

Data File : VW011298.D
Acq On : 17 Jul 2019 09:36
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

Quant Time: Jul 18 04:55:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 17 07:20:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	359542	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	325036	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	160338	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	112902	20.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.24%
7) Chloroethane-d5	2.89	69	85092	22.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.36%
10) 1,1-Dichloroethene-d2	4.02	63	256972	22.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.40%
20) 2-Butanone-d5	7.07	46	109599	50.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.36%
24) Chloroform-d	7.65	84	232703	23.61	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.44%
26) 1,2-Dichloroethane-d4	8.30	65	140611	23.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.68%
29) Benzene-d6	8.27	84	457726	22.86	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.44%
33) 1,2-Dichloropropane-d6	9.27	67	155380	23.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.32%
37) Toluene-d8	10.32	98	404070	22.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.56%
38) trans-1,3-Dichloropropene-	10.57	79	64724	23.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.36%
39) 2-Hexanone-d5	10.92	63	75871	50.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	135221	25.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	142888	23.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	110876	25.073 ug/L	97
3) Chloromethane	2.21	50	104017	21.666 ug/L	100
5) Vinyl chloride	2.36	62	142953	22.814 ug/L	98
6) Bromomethane	2.78	94	67242	22.937 ug/L	100
8) Chloroethane	2.92	64	78301	24.723 ug/L	99
9) Trichlorofluoromethane	3.25	101	55565	25.899 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	120439	25.194 ug/L	99
12) 1,1-Dichloroethene	4.04	96	112821	23.878 ug/L	85
13) Acetone	4.12	43	93112	44.080 ug/L	99
14) Carbon disulfide	4.38	76	306637	22.687 ug/L	100
15) Methyl Acetate	4.67	43	86287	25.104 ug/L	100
16) Methylene chloride	4.92	84	123928	23.456 ug/L	98
17) Methyl tert-butyl Ether	5.42	73	190276	25.968 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	113372	23.745 ug/L	98
19) 1,1-Dichloroethane	6.21	63	243203	25.091 ug/L	98
21) 2-Butanone	7.17	43	132261	48.503 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	126682	24.512 ug/L	97

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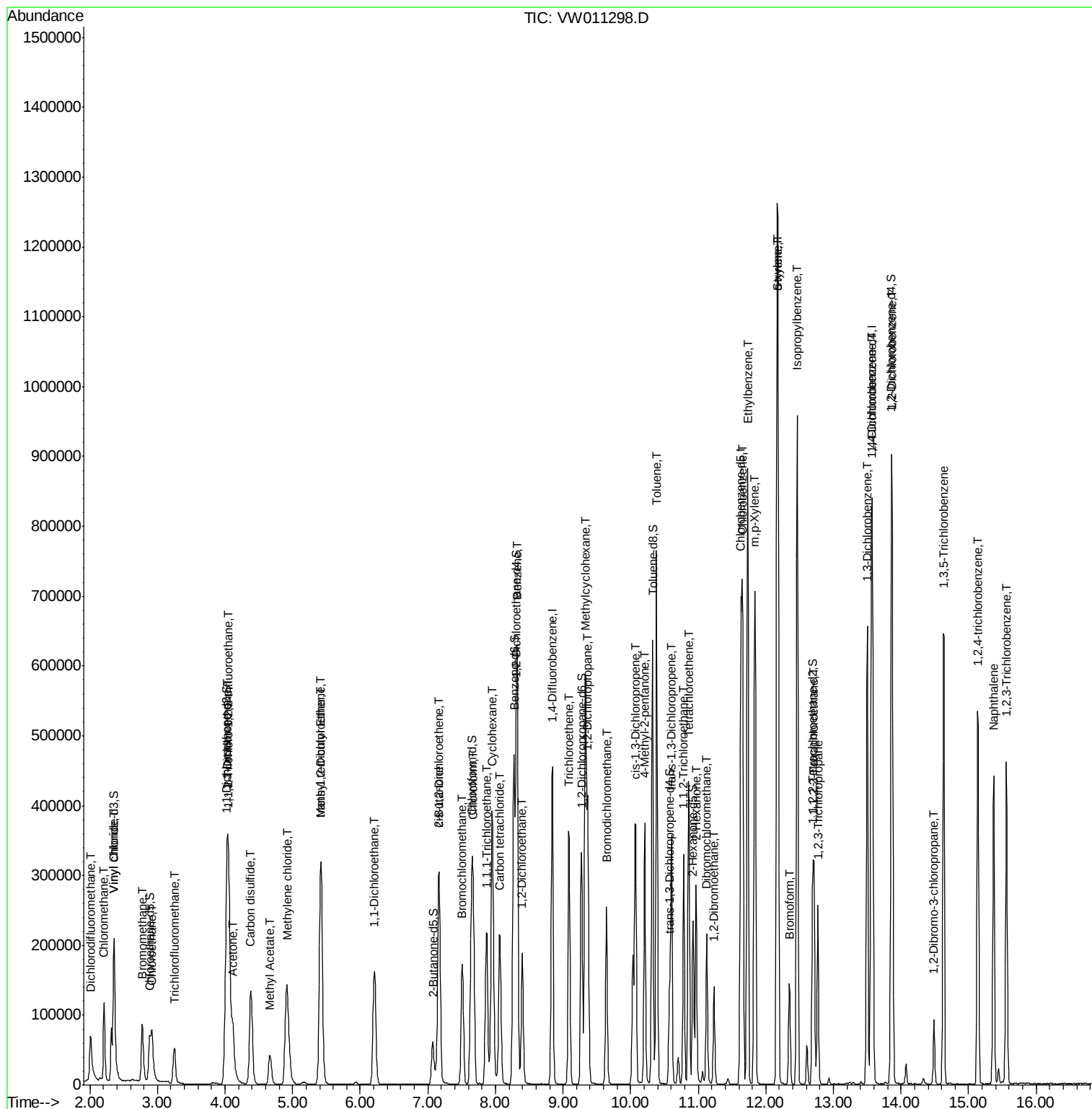
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	53903	24.857	ug/L	96
25) Chloroform	7.67	83	228831	24.924	ug/L	100
27) 1,2-Dichloroethane	8.40	62	173188	24.677	ug/L	99
30) Cyclohexane	7.95	56	231797	23.456	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	172376	25.552	ug/L	99
32) Carbon tetrachloride	8.07	117	160912	25.434	ug/L	98
34) Benzene	8.32	78	503352	24.778	ug/L	100
35) Trichloroethene	9.09	95	125259	24.434	ug/L	100
36) Methylcyclohexane	9.33	83	219559	23.800	ug/L	100
40) 1,2-Dichloropropane	9.37	63	142017	25.513	ug/L	100
41) Bromodichloromethane	9.64	83	166639	25.966	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	211127	25.706	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	259682	50.324	ug/L	100
44) Toluene	10.38	91	527092	25.068	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	176001	25.898	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	99473	25.805	ug/L	100
47) Tetrachloroethene	10.86	164	94383	24.361	ug/L	98
49) 2-Hexanone	10.97	43	190835	50.807	ug/L	98
50) Dibromochloromethane	11.13	129	109978	26.792	ug/L	99
51) 1,2-Dibromoethane	11.23	107	93726	25.181	ug/L	95
52) Chlorobenzene	11.66	112	320207	24.927	ug/L	99
53) Ethylbenzene	11.73	91	593077	24.867	ug/L	100
54) m,p-Xylene	11.84	106	218183	25.196	ug/L	96
55) o-xylene	12.16	106	208495	25.311	ug/L	98
56) Styrene	12.18	104	365741	25.882	ug/L	99
57) Isopropylbenzene	12.46	105	579143	25.755	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	133932	26.117	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	102563	26.043	ug/L	100
62) Bromoform	12.35	173	64202	26.867	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	250671	25.411	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	255202	25.272	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	236743	25.783	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	23114	25.639	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	196206	26.251	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	164956	26.344	ug/L	98
69) Naphthalene	15.37	128	354520	27.035	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	152789	26.669	ug/L	99

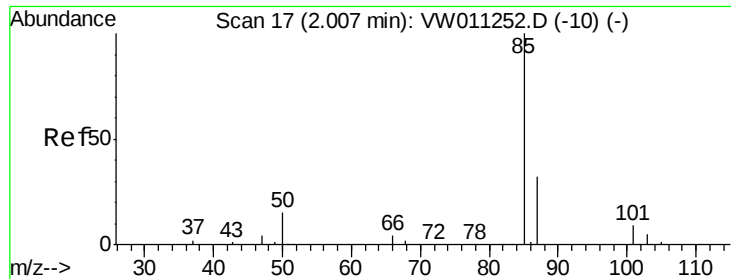
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.073 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011298.D

Acq: 17 Jul 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

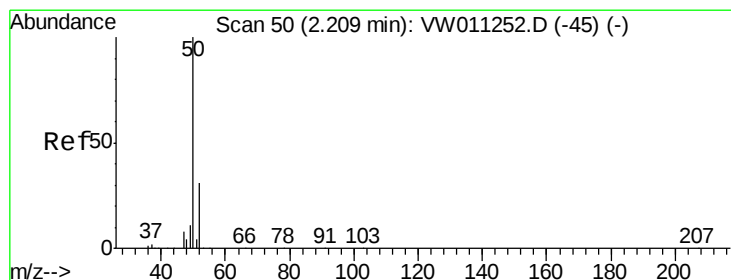
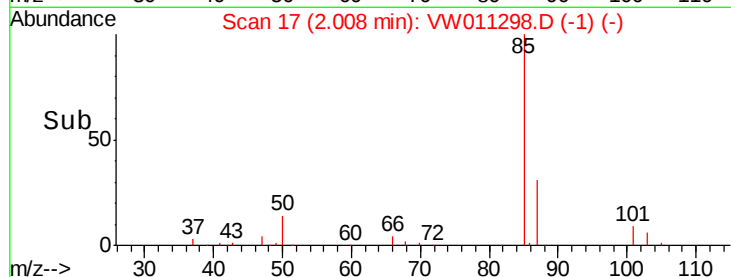
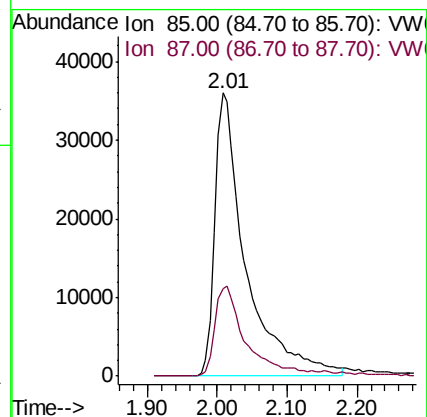
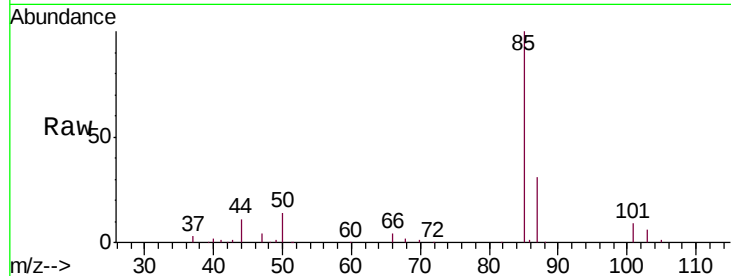
VSTD02510

Tgt Ion: 85 Resp: 110876

Ion Ratio Lower Upper

85 100

87 31.4 20.6 38.4



#3

Chloromethane

Concen: 21.666 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011298.D

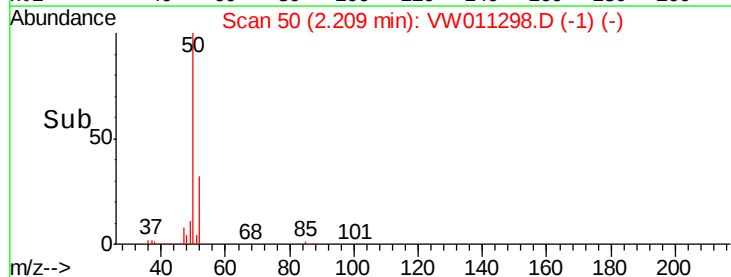
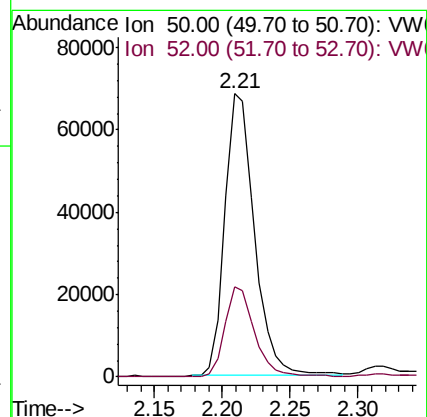
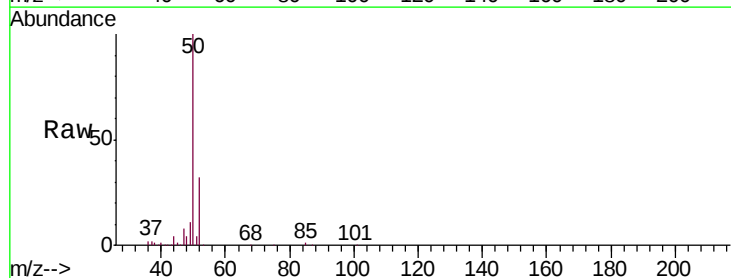
Acq: 17 Jul 2019 09:36

