

Data File : VW013573.D
Acq On : 14 Oct 2019 19:54
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

Quant Time: Oct 15 02:05:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 15 02:01:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	435443	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	396503	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	204817	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	118414	23.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.04%
7) Chloroethane-d5	2.89	69	90692	23.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.80%
10) 1,1-Dichloroethene-d2	4.02	63	256185	24.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.08%
20) 2-Butanone-d5	7.07	46	98612	65.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.38%
24) Chloroform-d	7.65	84	248933	26.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.28%
26) 1,2-Dichloroethane-d4	8.31	65	133125	27.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.64%
29) Benzene-d6	8.27	84	533383	25.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.44%
33) 1,2-Dichloropropane-d6	9.27	67	158564	25.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.64%
37) Toluene-d8	10.32	98	501757	24.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.56%
38) trans-1,3-Dichloropropene-	10.57	79	71584	25.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.00%
39) 2-Hexanone-d5	10.92	63	79868	63.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	150105	29.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	189778	25.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.12%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	61268	25.822 ug/L	92
3) Chloromethane	2.21	50	95582	22.927 ug/L	98
5) Vinyl chloride	2.36	62	142081	24.088 ug/L	97
6) Bromomethane	2.78	94	87076	24.102 ug/L	100
8) Chloroethane	2.92	64	79434	24.010 ug/L	98
9) Trichlorofluoromethane	3.26	101	66966	21.778 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	136850	25.077 ug/L	99
12) 1,1-Dichloroethene	4.04	96	139181	25.463 ug/L	98
13) Acetone	4.13	43	77408	44.866 ug/L	99
14) Carbon disulfide	4.38	76	407163	24.409 ug/L	100
15) Methyl Acetate	4.67	43	83425	30.998 ug/L	100
16) Methylene chloride	4.92	84	146575	22.224 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	239905	27.312 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	146958	25.194 ug/L	99
19) 1,1-Dichloroethane	6.21	63	252195	25.752 ug/L	99
21) 2-Butanone	7.17	43	113704	53.870 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	159609	25.584 ug/L	94

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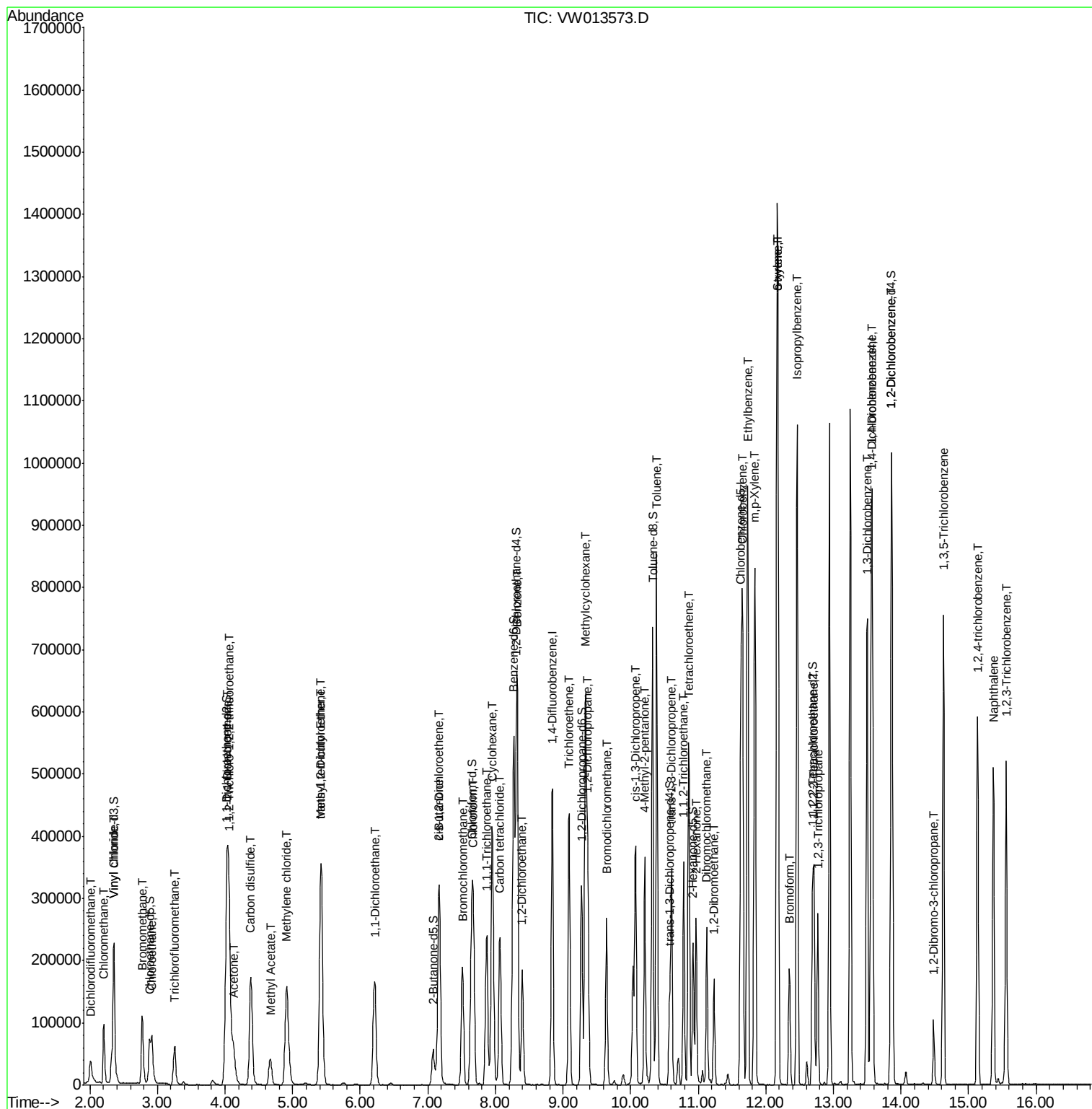
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	73509	26.315	ug/L	92
25) Chloroform	7.68	83	250827	25.963	ug/L	100
27) 1,2-Dichloroethane	8.40	62	166569	27.260	ug/L	99
30) Cyclohexane	7.95	56	243812	23.386	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	200917	25.158	ug/L	99
32) Carbon tetrachloride	8.07	117	189332	24.716	ug/L	99
34) Benzene	8.32	78	595403	24.856	ug/L	100
35) Trichloroethene	9.09	95	154866	24.786	ug/L	98
36) Methylcyclohexane	9.34	83	272274	23.963	ug/L	99
40) 1,2-Dichloropropane	9.37	63	146423	25.374	ug/L	99
41) Bromodichloromethane	9.64	83	183874	25.943	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	235345	25.422	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	236452	58.728	ug/L	100
44) Toluene	10.38	91	648976	24.999	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	193909	26.527	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	118785	27.117	ug/L	99
47) Tetrachloroethene	10.86	164	140454	24.664	ug/L	95
49) 2-Hexanone	10.97	43	166474	56.891	ug/L	97
50) Dibromochloromethane	11.13	129	140106	27.166	ug/L	100
51) 1,2-Dibromoethane	11.23	107	118253	27.482	ug/L	100
52) Chlorobenzene	11.66	112	413893	25.121	ug/L	99
53) Ethylbenzene	11.73	91	720163	25.062	ug/L	97
54) m,p-Xylene	11.84	106	278629	24.856	ug/L	100
55) o-xylene	12.16	106	265900	25.412	ug/L	99
56) Styrene	12.18	104	460644	25.849	ug/L	94
57) Isopropylbenzene	12.46	105	716629	25.246	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	153686	29.696	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	115188	29.807	ug/L	99
62) Bromoform	12.35	173	92040	27.939	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	339181	24.713	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	335420	24.551	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	312023	25.285	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	25735	30.208	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	252923	24.416	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	216554	25.222	ug/L	99
69) Naphthalene	15.36	128	445255	28.472	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	195961	25.631	ug/L	98

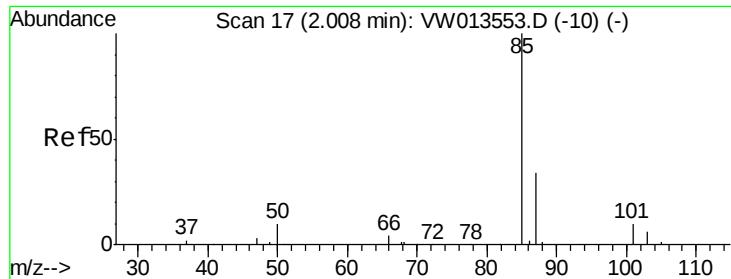
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.822 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

Instrument :

MSVOA_W

ClientSampleId :

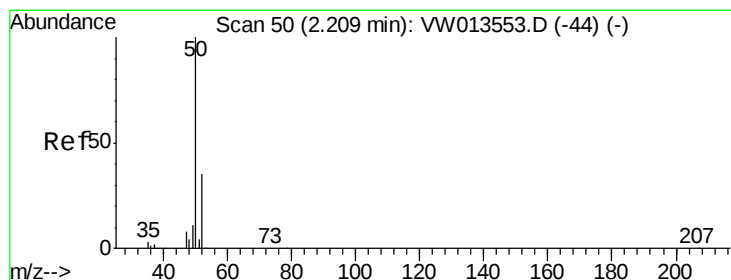
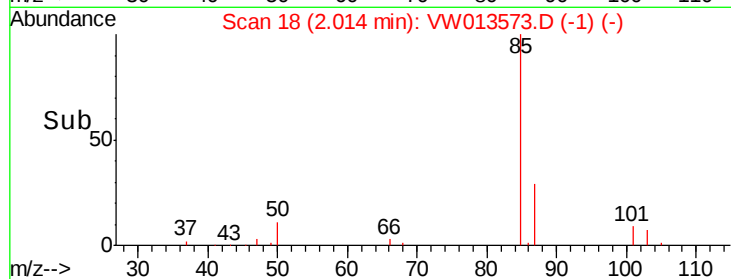
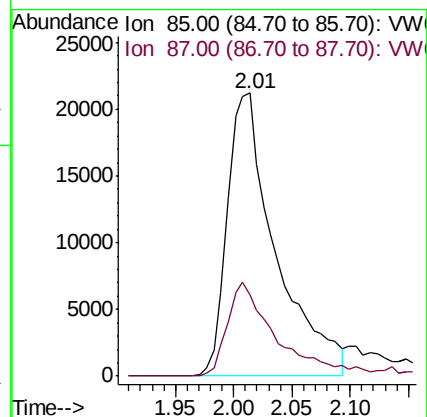
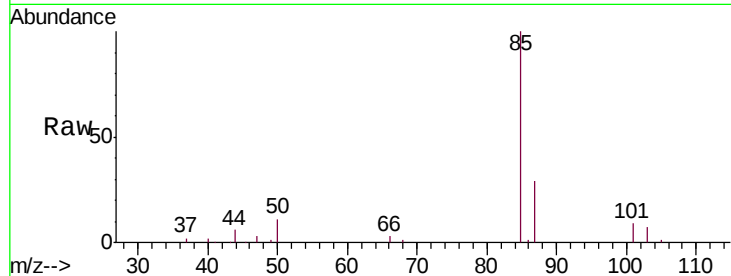
VSTD02514

Tgt Ion: 85 Resp: 61268

Ion Ratio Lower Upper

85 100

87 33.5 20.4 38.0



#3

Chloromethane

Concen: 22.927 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013573.D

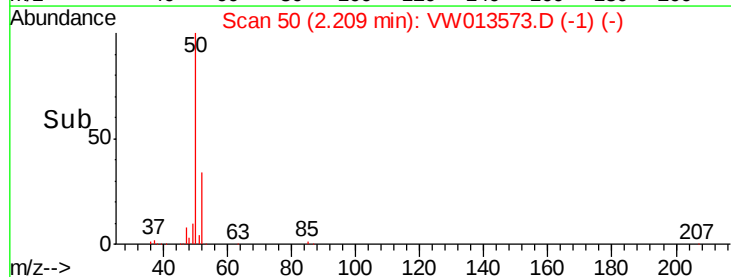
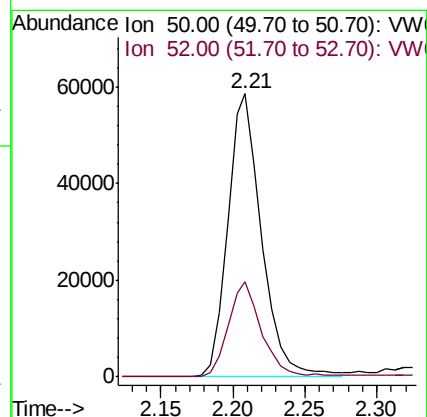
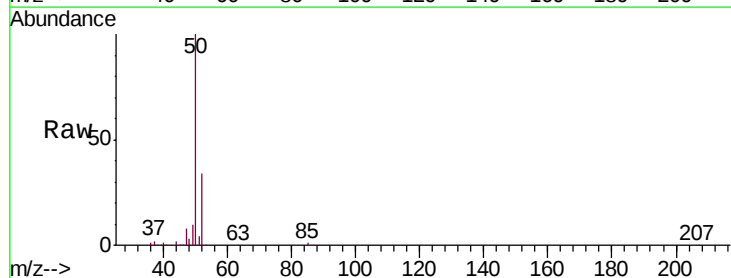
Acq: 14 Oct 2019 19:54

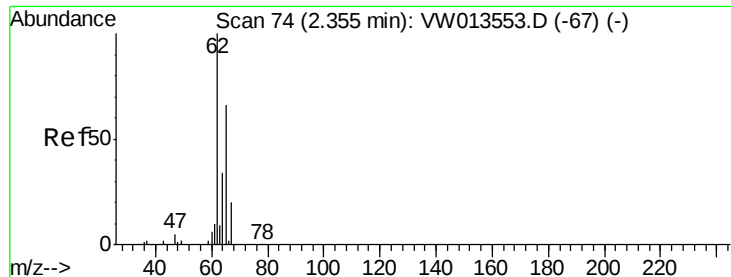
Tgt Ion: 50 Resp: 95582

Ion Ratio Lower Upper

50 100

52 33.6 22.6 42.0





#5

Vinyl chloride

Concen: 24.088 ug/L

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

Instrument :

MSVOA_W

ClientSampleId :

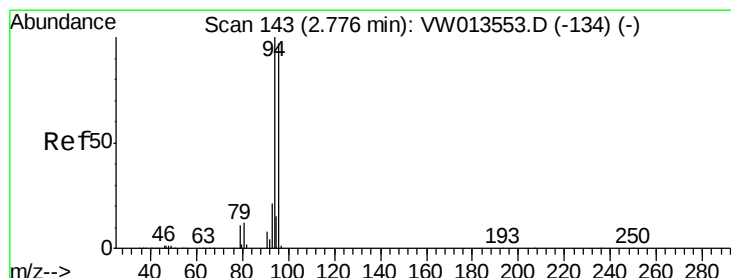
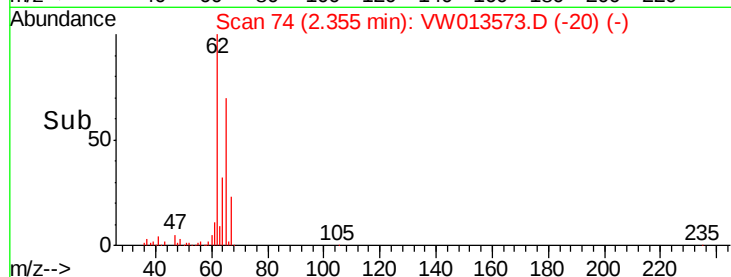
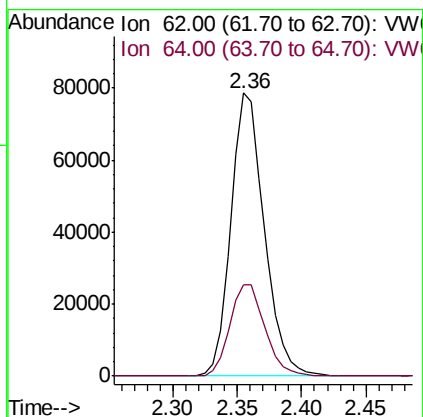
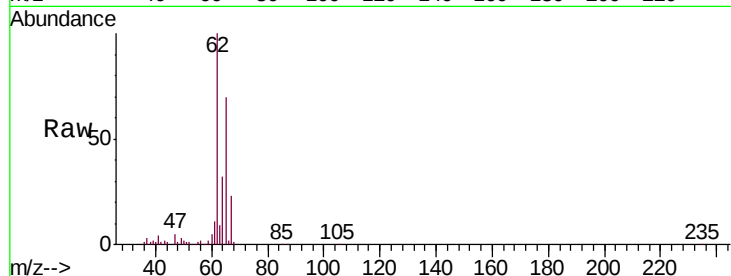
VSTD02514

Tgt Ion: 62 Resp: 142081

Ion Ratio Lower Upper

62 100

64 32.4 23.9 44.3



#6

Bromomethane

Concen: 24.102 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW013573.D

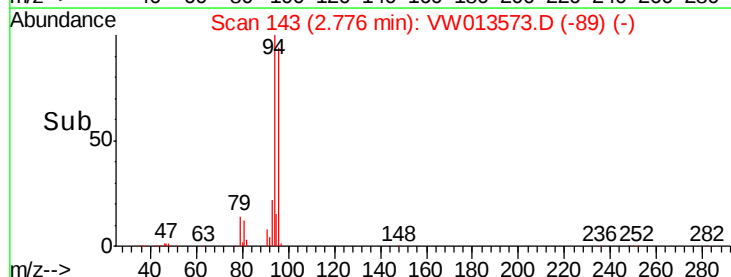
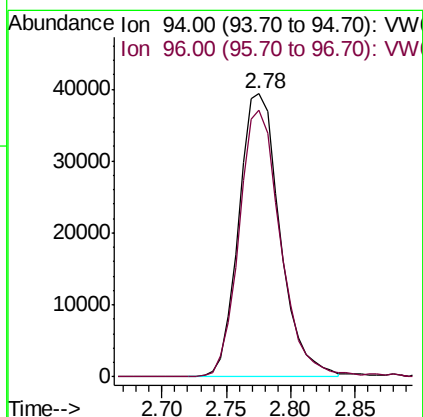
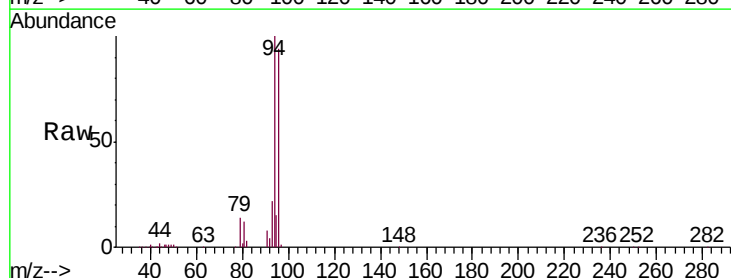
Acq: 14 Oct 2019 19:54

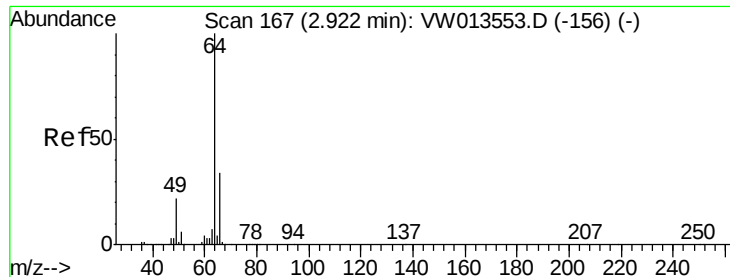
Tgt Ion: 94 Resp: 87076

Ion Ratio Lower Upper

94 100

96 94.5 9.5 179.9





#8

Chloroethane

Concen: 24.010 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

Instrument :

