

Data File : VW011572.D
Acq On : 30 Jul 2019 12:23
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

Quant Time: Jul 31 02:57:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 30 12:12:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	384566	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	339914	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	164816	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	132284	24.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.72%
7) Chloroethane-d5	2.89	69	97248	24.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.72%
10) 1,1-Dichloroethene-d2	4.02	63	312068	25.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.56%
20) 2-Butanone-d5	7.07	46	110195	45.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.38%
24) Chloroform-d	7.65	84	251660	23.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.32%
26) 1,2-Dichloroethane-d4	8.31	65	146385	23.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.68%
29) Benzene-d6	8.27	84	514339	24.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.24%
33) 1,2-Dichloropropane-d6	9.27	67	166745	24.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.68%
37) Toluene-d8	10.32	98	465209	24.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.08%
38) trans-1,3-Dichloropropene-	10.58	79	72990	24.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.52%
39) 2-Hexanone-d5	10.92	63	77853	48.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.60%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	134208	23.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	151511	23.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	126341	29.314	ug/L 97
3) Chloromethane	2.21	50	146718	26.171	ug/L 99
5) Vinyl chloride	2.36	62	191961	26.838	ug/L 98
6) Bromomethane	2.78	94	91660	27.182	ug/L 99
8) Chloroethane	2.92	64	102574	27.420	ug/L 96
9) Trichlorofluoromethane	3.26	101	99666	27.354	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	151254	27.382	ug/L 97
12) 1,1-Dichloroethene	4.04	96	149513	27.069	ug/L 100
13) Acetone	4.12	43	155741	59.638	ug/L 98
14) Carbon disulfide	4.39	76	489422	27.206	ug/L 100
15) Methyl Acetate	4.67	43	106671	24.983	ug/L 99
16) Methylene chloride	4.92	84	152726	25.449	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	247856	26.947	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	151359	26.524	ug/L 99
19) 1,1-Dichloroethane	6.21	63	305008	26.755	ug/L 99
21) 2-Butanone	7.17	43	182423	55.716	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	159274	26.678	ug/L 100

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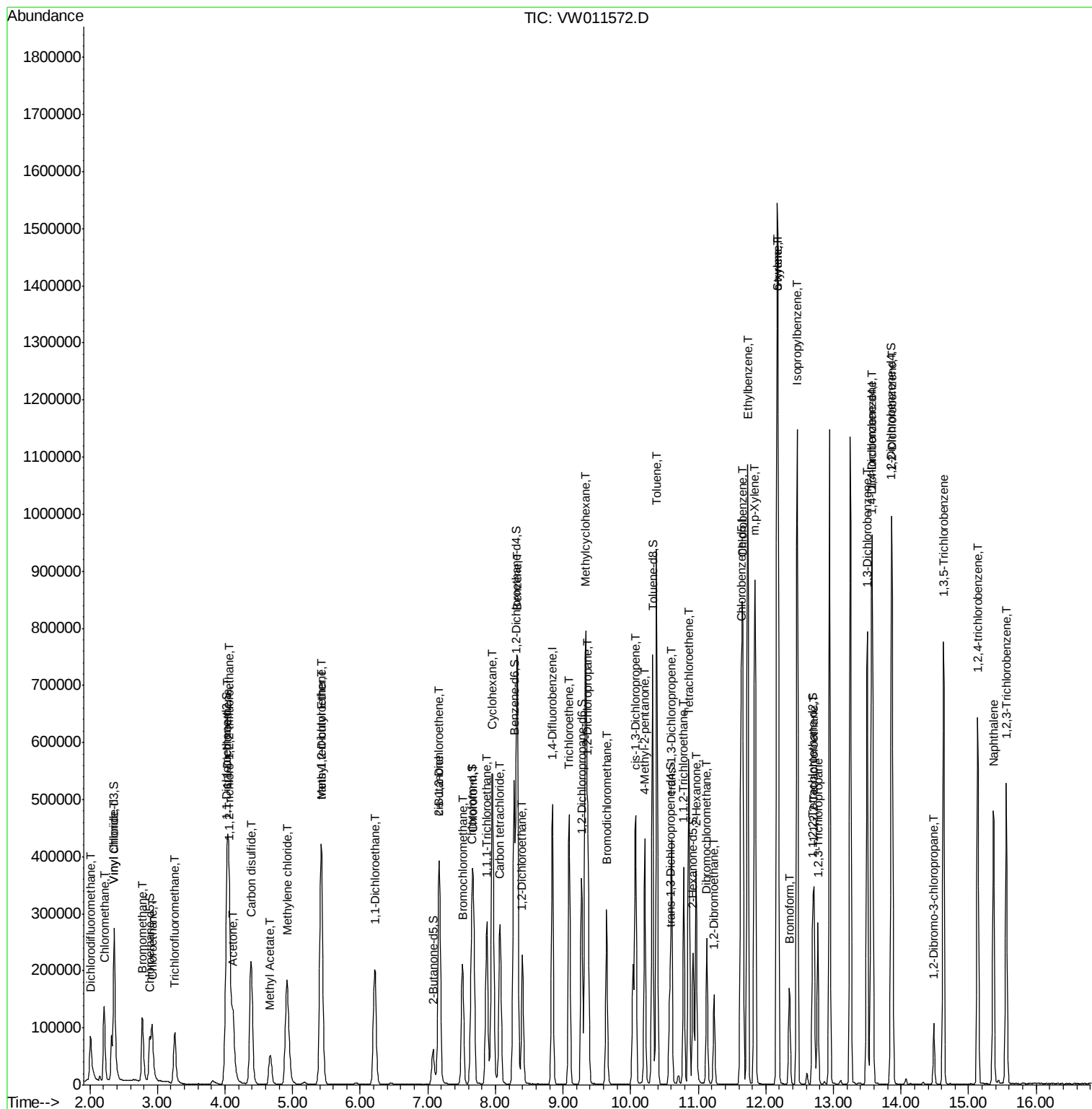
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	66653	26.239	ug/L	97
25) Chloroform	7.68	83	276077	26.275	ug/L	99
27) 1,2-Dichloroethane	8.40	62	204690	26.315	ug/L	98
30) Cyclohexane	7.95	56	330272	27.952	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	223092	26.935	ug/L	99
32) Carbon tetrachloride	8.07	117	212165	27.229	ug/L	100
34) Benzene	8.32	78	640606	26.893	ug/L	100
35) Trichloroethene	9.09	95	162475	26.868	ug/L	99
36) Methylcyclohexane	9.34	83	298594	27.218	ug/L	100
40) 1,2-Dichloropropane	9.37	63	170151	26.760	ug/L	100
41) Bromodichloromethane	9.65	83	201464	26.851	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	262121	27.561	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	304752	52.900	ug/L	99
44) Toluene	10.39	91	662484	27.375	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	215805	27.273	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	114273	26.360	ug/L	98
47) Tetrachloroethene	10.86	164	125416	27.152	ug/L	95
49) 2-Hexanone	10.97	43	253544	57.124	ug/L	98
50) Dibromochloromethane	11.13	129	129553	27.113	ug/L	95
51) 1,2-Dibromoethane	11.23	107	111585	26.453	ug/L	100
52) Chlorobenzene	11.66	112	391818	26.835	ug/L	99
53) Ethylbenzene	11.73	91	743350	27.543	ug/L	100
54) m,p-Xylene	11.84	106	271121	27.627	ug/L	94
55) o-xylene	12.16	106	257442	27.874	ug/L	97
56) Styrene	12.18	104	440037	28.025	ug/L	95
57) Isopropylbenzene	12.46	105	709334	27.917	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	150458	26.118	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	114796	25.836	ug/L	98
62) Bromoform	12.35	173	76207	25.844	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	302370	27.030	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	301700	26.857	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	274220	27.072	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	26815	25.578	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	229690	27.897	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	194101	29.272	ug/L	99
69) Naphthalene	15.36	128	391619	29.328	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	179732	29.266	ug/L	100

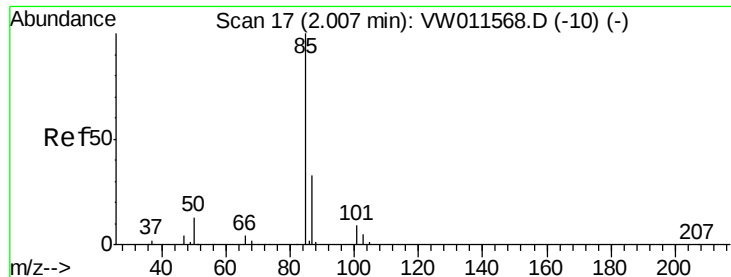
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 29.314 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

Instrument :

MSVOA_W

ClientSampleId :

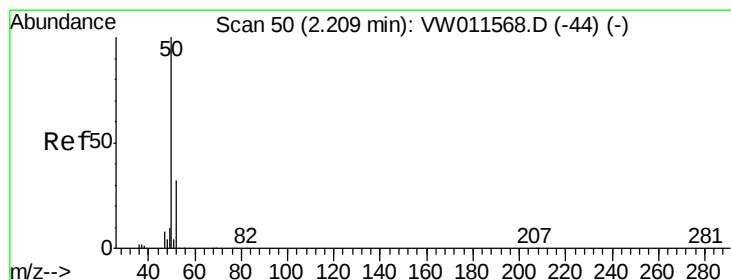
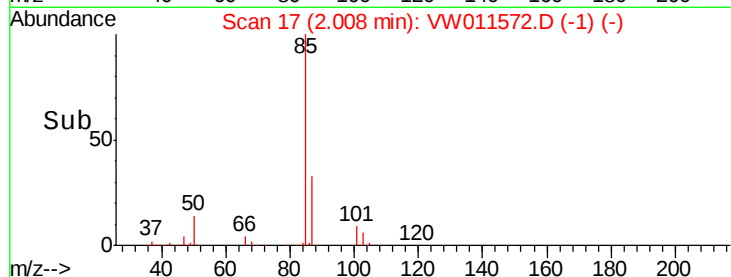
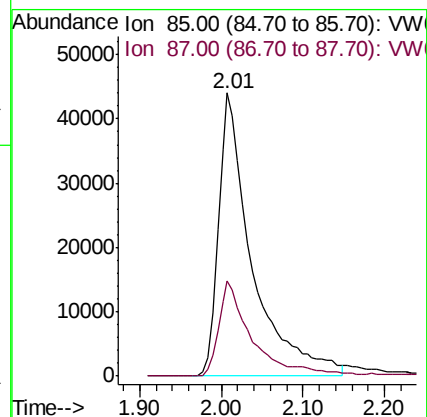
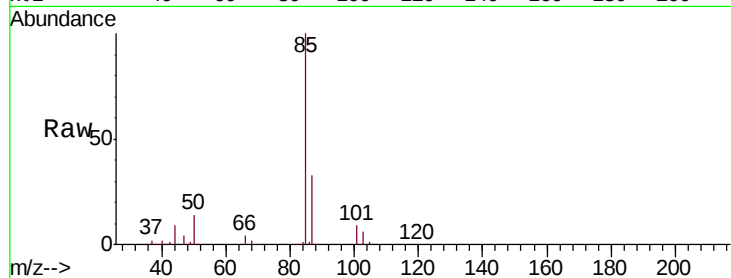
VSTD02523

Tgt Ion: 85 Resp: 126341

Ion Ratio Lower Upper

85 100

87 29.7 21.8 40.6



#3

Chloromethane

Concen: 26.171 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW011572.D

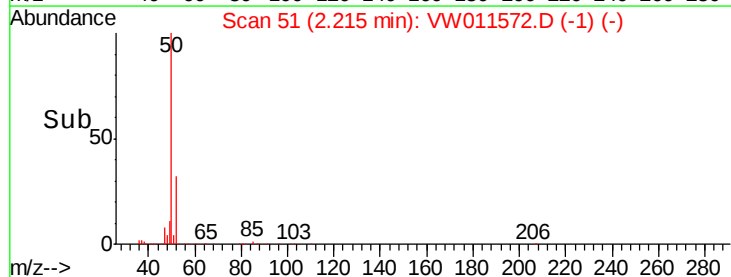
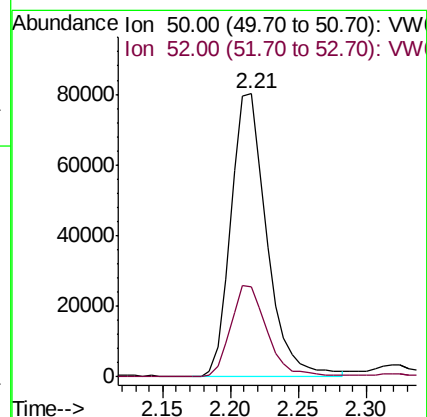
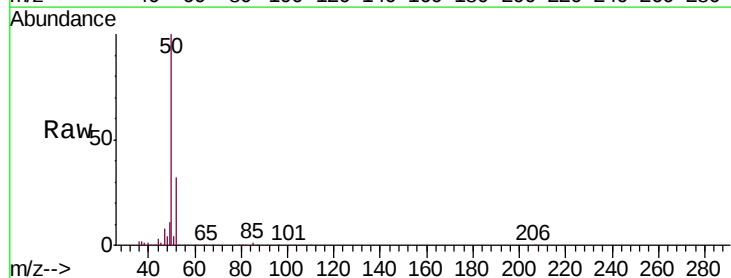
Acq: 30 Jul 2019 12:23

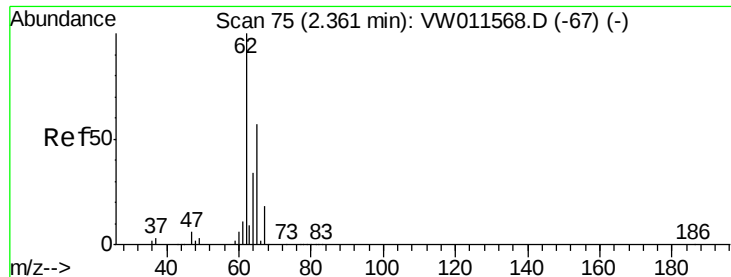
Tgt Ion: 50 Resp: 146718

Ion Ratio Lower Upper

50 100

52 32.1 22.7 42.1





#5

Vinyl chloride

Concen: 26.838 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

Instrument :

MSVOA_W

ClientSampleId :

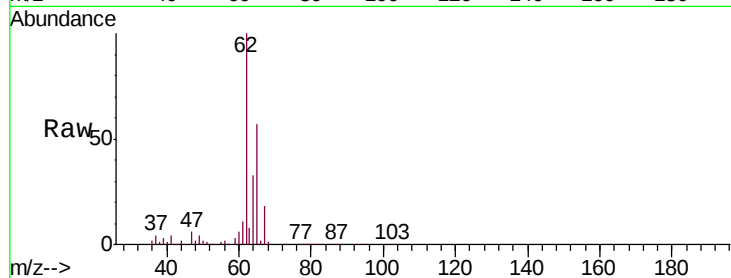
VSTD02523

Tgt Ion: 62 Resp: 191961

Ion Ratio Lower Upper

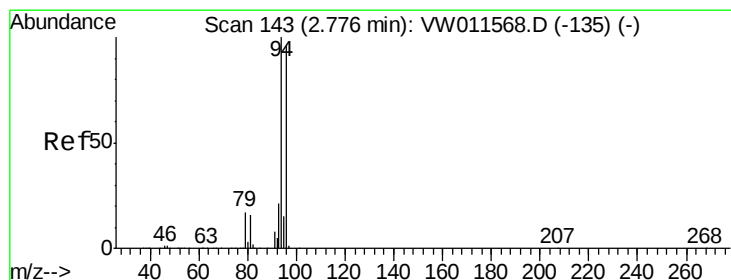
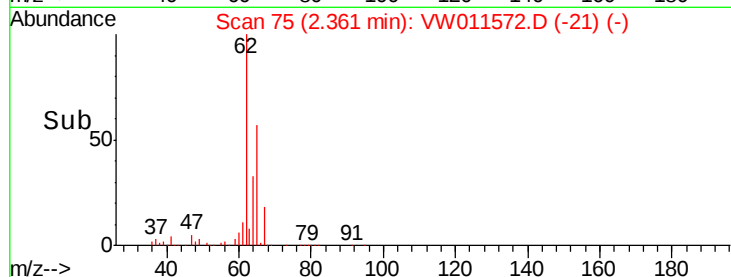
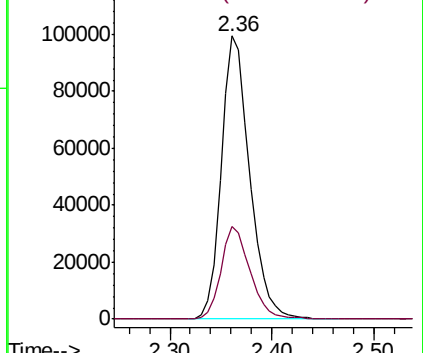
62 100

64 32.8 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 27.182 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW011572.D

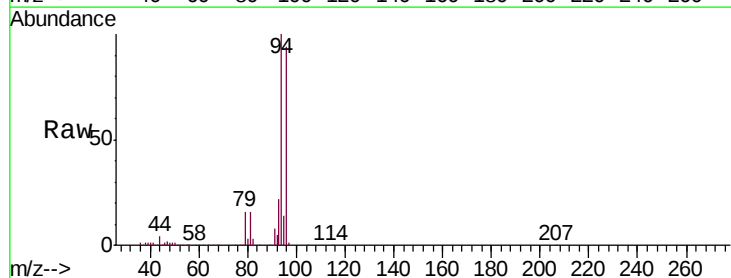
Acq: 30 Jul 2019 12:23

Tgt Ion: 94 Resp: 91660

Ion Ratio Lower Upper

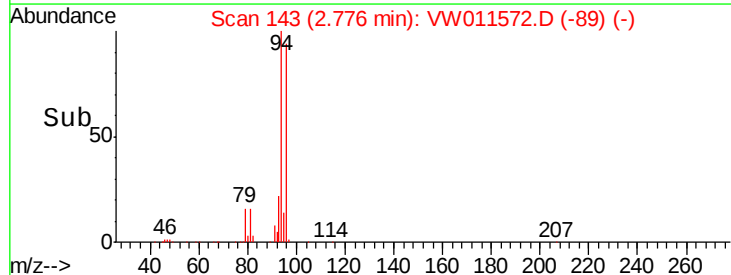
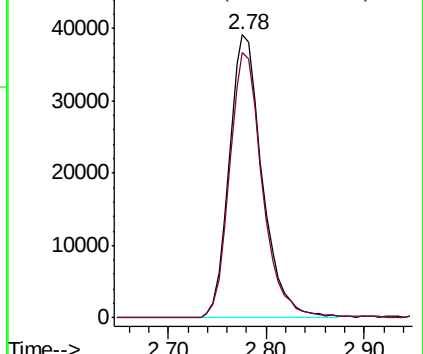
94 100

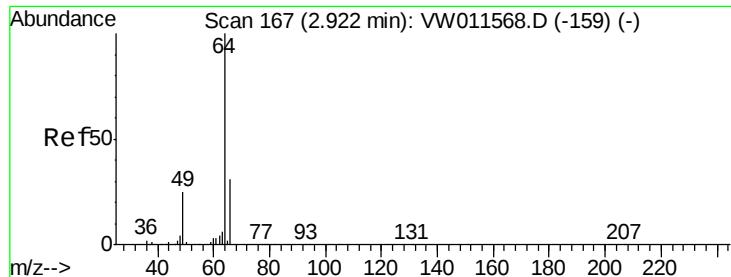
96 93.3 9.3 175.9



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 27.420 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