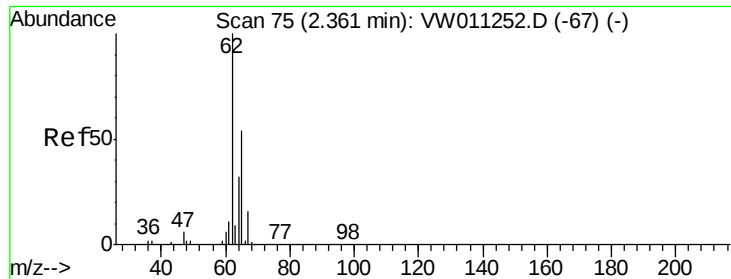
Tgt Ion: 50 Resp: 104017

Ion Ratio Lower Upper

50 100

52 31.9 22.3 41.5





#5

Vinyl chloride

Concen: 22.814 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011298.D

Acq: 17 Jul 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

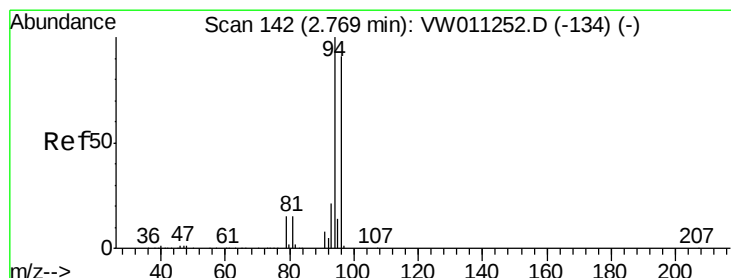
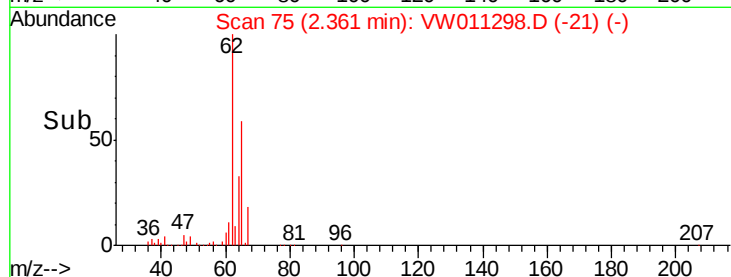
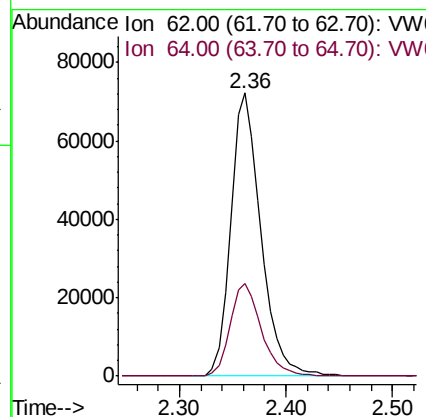
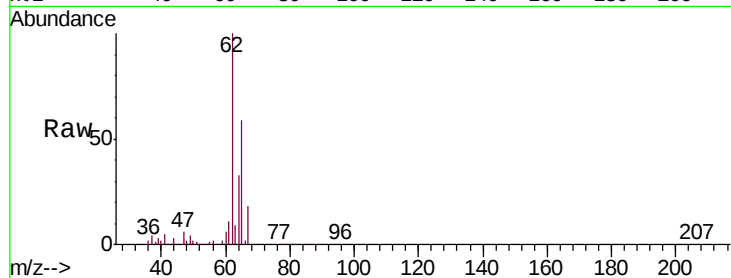
VSTD02510

Tgt Ion: 62 Resp: 142953

Ion Ratio Lower Upper

62 100

64 32.8 23.9 44.3



#6

Bromomethane

Concen: 22.937 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW011298.D

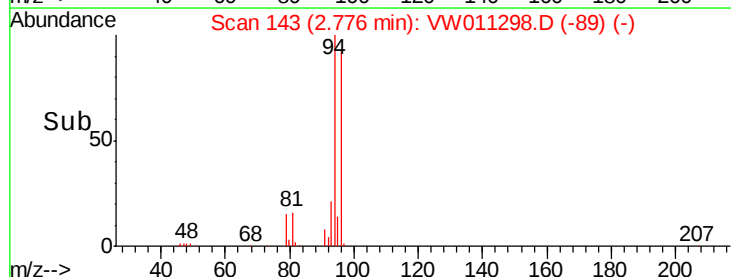
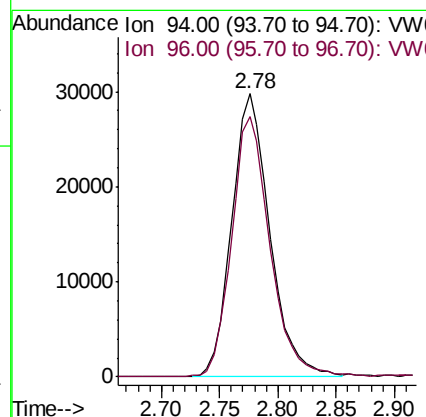
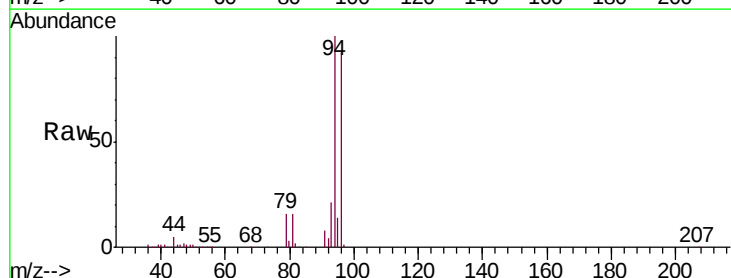
Acq: 17 Jul 2019 09:36

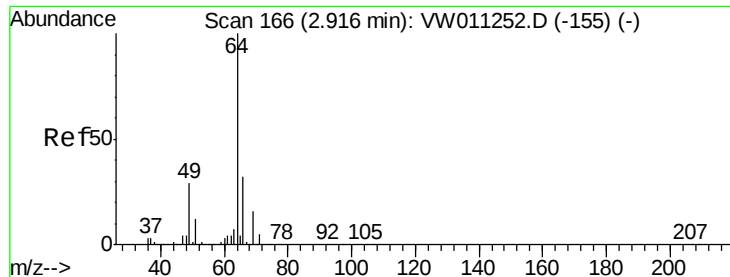
Tgt Ion: 94 Resp: 67242

Ion Ratio Lower Upper

94 100

96 93.7 9.3 177.3





#8

Chloroethane

Concen: 24.723 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW011298.D

Acq: 17 Jul 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

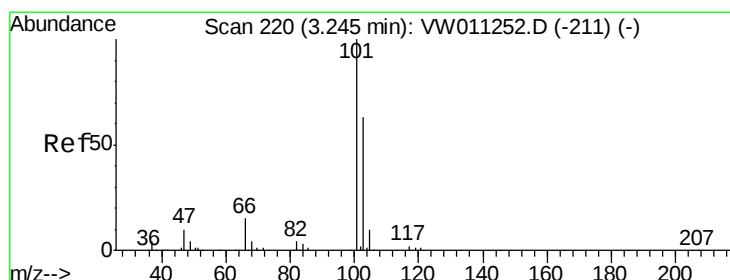
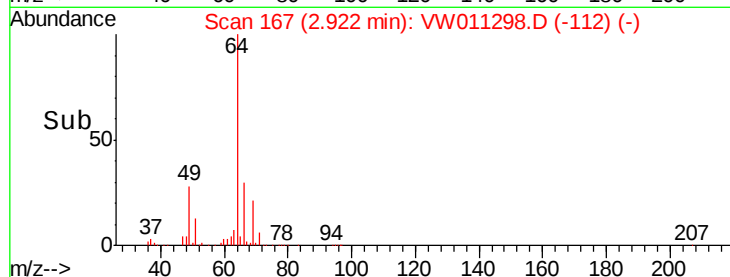
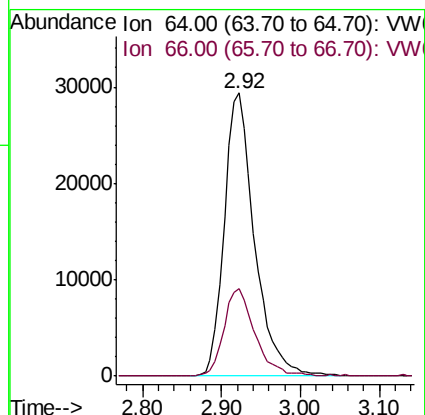
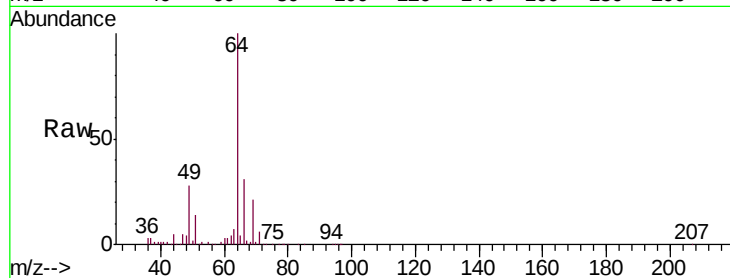
VSTD02510

Tgt Ion: 64 Resp: 78301

Ion Ratio Lower Upper

64 100

66 30.8 21.9 40.7



#9

Trichlorofluoromethane

Concen: 25.899 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.01 min

Lab File: VW011298.D

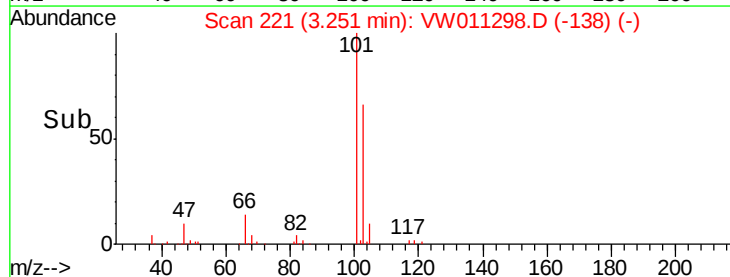
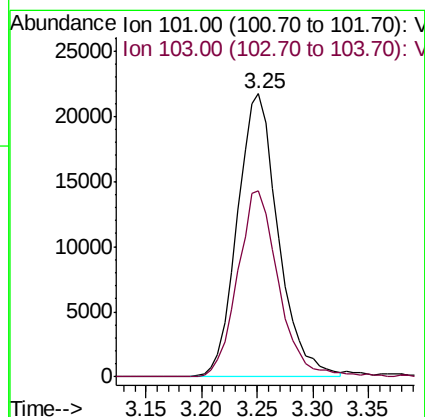
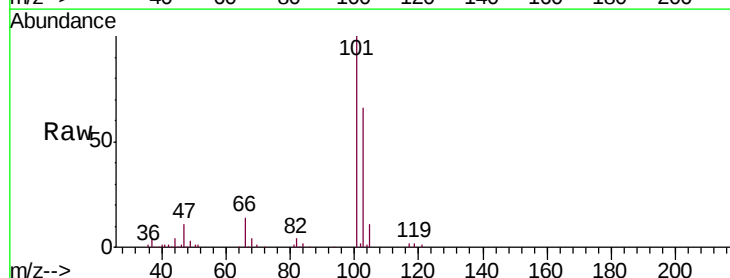
Acq: 17 Jul 2019 09:36

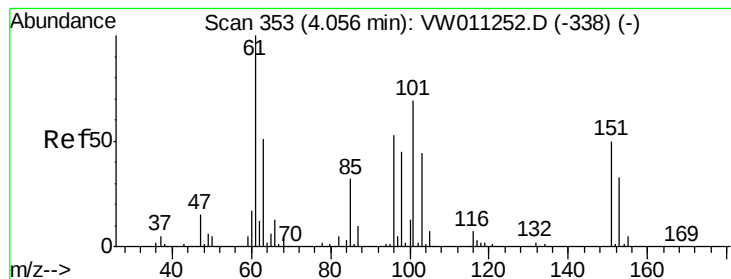
Tgt Ion: 101 Resp: 55565

Ion Ratio Lower Upper

101 100

103 65.8 44.6 82.8





#11

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

Concen: 25.194 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011298.D

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ClientSampleId :

