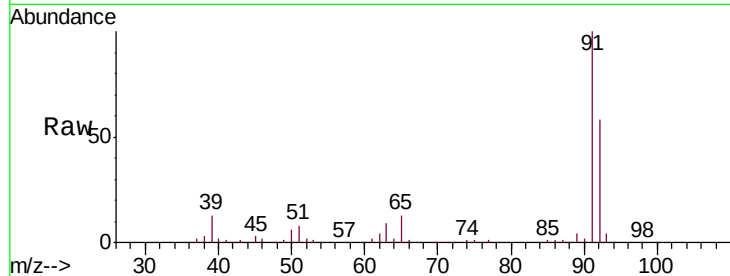
VSTD02517

Tgt Ion: 91 Resp: 551598

Ion Ratio Lower Upper

91 100

92 58.2 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 25.879 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011184.D

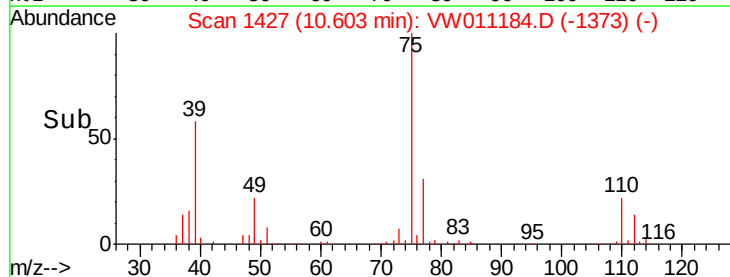
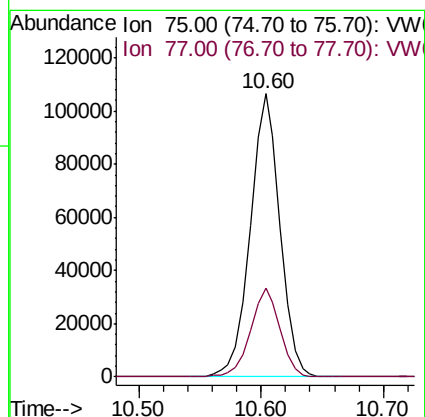
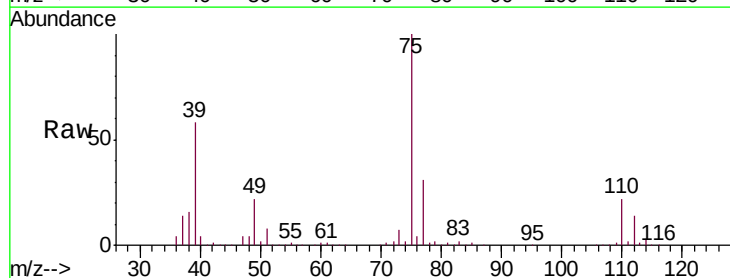
Acq: 10 Jul 2019 09:24

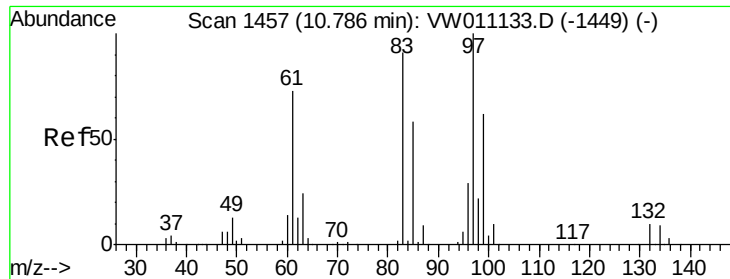
Tgt Ion: 75 Resp: 179367

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.5





#46

1,1,2-Trichloroethane

Concen: 24.477 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011184.D

Acq: 10 Jul 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

Tgt Ion: 97 Resp: 96231

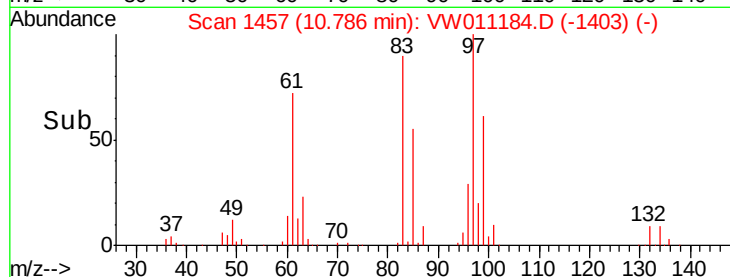
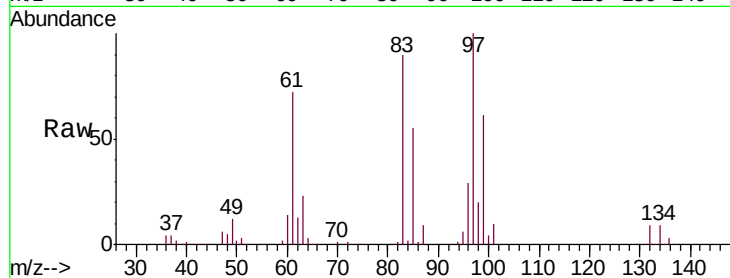
Ion Ratio Lower Upper

97 100

83 89.5 63.1 117.3

85 55.4 39.0 72.4

99 61.4 41.5 77.1



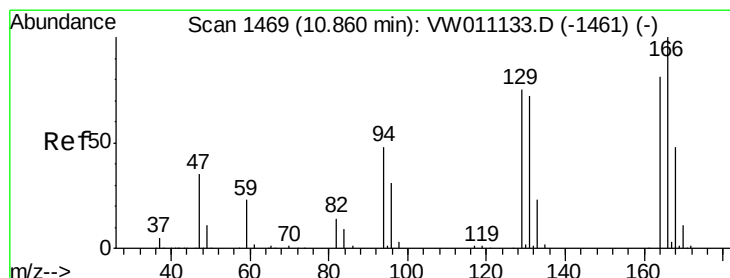
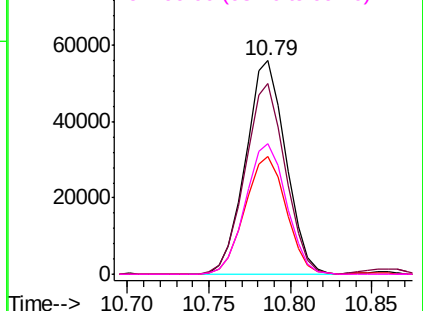
Abundance

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: 25.322 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW011184.D

Acq: 10 Jul 2019 09:24

Tgt Ion: 164 Resp: 100055

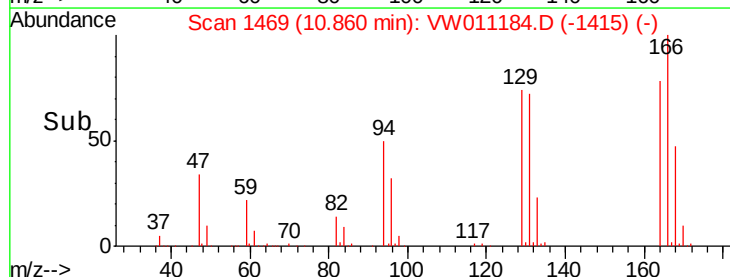
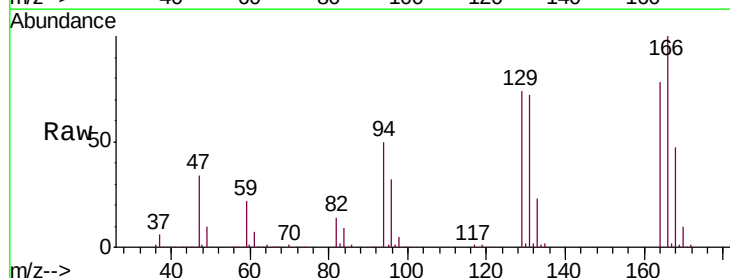
Ion Ratio Lower Upper