Instrument :

MSVOA_W

ClientSampleId :

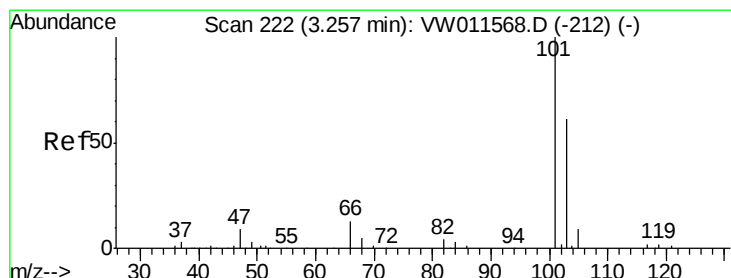
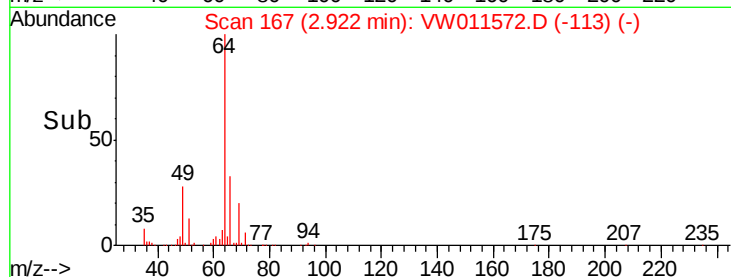
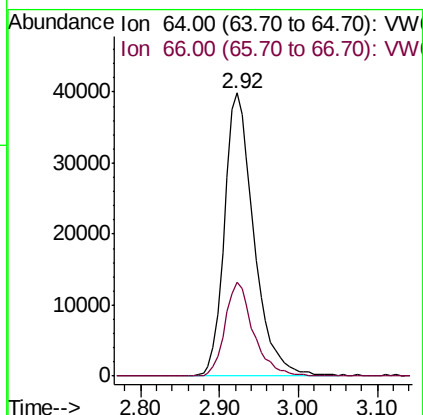
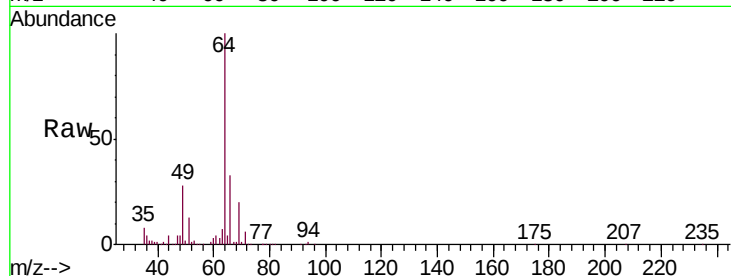
VSTD02523

Tgt Ion: 64 Resp: 102574

Ion Ratio Lower Upper

64 100

66 33.4 22.0 40.8



#9

Trichlorofluoromethane

Concen: 27.354 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW011572.D

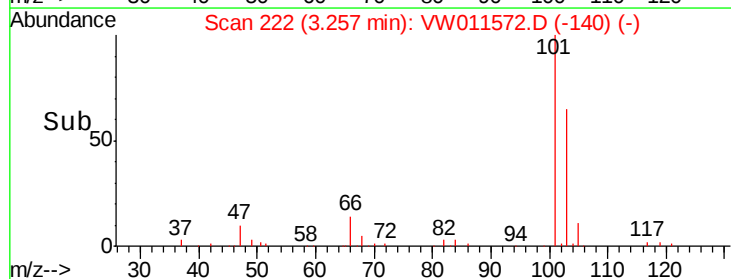
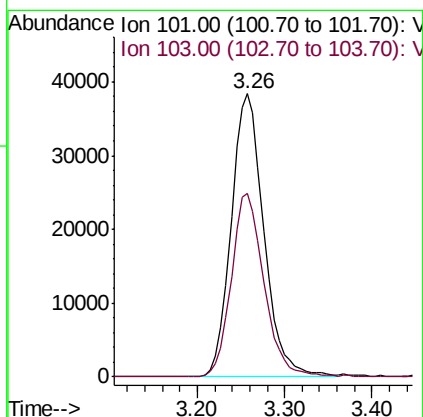
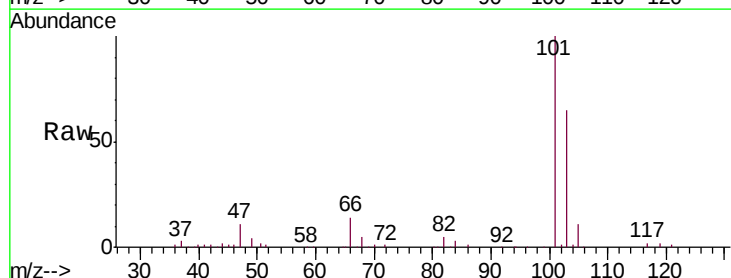
Acq: 30 Jul 2019 12:23

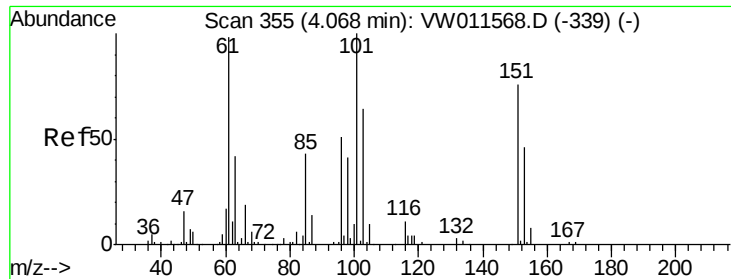
Tgt Ion: 101 Resp: 99666

Ion Ratio Lower Upper

101 100

103 64.9 44.3 82.3





#11

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

Concen: 27.382 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW011572.D

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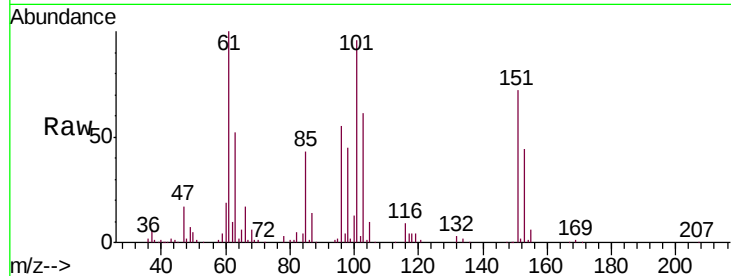
Tgt Ion: 101 Resp: 151254

Ion Ratio Lower Upper

101 100

85 44.7 37.0 55.4

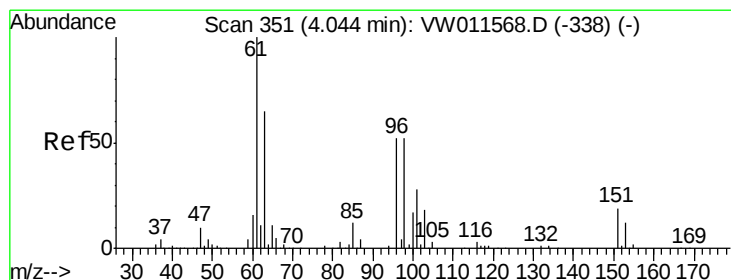
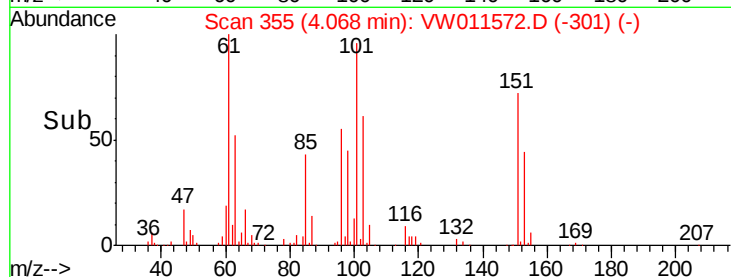
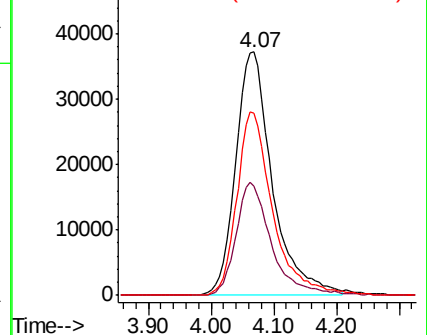
151 73.3 60.8 91.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 27.069 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

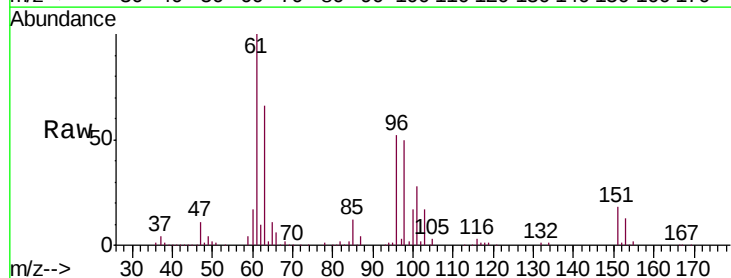
Tgt Ion: 96 Resp: 149513

Ion Ratio Lower Upper

96 100

61 193.5 135.0 250.8

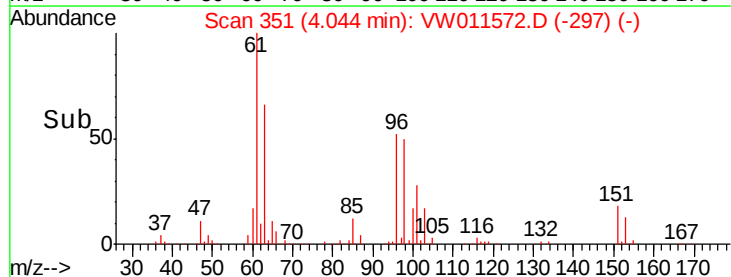
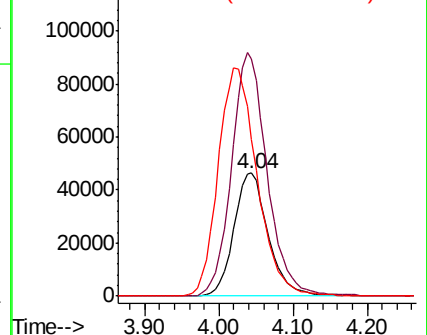
63 127.2 89.2 165.8

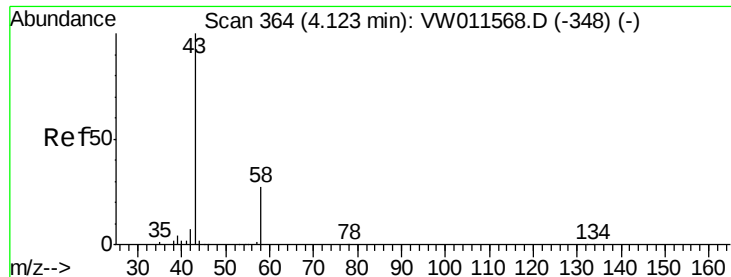


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 59.638 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

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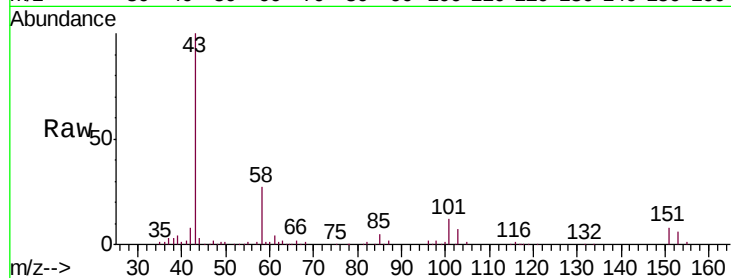
VSTD02523

Tgt Ion: 43 Resp: 155741

Ion Ratio Lower Upper

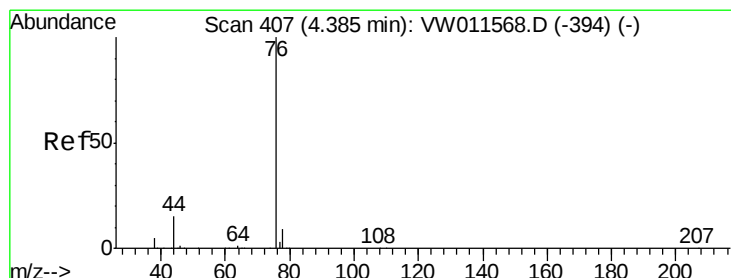
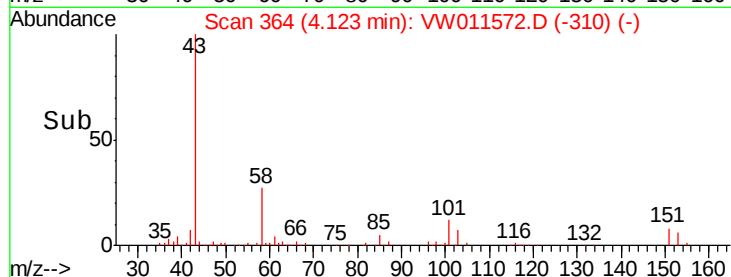
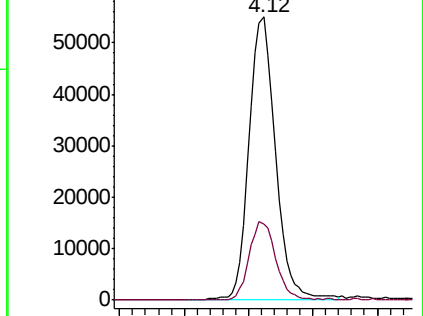
43 100

58 27.6 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 27.206 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW011572.D

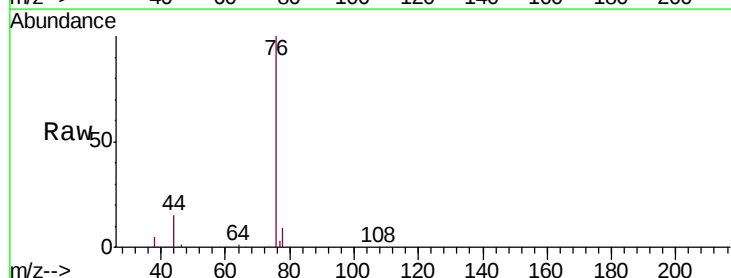
Acq: 30 Jul 2019 12:23

Tgt Ion: 76 Resp: 489422

Ion Ratio Lower Upper

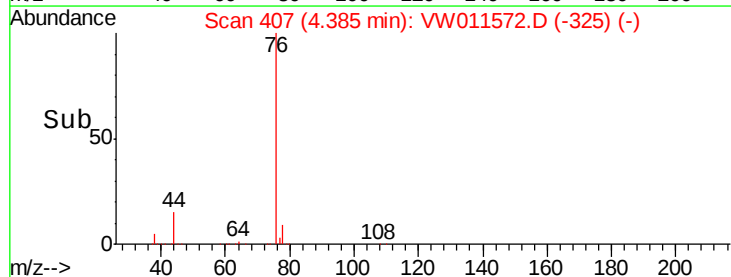
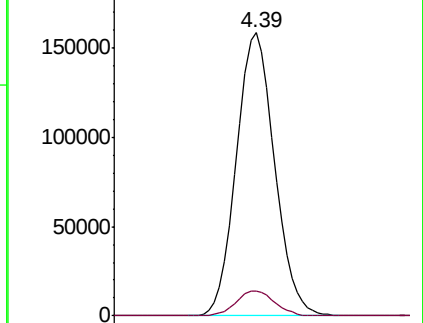
76 100

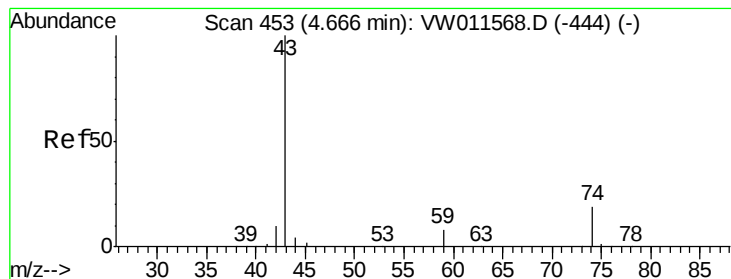
78 8.7 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 24.983 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

Instrument :

MSVOA_W

ClientSampleId :

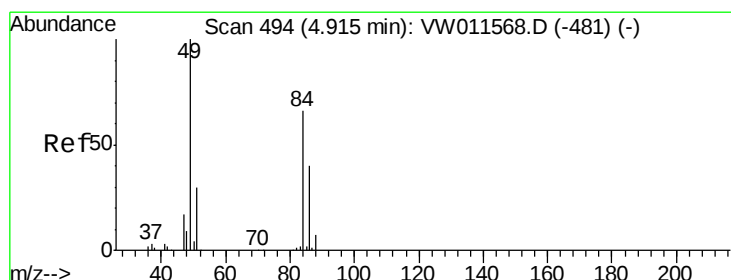
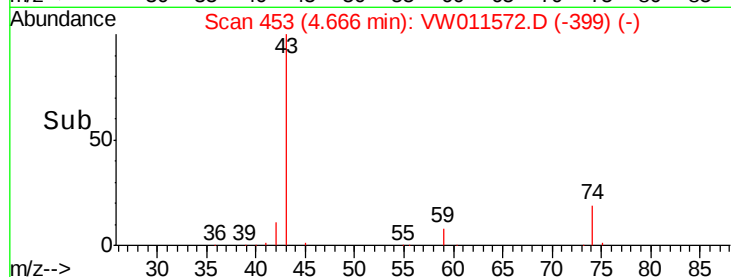
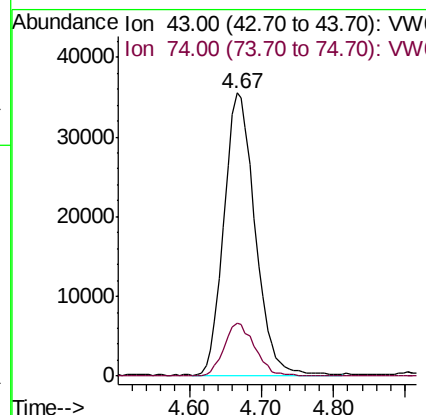
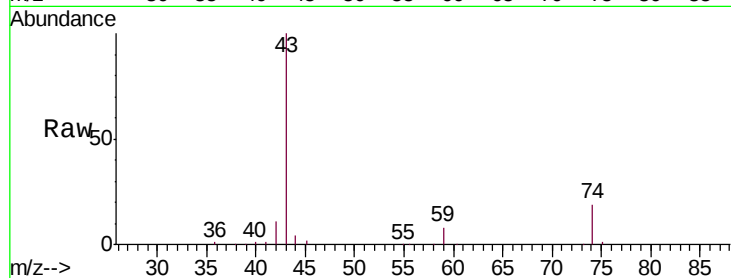
VSTD02523

