

Data File : VW011196.D
Acq On : 10 Jul 2019 16:00
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

Quant Time: Jul 11 05:42:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Thu Jul 11 05:38:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	357660	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	324611	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	158548	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	132582	24.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.12%
7) Chloroethane-d5	2.88	69	95935	25.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.16%
10) 1,1-Dichloroethene-d2	4.02	63	287155	24.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.32%
20) 2-Butanone-d5	7.07	46	122691	57.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.06%
24) Chloroform-d	7.65	84	251389	25.64	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.56%
26) 1,2-Dichloroethane-d4	8.30	65	156017	25.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.36%
29) Benzene-d6	8.27	84	512237	25.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.44%
33) 1,2-Dichloropropane-d6	9.27	67	168090	25.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.24%
37) Toluene-d8	10.32	98	456569	25.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.48%
38) trans-1,3-Dichloropropene-	10.58	79	72205	26.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.32%
39) 2-Hexanone-d5	10.92	63	85598	57.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	149039	27.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	155349	25.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.12%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	106847	24.289 ug/L	92
3) Chloromethane	2.21	50	105865	22.167 ug/L	100
5) Vinyl chloride	2.36	62	147886	23.725 ug/L	98
6) Bromomethane	2.77	94	68562	23.511 ug/L	99
8) Chloroethane	2.92	64	76161	24.174 ug/L	97
9) Trichlorofluoromethane	3.24	101	50972	23.883 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	116992	24.602 ug/L	98
12) 1,1-Dichloroethene	4.04	96	114532	24.368 ug/L	89
13) Acetone	4.12	43	104102	49.542 ug/L	100
14) Carbon disulfide	4.38	76	317038	23.580 ug/L	100
15) Methyl Acetate	4.67	43	93272	27.279 ug/L	100
16) Methylene chloride	4.91	84	123030	23.408 ug/L	97
17) Methyl tert-butyl Ether	5.42	73	184543	25.318 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	113690	23.937 ug/L	97
19) 1,1-Dichloroethane	6.21	63	237865	24.669 ug/L	98
21) 2-Butanone	7.16	43	138783	51.162 ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	126229	24.553 ug/L	98

Data File : VW011196.D
Acq On : 10 Jul 2019 16:00
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

Quant Time: Jul 11 05:42:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Thu Jul 11 05:38:29 2019
Response via : Initial Calibration

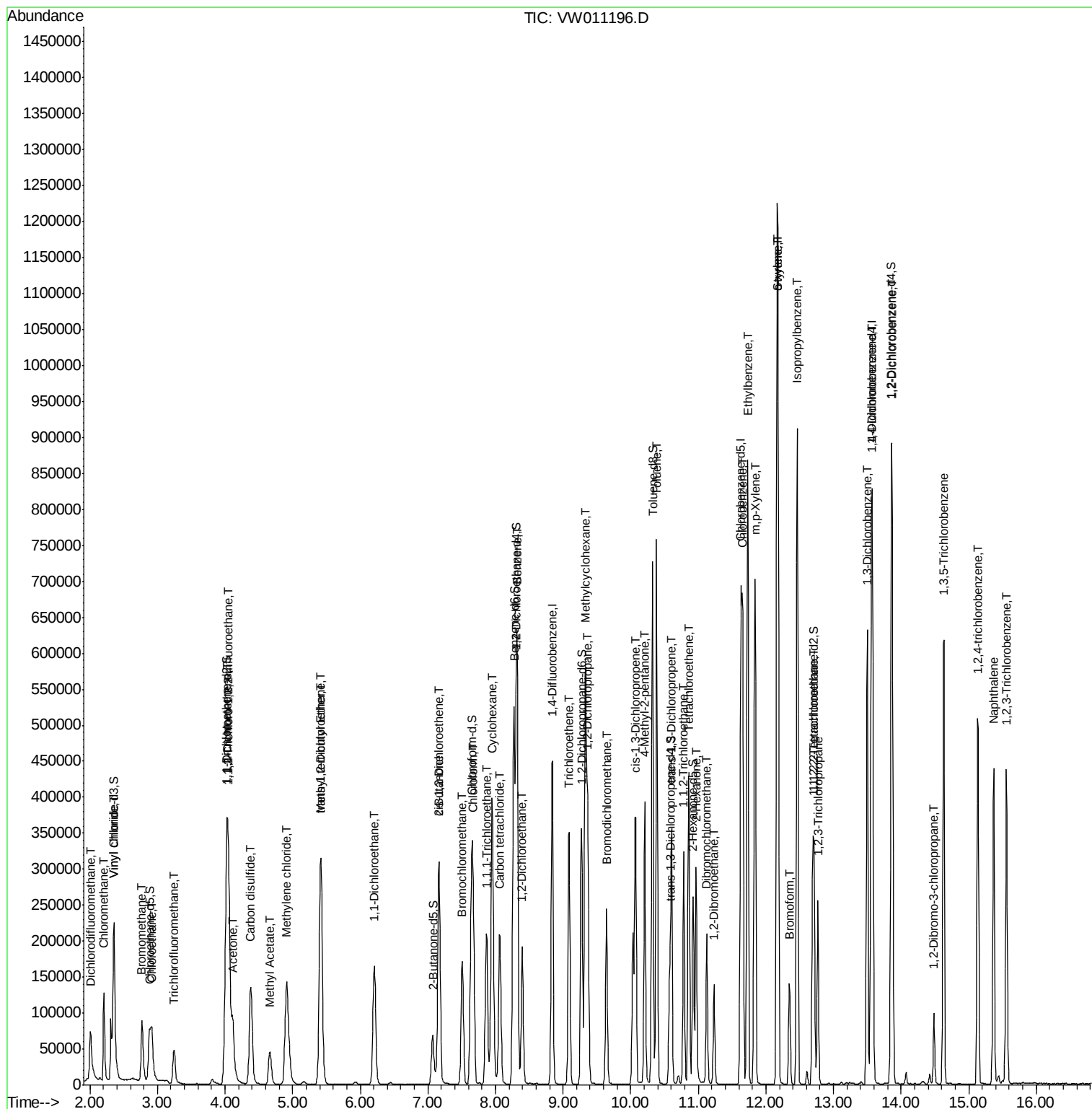
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	53690	24.889	ug/L	95
25) Chloroform	7.67	83	221955	24.302	ug/L	99
27) 1,2-Dichloroethane	8.40	62	172605	24.723	ug/L	100
30) Cyclohexane	7.95	56	235966	23.909	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	166019	24.642	ug/L	99
32) Carbon tetrachloride	8.06	117	154075	24.385	ug/L	100
34) Benzene	8.32	78	496353	24.466	ug/L	100
35) Trichloroethene	9.09	95	123592	24.141	ug/L	100
36) Methylcyclohexane	9.34	83	222156	24.113	ug/L	98
40) 1,2-Dichloropropane	9.37	63	137939	24.813	ug/L	100
41) Bromodichloromethane	9.64	83	161081	25.132	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	208396	25.406	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	270301	52.451	ug/L	99
44) Toluene	10.38	91	516396	24.592	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	173715	25.595	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	96150	24.976	ug/L	98
47) Tetrachloroethene	10.86	164	93502	24.166	ug/L	97
49) 2-Hexanone	10.97	43	202647	54.022	ug/L	99
50) Dibromochloromethane	11.13	129	104586	25.512	ug/L	99
51) 1,2-Dibromoethane	11.23	107	94085	25.310	ug/L	99
52) Chlorobenzene	11.66	112	311966	24.317	ug/L	99
53) Ethylbenzene	11.73	91	583682	24.505	ug/L	100
54) m,p-Xylene	11.84	106	211051	24.405	ug/L	93
55) o-xylene	12.16	106	202094	24.566	ug/L	98
56) Styrene	12.18	104	354846	25.144	ug/L	100
57) Isopropylbenzene	12.46	105	555848	24.752	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	134736	26.308	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	103528	26.322	ug/L	100
62) Bromoform	12.35	173	61246	25.920	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	238208	24.420	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	242704	24.305	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	225561	24.842	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	23619	26.495	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	184674	24.987	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	155569	25.126	ug/L	99
69) Naphthalene	15.37	128	351677	27.121	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	143612	25.351	ug/L	99

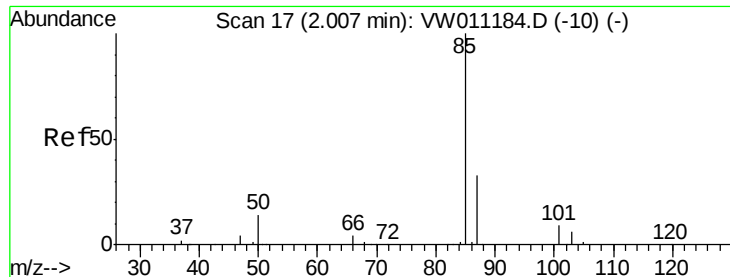
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW011196.D
Acq On : 10 Jul 2019 16:00
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

Quant Time: Jul 11 05:42:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Thu Jul 11 05:38:29 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 24.289 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011196.D

Acq: 10 Jul 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

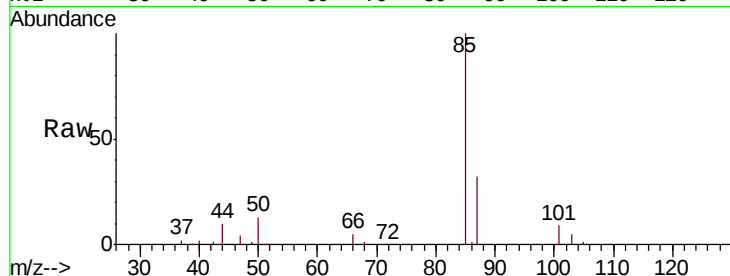
VSTD02518

Tgt Ion: 85 Resp: 106847

Ion Ratio Lower Upper

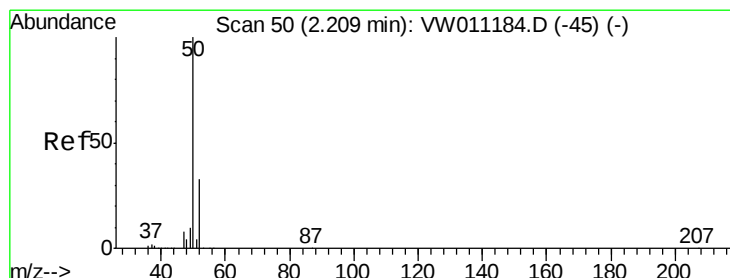
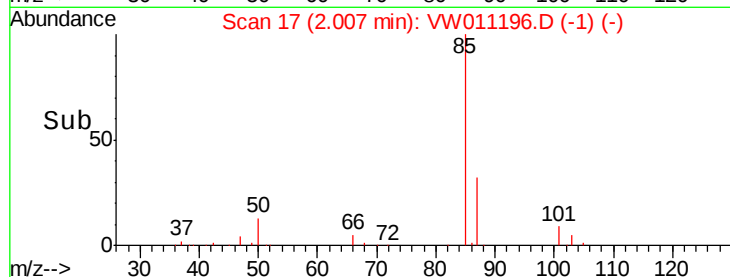
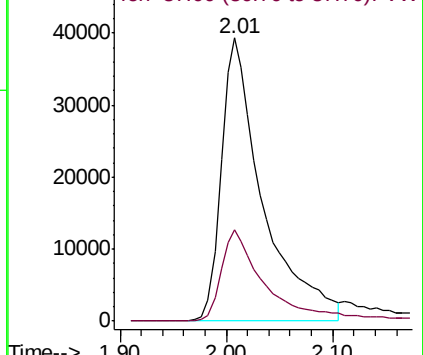
85 100

87 34.1 20.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.167 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011196.D

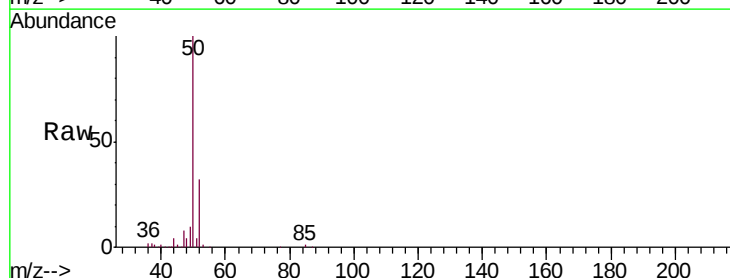
Acq: 10 Jul 2019 16:00

Tgt Ion: 50 Resp: 105865

Ion Ratio Lower Upper

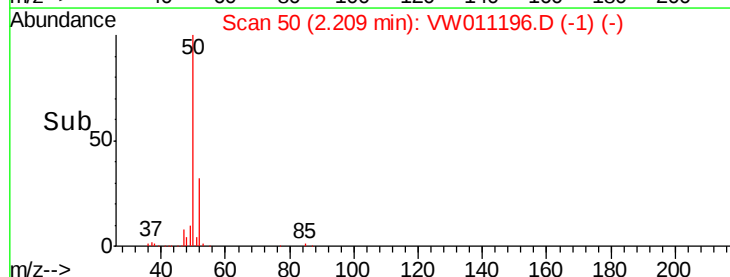
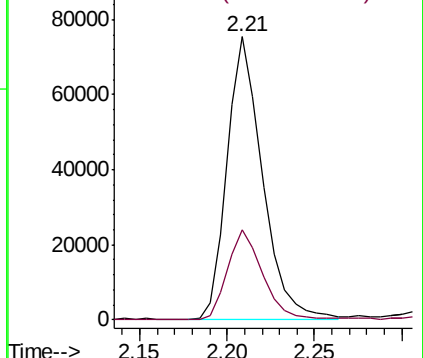
50 100

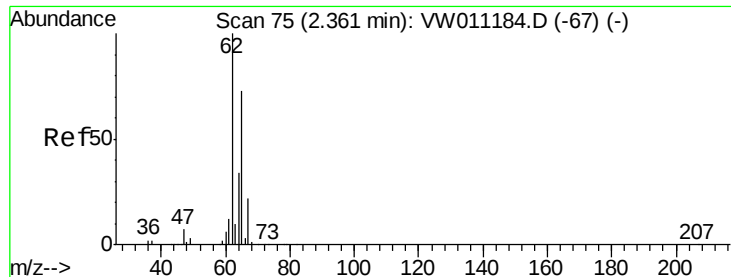
52 31.8 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.725 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011196.D

Acq: 10 Jul 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

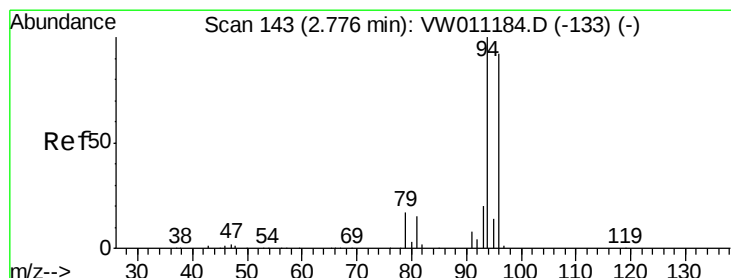
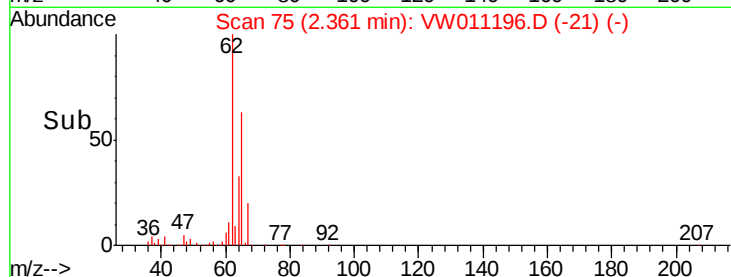
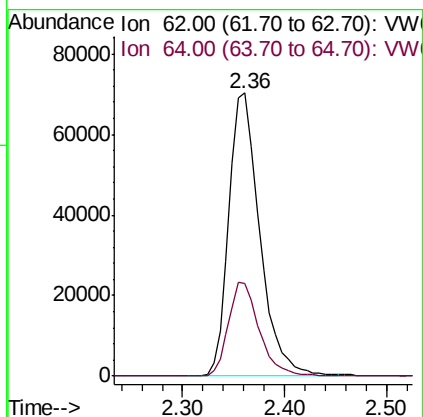
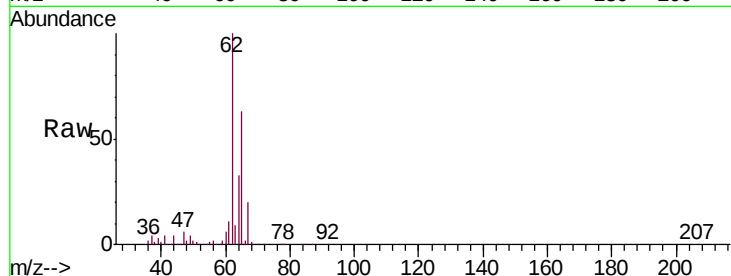
VSTD02518

Tgt Ion: 62 Resp: 147886

Ion Ratio Lower Upper

62 100

64 32.9 23.9 44.3



#6

Bromomethane

Concen: 23.511 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011196.D

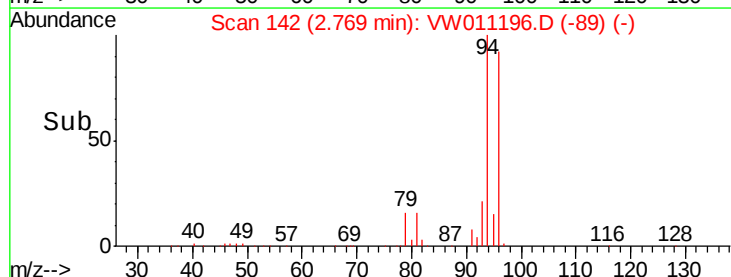
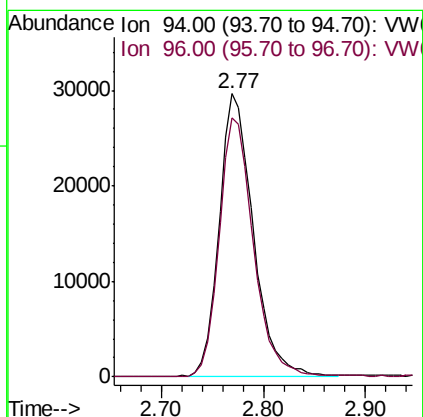
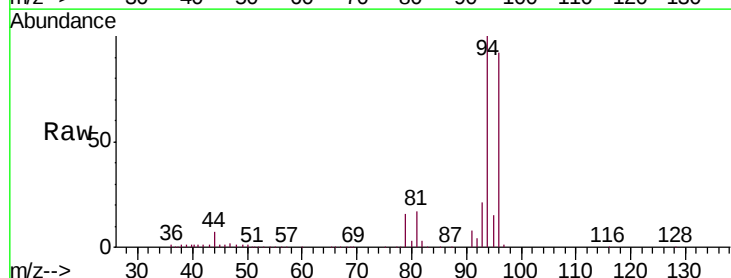
Acq: 10 Jul 2019 16:00