MSVOA_W

ClientSampleId :

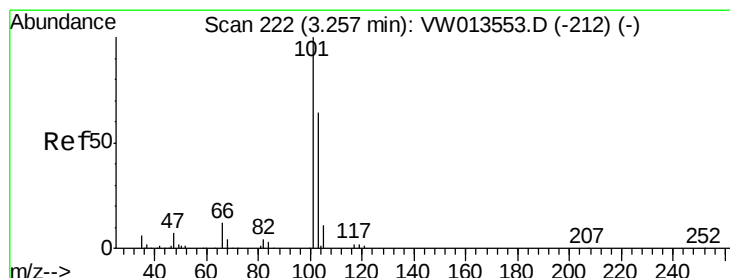
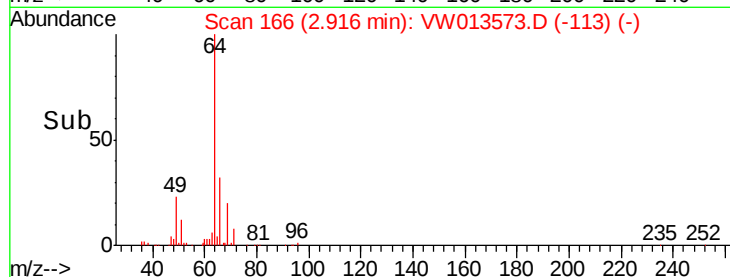
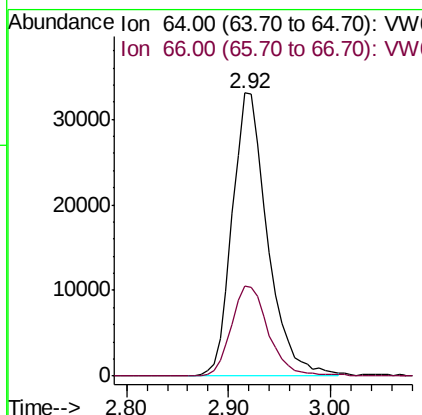
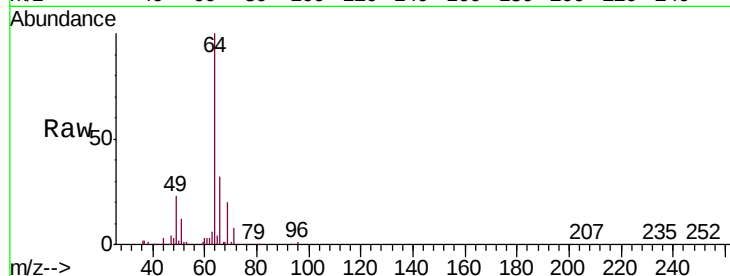
VSTD02514

Tgt Ion: 64 Resp: 79434

Ion Ratio Lower Upper

64 100

66 31.9 23.2 43.0



#9

Trichlorofluoromethane

Concen: 21.778 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW013573.D

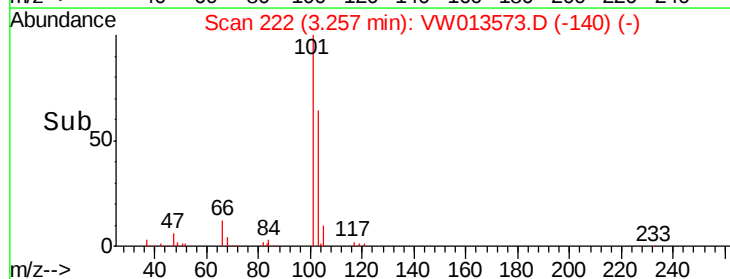
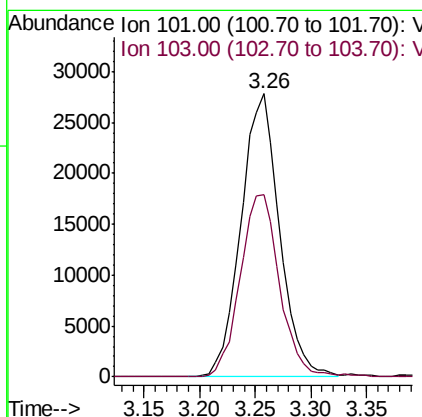
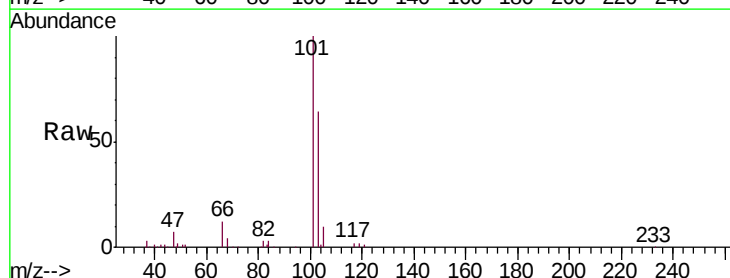
Acq: 14 Oct 2019 19:54

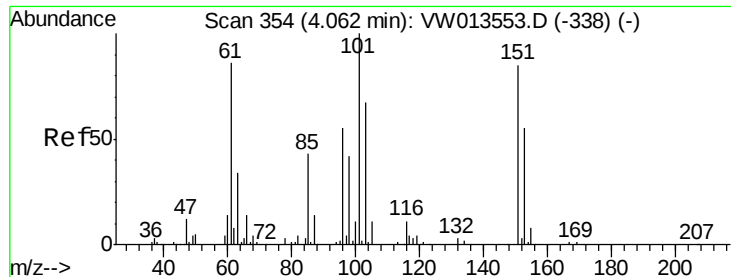
Tgt Ion: 101 Resp: 66966

Ion Ratio Lower Upper

101 100

103 65.5 46.0 85.4





#11

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

Concen: 25.077 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

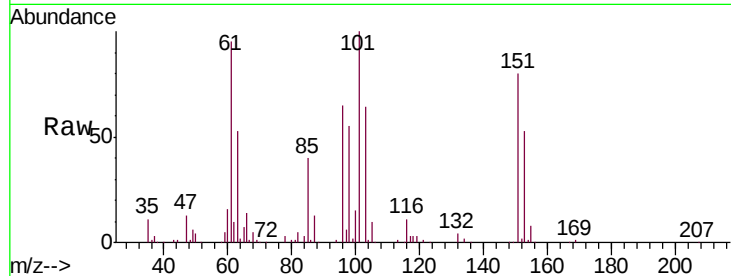
Tgt Ion: 101 Resp: 136850

Ion Ratio Lower Upper

101 100

85 40.8 32.0 48.0

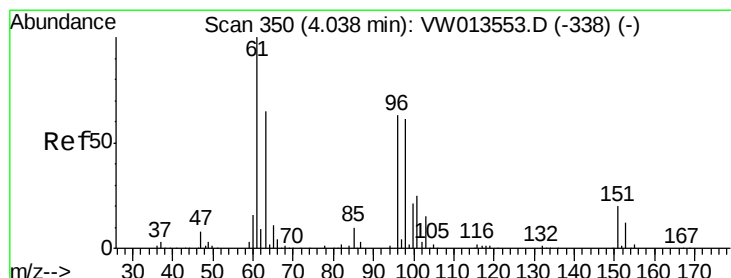
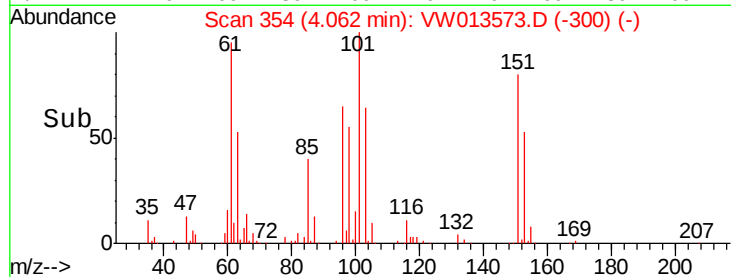
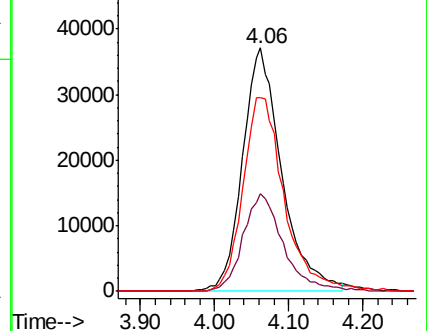
151 83.4 67.0 100.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.463 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW013573.D

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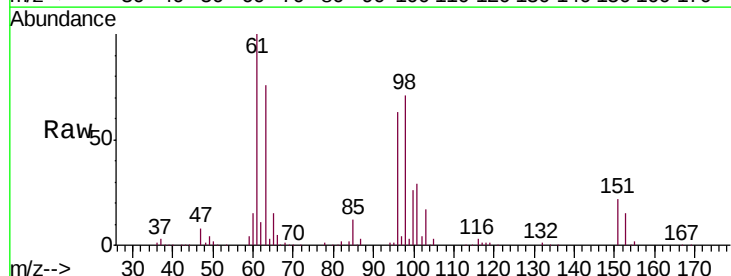
Tgt Ion: 96 Resp: 139181

Ion Ratio Lower Upper

96 100

61 157.8 111.0 206.2

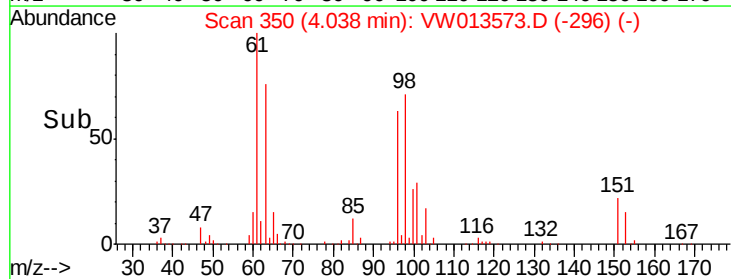
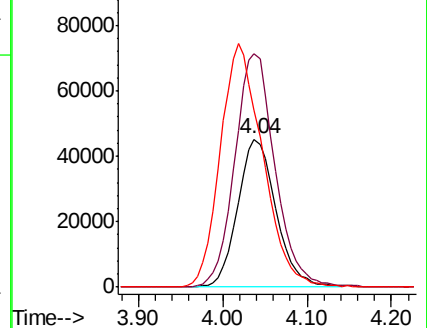
63 120.3 86.3 160.3

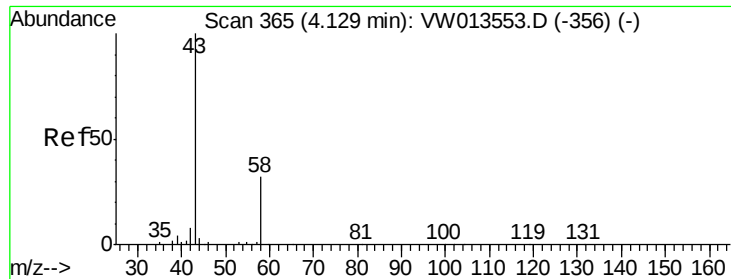


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.866 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

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ClientSampled :

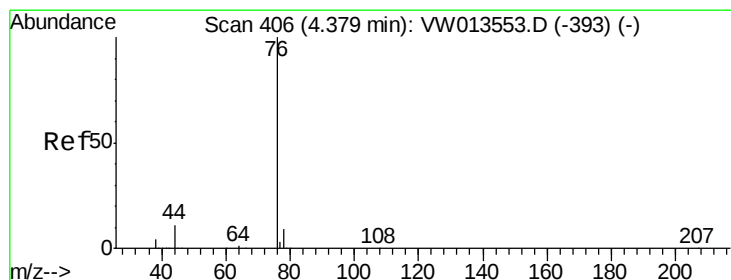
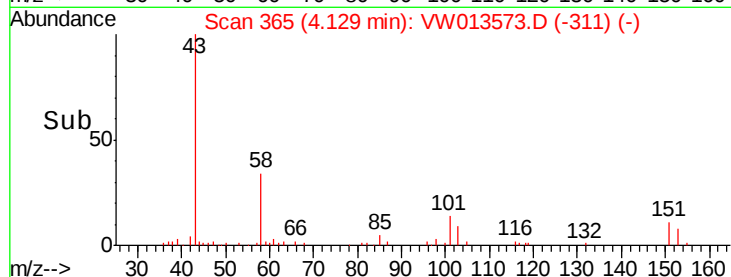
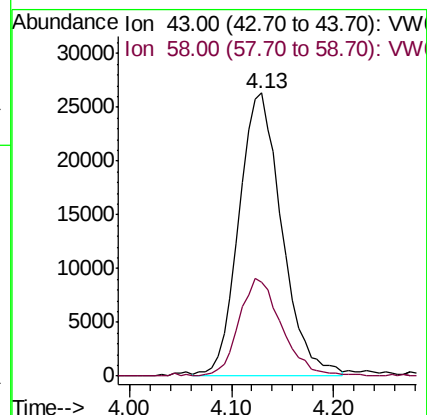
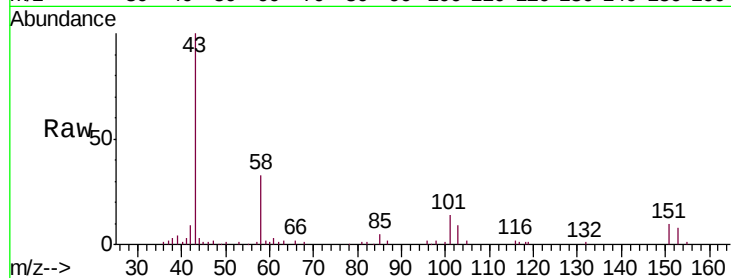
VSTD02514

Tgt Ion: 43 Resp: 77408

Ion Ratio Lower Upper

43 100

58 33.4 0.0 67.8



#14

Carbon disulfide

Concen: 24.409 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013573.D

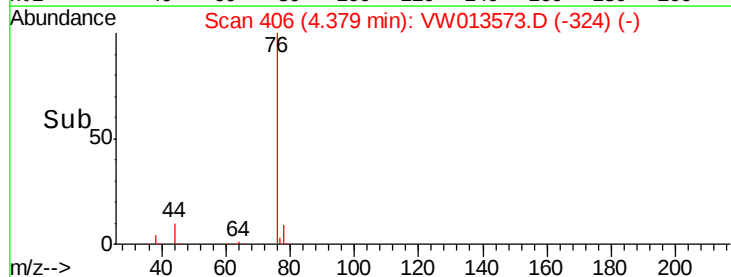
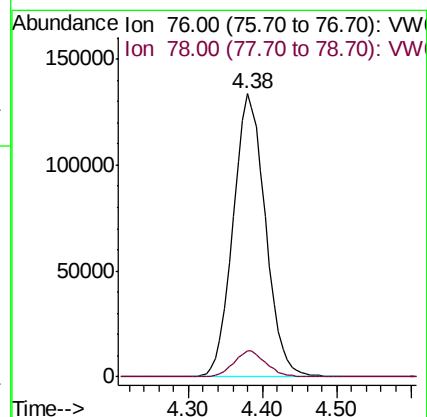
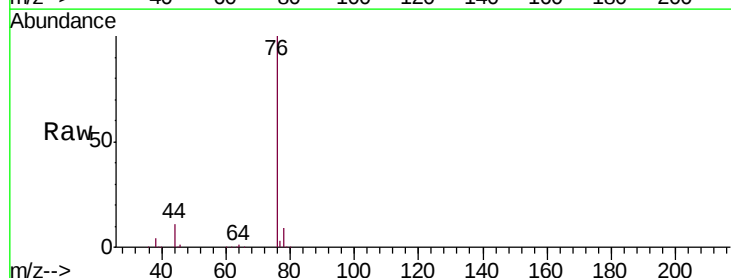
Acq: 14 Oct 2019 19:54

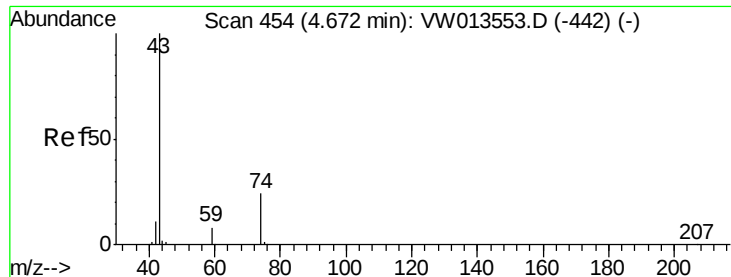
Tgt Ion: 76 Resp: 407163

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7





#15

Methyl Acetate

Concen: 30.998 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

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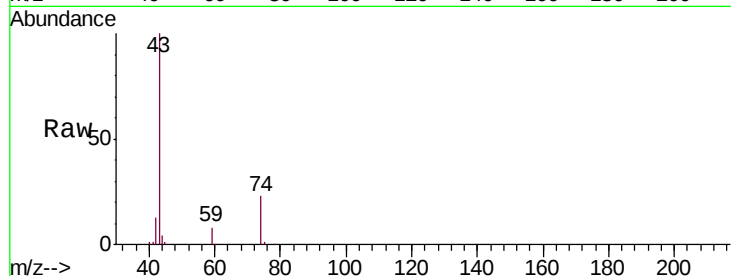
VSTD02514

Tgt Ion: 43 Resp: 83425

Ion Ratio Lower Upper

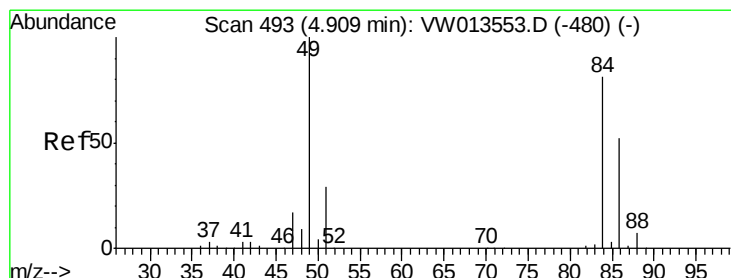
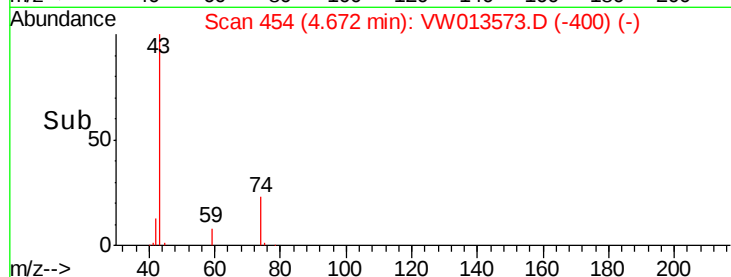
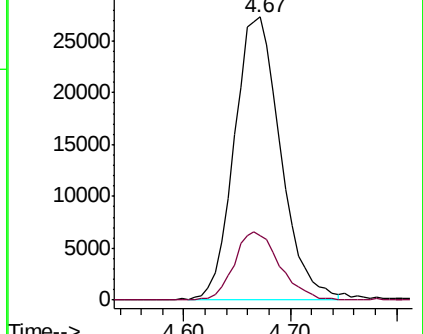
43 100

74 23.5 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 22.224 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