164 100

129 94.5 68.5 127.1

131 92.2 64.8 120.4

166 128.2 87.9 163.3



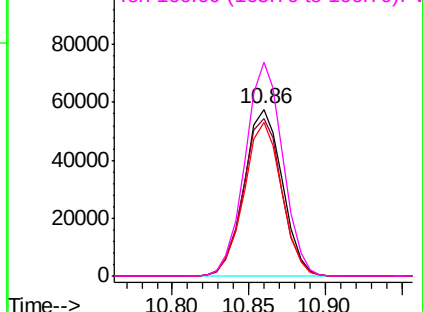
Abundance

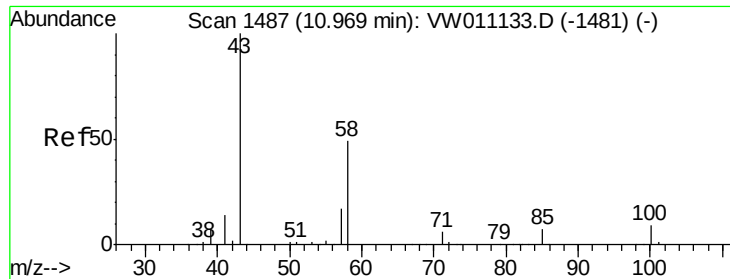
Ion 164.00 (163.70 to 164.70): V

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: 47.720 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW011184.D

Acq: 10 Jul 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

Tgt Ion: 43 Resp: 182803

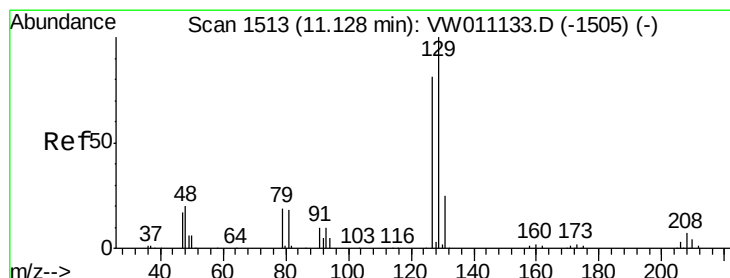
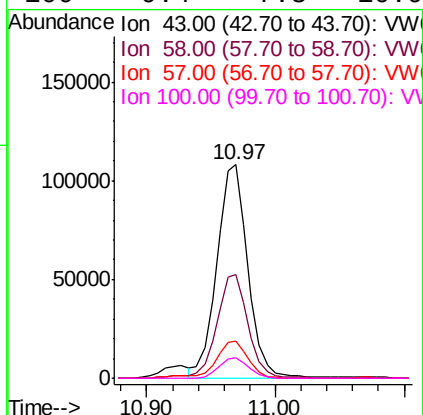
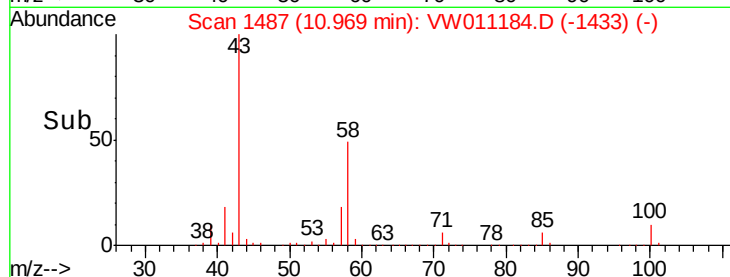
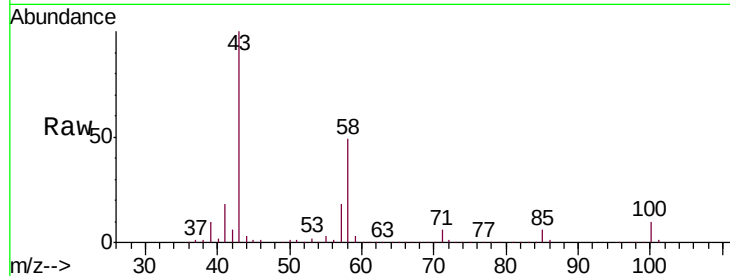
Ion Ratio Lower Upper

43 100

58 48.5 38.4 57.6

57 17.2 13.3 19.9

100 9.4 7.3 10.9



#50

Dibromochloromethane

Concen: 25.906 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW011184.D

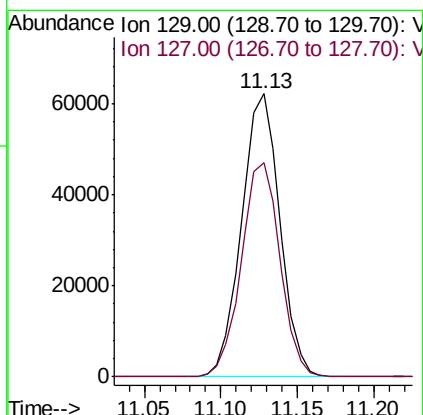
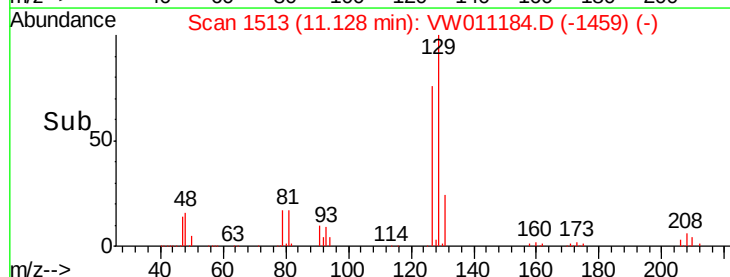
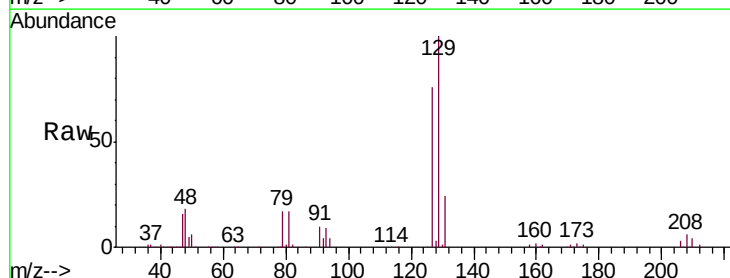
Acq: 10 Jul 2019 09:24