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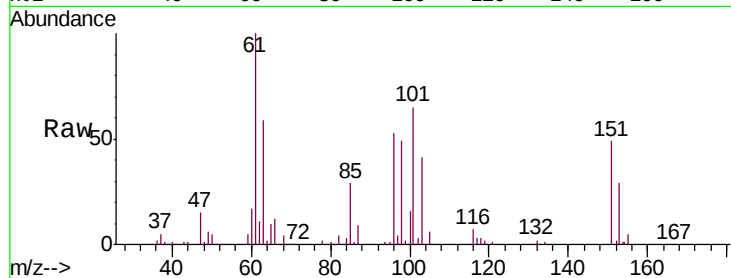
Tgt Ion: 101 Resp: 120439

Ion Ratio Lower Upper

101 100

85 43.1 33.8 50.8

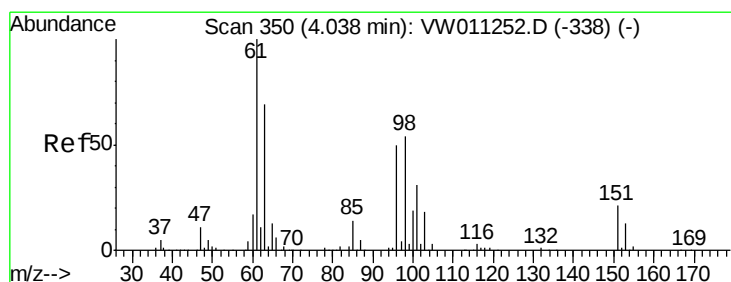
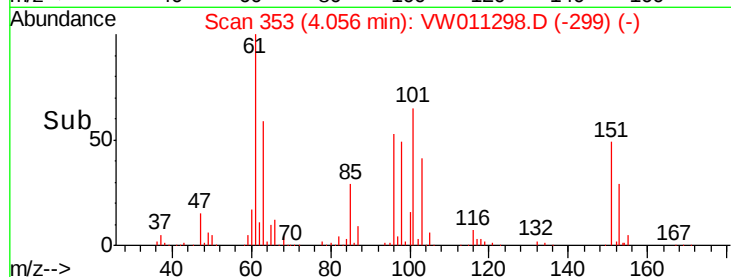
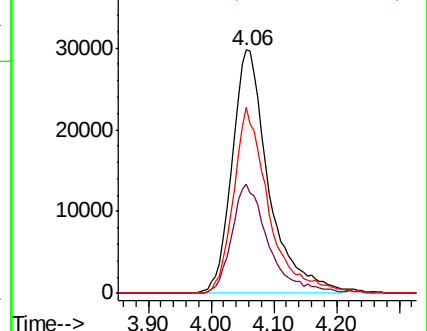
151 70.6 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.878 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

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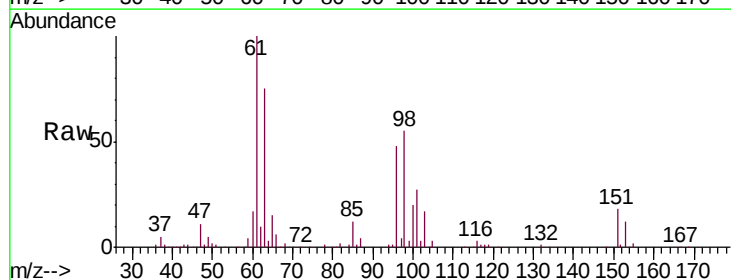
Tgt Ion: 96 Resp: 112821

Ion Ratio Lower Upper

96 100

61 207.3 142.2 264.0

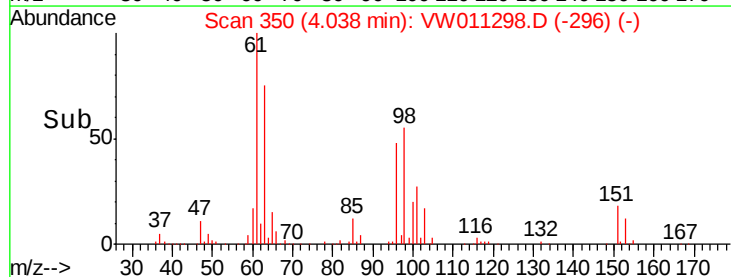
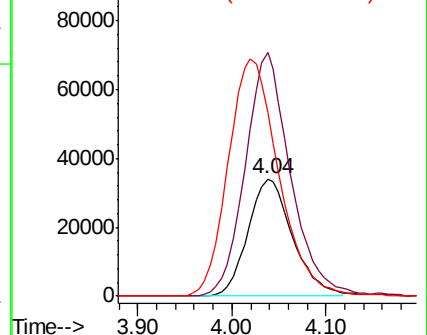
63 156.2 138.9 257.9

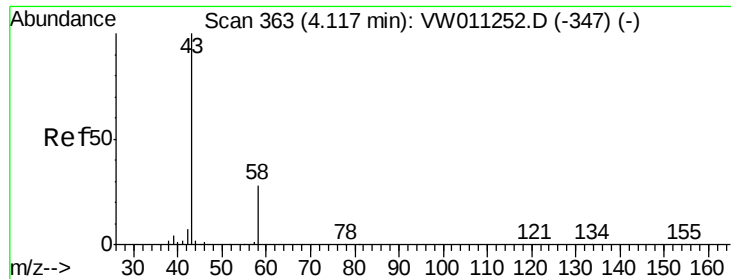


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.080 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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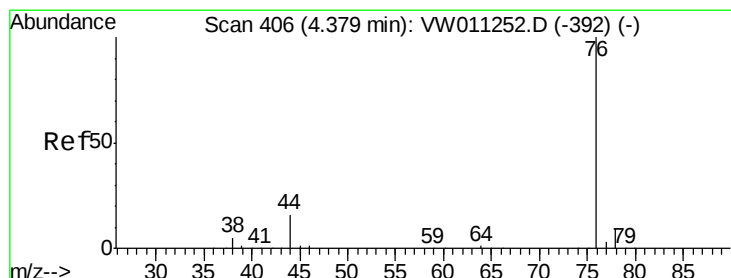
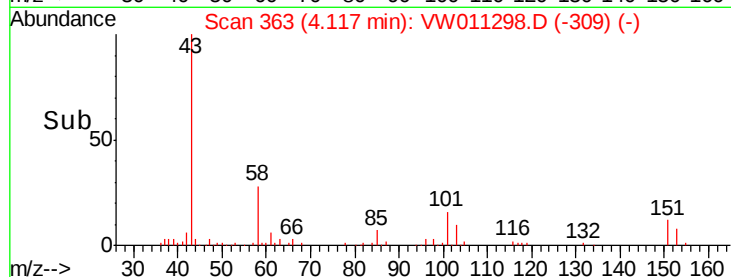
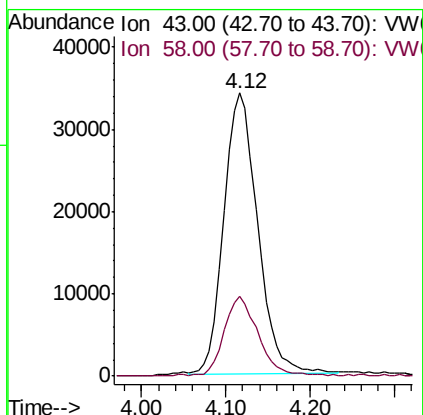
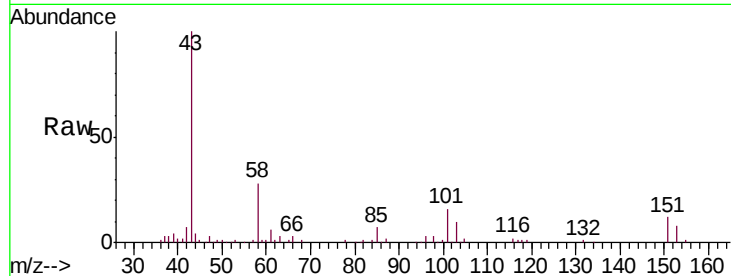
VSTD02510

Tgt Ion: 43 Resp: 93112

Ion Ratio Lower Upper

43 100

58 28.3 0.0 55.0



#14

Carbon disulfide

Concen: 22.687 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW011298.D

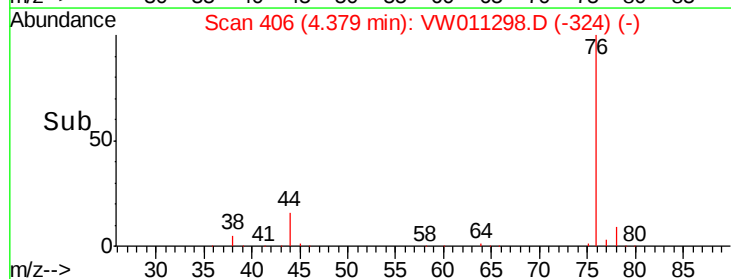
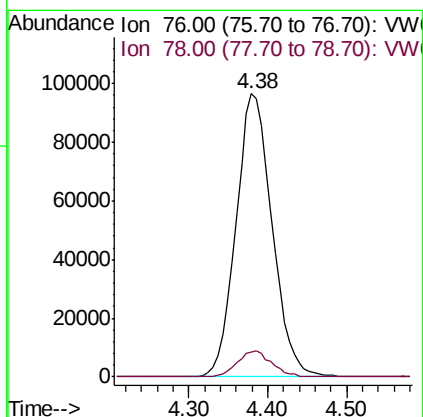
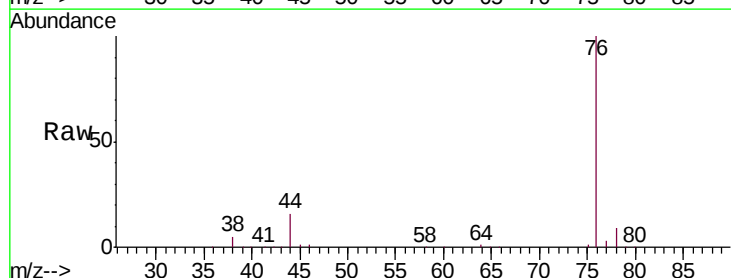
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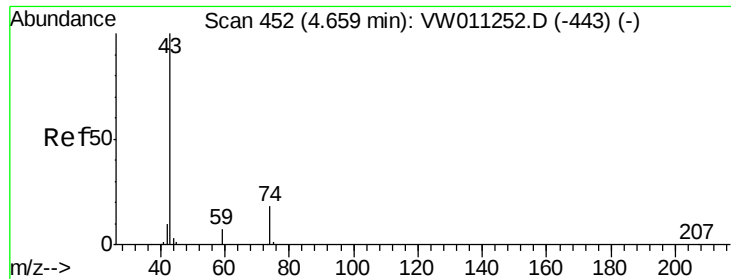
Tgt Ion: 76 Resp: 306637

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

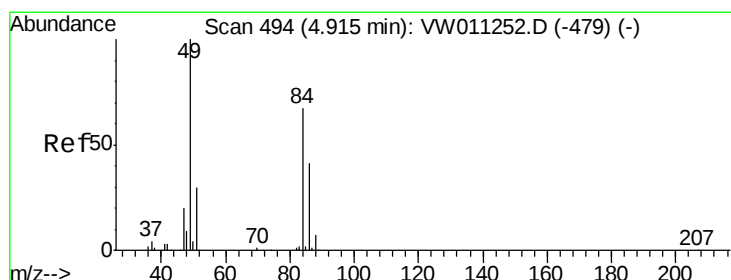
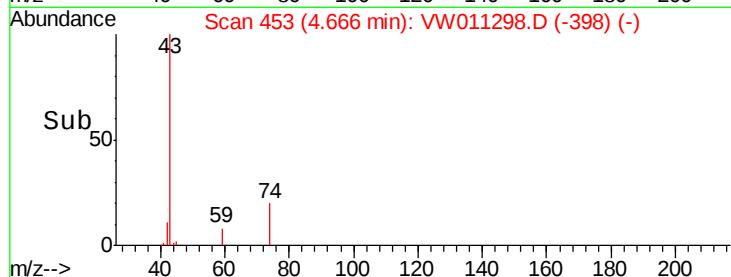
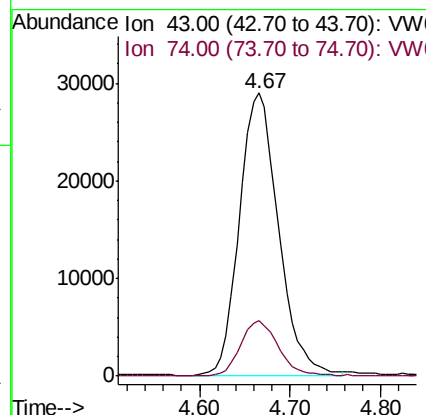
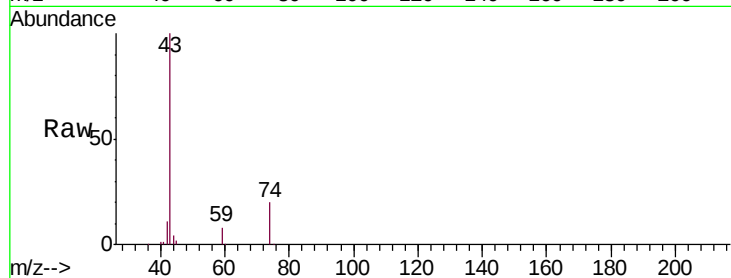