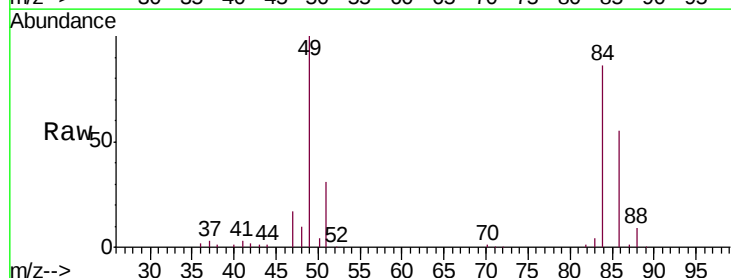
Tgt Ion: 84 Resp: 146575

Ion Ratio Lower Upper

84 100

49 116.1 81.3 151.1

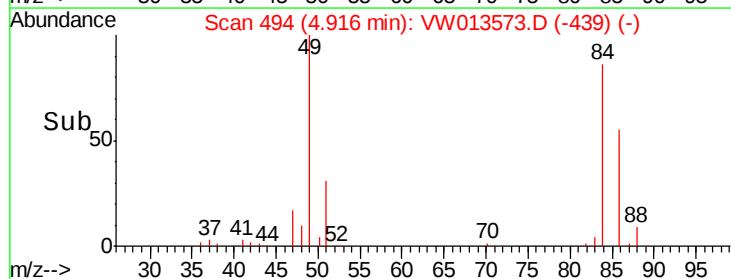
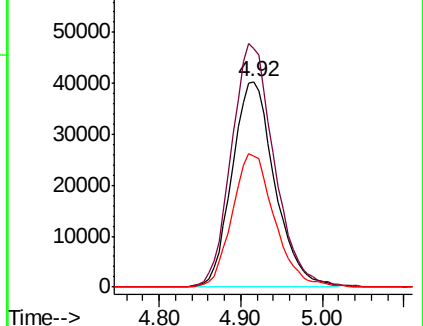
86 63.7 46.3 86.1

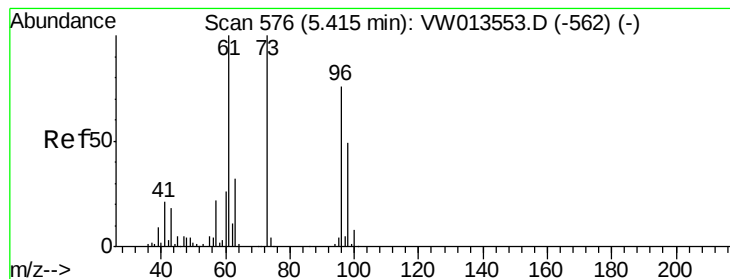


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#17

Methyl tert-butyl Ether

Concen: 27.312 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

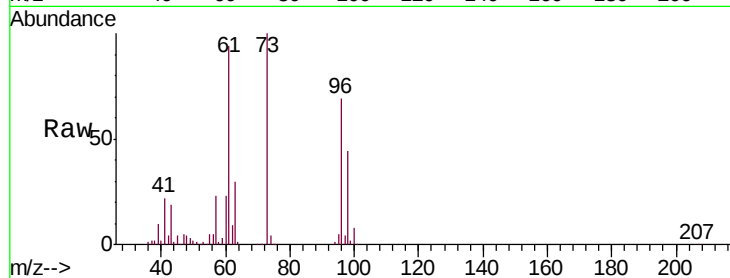
Tgt Ion: 73 Resp: 239905

Ion Ratio Lower Upper

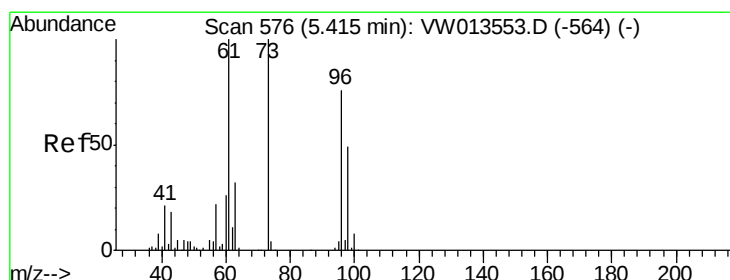
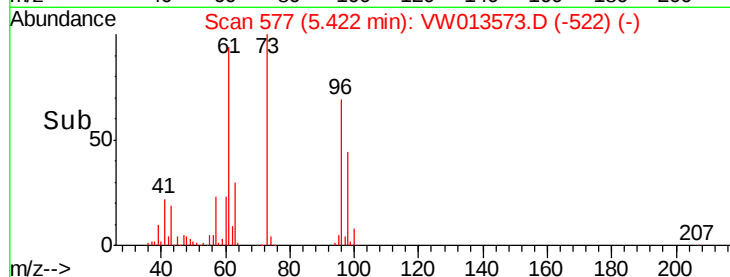
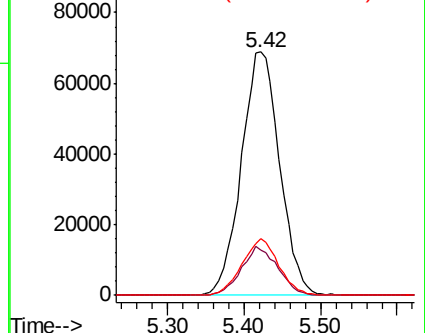
73 100

43 19.0 15.0 22.4

57 22.2 18.1 27.1



Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 25.194 ug/L

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

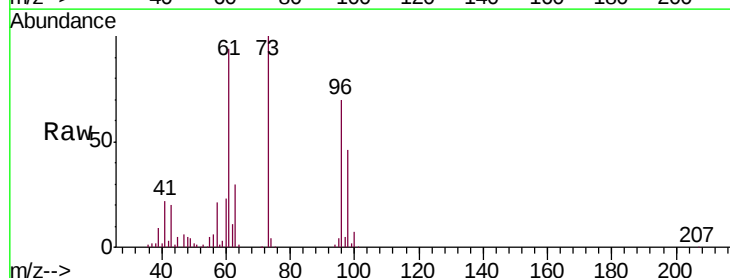
Tgt Ion: 96 Resp: 146958

Ion Ratio Lower Upper

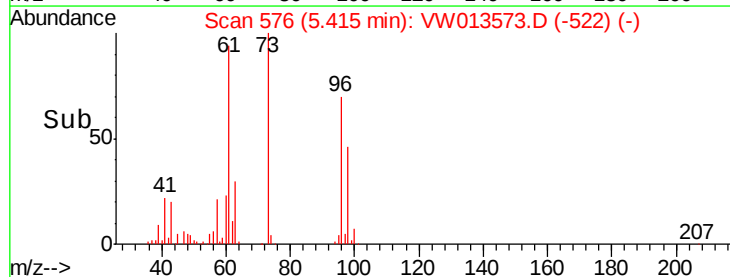
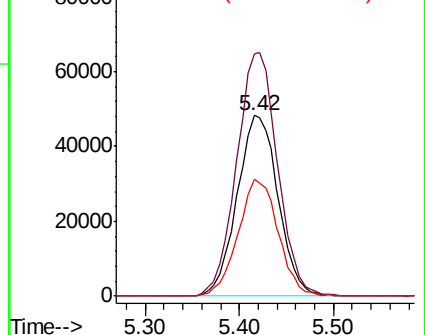
96 100

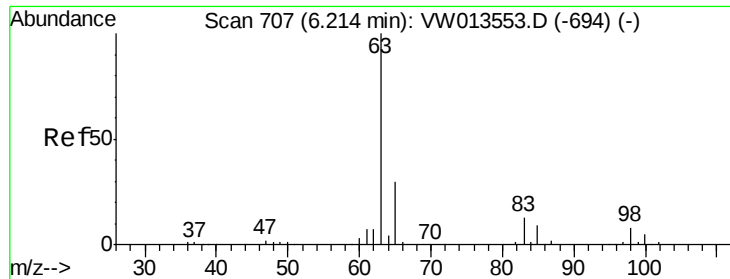
61 134.7 93.7 173.9

98 65.2 46.1 85.7



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

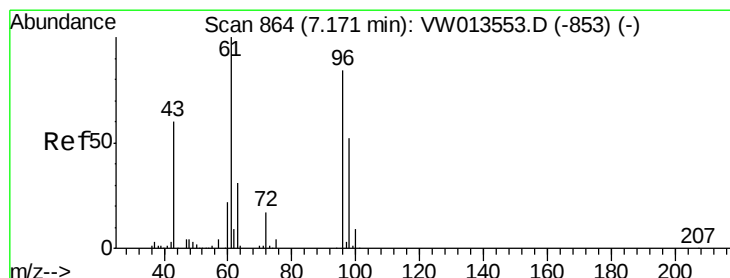
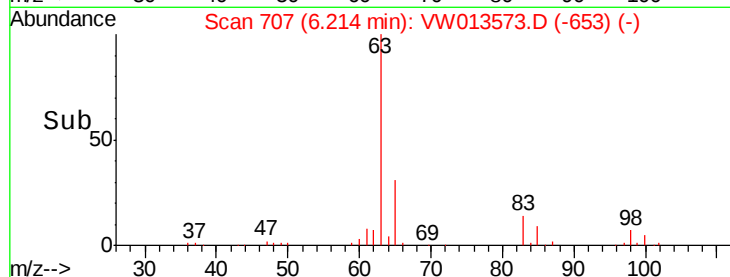
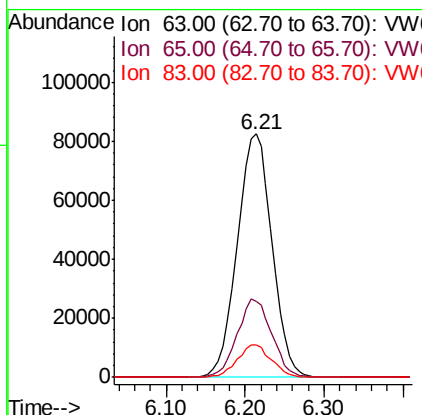
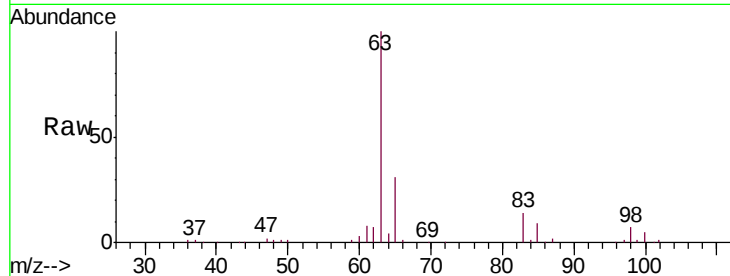




#19
 1,1-Dichloroethane
 Concen: 25.752 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW013573.D
 Acq: 14 Oct 2019 19:54

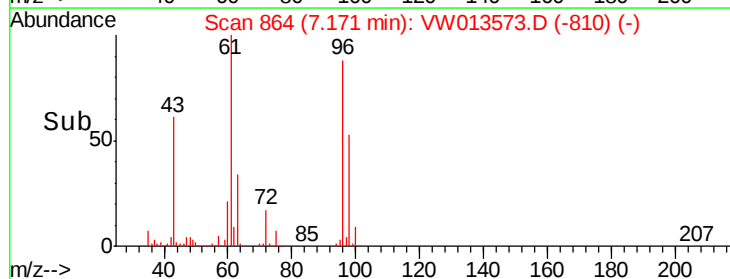
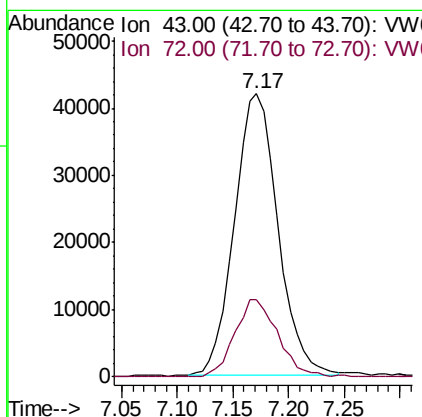
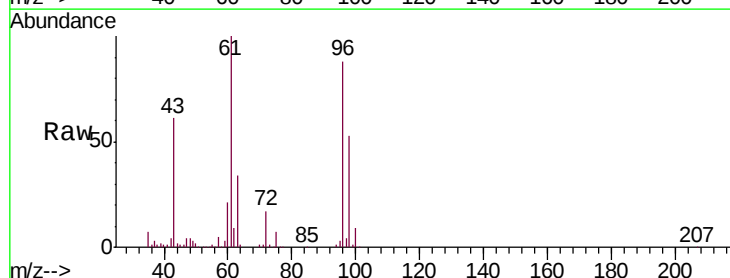
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02514

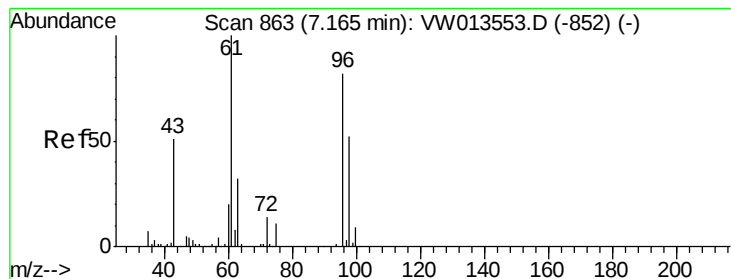
Tgt Ion: 63 Resp: 252195
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.6 40.0
 83 13.5 9.0 16.6



#21
 2-Butanone
 Concen: 53.870 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW013573.D
 Acq: 14 Oct 2019 19:54

Tgt Ion: 43 Resp: 113704
 Ion Ratio Lower Upper
 43 100
 72 27.2 13.5 40.4



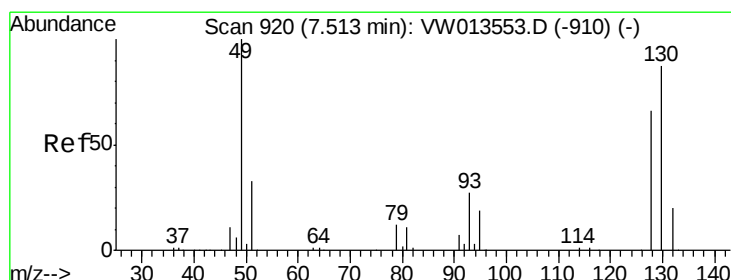
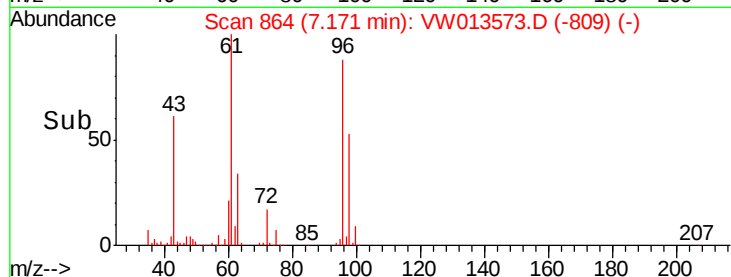
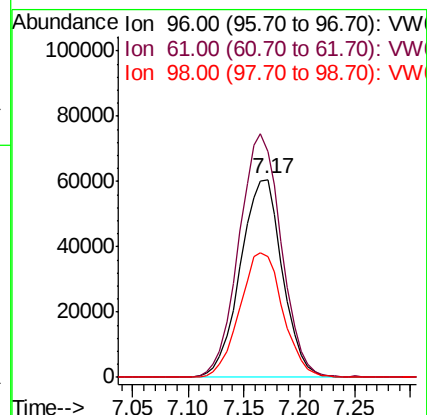
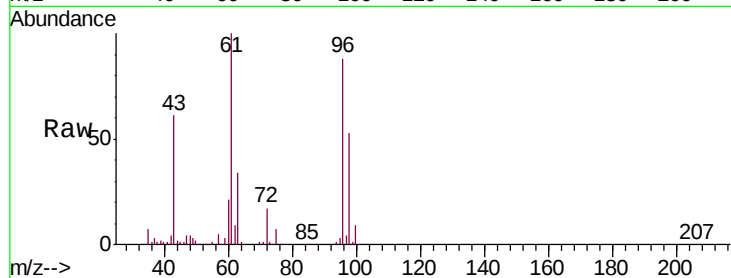


#22

cis-1,2-Dichloroethene
 Concen: 25.584 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013573.D
 Acq: 14 Oct 2019 19:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

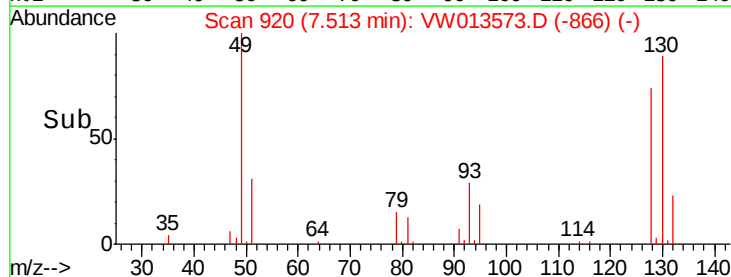
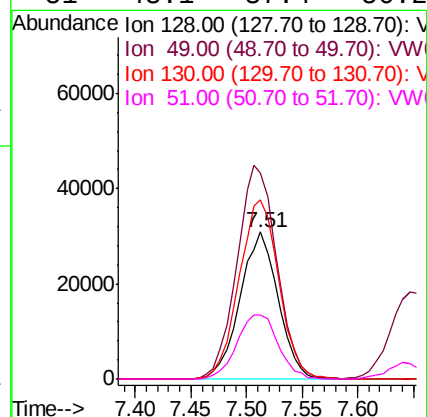
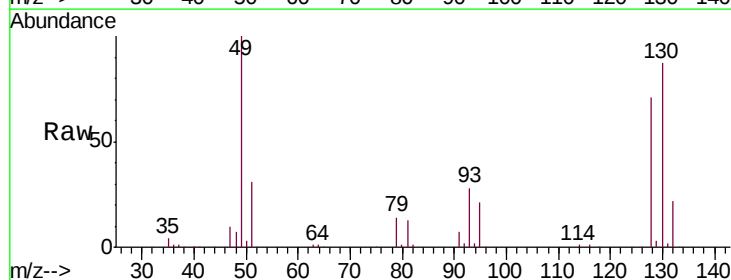
Tgt Ion: 96 Resp: 159609
 Ion Ratio Lower Upper
 96 100
 61 113.9 86.0 159.8
 98 60.7 44.4 82.5

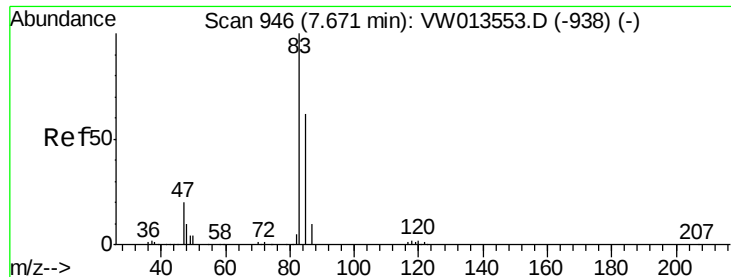


#23

Bromochloromethane
 Concen: 26.315 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW013573.D
 Acq: 14 Oct 2019 19:54

Tgt Ion: 128 Resp: 73509
 Ion Ratio Lower Upper
 128 100
 49 140.0 108.0 200.6
 130 121.5 89.4 166.0
 51 43.1 37.4 56.2





#25

Chloroform

Concen: 25.963 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

Instrument :

MSVOA_W

ClientSampleId :