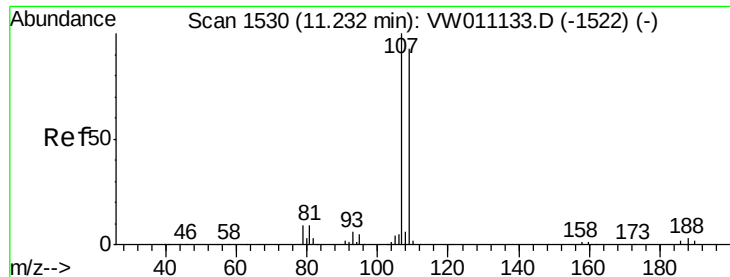
Tgt Ion: 129 Resp: 108456

Ion Ratio Lower Upper

129 100

127 75.6 53.3 99.1

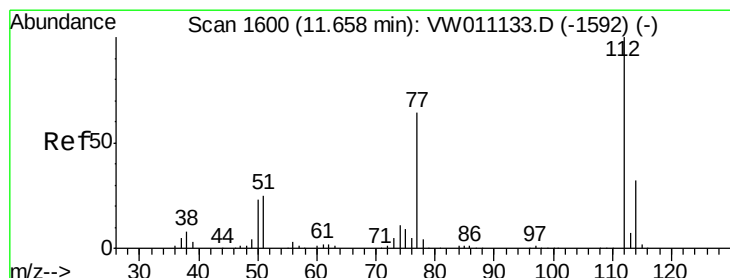
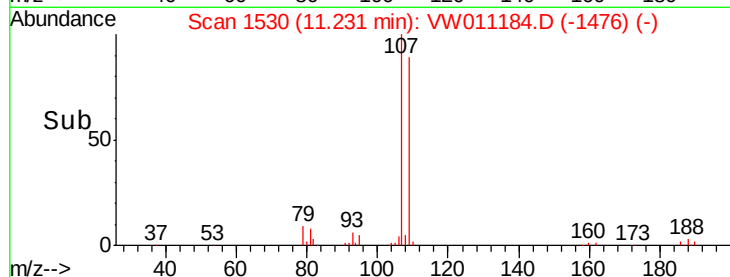
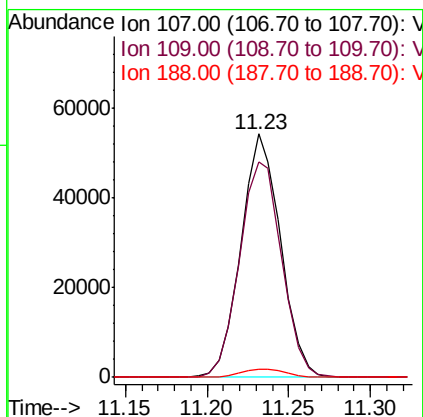
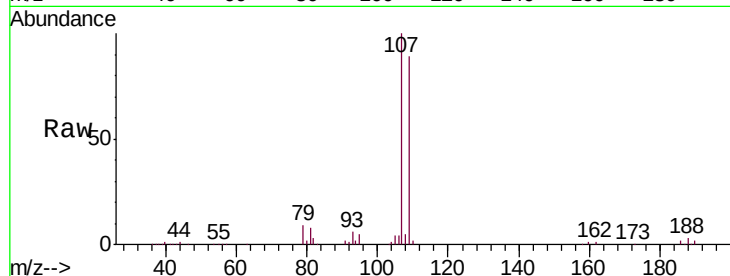




#51
1,2-Dibromoethane
Concen: 24.129 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW011184.D
Acq: 10 Jul 2019 09:24

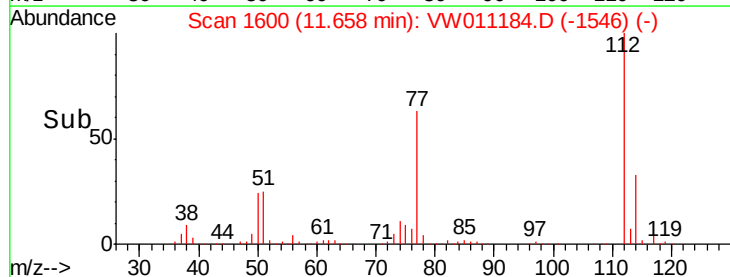
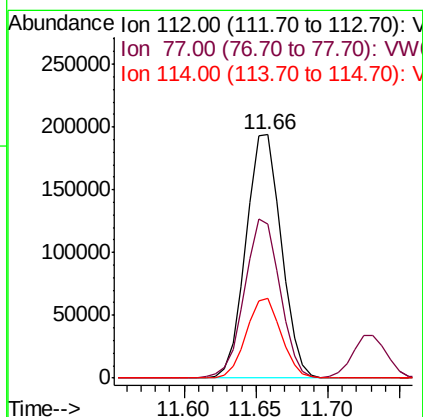
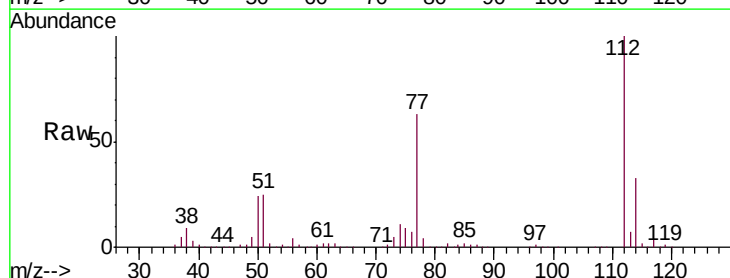
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

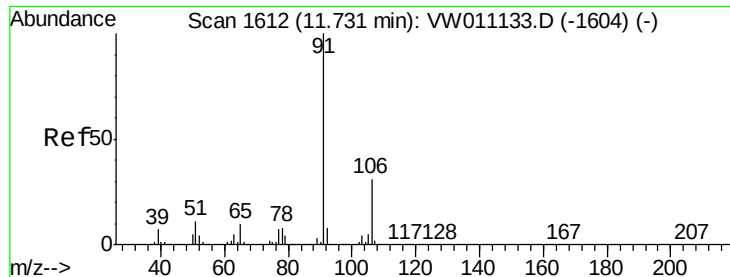
Tgt Ion:107 Resp: 91599
Ion Ratio Lower Upper
107 100
109 88.6 64.3 119.3
188 3.5 3.2 4.8



#52
Chlorobenzene
Concen: 25.142 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011184.D
Acq: 10 Jul 2019 09:24

Tgt Ion:112 Resp: 329395
Ion Ratio Lower Upper
112 100
77 63.3 51.2 76.8
114 32.7 22.0 40.8

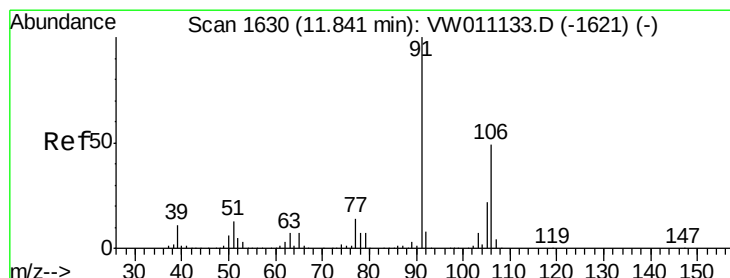
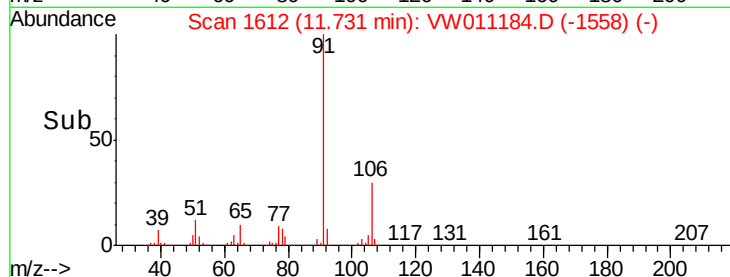
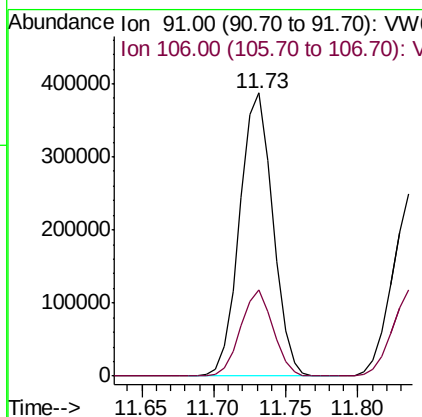
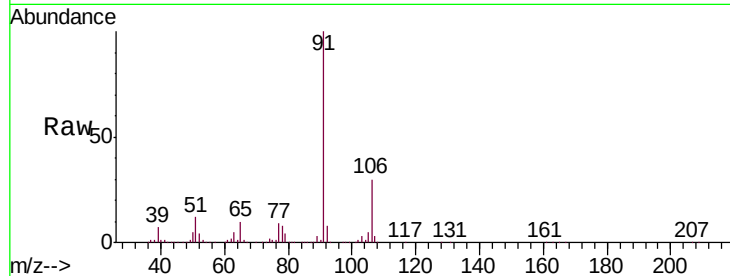




#53
Ethylbenzene
Concen: 25.489 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011184.D
Acq: 10 Jul 2019 09:24