#15
Methyl Acetate
Concen: 25.104 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW011298.D
Acq: 17 Jul 2019 09:36

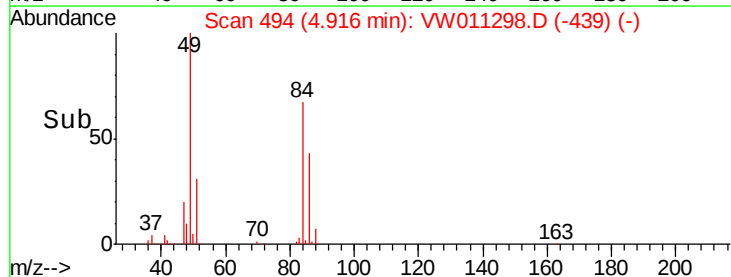
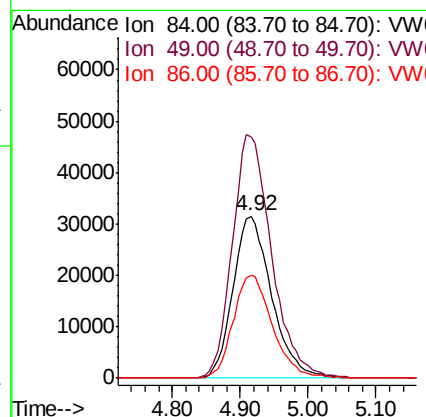
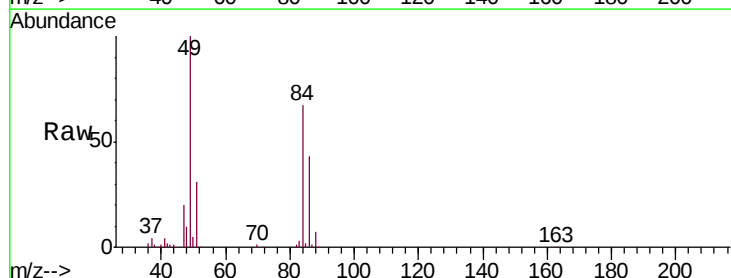
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

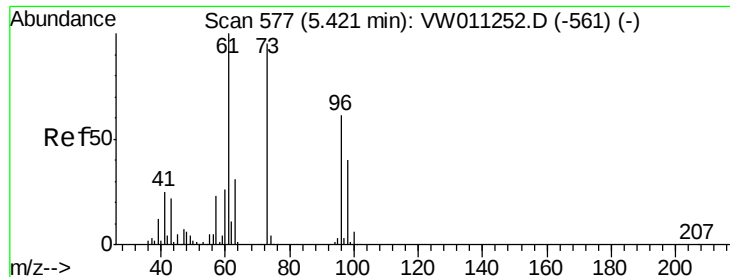
Tgt Ion: 43 Resp: 86287
Ion Ratio Lower Upper
43 100
74 19.0 15.1 22.7



#16
Methylene chloride
Concen: 23.456 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW011298.D
Acq: 17 Jul 2019 09:36

Tgt Ion: 84 Resp: 123928
Ion Ratio Lower Upper
84 100
49 148.5 102.5 190.3
86 63.7 46.4 86.2

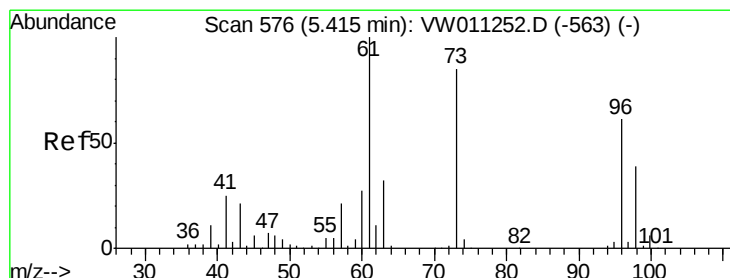
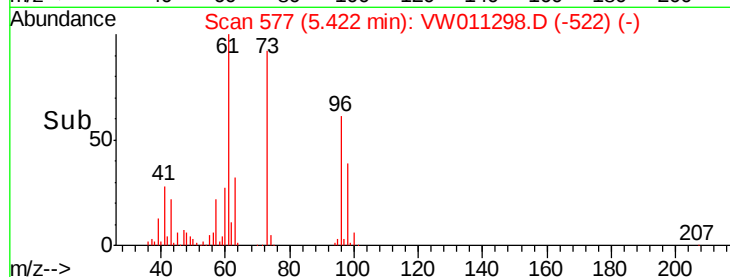
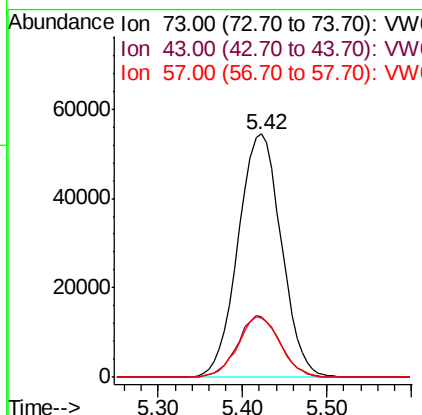
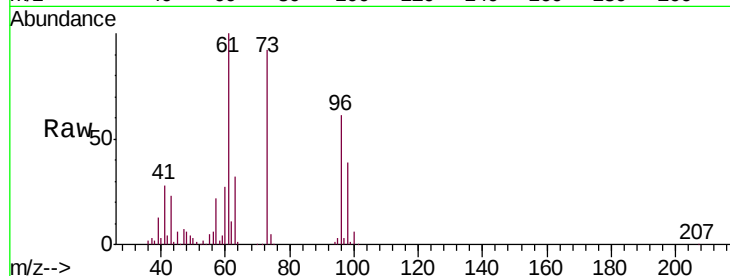




#17
Methyl tert-butyl Ether
Concen: 25.968 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW011298.D
Acq: 17 Jul 2019 09:36

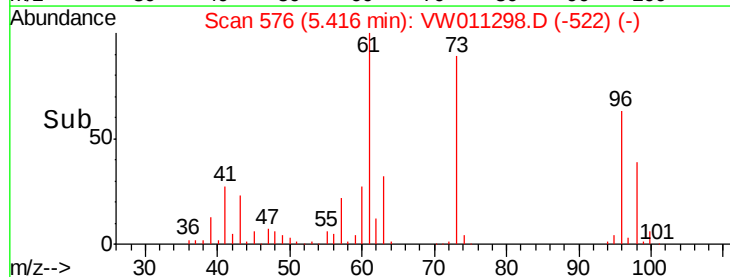
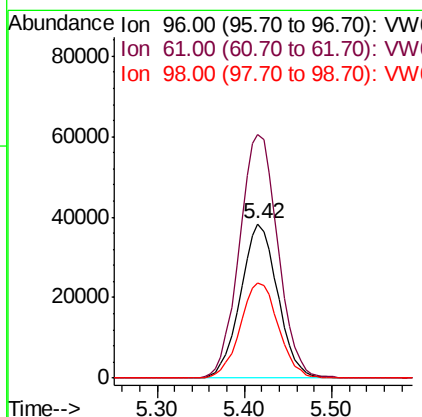
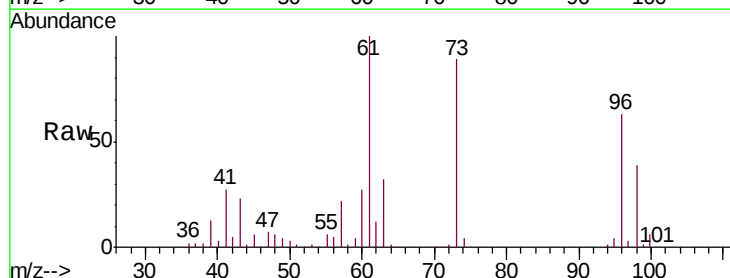
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

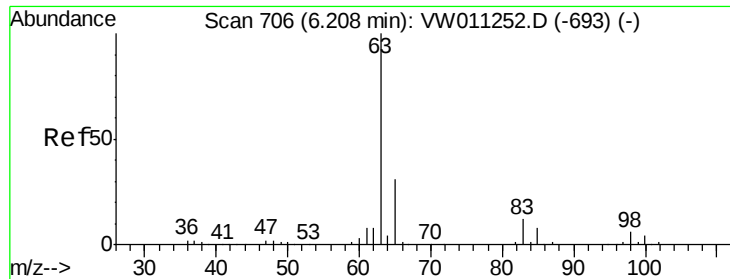
Tgt Ion: 73 Resp: 190276
Ion Ratio Lower Upper
73 100
43 24.5 20.2 30.2
57 24.3 19.6 29.4



#18
trans-1,2-Dichloroethene
Concen: 23.745 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW011298.D
Acq: 17 Jul 2019 09:36

Tgt Ion: 96 Resp: 113372
Ion Ratio Lower Upper
96 100
61 158.1 113.7 211.1
98 62.2 43.3 80.3



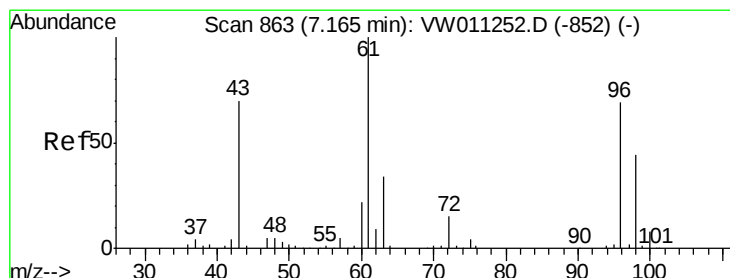
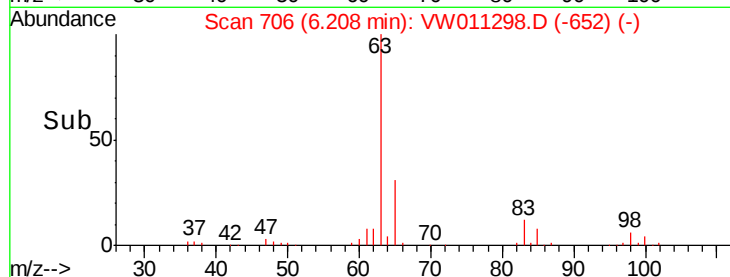
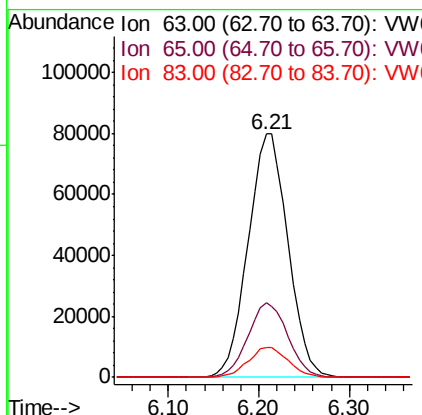
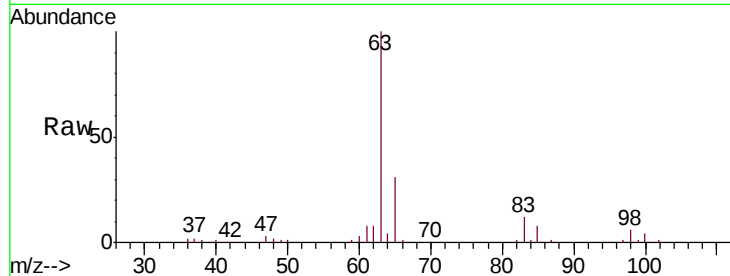


#19
 1,1-Dichloroethane
 Concen: 25.091 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW011298.D
 Acq: 17 Jul 2019 09:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tgt Ion: 63 Resp: 243203