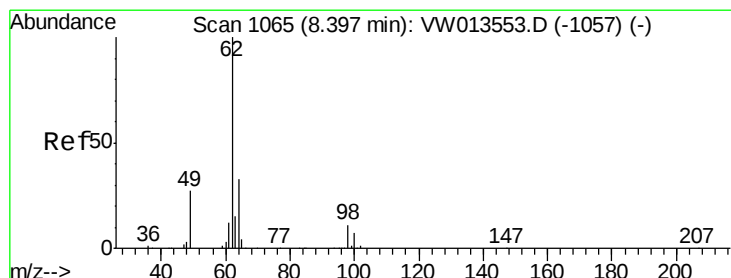
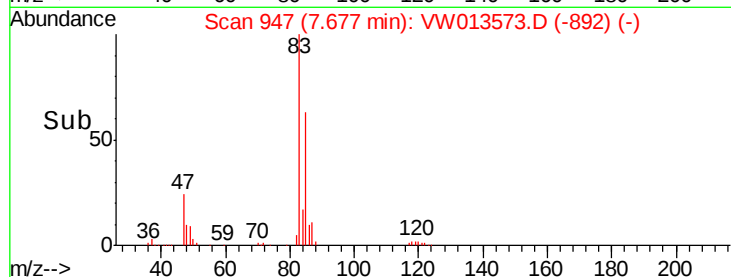
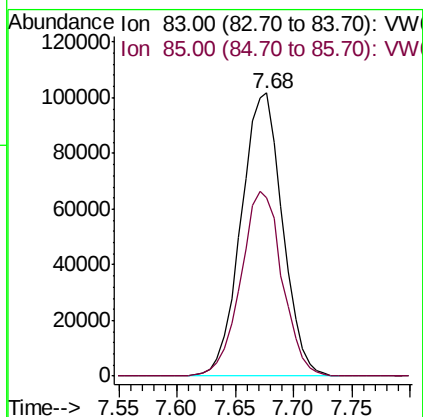
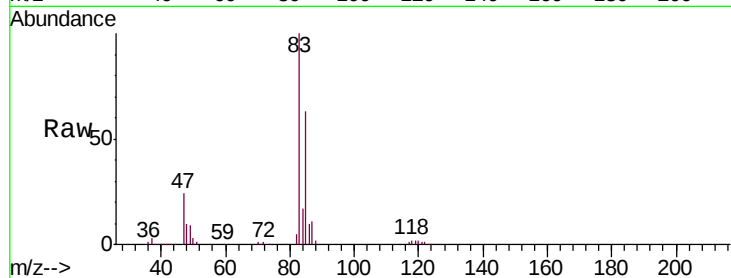
VSTD02514

Tgt Ion: 83 Resp: 250827

Ion Ratio Lower Upper

83 100

85 65.7 46.1 85.5



#27

1,2-Dichloroethane

Concen: 27.260 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW013573.D

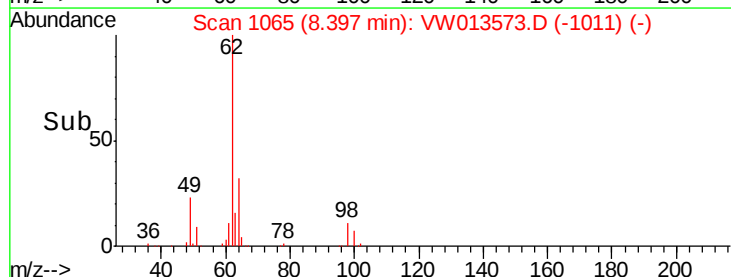
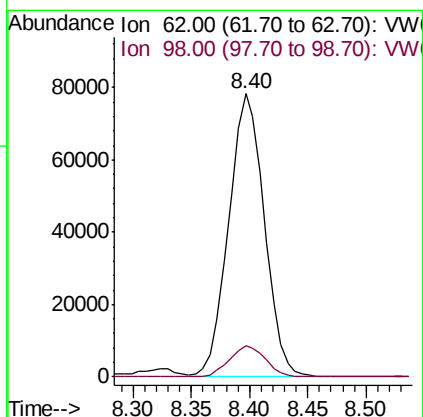
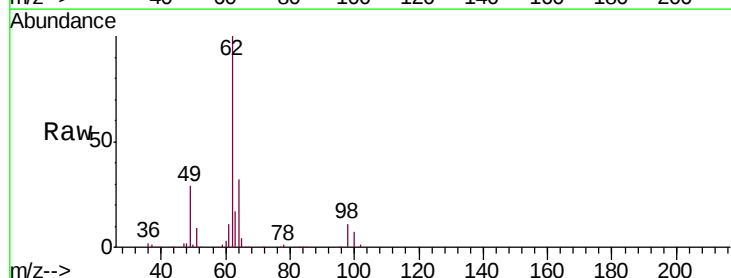
Acq: 14 Oct 2019 19:54

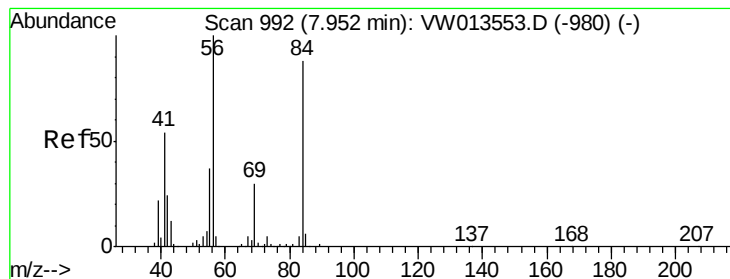
Tgt Ion: 62 Resp: 166569

Ion Ratio Lower Upper

62 100

98 10.9 9.0 13.4





#30

Cyclohexane

Concen: 23.386 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

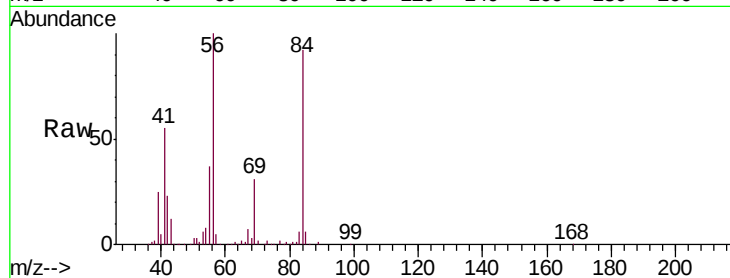
Tgt Ion: 56 Resp: 243812

Ion Ratio Lower Upper

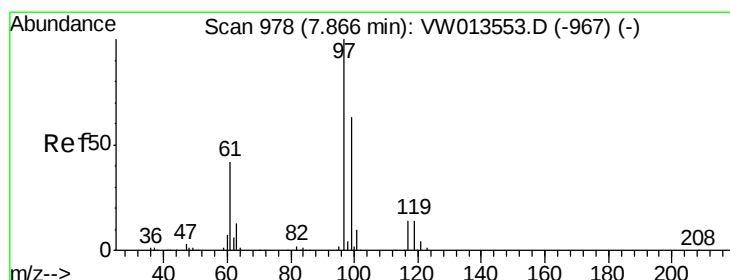
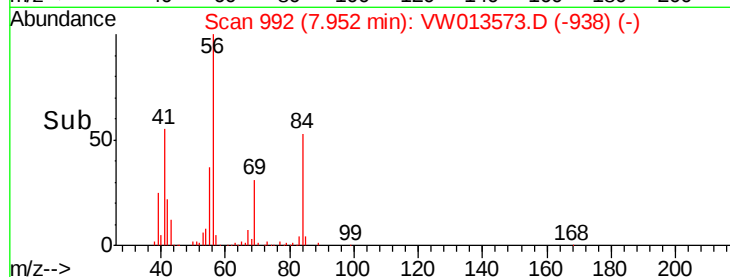
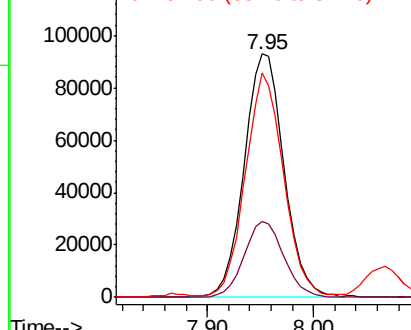
56 100

69 31.2 24.7 37.1

84 88.8 70.4 105.6



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: 25.158 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

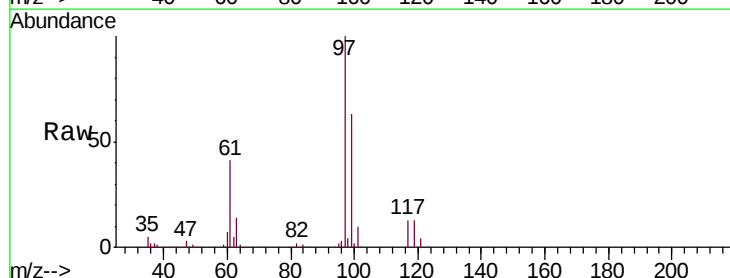
Tgt Ion: 97 Resp: 200917

Ion Ratio Lower Upper

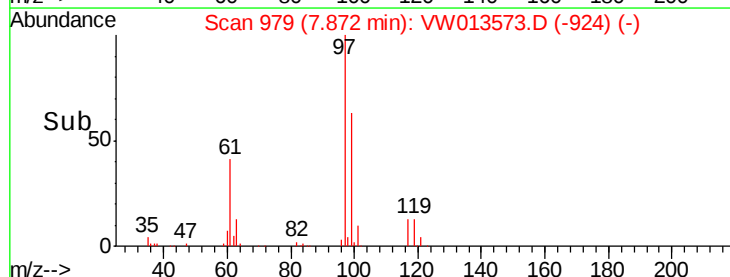
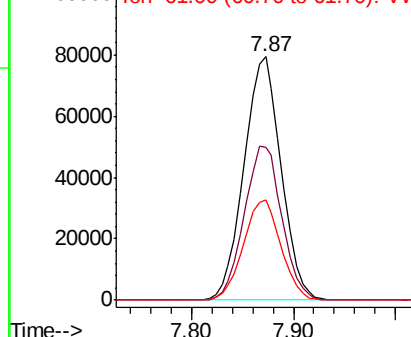
97 100

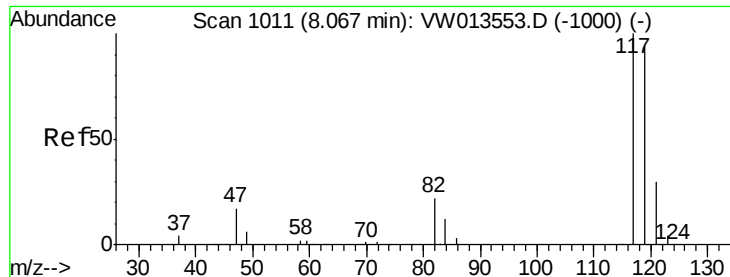
99 64.2 51.8 77.8

61 41.6 33.7 50.5



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: 24.716 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

Instrument :

MSVOA_W

ClientSampleId :

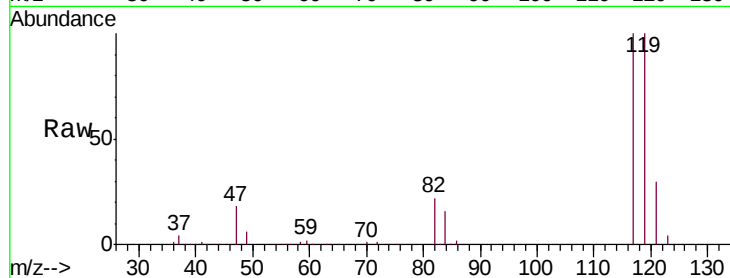
VSTD02514

Tgt Ion:117 Resp: 189332

Ion Ratio Lower Upper

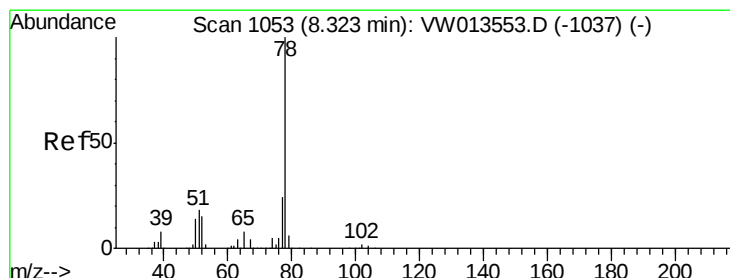
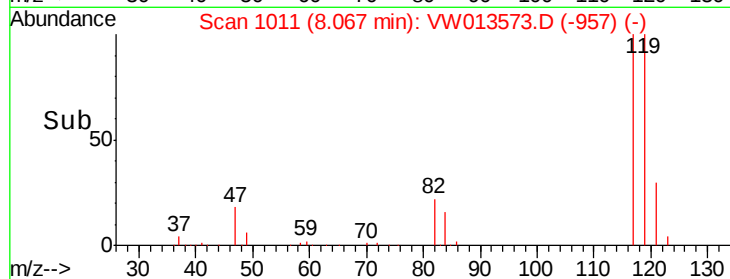
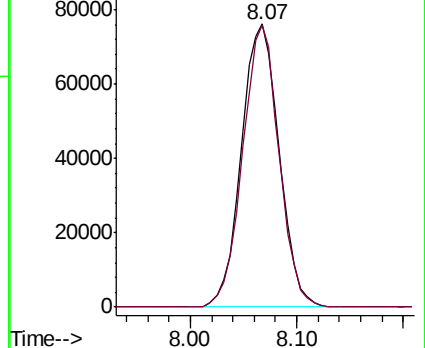
117 100

119 95.9 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.856 ug/L

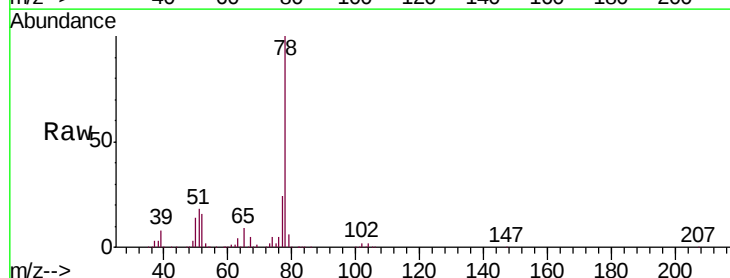
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

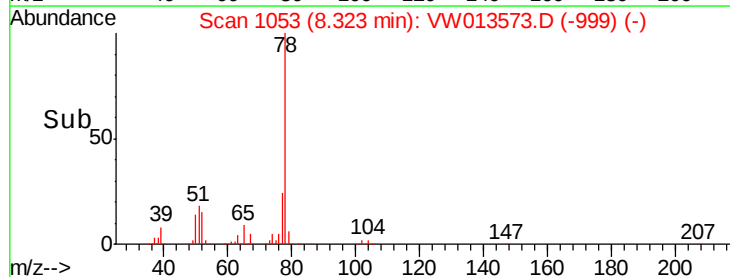
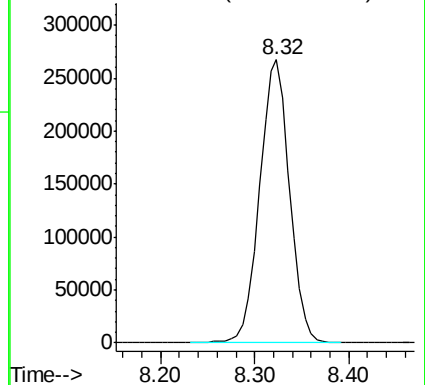
Lab File: VW013573.D

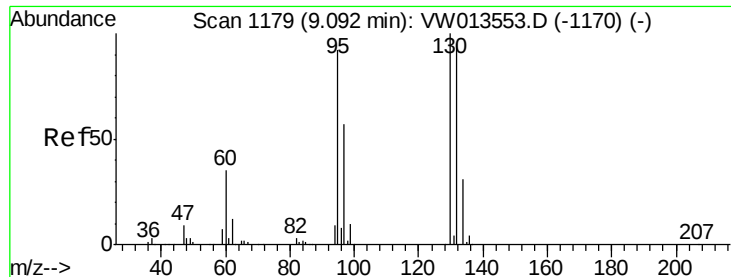
Acq: 14 Oct 2019 19:54

Tgt Ion: 78 Resp: 595403



Abundance Ion 78.00 (77.70 to 78.70): VW

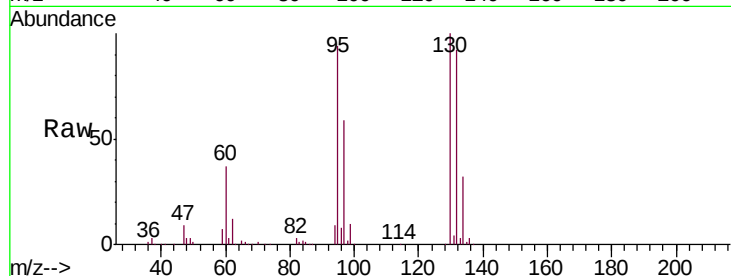




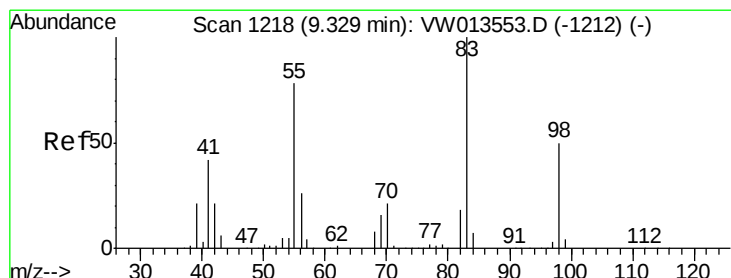
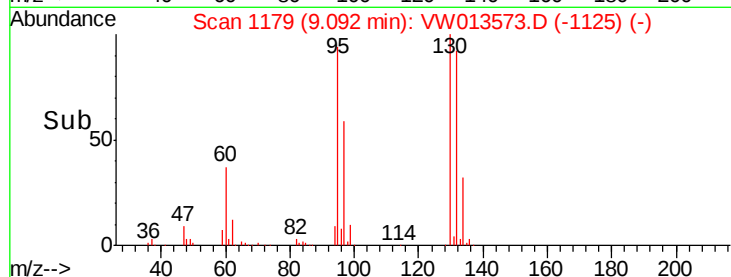
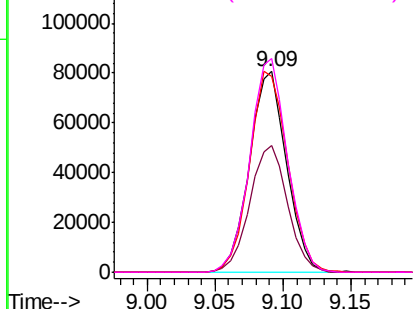
#35
 Trichloroethene
 Concen: 24.786 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW013573.D
 Acq: 14 Oct 2019 19:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Tgt Ion:	95	Resp:	154866
Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.1	83.7
132	102.5	73.6	136.8
130	107.5	76.3	141.7