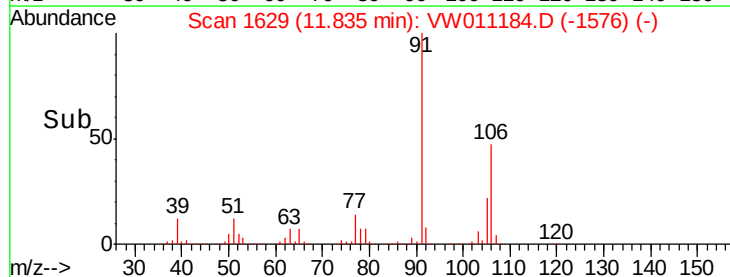
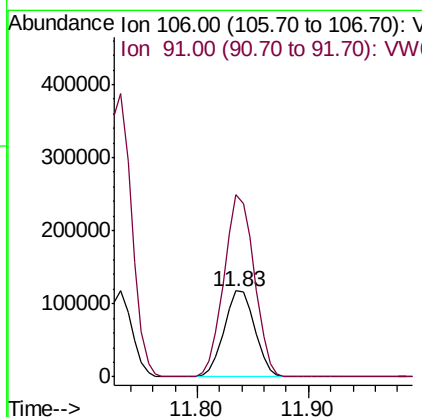
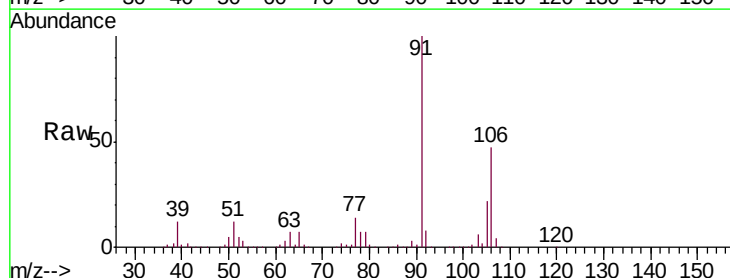
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

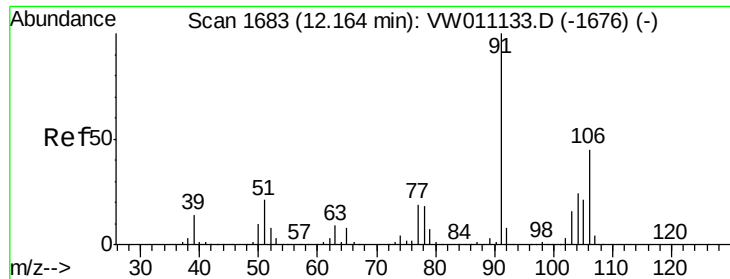
Tgt Ion: 91 Resp: 619990
Ion Ratio Lower Upper
91 100
106 30.5 20.6 38.4



#54
m,p-Xylene
Concen: 25.590 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW011184.D
Acq: 10 Jul 2019 09:24

Tgt Ion: 106 Resp: 225998
Ion Ratio Lower Upper
106 100
91 211.0 142.6 264.8

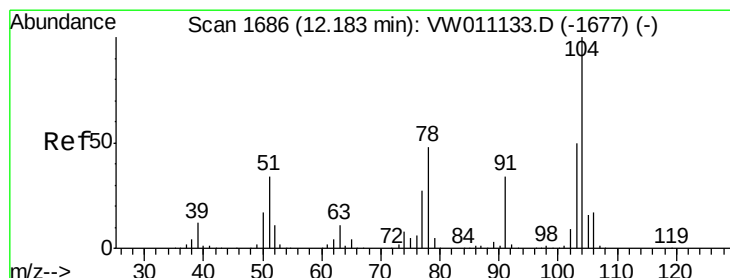
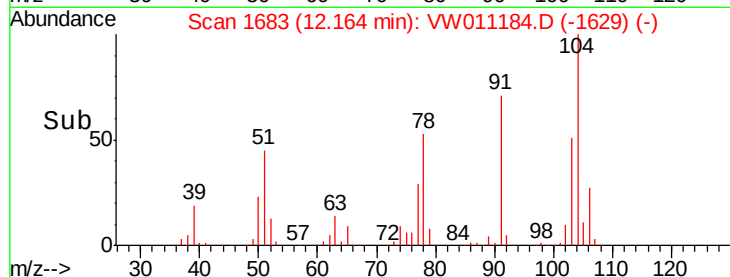
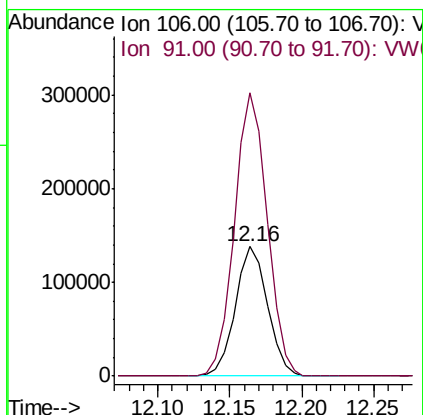
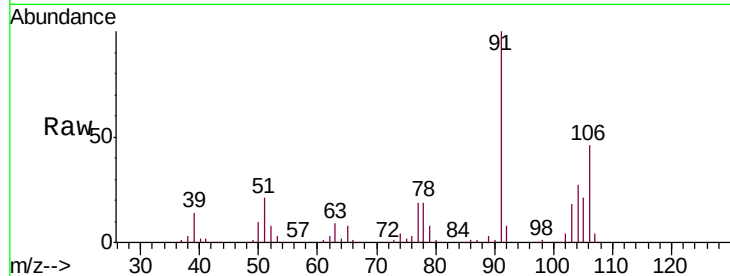




#55
o-xylene
Concen: 25.703 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011184.D
Acq: 10 Jul 2019 09:24

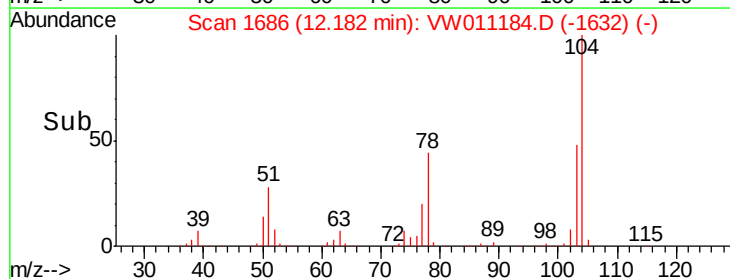
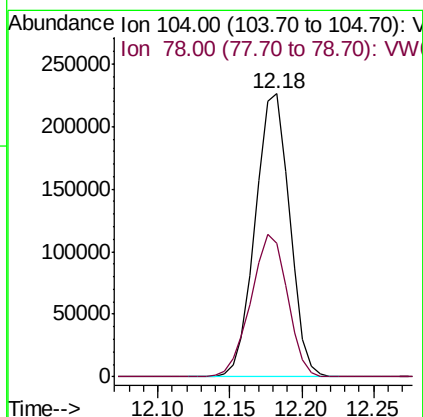
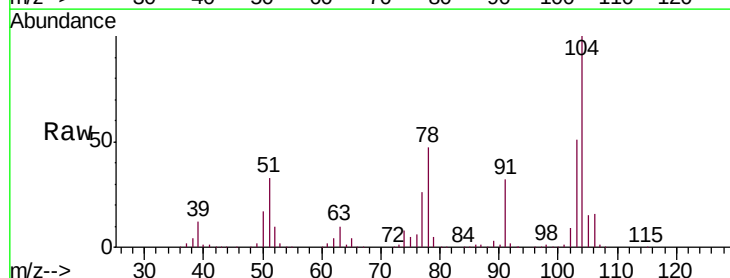
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

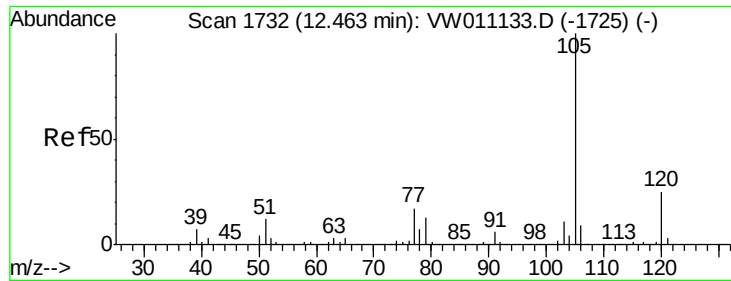
Tgt Ion:106 Resp: 215936
Ion Ratio Lower Upper
106 100
91 219.1 154.6 287.2



