

Data File : VW013312.D
Acq On : 26 Sep 2019 18:44
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

Quant Time: Sep 27 01:05:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092619S.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 12:57:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	477272	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	426181	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	221933	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	140641	24.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.84%
7) Chloroethane-d5	2.88	69	112693	24.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.68%
10) 1,1-Dichloroethene-d2	4.02	63	282052	25.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.68%
20) 2-Butanone-d5	7.08	46	103058	52.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.80%
24) Chloroform-d	7.65	84	270262	25.11	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.44%
26) 1,2-Dichloroethane-d4	8.31	65	146468	25.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.76%
29) Benzene-d6	8.27	84	578023	24.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.92%
33) 1,2-Dichloropropane-d6	9.27	67	174797	25.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.40%
37) Toluene-d8	10.32	98	547031	25.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.40%
38) trans-1,3-Dichloropropene-	10.58	79	79519	25.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.64%
39) 2-Hexanone-d5	10.92	63	81964	54.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	152822	26.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.40%
61) 1,2-Dichlorobenzene-d4	13.85	152	197018	24.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	91064	30.487	ug/L 94
3) Chloromethane	2.21	50	108829	27.192	ug/L 96
5) Vinyl chloride	2.36	62	152169	27.492	ug/L 98
6) Bromomethane	2.78	94	94854	26.954	ug/L 96
8) Chloroethane	2.92	64	90225	26.870	ug/L 98
9) Trichlorofluoromethane	3.25	101	82136	23.943	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	142957	26.370	ug/L 97
12) 1,1-Dichloroethene	4.04	96	146453	26.619	ug/L 93
13) Acetone	4.12	43	82341	50.295	ug/L 99
14) Carbon disulfide	4.39	76	419941	26.888	ug/L 100
15) Methyl Acetate	4.67	43	85097	26.938	ug/L 98
16) Methylene chloride	4.92	84	162170	22.743	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	254224	26.715	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	153666	26.120	ug/L 99
19) 1,1-Dichloroethane	6.21	63	268409	26.011	ug/L 96
21) 2-Butanone	7.17	43	119587	50.714	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	166972	26.048	ug/L 97

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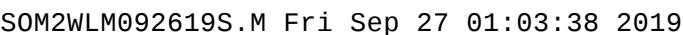
Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

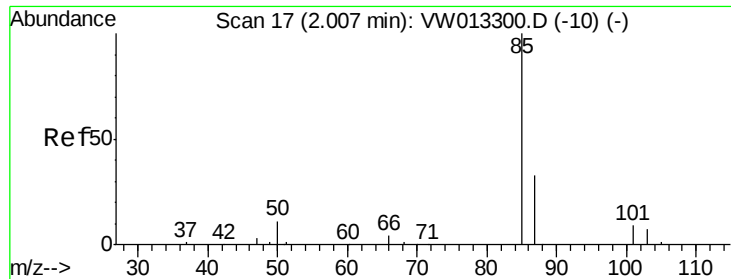
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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	75793	26.276	ug/L	90
25) Chloroform	7.67	83	269325	26.559	ug/L	100
27) 1,2-Dichloroethane	8.40	62	178358	26.857	ug/L	98
30) Cyclohexane	7.95	56	269838	26.363	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	211996	25.917	ug/L	99
32) Carbon tetrachloride	8.07	117	205129	26.301	ug/L	99
34) Benzene	8.32	78	631589	26.434	ug/L	100
35) Trichloroethene	9.09	95	160458	25.563	ug/L	98
36) Methylcyclohexane	9.34	83	293743	26.270	ug/L	99
40) 1,2-Dichloropropane	9.37	63	155815	26.507	ug/L	99
41) Bromodichloromethane	9.64	83	192219	26.651	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	249701	26.593	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	245624	54.582	ug/L	99
44) Toluene	10.38	91	684934	26.330	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	206409	27.349	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	121768	26.438	ug/L	99
47) Tetrachloroethene	10.86	164	144981	25.669	ug/L	97
49) 2-Hexanone	10.97	43	180758	55.881	ug/L	99
50) Dibromochloromethane	11.13	129	141551	26.794	ug/L	99
51) 1,2-Dibromoethane	11.23	107	122037	26.970	ug/L	99
52) Chlorobenzene	11.65	112	429662	26.213	ug/L	99
53) Ethylbenzene	11.73	91	765057	26.532	ug/L	96
54) m,p-Xylene	11.84	106	293537	26.512	ug/L	98
55) o-xylene	12.16	106	277180	26.530	ug/L	97
56) Styrene	12.18	104	486356	27.149	ug/L	98
57) Isopropylbenzene	12.46	105	760209	26.909	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	154786	27.279	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	114420	27.023	ug/L	100
62) Bromoform	12.35	173	90973	25.911	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	352651	25.823	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	353205	25.597	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	323332	26.021	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	24453	24.988	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	273800	26.039	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	226909	27.034	ug/L	100
69) Naphthalene	15.36	128	447267	27.892	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	204860	26.836	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 30.487 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013312.D

Acq: 26 Sep 2019 18:44

Instrument :

MSVOA_W

ClientSampleId :

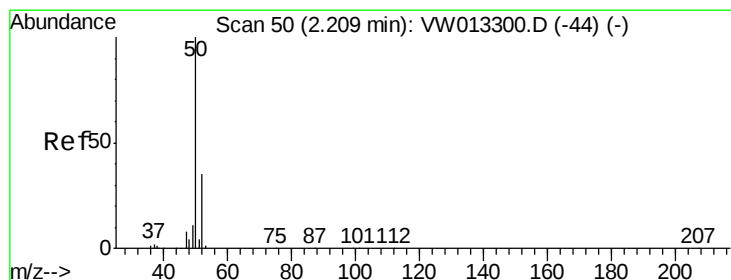
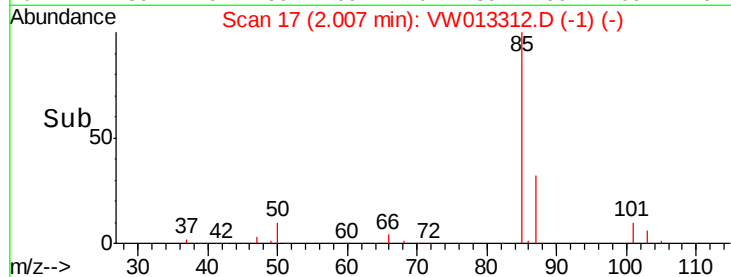
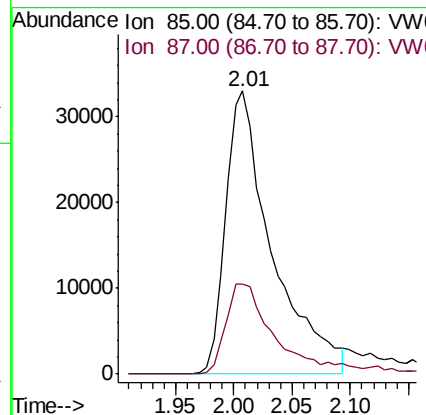
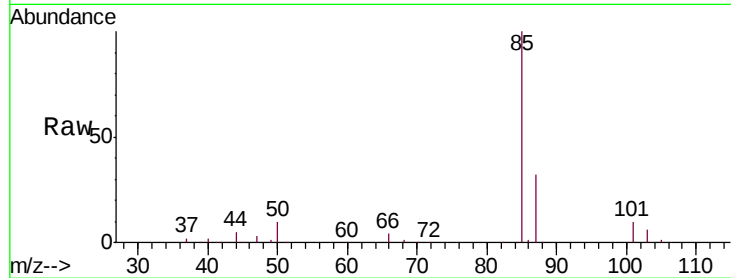
VSTD02507

Tgt Ion: 85 Resp: 91064

Ion Ratio Lower Upper

85 100

87 33.9 21.3 39.6



#3

Chloromethane

Concen: 27.192 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013312.D

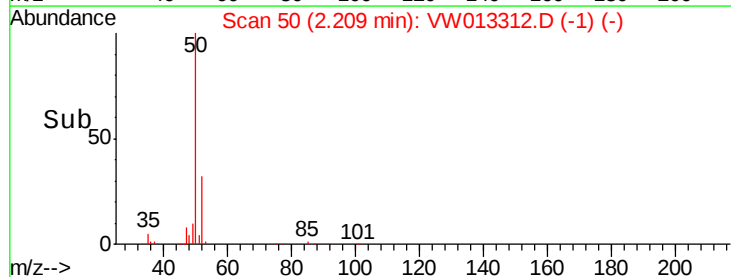
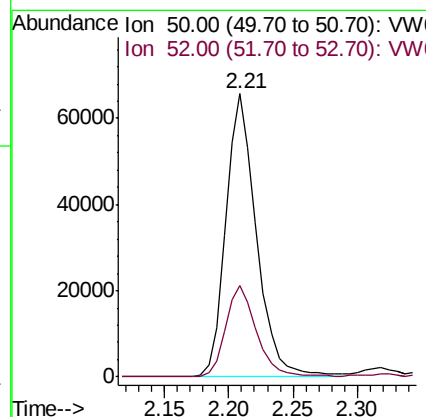
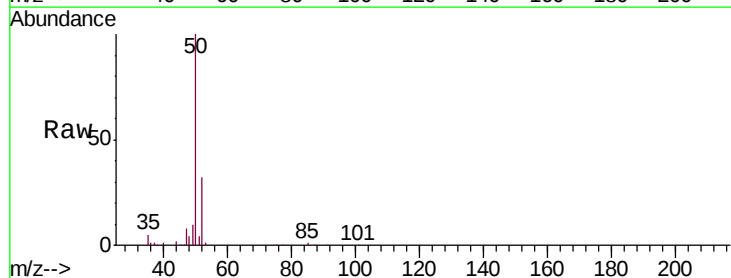
Acq: 26 Sep 2019 18:44

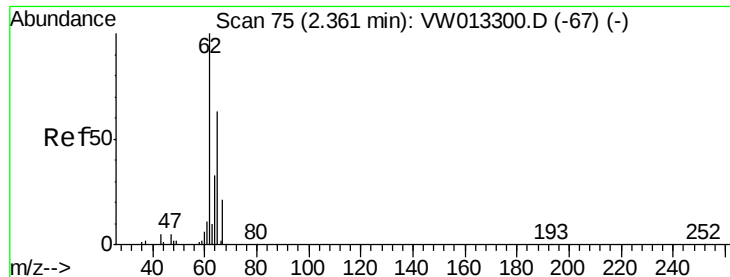
Tgt Ion: 50 Resp: 108829

Ion Ratio Lower Upper

50 100

52 32.4 24.4 45.4





#5

Vinyl chloride

Concen: 27.492 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW013312.D

Acq: 26 Sep 2019 18:44

Instrument :

MSVOA_W

ClientSampleId :

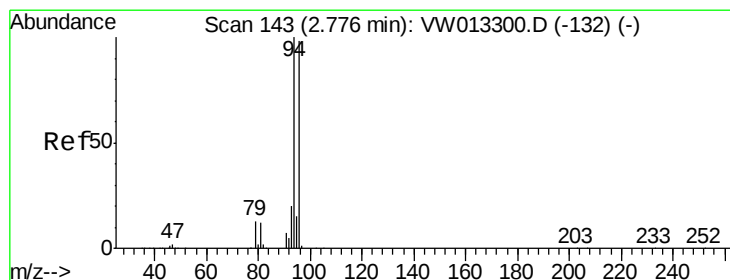
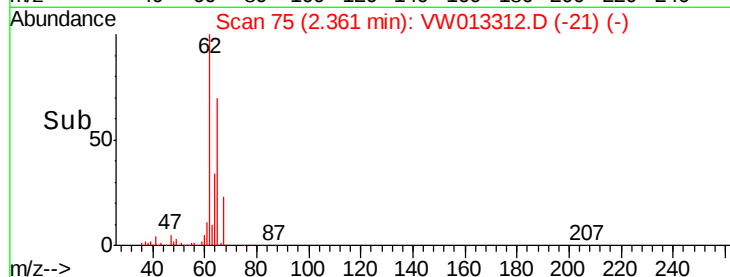
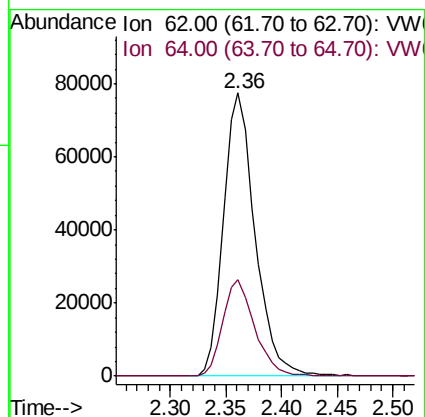
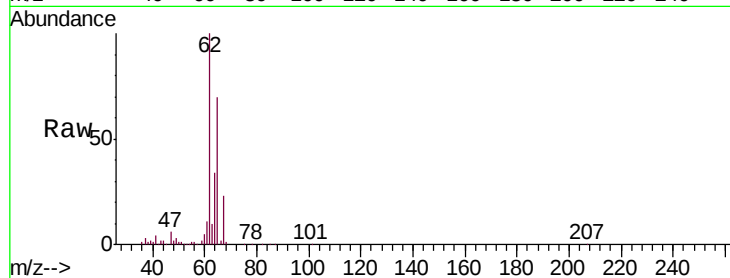
VSTD02507

Tgt Ion: 62 Resp: 152169

Ion Ratio Lower Upper

62 100

64 34.1 23.2 43.0



#6

Bromomethane

Concen: 26.954 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW013312.D

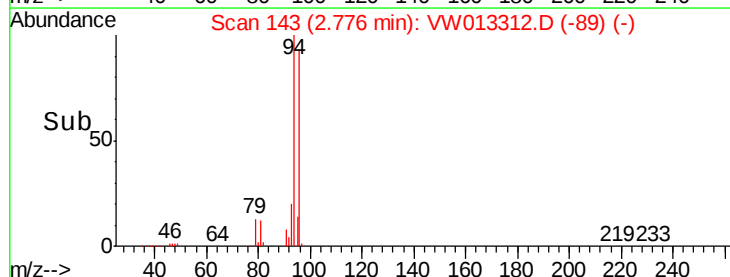
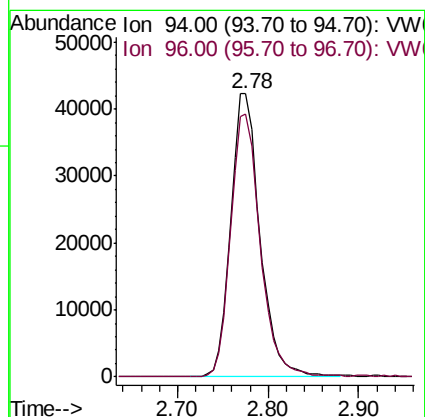
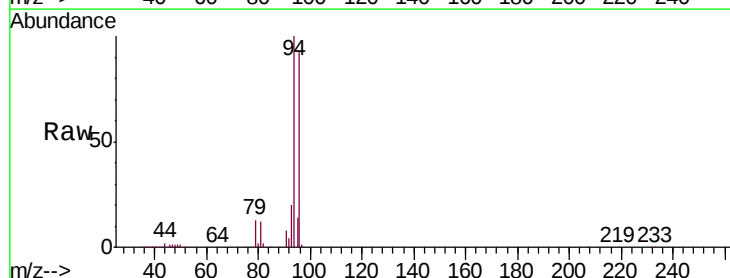
Acq: 26 Sep 2019 18:44

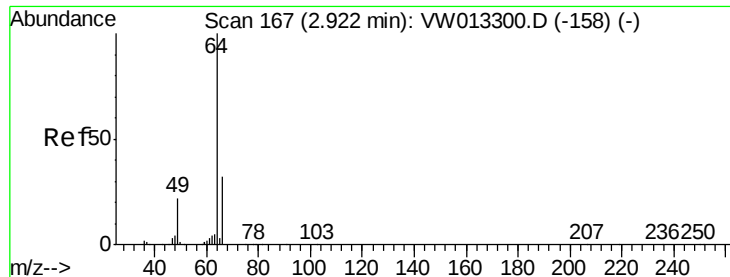
Tgt Ion: 94 Resp: 94854

Ion Ratio Lower Upper

94 100

96 93.4 9.7 184.3





#8

Chloroethane

Concen: 26.870 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW013312.D

Acq: 26 Sep 2019 18:44

Instrument :

MSVOA_W

ClientSampleId :

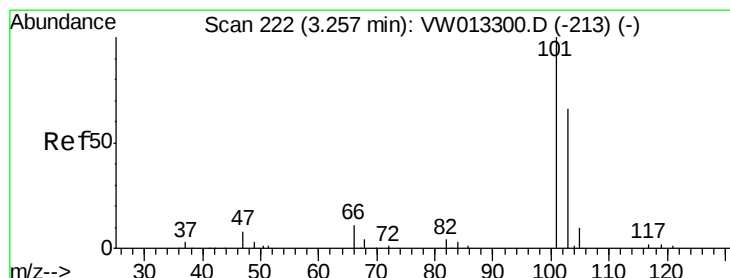
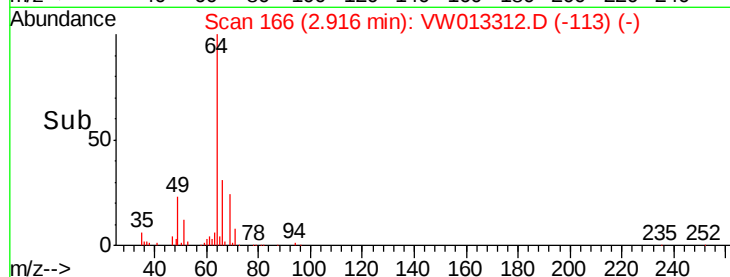
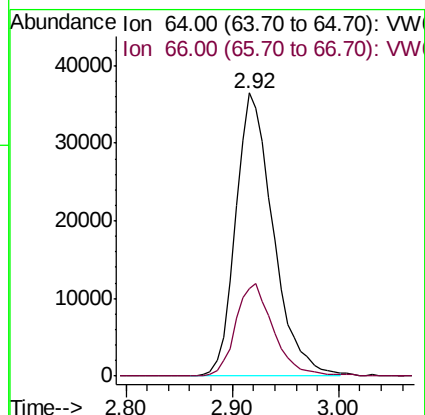
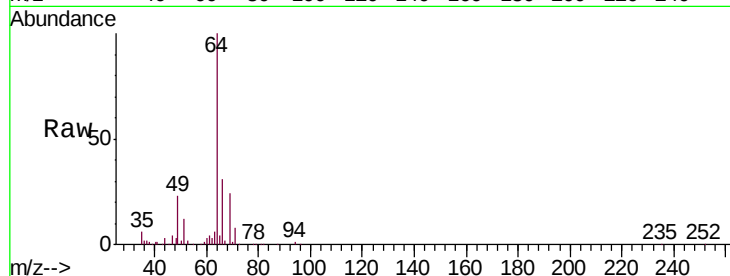
VSTD02507