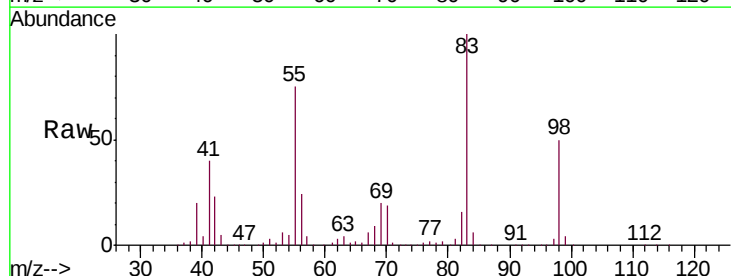


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

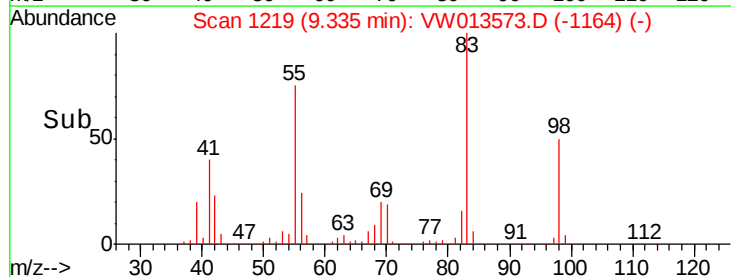
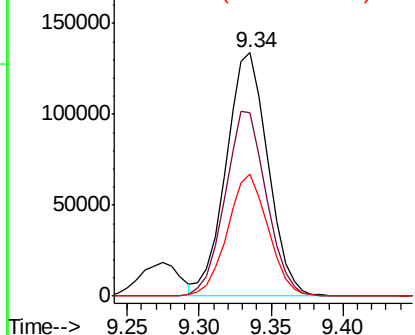


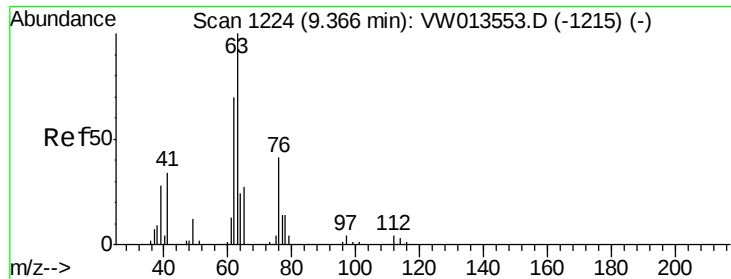
#36
 Methylcyclohexane
 Concen: 23.963 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VW013573.D
 Acq: 14 Oct 2019 19:54

Tgt Ion:	83	Resp:	272274
Ion	Ratio	Lower	Upper
83	100		
55	75.0	60.4	90.6
98	48.7	39.3	58.9



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

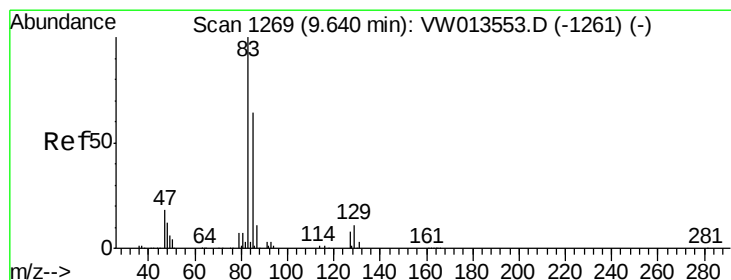
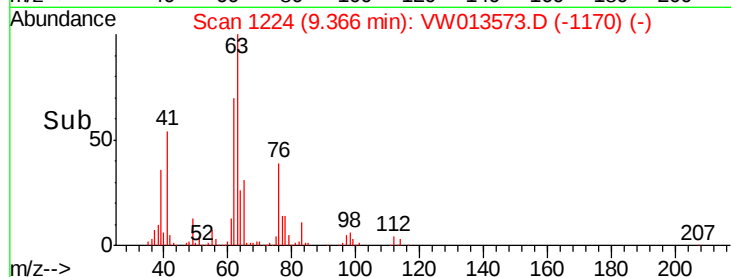
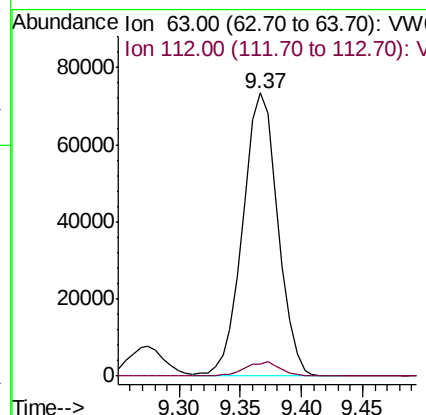
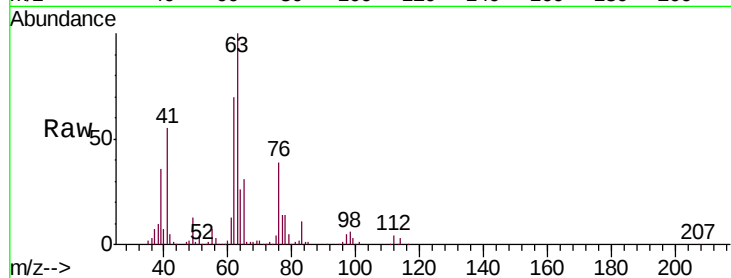




#40
 1,2-Dichloropropane
 Concen: 25.374 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013573.D
 Acq: 14 Oct 2019 19:54

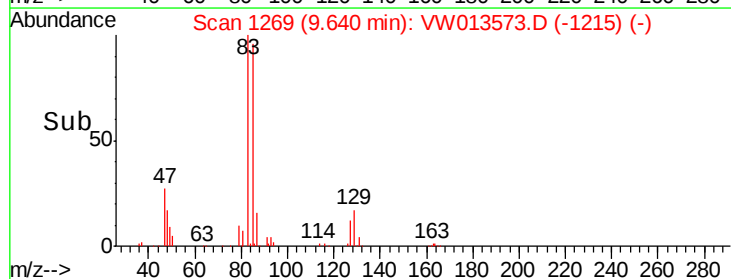
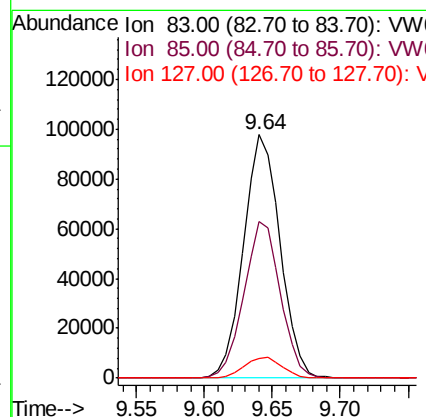
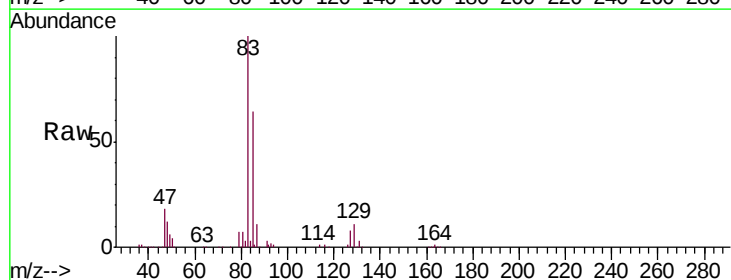
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

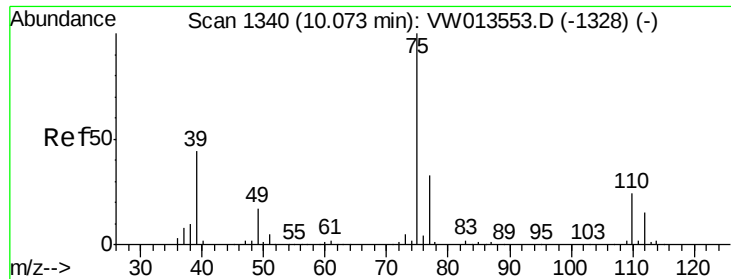
Tgt Ion: 63 Resp: 146423
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.8 5.8



#41
 Bromodichloromethane
 Concen: 25.943 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW013573.D
 Acq: 14 Oct 2019 19:54

Tgt Ion: 83 Resp: 183874
 Ion Ratio Lower Upper
 83 100
 85 64.3 45.1 83.9
 127 8.3 7.1 10.7

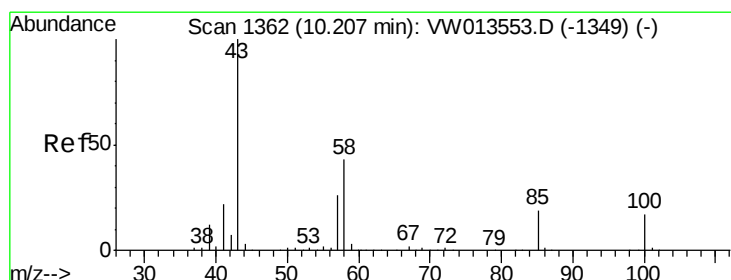
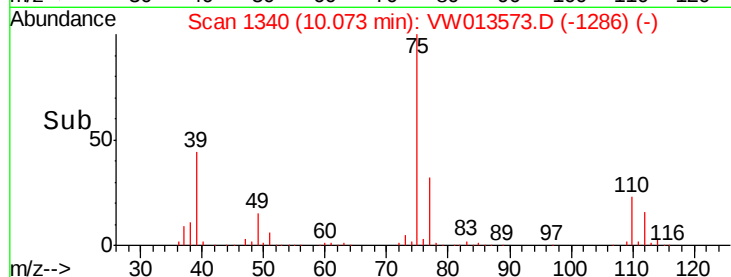
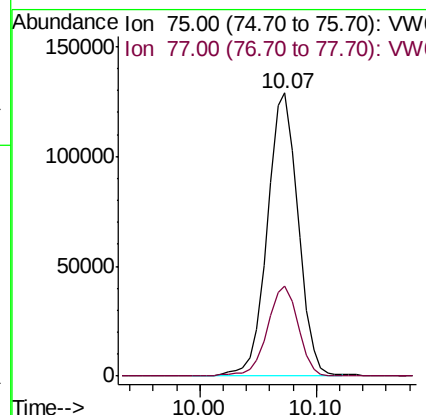
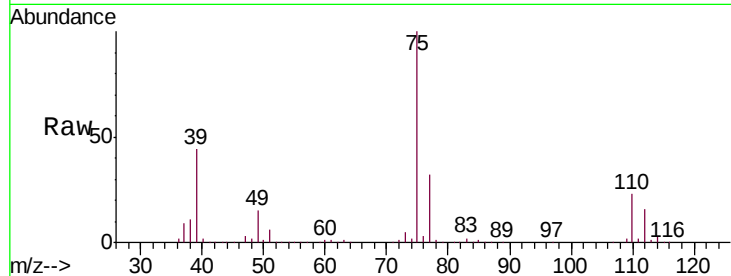




#42
 cis-1,3-Dichloropropene
 Concen: 25.422 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW013573.D
 Acq: 14 Oct 2019 19:54

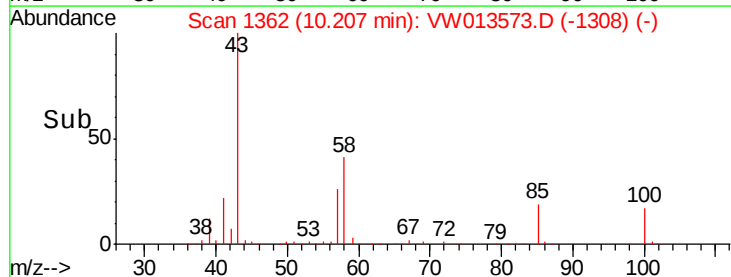
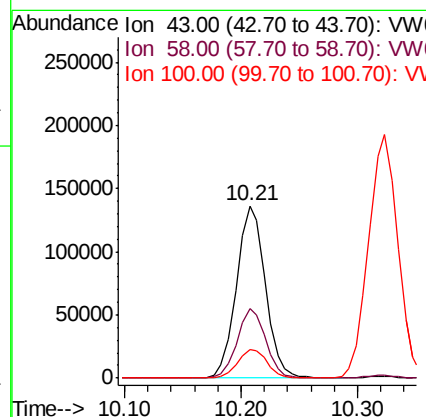
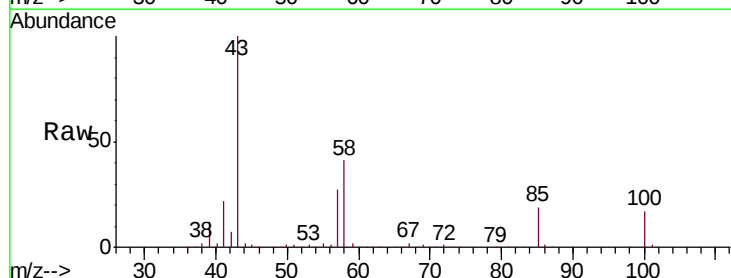
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02514

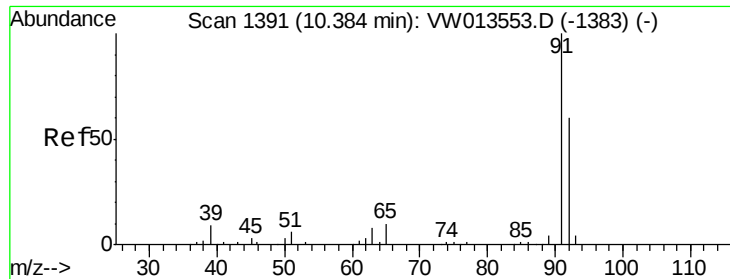
Tgt Ion: 75 Resp: 235345
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.6 40.2



#43
 4-Methyl-2-pentanone
 Concen: 58.728 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW013573.D
 Acq: 14 Oct 2019 19:54

Tgt Ion: 43 Resp: 236452
 Ion Ratio Lower Upper
 43 100
 58 40.1 32.0 48.0
 100 16.9 13.7 20.5





#44

Toluene

Concen: 24.999 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

Instrument :

MSVOA_W

ClientSampleId :

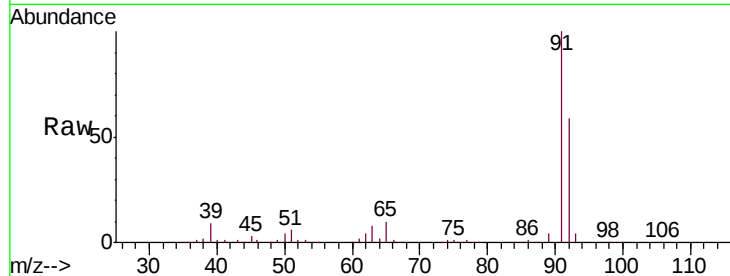
VSTD02514

Tgt Ion: 91 Resp: 648976

Ion Ratio Lower Upper

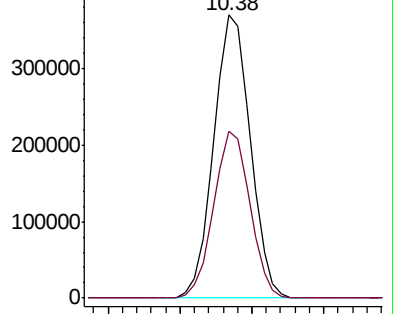
91 100

92 59.1 40.0 74.4

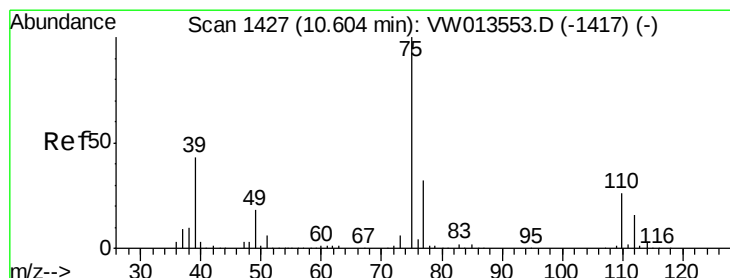
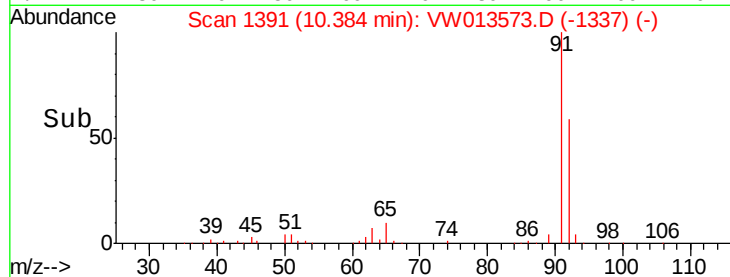


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



Time-->



#45

trans-1,3-Dichloropropene

Concen: 26.527 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013573.D

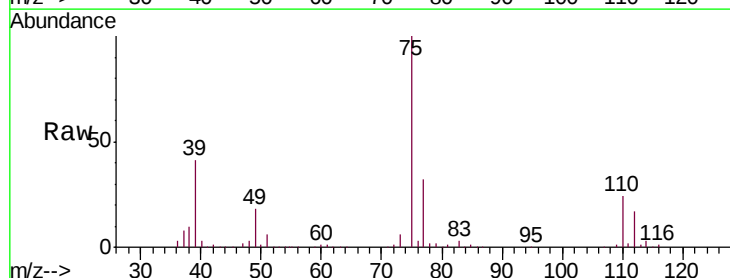
Acq: 14 Oct 2019 19:54

Tgt Ion: 75 Resp: 193909

Ion Ratio Lower Upper

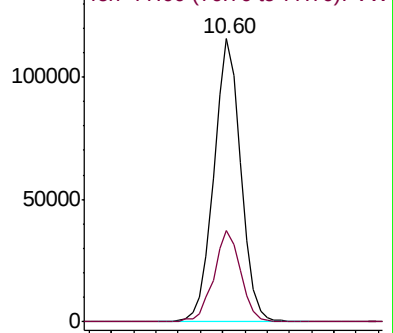
75 100

77 32.1 23.0 42.6

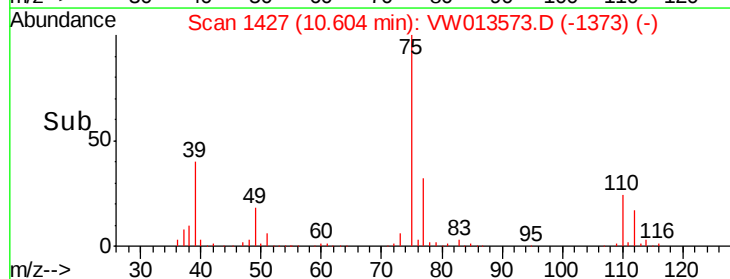


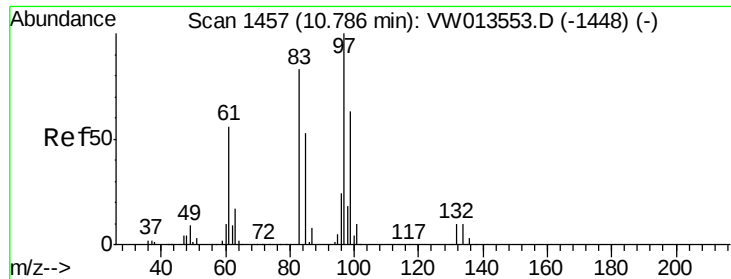
Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->





#46

1,1,2-Trichloroethane

Concen: 27.117 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

Instrument :

MSVOA_W

ClientSampled :