#56
Styrene
Concen: 25.902 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011184.D
Acq: 10 Jul 2019 09:24

Tgt Ion:104 Resp: 373303
Ion Ratio Lower Upper
104 100
78 47.0 33.7 62.7





#57

Isopropylbenzene

Concen: 26.011 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011184.D

Acq: 10 Jul 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

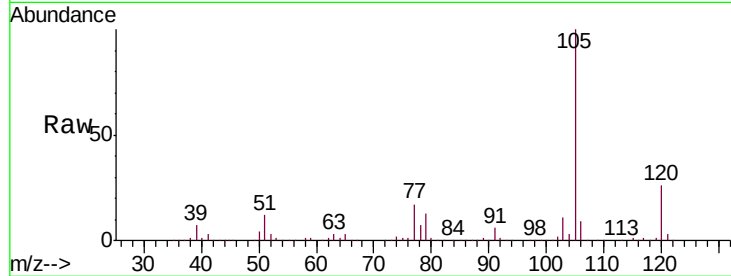
Tgt Ion: 105 Resp: 596519

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

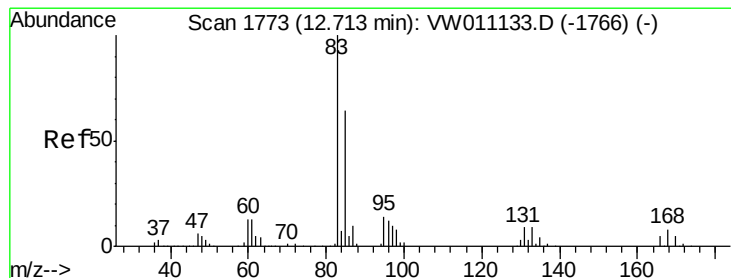
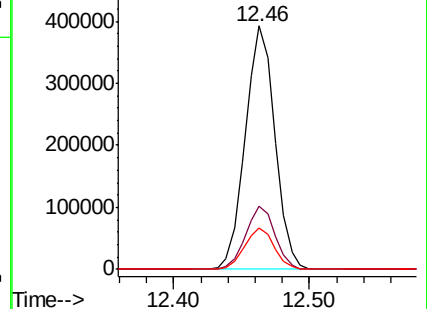
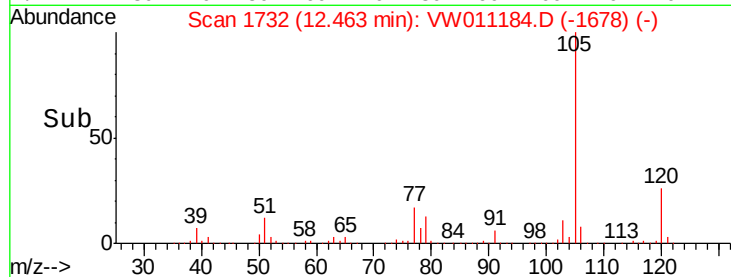
77 17.0 13.5 20.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 23.959 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011184.D

Acq: 10 Jul 2019 09:24

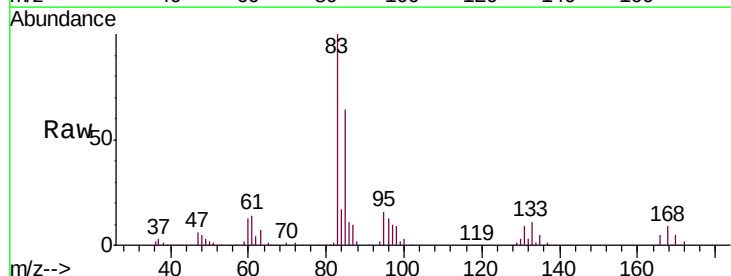
Tgt Ion: 83 Resp: 125312

Ion Ratio Lower Upper

83 100

85 64.3 44.0 81.6

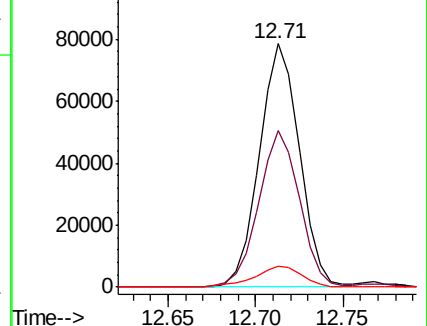
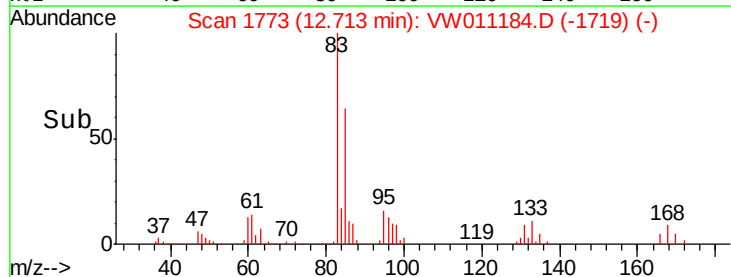
131 8.6 6.7 10.1

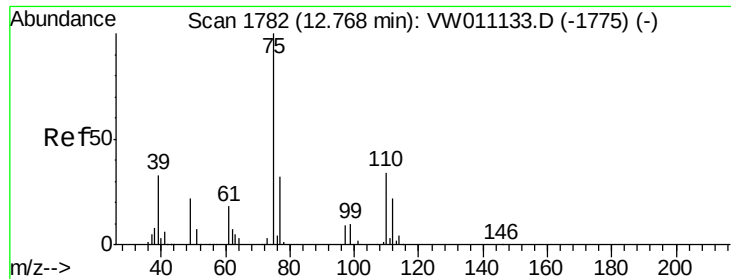


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

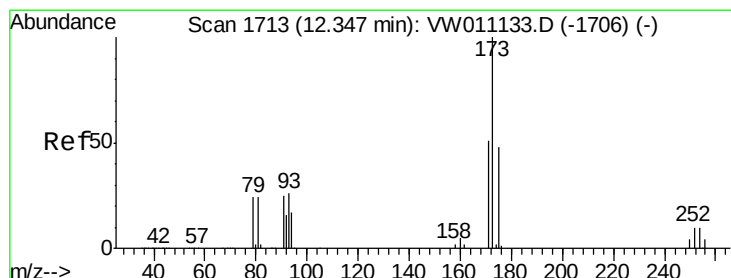
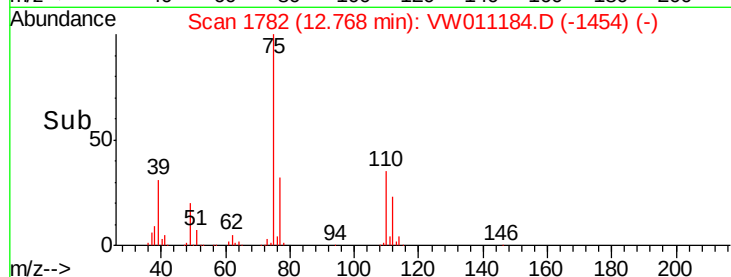
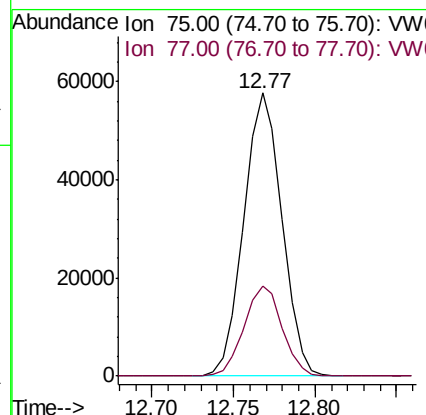
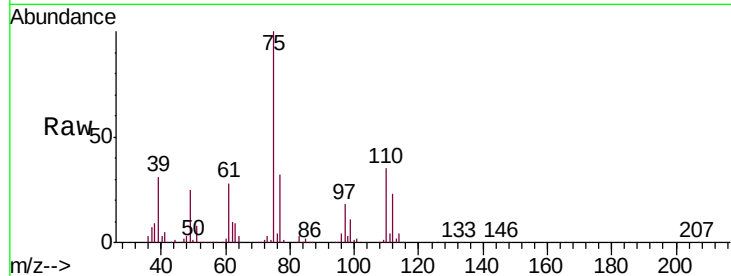