Tgt Ion: 64 Resp: 90225

Ion Ratio Lower Upper

64 100

66 31.1 22.7 42.1



#9

Trichlorofluoromethane

Concen: 23.943 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW013312.D

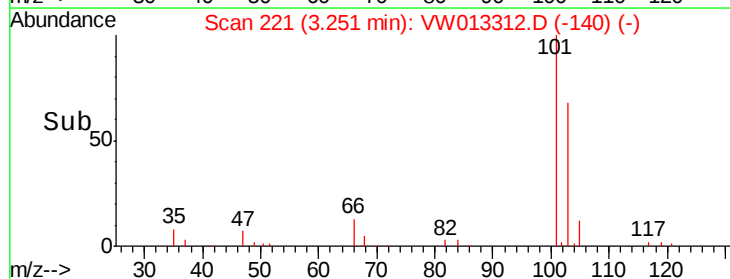
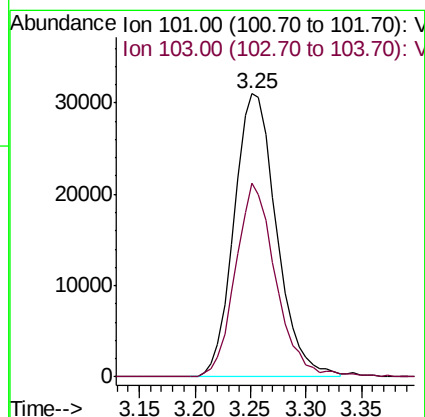
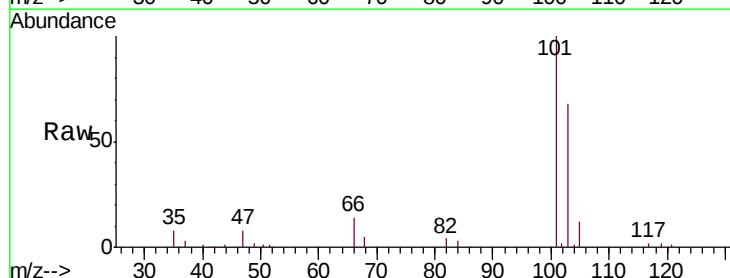
Acq: 26 Sep 2019 18:44

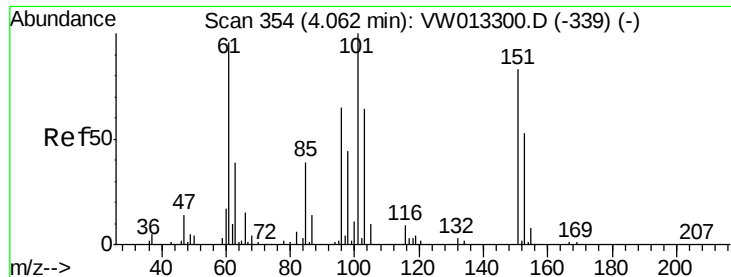
Tgt Ion: 101 Resp: 82136

Ion Ratio Lower Upper

101 100

103 64.1 45.2 84.0





#11

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

Concen: 26.370 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013312.D

Acq: 26 Sep 2019 18:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

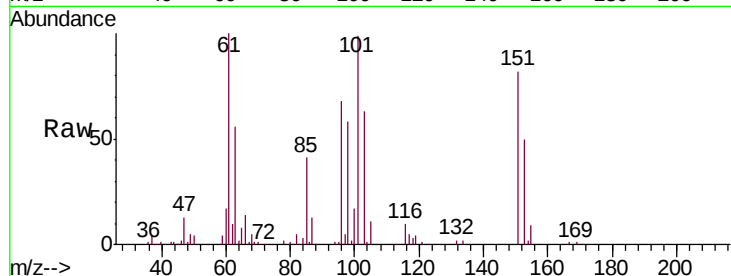
Tgt Ion: 101 Resp: 142957

Ion Ratio Lower Upper

101 100

85 42.2 31.8 47.8

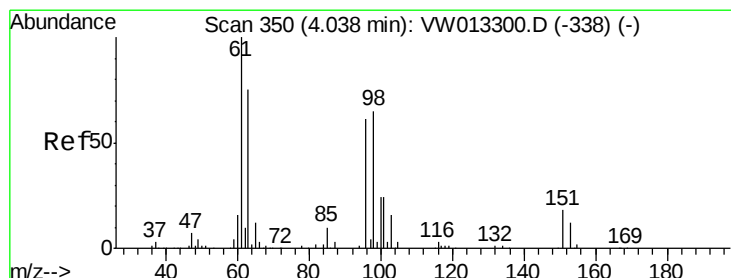
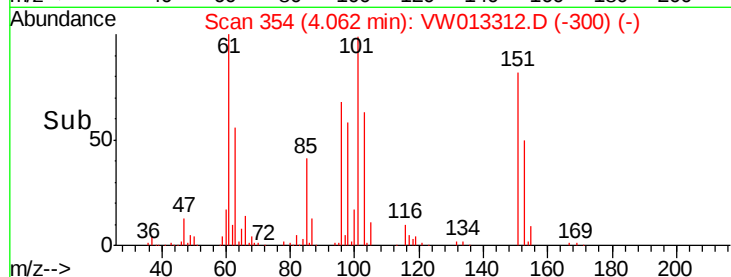
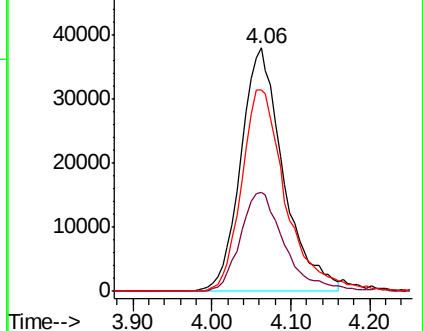
151 84.5 65.4 98.0



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: 26.619 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW013312.D

Acq: 26 Sep 2019 18:44

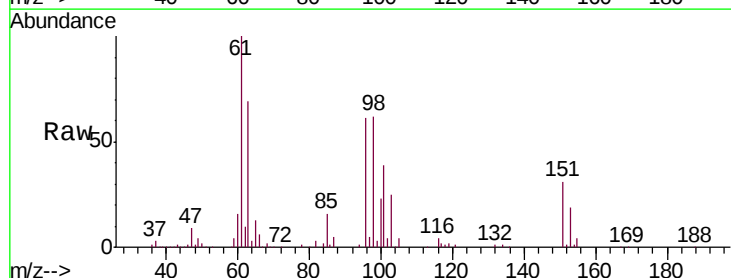
Tgt Ion: 96 Resp: 146453

Ion Ratio Lower Upper

96 100

61 162.7 115.9 215.3

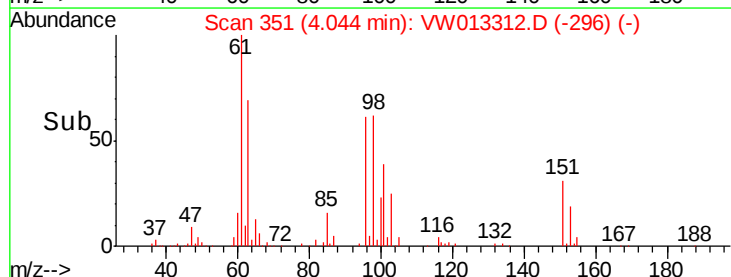
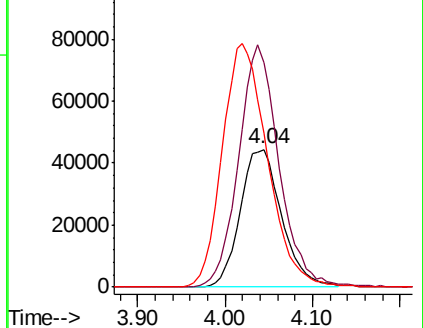
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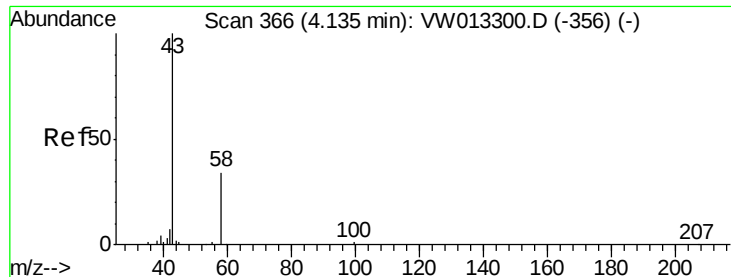


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 50.295 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013312.D

Acq: 26 Sep 2019 18:44

Instrument :

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ClientSampleId :

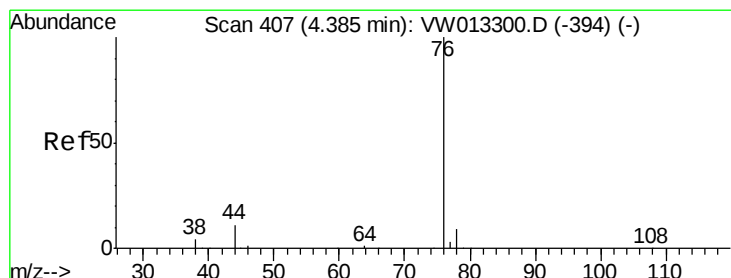
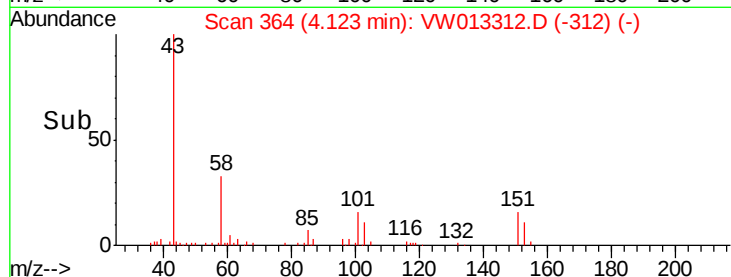
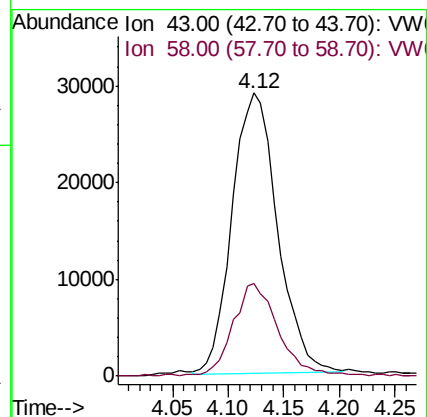
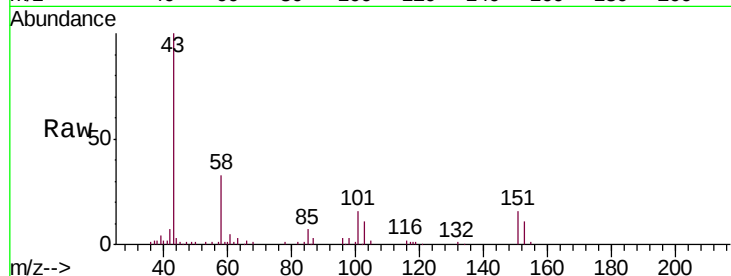
VSTD02507

Tgt Ion: 43 Resp: 82341

Ion Ratio Lower Upper

43 100

58 32.0 0.0 63.2



#14

Carbon disulfide

Concen: 26.888 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW013312.D

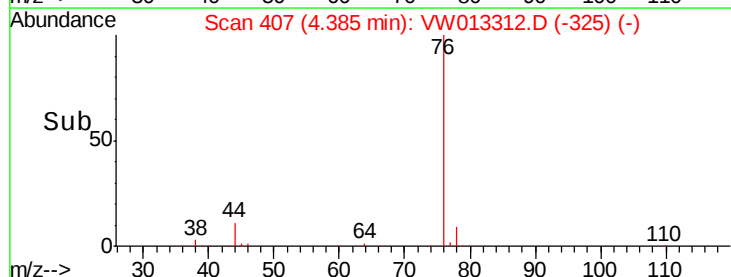
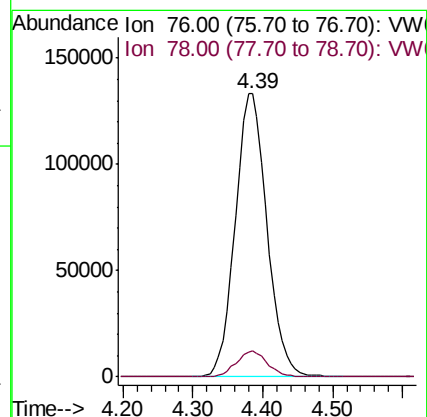
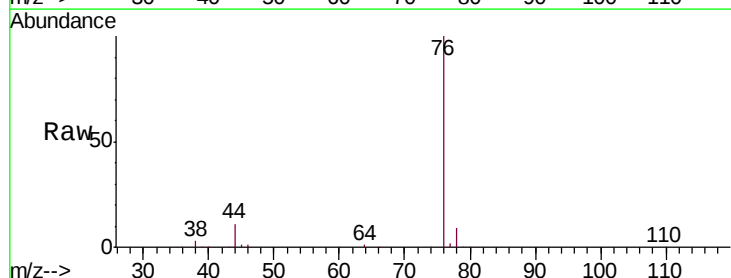
Acq: 26 Sep 2019 18:44

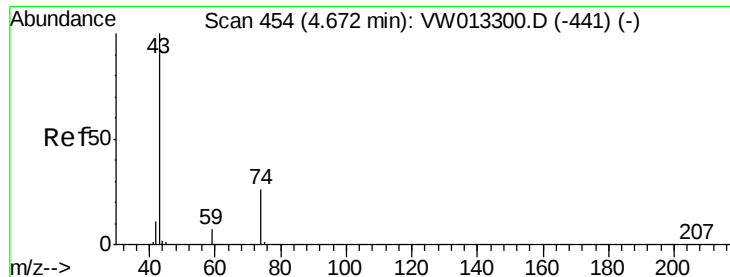
Tgt Ion: 76 Resp: 419941

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

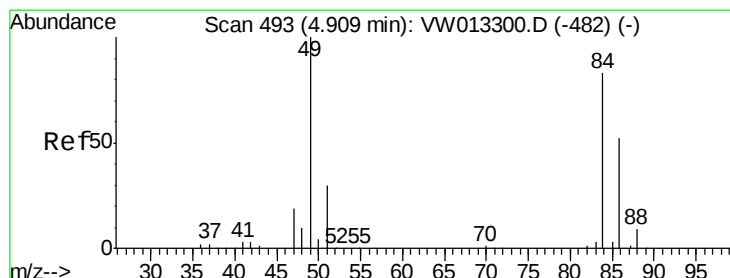
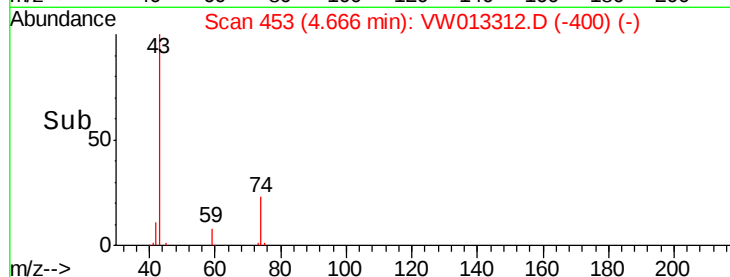
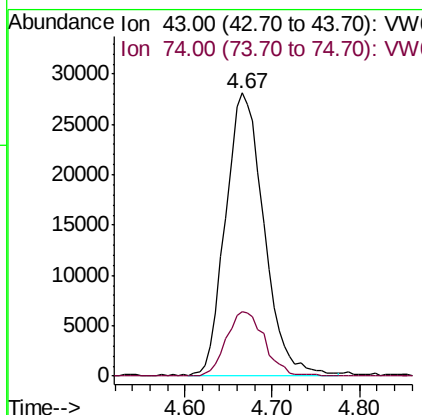
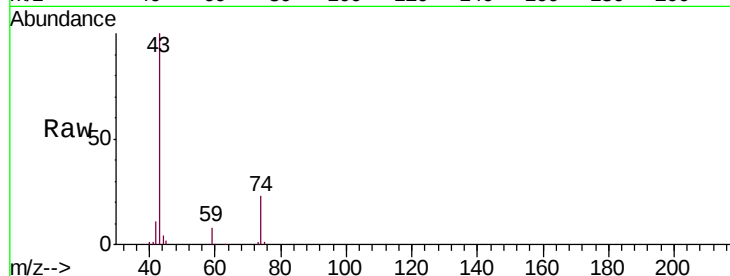




#15
Methyl Acetate
Concen: 26.938 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013312.D
Acq: 26 Sep 2019 18:44

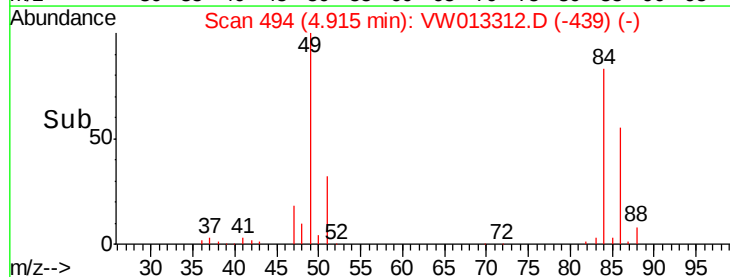
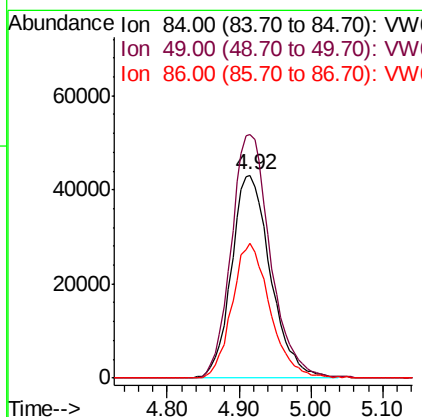
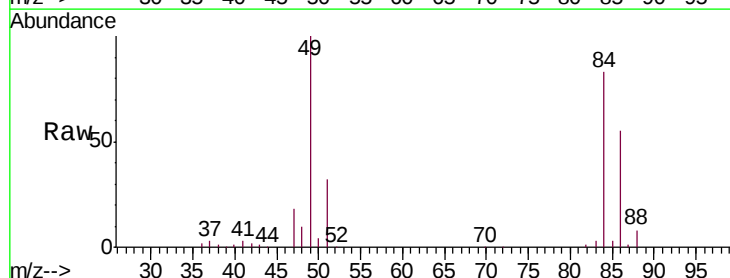
Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

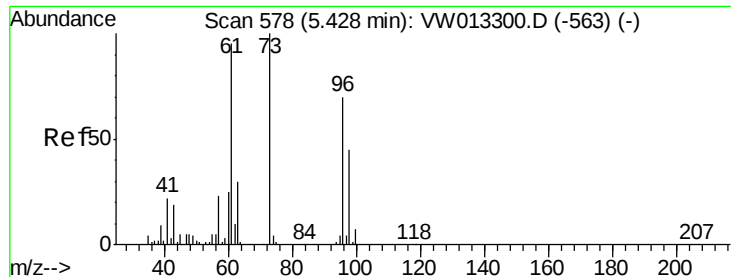
Tgt Ion: 43 Resp: 85097
Ion Ratio Lower Upper
43 100
74 22.6 18.7 28.1



#16
Methylene chloride
Concen: 22.743 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013312.D
Acq: 26 Sep 2019 18:44

Tgt Ion: 84 Resp: 162170
Ion Ratio Lower Upper
84 100
49 120.0 84.8 157.4
86 66.3 44.0 81.6