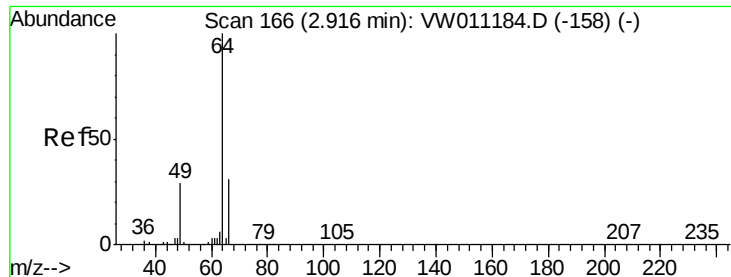
Tgt Ion: 94 Resp: 68562

Ion Ratio Lower Upper

94 100

96 92.6 9.3 177.3





#8

Chloroethane

Concen: 24.174 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW011196.D

Acq: 10 Jul 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

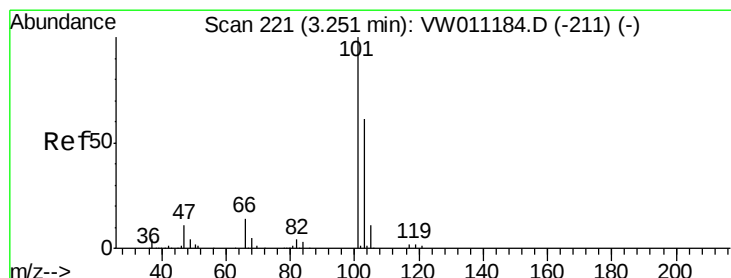
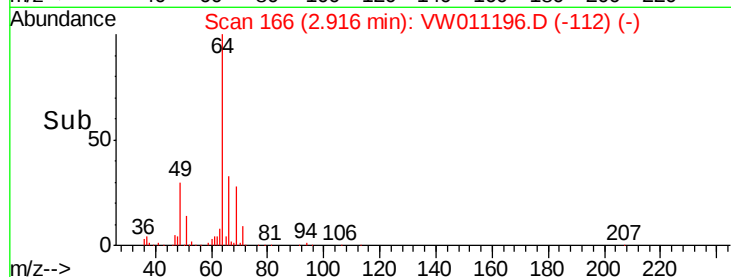
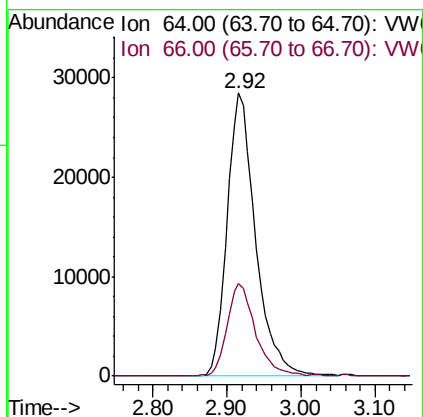
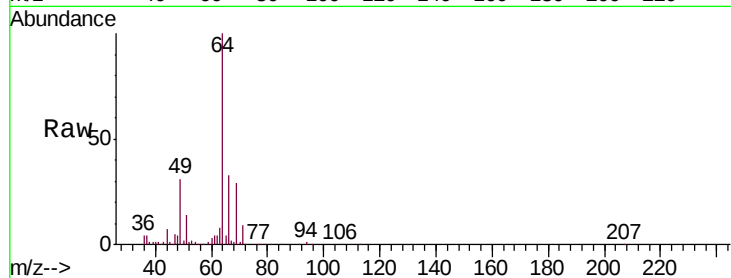
VSTD02518

Tgt Ion: 64 Resp: 76161

Ion Ratio Lower Upper

64 100

66 32.7 21.9 40.7



#9

Trichlorofluoromethane

Concen: 23.883 ug/L

RT: 3.24 min Scan# 220

Delta R.T. -0.01 min

Lab File: VW011196.D

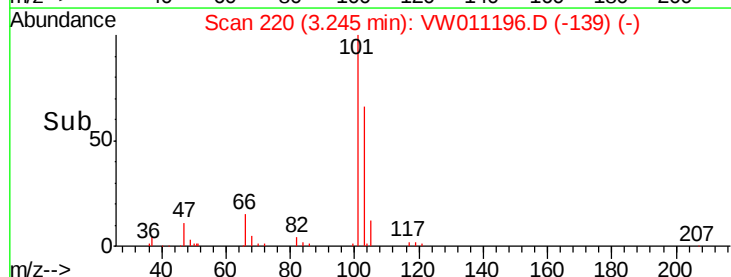
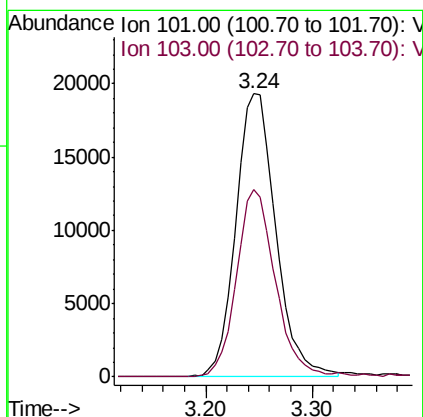
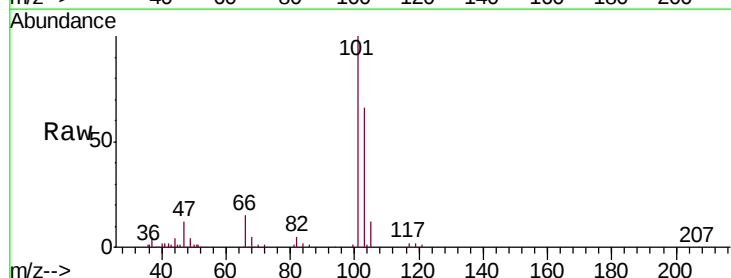
Acq: 10 Jul 2019 16:00

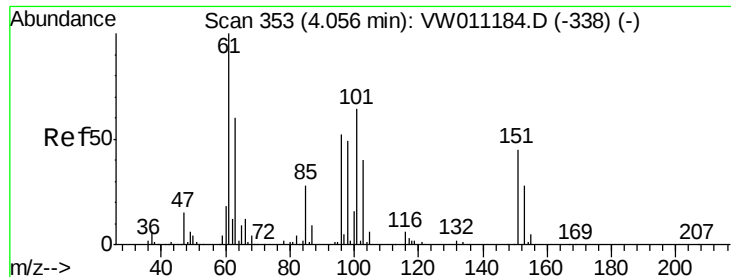
Tgt Ion: 101 Resp: 50972

Ion Ratio Lower Upper

101 100

103 63.7 44.6 82.8





#11

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

Concen: 24.602 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011196.D

Acq: 10 Jul 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

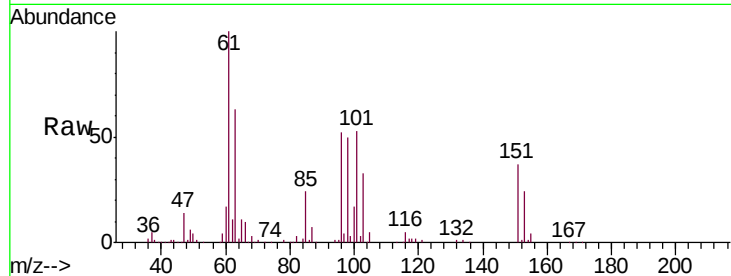
Tgt Ion: 101 Resp: 116992

Ion Ratio Lower Upper

101 100

85 45.2 33.8 50.8

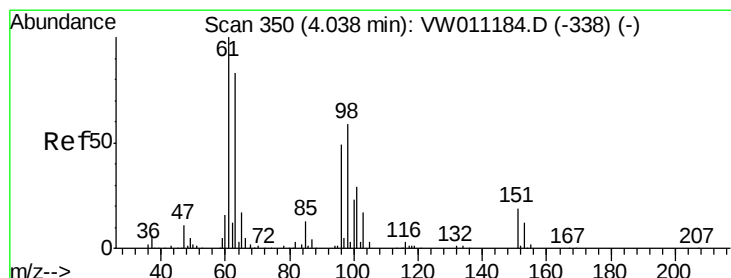
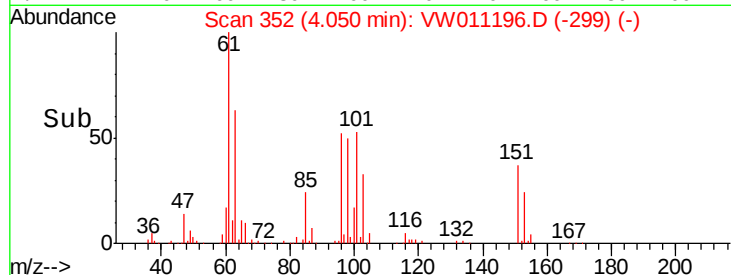
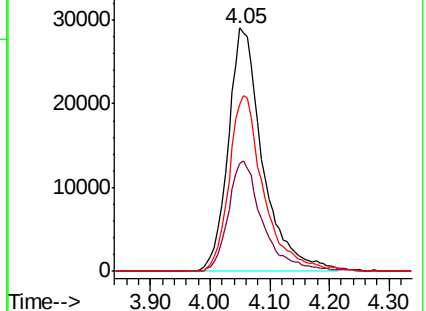
151 71.5 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.368 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW011196.D

Acq: 10 Jul 2019 16:00

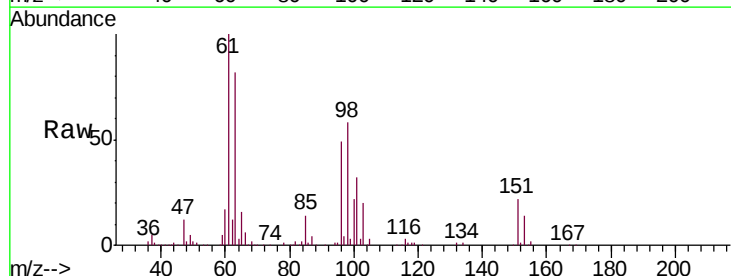
Tgt Ion: 96 Resp: 114532

Ion Ratio Lower Upper

96 100

61 203.0 142.2 264.0

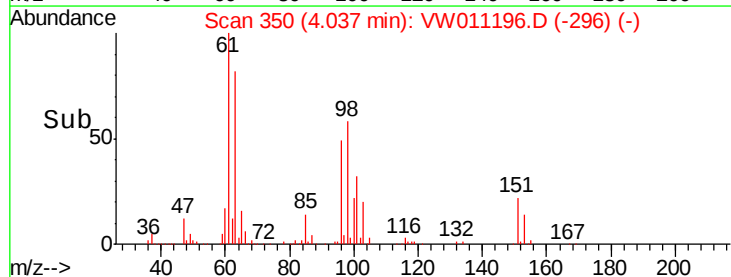
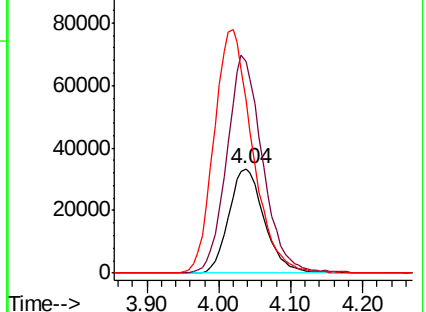
63 165.5 138.9 257.9

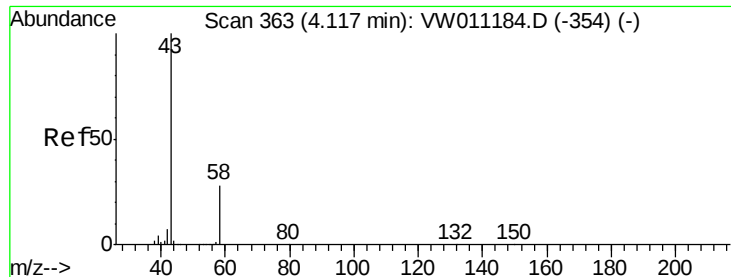


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.542 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011196.D

Acq: 10 Jul 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

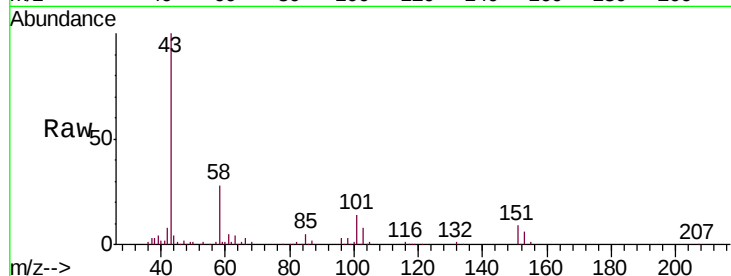
VSTD02518

Tgt Ion: 43 Resp: 104102

Ion Ratio Lower Upper

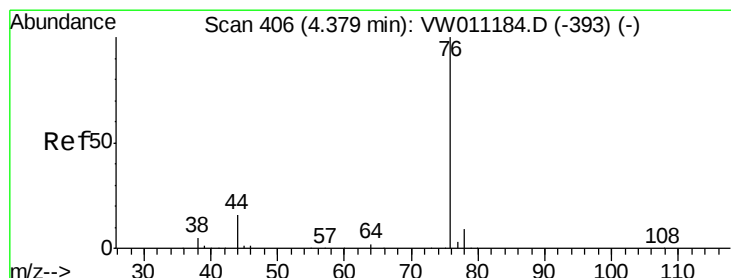
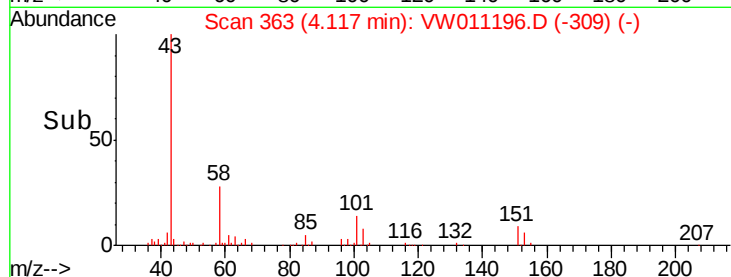
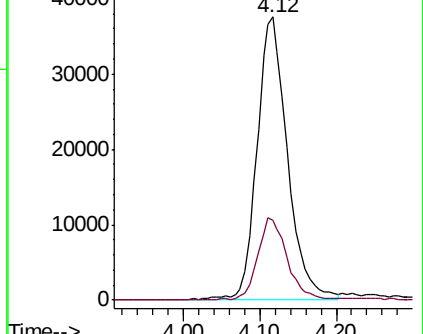
43 100

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



#14

Carbon disulfide

Concen: 23.580 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW011196.D

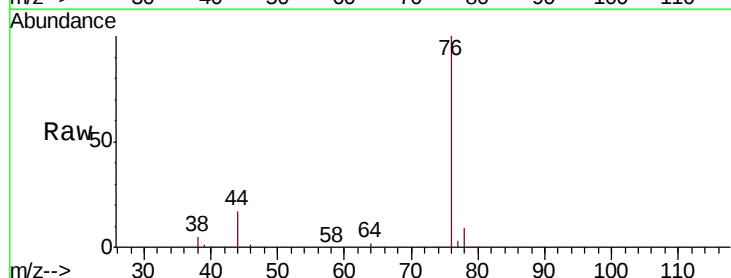
Acq: 10 Jul 2019 16:00

Tgt Ion: 76 Resp: 317038

Ion Ratio Lower Upper

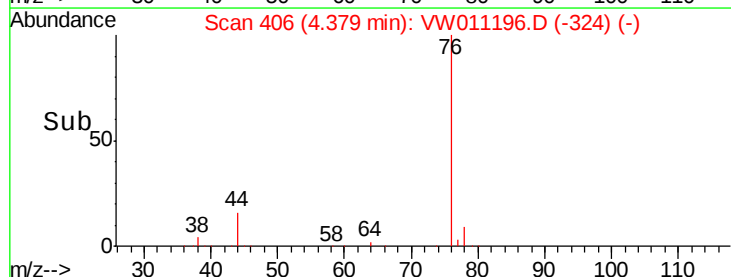
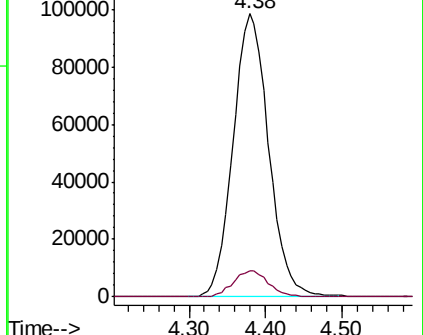
76 100

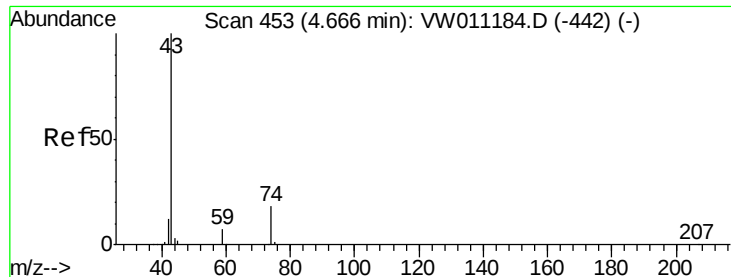
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

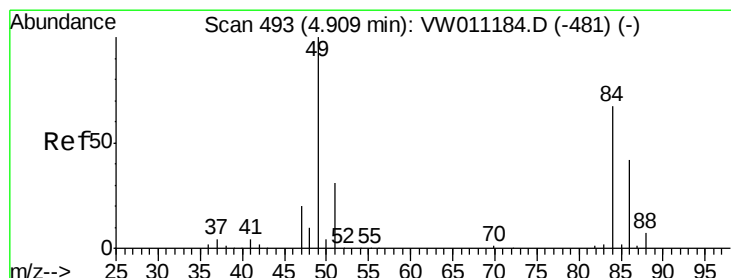
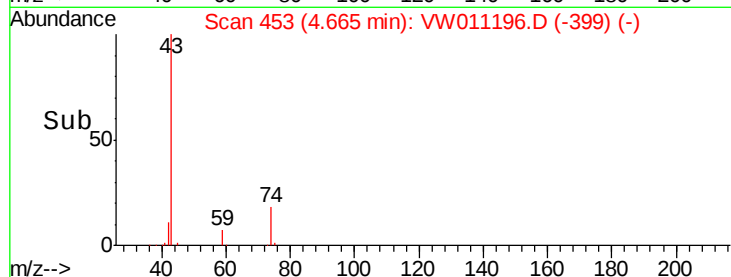
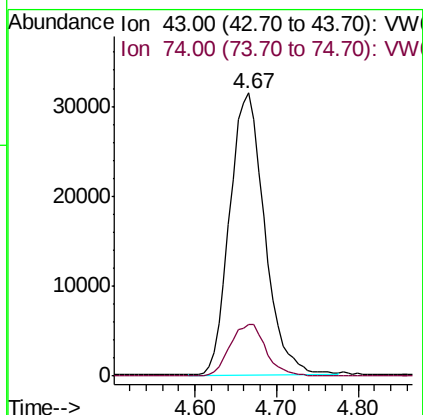
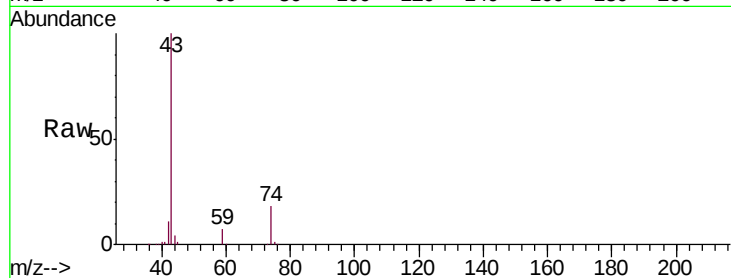




#15
Methyl Acetate
Concen: 27.279 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW011196.D
Acq: 10 Jul 2019 16:00