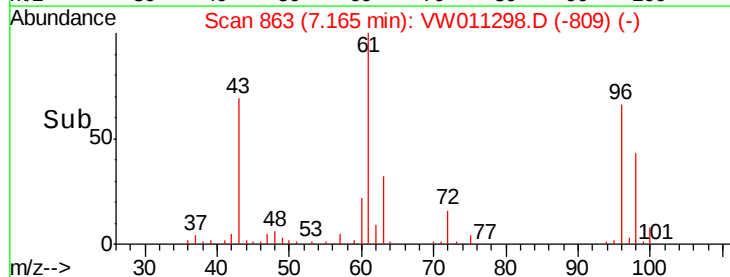
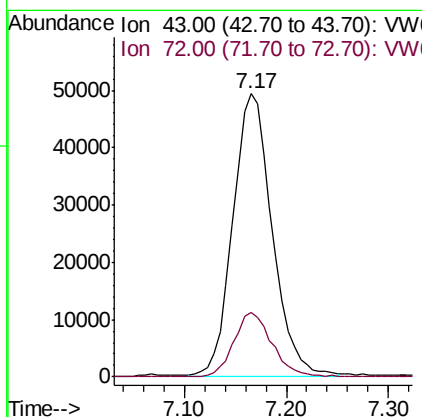
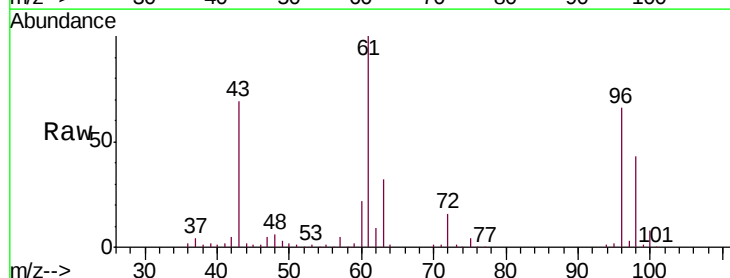
Ion	Ratio	Lower	Upper
63	100		
65	30.6	22.1	41.1
83	12.4	9.0	16.6

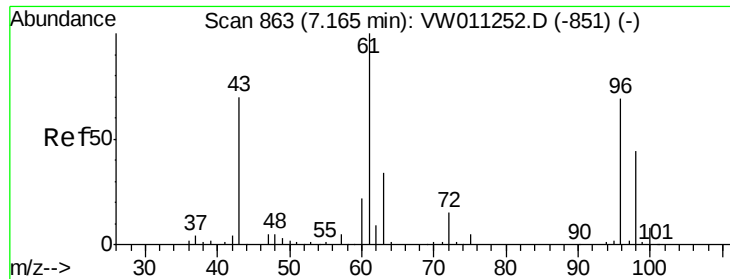


#21
 2-Butanone
 Concen: 48.503 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011298.D
 Acq: 17 Jul 2019 09:36

Tgt Ion: 43 Resp: 132261

Ion	Ratio	Lower	Upper
43	100		
72	22.2	11.2	33.6

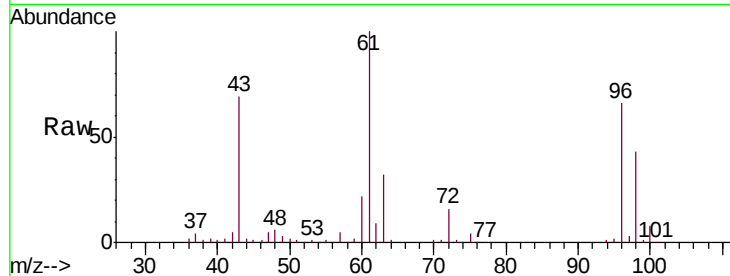




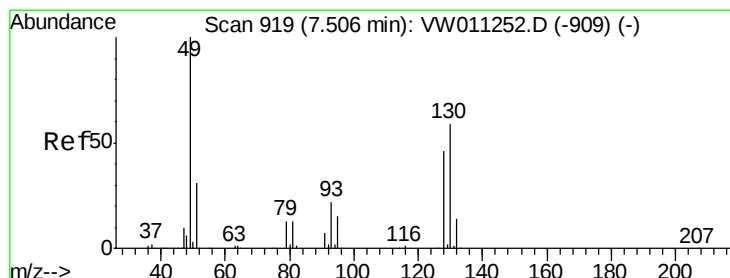
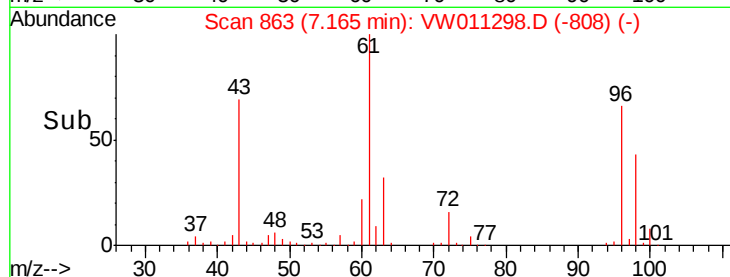
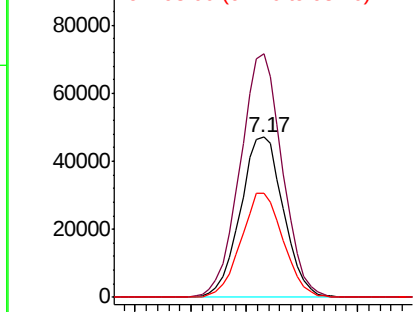
#22
 cis-1,2-Dichloroethene
 Concen: 24.512 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW011298.D
 Acq: 17 Jul 2019 09:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tgt Ion: 96 Resp: 126682
 Ion Ratio Lower Upper
 96 100
 61 152.2 103.2 191.6
 98 64.8 44.8 83.2

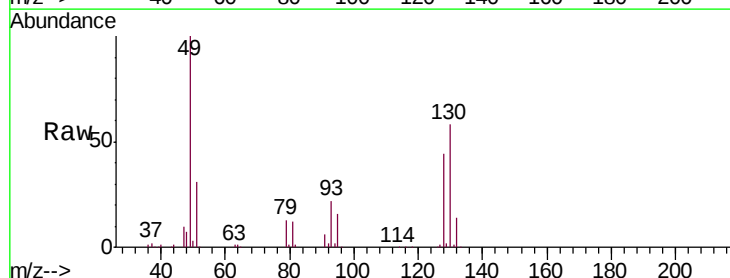


Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW

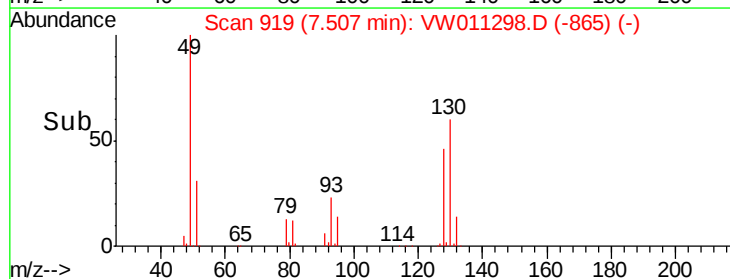
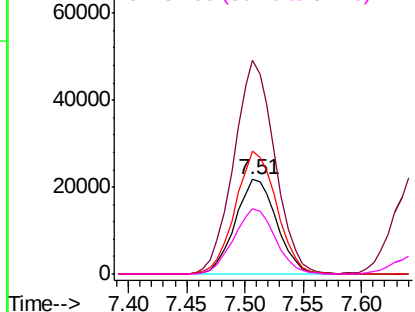


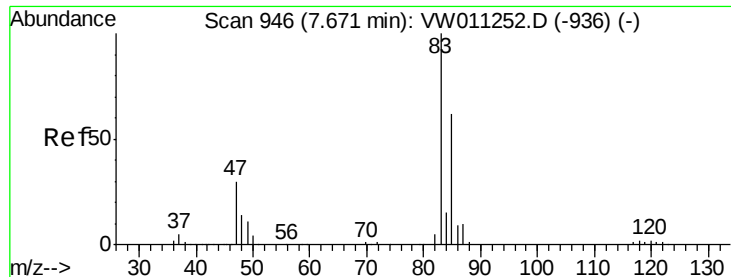
#23
 Bromochloromethane
 Concen: 24.857 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW011298.D
 Acq: 17 Jul 2019 09:36

Tgt Ion: 128 Resp: 53903
 Ion Ratio Lower Upper
 128 100
 49 225.8 153.8 285.6
 130 130.0 86.4 160.4
 51 69.2 56.2 84.4



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

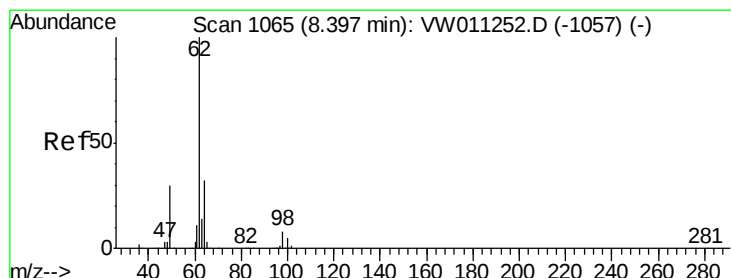
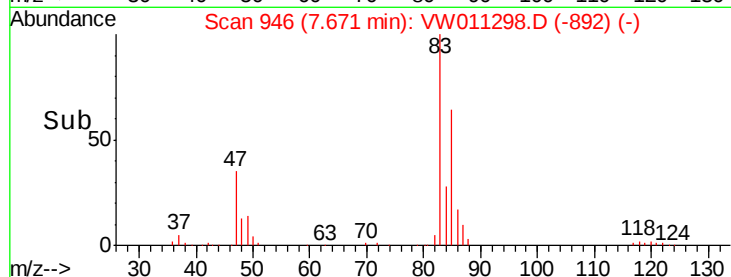
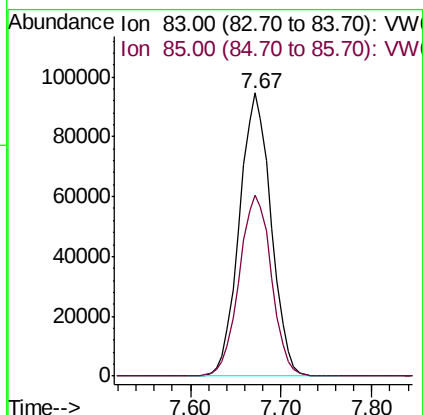
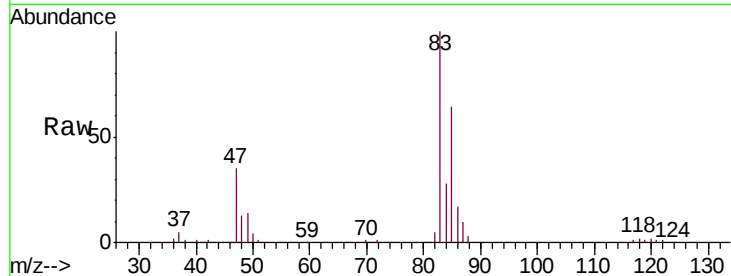




#25
Chloroform
Concen: 24.924 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011298.D
Acq: 17 Jul 2019 09:36

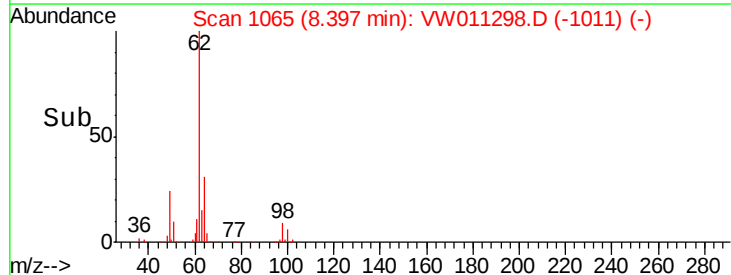
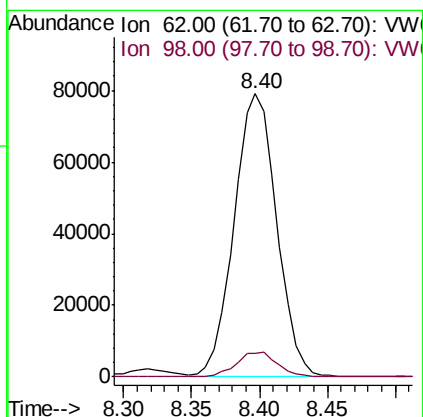
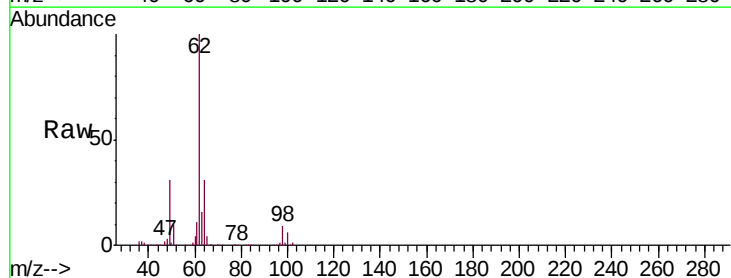
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