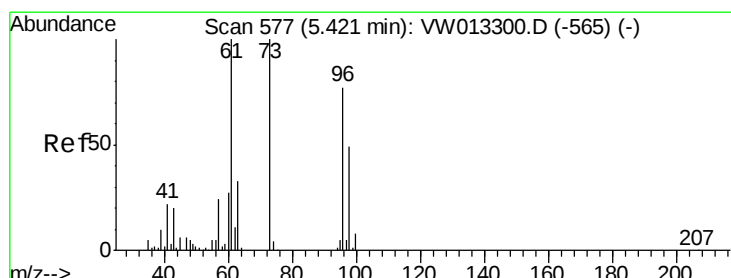
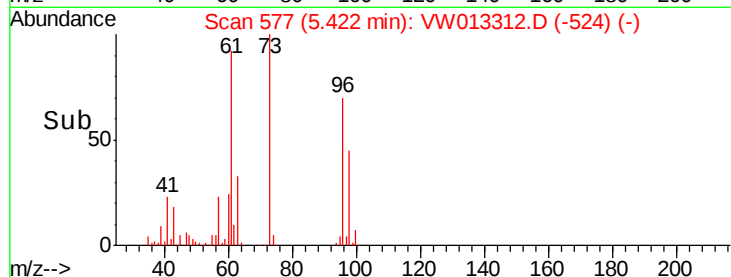
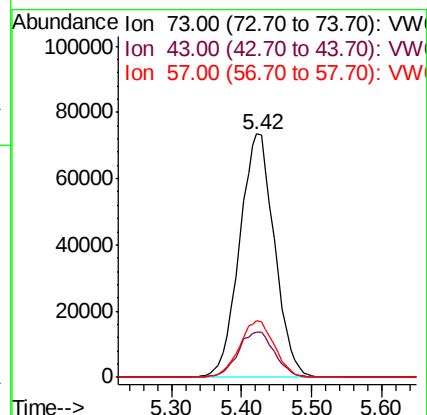
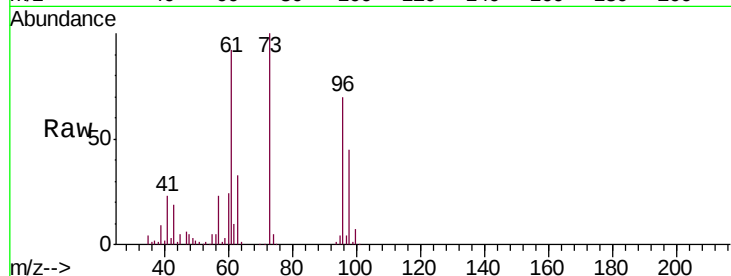




#17
Methyl tert-butyl Ether
Concen: 26.715 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW013312.D
Acq: 26 Sep 2019 18:44

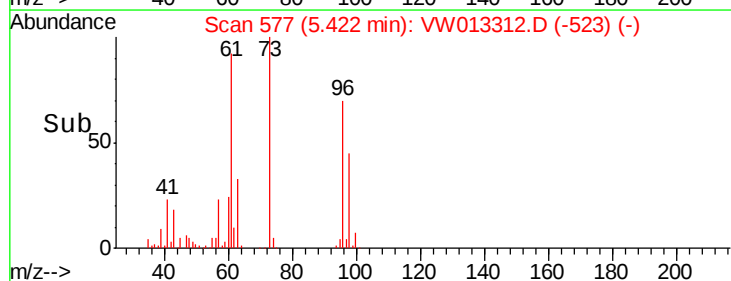
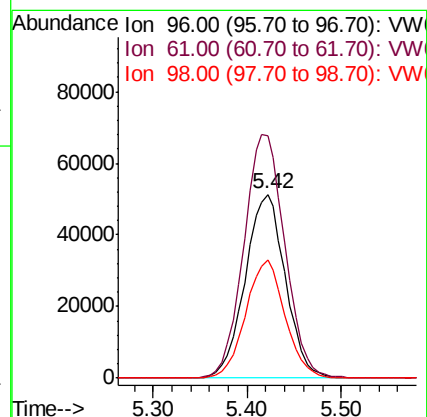
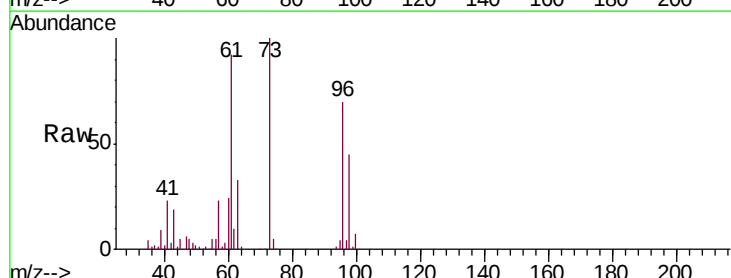
Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

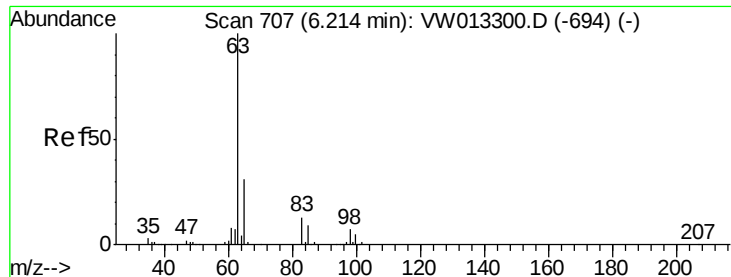
Tgt Ion: 73 Resp: 254224
Ion Ratio Lower Upper
73 100
43 19.6 15.3 22.9
57 23.2 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 26.120 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013312.D
Acq: 26 Sep 2019 18:44

Tgt Ion: 96 Resp: 153666
Ion Ratio Lower Upper
96 100
61 131.8 91.2 169.4
98 64.4 44.7 82.9

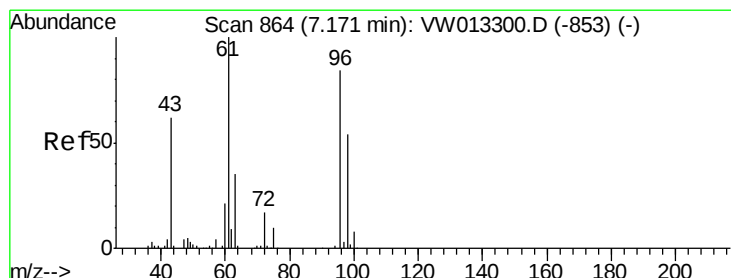
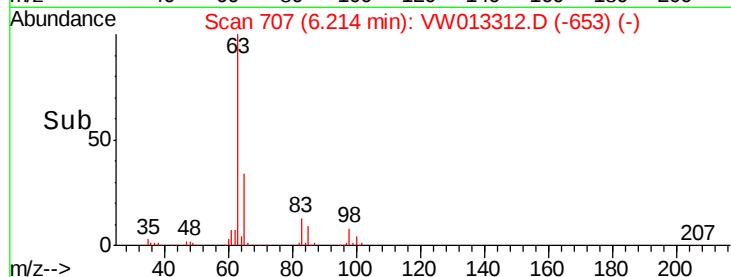
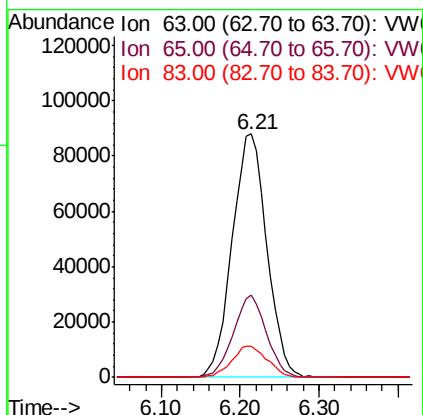
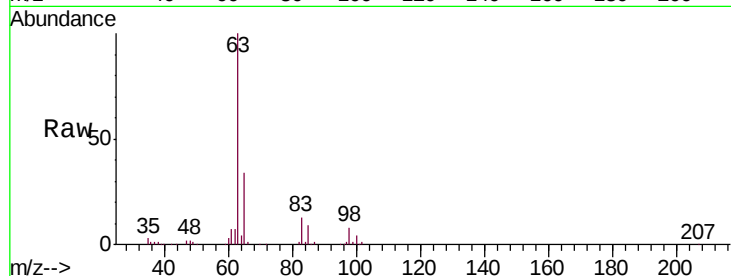




#19
 1,1-Dichloroethane
 Concen: 26.011 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW013312.D
 Acq: 26 Sep 2019 18:44

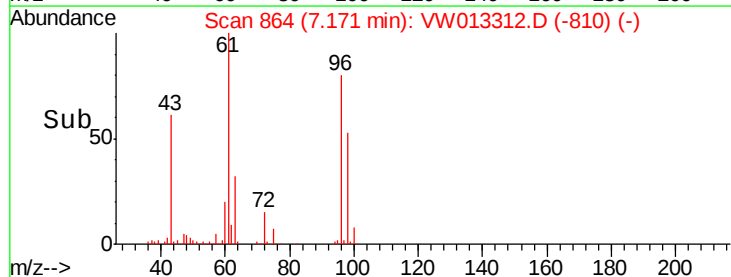
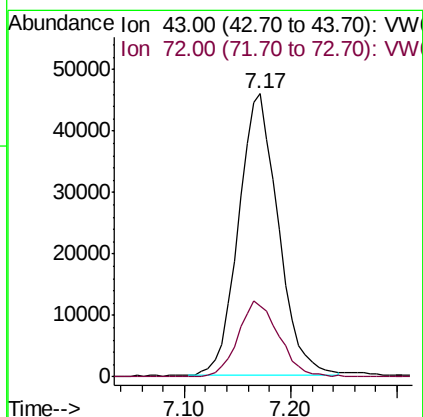
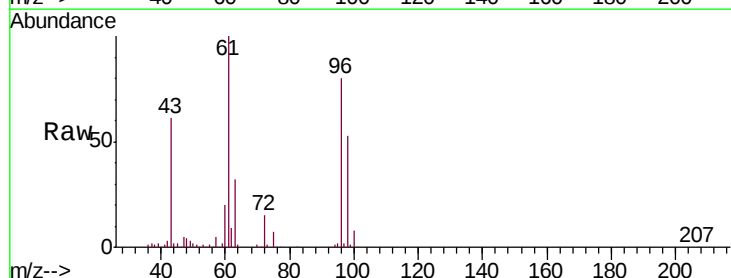
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

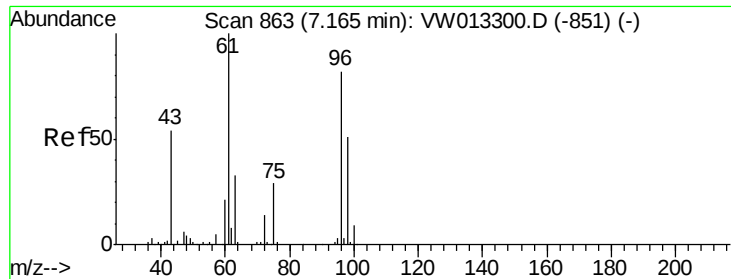
Tgt Ion: 63 Resp: 268409
 Ion Ratio Lower Upper
 63 100
 65 33.6 21.8 40.4
 83 12.8 9.3 17.3



#21
 2-Butanone
 Concen: 50.714 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW013312.D
 Acq: 26 Sep 2019 18:44

Tgt Ion: 43 Resp: 119587
 Ion Ratio Lower Upper
 43 100
 72 27.3 13.2 39.6



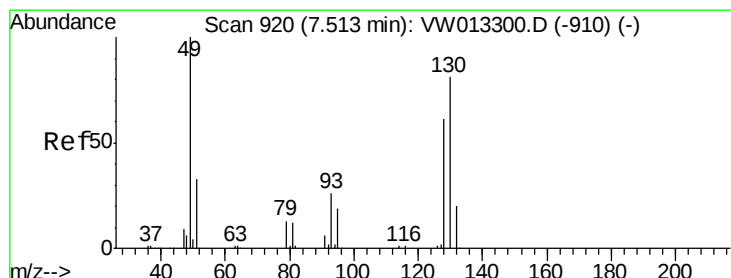
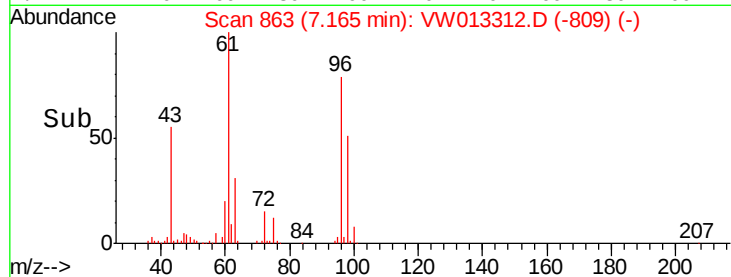
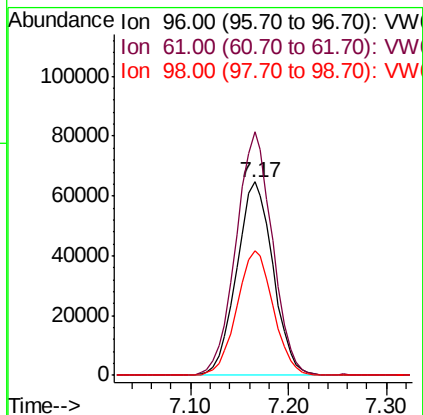
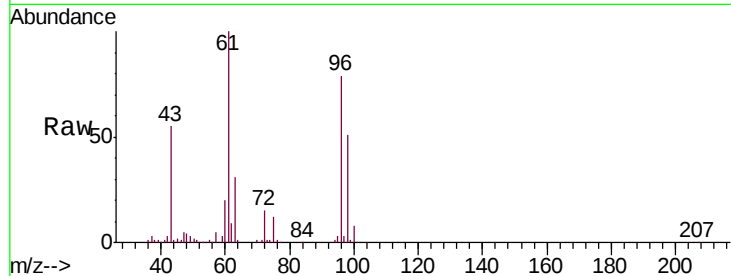


#22

cis-1,2-Dichloroethene
Concen: 26.048 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013312.D
Acq: 26 Sep 2019 18:44

Instrument :
MSVOA_W
ClientSampled :
VSTD02507

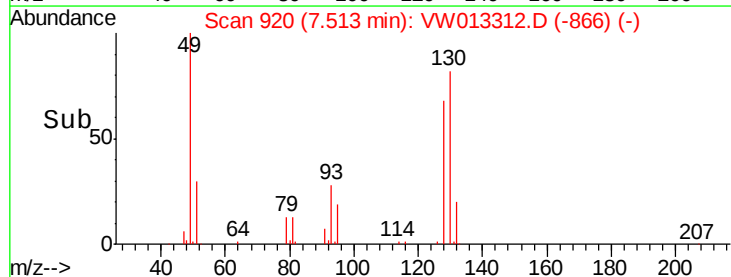
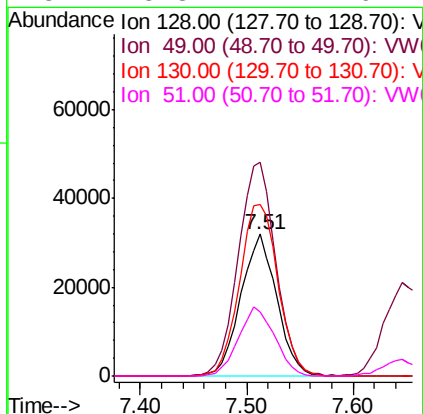
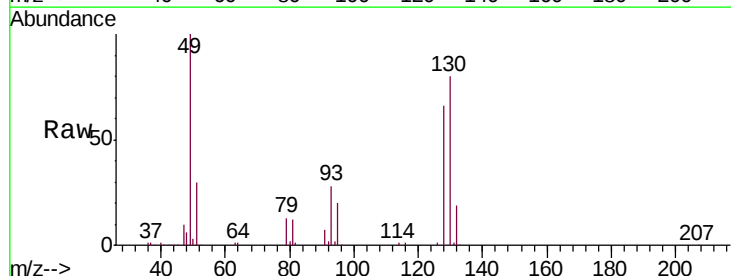
Tgt Ion: 96 Resp: 166972
Ion Ratio Lower Upper
96 100
61 125.9 86.0 159.6
98 64.4 43.5 80.9

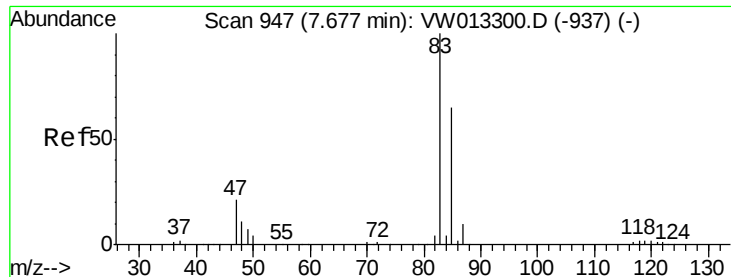


#23

Bromochloromethane
Concen: 26.276 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW013312.D
Acq: 26 Sep 2019 18:44

Tgt Ion: 128 Resp: 75793
Ion Ratio Lower Upper
128 100
49 150.5 114.6 212.8
130 120.7 92.6 172.0
51 45.3 42.7 64.1

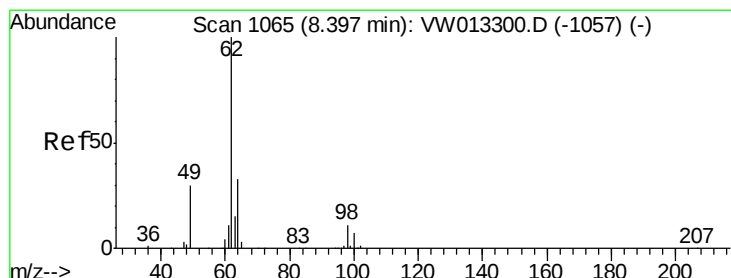
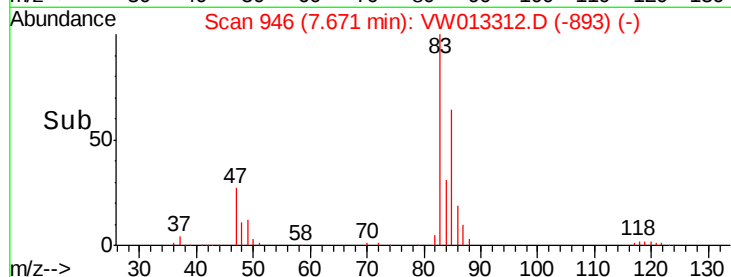
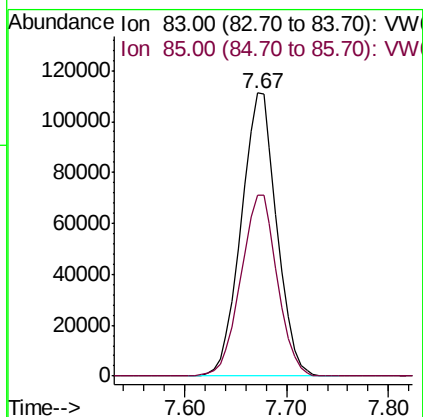
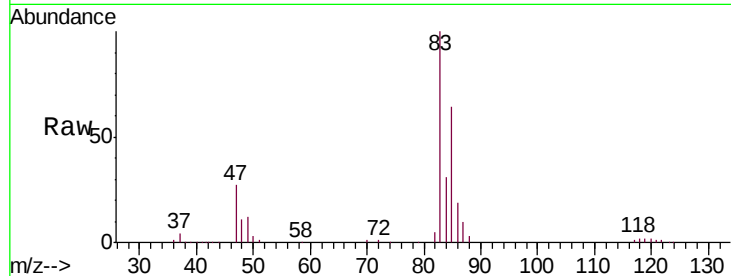