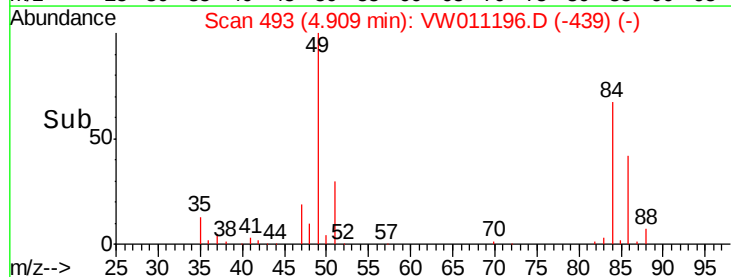
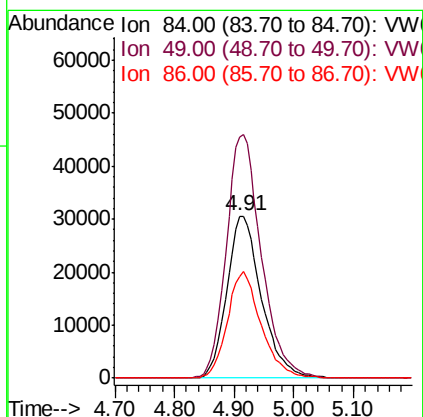
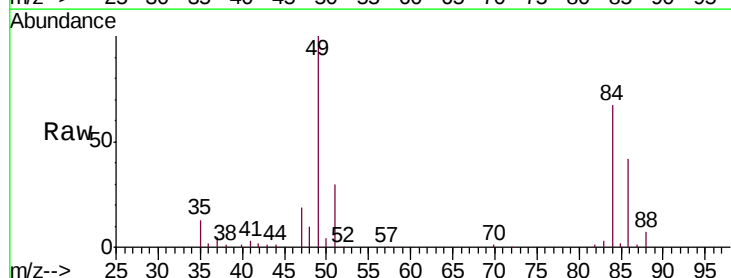
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

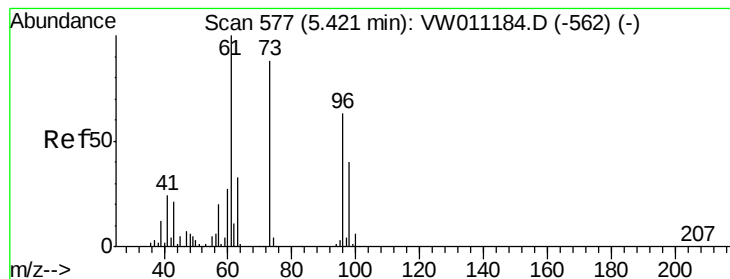
Tgt Ion: 43 Resp: 93272
Ion Ratio Lower Upper
43 100
74 18.8 15.1 22.7



#16
Methylene chloride
Concen: 23.408 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW011196.D
Acq: 10 Jul 2019 16:00

Tgt Ion: 84 Resp: 123030
Ion Ratio Lower Upper
84 100
49 148.4 102.5 190.3
86 62.3 46.4 86.2





#17

Methyl tert-butyl Ether

Concen: 25.318 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011196.D

Acq: 10 Jul 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

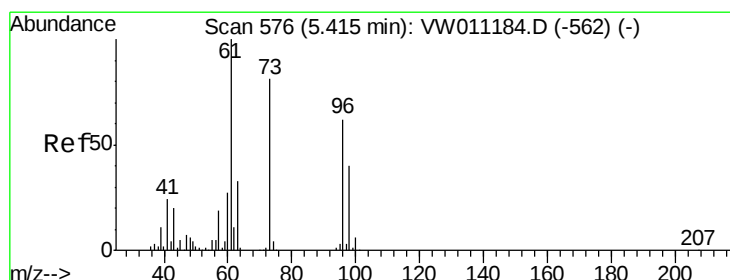
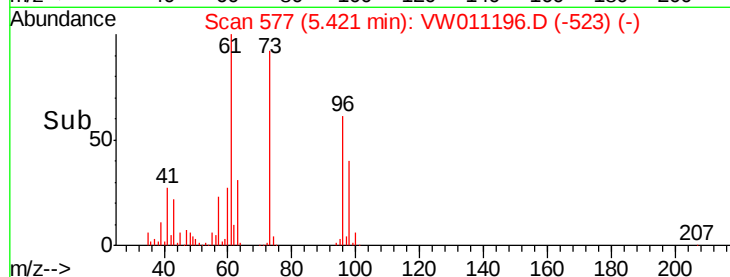
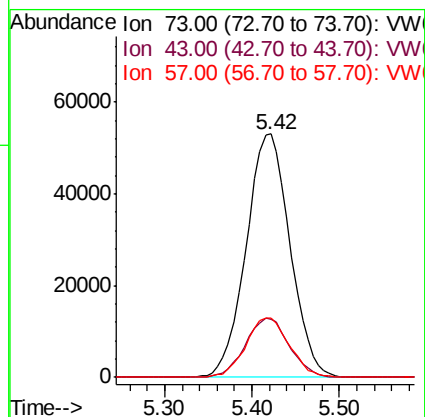
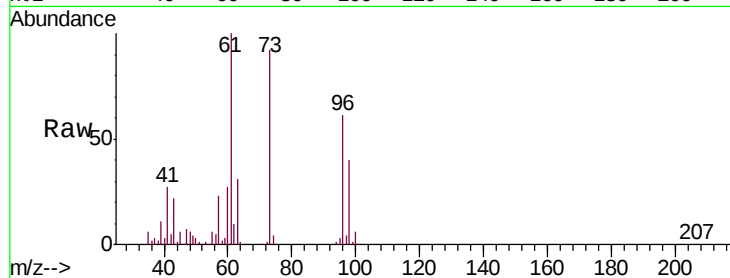
Tgt Ion: 73 Resp: 184543

Ion Ratio Lower Upper

73 100

43 24.5 20.2 30.2

57 24.3 19.6 29.4



#18

trans-1,2-Dichloroethene

Concen: 23.937 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW011196.D

Acq: 10 Jul 2019 16:00

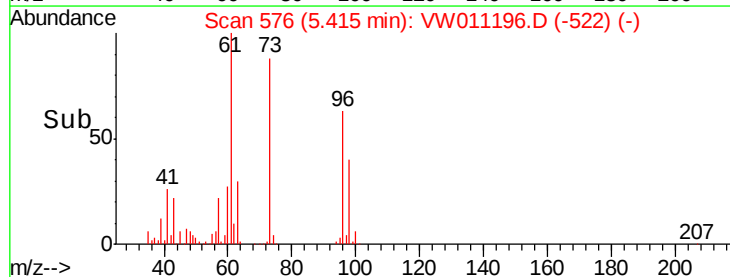
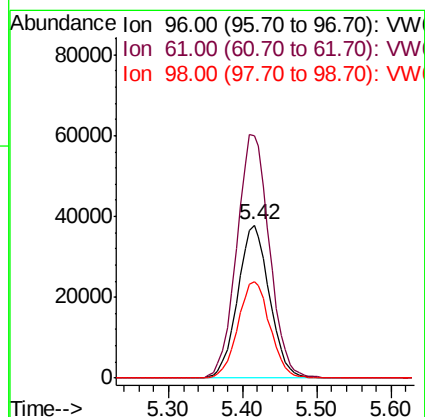
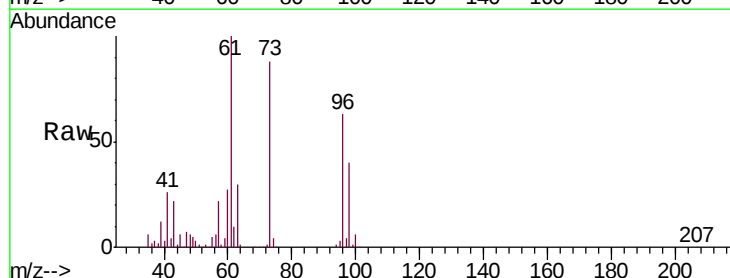
Tgt Ion: 96 Resp: 113690

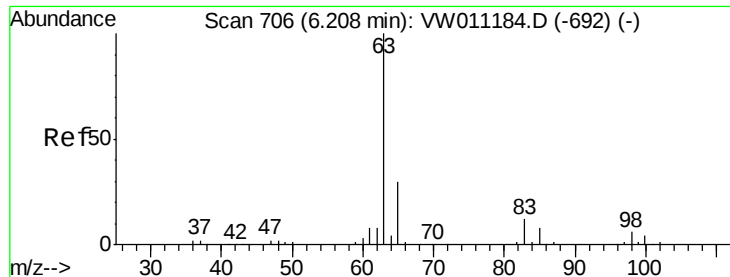
Ion Ratio Lower Upper

96 100

61 158.3 113.7 211.1

98 63.5 43.3 80.3

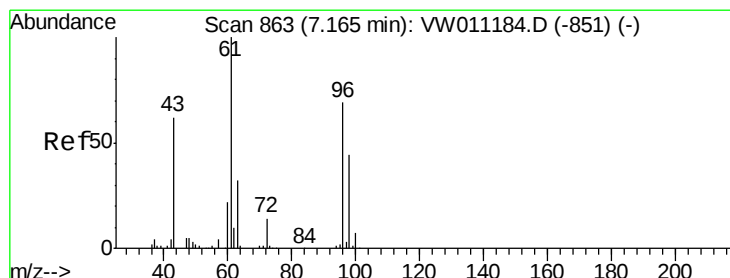
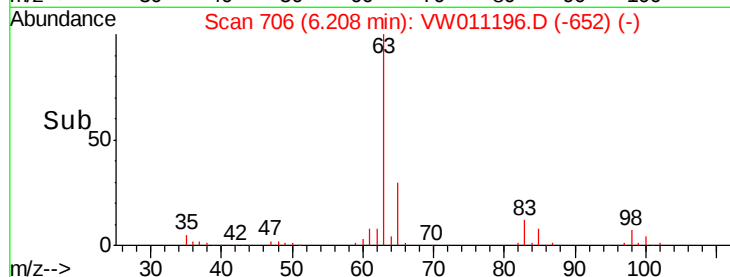
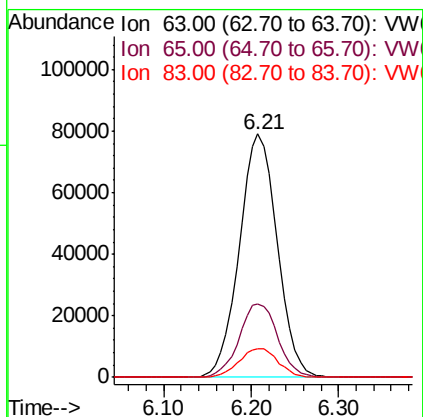
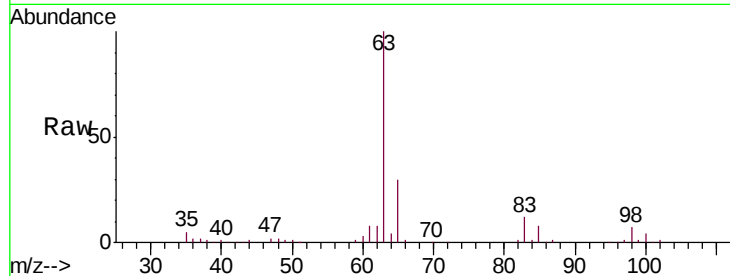




#19
 1,1-Dichloroethane
 Concen: 24.669 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW011196.D
 Acq: 10 Jul 2019 16:00

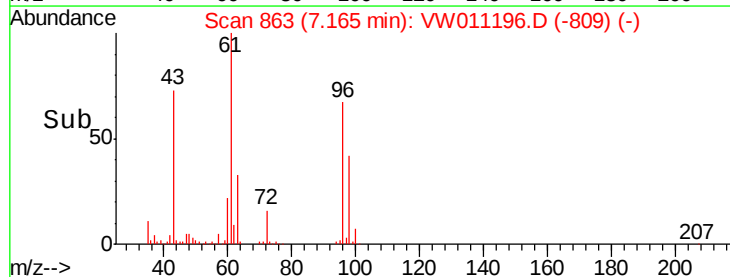
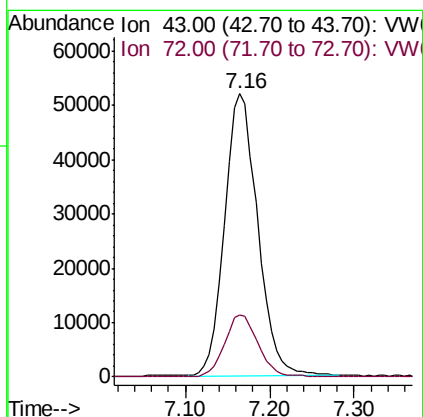
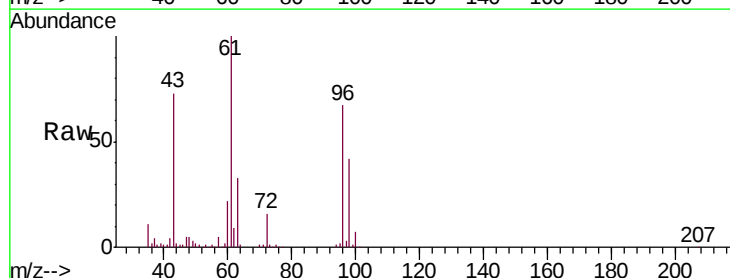
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

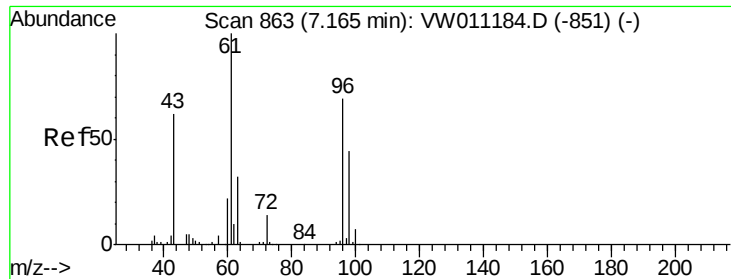
Tgt Ion: 63 Resp: 237865
 Ion Ratio Lower Upper
 63 100
 65 30.3 22.1 41.1
 83 11.7 9.0 16.6



#21
 2-Butanone
 Concen: 51.162 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW011196.D
 Acq: 10 Jul 2019 16:00

Tgt Ion: 43 Resp: 138783
 Ion Ratio Lower Upper
 43 100
 72 22.3 11.2 33.6



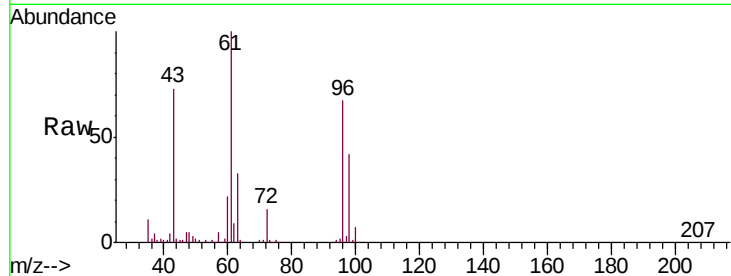


#22

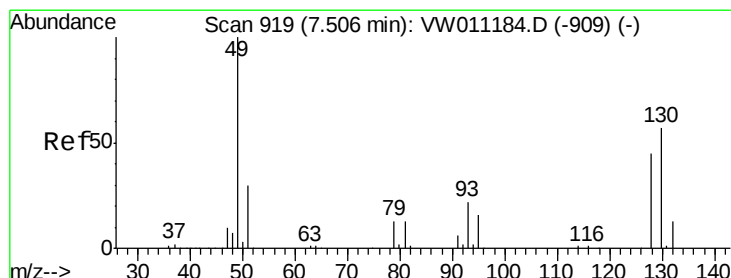
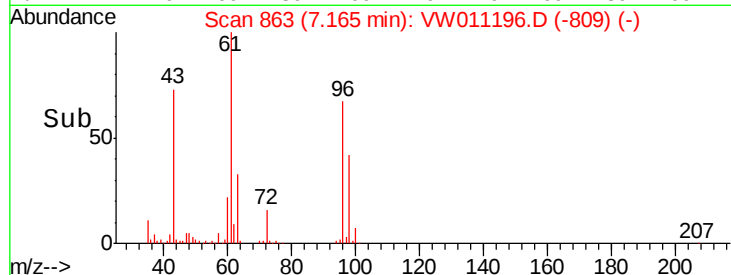
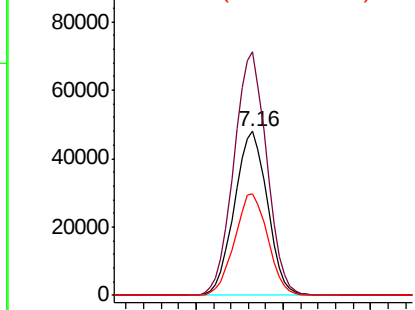
cis-1,2-Dichloroethene
Concen: 24.553 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011196.D
Acq: 10 Jul 2019 16:00

Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

Tgt Ion: 96 Resp: 126229
Ion Ratio Lower Upper
96 100
61 148.8 103.2 191.6
98 62.0 44.8 83.2



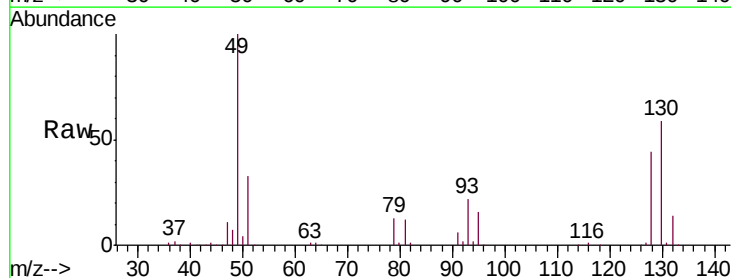
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



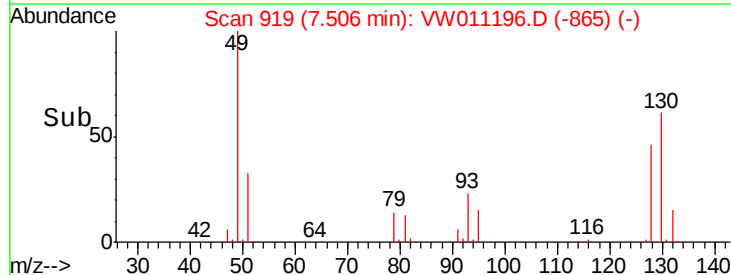
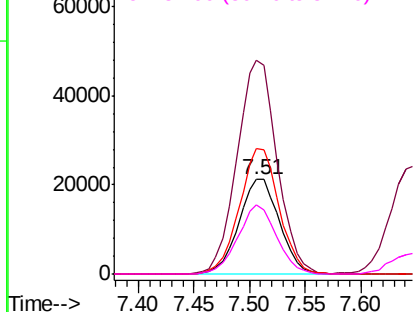
#23

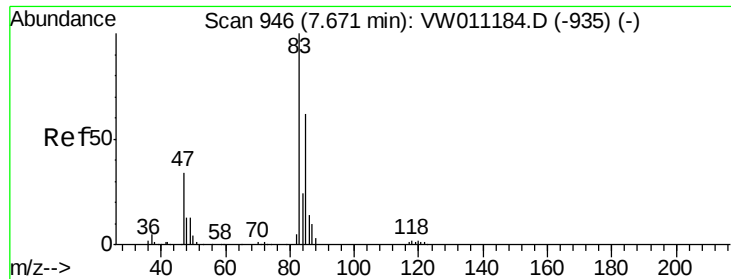
Bromochloromethane
Concen: 24.889 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW011196.D
Acq: 10 Jul 2019 16:00

Tgt Ion: 128 Resp: 53690
Ion Ratio Lower Upper
128 100
49 225.9 153.8 285.6
130 132.2 86.4 160.4
51 73.5 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: 24.302 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW011196.D