VSTD02514

Tgt Ion: 97 Resp: 118785

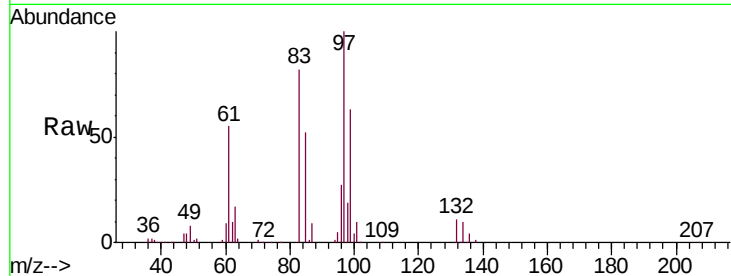
Ion Ratio Lower Upper

97 100

83 81.7 57.5 106.9

85 51.5 36.8 68.4

99 62.6 44.0 81.6



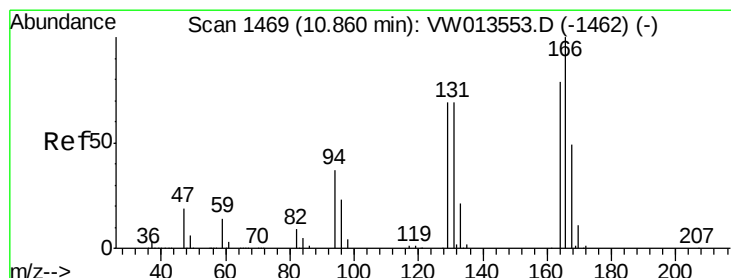
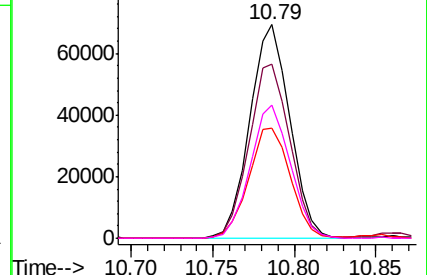
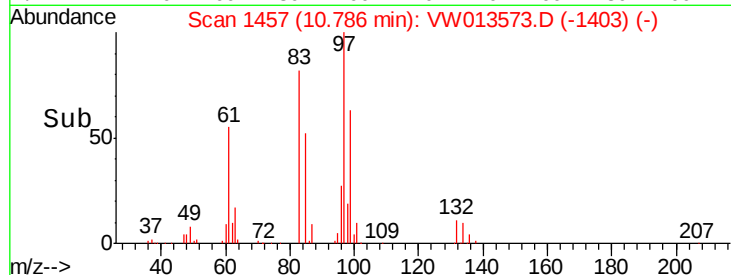
Abundance

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: 24.664 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

Tgt Ion: 164 Resp: 140454

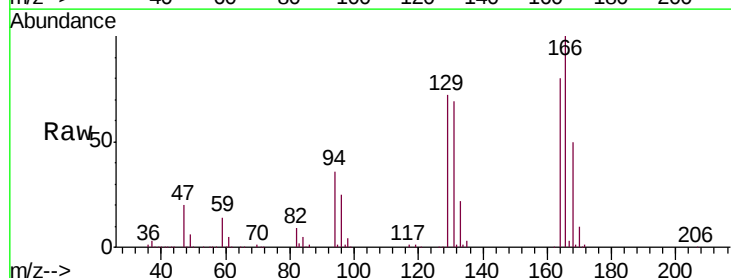
Ion Ratio Lower Upper

164 100

129 89.5 60.2 111.8

131 86.0 57.0 105.9

166 124.7 91.2 169.4



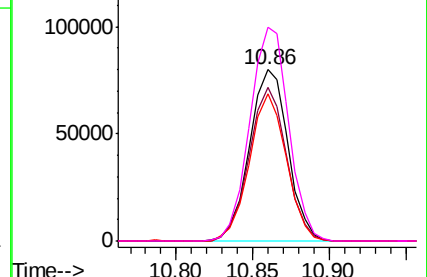
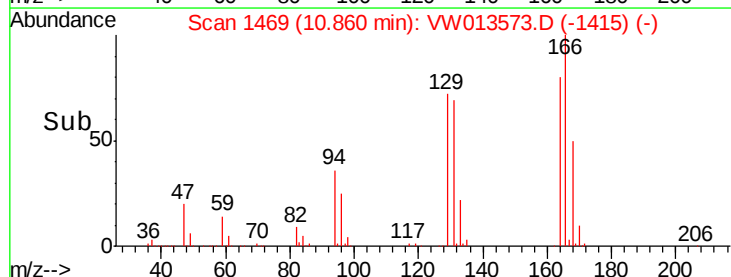
Abundance

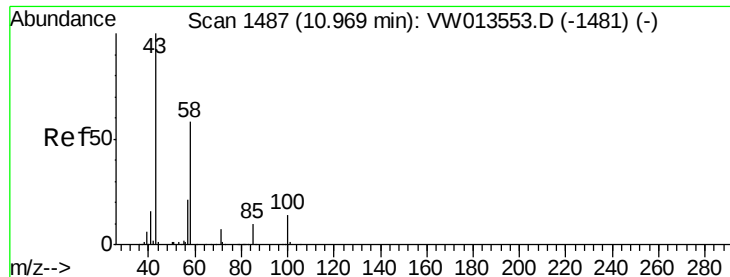
Ion 164.00 (163.70 to 164.70): V

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: 56.891 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

Tgt Ion: 43 Resp: 166474

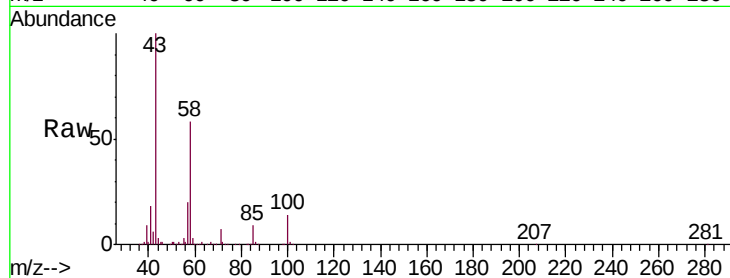
Ion Ratio Lower Upper

43 100

58 59.2 45.2 67.8

57 20.4 15.8 23.8

100 13.7 11.0 16.6

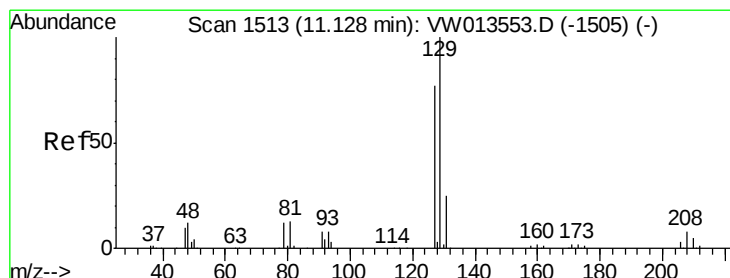
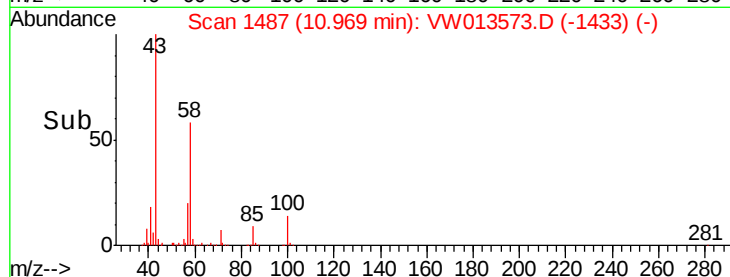
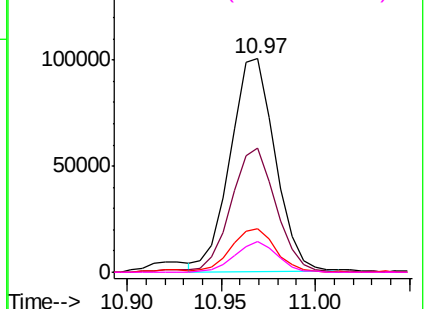


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 27.166 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW013573.D

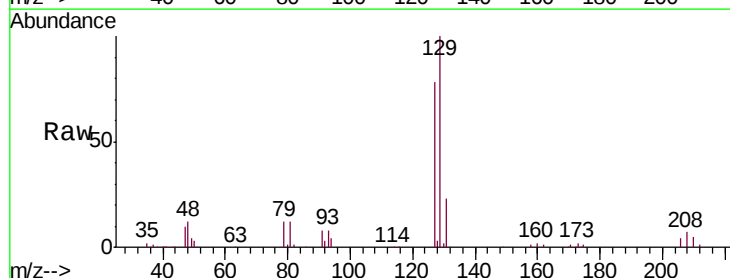
Acq: 14 Oct 2019 19:54

Tgt Ion: 129 Resp: 140106

Ion Ratio Lower Upper

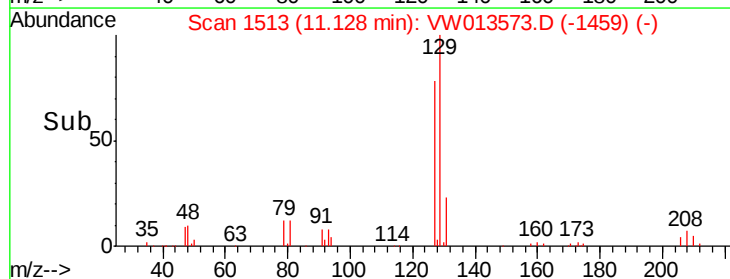
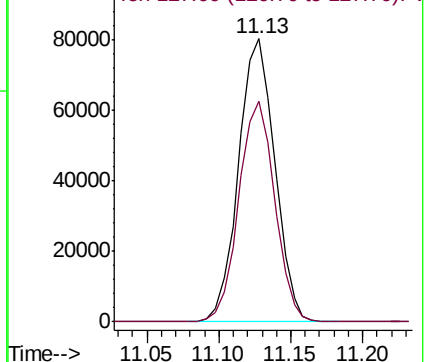
129 100

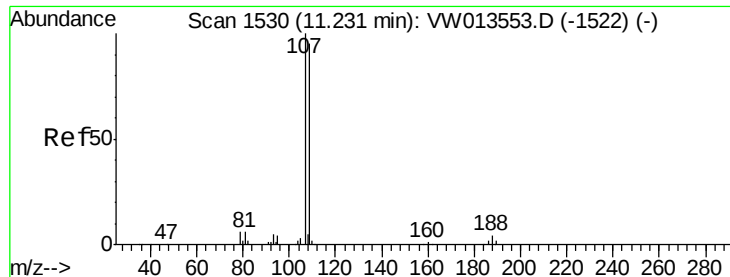
127 78.0 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 27.482 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

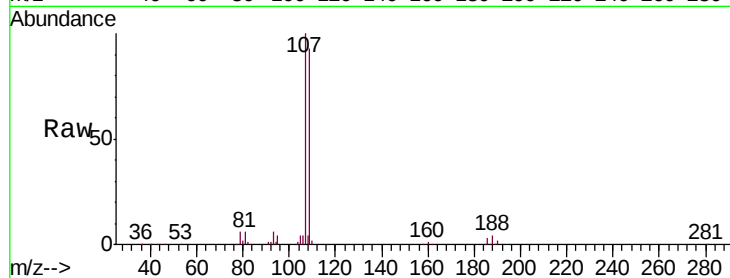
Tgt Ion:107 Resp: 118253

Ion Ratio Lower Upper

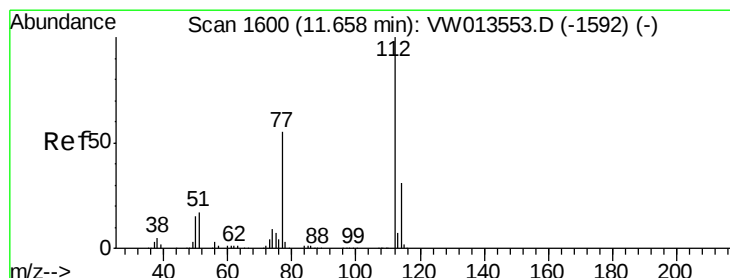
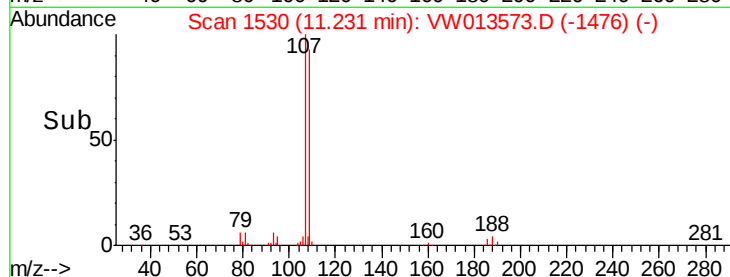
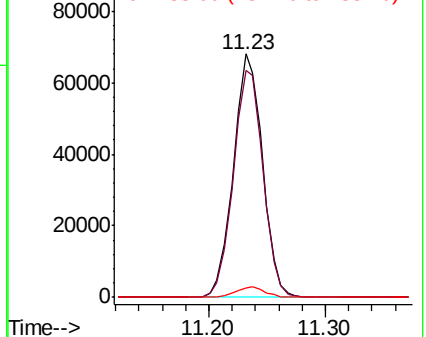
107 100

109 93.3 65.5 121.7

188 4.1 3.6 5.4



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 25.121 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

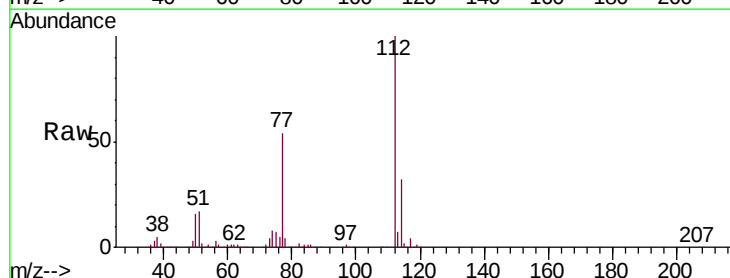
Tgt Ion:112 Resp: 413893

Ion Ratio Lower Upper

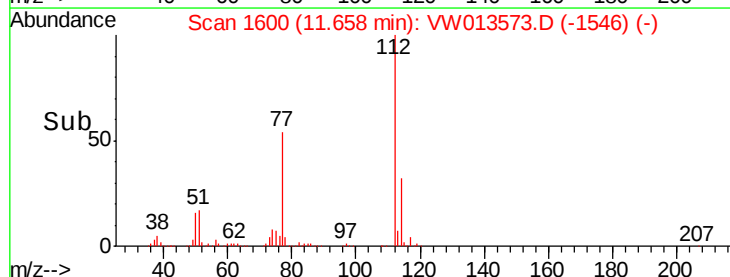
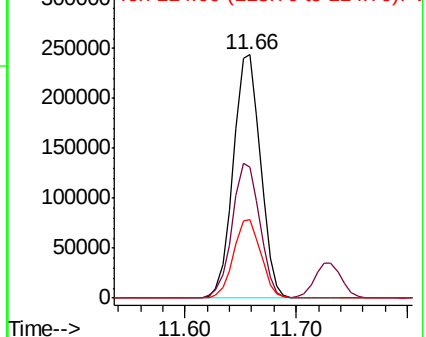
112 100

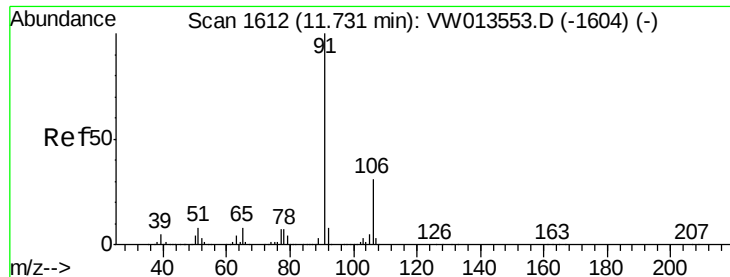
77 54.0 44.5 66.7

114 32.4 22.7 42.3



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V

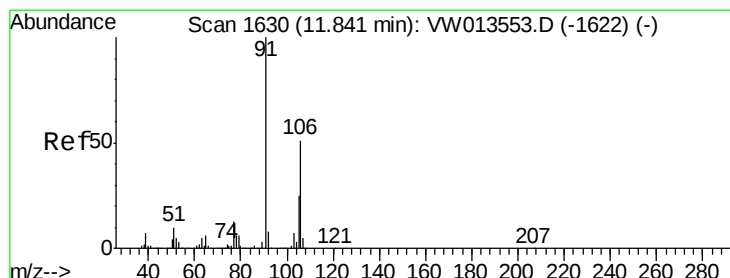
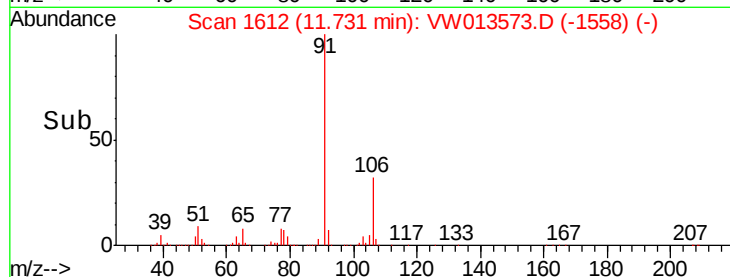
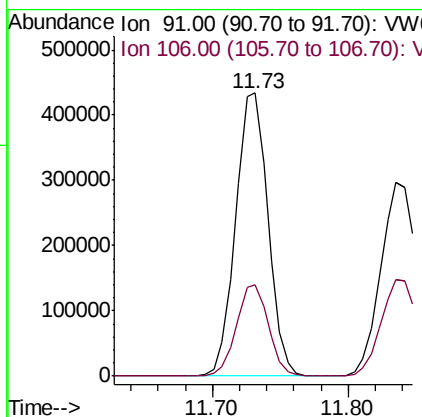
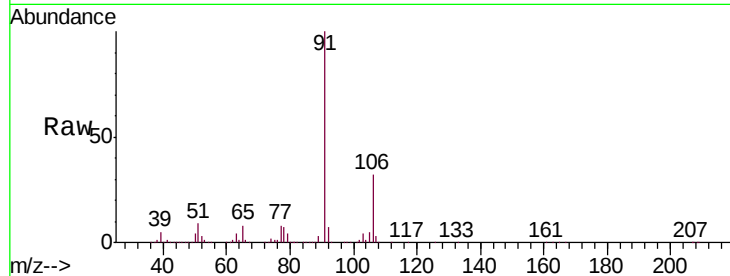




#53
Ethylbenzene
Concen: 25.062 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013573.D
Acq: 14 Oct 2019 19:54

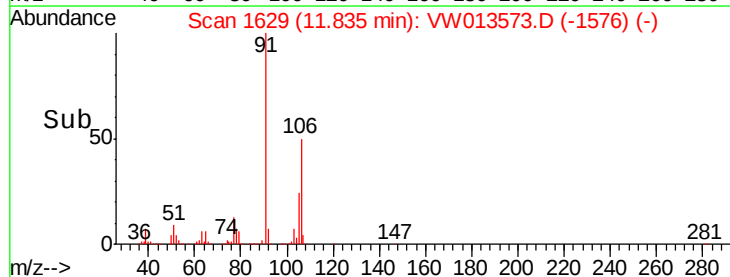
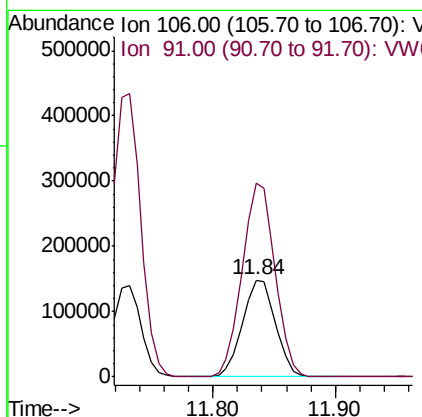
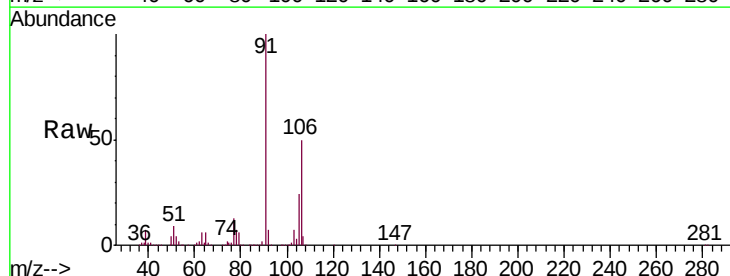
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