#25
Chloroform
Concen: 26.559 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013312.D
Acq: 26 Sep 2019 18:44

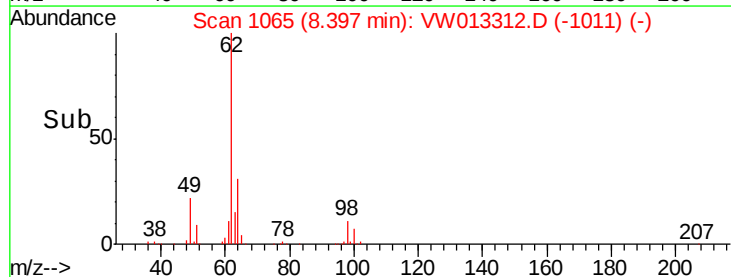
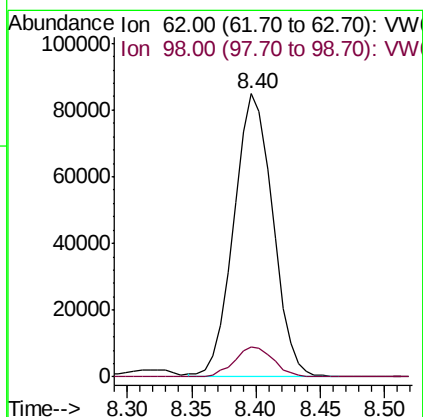
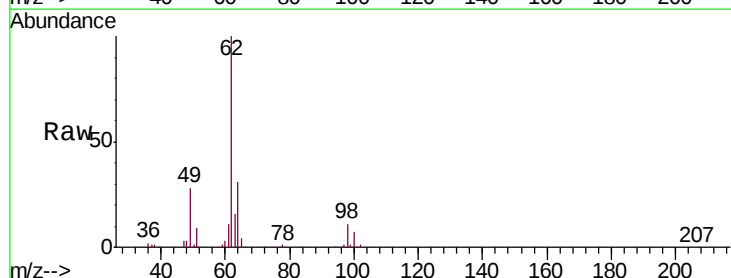
Instrument :
MSVOA_W
ClientSampled :
VSTD02507

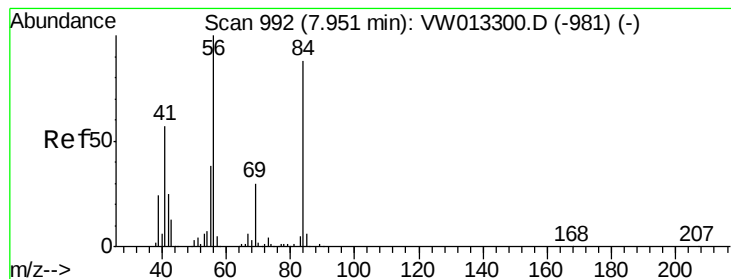
Tgt Ion: 83 Resp: 269325
Ion Ratio Lower Upper
83 100
85 65.5 45.9 85.3



#27
1,2-Dichloroethane
Concen: 26.857 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013312.D
Acq: 26 Sep 2019 18:44

Tgt Ion: 62 Resp: 178358
Ion Ratio Lower Upper
62 100
98 10.6 9.0 13.6





#30

Cyclohexane

Concen: 26.363 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013312.D

Acq: 26 Sep 2019 18:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

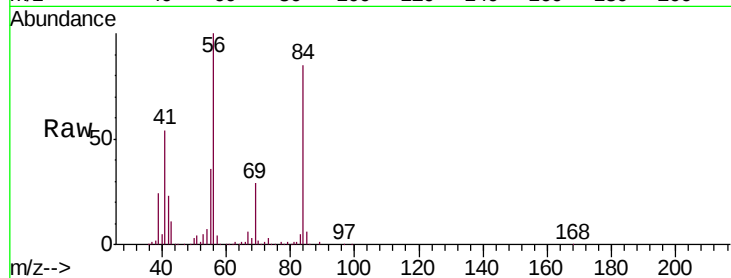
Tgt Ion: 56 Resp: 269838

Ion Ratio Lower Upper

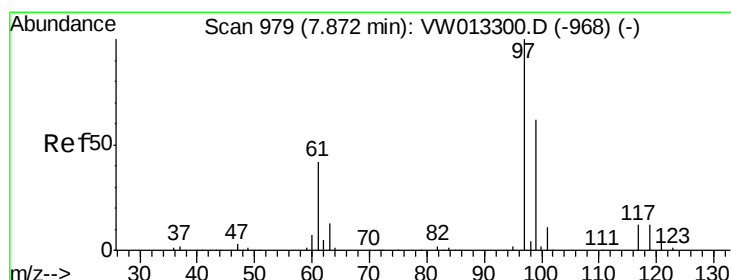
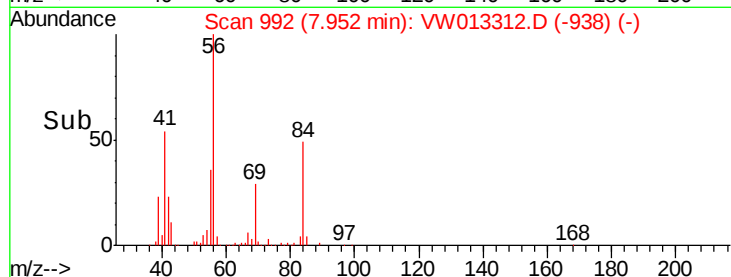
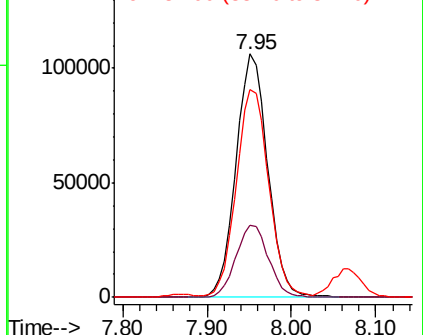
56 100

69 30.5 24.6 37.0

84 87.7 69.5 104.3



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



#31

1,1,1-Trichloroethane

Concen: 25.917 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013312.D

Acq: 26 Sep 2019 18:44

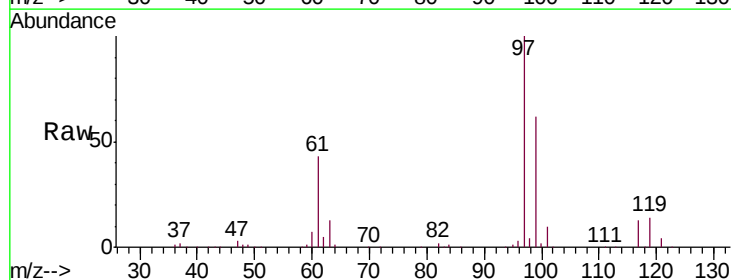
Tgt Ion: 97 Resp: 211996

Ion Ratio Lower Upper

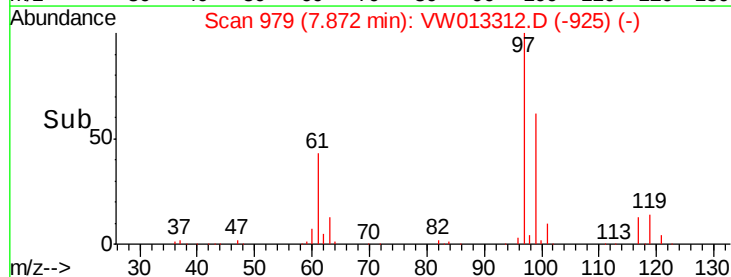
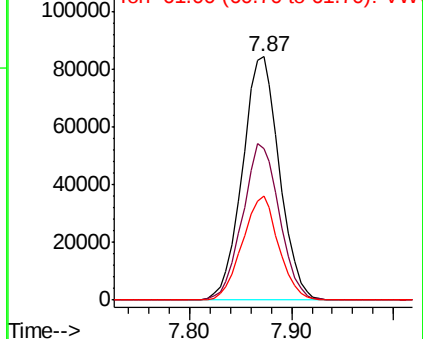
97 100

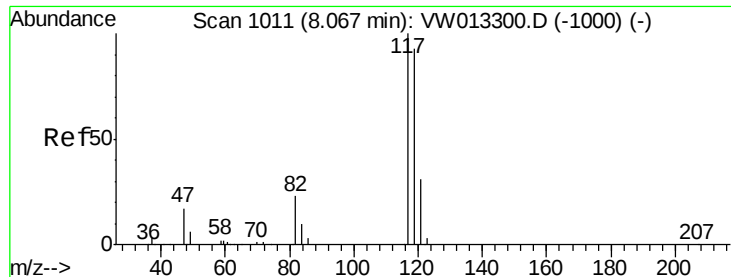
99 63.9 50.6 75.8

61 41.9 34.2 51.2



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

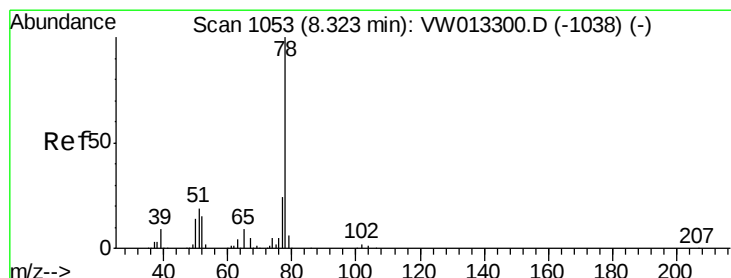
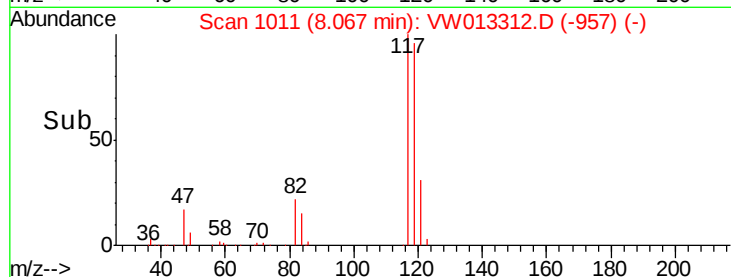
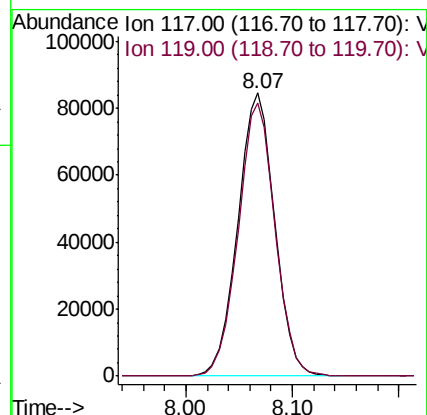
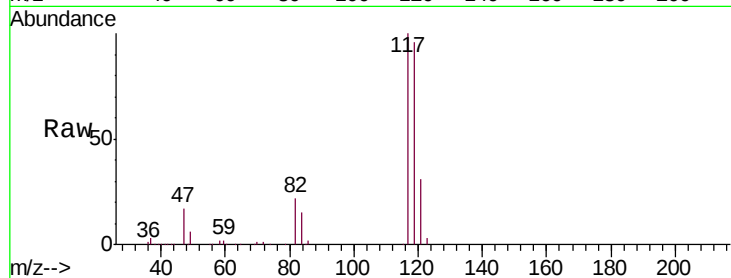




#32
Carbon tetrachloride
Concen: 26.301 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013312.D
Acq: 26 Sep 2019 18:44

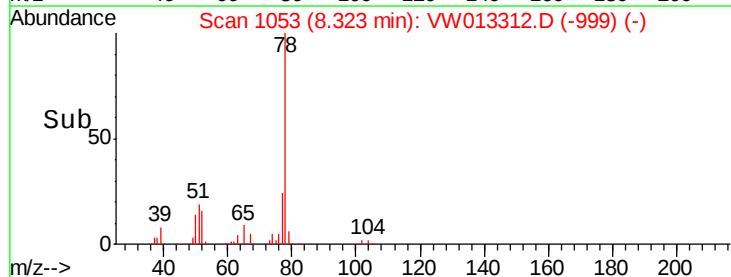
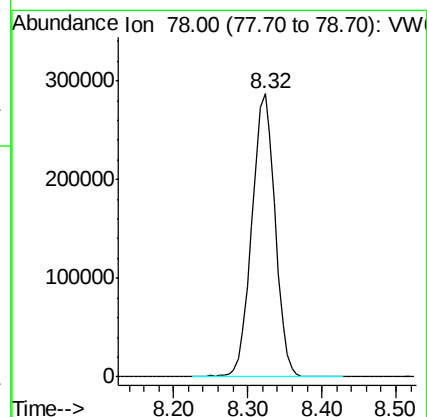
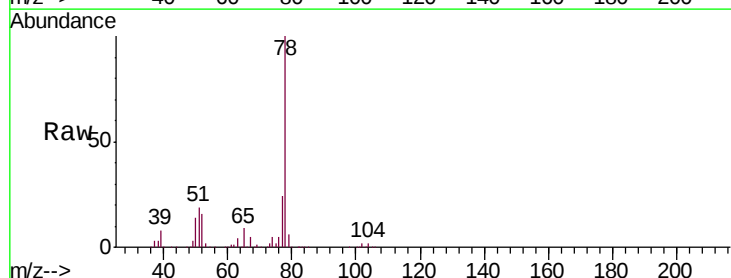
Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

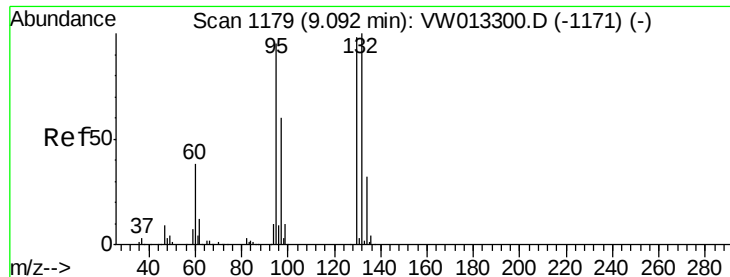
Tgt Ion:117 Resp: 205129
Ion Ratio Lower Upper
117 100
119 96.4 76.7 115.1



#34
Benzene
Concen: 26.434 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013312.D
Acq: 26 Sep 2019 18:44

Tgt Ion: 78 Resp: 631589

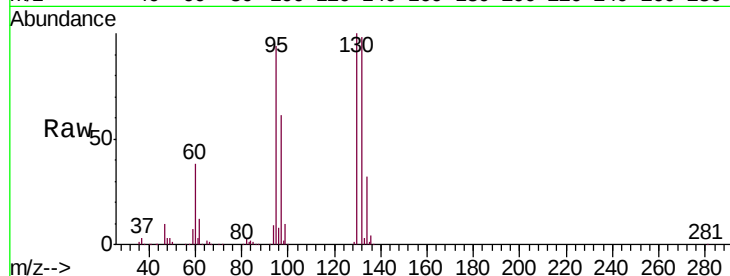




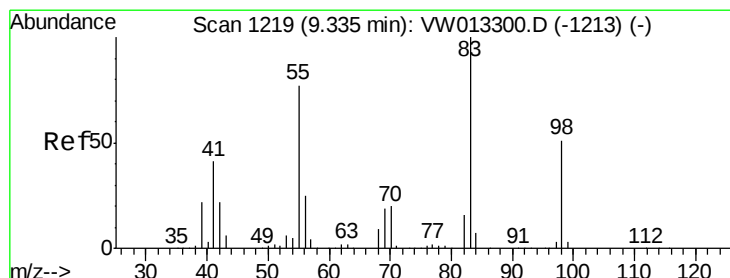
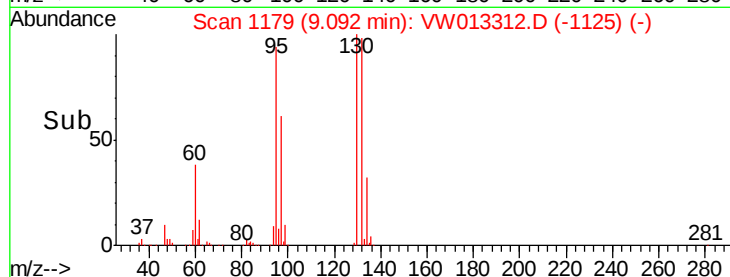
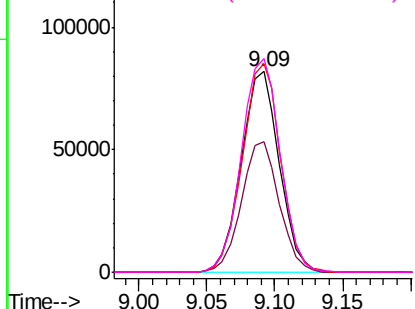
#35
 Trichloroethene
 Concen: 25.563 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW013312.D
 Acq: 26 Sep 2019 18:44

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02507

Tgt Ion	Ratio	Lower	Upper
95	100		
97	64.4	44.3	82.3
132	104.9	71.7	133.3
130	108.4	74.1	137.7

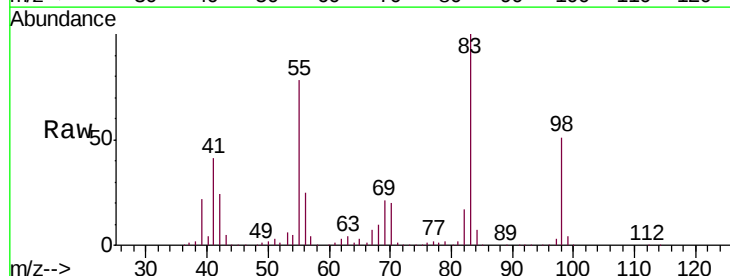


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

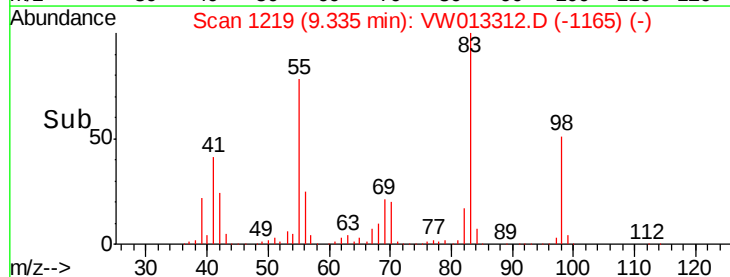
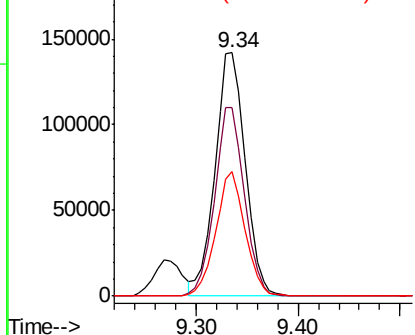