Tgt Ion: 43 Resp: 106671

Ion Ratio Lower Upper

43 100

74 18.2 15.0 22.4



#16

Methylene chloride

Concen: 25.449 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

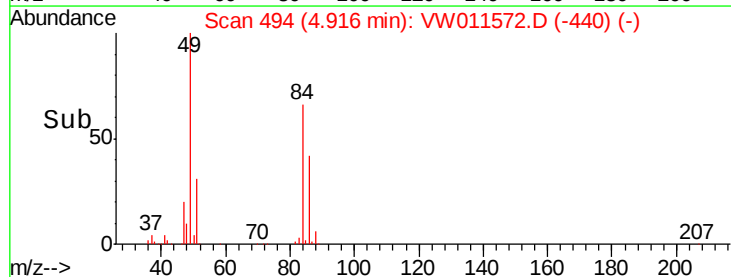
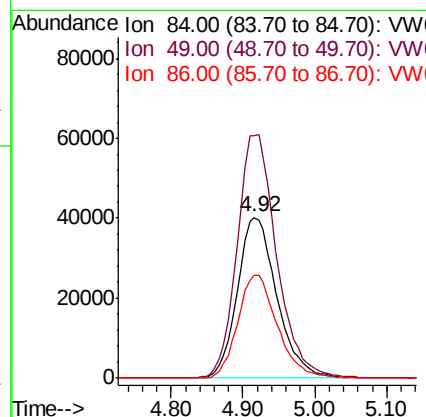
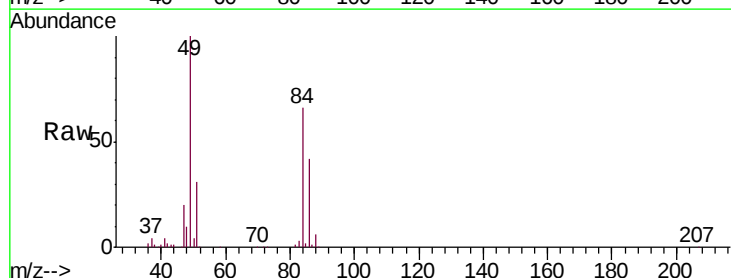
Tgt Ion: 84 Resp: 152726

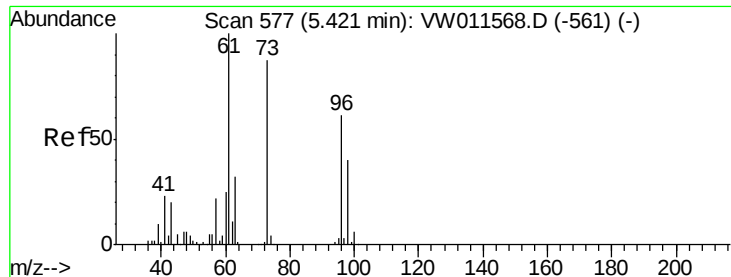
Ion Ratio Lower Upper

84 100

49 150.9 106.8 198.4

86 63.9 42.8 79.4

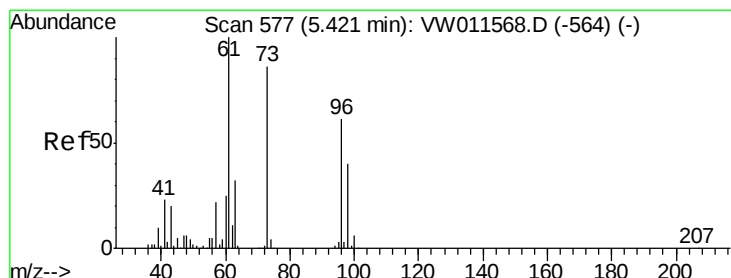
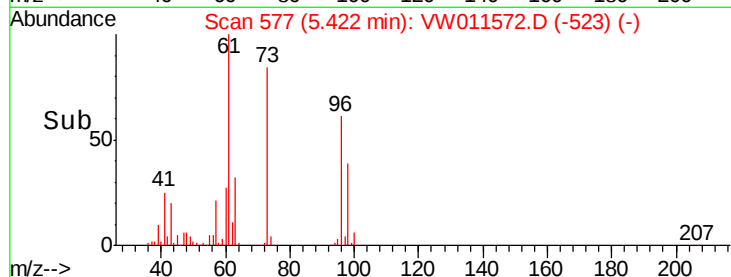
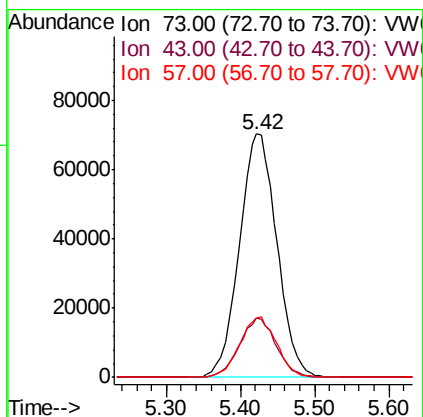
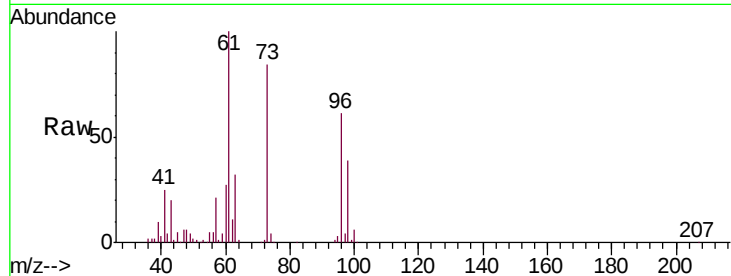




#17
Methyl tert-butyl Ether
Concen: 26.947 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011572.D
Acq: 30 Jul 2019 12:23

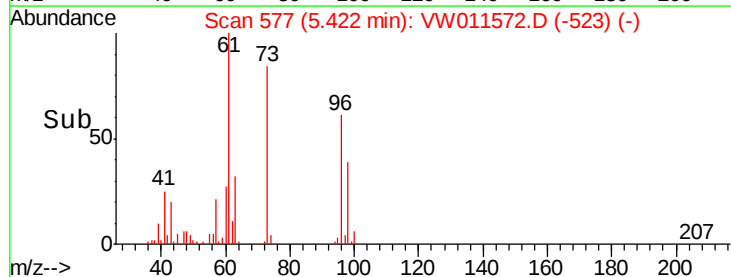
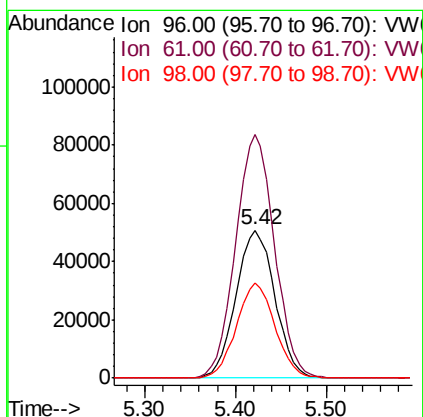
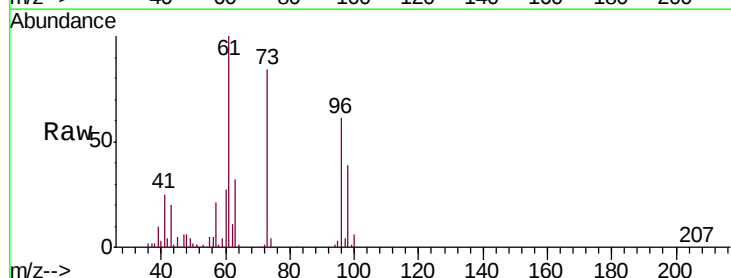
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

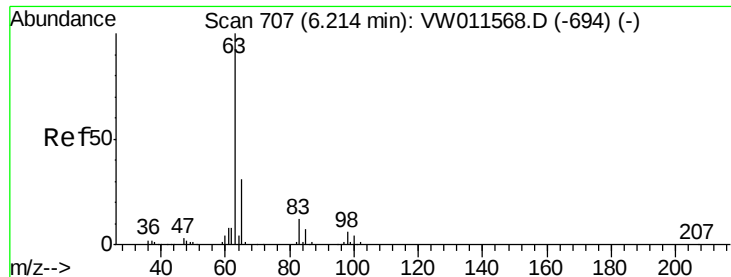
Tgt Ion: 73 Resp: 247856
Ion Ratio Lower Upper
73 100
43 23.7 19.3 28.9
57 24.3 19.7 29.5



#18
trans-1,2-Dichloroethene
Concen: 26.524 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011572.D
Acq: 30 Jul 2019 12:23

Tgt Ion: 96 Resp: 151359
Ion Ratio Lower Upper
96 100
61 164.8 114.2 212.0
98 64.5 45.6 84.6

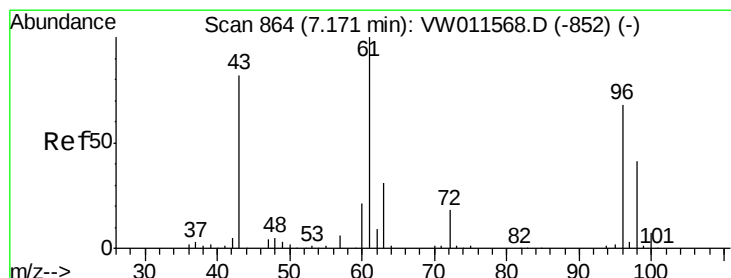
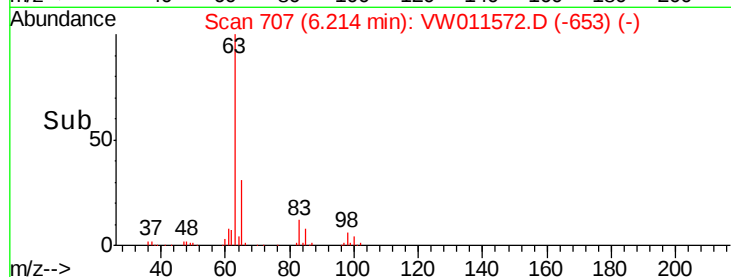
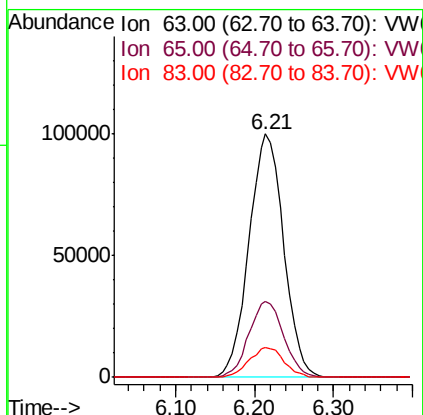
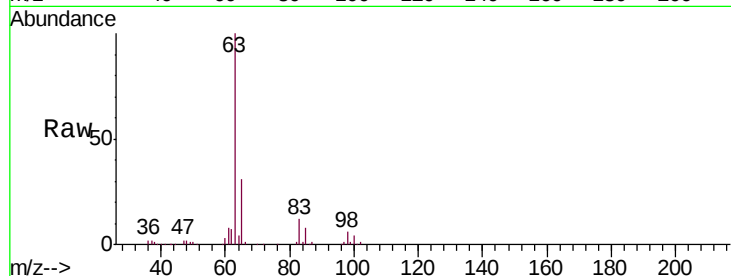




#19
 1,1-Dichloroethane
 Concen: 26.755 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW011572.D
 Acq: 30 Jul 2019 12:23

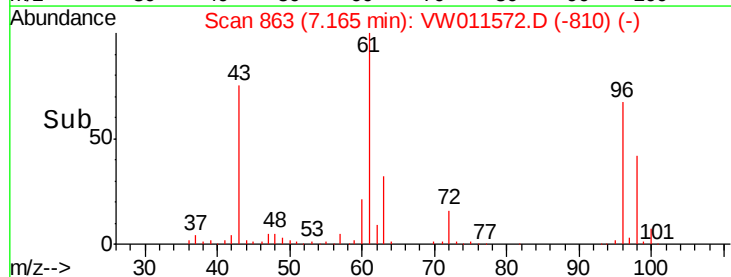
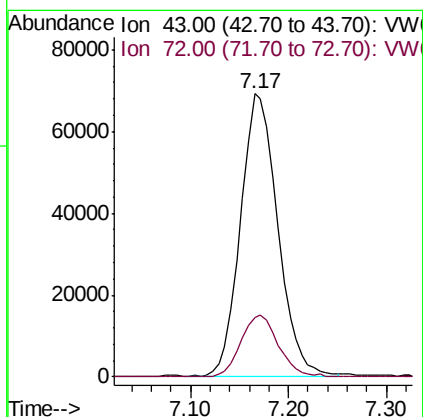
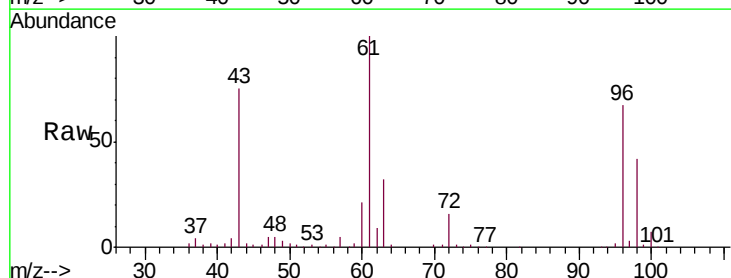
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

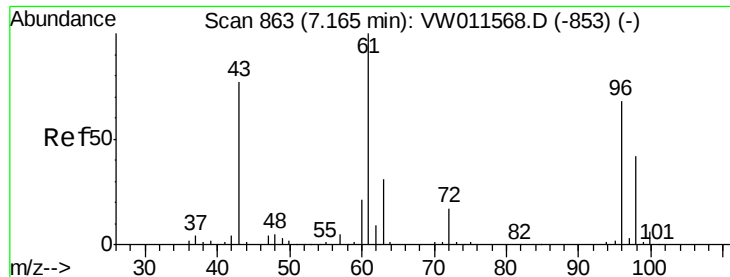
Tgt Ion: 63 Resp: 305008
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.7 40.3
 83 12.3 8.4 15.6



#21
 2-Butanone
 Concen: 55.716 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011572.D
 Acq: 30 Jul 2019 12:23

Tgt Ion: 43 Resp: 182423
 Ion Ratio Lower Upper
 43 100
 72 21.9 10.7 32.1



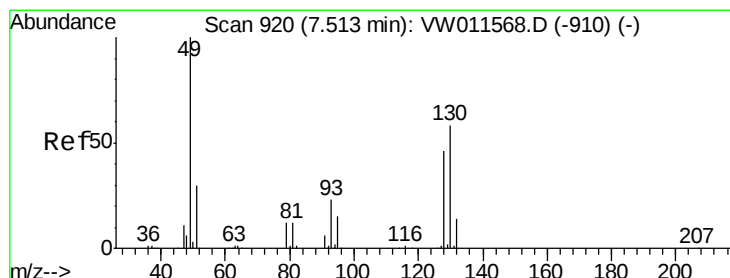
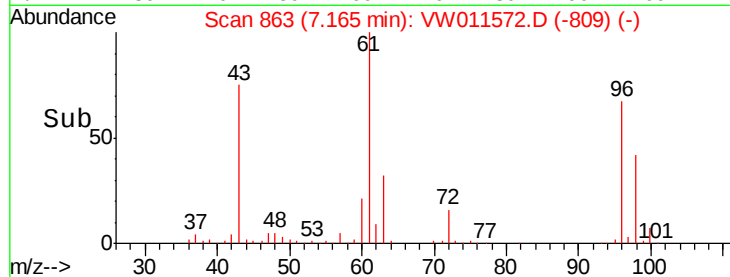
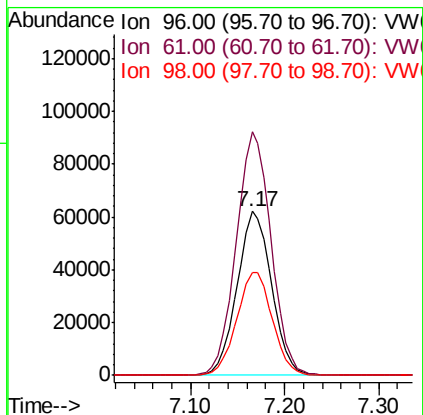
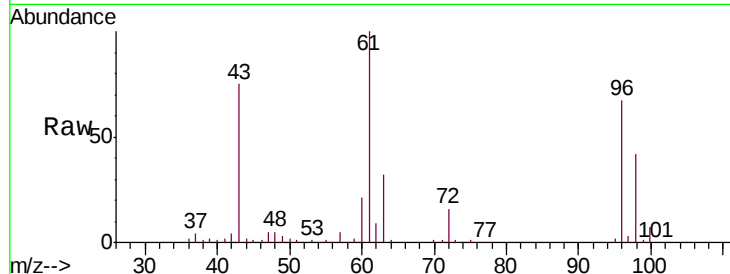


#22

cis-1,2-Dichloroethene
 Concen: 26.678 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011572.D
 Acq: 30 Jul 2019 12:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

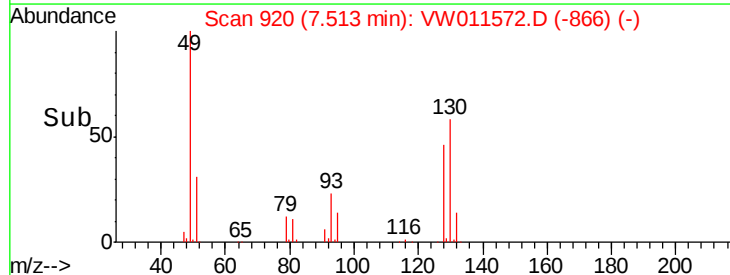
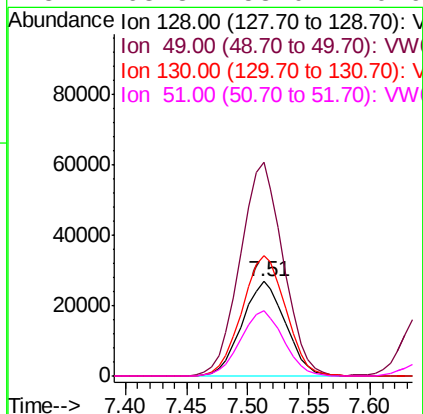
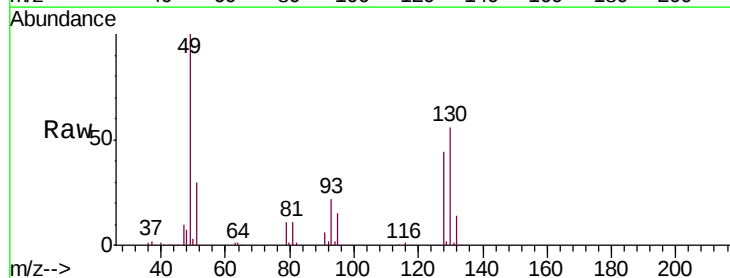
Tgt Ion: 96 Resp: 159274
 Ion Ratio Lower Upper
 96 100
 61 148.5 103.9 192.9
 98 62.4 43.5 80.9

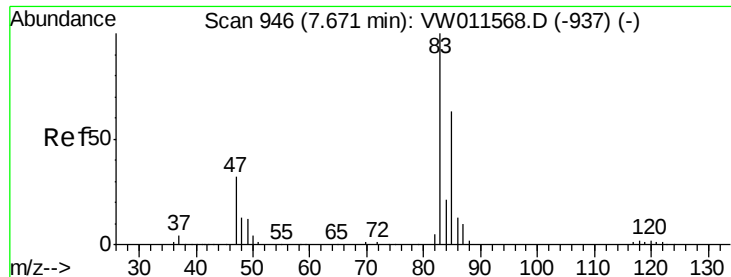


#23

Bromochloromethane
 Concen: 26.239 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW011572.D
 Acq: 30 Jul 2019 12:23