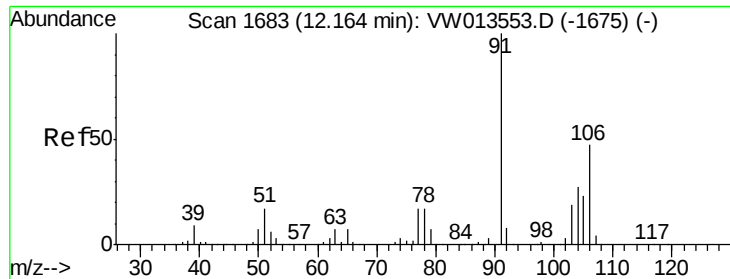
Tgt Ion: 91 Resp: 720163
Ion Ratio Lower Upper
91 100
106 32.2 21.5 39.9



#54
m,p-Xylene
Concen: 24.856 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013573.D
Acq: 14 Oct 2019 19:54

Tgt Ion: 106 Resp: 278629
Ion Ratio Lower Upper
106 100
91 199.7 139.4 258.8





#55

o-xylene

Concen: 25.412 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

Instrument :

MSVOA_W

ClientSampleId :

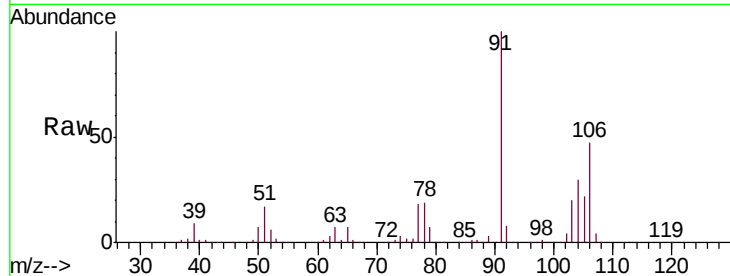
VSTD02514

Tgt Ion:106 Resp: 265900

Ion Ratio Lower Upper

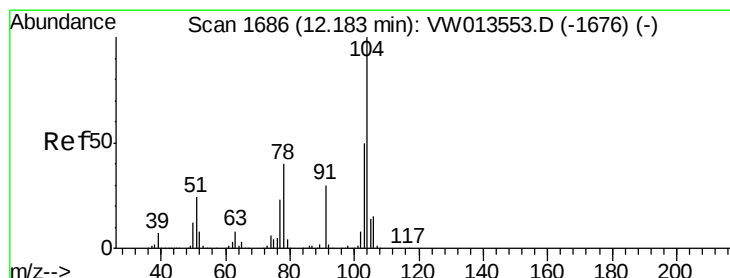
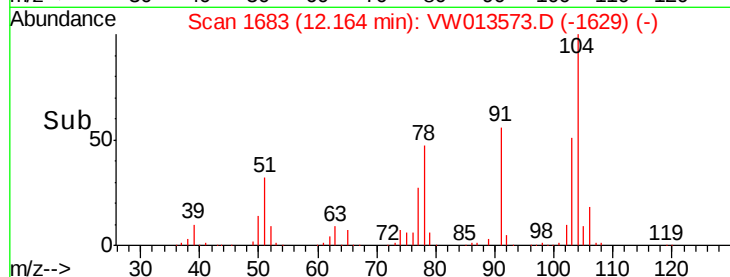
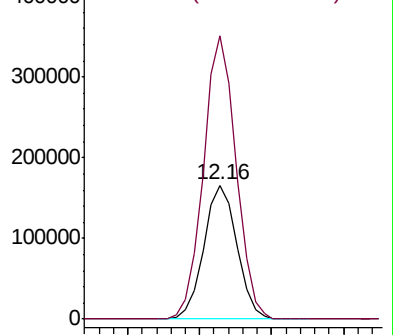
106 100

91 211.0 148.4 275.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.849 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW013573.D

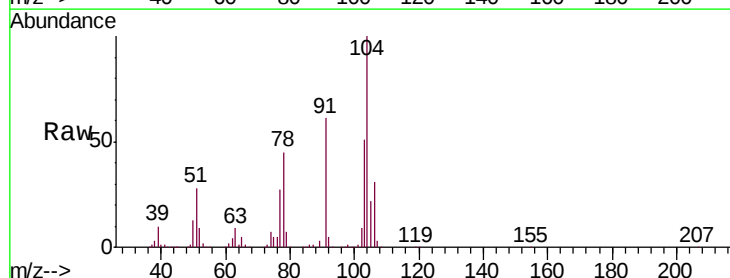
Acq: 14 Oct 2019 19:54

Tgt Ion:104 Resp: 460644

Ion Ratio Lower Upper

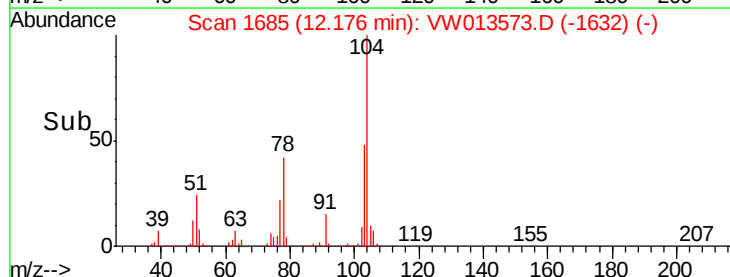
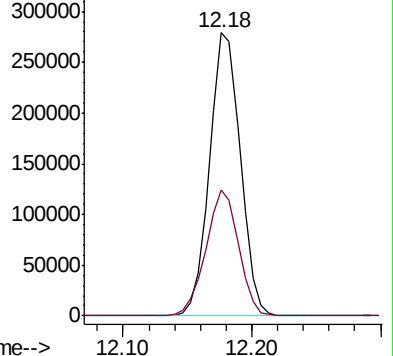
104 100

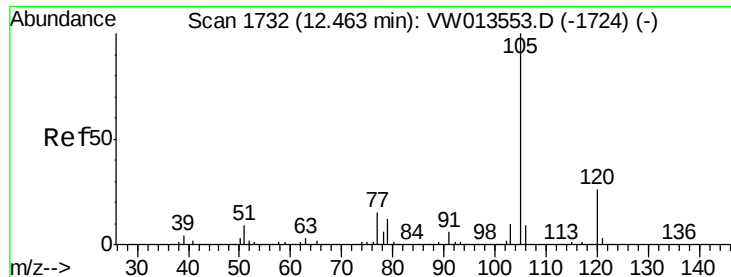
78 44.6 28.4 52.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.246 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

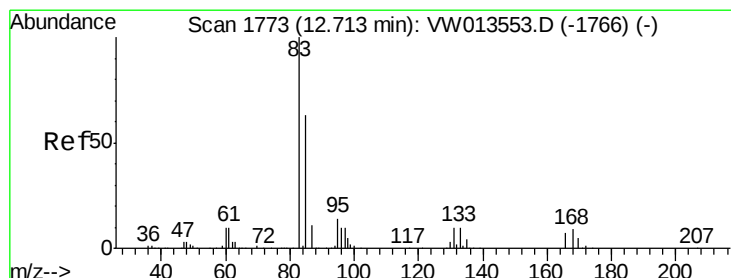
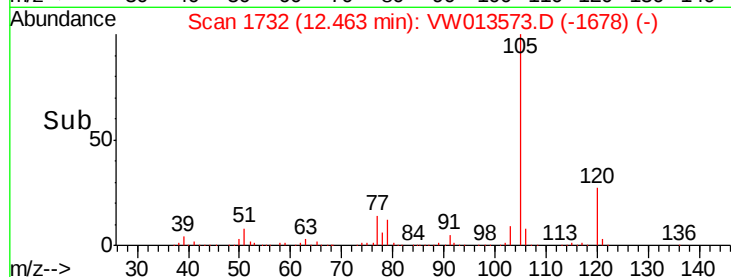
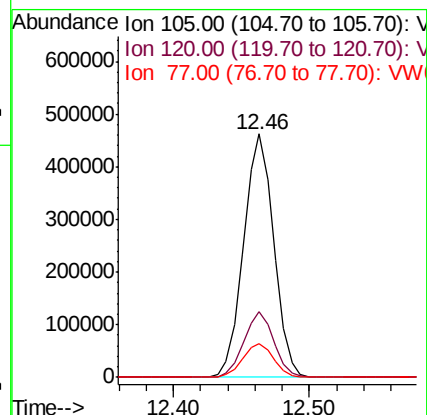
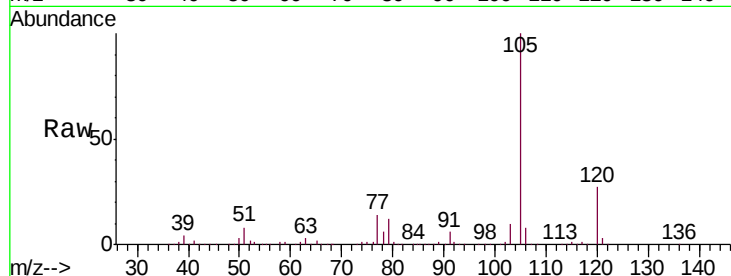
Tgt Ion: 105 Resp: 716629

Ion Ratio Lower Upper

105 100

120 26.6 21.7 32.5

77 14.2 11.8 17.6



#58

1,1,2,2-Tetrachloroethane

Concen: 29.696 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

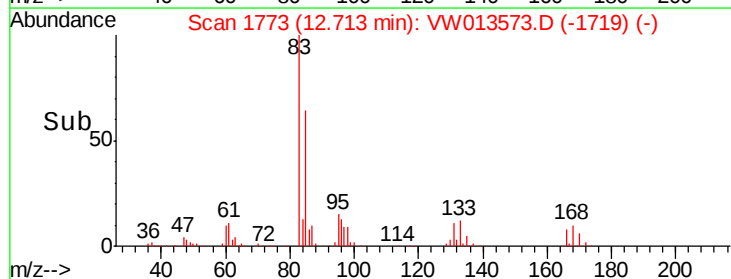
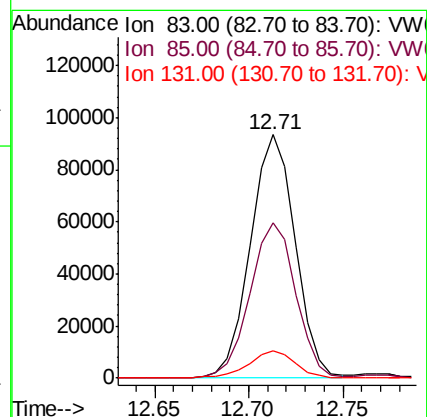
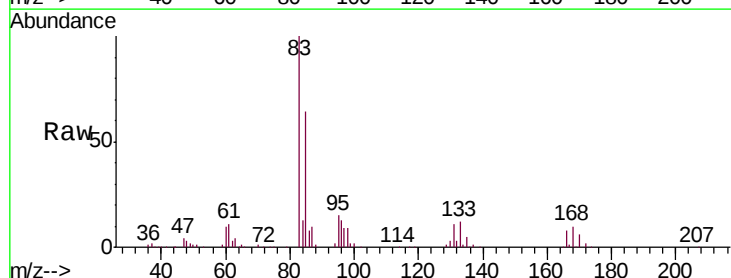
Tgt Ion: 83 Resp: 153686

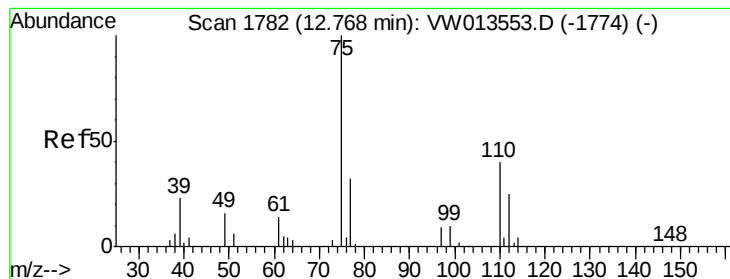
Ion Ratio Lower Upper

83 100

85 63.7 44.7 83.1

131 11.2 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 29.807 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

Instrument :

MSVOA_W

ClientSampleId :

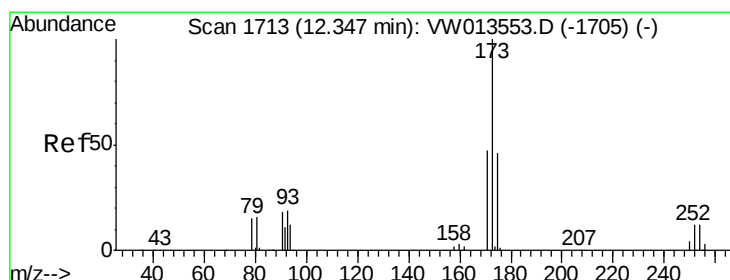
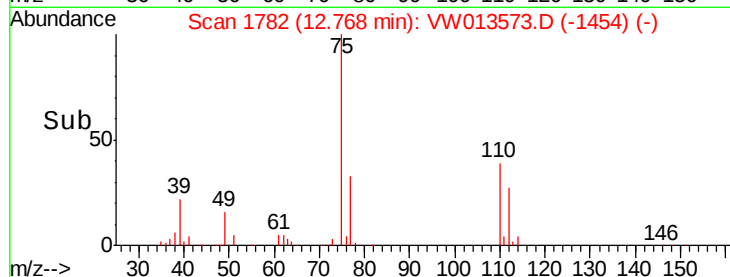
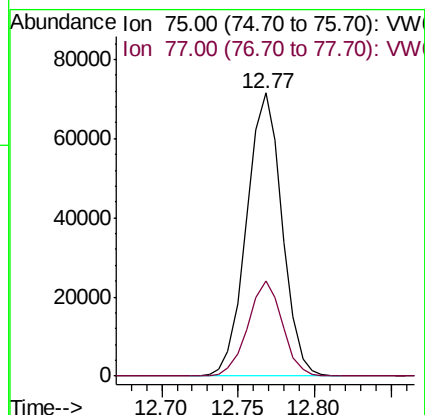
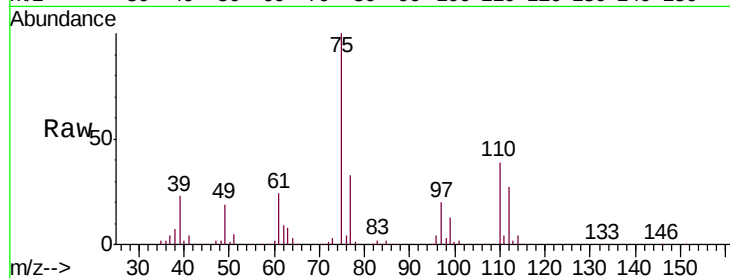
VSTD02514

Tgt Ion: 75 Resp: 115188

Ion Ratio Lower Upper

75 100

77 32.7 25.5 38.3



#62

Bromoform

Concen: 27.939 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

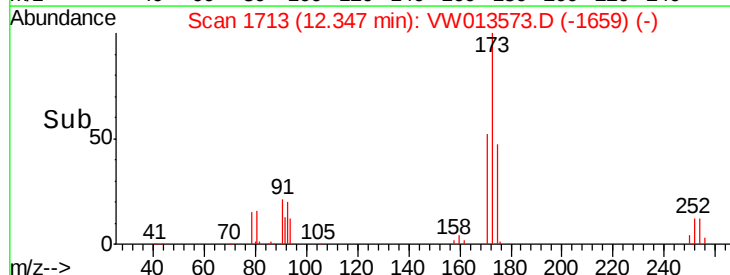
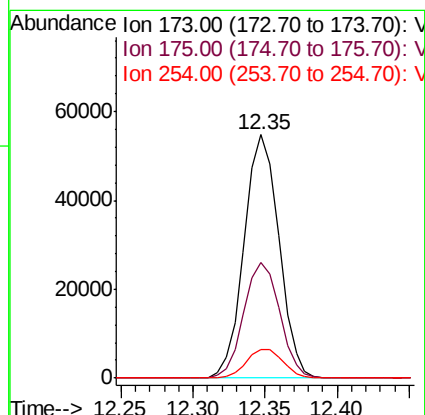
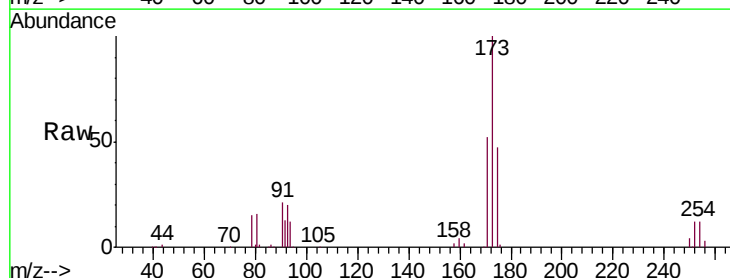
Tgt Ion: 173 Resp: 92040

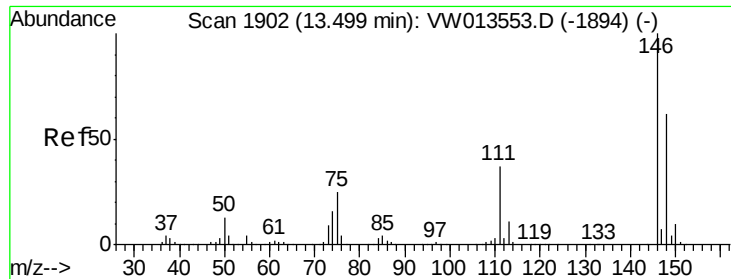
Ion Ratio Lower Upper

173 100

175 49.1 39.0 58.6

254 12.4 10.1 15.1

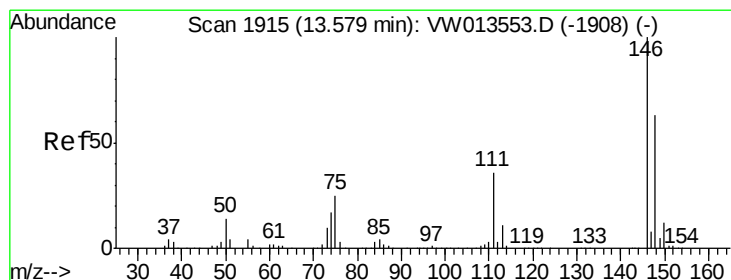
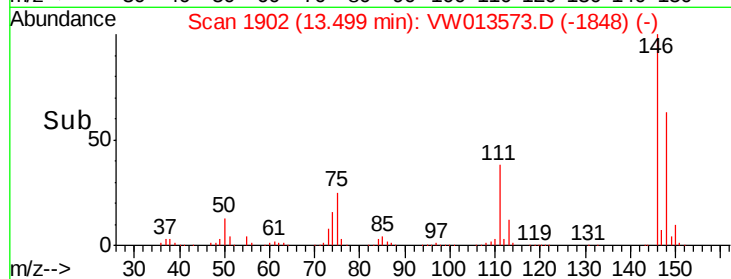
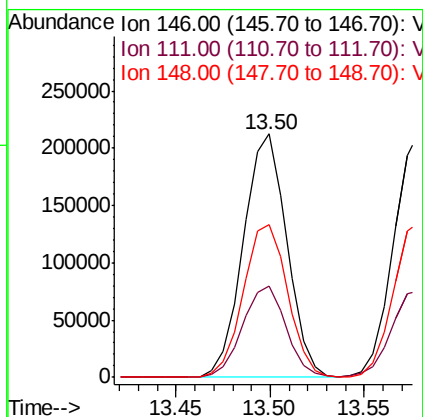
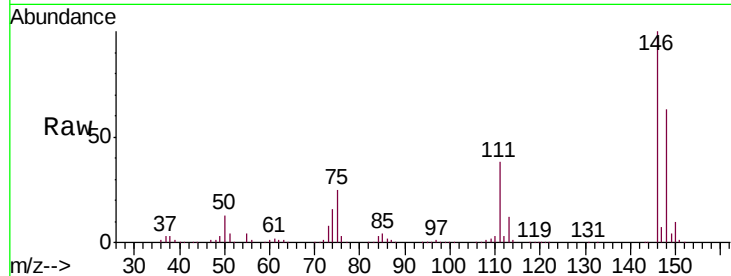