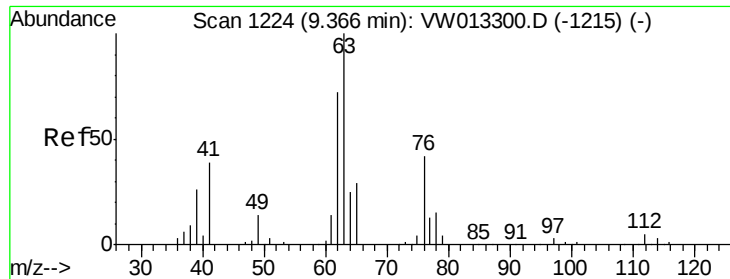
#36
 Methylcyclohexane
 Concen: 26.270 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW013312.D
 Acq: 26 Sep 2019 18:44

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.2	61.8	92.6
98	49.4	39.6	59.4



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

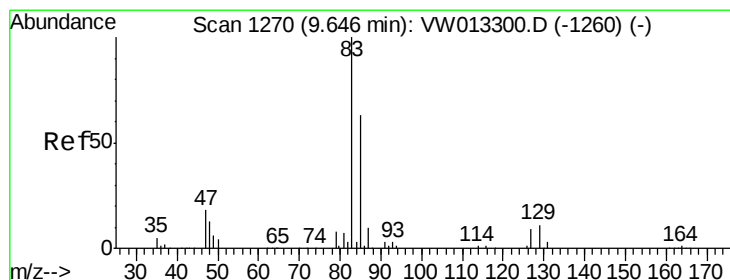
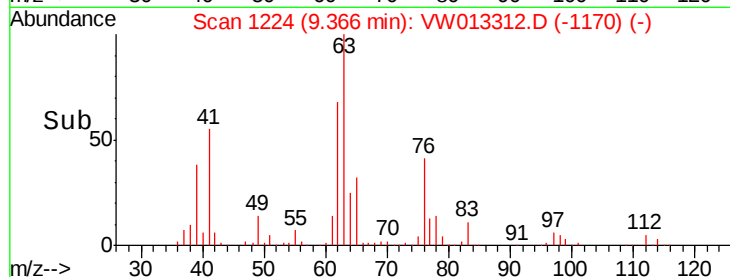
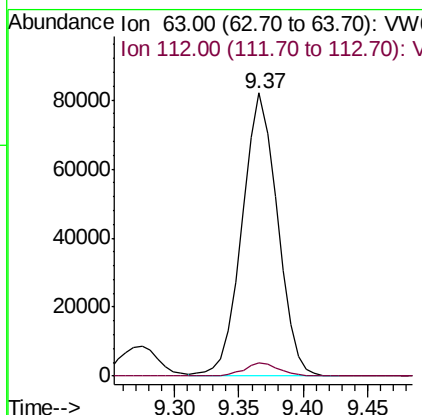
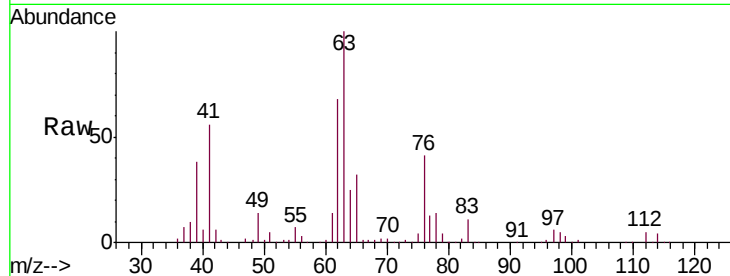




#40
 1,2-Dichloropropane
 Concen: 26.507 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013312.D
 Acq: 26 Sep 2019 18:44

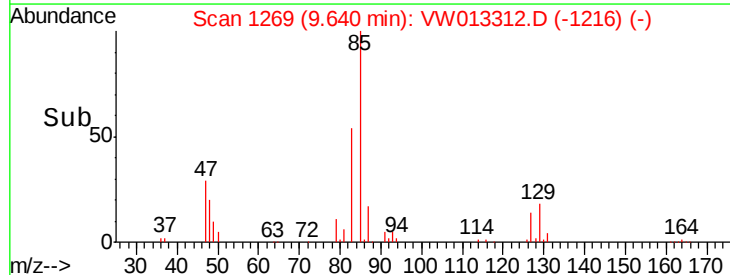
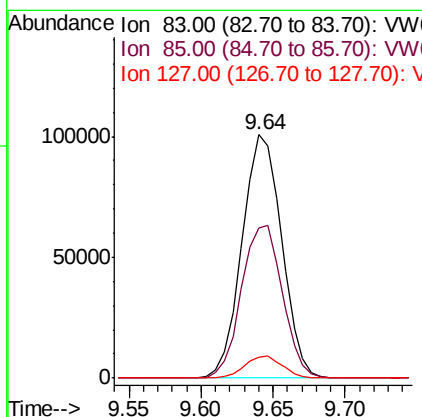
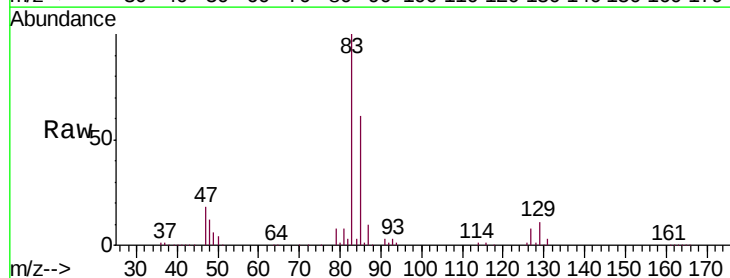
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

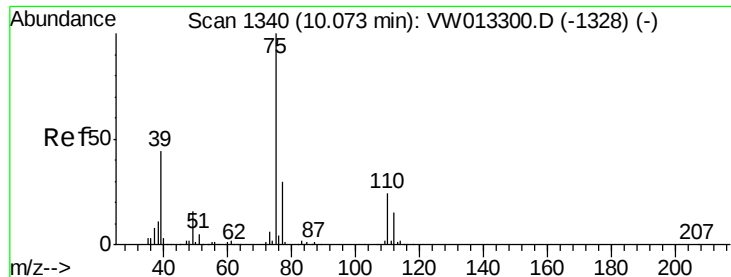
Tgt Ion: 63 Resp: 155815
 Ion Ratio Lower Upper
 63 100
 112 4.7 4.1 6.1



#41
 Bromodichloromethane
 Concen: 26.651 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW013312.D
 Acq: 26 Sep 2019 18:44

Tgt Ion: 83 Resp: 192219
 Ion Ratio Lower Upper
 83 100
 85 61.5 43.8 81.4
 127 8.5 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 26.593 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013312.D

Acq: 26 Sep 2019 18:44

Instrument :

MSVOA_W

ClientSampleId :

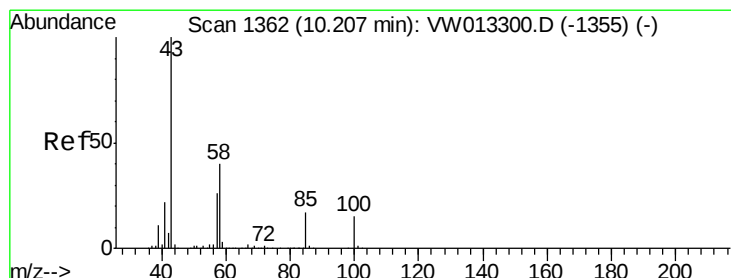
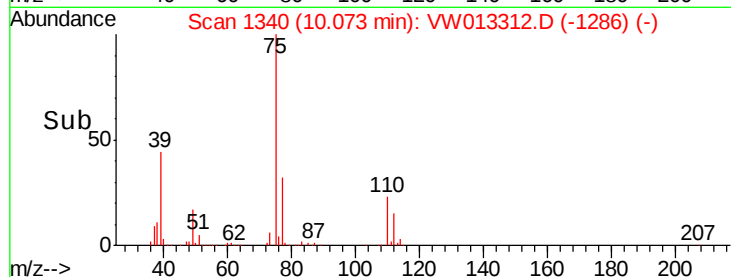
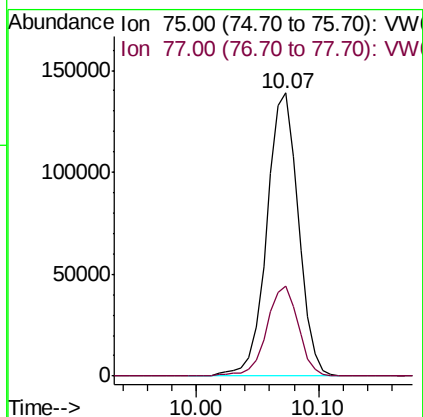
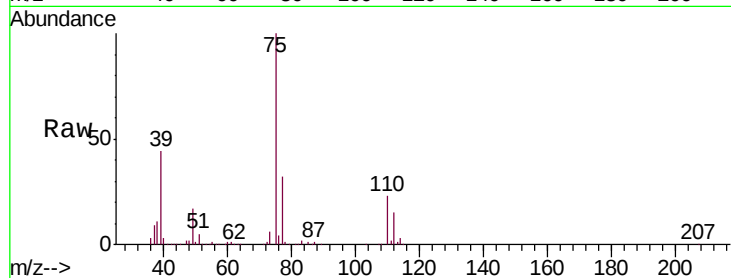
VSTD02507

Tgt Ion: 75 Resp: 249701

Ion Ratio Lower Upper

75 100

77 31.8 21.3 39.5



#43

4-Methyl-2-pentanone

Concen: 54.582 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013312.D

Acq: 26 Sep 2019 18:44

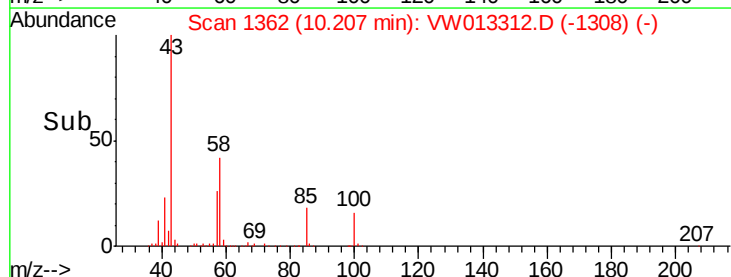
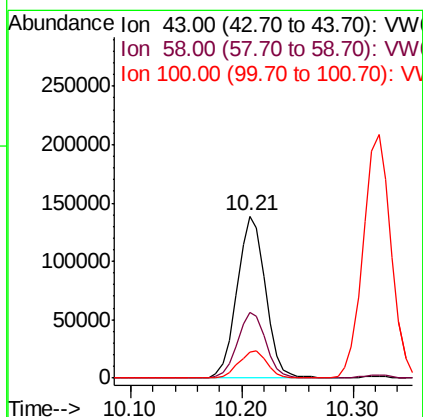
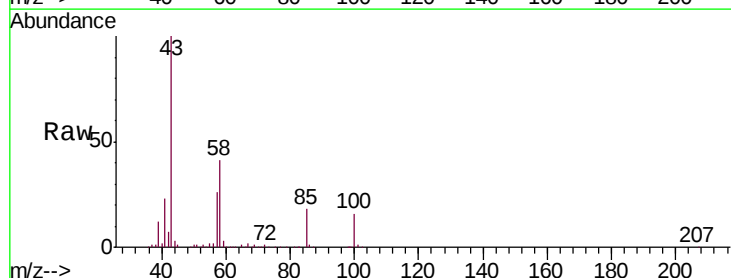
Tgt Ion: 43 Resp: 245624

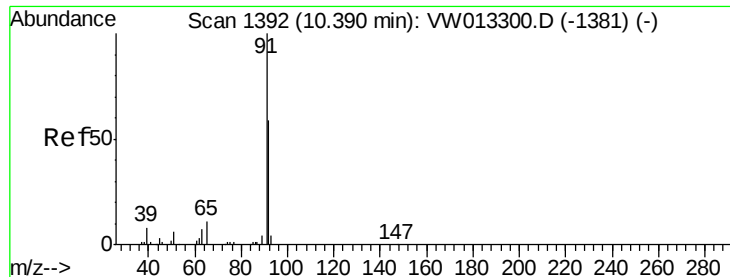
Ion Ratio Lower Upper

43 100

58 40.3 32.7 49.1

100 16.8 12.9 19.3





#44

Toluene

Concen: 26.330 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW013312.D

Acq: 26 Sep 2019 18:44

Instrument :

MSVOA_W

ClientSampleId :

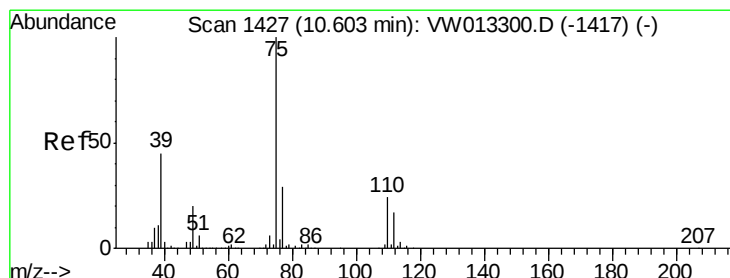
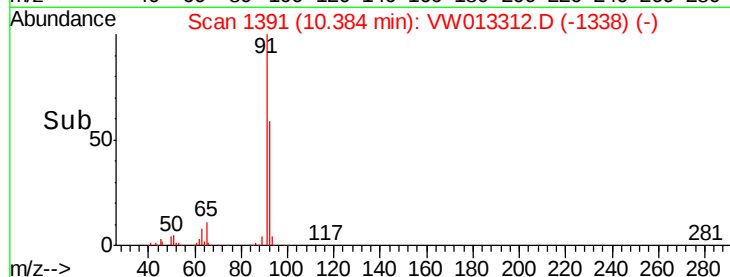
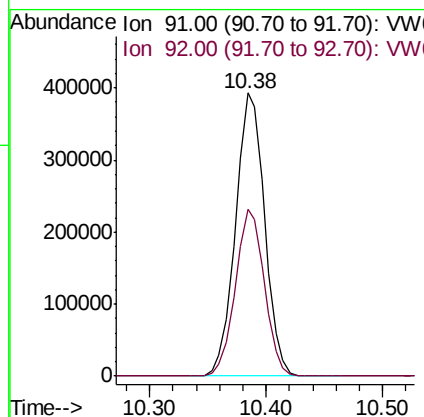
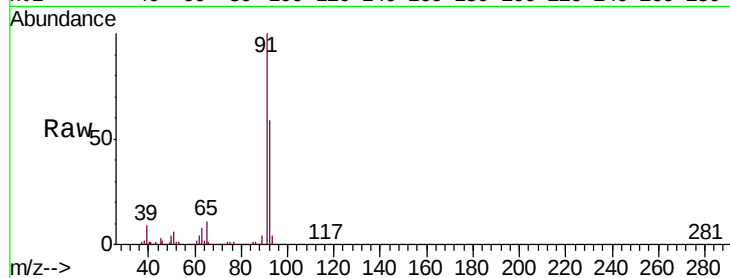
VSTD02507

Tgt Ion: 91 Resp: 684934

Ion Ratio Lower Upper

91 100

92 59.0 41.5 77.1



#45

trans-1,3-Dichloropropene

Concen: 27.349 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013312.D

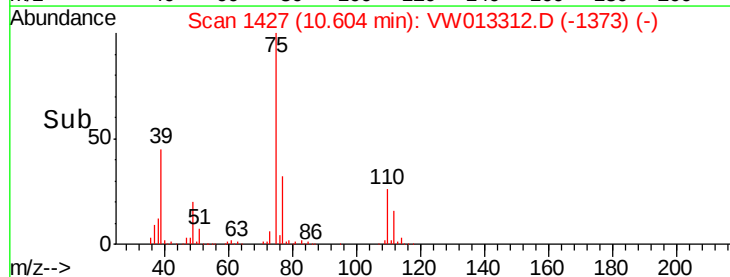
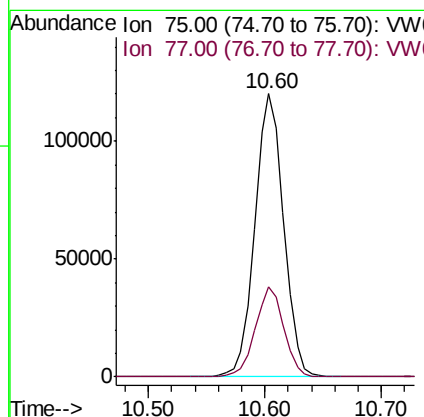
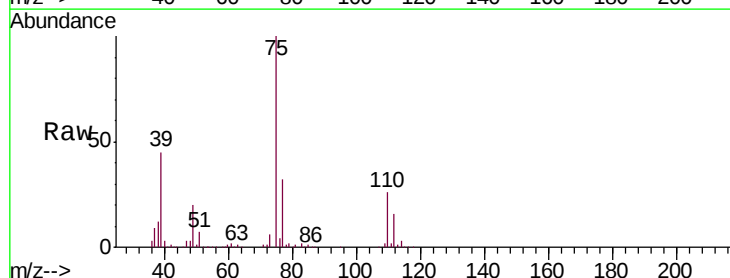
Acq: 26 Sep 2019 18:44

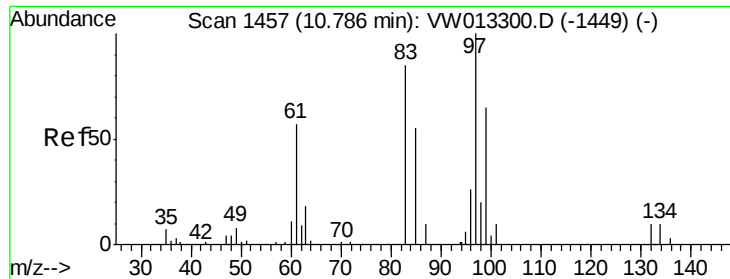
Tgt Ion: 75 Resp: 206409

Ion Ratio Lower Upper

75 100

77 31.8 20.5 38.1





#46

1,1,2-Trichloroethane

Concen: 26.438 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013312.D

Acq: 26 Sep 2019 18:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

Tgt Ion: 97 Resp: 121768

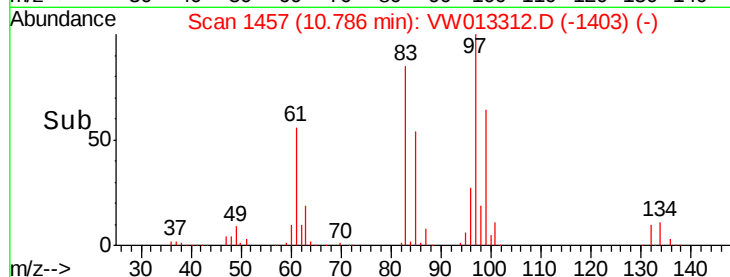
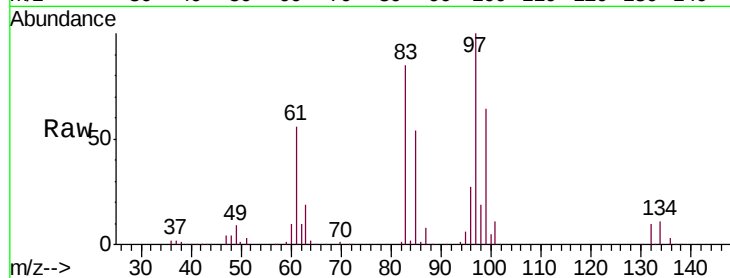
Ion Ratio Lower Upper