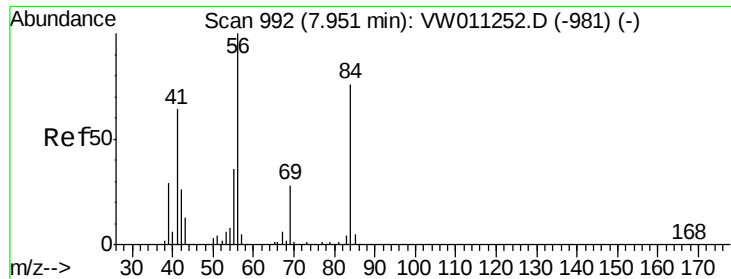
Tgt Ion: 83 Resp: 228831
Ion Ratio Lower Upper
83 100
85 65.3 45.6 84.6



#27
1,2-Dichloroethane
Concen: 24.677 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011298.D
Acq: 17 Jul 2019 09:36

Tgt Ion: 62 Resp: 173188
Ion Ratio Lower Upper
62 100
98 8.5 6.6 10.0

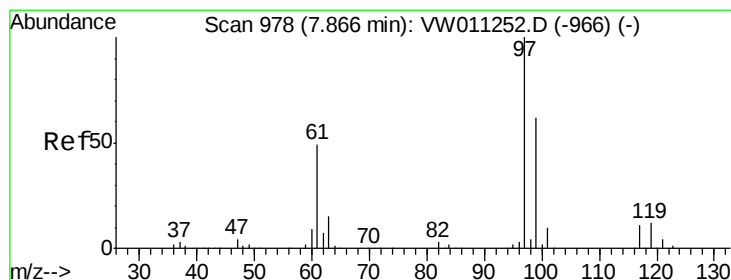
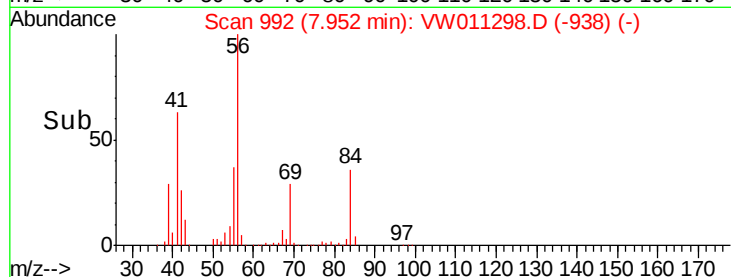
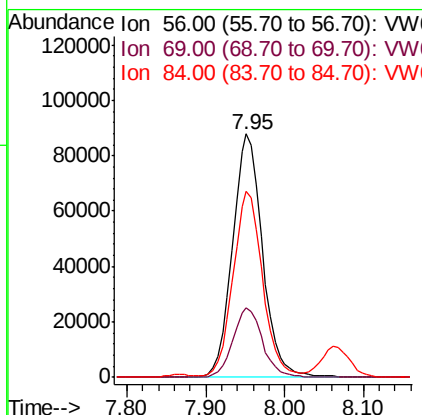
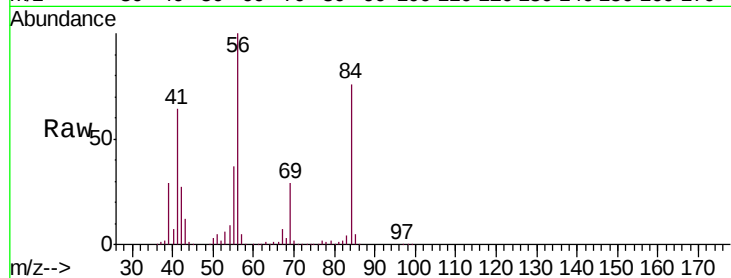




#30
Cyclohexane
Concen: 23.456 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011298.D
Acq: 17 Jul 2019 09:36

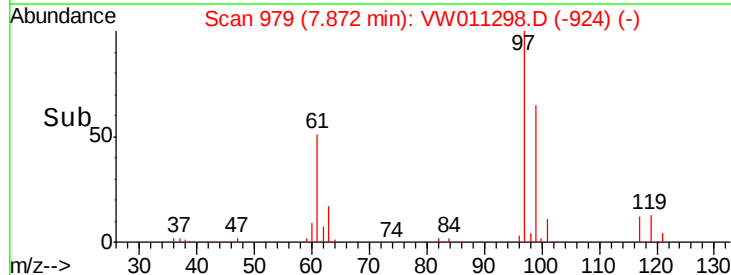
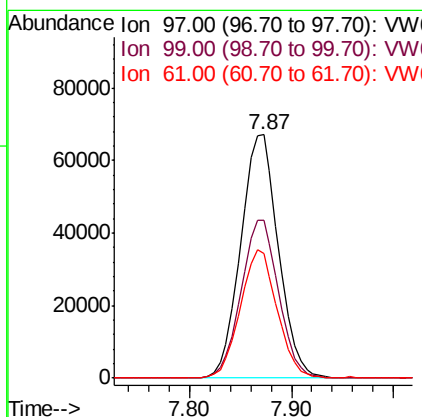
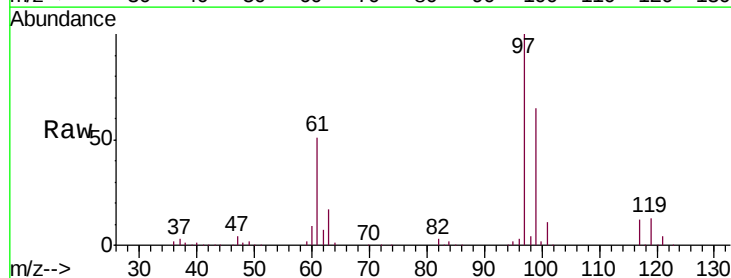
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

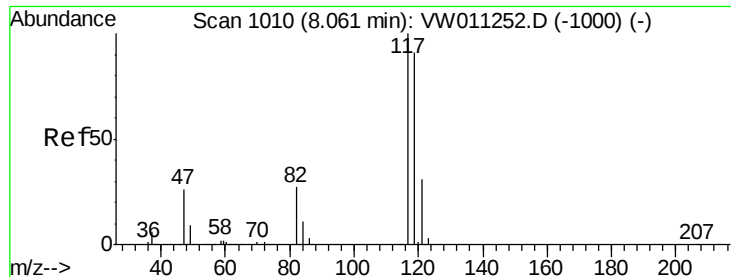
Tgt Ion: 56 Resp: 231797
Ion Ratio Lower Upper
56 100
69 28.3 22.5 33.7
84 75.6 60.9 91.3



#31
1,1,1-Trichloroethane
Concen: 25.552 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW011298.D
Acq: 17 Jul 2019 09:36

Tgt Ion: 97 Resp: 172376
Ion Ratio Lower Upper
97 100
99 64.6 50.6 75.8
61 51.6 40.9 61.3





#32

Carbon tetrachloride

Concen: 25.434 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW011298.D

Acq: 17 Jul 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

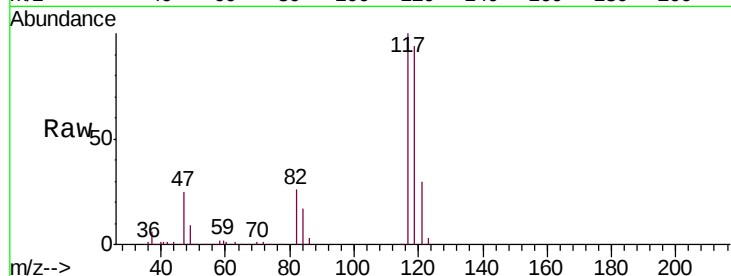
VSTD02510

Tgt Ion:117 Resp: 160912

Ion Ratio Lower Upper

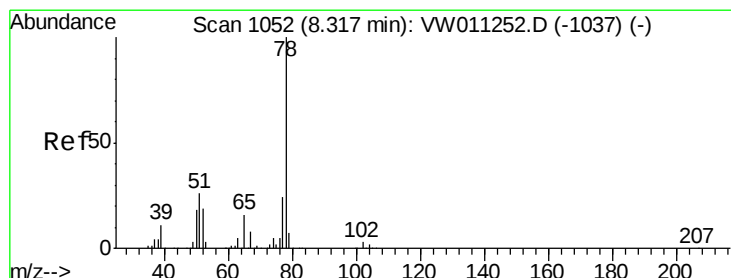
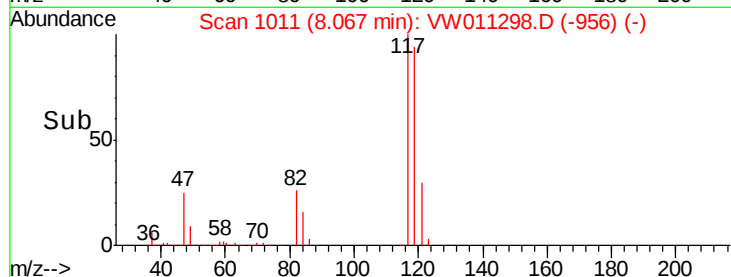
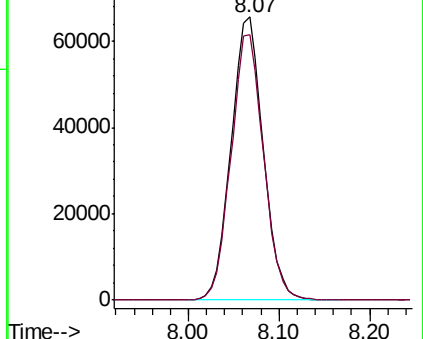
117 100

119 95.0 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.778 ug/L

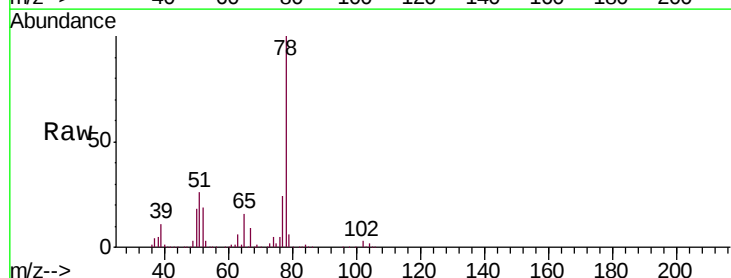
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

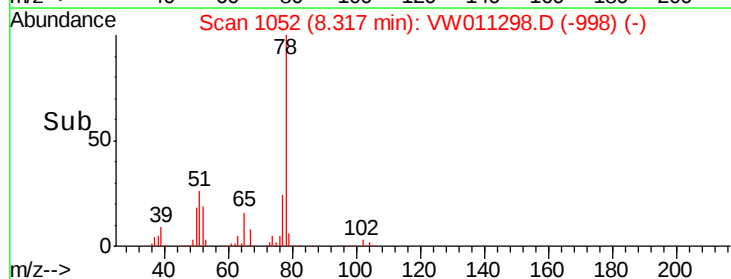
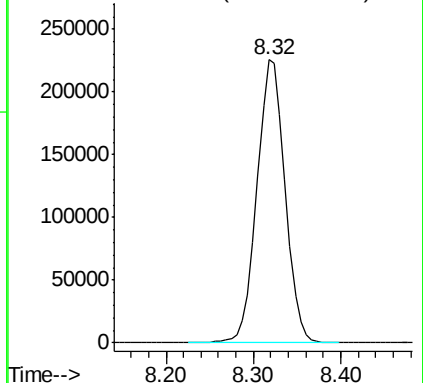
Lab File: VW011298.D

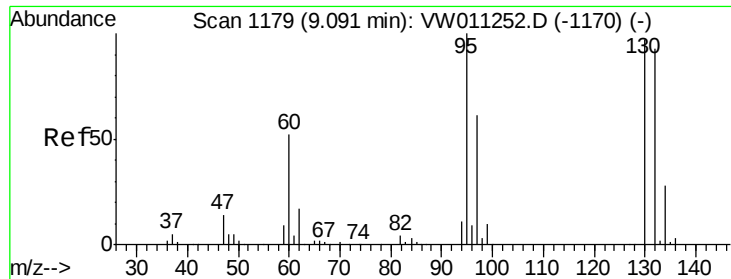
Acq: 17 Jul 2019 09:36

Tgt Ion: 78 Resp: 503352



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.434 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW011298.D