#59
 1,2,3-Trichloropropane
 Concen: 23.424 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW011184.D
 Acq: 10 Jul 2019 09:24

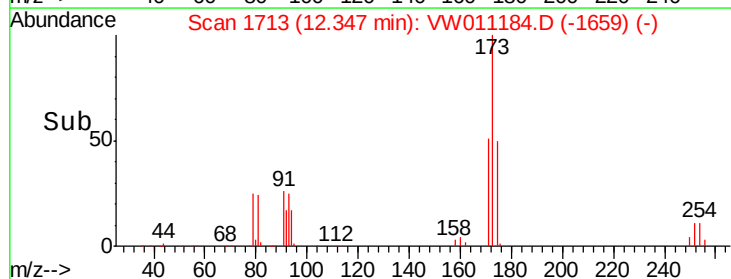
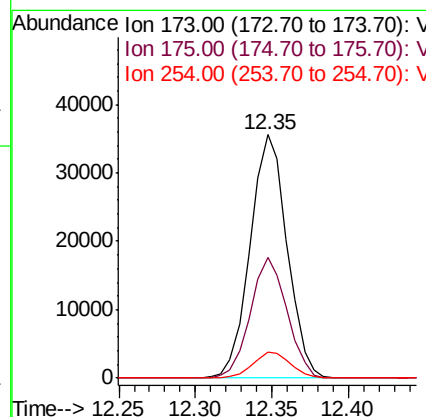
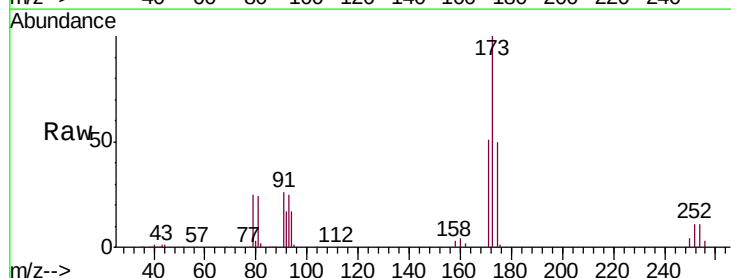
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

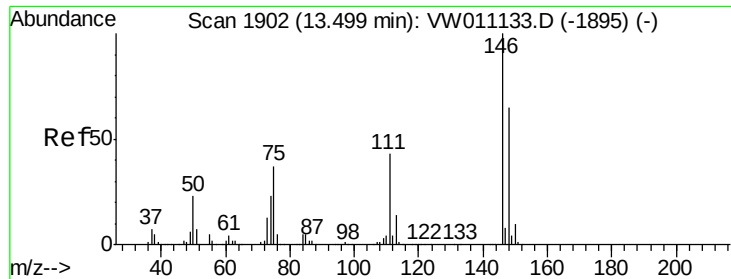
Tgt Ion: 75 Resp: 94084
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.0



#62
 Bromoform
 Concen: 24.622 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW011184.D
 Acq: 10 Jul 2019 09:24

Tgt Ion: 173 Resp: 59844
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.0 58.6
 254 10.8 8.5 12.7

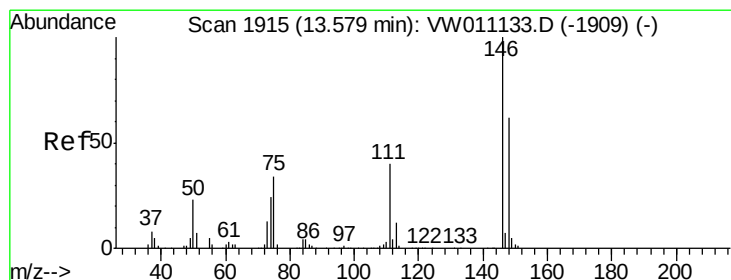
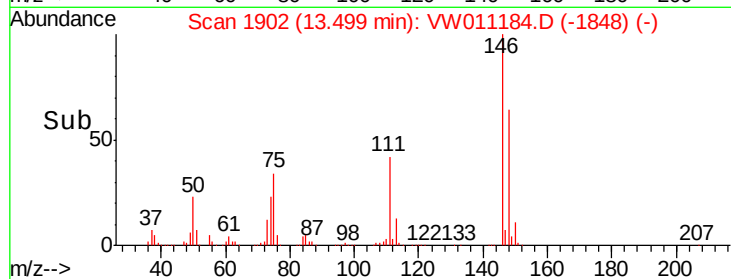
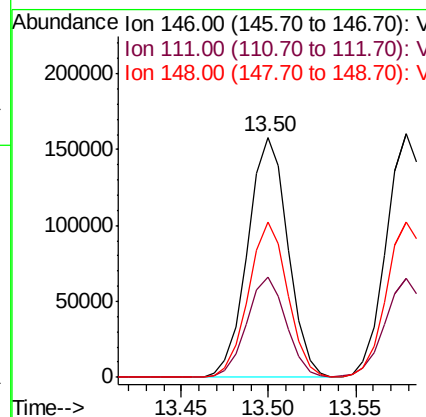
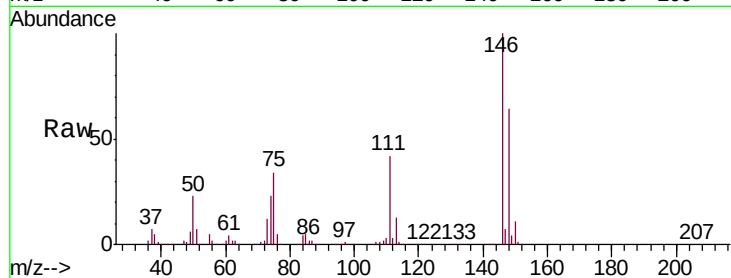




#63
 1,3-Dichlorobenzene
 Concen: 25.279 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011184.D
 Acq: 10 Jul 2019 09:24

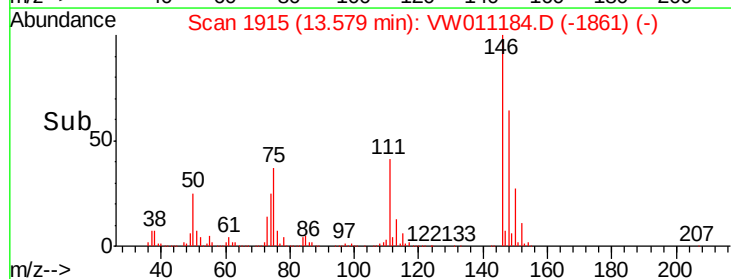
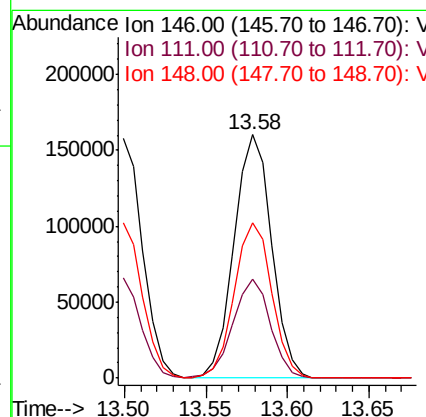
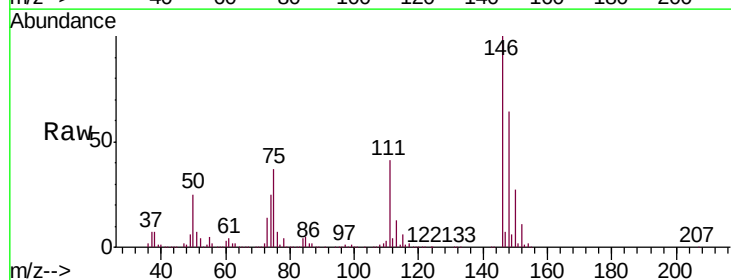
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