97 100

83 85.2 59.4 110.2

85 54.1 38.7 71.9

99 64.1 45.8 85.0

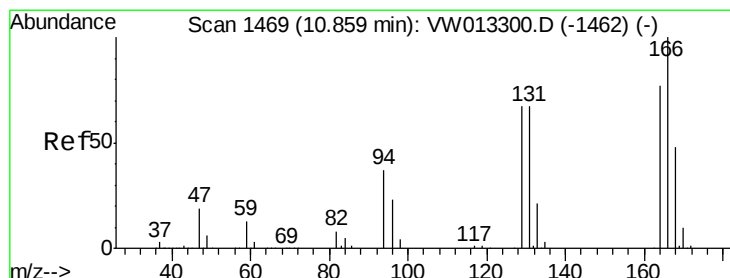
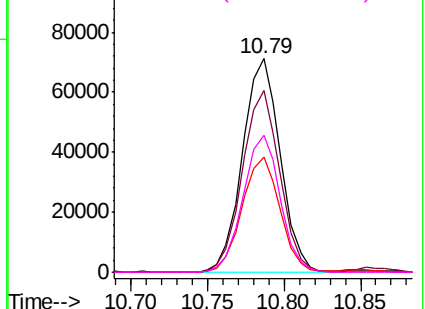


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 25.669 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013312.D

Acq: 26 Sep 2019 18:44

Tgt Ion: 164 Resp: 144981

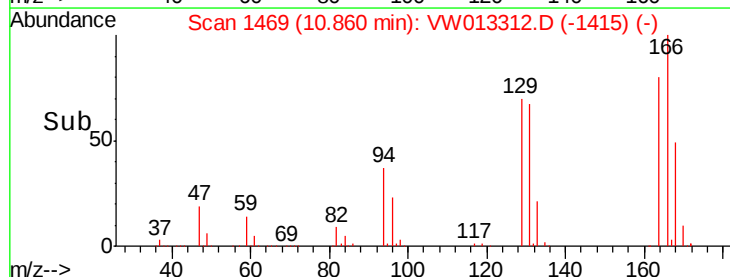
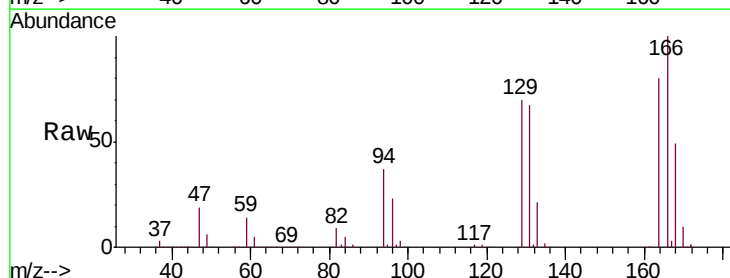
Ion Ratio Lower Upper

164 100

129 88.3 60.5 112.5

131 84.3 60.6 112.6

166 125.6 90.6 168.2

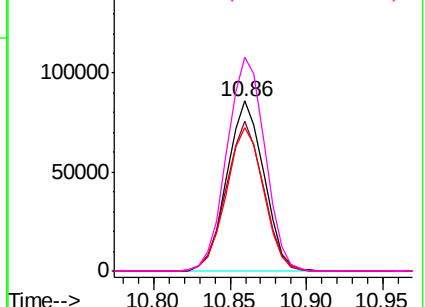


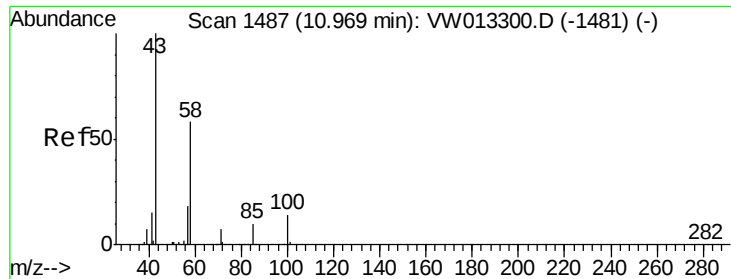
Abundance Ion 164.00 (163.70 to 164.70): V

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

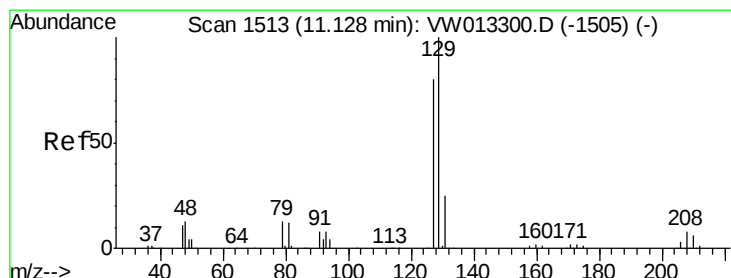
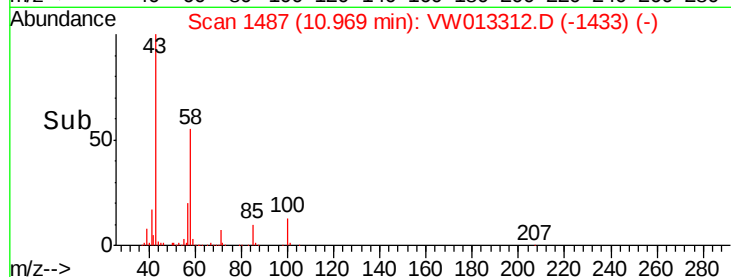
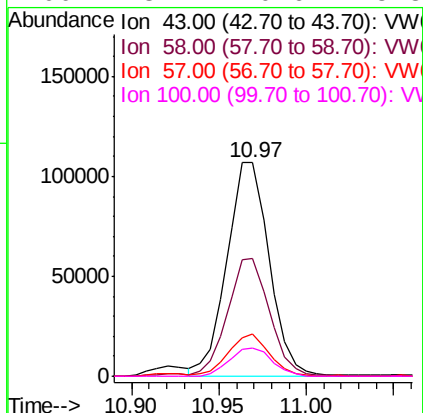
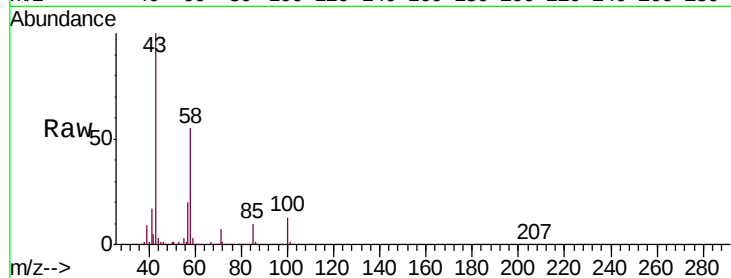




#49
2-Hexanone
Concen: 55.881 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013312.D
Acq: 26 Sep 2019 18:44

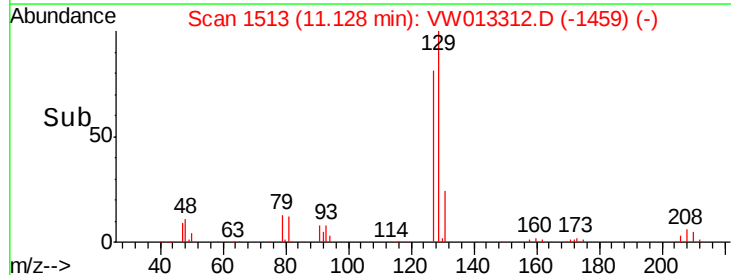
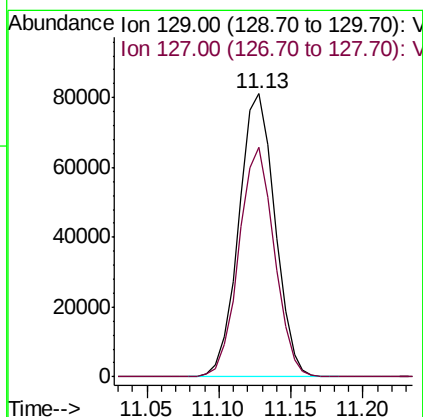
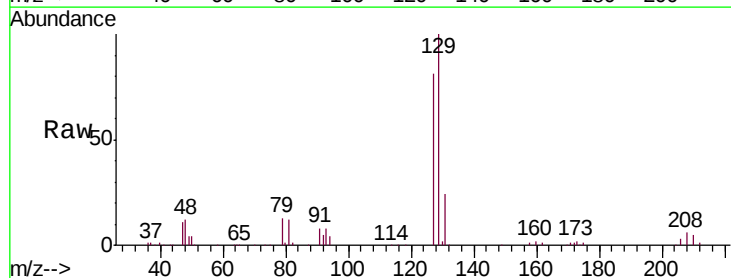
Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

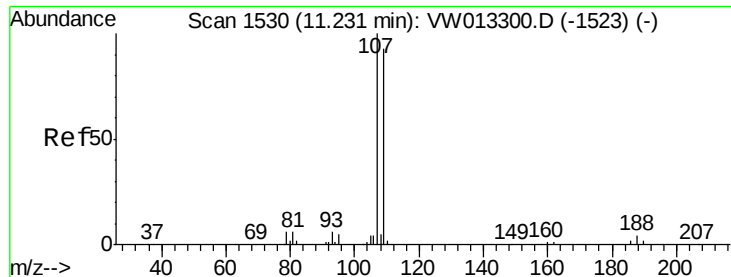
Tgt Ion: 43 Resp: 180758
Ion Ratio Lower Upper
43 100
58 54.7 44.3 66.5
57 19.2 15.3 22.9
100 13.1 10.6 15.8



#50
Dibromochloromethane
Concen: 26.794 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013312.D
Acq: 26 Sep 2019 18:44

Tgt Ion: 129 Resp: 141551
Ion Ratio Lower Upper
129 100
127 81.2 56.1 104.1





#51

1,2-Dibromoethane

Concen: 26.970 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW013312.D

Acq: 26 Sep 2019 18:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

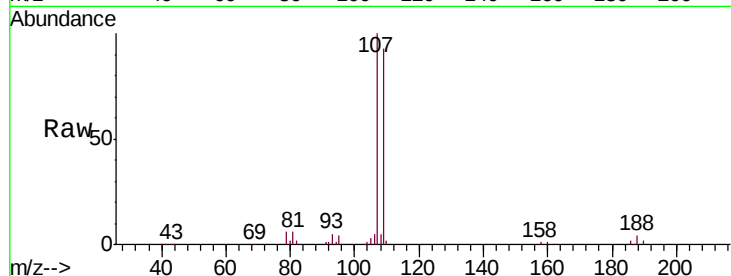
Tgt Ion:107 Resp: 122037

Ion Ratio Lower Upper

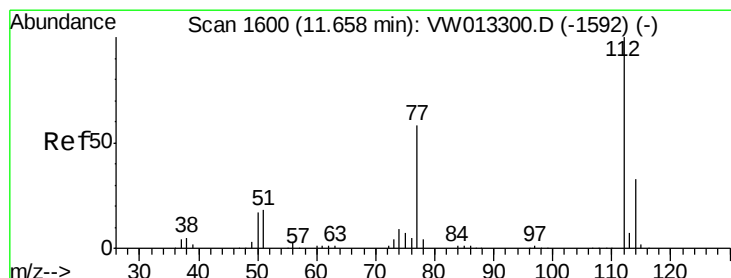
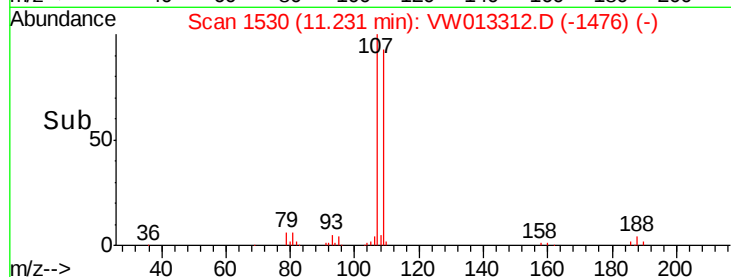
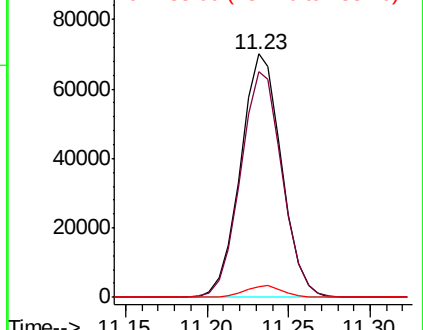
107 100

109 92.6 65.5 121.6

188 4.2 3.0 4.6



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: 26.213 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW013312.D

Acq: 26 Sep 2019 18:44

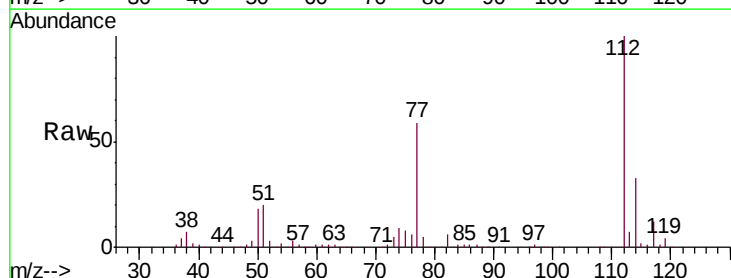
Tgt Ion:112 Resp: 429662

Ion Ratio Lower Upper

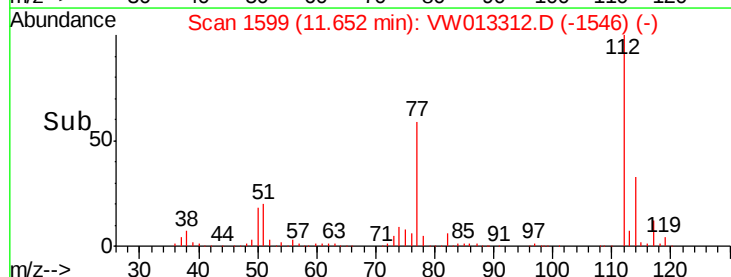
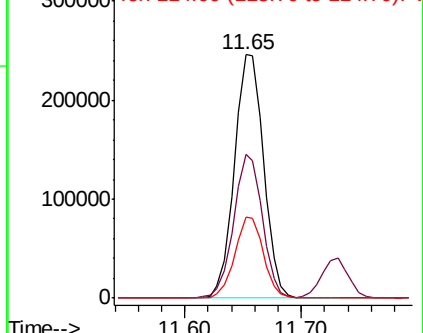
112 100

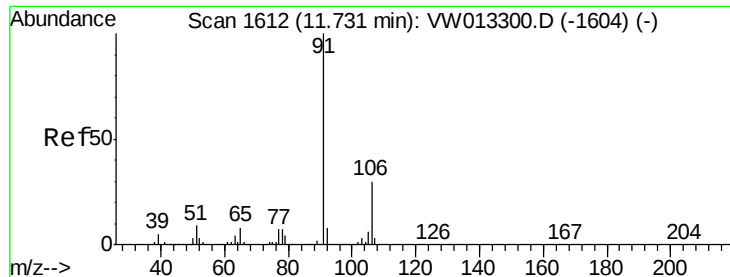
77 59.0 46.5 69.7

114 33.4 23.0 42.8



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

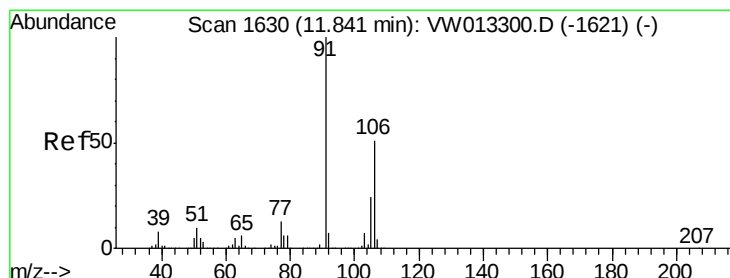
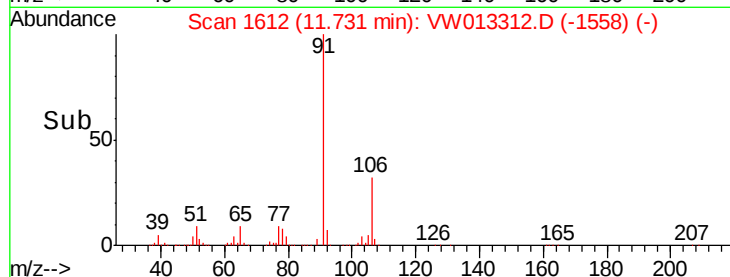
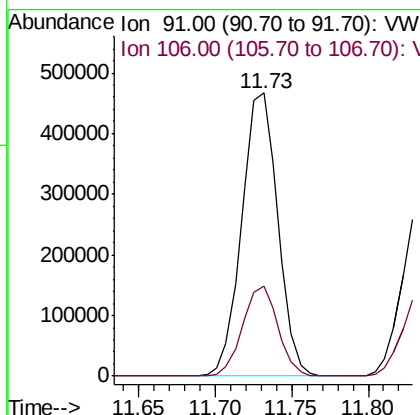
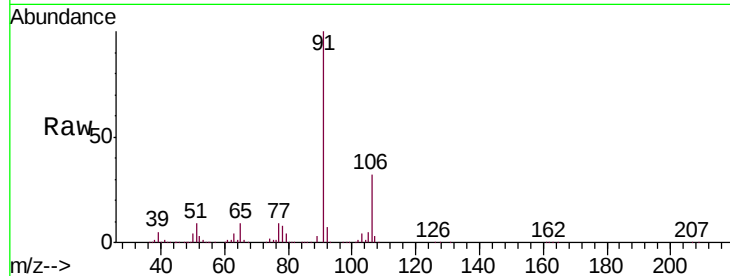




#53
Ethylbenzene
Concen: 26.532 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013312.D
Acq: 26 Sep 2019 18:44

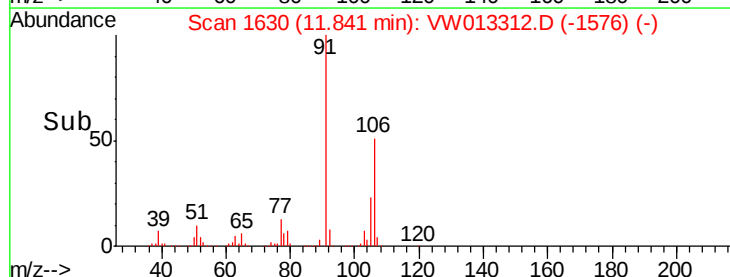
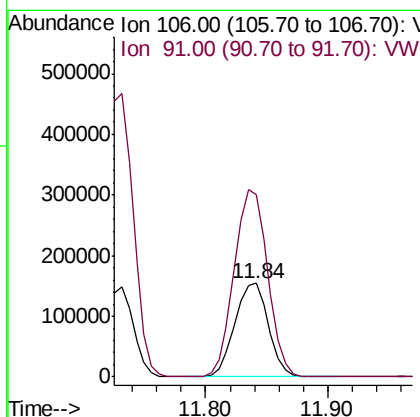
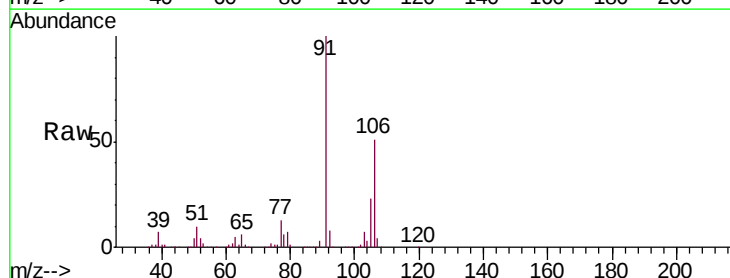
Instrument :
MSVOA_W
ClientSampled :
VSTD02507