Tgt Ion: 128 Resp: 66653
 Ion Ratio Lower Upper
 128 100
 49 226.1 153.6 285.3
 130 127.4 89.5 166.3
 51 68.8 53.0 79.6

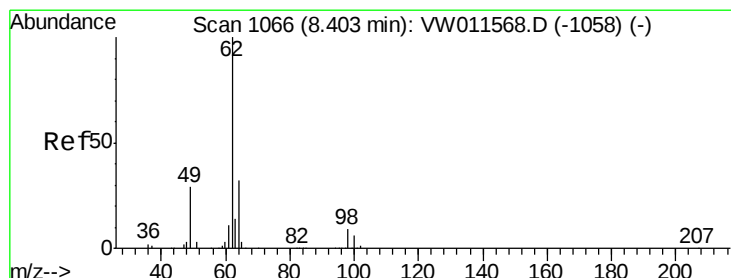
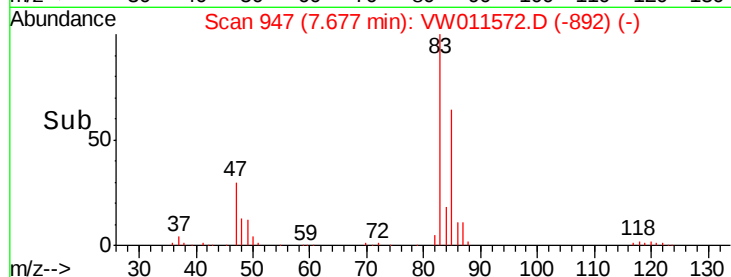
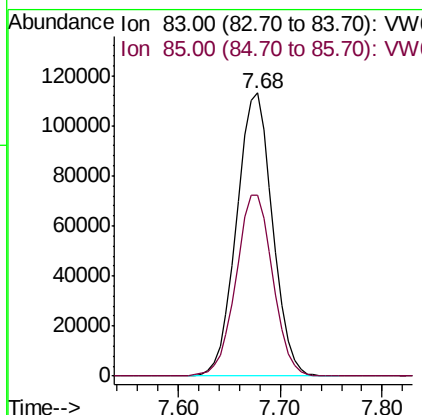
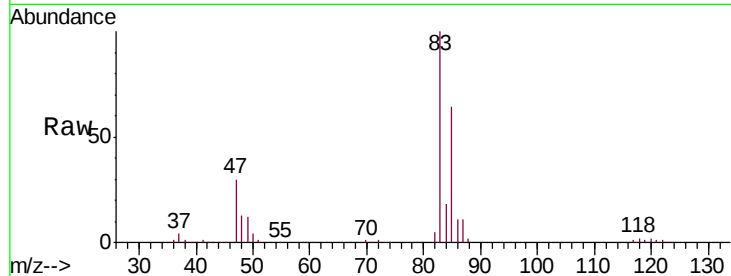




#25
Chloroform
Concen: 26.275 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW011572.D
Acq: 30 Jul 2019 12:23

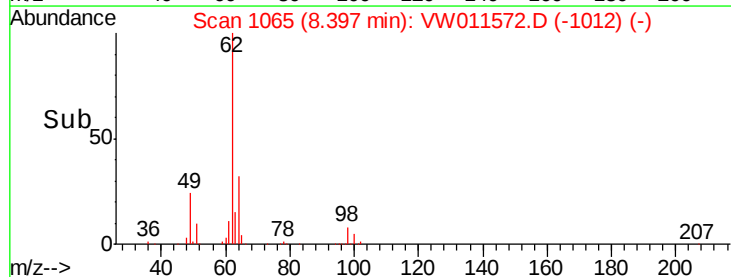
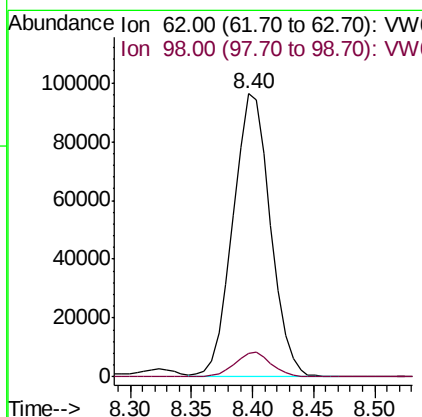
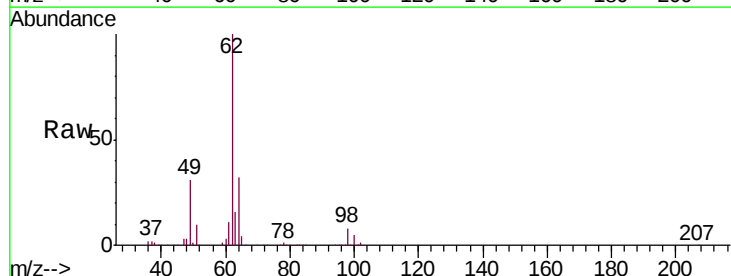
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

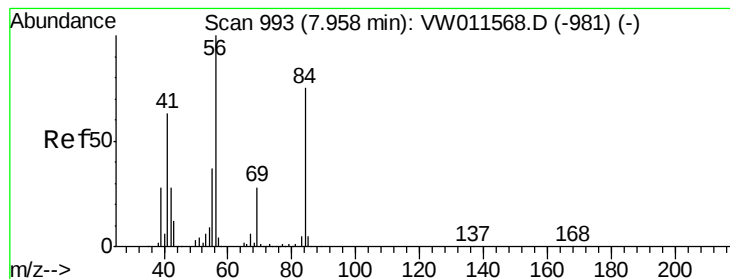
Tgt Ion: 83 Resp: 276077
Ion Ratio Lower Upper
83 100
85 65.8 45.4 84.2



#27
1,2-Dichloroethane
Concen: 26.315 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW011572.D
Acq: 30 Jul 2019 12:23

Tgt Ion: 62 Resp: 204690
Ion Ratio Lower Upper
62 100
98 8.4 7.2 10.8





#30

Cyclohexane

Concen: 27.952 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

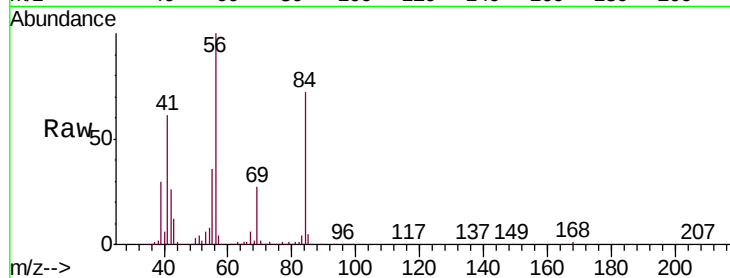
Tgt Ion: 56 Resp: 330272

Ion Ratio Lower Upper

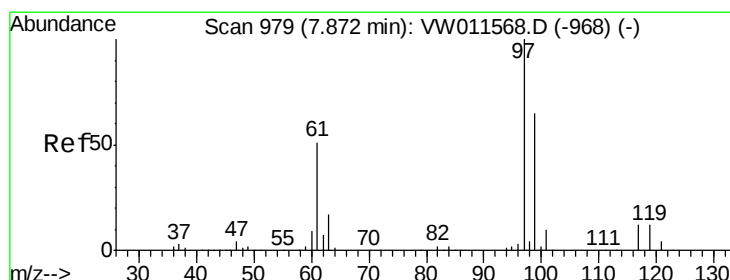
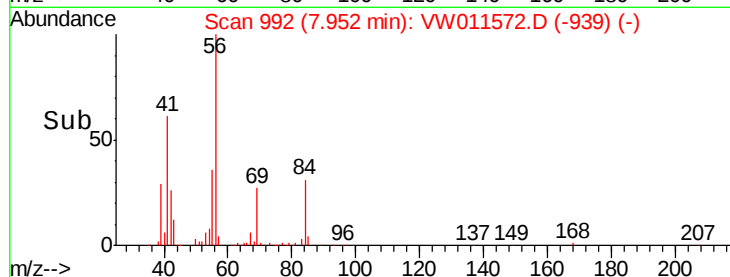
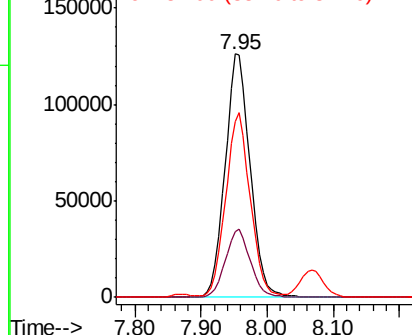
56 100

69 27.8 22.4 33.6

84 74.3 60.6 91.0



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



#31

1,1,1-Trichloroethane

Concen: 26.935 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

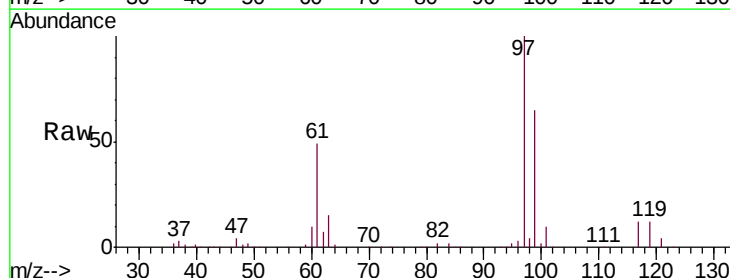
Tgt Ion: 97 Resp: 223092

Ion Ratio Lower Upper

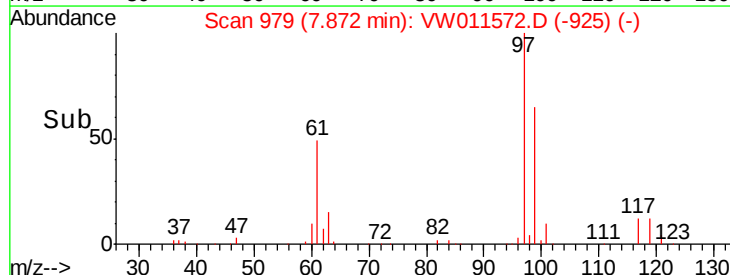
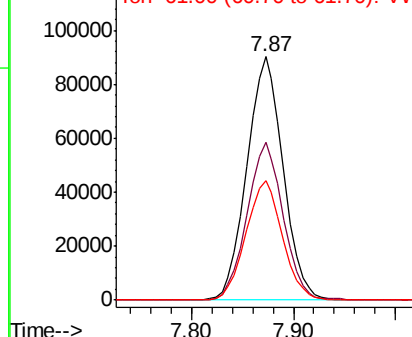
97 100

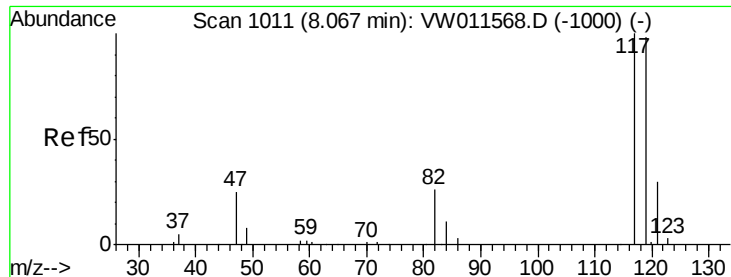
99 64.8 52.1 78.1

61 49.4 40.3 60.5



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: 27.229 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

Instrument :

MSVOA_W

ClientSampleId :

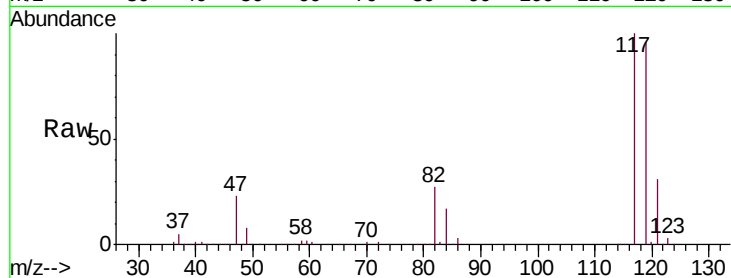
VSTD02523

Tgt Ion:117 Resp: 212165

Ion Ratio Lower Upper

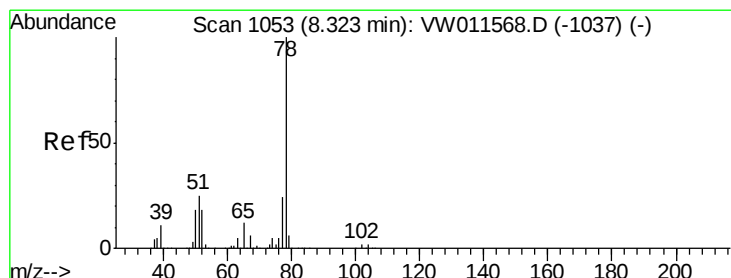
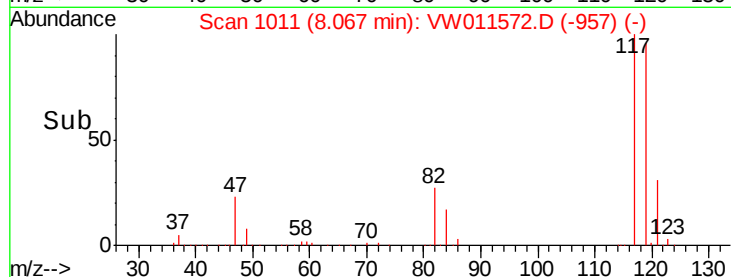
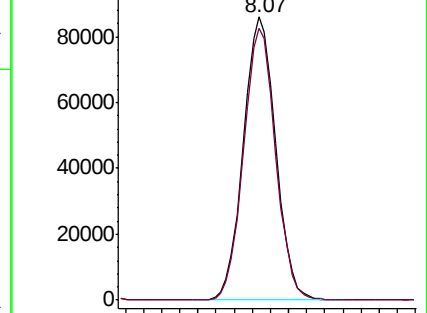
117 100

119 95.0 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.893 ug/L

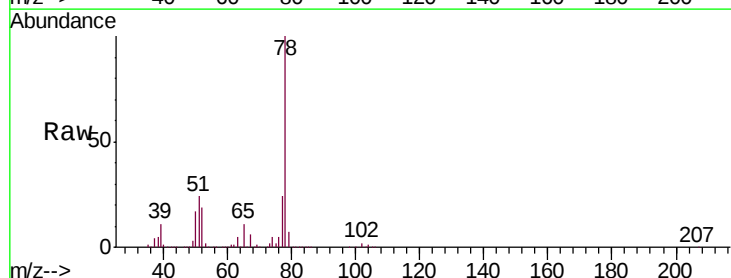
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

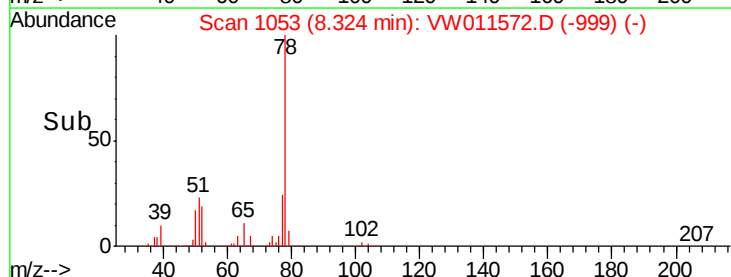
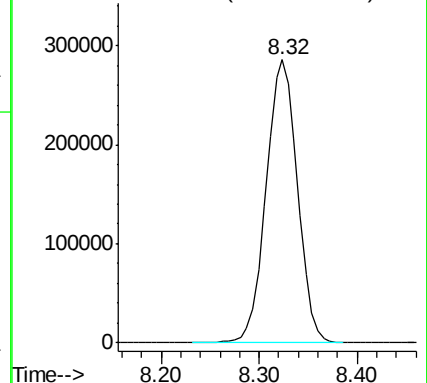
Lab File: VW011572.D

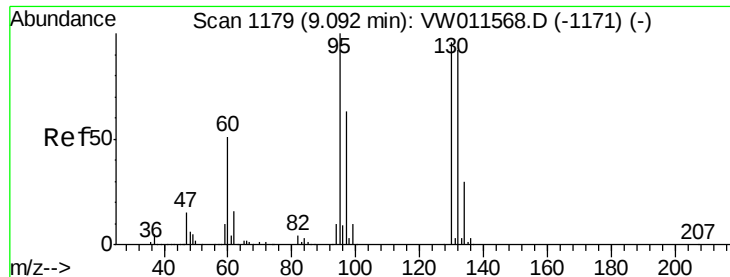
Acq: 30 Jul 2019 12:23

Tgt Ion: 78 Resp: 640606



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.868 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

Tgt Ion: 95 Resp: 162475

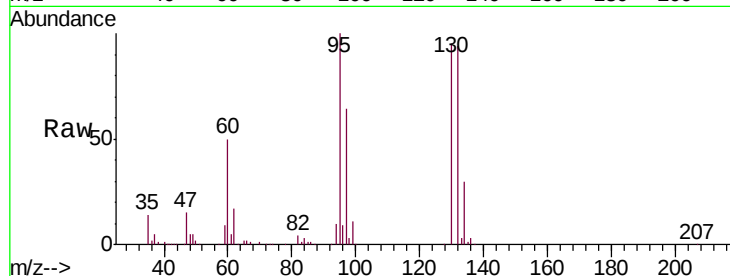
Ion Ratio Lower Upper

95 100

97 63.8 44.8 83.2

132 93.2 65.0 120.6

130 95.7 68.0 126.4



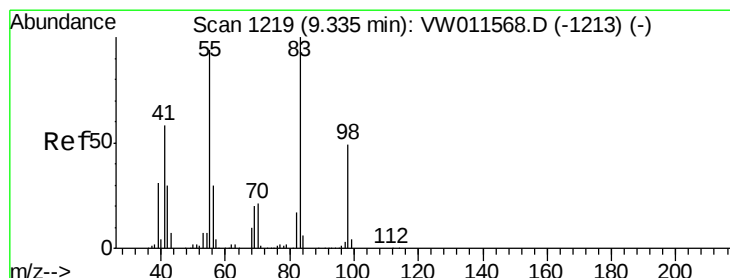
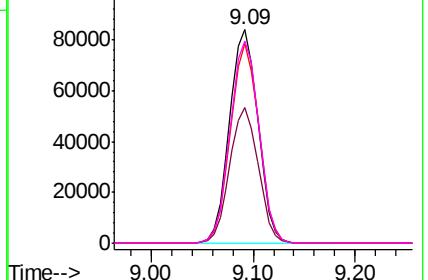
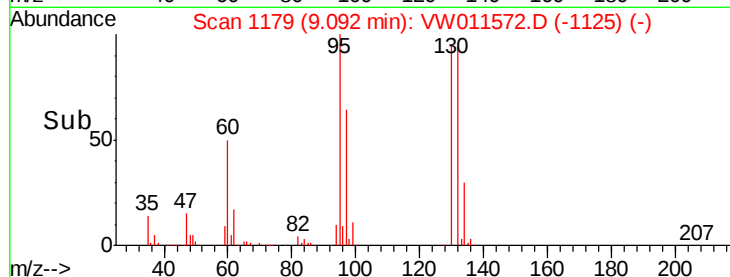
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 27.218 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