Acq: 17 Jul 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

Tgt Ion: 95 Resp: 125259

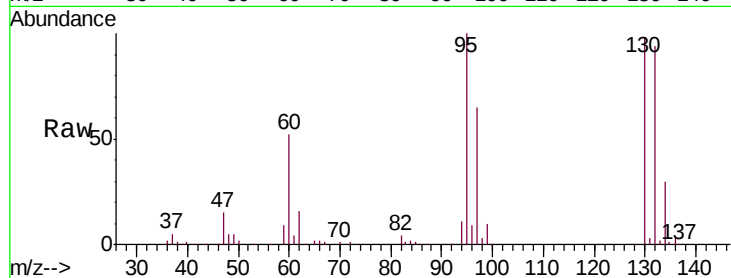
Ion Ratio Lower Upper

95 100

97 64.1 45.4 84.2

132 92.2 65.0 120.8

130 96.9 67.8 126.0



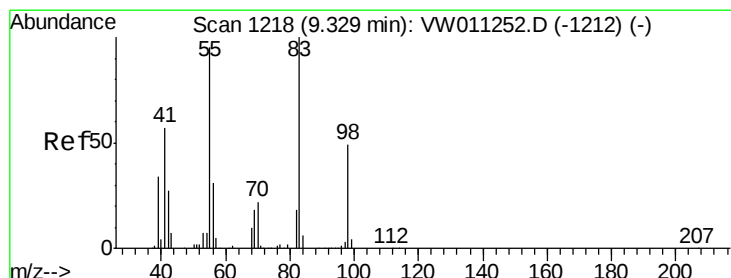
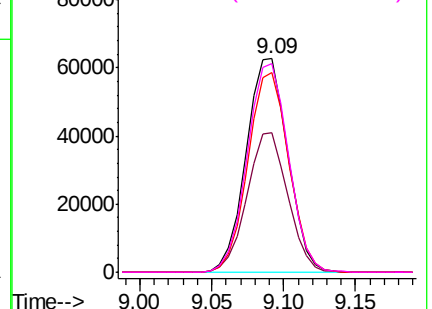
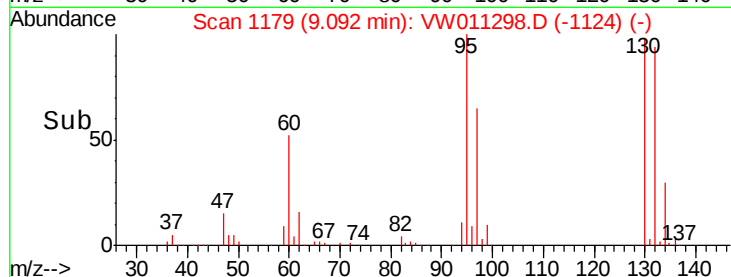
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 23.800 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VW011298.D

Acq: 17 Jul 2019 09:36

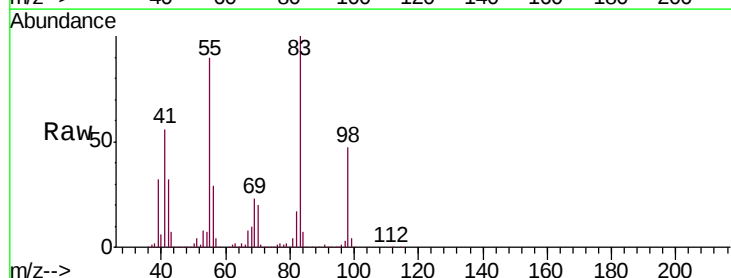
Tgt Ion: 83 Resp: 219559

Ion Ratio Lower Upper

83 100

55 90.0 72.2 108.4

98 47.2 38.2 57.4

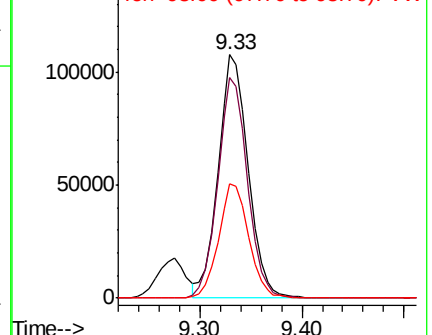
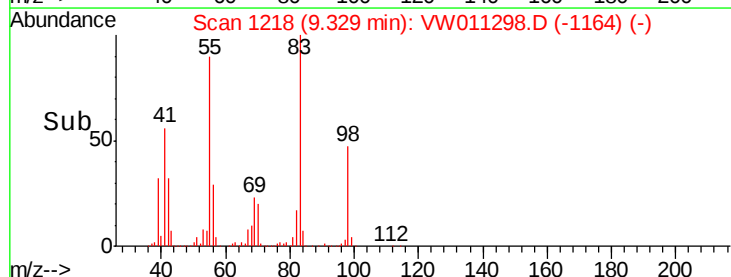


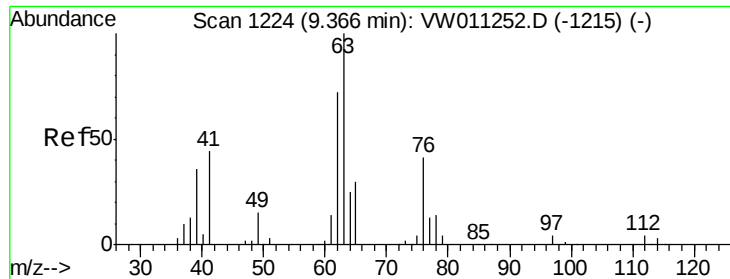
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

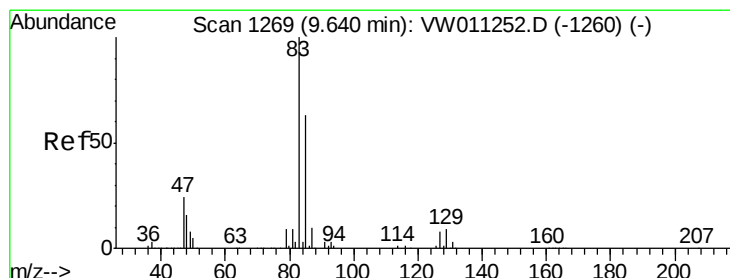
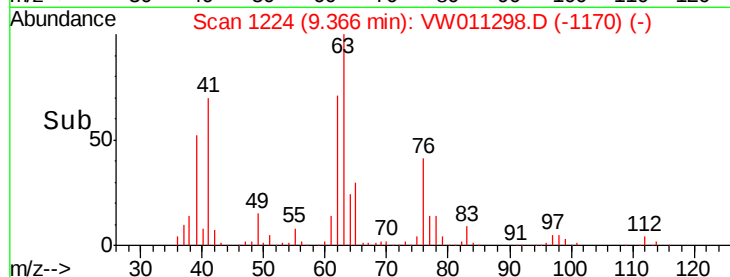
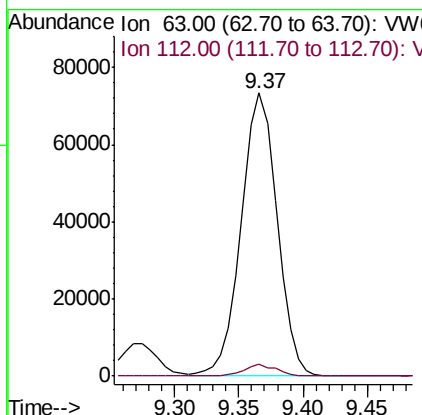
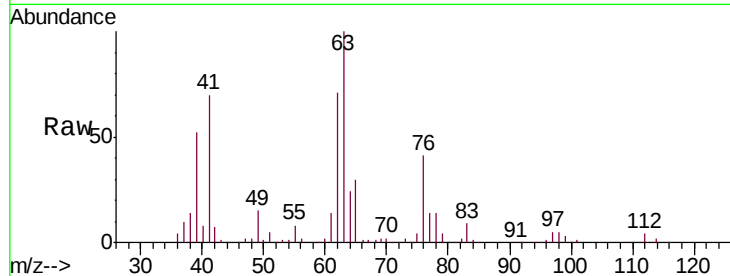




#40
 1,2-Dichloropropane
 Concen: 25.513 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011298.D
 Acq: 17 Jul 2019 09:36

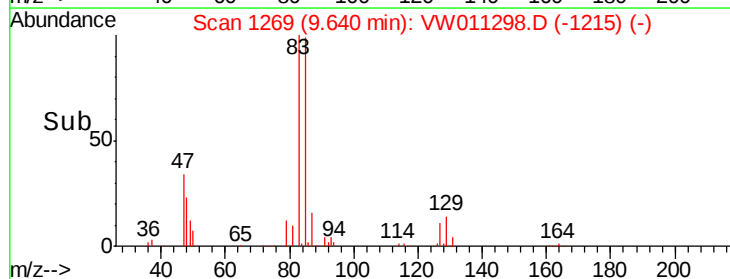
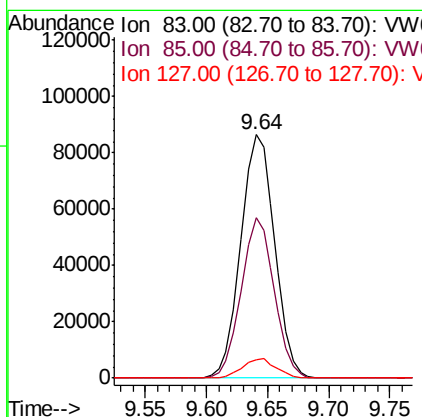
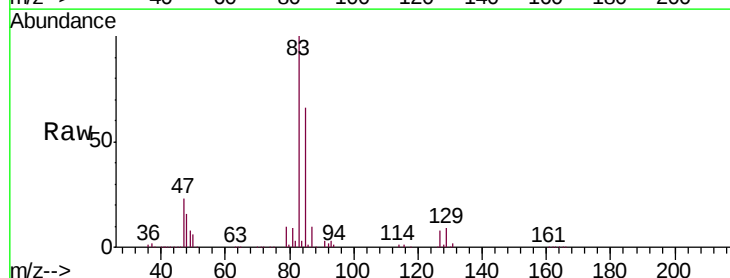
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

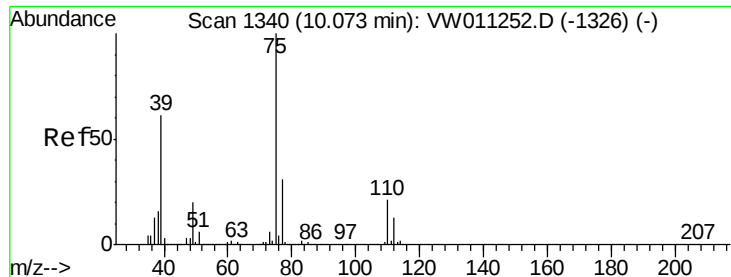
Tgt Ion: 63 Resp: 142017
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.6



#41
 Bromodichloromethane
 Concen: 25.966 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW011298.D
 Acq: 17 Jul 2019 09:36

Tgt Ion: 83 Resp: 166639
 Ion Ratio Lower Upper
 83 100
 85 65.8 45.5 84.5
 127 7.6 5.8 8.8





#42

cis-1,3-Dichloropropene

Concen: 25.706 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011298.D

Acq: 17 Jul 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

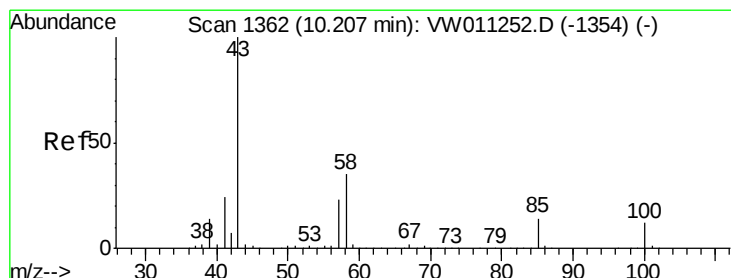
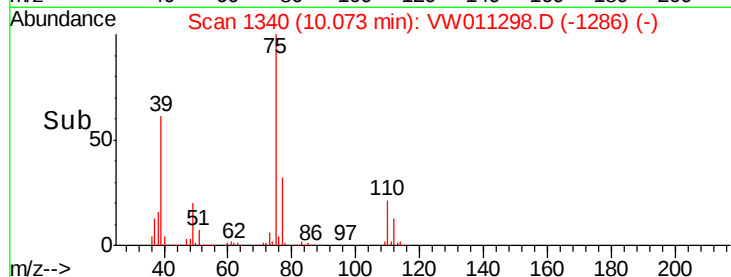
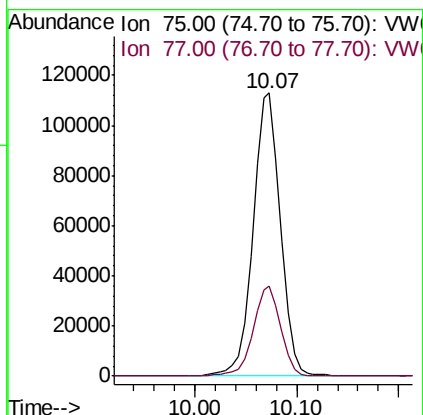
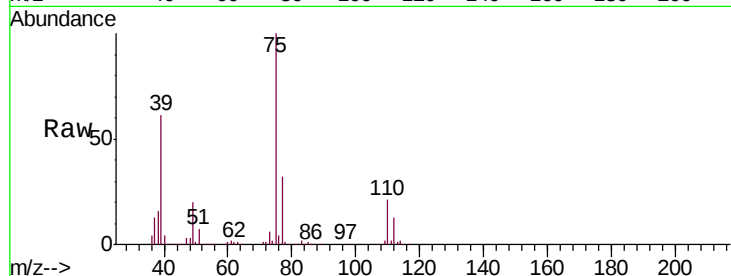
VSTD02510