Acq: 10 Jul 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

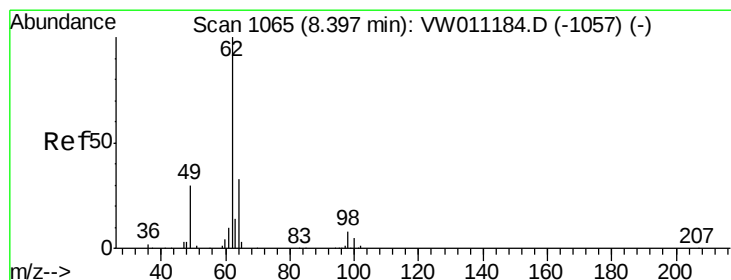
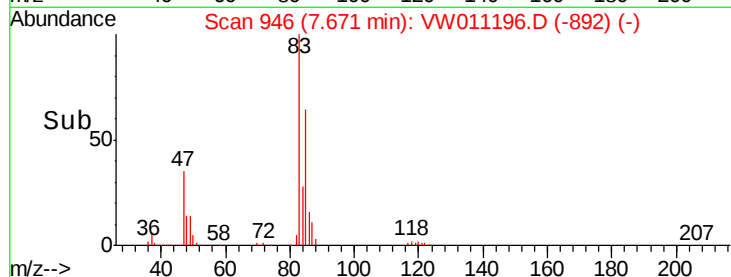
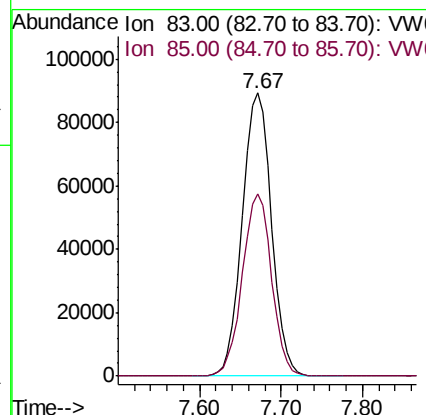
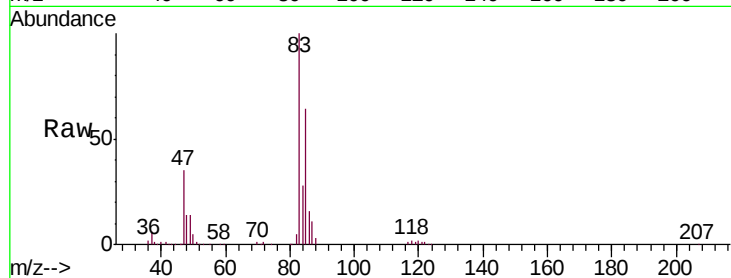
VSTD02518

Tgt Ion: 83 Resp: 221955

Ion Ratio Lower Upper

83 100

85 64.4 45.6 84.6



#27

1,2-Dichloroethane

Concen: 24.723 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011196.D

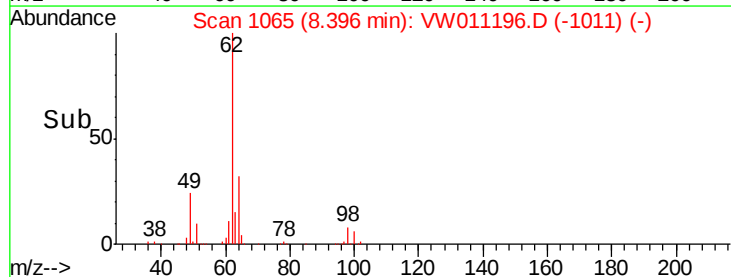
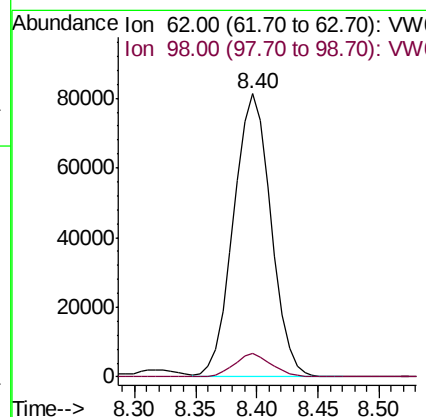
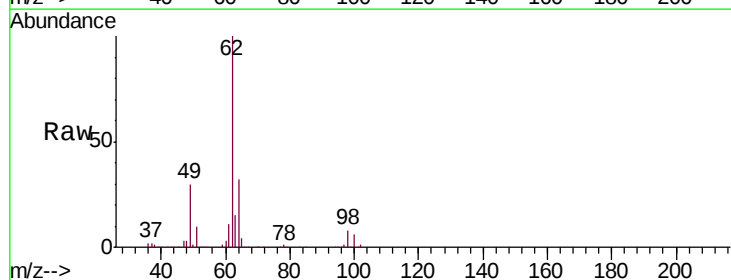
Acq: 10 Jul 2019 16:00

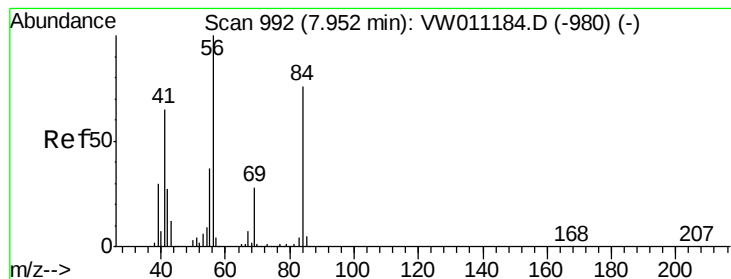
Tgt Ion: 62 Resp: 172605

Ion Ratio Lower Upper

62 100

98 8.4 6.6 10.0





#30

Cyclohexane

Concen: 23.909 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011196.D

Acq: 10 Jul 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

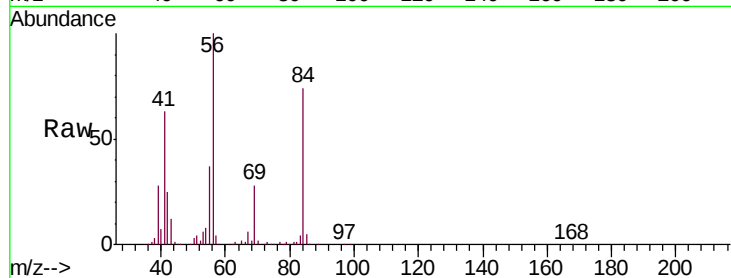
Tgt Ion: 56 Resp: 235966

Ion Ratio Lower Upper

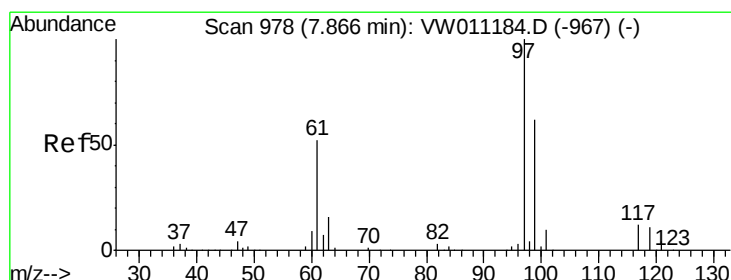
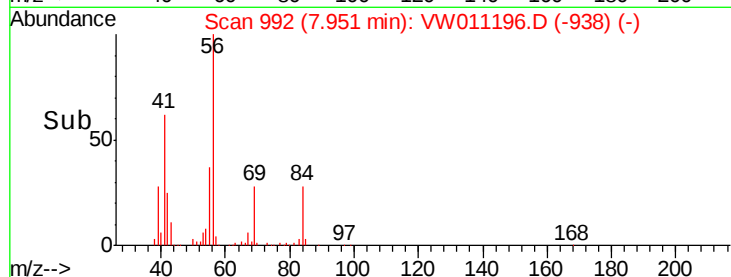
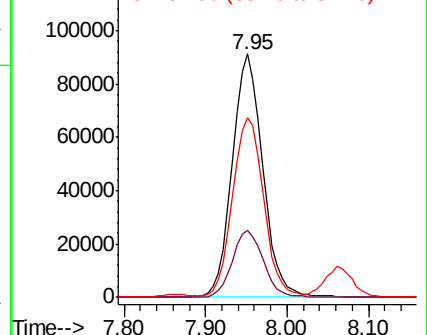
56 100

69 28.0 22.5 33.7

84 75.2 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: 24.642 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW011196.D

Acq: 10 Jul 2019 16:00

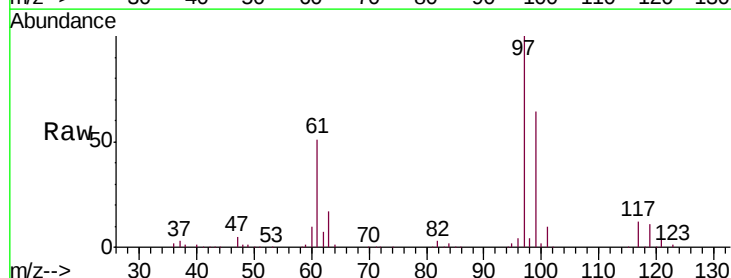
Tgt Ion: 97 Resp: 166019

Ion Ratio Lower Upper

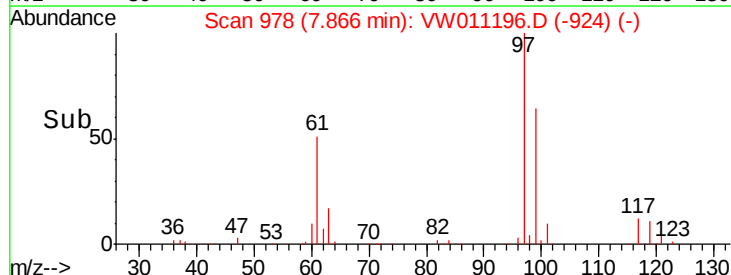
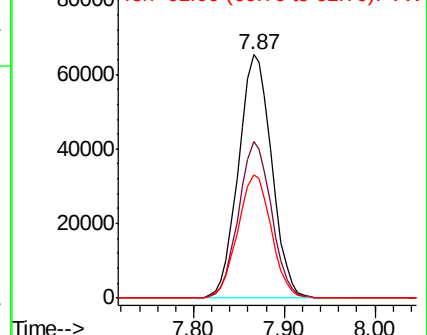
97 100

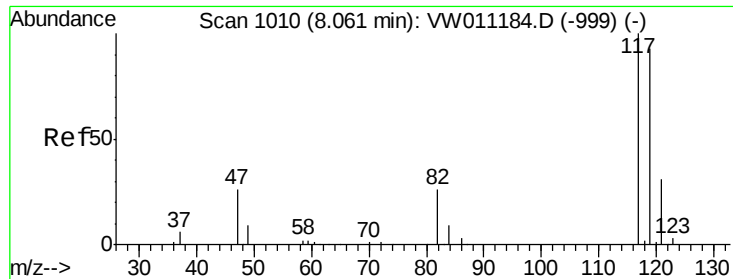
99 63.7 50.6 75.8

61 51.4 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: 24.385 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW011196.D

Acq: 10 Jul 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

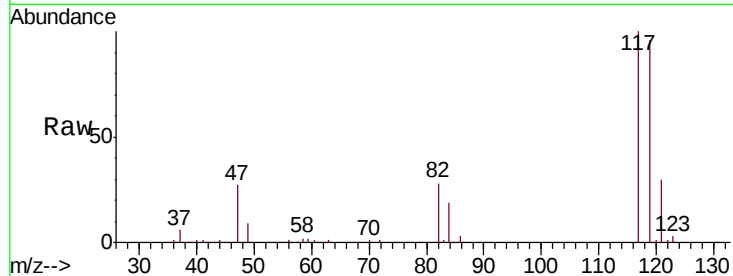
VSTD02518

Tgt Ion:117 Resp: 154075

Ion Ratio Lower Upper

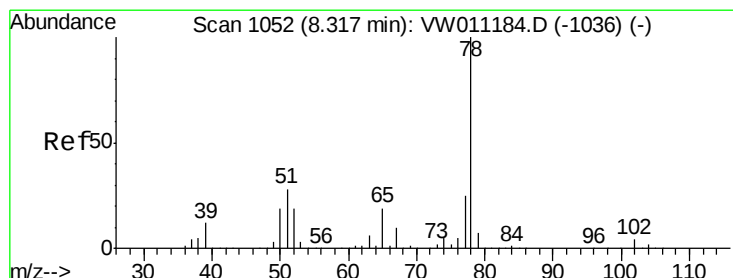
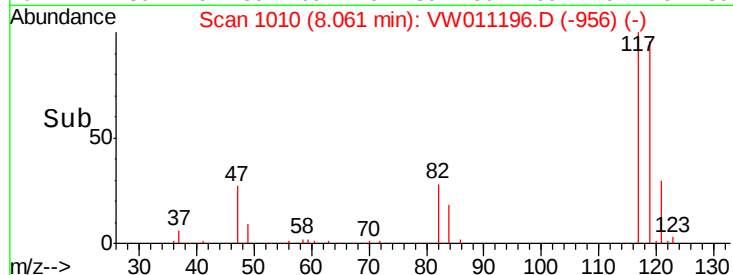
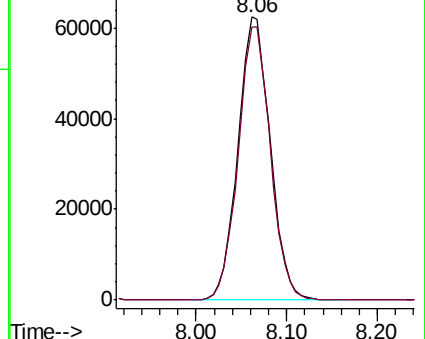
117 100

119 96.2 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: 24.466 ug/L

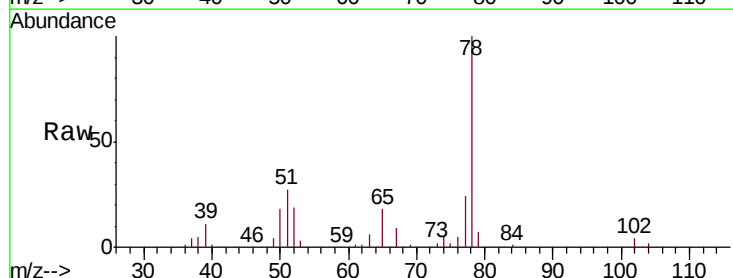
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

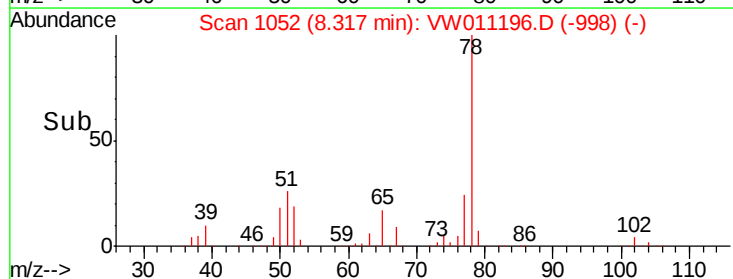
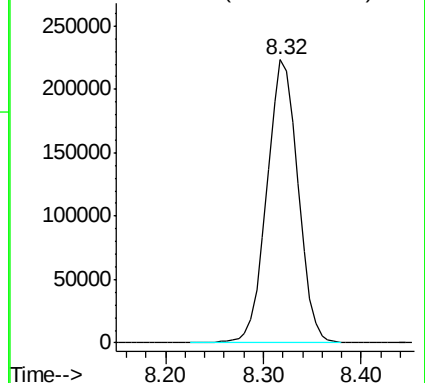
Lab File: VW011196.D

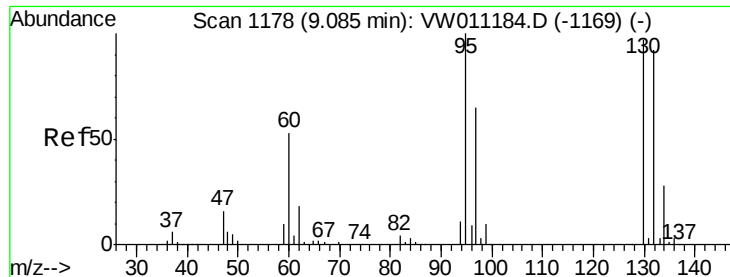
Acq: 10 Jul 2019 16:00

Tgt Ion: 78 Resp: 496353



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.141 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW011196.D

Acq: 10 Jul 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

Tgt Ion: 95 Resp: 123592

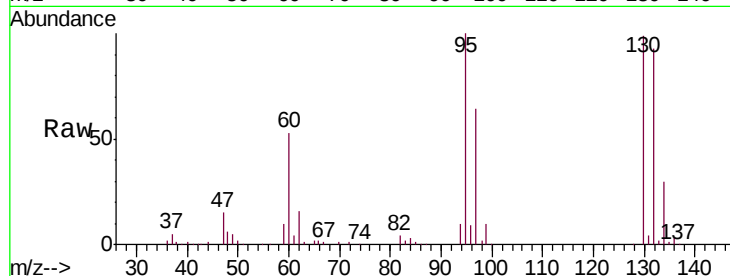
Ion Ratio Lower Upper

95 100

97 63.9 45.4 84.2

132 92.8 65.0 120.8

130 96.8 67.8 126.0

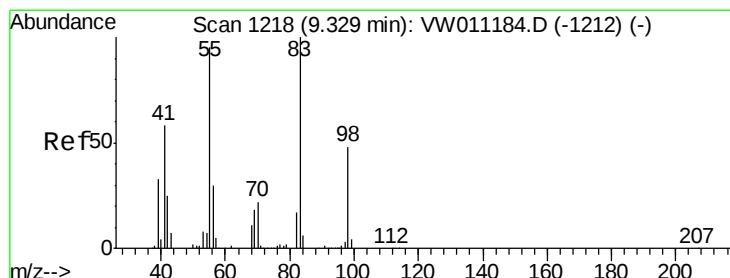
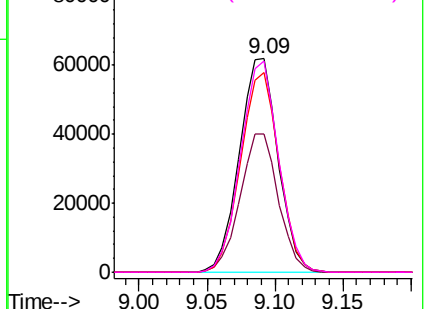
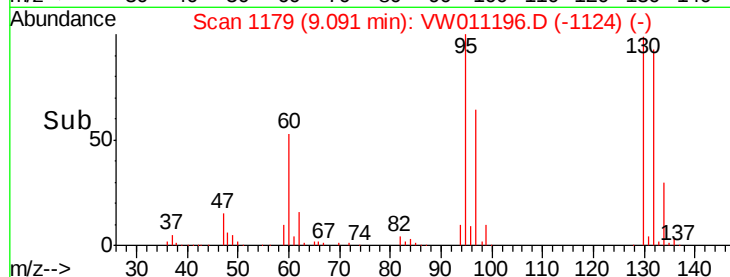


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 24.113 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VW011196.D