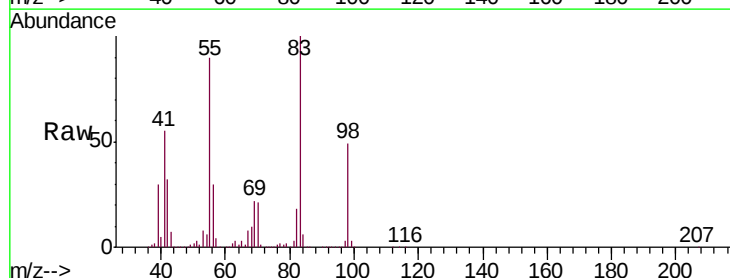
Tgt Ion: 83 Resp: 298594

Ion Ratio Lower Upper

83 100

55 90.5 72.6 108.8

98 47.2 37.8 56.6

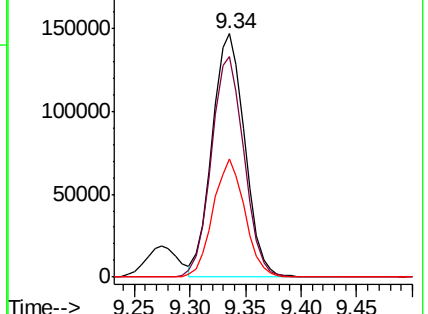
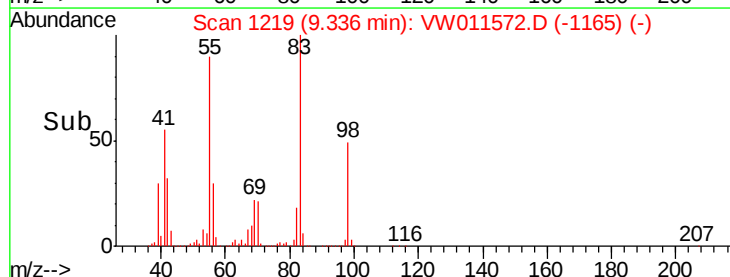


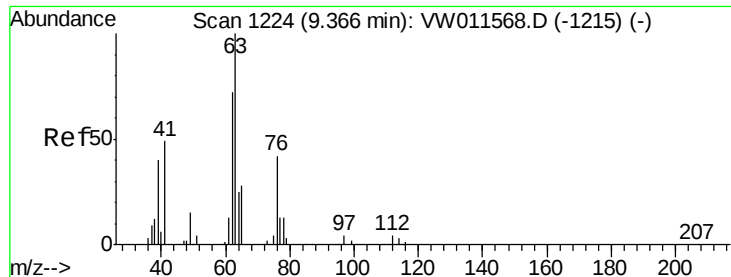
Abundance

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

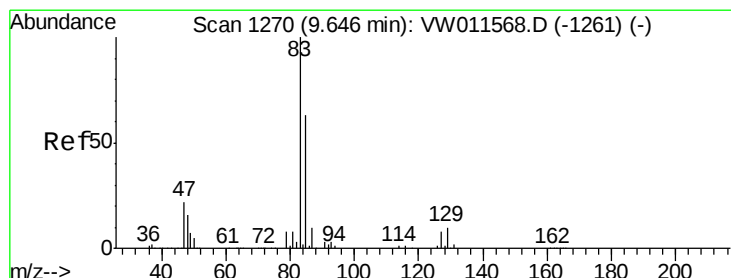
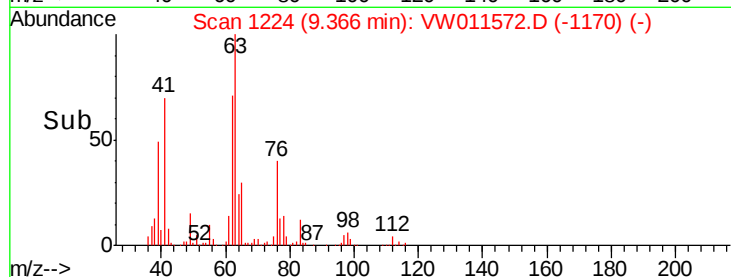
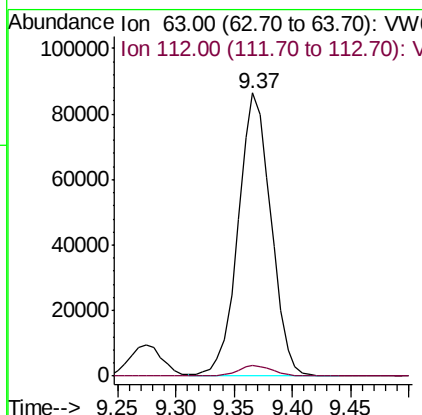
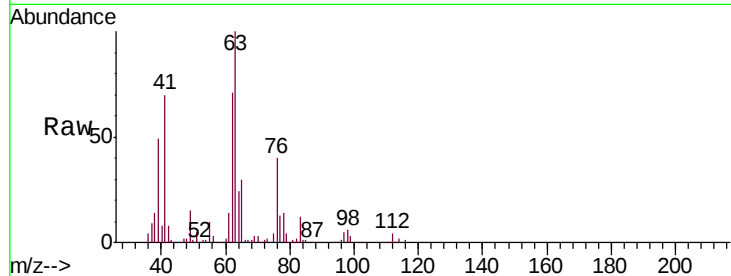




#40
 1,2-Dichloropropane
 Concen: 26.760 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011572.D
 Acq: 30 Jul 2019 12:23

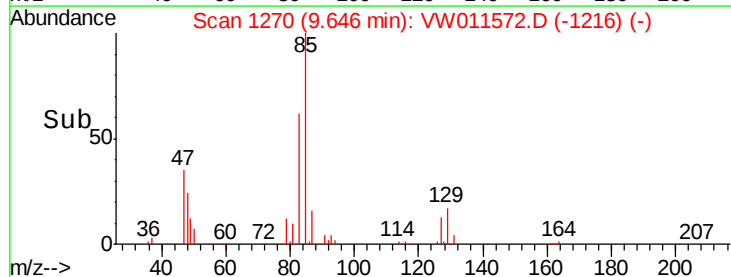
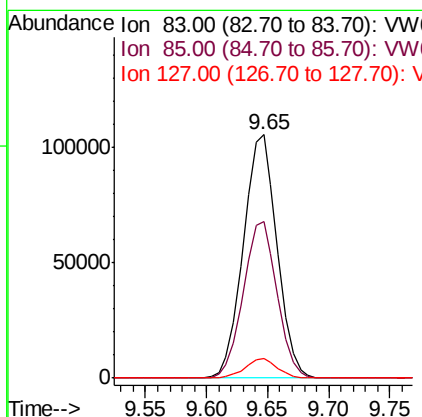
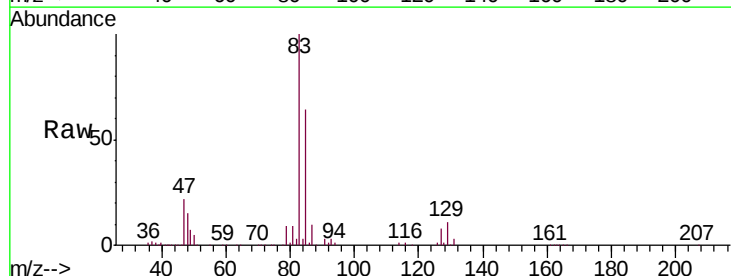
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

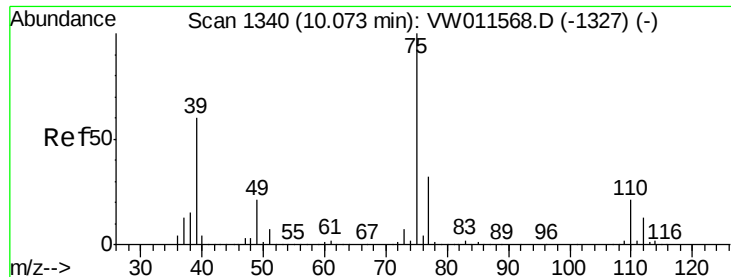
Tgt Ion: 63 Resp: 170151
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.1 4.7



#41
 Bromodichloromethane
 Concen: 26.851 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW011572.D
 Acq: 30 Jul 2019 12:23

Tgt Ion: 83 Resp: 201464
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.0 81.6
 127 8.2 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 27.561 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

Instrument :

MSVOA_W

ClientSampleId :

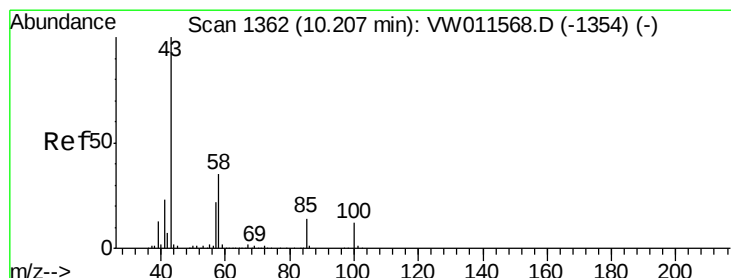
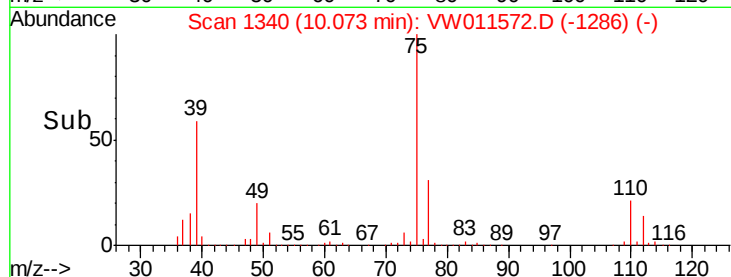
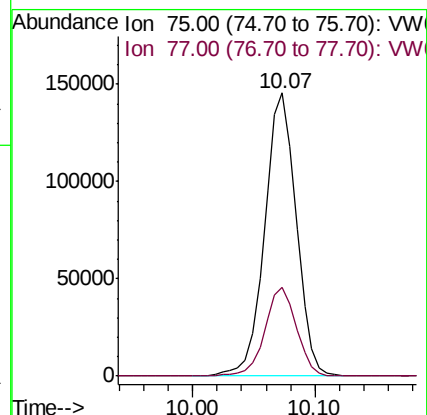
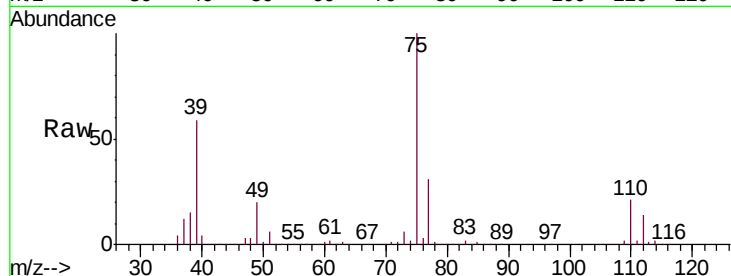
VSTD02523

Tgt Ion: 75 Resp: 262121

Ion Ratio Lower Upper

75 100

77 31.4 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 52.900 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

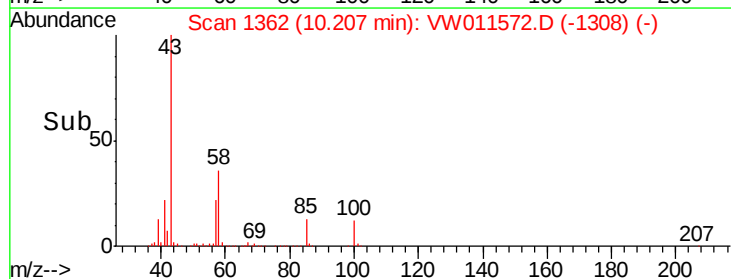
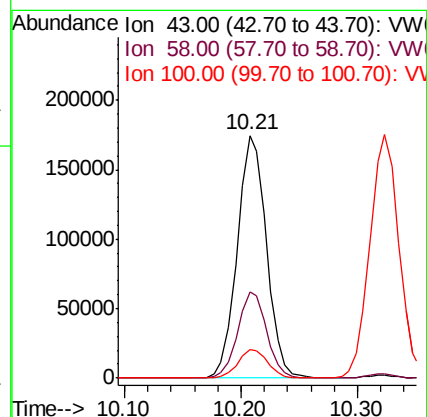
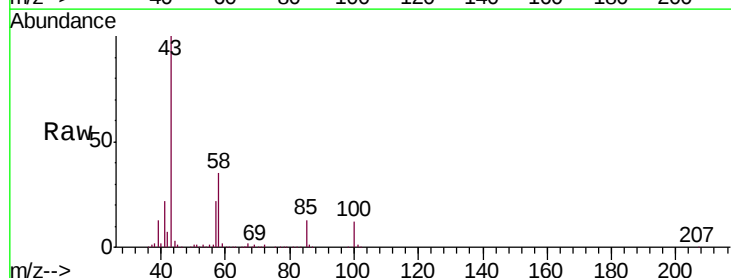
Tgt Ion: 43 Resp: 304752

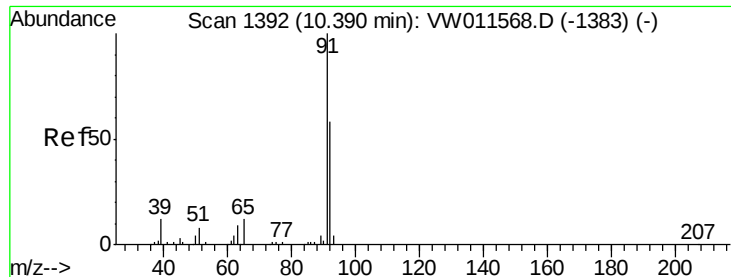
Ion Ratio Lower Upper

43 100

58 35.4 28.0 42.0

100 12.0 9.4 14.2





#44

Toluene

Concen: 27.375 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

Instrument :

MSVOA_W

ClientSampleId :

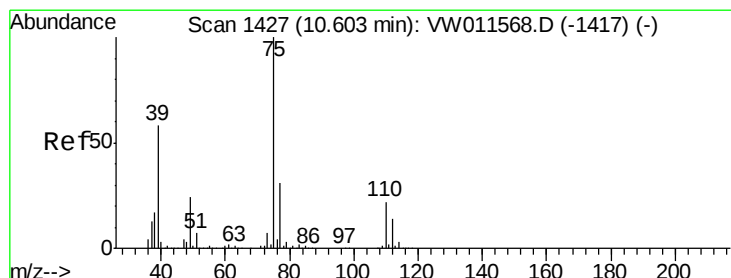
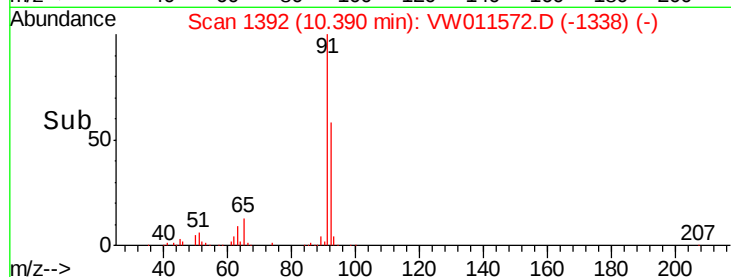
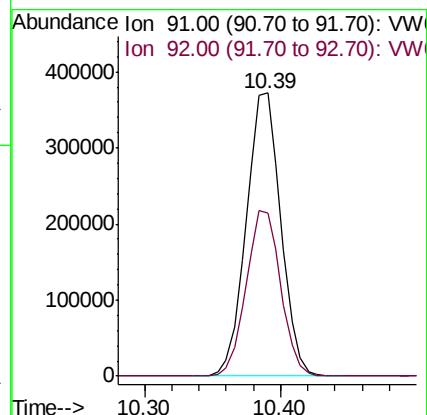
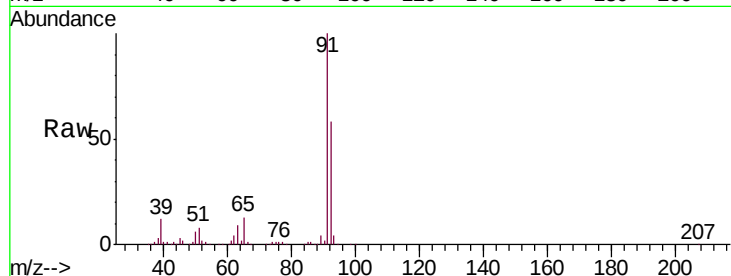
VSTD02523

Tgt Ion: 91 Resp: 662484

Ion Ratio Lower Upper

91 100

92 57.7 40.9 76.0



#45

trans-1,3-Dichloropropene

Concen: 27.273 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011572.D

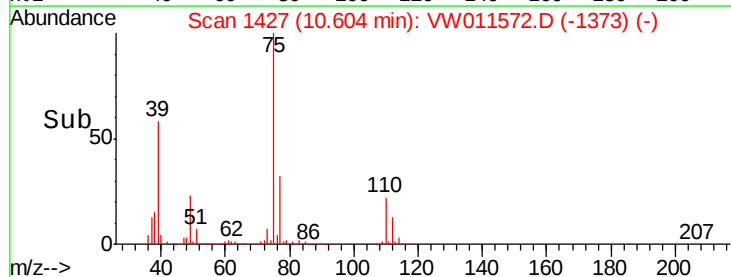
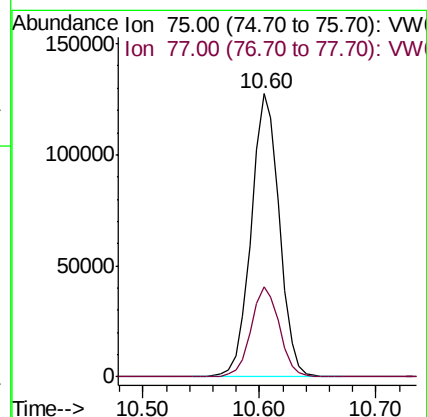
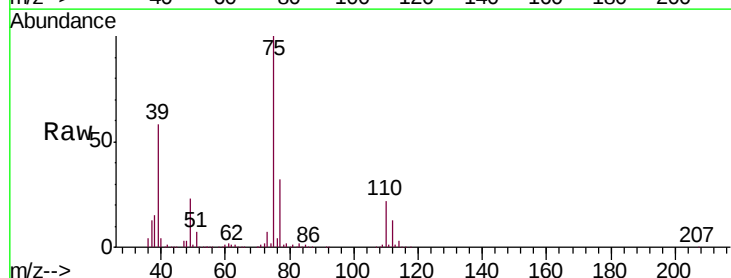
Acq: 30 Jul 2019 12:23

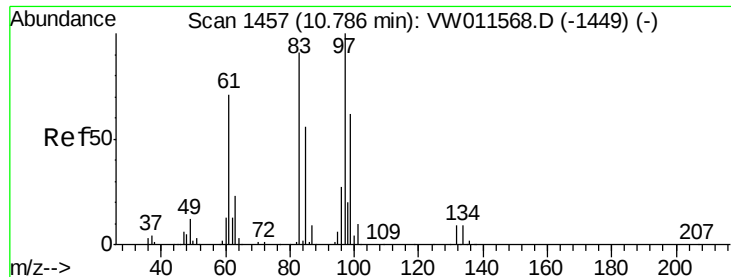
Tgt Ion: 75 Resp: 215805

Ion Ratio Lower Upper

75 100

77 32.1 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 26.360 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