#63
 1,3-Dichlorobenzene
 Concen: 24.713 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013573.D
 Acq: 14 Oct 2019 19:54

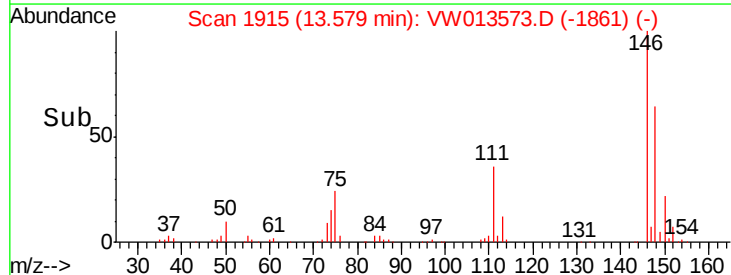
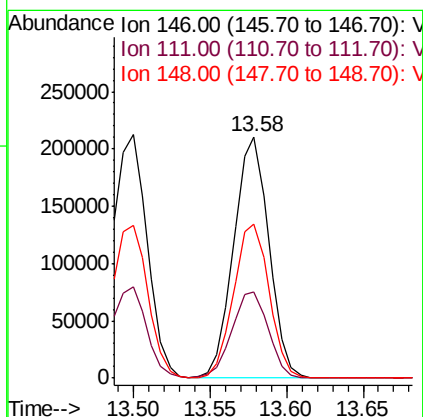
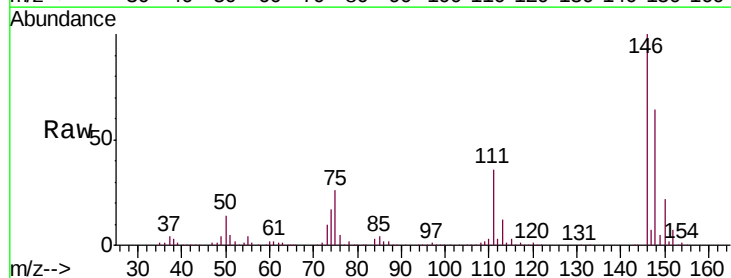
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

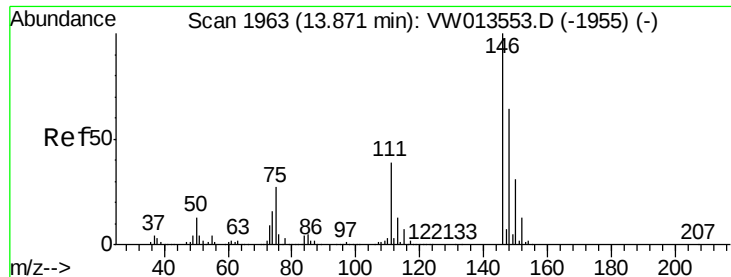
Tgt Ion:146 Resp: 339181
 Ion Ratio Lower Upper
 146 100
 111 37.6 25.3 46.9
 148 62.7 42.8 79.4



#64
 1,4-Dichlorobenzene
 Concen: 24.551 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013573.D
 Acq: 14 Oct 2019 19:54

Tgt Ion:146 Resp: 335420
 Ion Ratio Lower Upper
 146 100
 111 35.8 25.8 47.8
 148 64.1 43.7 81.1

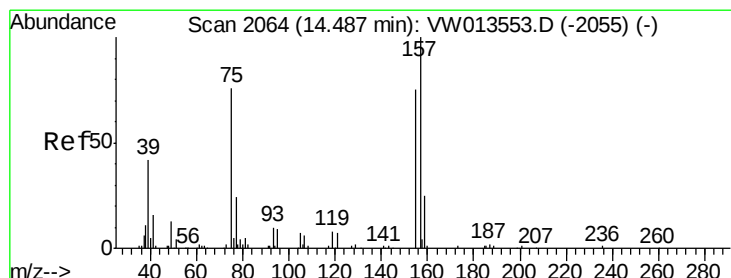
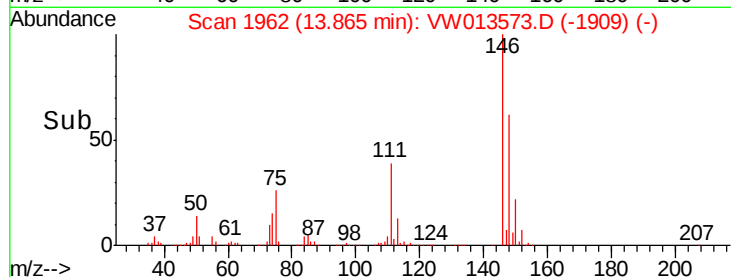
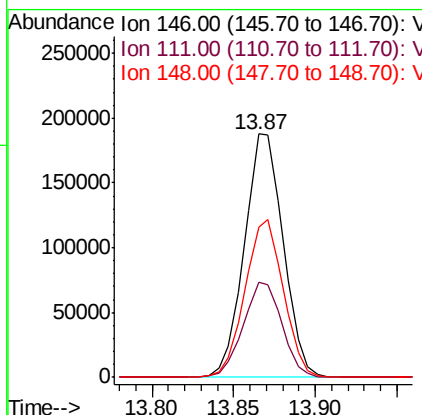
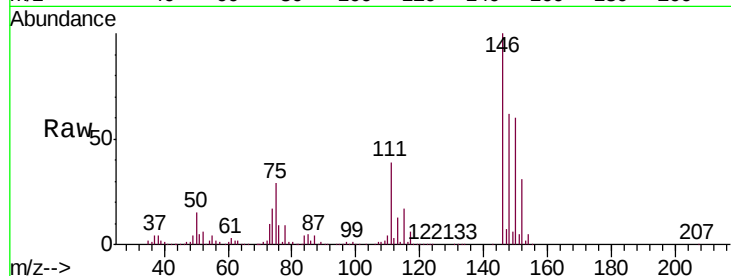




#65
 1,2-Dichlorobenzene
 Concen: 25.285 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW013573.D
 Acq: 14 Oct 2019 19:54

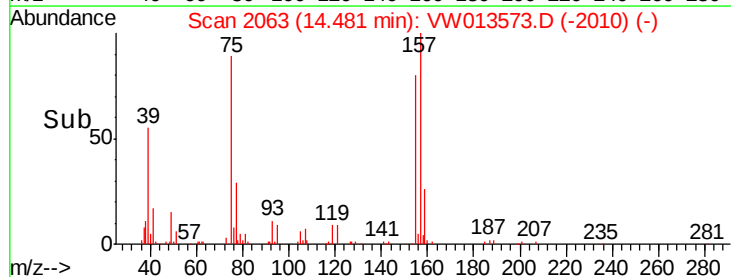
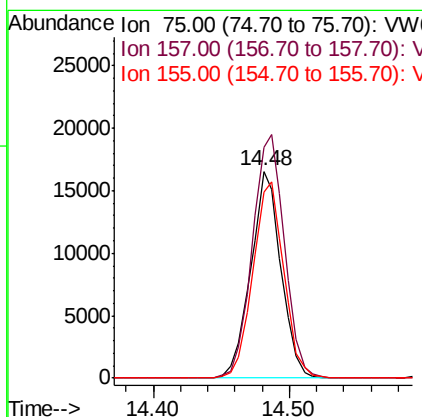
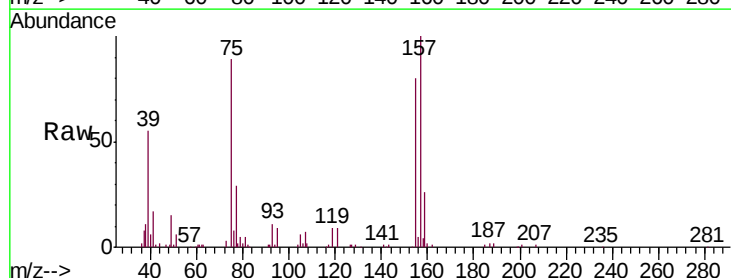
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

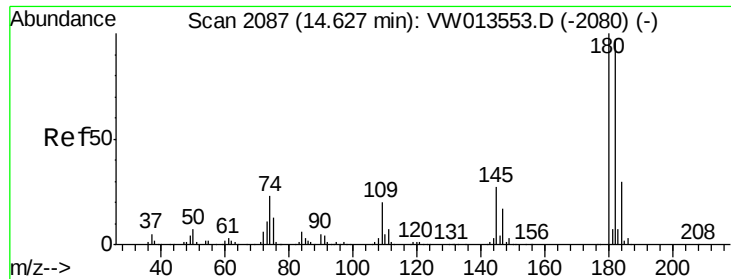
Tgt Ion: 146 Resp: 312023
 Ion Ratio Lower Upper
 146 100
 111 38.9 31.0 46.4
 148 61.9 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 30.208 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013573.D
 Acq: 14 Oct 2019 19:54

Tgt Ion: 75 Resp: 25735
 Ion Ratio Lower Upper
 75 100
 157 112.0 102.0 153.0
 155 89.8 77.6 116.4

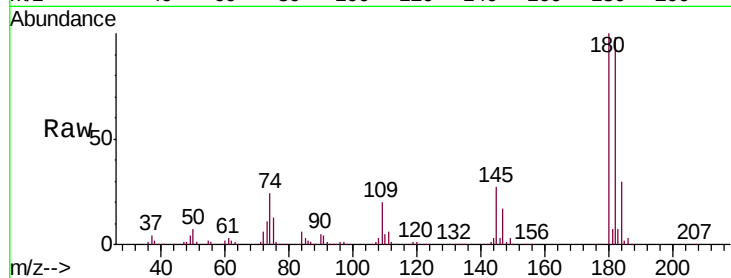




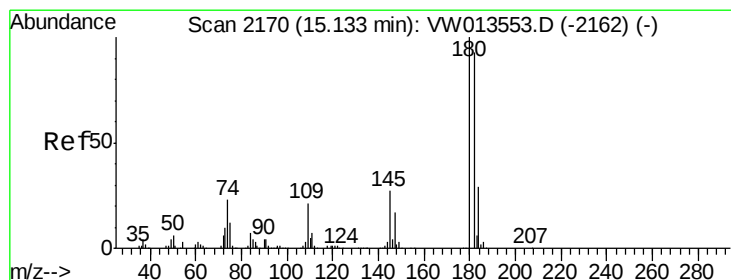
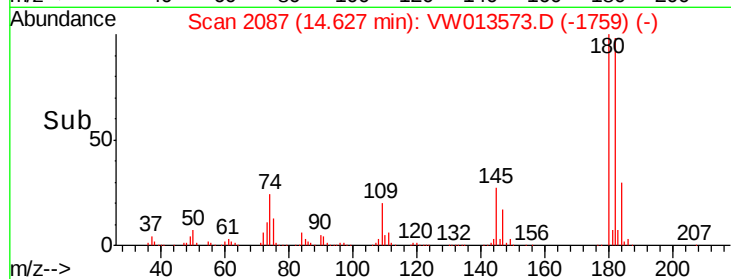
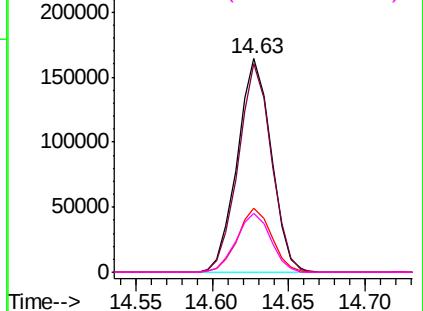
#67
 1,3,5-Trichlorobenzene
 Concen: 24.416 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW013573.D
 Acq: 14 Oct 2019 19:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Tgt Ion:	180	Resp:	252923
Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.0	115.4
184	30.2	24.7	37.1
145	27.9	22.2	33.2

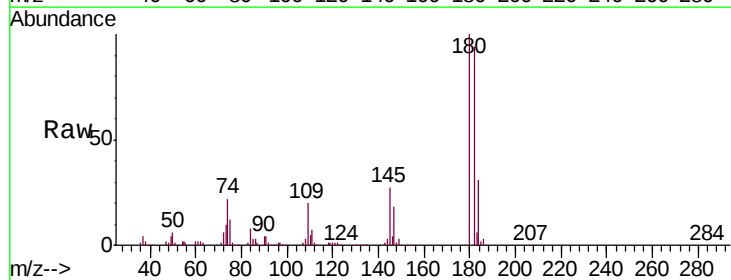


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

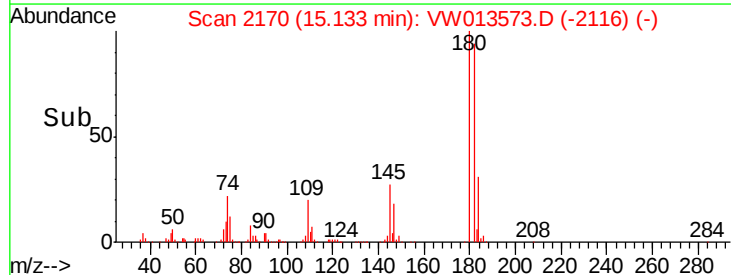
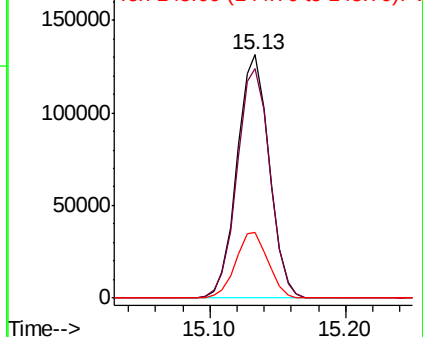


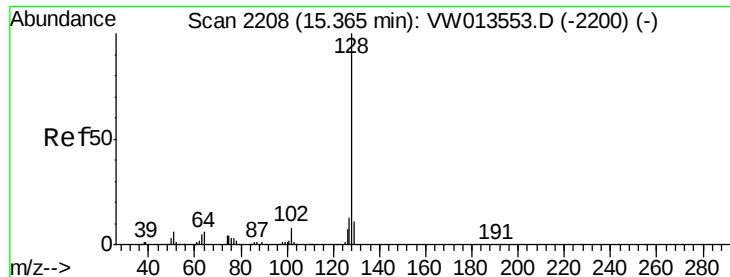
#68
 1,2,4-trichlorobenzene
 Concen: 25.222 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013573.D
 Acq: 14 Oct 2019 19:54

Tgt Ion:	180	Resp:	216554
Ion	Ratio	Lower	Upper
180	100		
182	96.6	78.2	117.2
145	27.4	22.8	34.2



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





#69

Naphthalene

Concen: 28.472 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

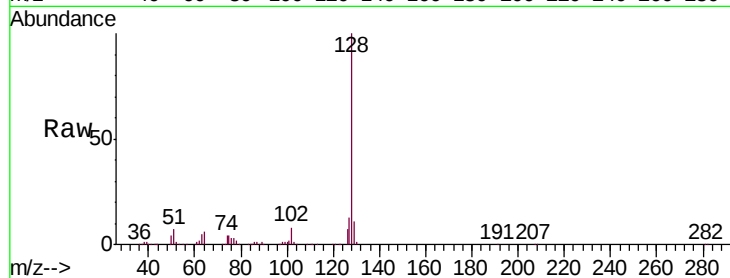
Tgt Ion:128 Resp: 445255

Ion Ratio Lower Upper

128 100

129 11.1 8.5 12.7

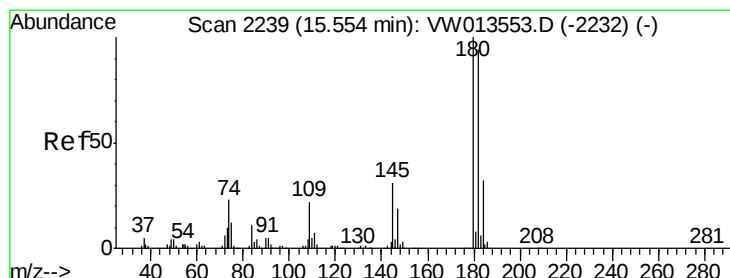
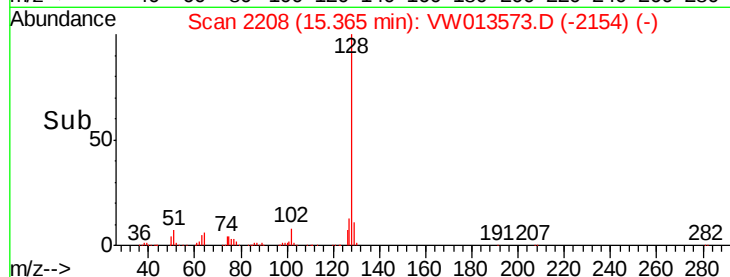
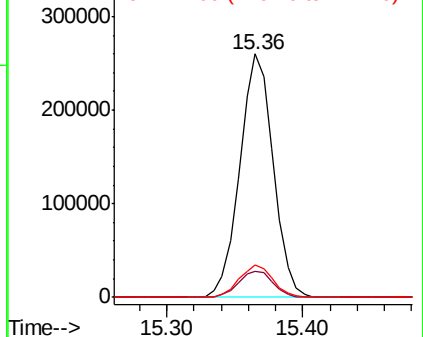
127 13.3 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.631 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013573.D

Acq: 14 Oct 2019 19:54

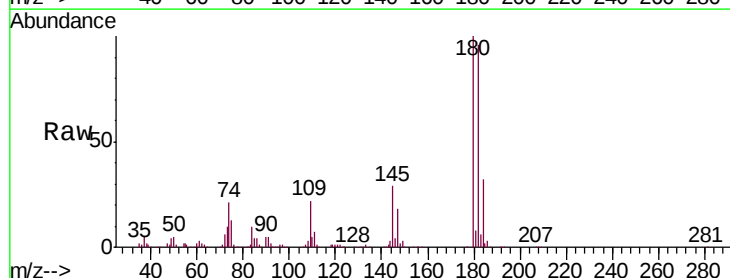
Tgt Ion:180 Resp: 195961

Ion Ratio Lower Upper

180 100

182 97.2 76.0 114.0

145 29.8 23.1 34.7



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