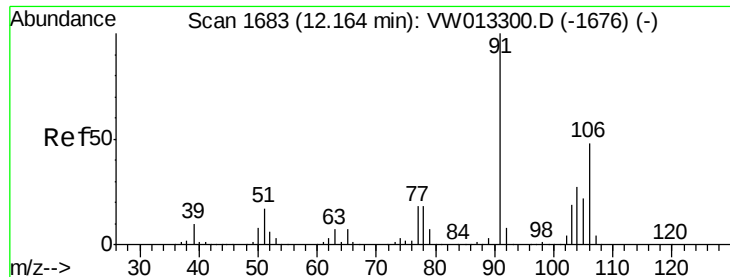
Tgt Ion: 91 Resp: 765057
Ion Ratio Lower Upper
91 100
106 31.7 20.8 38.6



#54
m,p-Xylene
Concen: 26.512 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW013312.D
Acq: 26 Sep 2019 18:44

Tgt Ion: 106 Resp: 293537
Ion Ratio Lower Upper
106 100
91 194.7 138.3 256.9





#55

o-xylene

Concen: 26.530 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW013312.D

Acq: 26 Sep 2019 18:44

Instrument :

MSVOA_W

ClientSampleId :

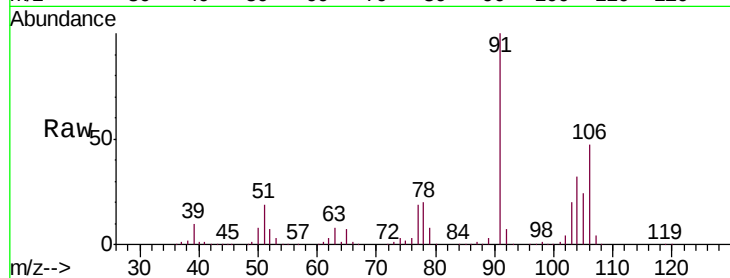
VSTD02507

Tgt Ion:106 Resp: 277180

Ion Ratio Lower Upper

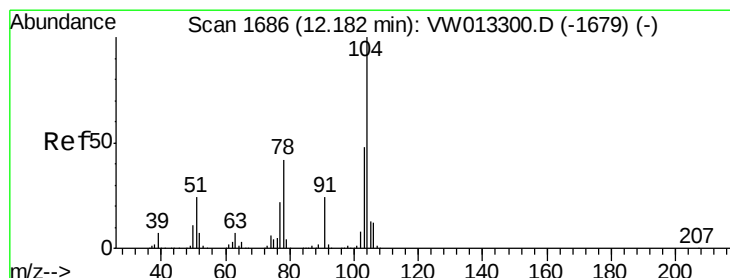
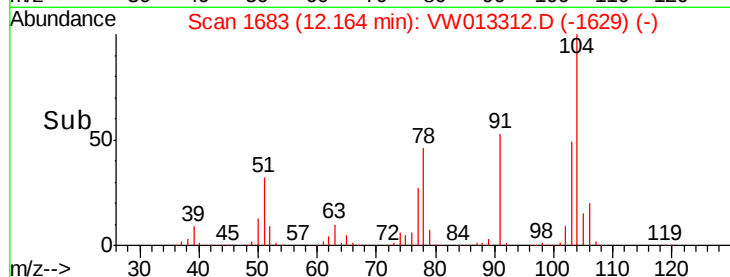
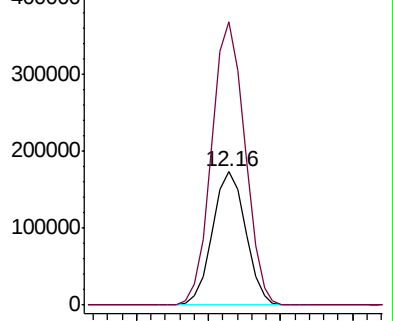
106 100

91 212.8 145.9 271.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.149 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW013312.D

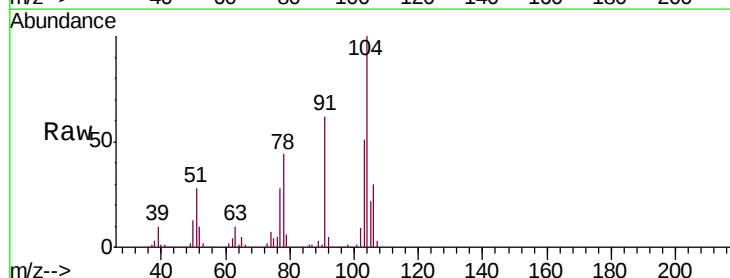
Acq: 26 Sep 2019 18:44

Tgt Ion:104 Resp: 486356

Ion Ratio Lower Upper

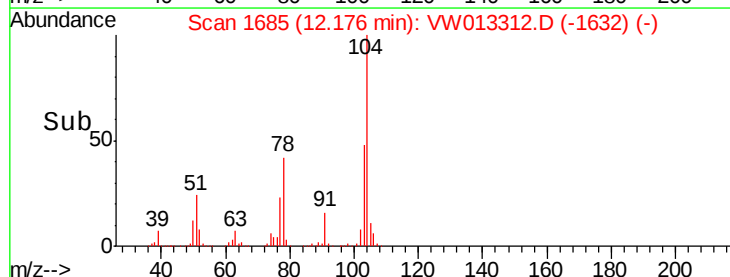
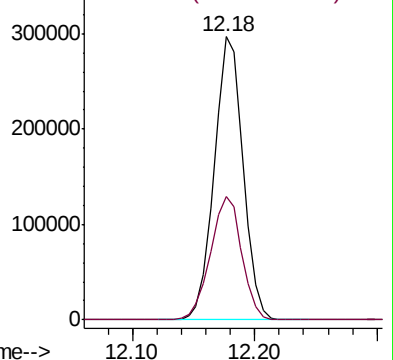
104 100

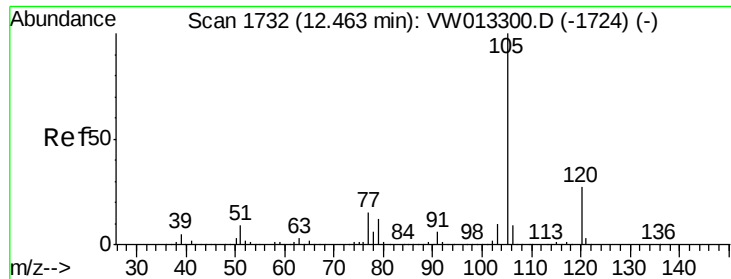
78 43.7 29.8 55.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.909 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013312.D

Acq: 26 Sep 2019 18:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

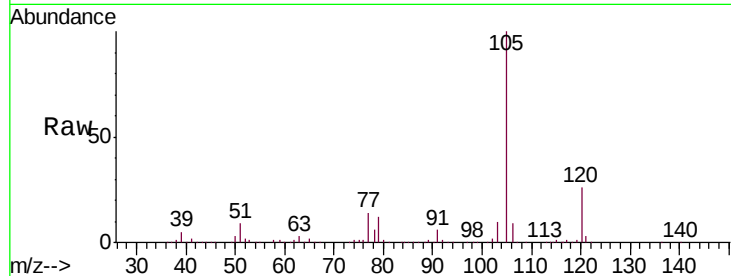
Tgt Ion: 105 Resp: 760209

Ion Ratio Lower Upper

105 100

120 26.2 21.4 32.2

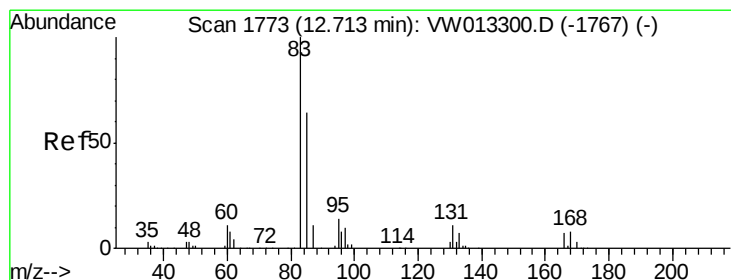
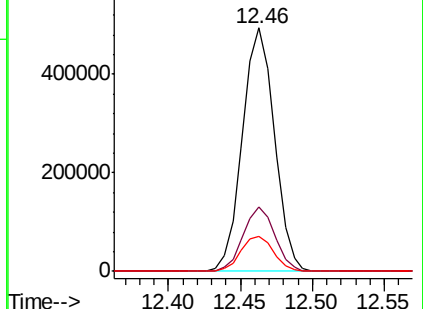
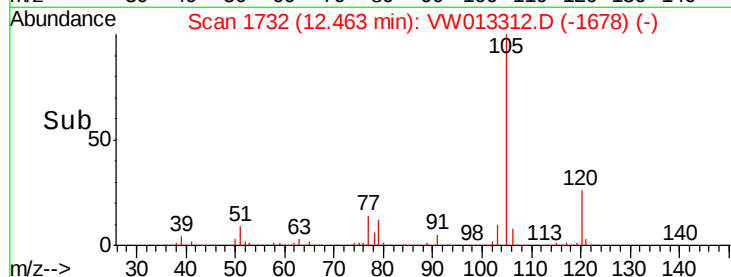
77 14.8 11.8 17.6



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: 27.279 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013312.D

Acq: 26 Sep 2019 18:44

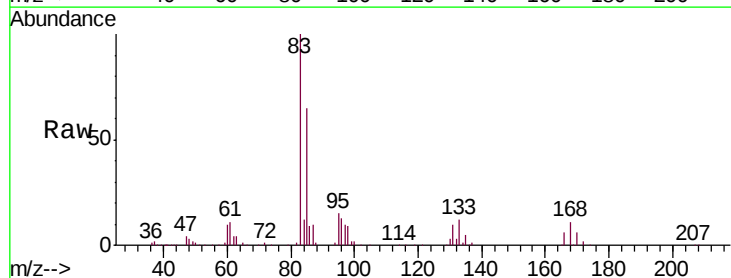
Tgt Ion: 83 Resp: 154786

Ion Ratio Lower Upper

83 100

85 65.2 45.2 84.0

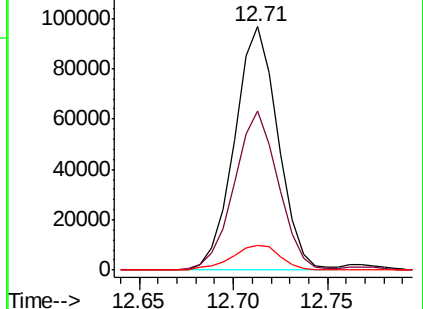
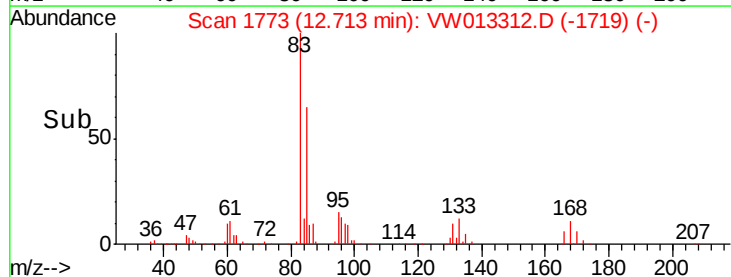
131 10.0 8.9 13.3

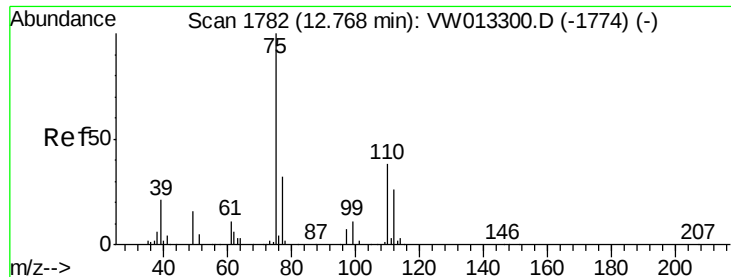


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

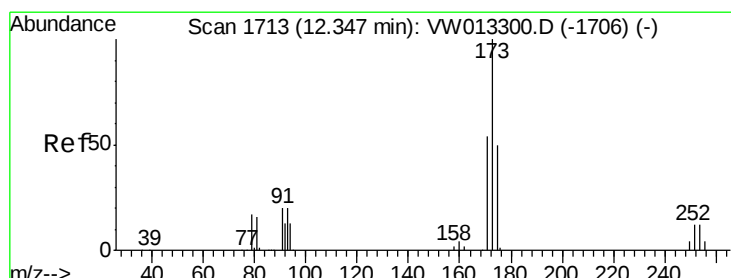
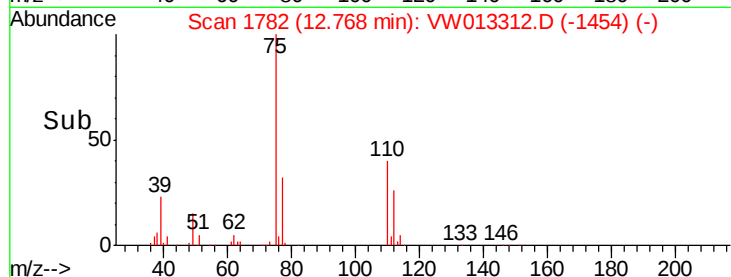
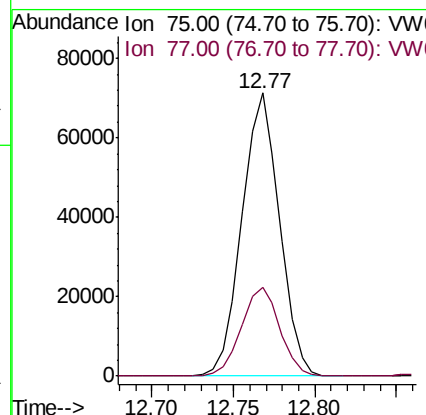
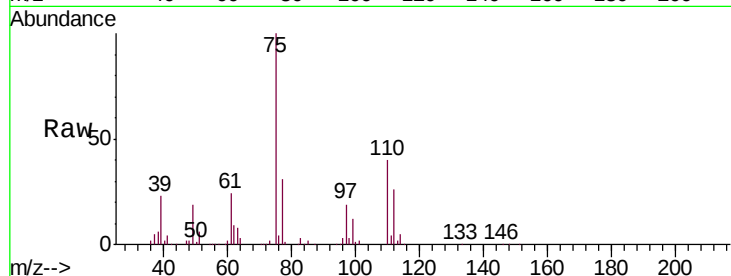




#59
 1,2,3-Trichloropropane
 Concen: 27.023 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW013312.D
 Acq: 26 Sep 2019 18:44

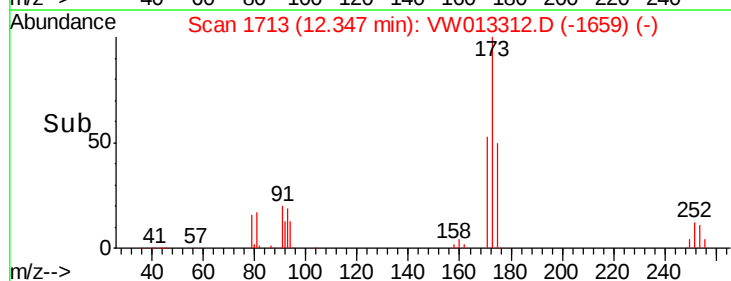
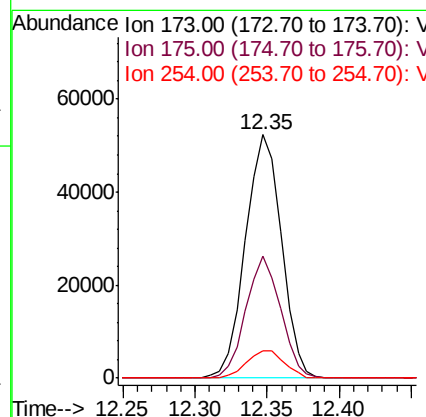
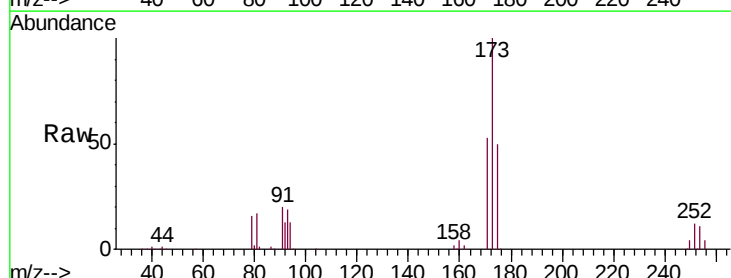
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

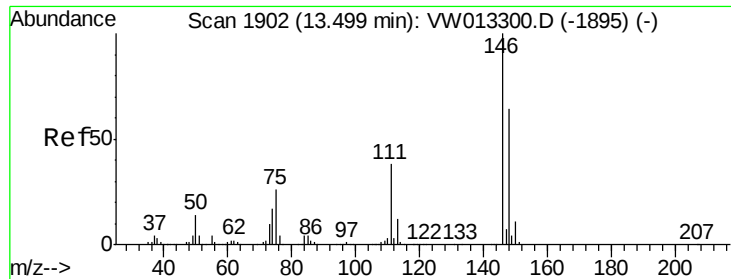
Tgt Ion: 75 Resp: 114420
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.8 38.8



#62
 Bromoform
 Concen: 25.911 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW013312.D
 Acq: 26 Sep 2019 18:44

Tgt Ion: 173 Resp: 90973
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.3 58.9
 254 11.7 9.1 13.7