Tgt Ion: 97 Resp: 114273

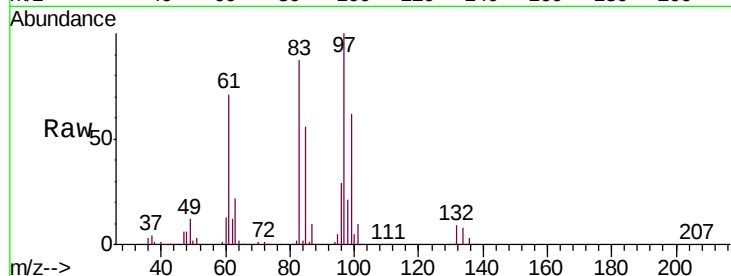
Ion Ratio Lower Upper

97 100

83 87.0 63.8 118.6

85 56.2 39.3 72.9

99 61.7 43.5 80.7



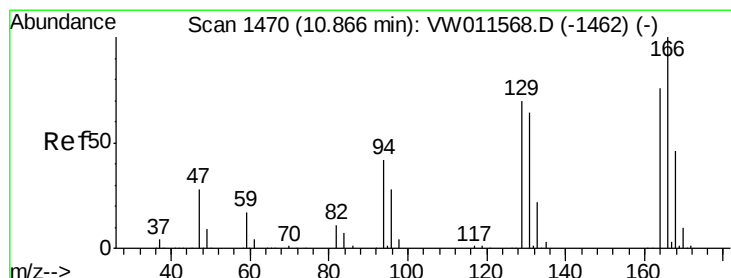
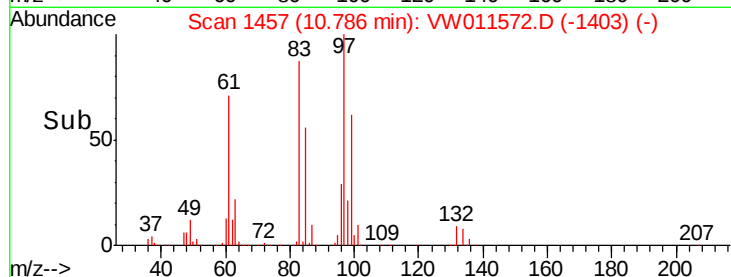
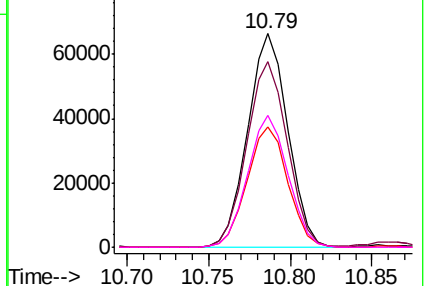
Abundance

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: 27.152 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

Tgt Ion: 164 Resp: 125416

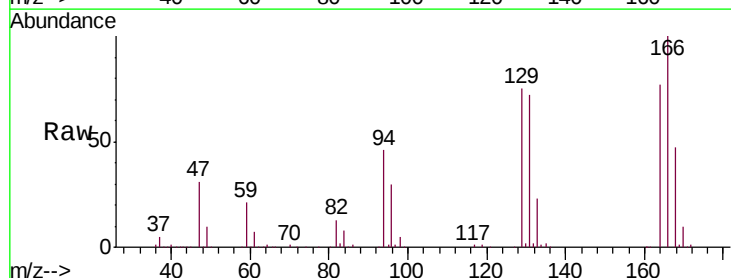
Ion Ratio Lower Upper

164 100

129 97.6 64.0 119.0

131 93.9 58.6 108.8

166 130.1 91.7 170.3



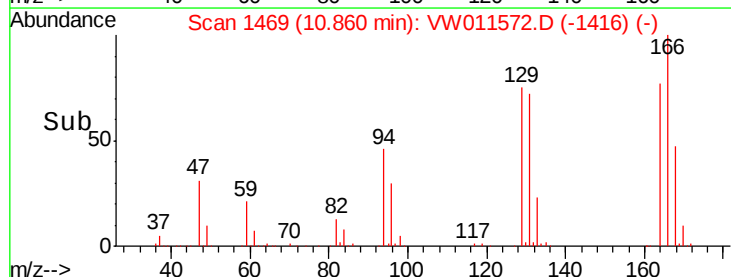
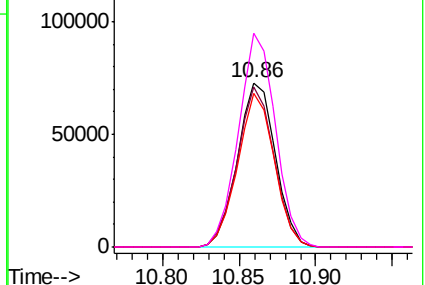
Abundance

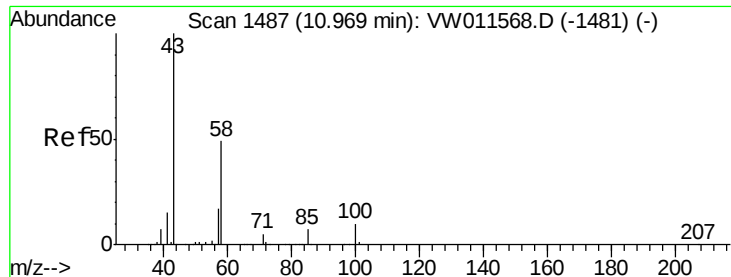
Ion 164.00 (163.70 to 164.70): V

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

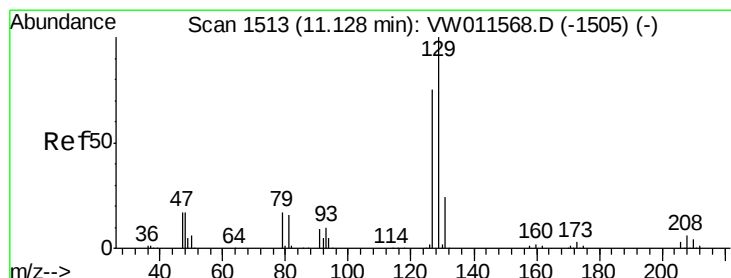
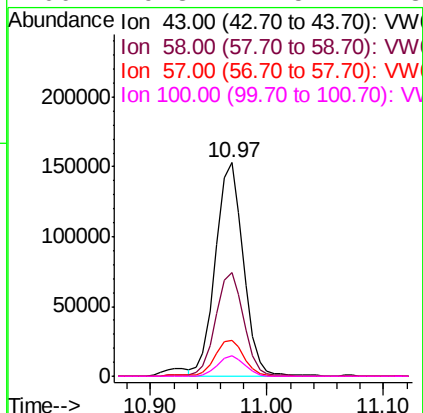
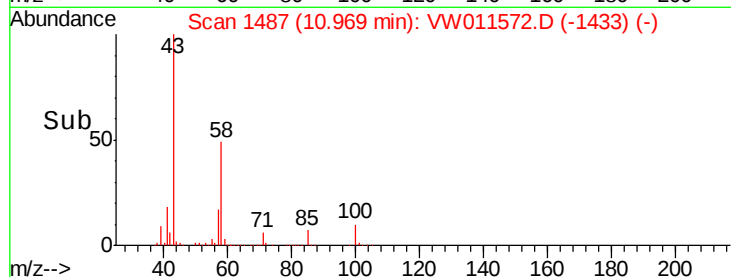
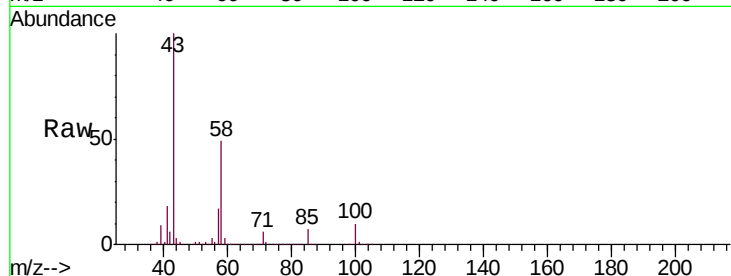




#49
2-Hexanone
Concen: 57.124 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011572.D
Acq: 30 Jul 2019 12:23

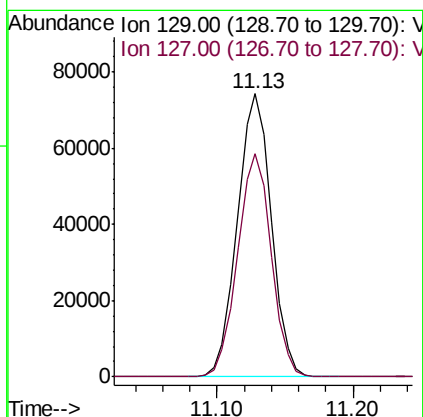
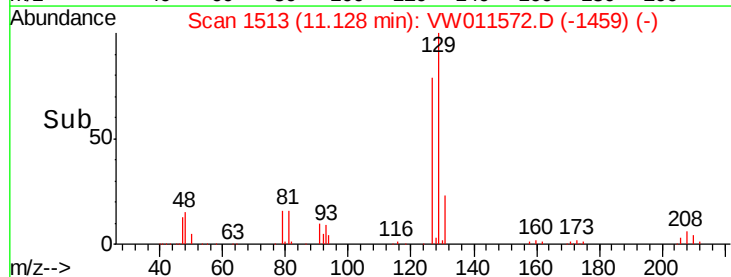
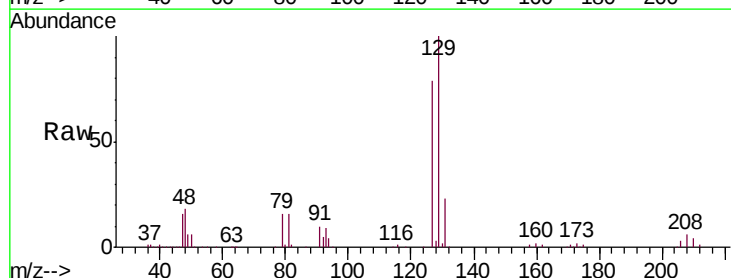
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

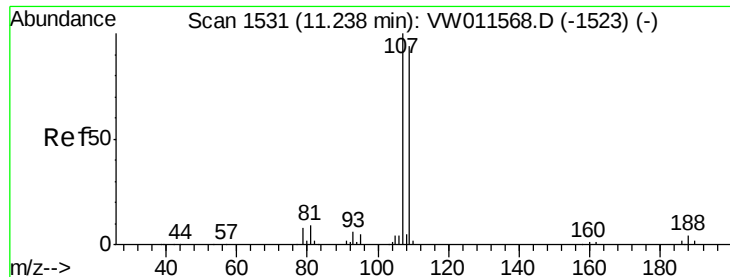
Tgt Ion: 43 Resp: 253544
Ion Ratio Lower Upper
43 100
58 49.4 38.6 57.8
57 17.1 13.0 19.6
100 9.3 7.5 11.3



#50
Dibromochloromethane
Concen: 27.113 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011572.D
Acq: 30 Jul 2019 12:23

Tgt Ion: 129 Resp: 129553
Ion Ratio Lower Upper
129 100
127 79.1 52.6 97.6

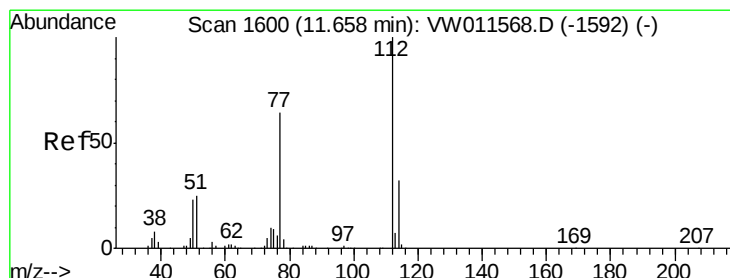
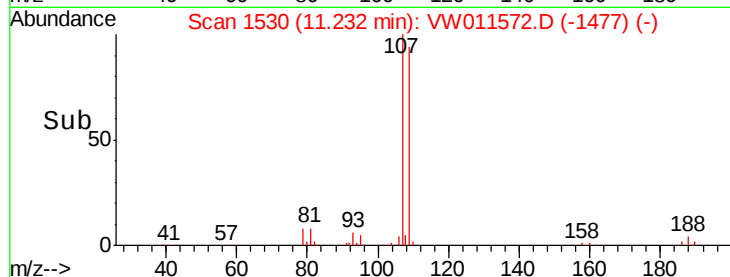
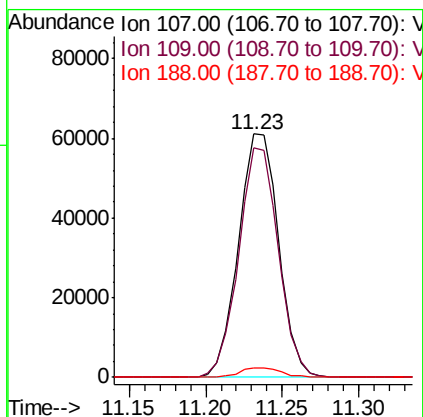
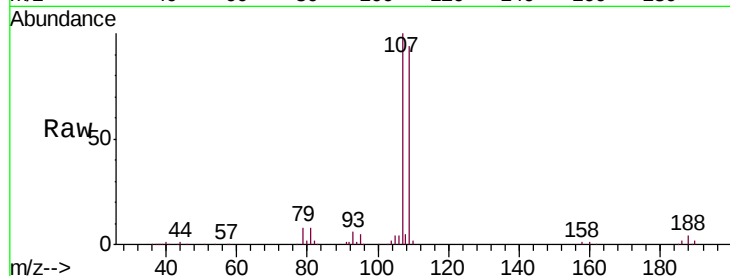




#51
1,2-Dibromoethane
Concen: 26.453 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW011572.D
Acq: 30 Jul 2019 12:23

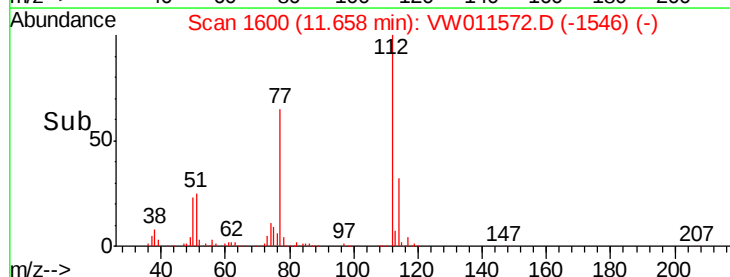
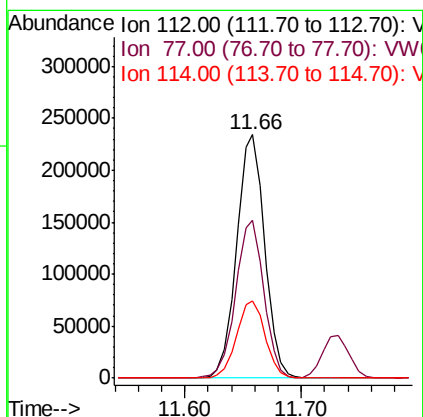
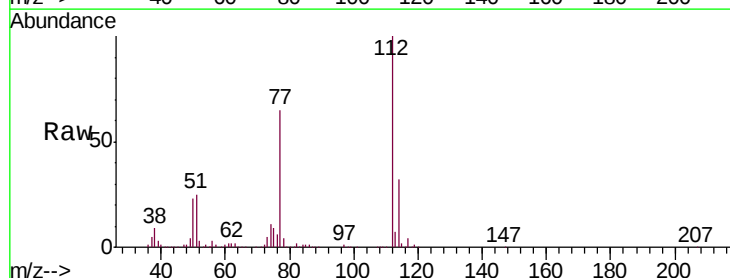
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

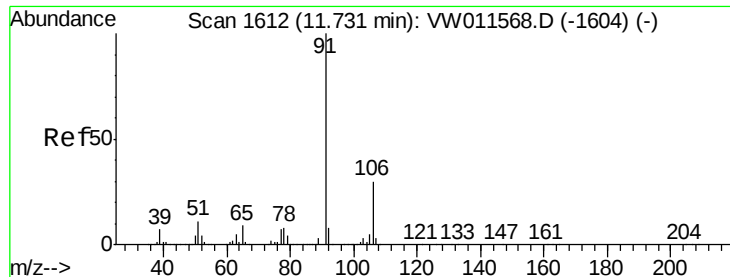
Tgt Ion:107 Resp: 111585
Ion Ratio Lower Upper
107 100
109 94.2 66.1 122.8
188 3.7 2.9 4.3



#52
Chlorobenzene
Concen: 26.835 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011572.D
Acq: 30 Jul 2019 12:23

Tgt Ion:112 Resp: 391818
Ion Ratio Lower Upper
112 100
77 64.7 51.0 76.4
114 31.6 22.4 41.6





#53

Ethylbenzene

Concen: 27.543 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

Instrument :

MSVOA_W

ClientSampled :

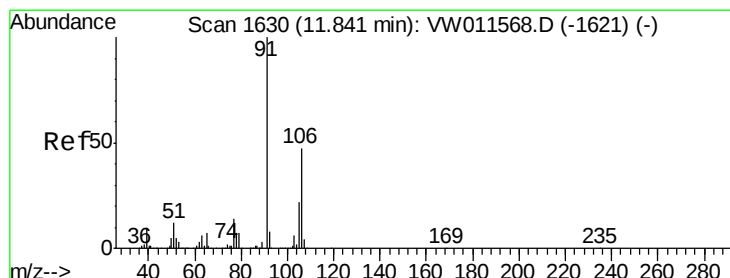
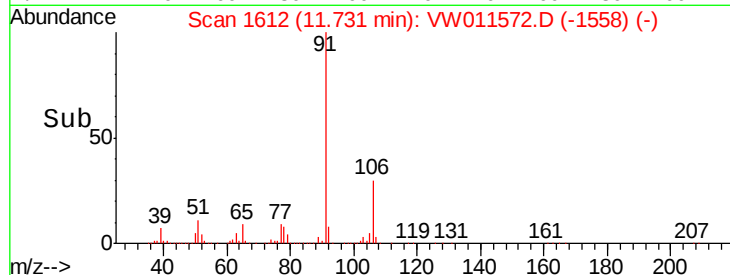
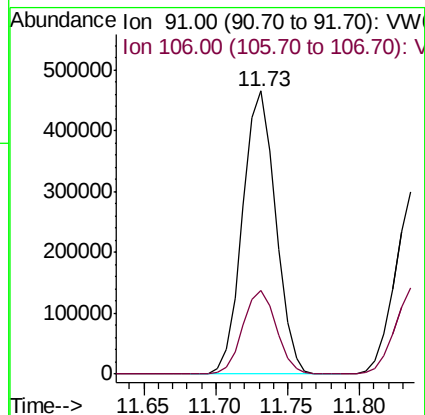
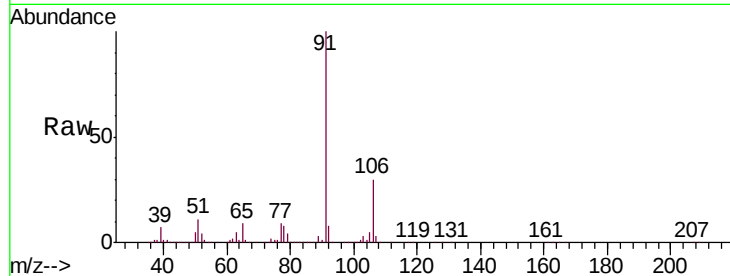
VSTD02523