Acq: 10 Jul 2019 16:00

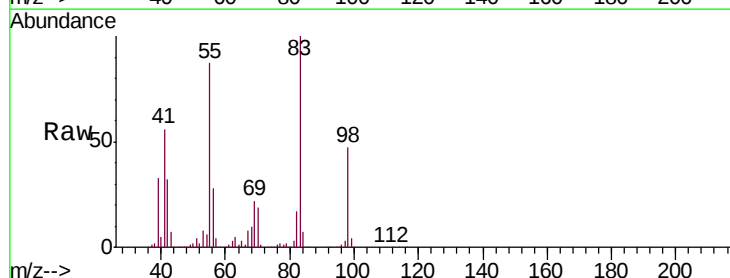
Tgt Ion: 83 Resp: 222156

Ion Ratio Lower Upper

83 100

55 88.5 72.2 108.4

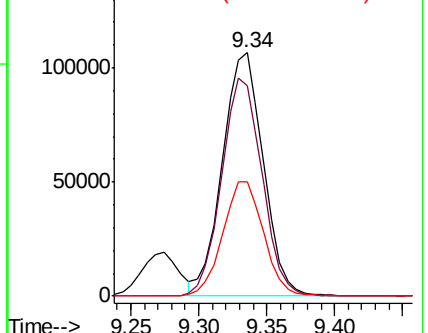
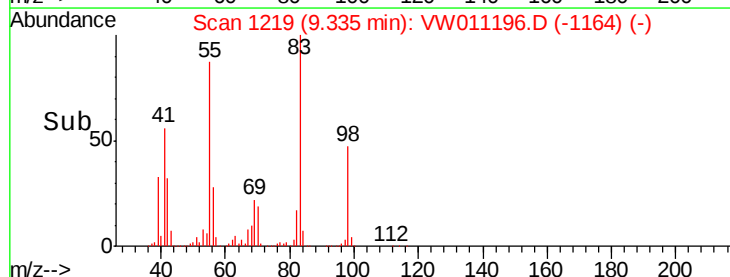
98 47.1 38.2 57.4

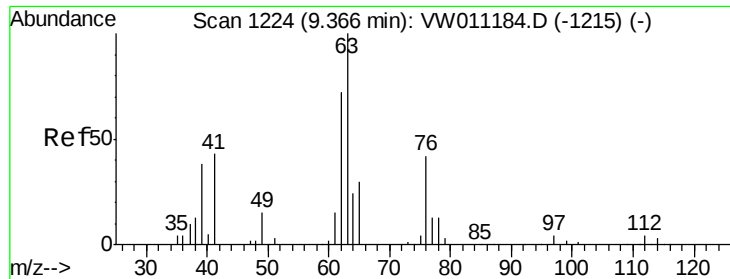


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

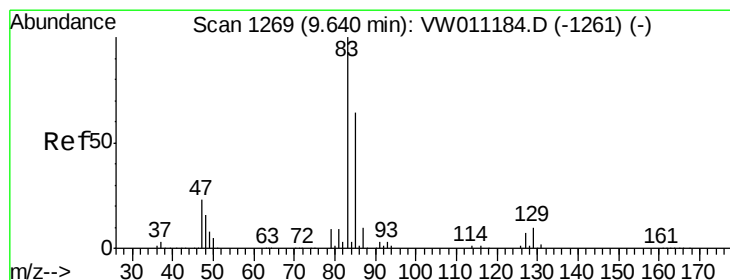
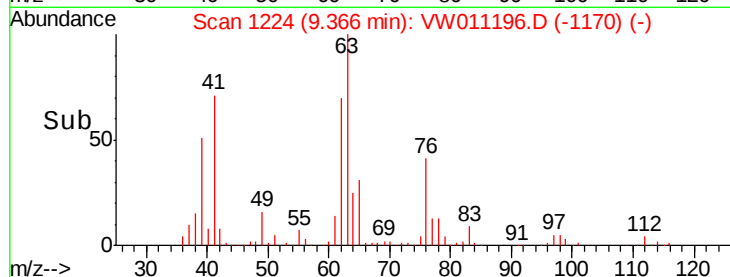
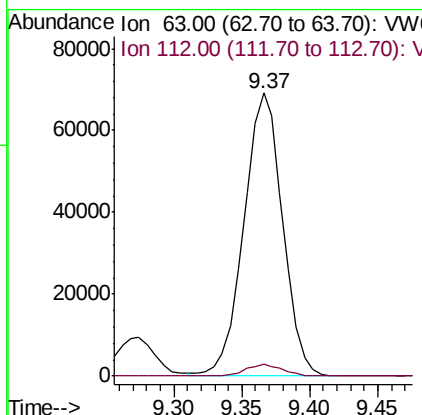
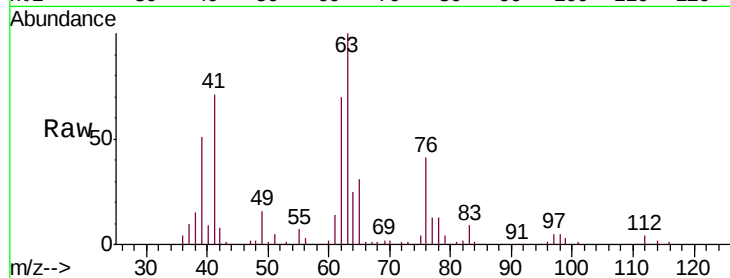




#40
 1,2-Dichloropropane
 Concen: 24.813 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011196.D
 Acq: 10 Jul 2019 16:00

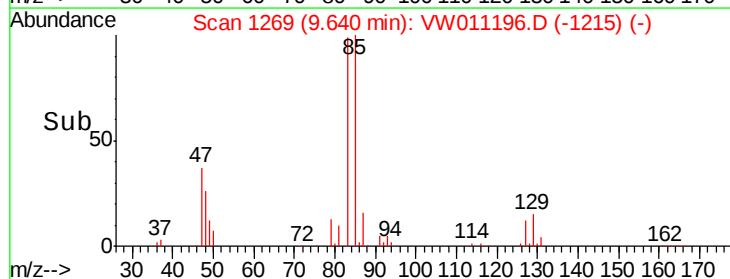
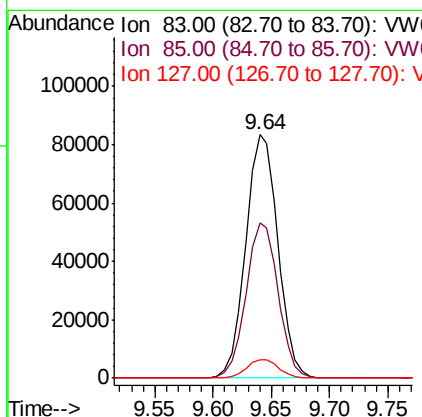
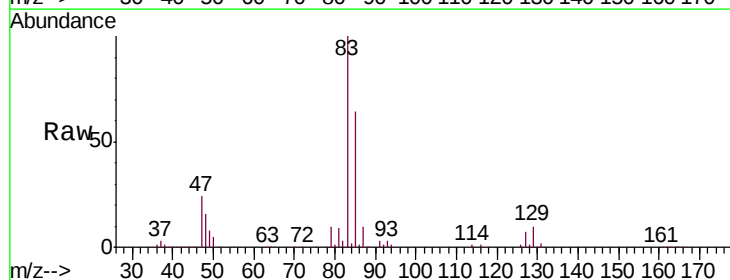
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

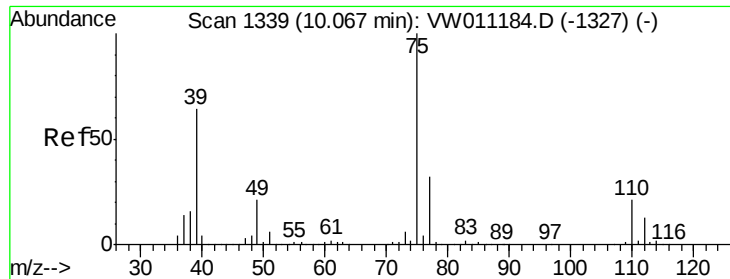
Tgt Ion: 63 Resp: 137939
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.6



#41
 Bromodichloromethane
 Concen: 25.132 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW011196.D
 Acq: 10 Jul 2019 16:00

Tgt Ion: 83 Resp: 161081
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.5 84.5
 127 7.3 5.8 8.8

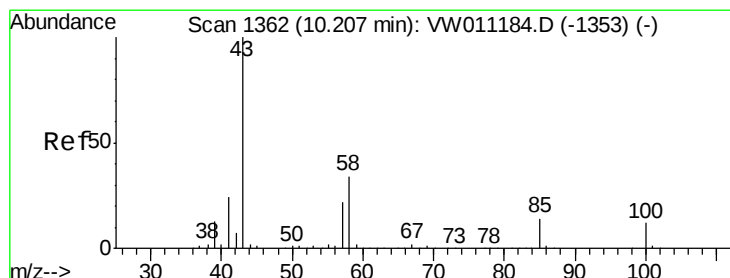
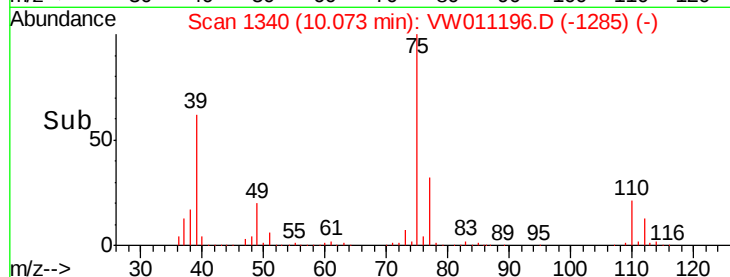
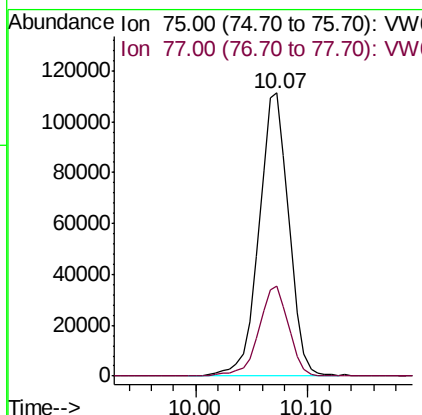
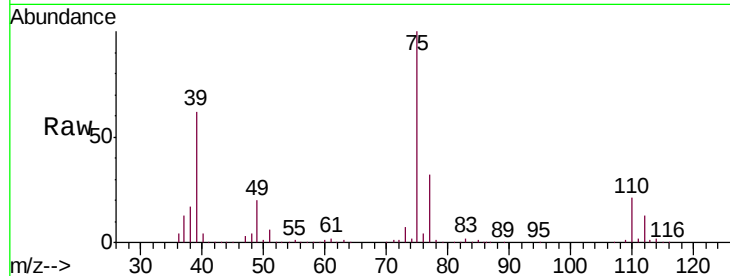




#42
 cis-1,3-Dichloropropene
 Concen: 25.406 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.01 min
 Lab File: VW011196.D
 Acq: 10 Jul 2019 16:00

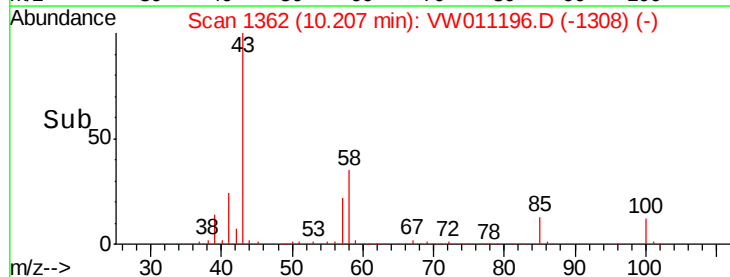
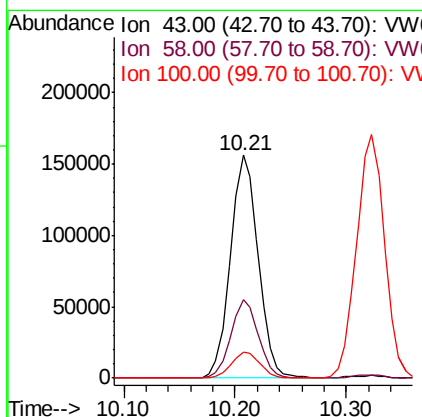
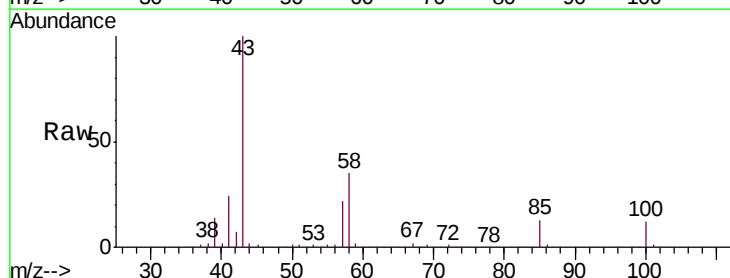
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

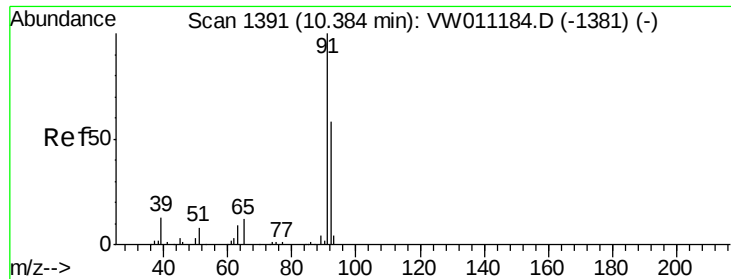
Tgt Ion: 75 Resp: 208396
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.1 39.1



#43
 4-Methyl-2-pentanone
 Concen: 52.451 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW011196.D
 Acq: 10 Jul 2019 16:00

Tgt Ion: 43 Resp: 270301
 Ion Ratio Lower Upper
 43 100
 58 34.7 28.1 42.1
 100 11.8 9.3 13.9





#44

Toluene

Concen: 24.592 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011196.D

Acq: 10 Jul 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

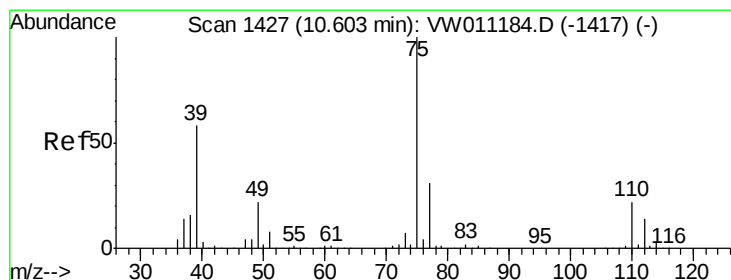
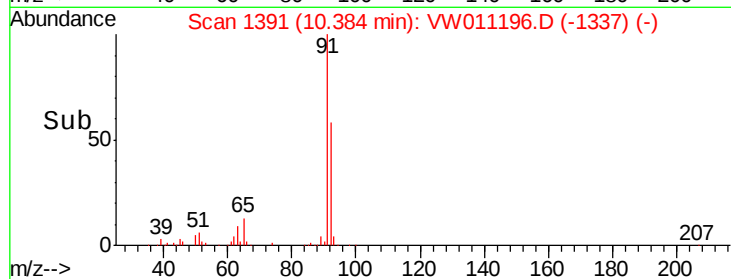
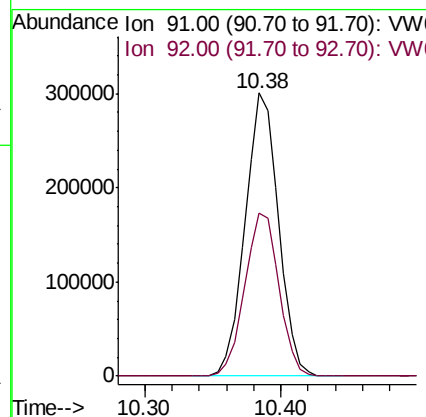
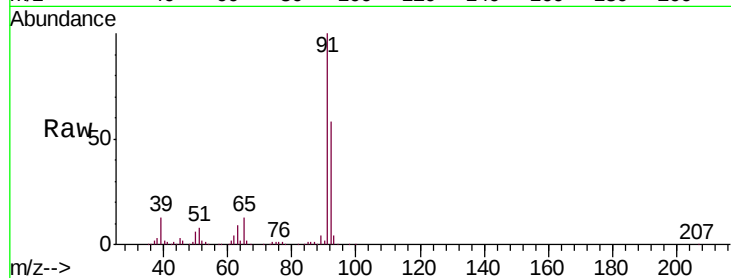
VSTD02518

Tgt Ion: 91 Resp: 516396

Ion Ratio Lower Upper

91 100

92 57.7 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 25.595 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011196.D

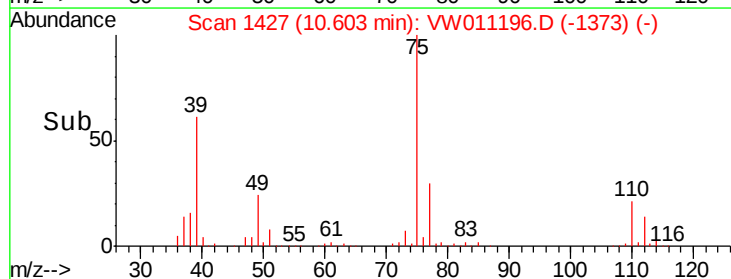
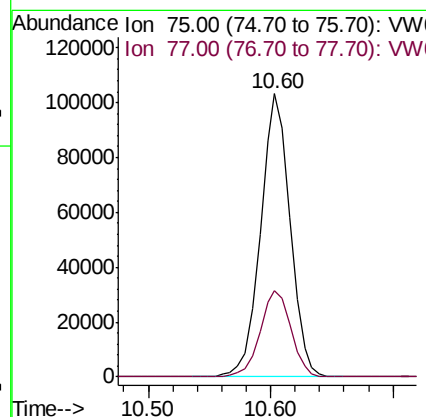
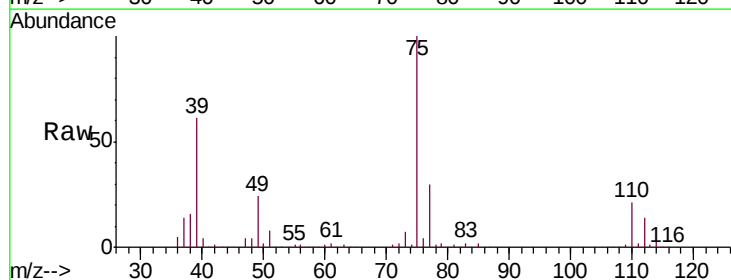
Acq: 10 Jul 2019 16:00