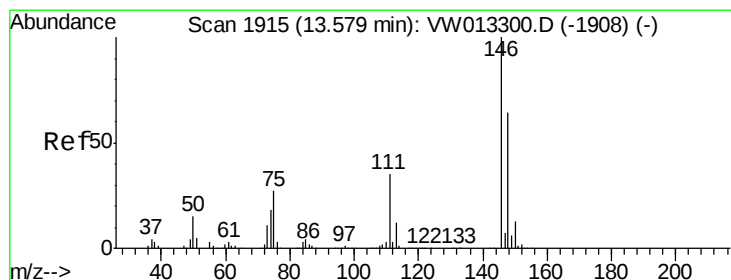
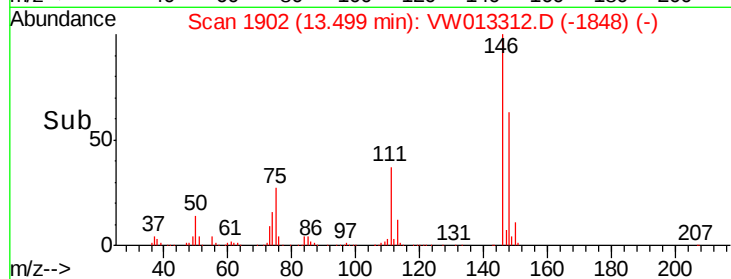
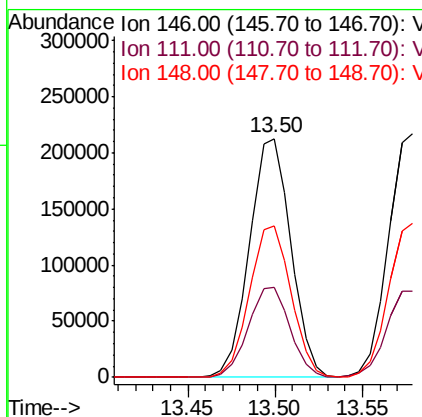
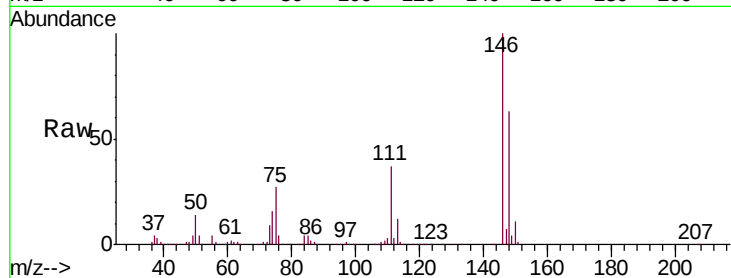




#63
 1,3-Dichlorobenzene
 Concen: 25.823 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013312.D
 Acq: 26 Sep 2019 18:44

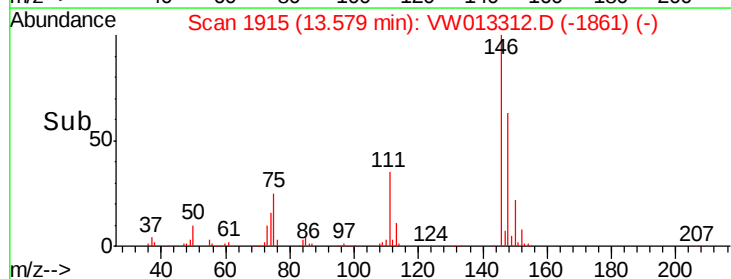
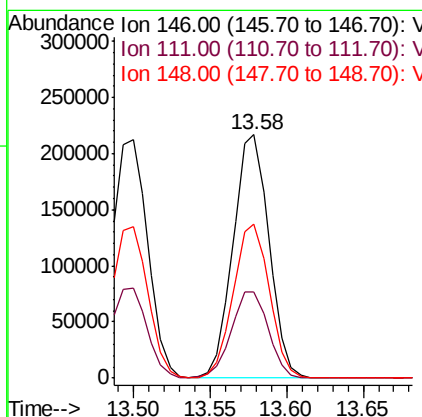
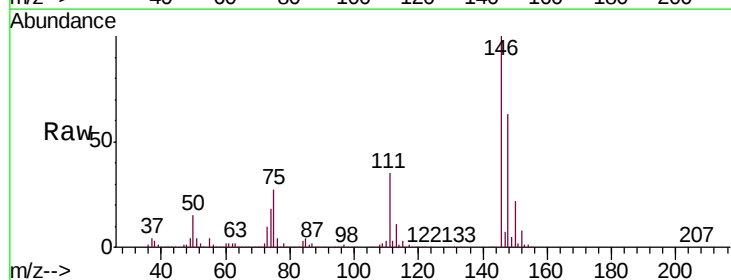
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

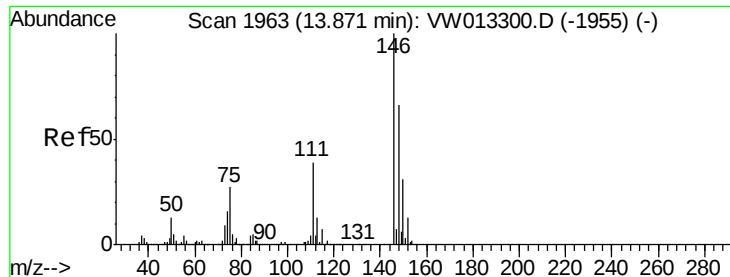
Tgt Ion:146 Resp: 352651
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.7 49.5
 148 63.5 45.0 83.6



#64
 1,4-Dichlorobenzene
 Concen: 25.597 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013312.D
 Acq: 26 Sep 2019 18:44

Tgt Ion:146 Resp: 353205
 Ion Ratio Lower Upper
 146 100
 111 35.3 24.2 45.0
 148 63.4 45.1 83.7

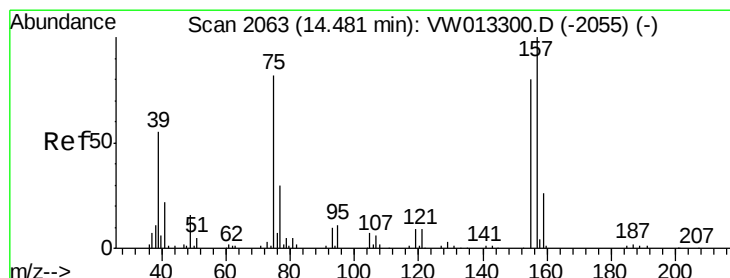
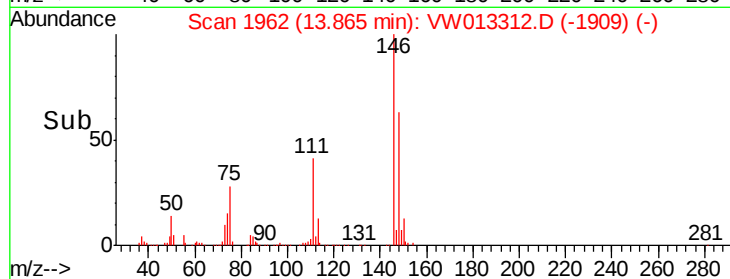
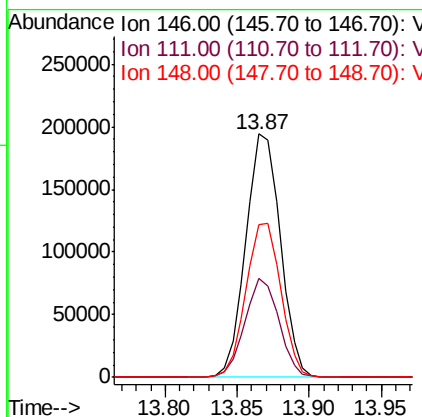
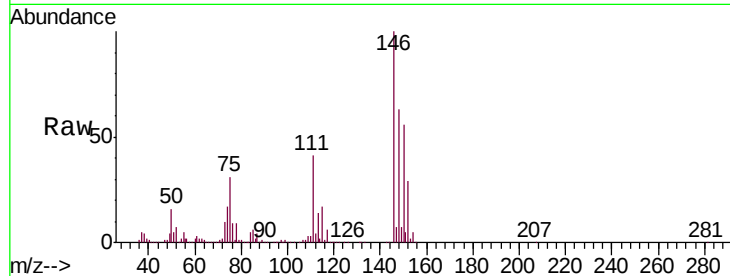




#65
 1,2-Dichlorobenzene
 Concen: 26.021 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW013312.D
 Acq: 26 Sep 2019 18:44

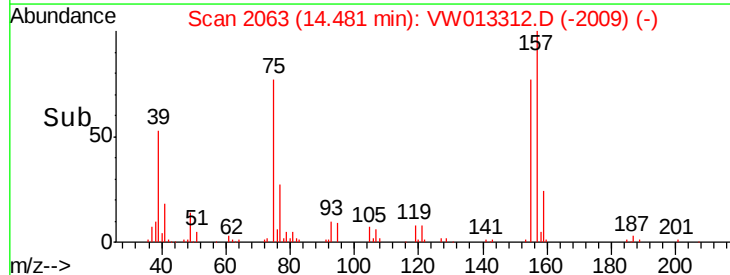
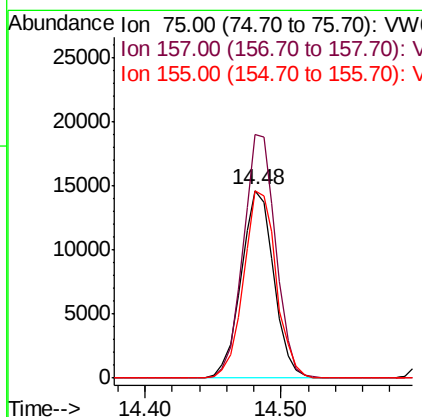
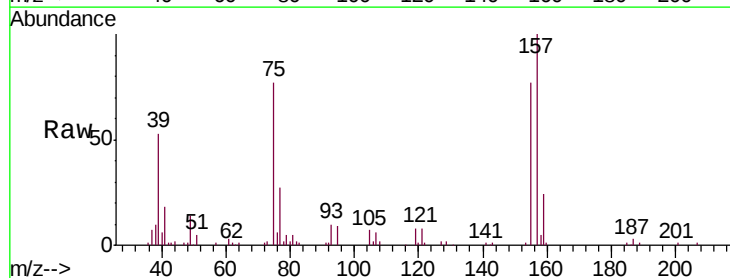
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

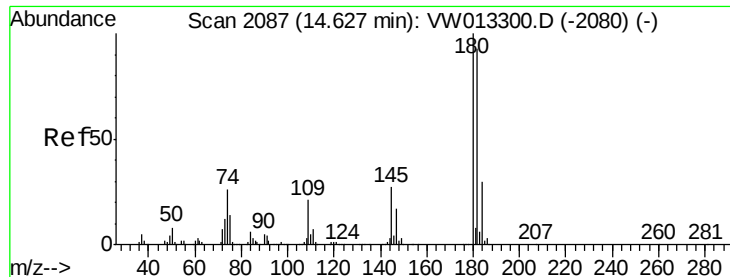
Tgt Ion: 146 Resp: 323332
 Ion Ratio Lower Upper
 146 100
 111 40.8 30.8 46.2
 148 62.7 52.5 78.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.988 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013312.D
 Acq: 26 Sep 2019 18:44

Tgt Ion: 75 Resp: 24453
 Ion Ratio Lower Upper
 75 100
 157 129.8 97.8 146.8
 155 100.1 78.4 117.6

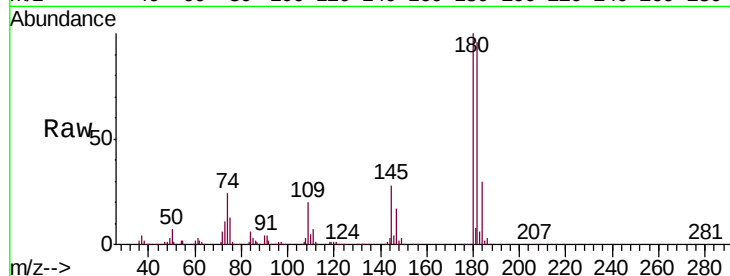




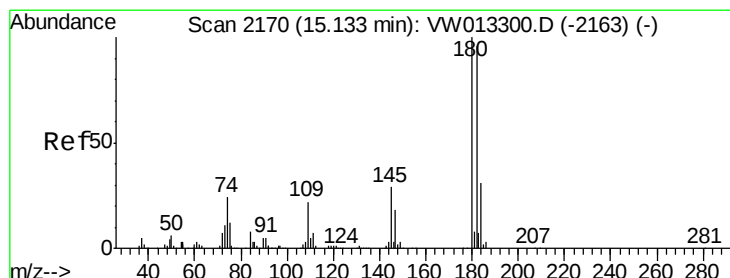
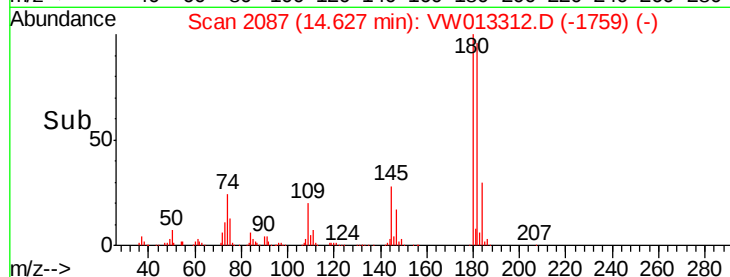
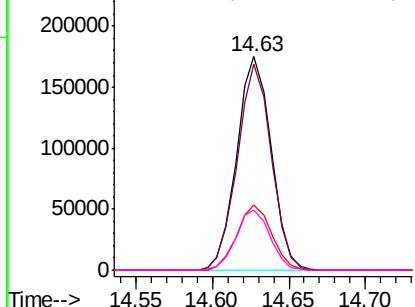
#67
 1,3,5-Trichlorobenzene
 Concen: 26.039 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW013312.D
 Acq: 26 Sep 2019 18:44

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02507

Tgt Ion:	180	Resp:	273800
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.4	114.6
184	30.4	23.9	35.9
145	27.9	21.7	32.5

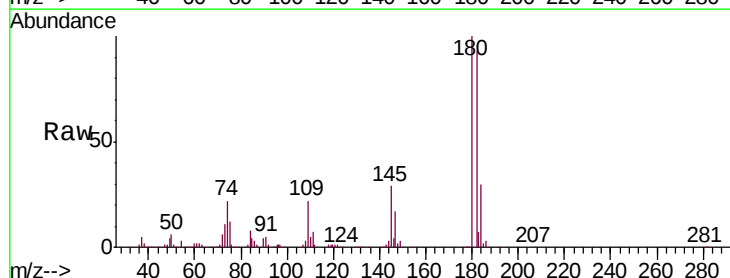


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

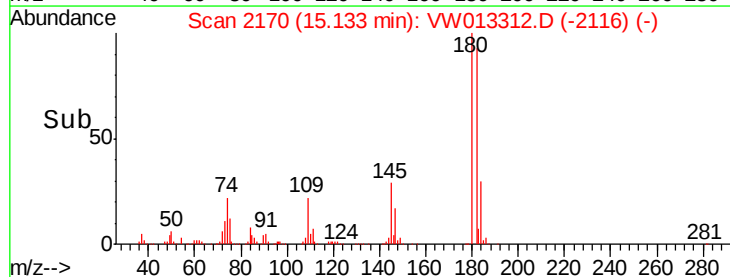
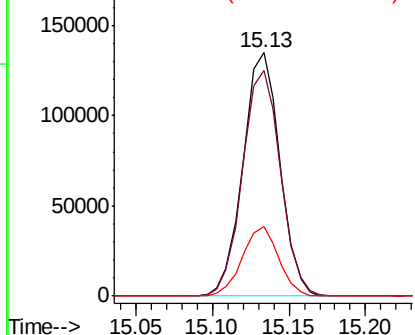


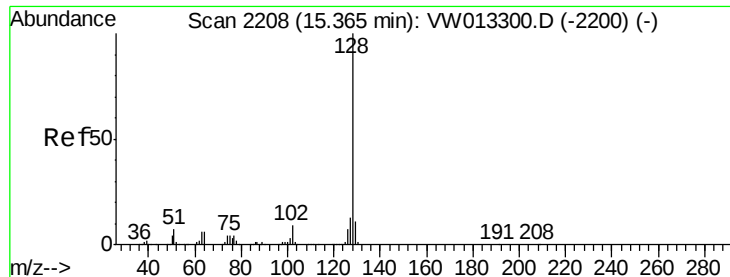
#68
 1,2,4-trichlorobenzene
 Concen: 27.034 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013312.D
 Acq: 26 Sep 2019 18:44

Tgt Ion:	180	Resp:	226909
Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.9	113.9
145	28.1	23.0	34.4



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





#69

Naphthalene

Concen: 27.892 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013312.D

Acq: 26 Sep 2019 18:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

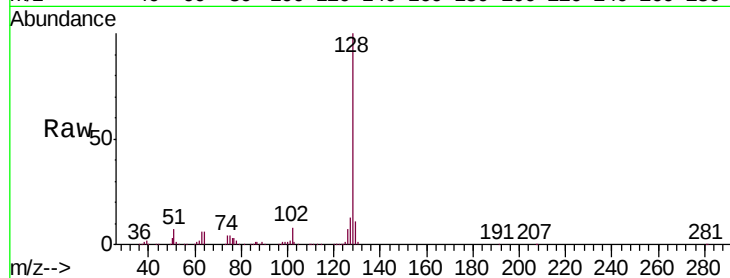
Tgt Ion:128 Resp: 447267

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

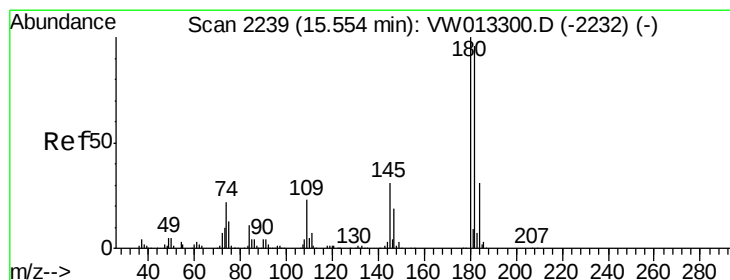
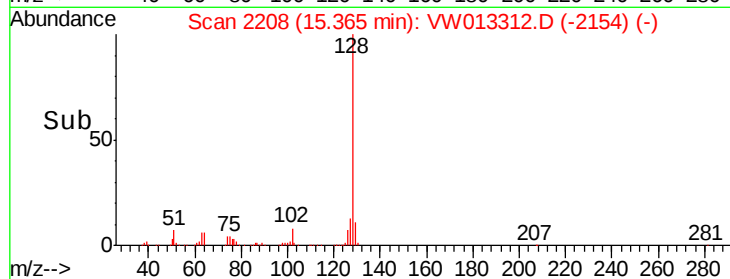
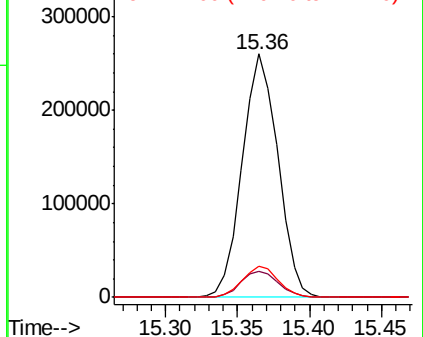
127 12.8 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.836 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013312.D

Acq: 26 Sep 2019 18:44

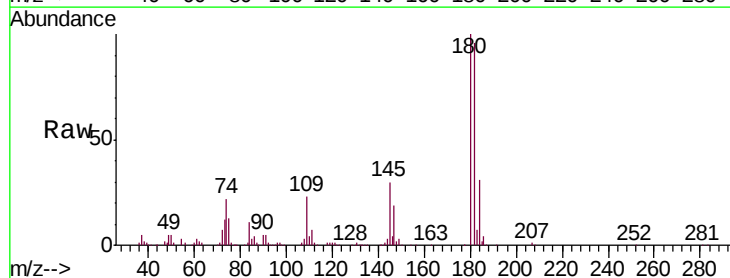
Tgt Ion:180 Resp: 204860

Ion Ratio Lower Upper

180 100

182 94.9 78.2 117.4

145 29.8 24.1 36.1



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