Tgt Ion: 91 Resp: 743350

Ion Ratio Lower Upper

91 100

106 29.7 20.6 38.4



#54

m,p-Xylene

Concen: 27.627 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW011572.D

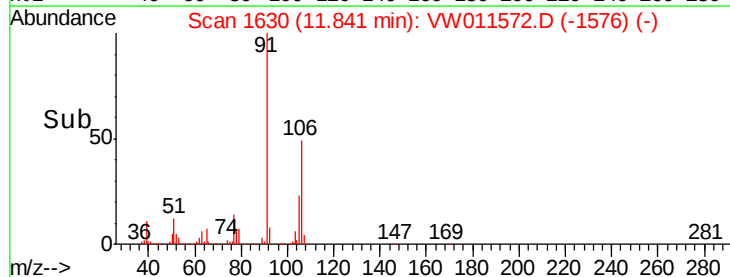
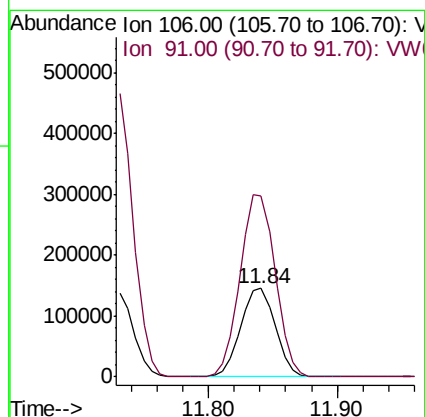
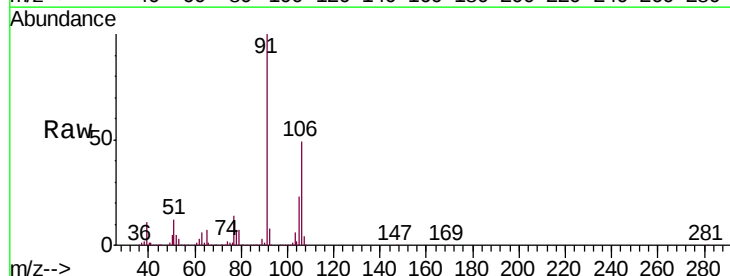
Acq: 30 Jul 2019 12:23

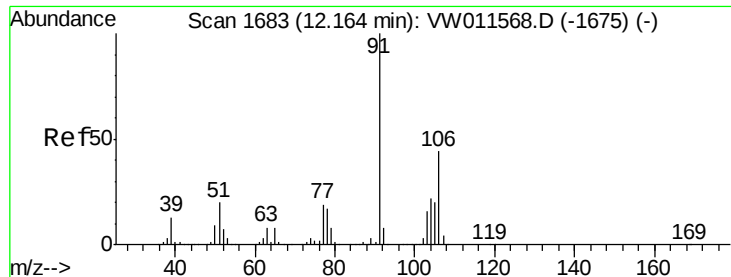
Tgt Ion: 106 Resp: 271121

Ion Ratio Lower Upper

106 100

91 204.7 149.6 277.8





#55

o-xylene

Concen: 27.874 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

Instrument :

MSVOA_W

ClientSampleId :

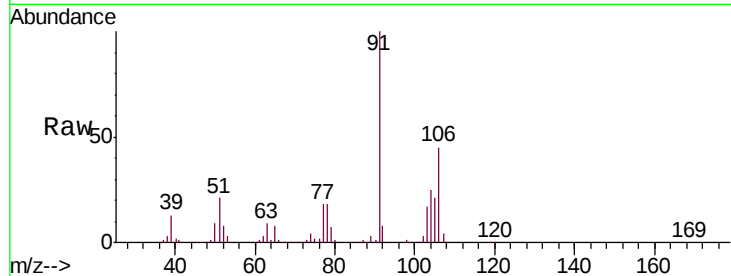
VSTD02523

Tgt Ion:106 Resp: 257442

Ion Ratio Lower Upper

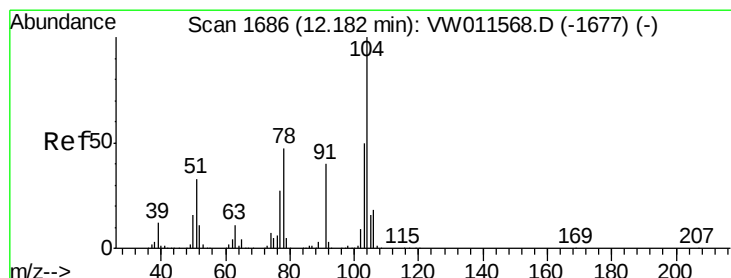
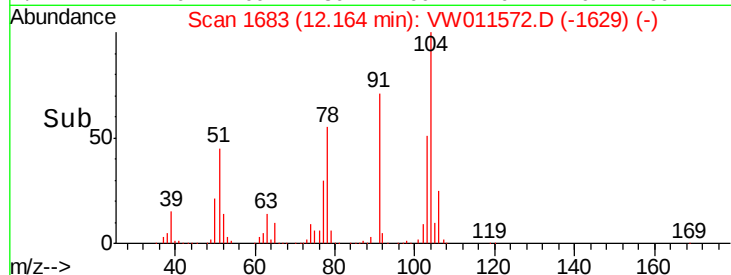
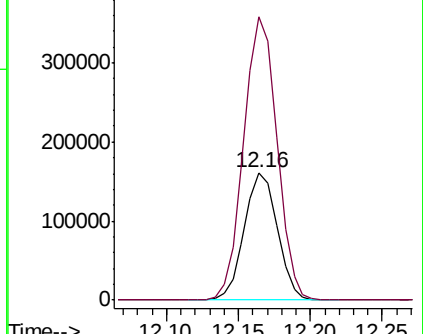
106 100

91 221.9 158.3 293.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.025 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW011572.D

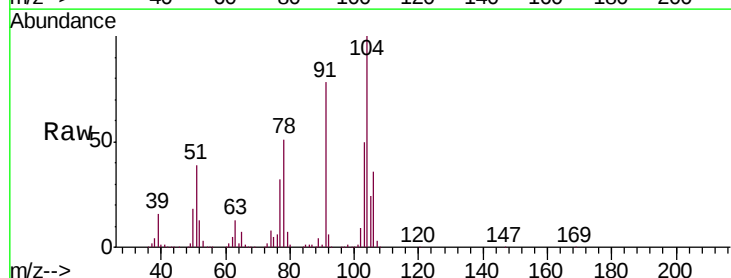
Acq: 30 Jul 2019 12:23

Tgt Ion:104 Resp: 440037

Ion Ratio Lower Upper

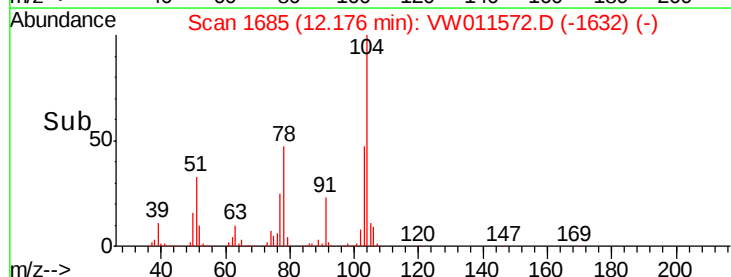
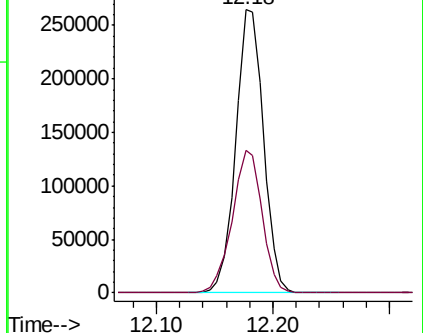
104 100

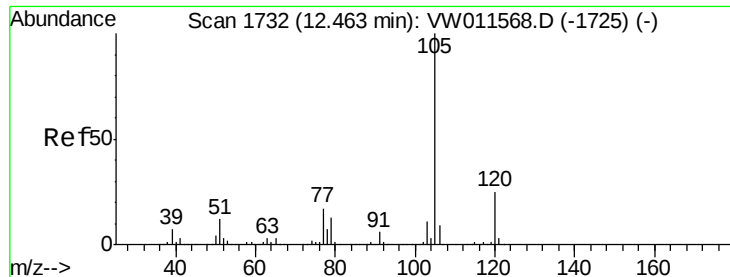
78 50.5 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.917 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

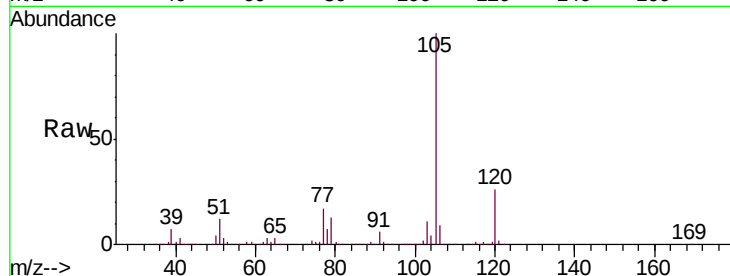
Tgt Ion: 105 Resp: 709334

Ion Ratio Lower Upper

105 100

120 25.5 20.6 30.8

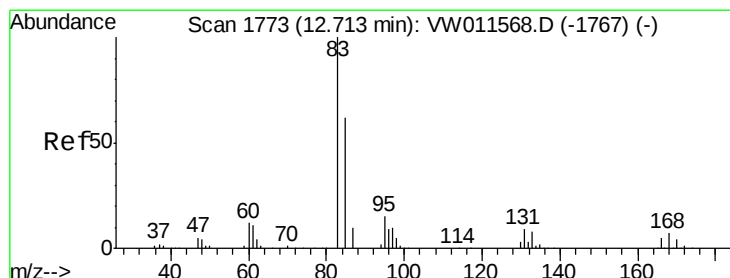
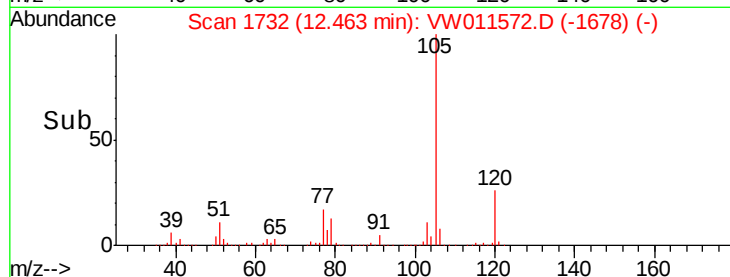
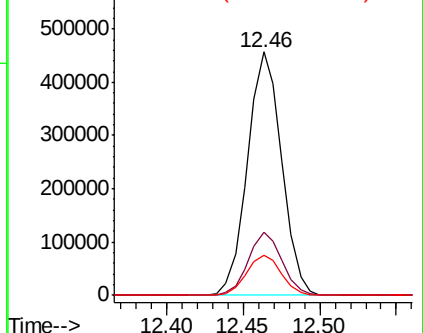
77 16.6 13.4 20.2



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: 26.118 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

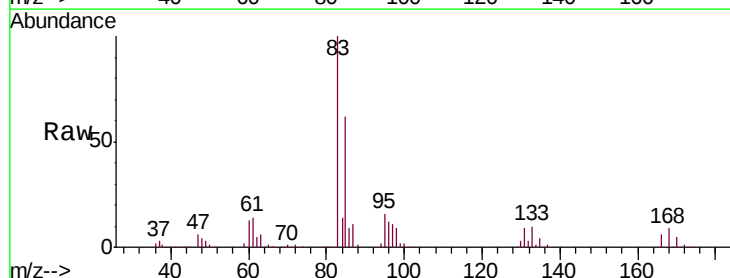
Tgt Ion: 83 Resp: 150458

Ion Ratio Lower Upper

83 100

85 62.0 43.5 80.9

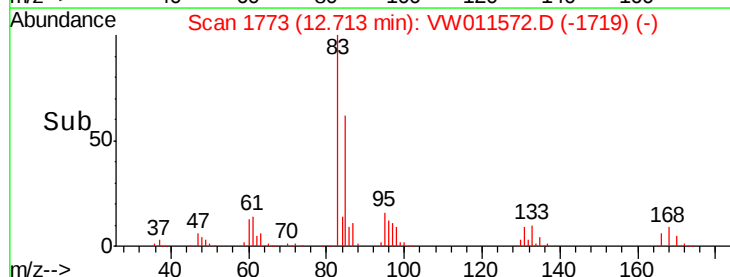
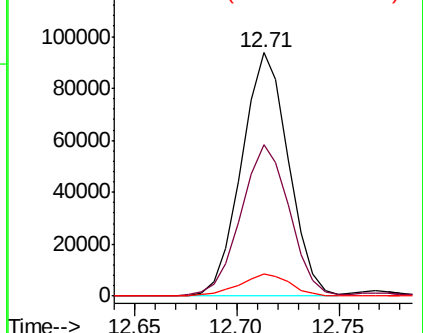
131 9.3 7.5 11.3

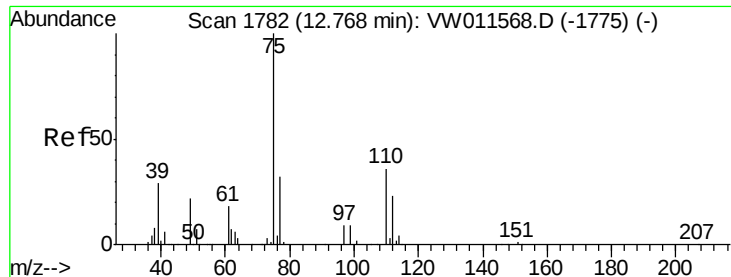


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.836 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

Instrument :

MSVOA_W

ClientSampleId :

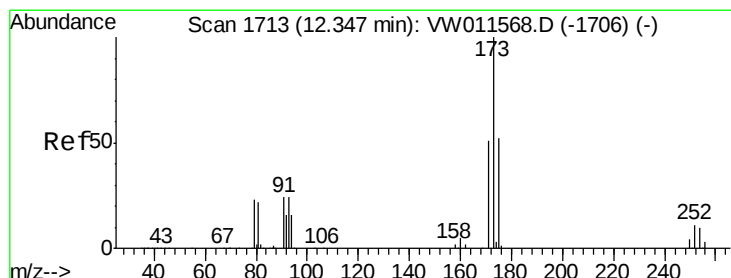
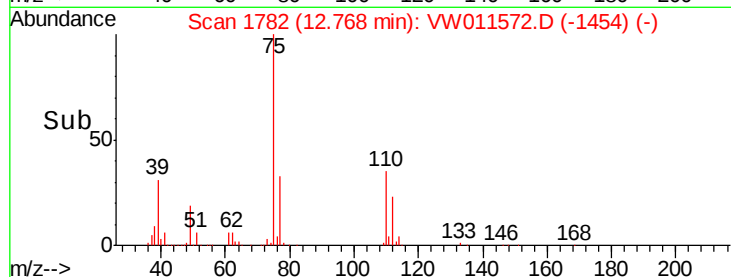
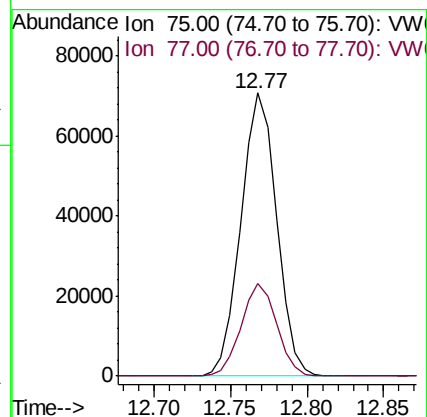
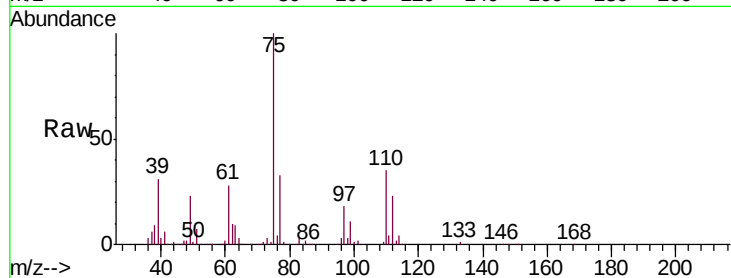
VSTD02523

Tgt Ion: 75 Resp: 114796

Ion Ratio Lower Upper

75 100

77 32.7 25.1 37.7



#62

Bromoform

Concen: 25.844 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

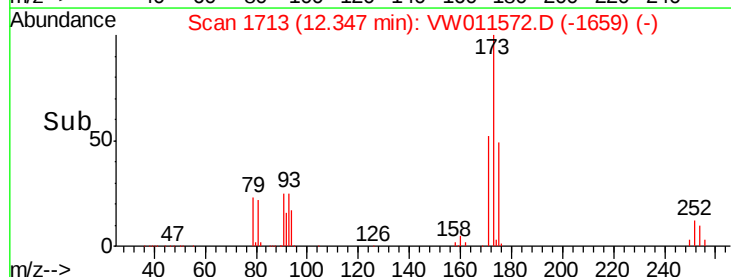
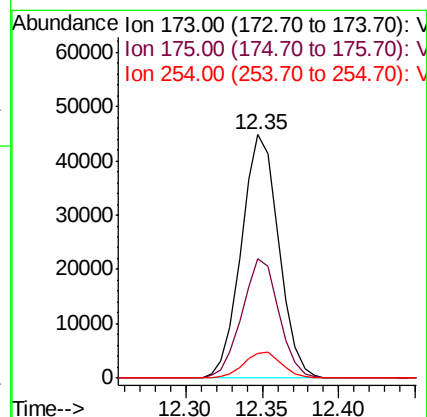
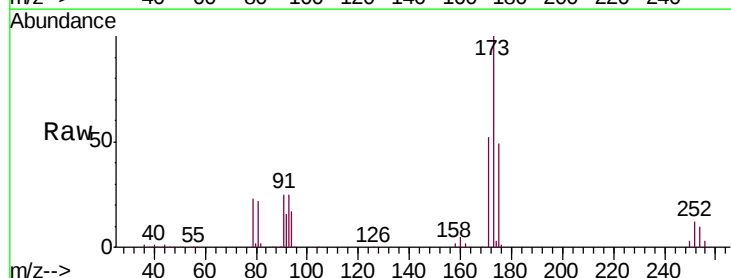
Tgt Ion: 173 Resp: 76207