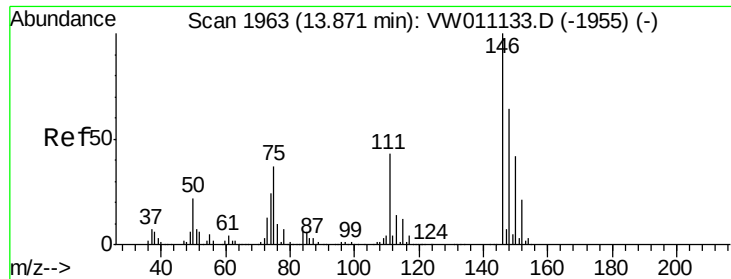
Tgt Ion:146 Resp: 253638
 Ion Ratio Lower Upper
 146 100
 111 41.7 29.0 53.8
 148 64.4 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 24.992 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011184.D
 Acq: 10 Jul 2019 09:24

Tgt Ion:146 Resp: 256701
 Ion Ratio Lower Upper
 146 100
 111 40.5 27.5 51.1
 148 63.6 43.8 81.3

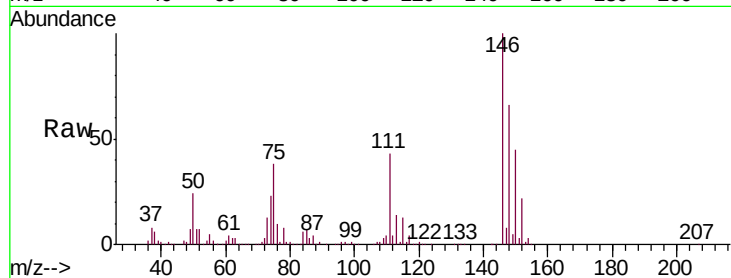




#65
 1,2-Dichlorobenzene
 Concen: 25.000 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011184.D
 Acq: 10 Jul 2019 09:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	34.1	51.1
148	66.4	51.0	76.4

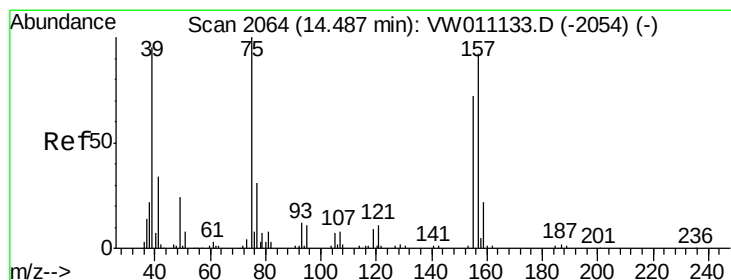
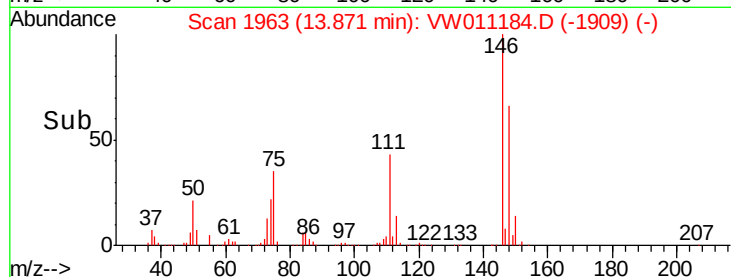
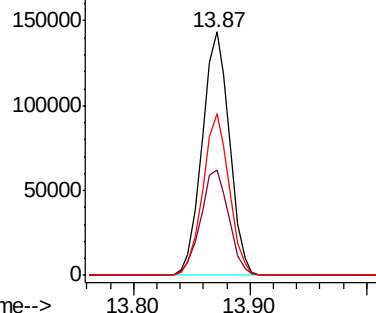


Abundance

Ion 146.00 (145.70 to 146.70): V

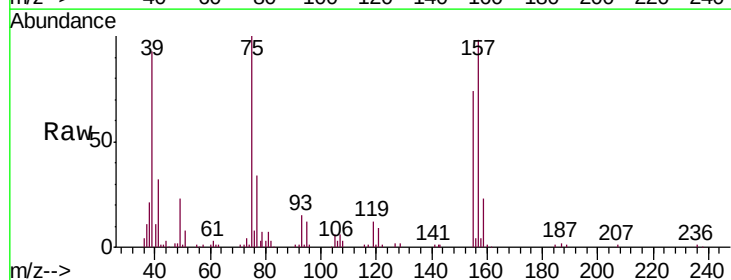
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.876 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011184.D
 Acq: 10 Jul 2019 09:24

Tgt Ion	Ratio	Lower	Upper
75	100		
157	97.5	75.3	112.9
155	74.0	60.2	90.2

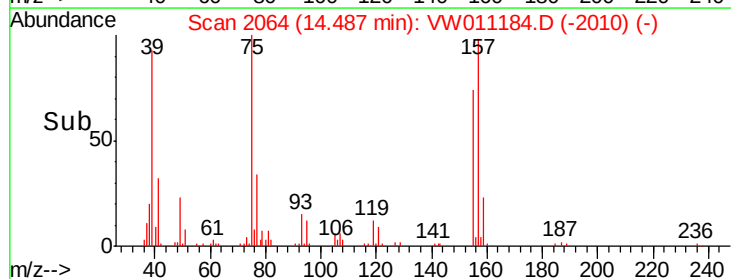
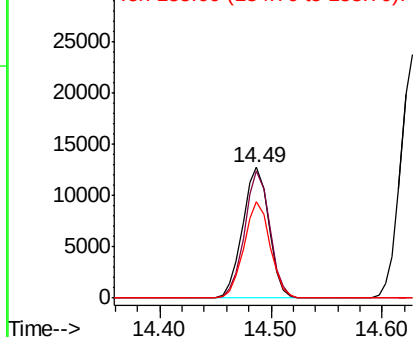