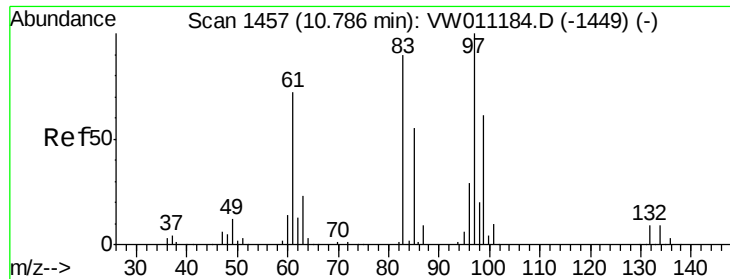
Tgt Ion: 75 Resp: 173715

Ion Ratio Lower Upper

75 100

77 30.3 22.3 41.5





#46

1,1,2-Trichloroethane

Concen: 24.976 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011196.D

Acq: 10 Jul 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

Tgt Ion: 97 Resp: 96150

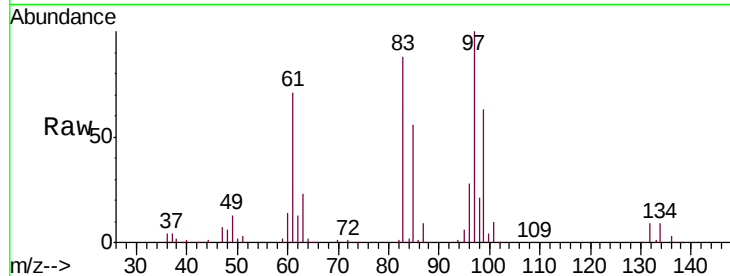
Ion Ratio Lower Upper

97 100

83 88.3 63.1 117.3

85 56.1 39.0 72.4

99 62.8 41.5 77.1



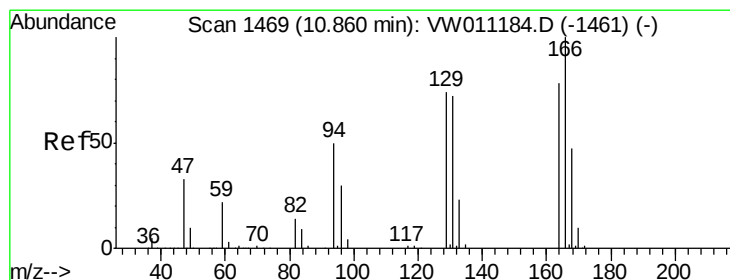
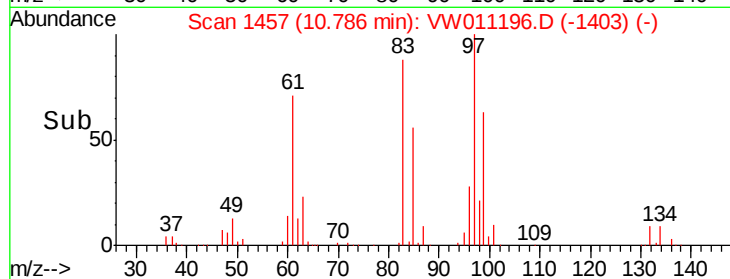
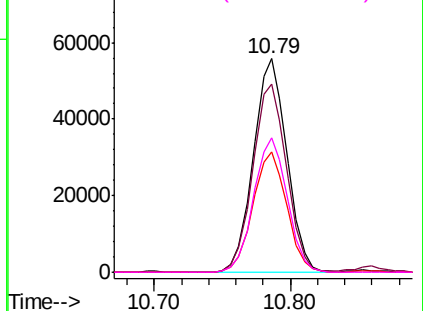
Abundance

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: 24.166 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW011196.D

Acq: 10 Jul 2019 16:00

Tgt Ion: 164 Resp: 93502

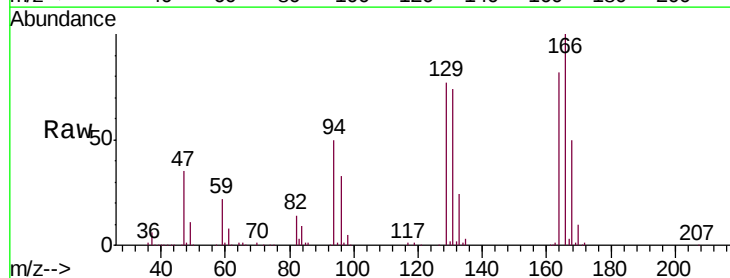
Ion Ratio Lower Upper

164 100

129 93.6 68.5 127.1

131 90.0 64.8 120.4

166 121.7 87.9 163.3



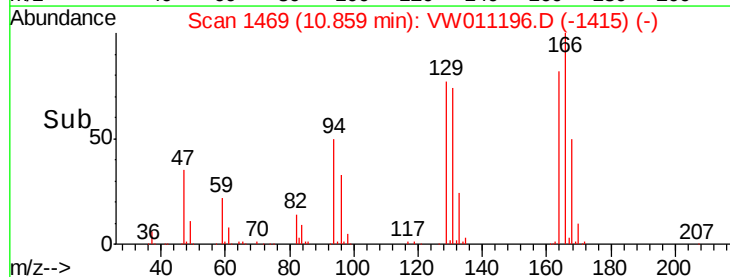
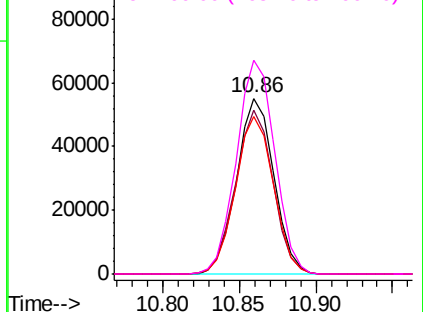
Abundance

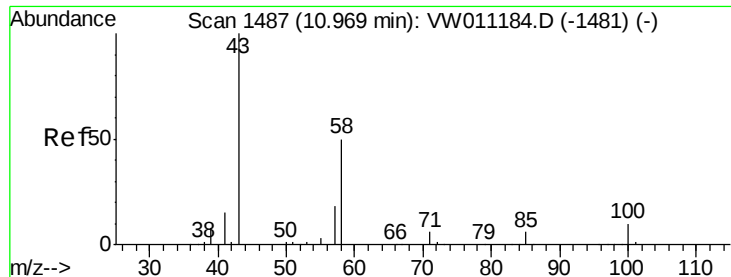
Ion 164.00 (163.70 to 164.70): V

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

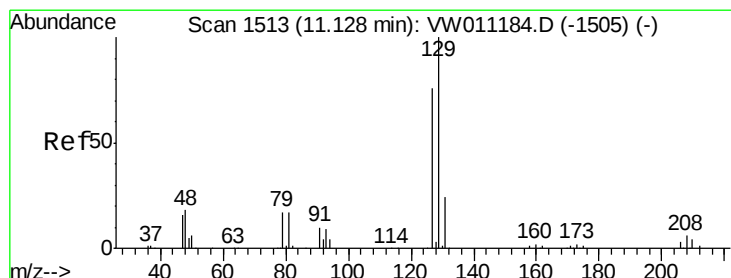
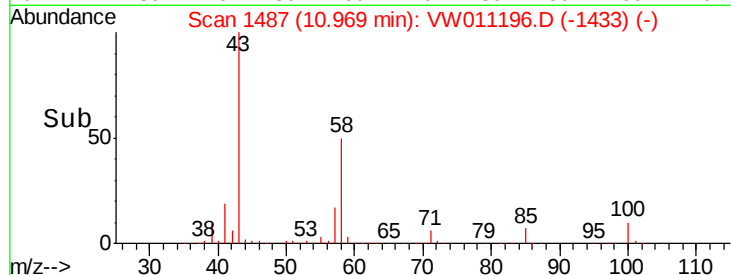
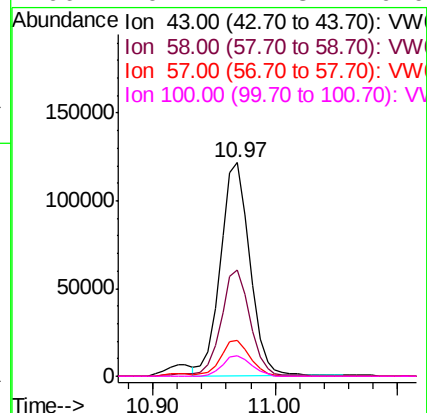
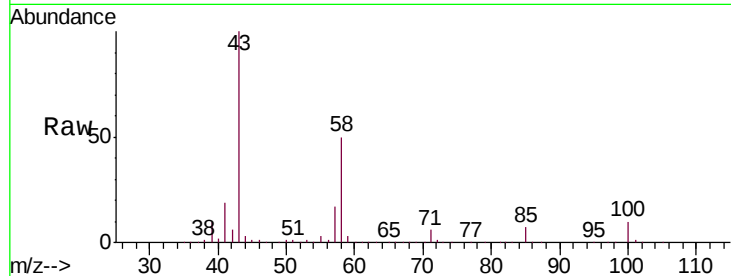




#49
2-Hexanone
Concen: 54.022 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011196.D
Acq: 10 Jul 2019 16:00

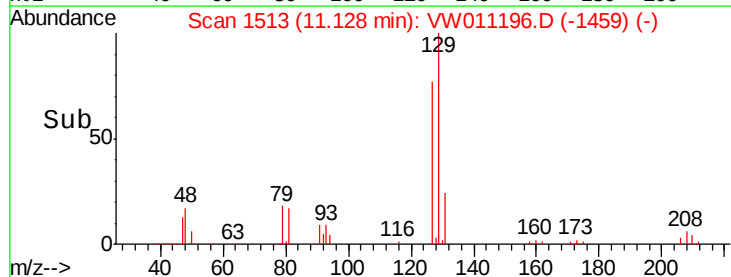
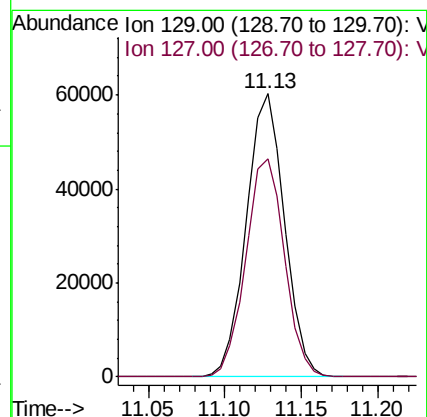
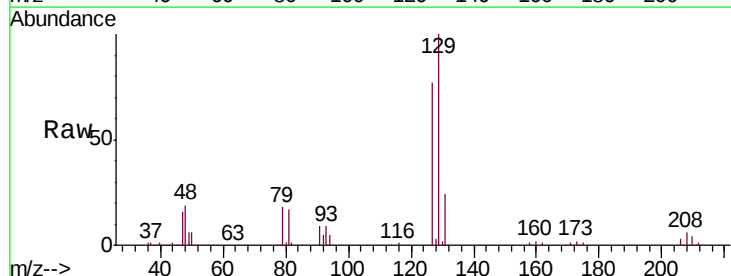
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

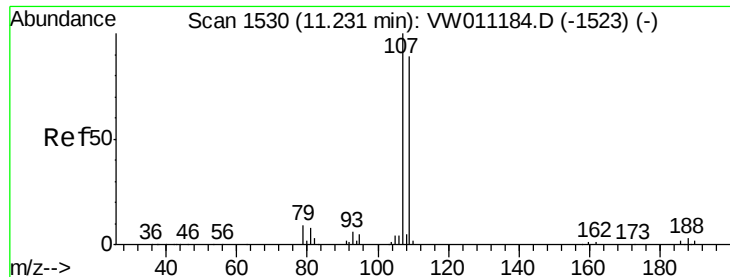
Tgt Ion: 43 Resp: 202647
Ion Ratio Lower Upper
43 100
58 48.4 38.4 57.6
57 17.0 13.3 19.9
100 9.7 7.3 10.9



#50
Dibromochloromethane
Concen: 25.512 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011196.D
Acq: 10 Jul 2019 16:00

Tgt Ion: 129 Resp: 104586
Ion Ratio Lower Upper
129 100
127 76.9 53.3 99.1

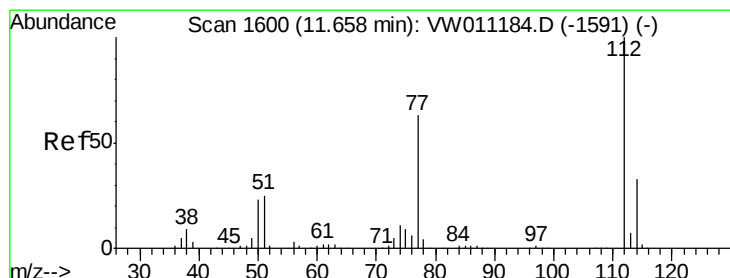
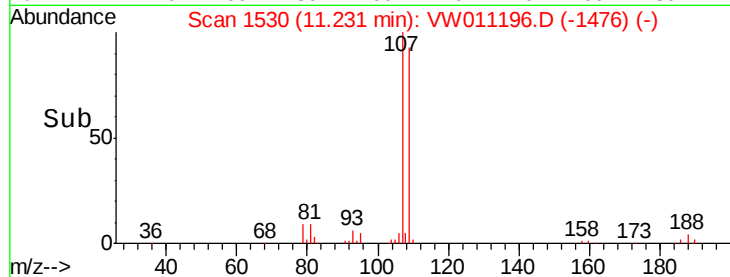
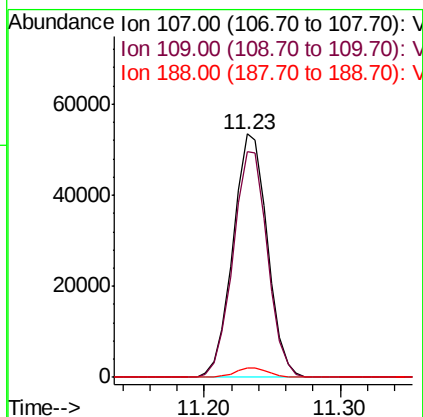
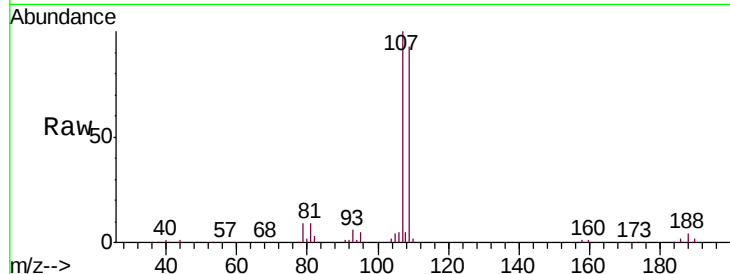




#51
 1,2-Dibromoethane
 Concen: 25.310 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW011196.D
 Acq: 10 Jul 2019 16:00

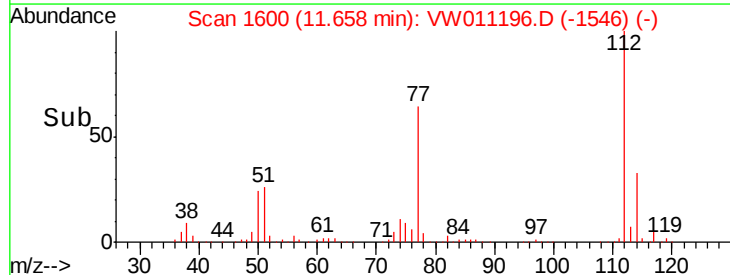
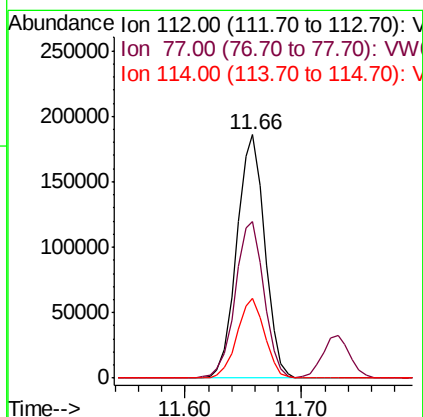
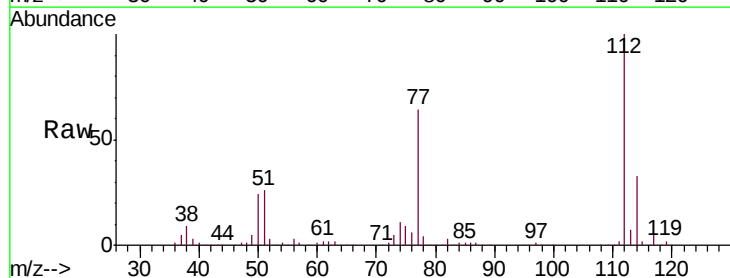
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

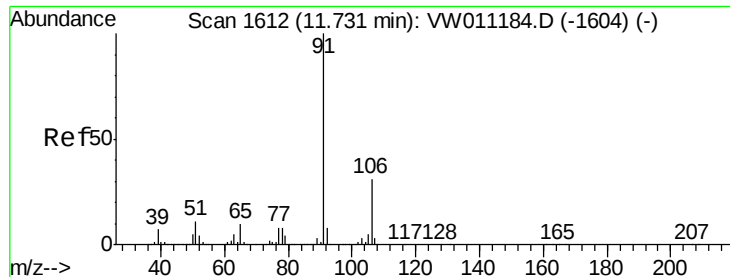
Tgt Ion:107 Resp: 94085
 Ion Ratio Lower Upper
 107 100
 109 93.0 64.3 119.3
 188 3.9 3.2 4.8



#52
 Chlorobenzene
 Concen: 24.317 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW011196.D
 Acq: 10 Jul 2019 16:00

Tgt Ion:112 Resp: 311966
 Ion Ratio Lower Upper
 112 100
 77 64.1 51.2 76.8
 114 32.6 22.0 40.8

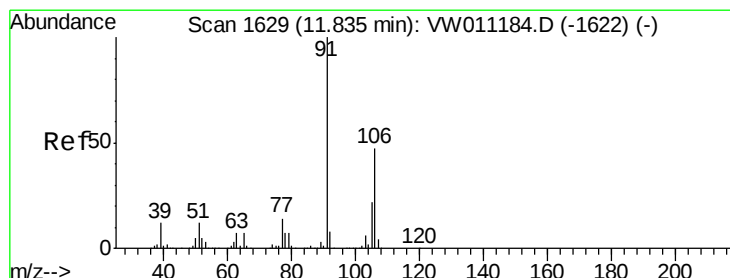
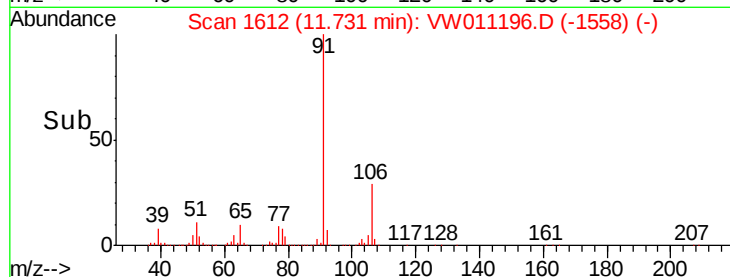
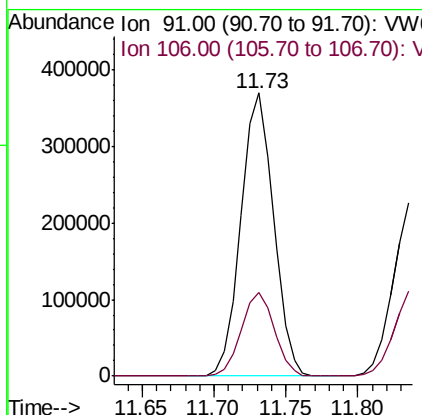
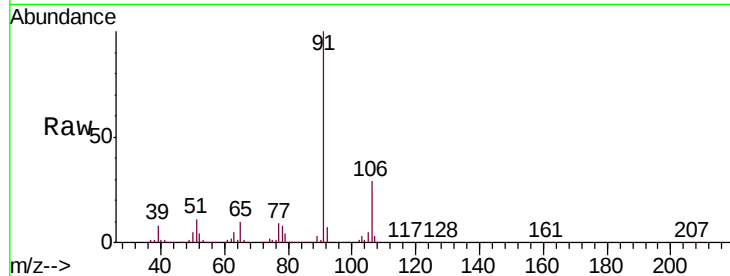




#53
Ethylbenzene
Concen: 24.505 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011196.D
Acq: 10 Jul 2019 16:00