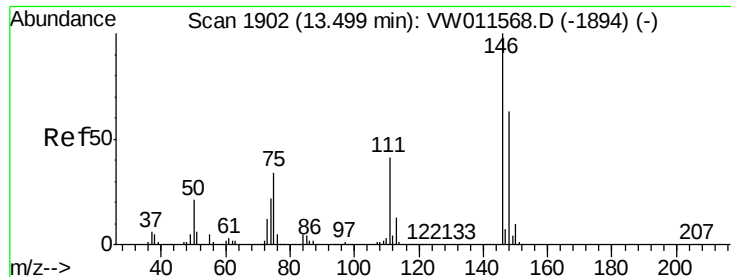
Ion Ratio Lower Upper

173 100

175 48.6 39.4 59.0

254 10.8 9.0 13.6

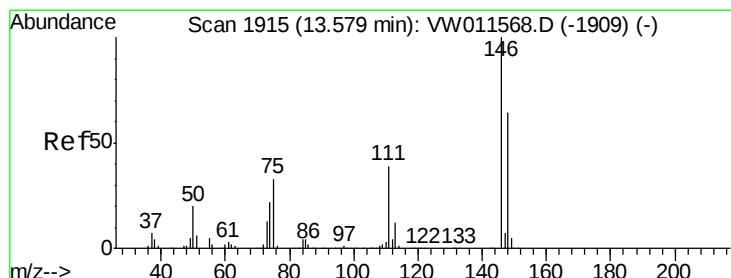
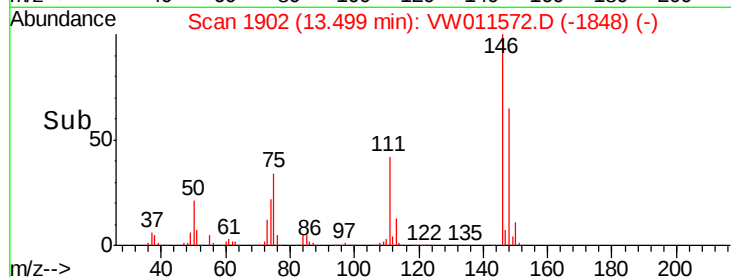
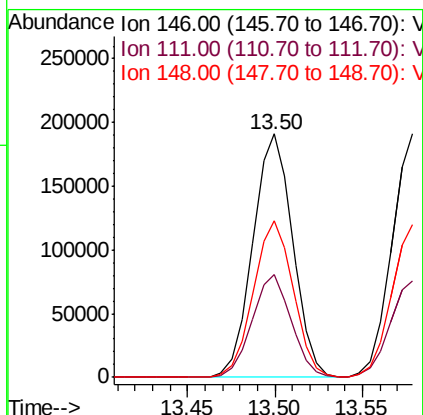
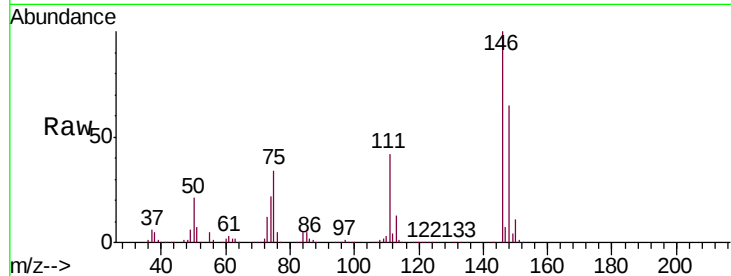




#63
 1,3-Dichlorobenzene
 Concen: 27.030 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011572.D
 Acq: 30 Jul 2019 12:23

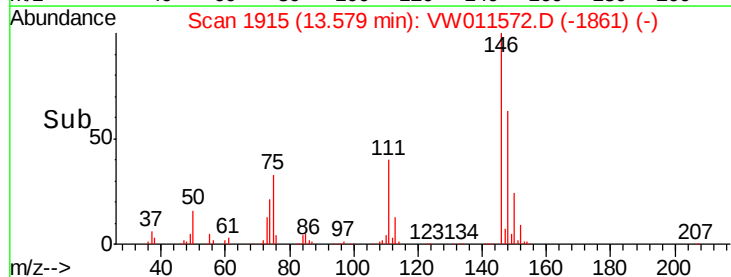
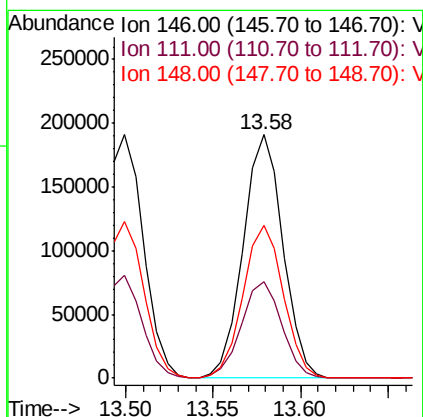
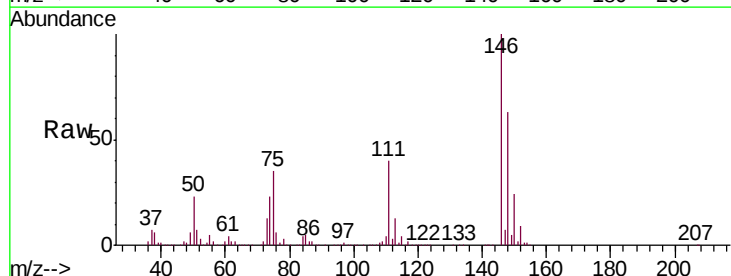
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

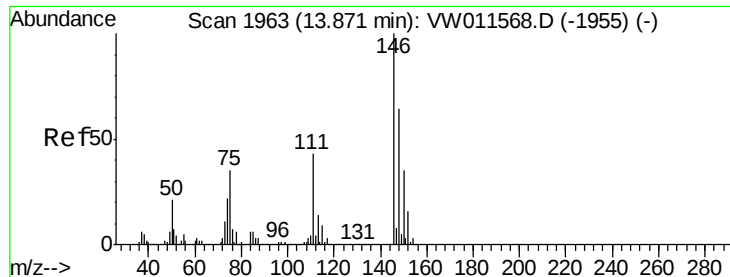
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	28.6	53.2
148	64.5	44.4	82.5



#64
 1,4-Dichlorobenzene
 Concen: 26.857 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011572.D
 Acq: 30 Jul 2019 12:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	27.4	51.0
148	62.8	44.4	82.5

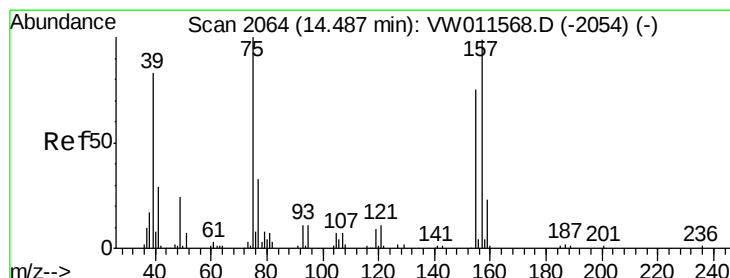
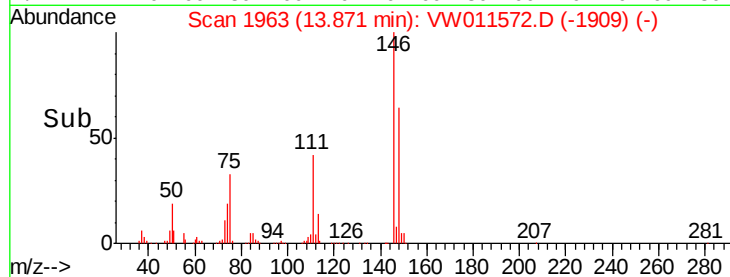
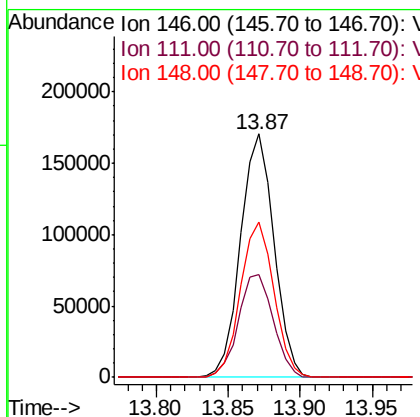
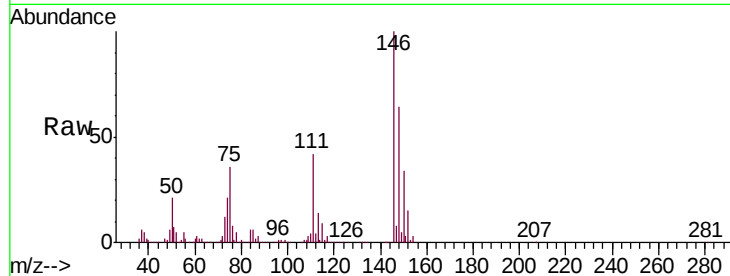




#65
 1,2-Dichlorobenzene
 Concen: 27.072 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011572.D
 Acq: 30 Jul 2019 12:23

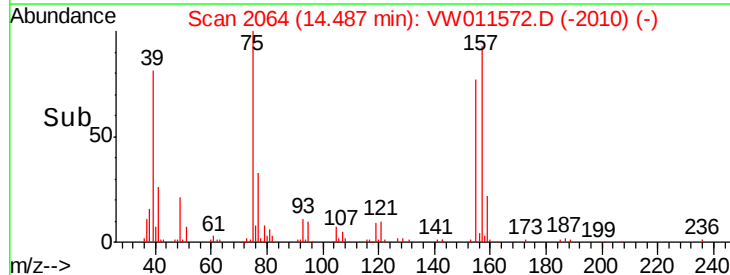
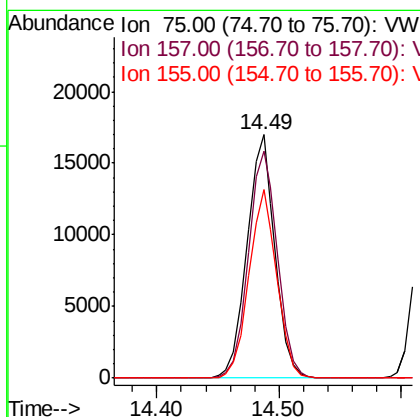
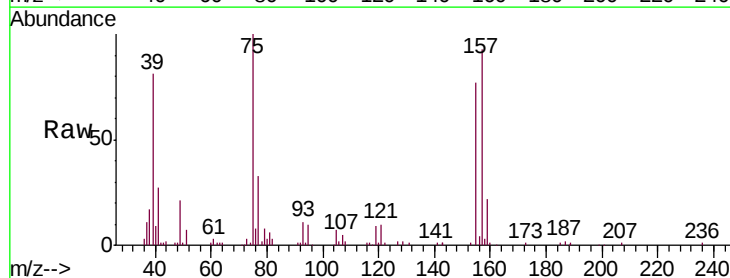
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

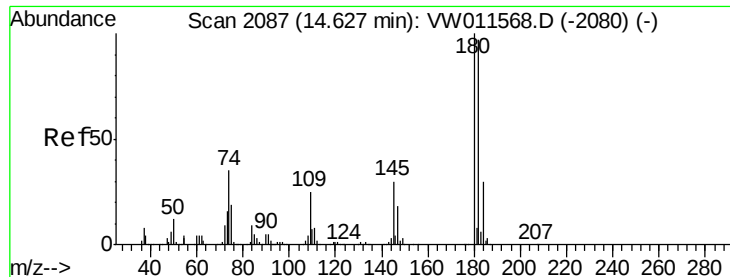
Tgt Ion: 146 Resp: 274220
 Ion Ratio Lower Upper
 146 100
 111 42.4 34.6 51.8
 148 63.9 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.578 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011572.D
 Acq: 30 Jul 2019 12:23

Tgt Ion: 75 Resp: 26815
 Ion Ratio Lower Upper
 75 100
 157 93.5 79.3 118.9
 155 77.3 59.9 89.9

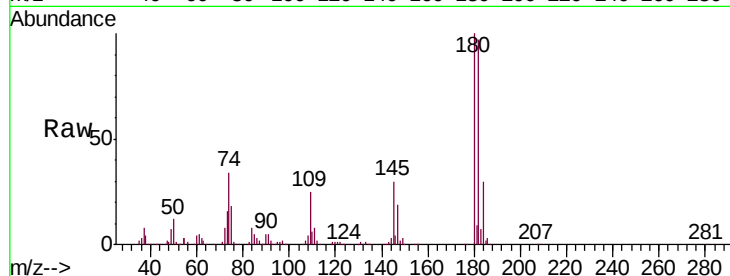




#67
 1,3,5-Trichlorobenzene
 Concen: 27.897 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW011572.D
 Acq: 30 Jul 2019 12:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

Tgt Ion:	180	Resp:	229690
Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.9	113.9
184	30.6	24.2	36.2
145	29.7	23.0	34.6



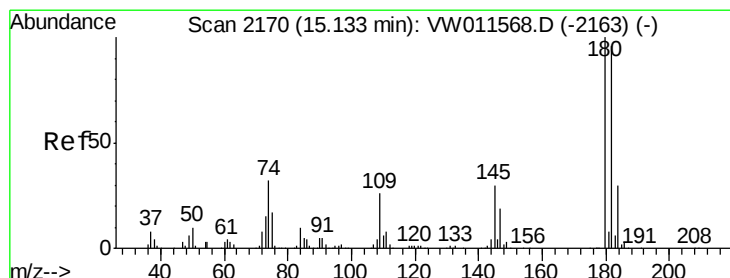
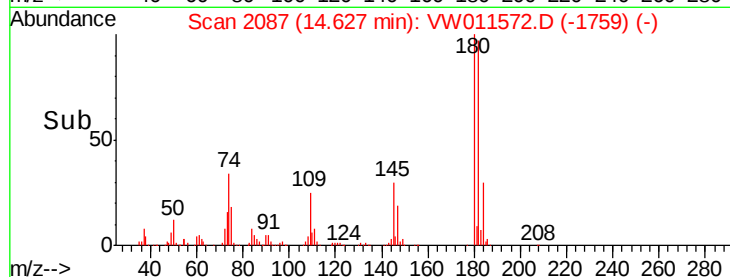
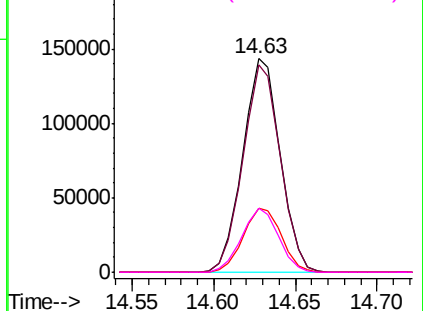
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

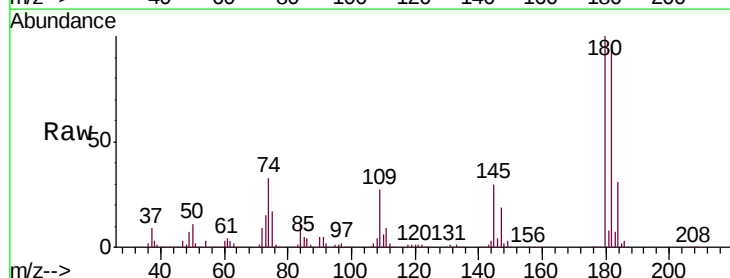
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 29.272 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011572.D
 Acq: 30 Jul 2019 12:23

Tgt Ion:	180	Resp:	194101
Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.3	115.9
145	30.9	24.3	36.5

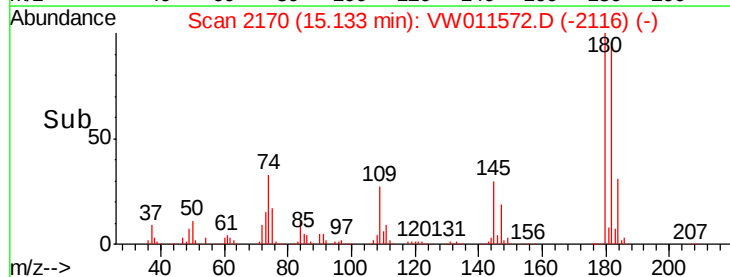
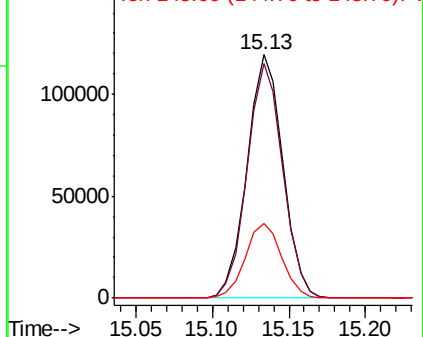


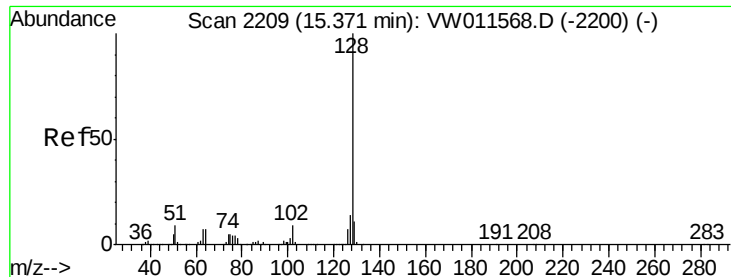
Abundance

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: 29.328 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

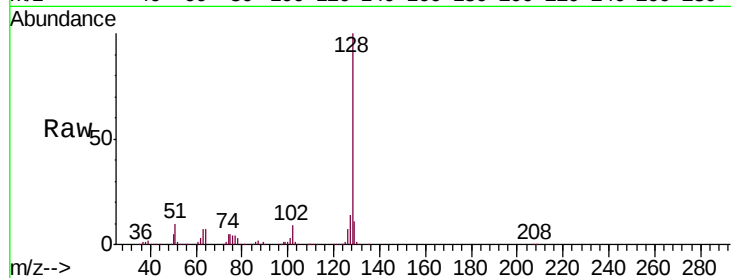
Tgt Ion:128 Resp: 391619

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

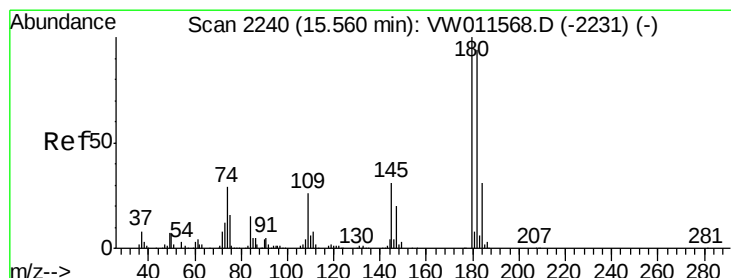
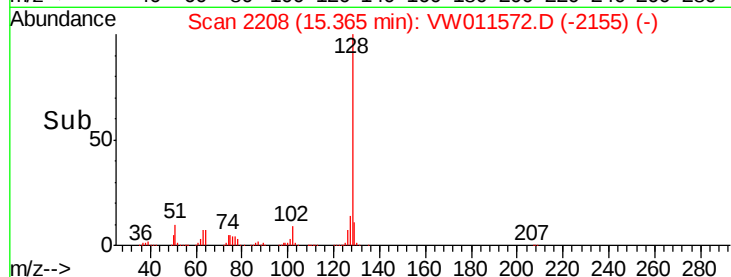
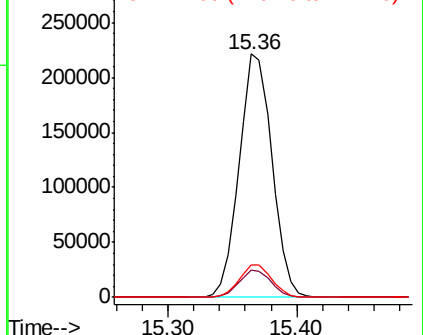
127 13.3 10.6 16.0



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: 29.266 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011572.D

Acq: 30 Jul 2019 12:23

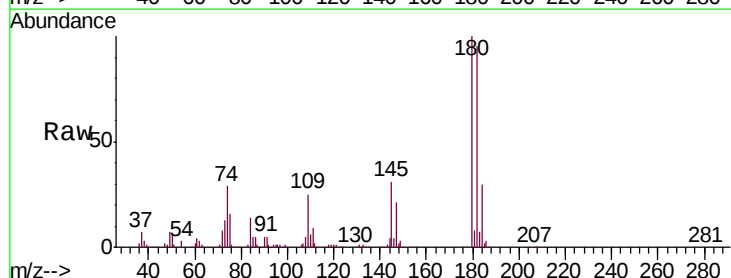
Tgt Ion:180 Resp: 179732

Ion Ratio Lower Upper

180 100

182 94.1 74.9 112.3

145 32.0 25.6 38.4



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