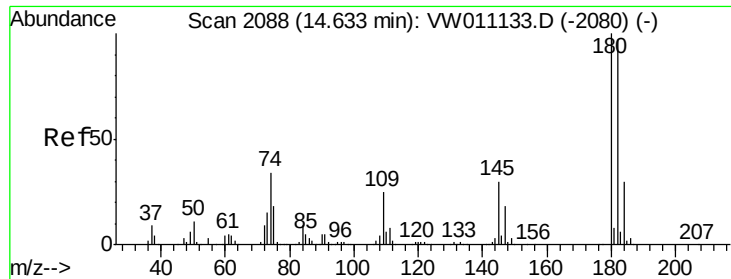
Abundance

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

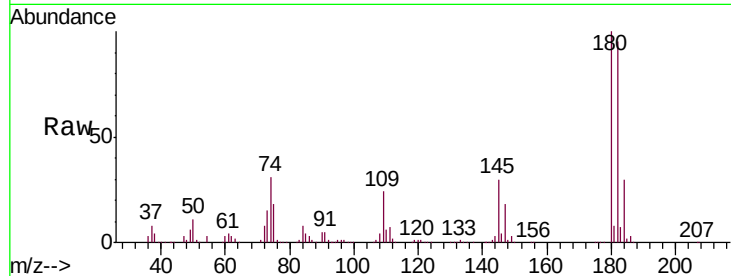




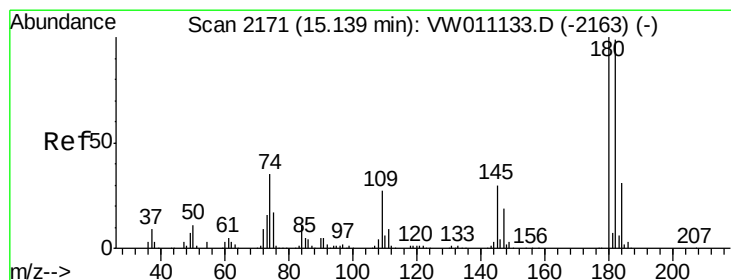
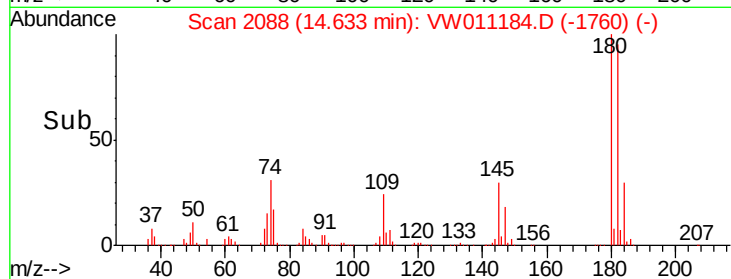
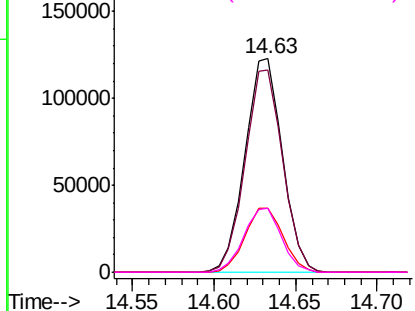
#67
 1,3,5-Trichlorobenzene
 Concen: 25.789 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW011184.D
 Acq: 10 Jul 2019 09:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Tgt Ion:	180	Resp:	196053
Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.0	115.4
184	30.7	24.3	36.5
145	30.2	24.2	36.2

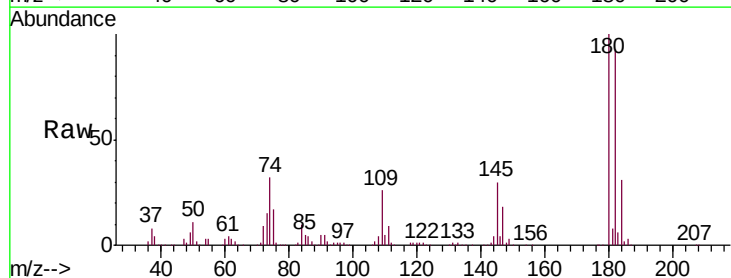


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

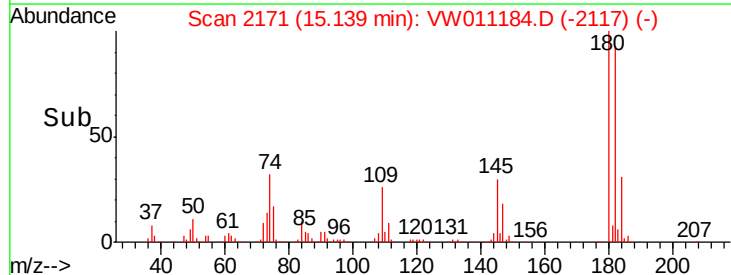
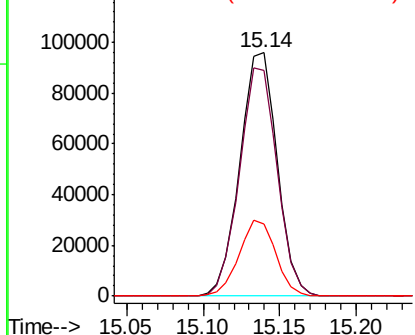


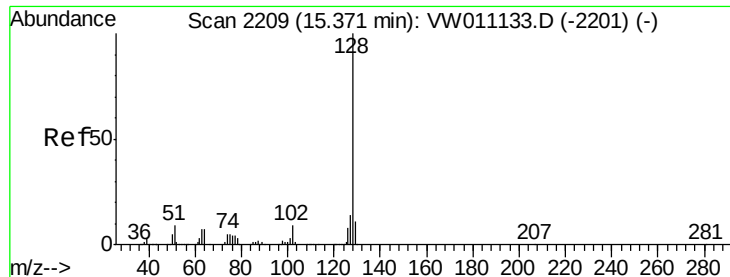
#68
 1,2,4-trichlorobenzene
 Concen: 25.529 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW011184.D
 Acq: 10 Jul 2019 09:24

Tgt Ion:	180	Resp:	162589
Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.0	115.6
145	30.7	24.5	36.7



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





#69

Naphthalene

Concen: 24.447 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW011184.D

Acq: 10 Jul 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

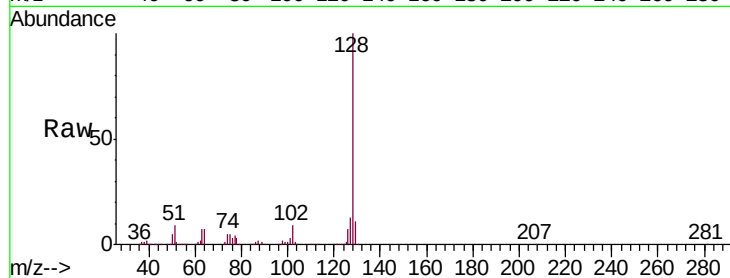
Tgt Ion:128 Resp: 326073

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

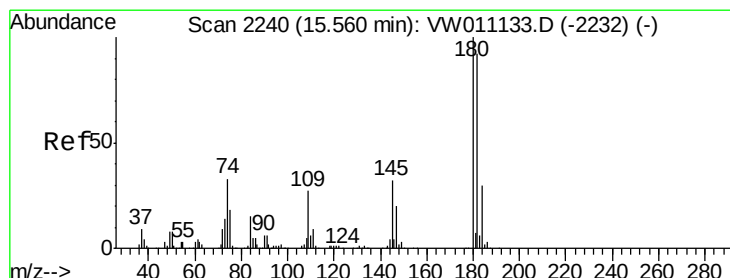
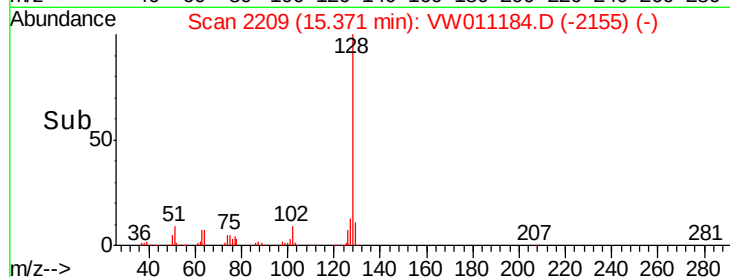
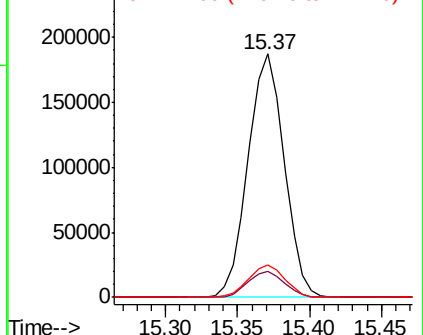
127 13.3 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.120 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011184.D

Acq: 10 Jul 2019 09:24

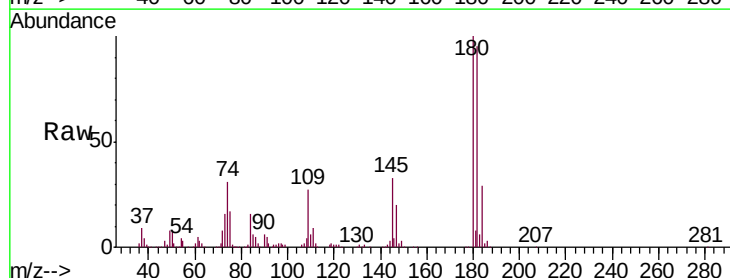
Tgt Ion:180 Resp: 146380

Ion Ratio Lower Upper

180 100

182 96.3 76.4 114.6

145 32.7 25.5 38.3



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