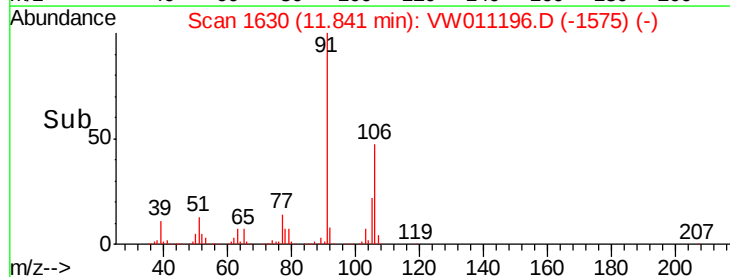
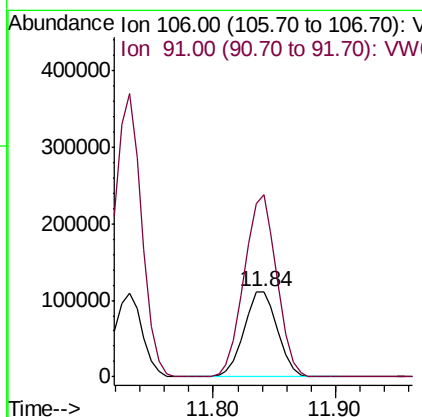
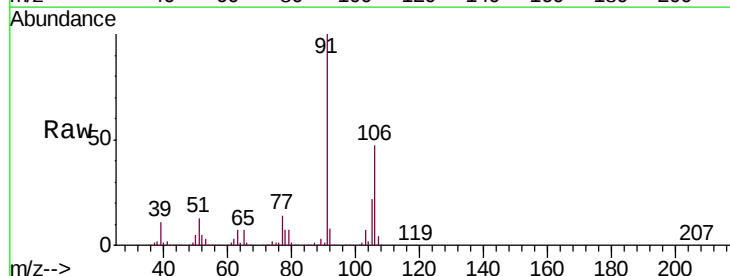
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

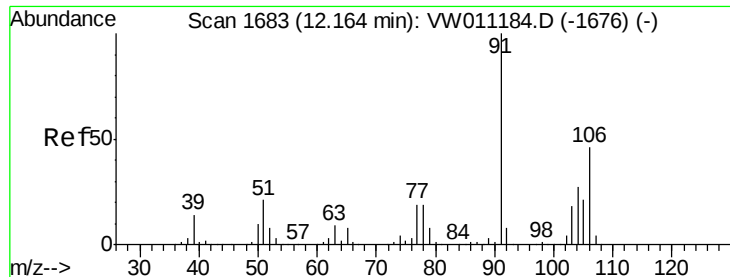
Tgt Ion: 91 Resp: 583682
Ion Ratio Lower Upper
91 100
106 29.5 20.6 38.4



#54
m,p-Xylene
Concen: 24.405 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011196.D
Acq: 10 Jul 2019 16:00

Tgt Ion: 106 Resp: 211051
Ion Ratio Lower Upper
106 100
91 213.7 142.6 264.8

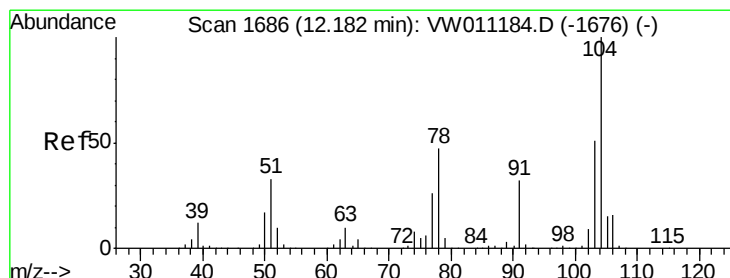
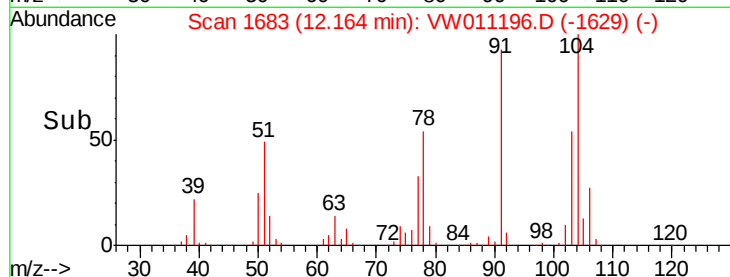
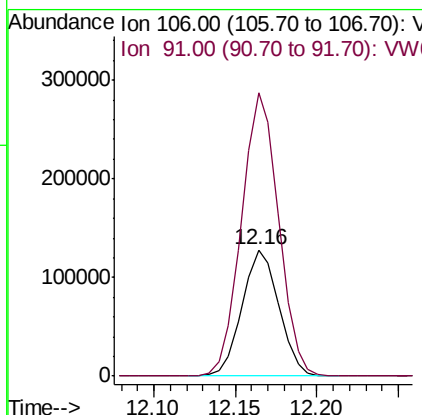
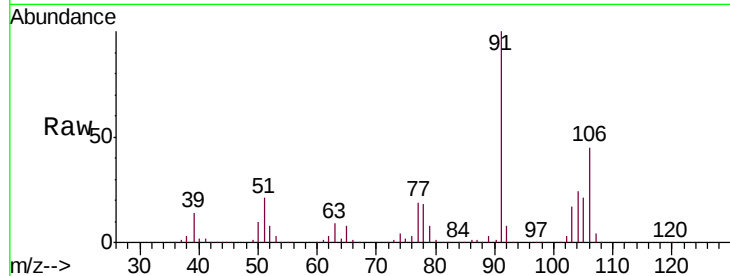




#55
o-xylene
Concen: 24.566 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011196.D
Acq: 10 Jul 2019 16:00

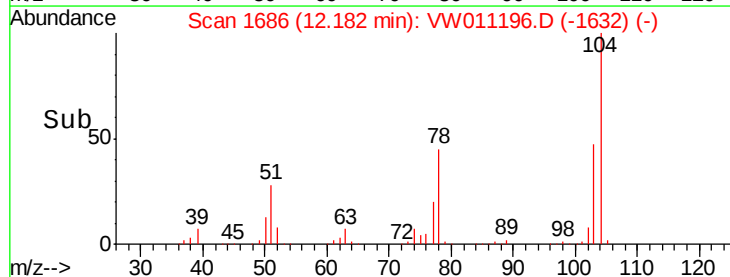
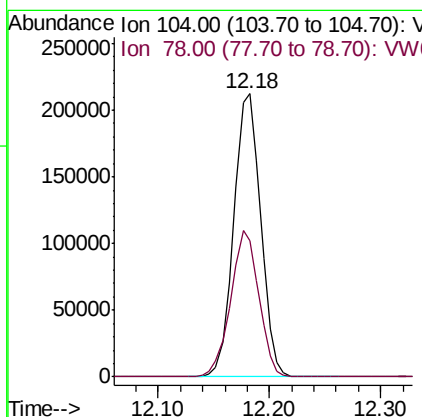
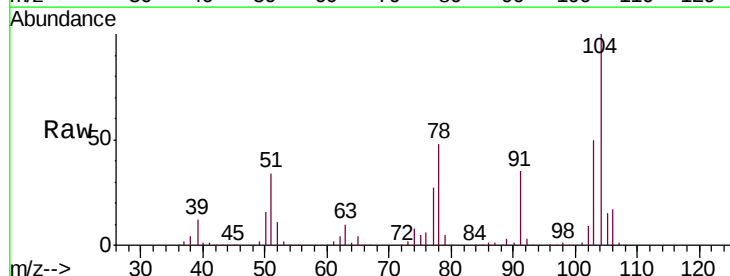
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

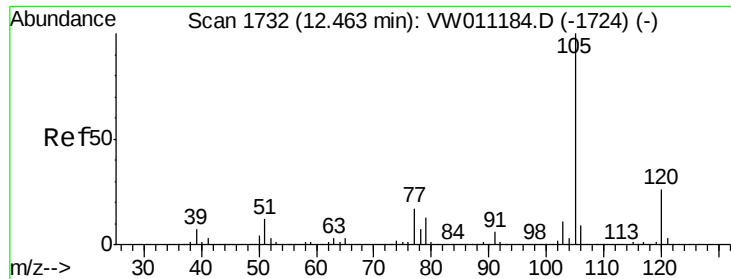
Tgt Ion:106 Resp: 202094
Ion Ratio Lower Upper
106 100
91 224.4 154.6 287.2



#56
Styrene
Concen: 25.144 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011196.D
Acq: 10 Jul 2019 16:00

Tgt Ion:104 Resp: 354846
Ion Ratio Lower Upper
104 100
78 48.0 33.7 62.7





#57

Isopropylbenzene

Concen: 24.752 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011196.D

Acq: 10 Jul 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

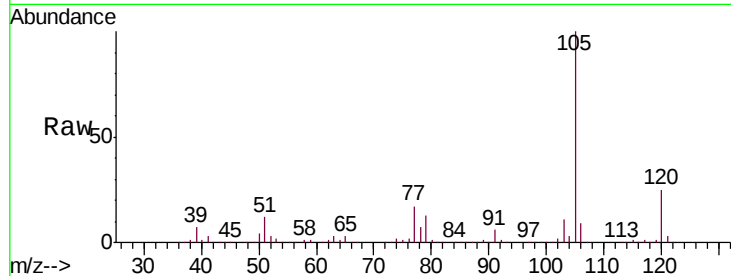
Tgt Ion: 105 Resp: 555848

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

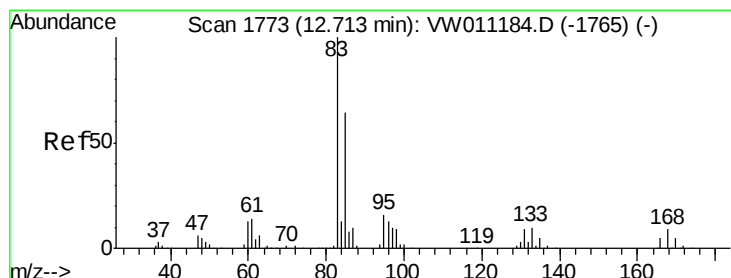
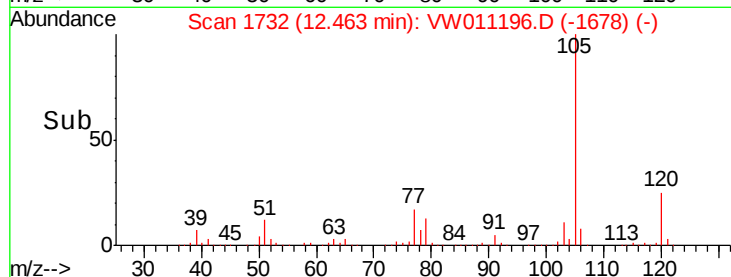
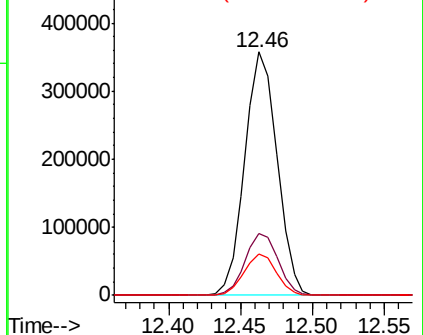
77 17.0 13.5 20.3



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: 26.308 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011196.D

Acq: 10 Jul 2019 16:00

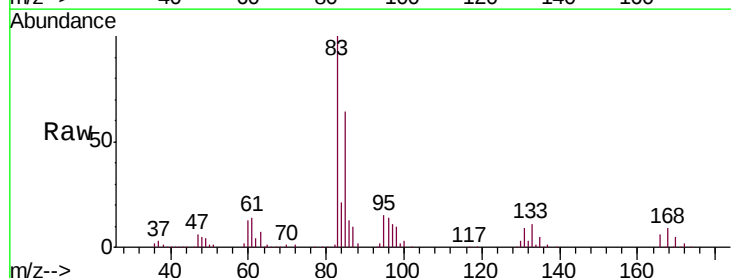
Tgt Ion: 83 Resp: 134736

Ion Ratio Lower Upper

83 100

85 64.2 44.0 81.6

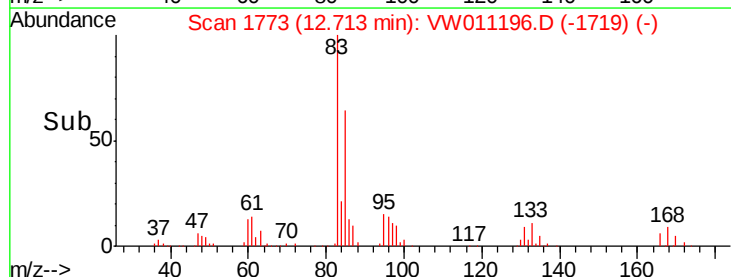
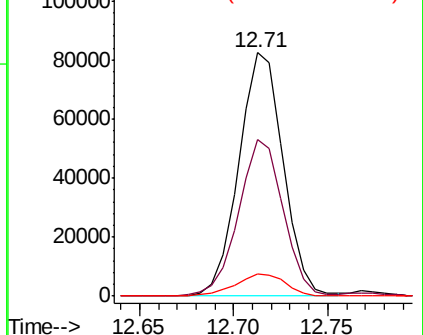
131 8.9 6.7 10.1

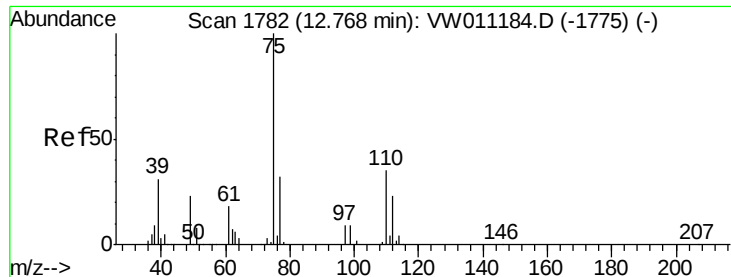


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

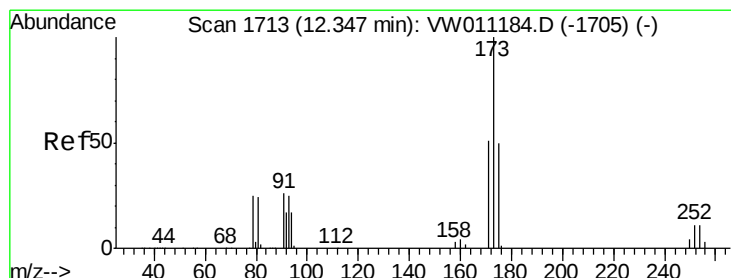
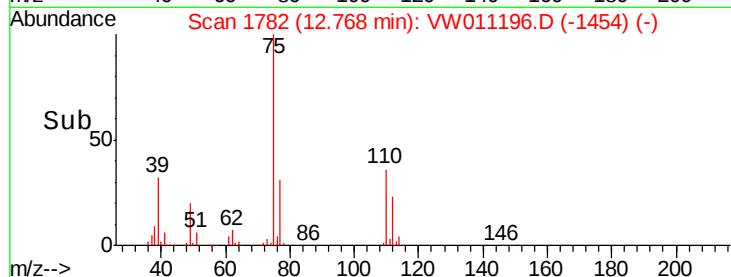
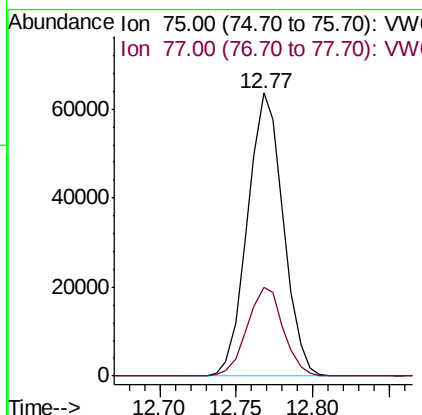
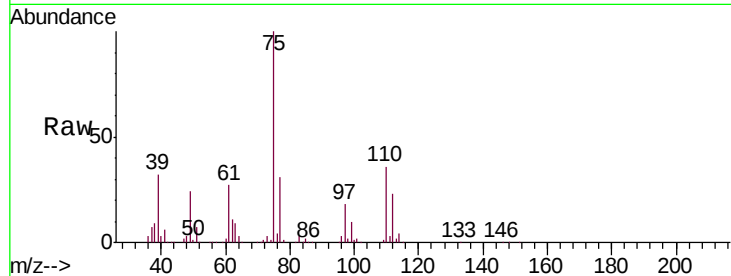




#59
 1,2,3-Trichloropropane
 Concen: 26.322 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW011196.D
 Acq: 10 Jul 2019 16:00

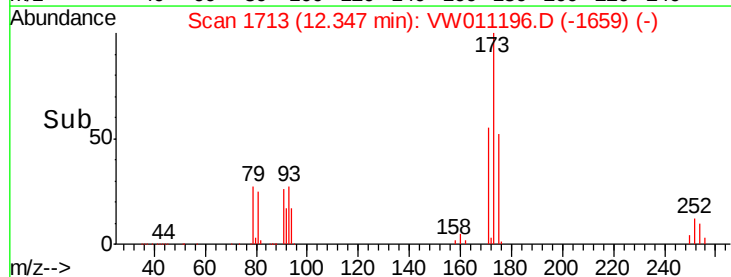
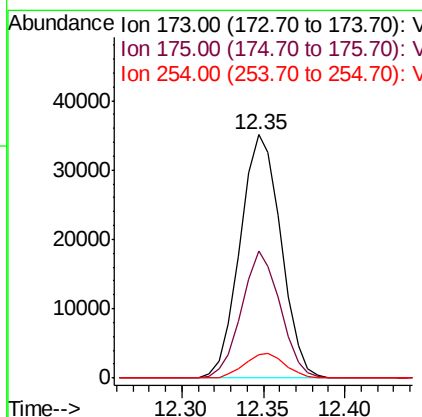
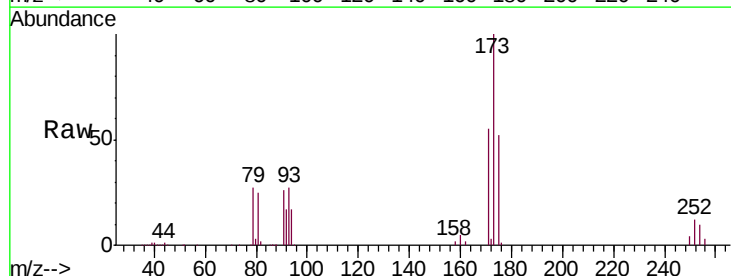
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

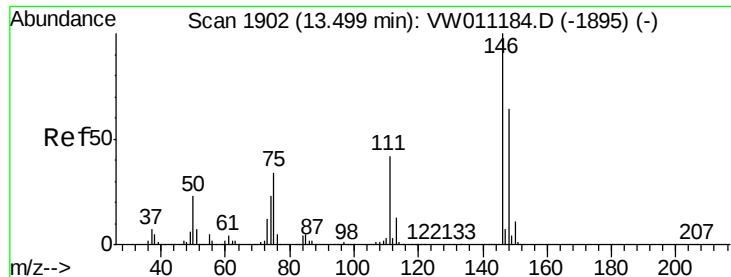
Tgt Ion: 75 Resp: 103528
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.0



#62
 Bromoform
 Concen: 25.920 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW011196.D
 Acq: 10 Jul 2019 16:00

Tgt Ion: 173 Resp: 61246
 Ion Ratio Lower Upper
 173 100
 175 49.4 39.0 58.6
 254 10.0 8.5 12.7

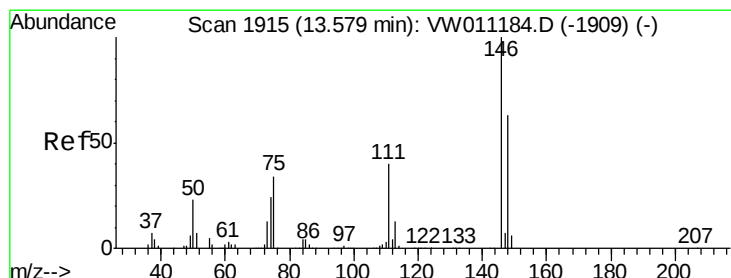
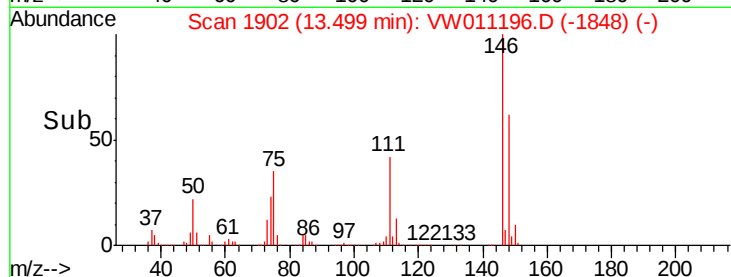
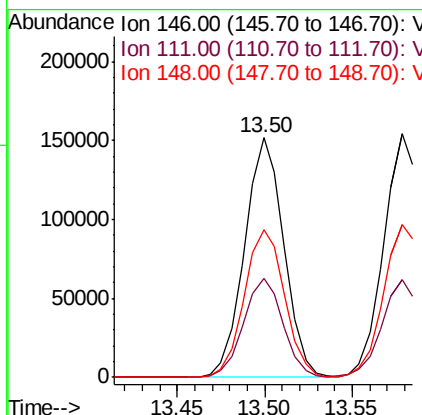
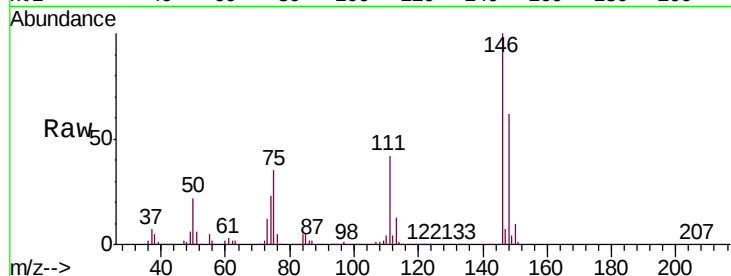




#63
 1,3-Dichlorobenzene
 Concen: 24.420 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011196.D
 Acq: 10 Jul 2019 16:00

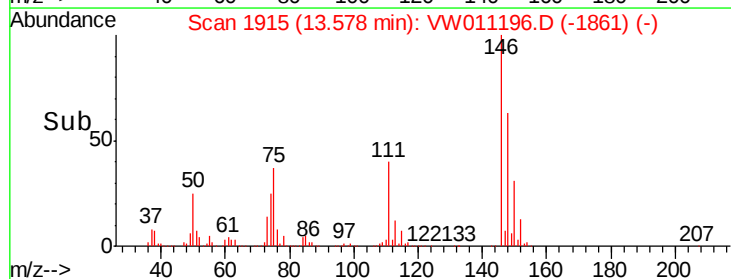
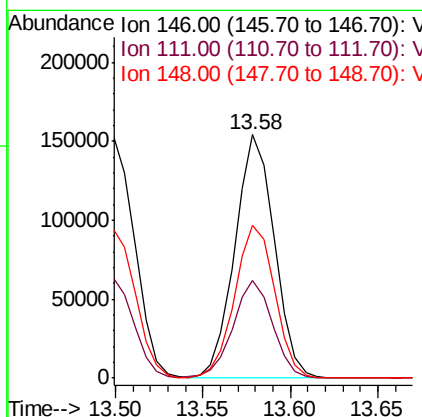
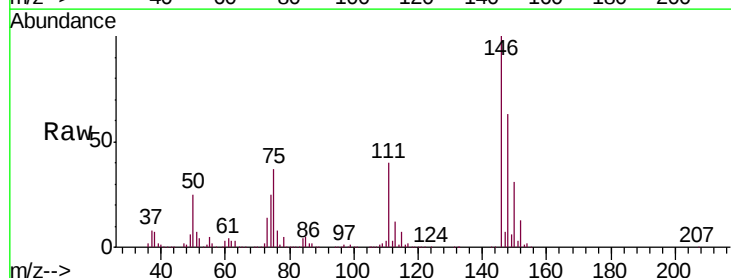
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

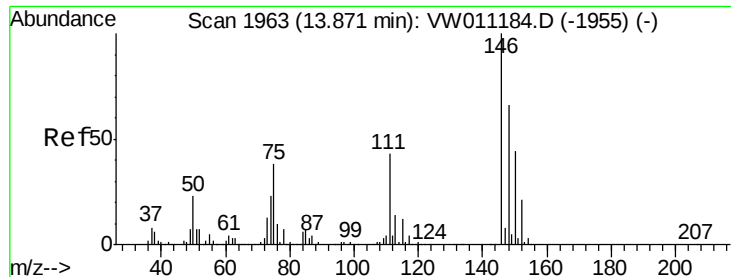
Tgt Ion:146 Resp: 238208
 Ion Ratio Lower Upper
 146 100
 111 41.6 29.0 53.8
 148 61.9 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 24.305 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011196.D
 Acq: 10 Jul 2019 16:00

Tgt Ion:146 Resp: 242704
 Ion Ratio Lower Upper
 146 100
 111 40.3 27.5 51.1
 148 62.9 43.8 81.3

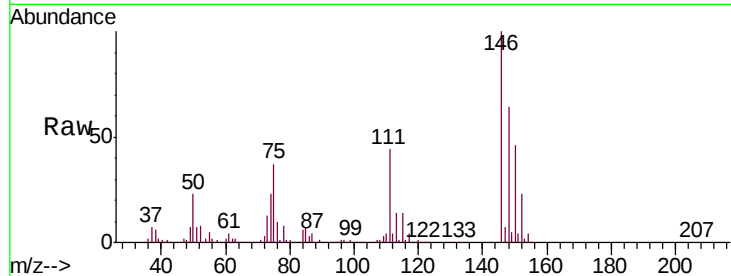




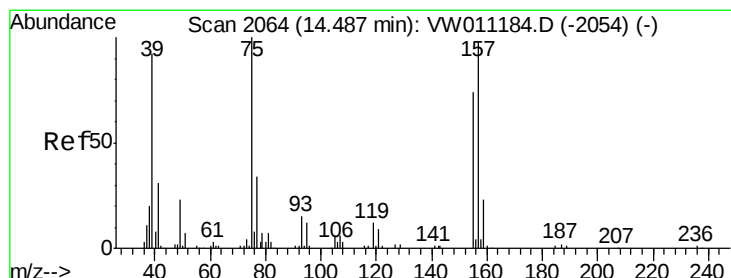
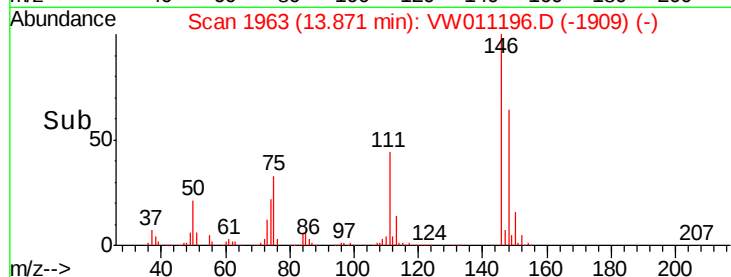
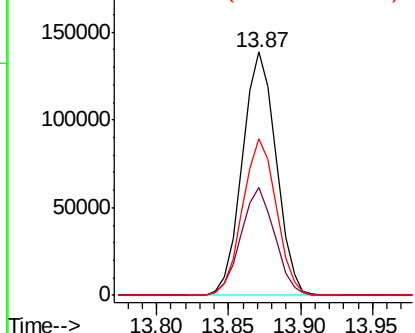
#65
 1,2-Dichlorobenzene
 Concen: 24.842 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011196.D
 Acq: 10 Jul 2019 16:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

Tgt Ion: 146 Resp: 225561
 Ion Ratio Lower Upper
 146 100
 111 44.4 34.1 51.1
 148 64.1 51.0 76.4

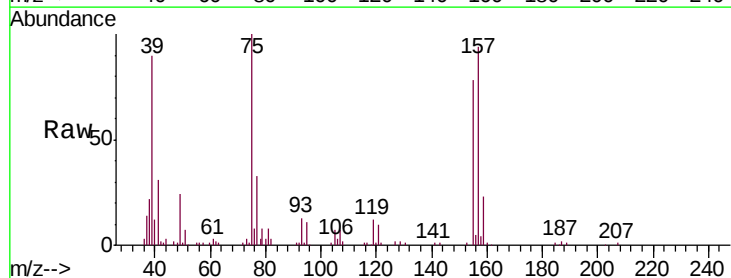


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

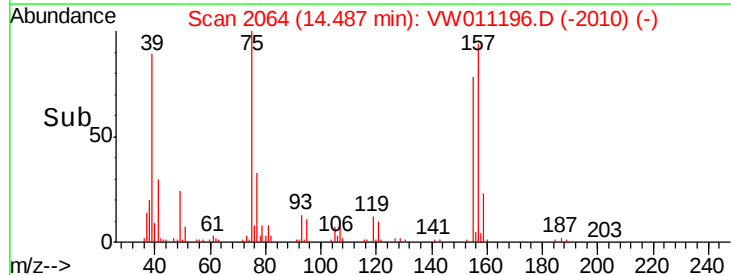
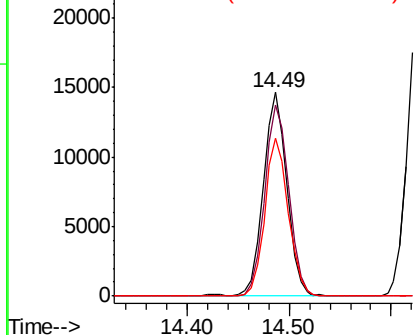


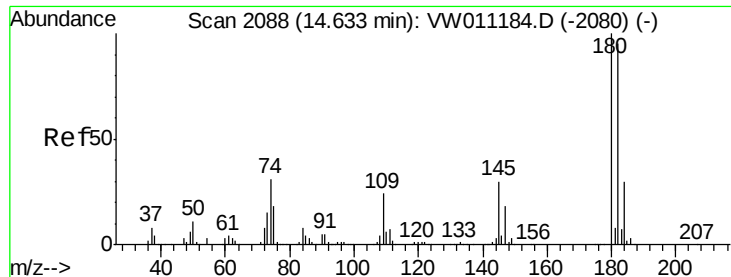
#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.495 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011196.D
 Acq: 10 Jul 2019 16:00

Tgt Ion: 75 Resp: 23619
 Ion Ratio Lower Upper
 75 100
 157 93.7 75.3 112.9
 155 77.7 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

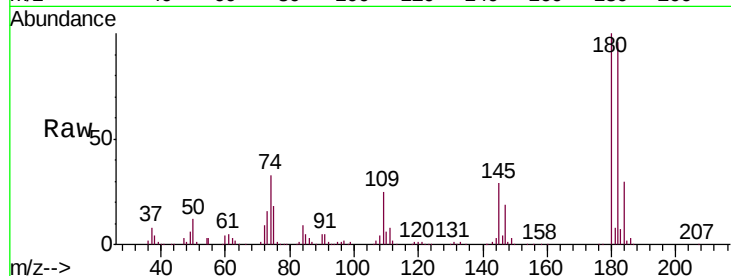




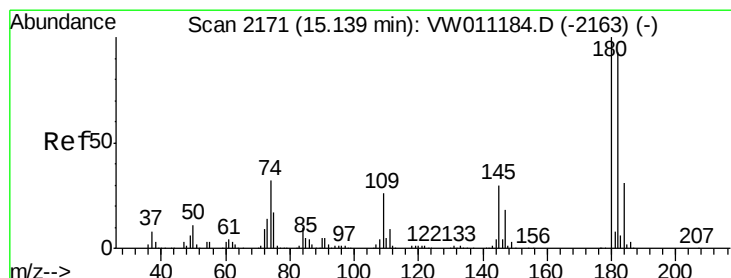
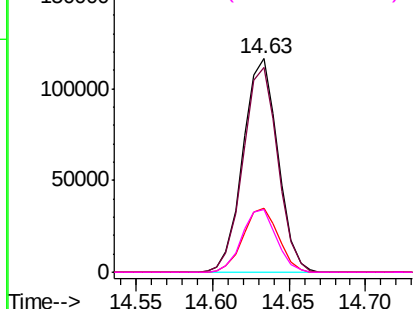
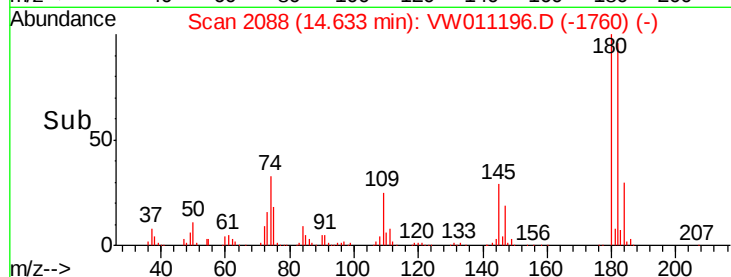
#67
 1,3,5-Trichlorobenzene
 Concen: 24.987 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW011196.D
 Acq: 10 Jul 2019 16:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

Tgt Ion:	180	Resp:	184674
Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.0	115.4
184	30.2	24.3	36.5
145	29.2	24.2	36.2

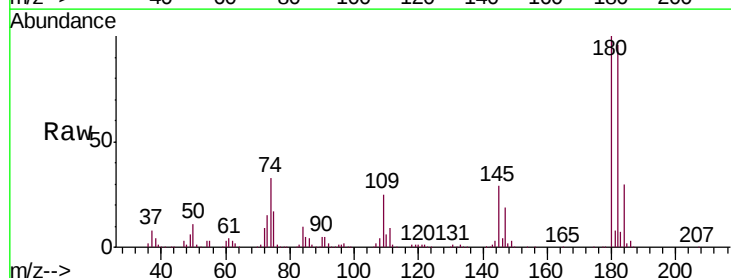


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

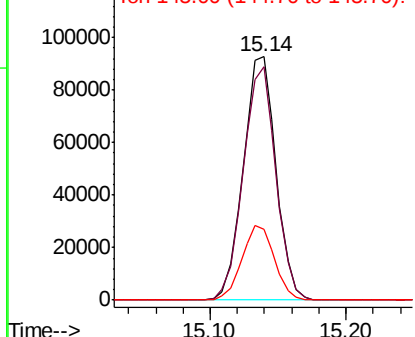
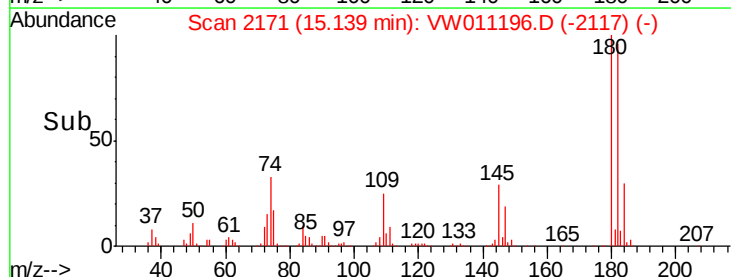


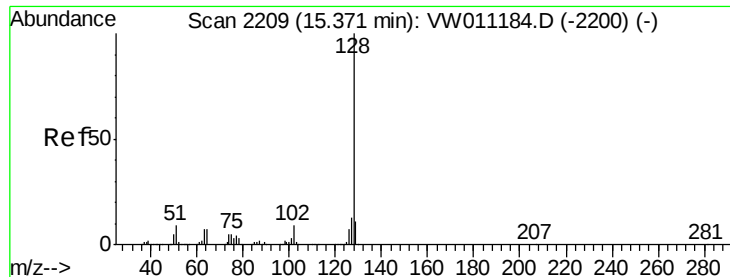
#68
 1,2,4-trichlorobenzene
 Concen: 25.126 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW011196.D
 Acq: 10 Jul 2019 16:00

Tgt Ion:	180	Resp:	155569
Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.0	115.6
145	30.4	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: 27.121 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW011196.D

Acq: 10 Jul 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

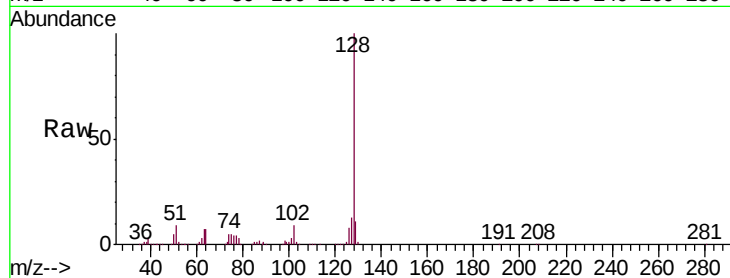
Tgt Ion:128 Resp: 351677

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.4

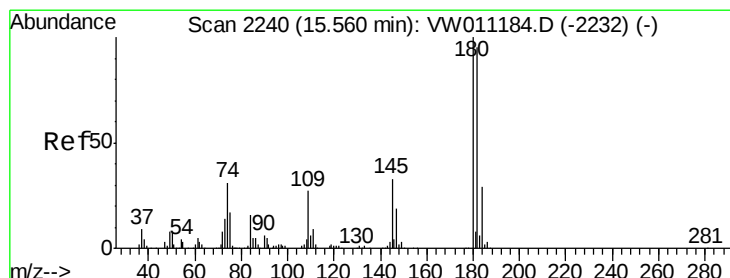
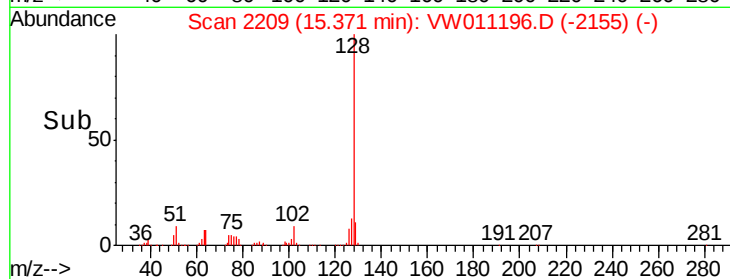
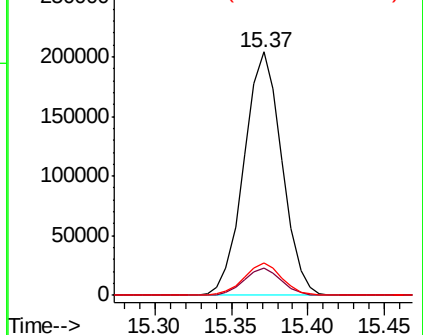
127 13.2 10.6 15.8



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: 25.351 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011196.D

Acq: 10 Jul 2019 16:00

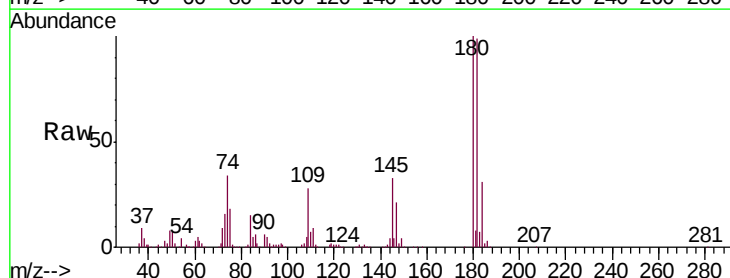
Tgt Ion:180 Resp: 143612

Ion Ratio Lower Upper

180 100

182 96.3 76.4 114.6

145 32.5 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