Tgt Ion: 75 Resp: 211127

Ion Ratio Lower Upper

75 100

77 31.7 21.1 39.1



#43

4-Methyl-2-pentanone

Concen: 50.324 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011298.D

Acq: 17 Jul 2019 09:36

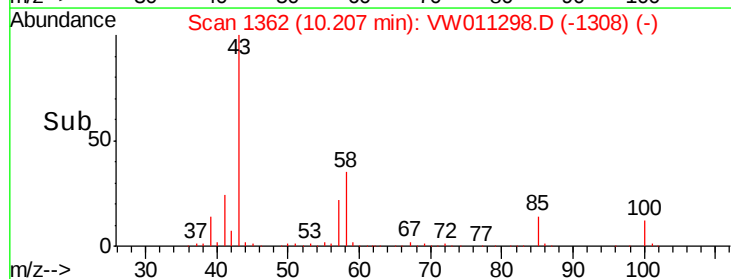
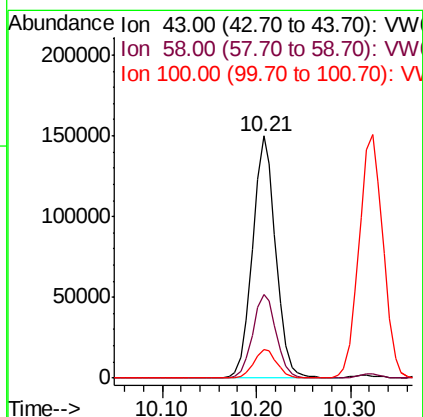
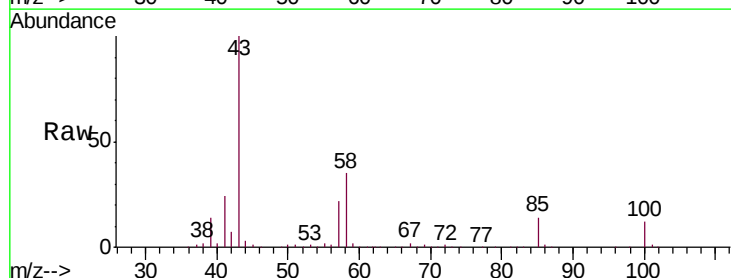
Tgt Ion: 43 Resp: 259682

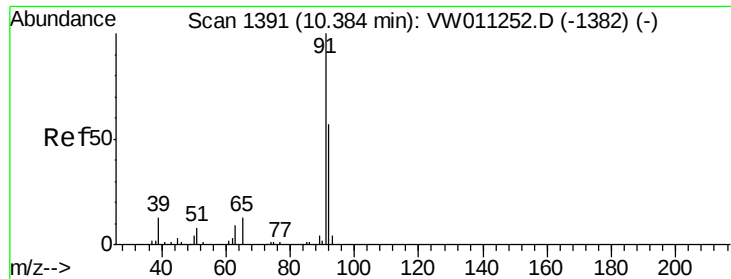
Ion Ratio Lower Upper

43 100

58 35.1 28.1 42.1

100 11.8 9.3 13.9





#44

Toluene

Concen: 25.068 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011298.D

Acq: 17 Jul 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

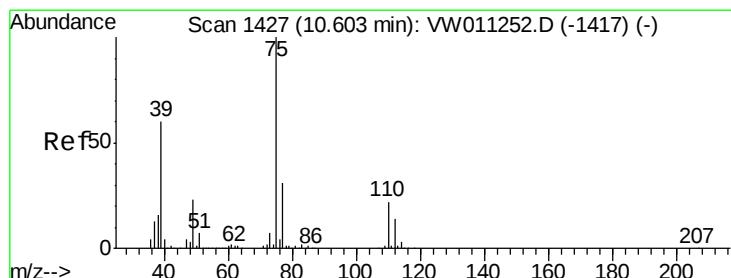
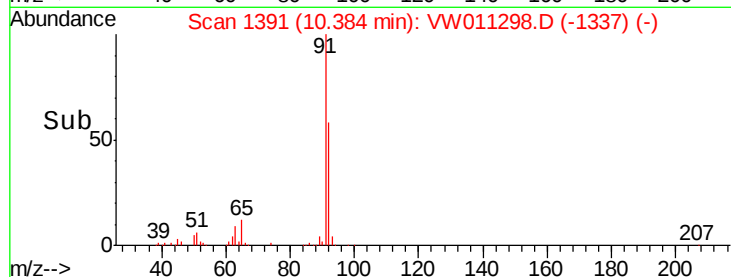
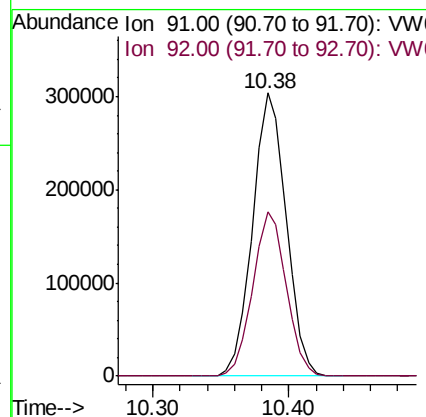
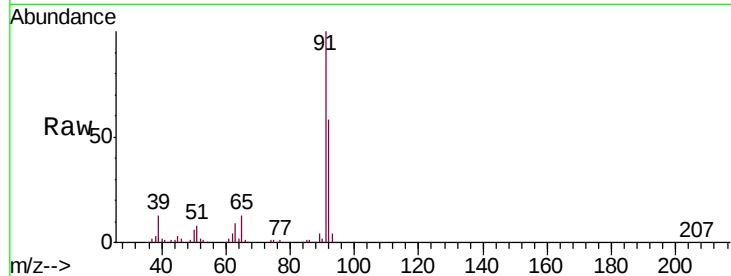
VSTD02510

Tgt Ion: 91 Resp: 527092

Ion Ratio Lower Upper

91 100

92 58.1 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 25.898 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011298.D

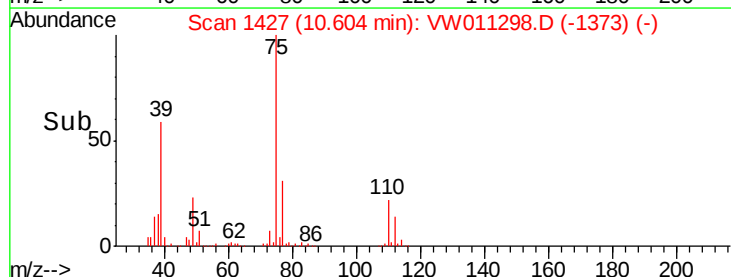
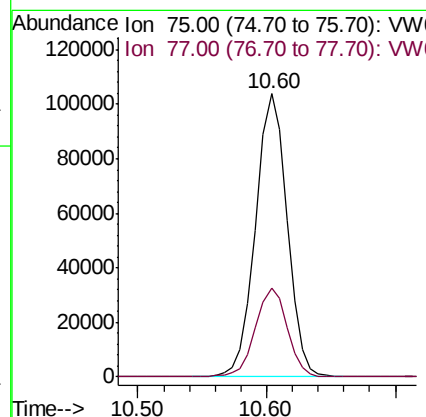
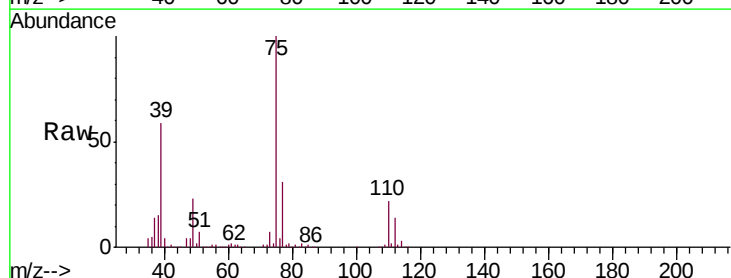
Acq: 17 Jul 2019 09:36

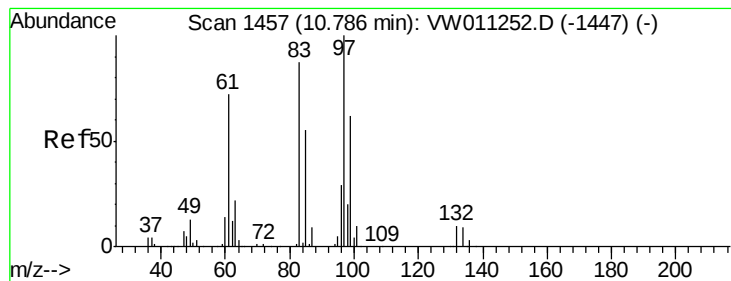
Tgt Ion: 75 Resp: 176001

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.5





#46

1,1,2-Trichloroethane

Concen: 25.805 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011298.D

Acq: 17 Jul 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

Tgt Ion: 97 Resp: 99473

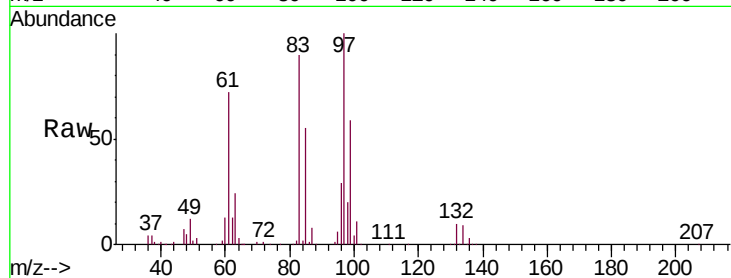
Ion Ratio Lower Upper

97 100

83 89.9 63.1 117.3

85 55.1 39.0 72.4

99 59.4 41.5 77.1

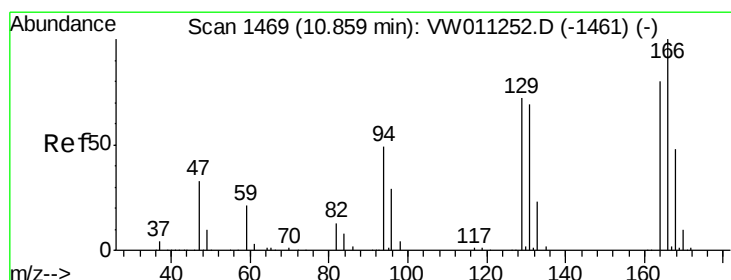
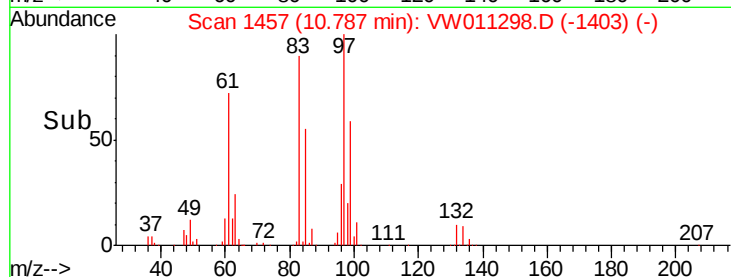
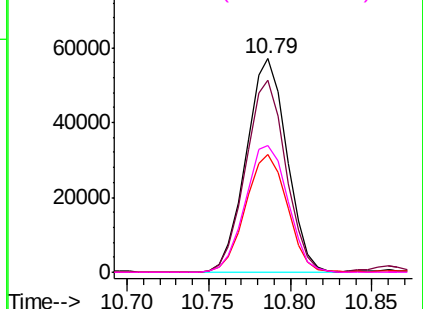


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.361 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW011298.D

Acq: 17 Jul 2019 09:36

Tgt Ion: 164 Resp: 94383

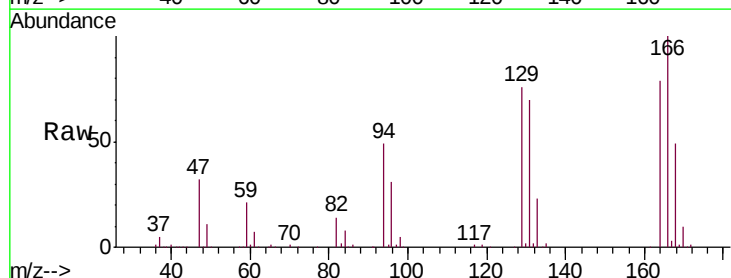
Ion Ratio Lower Upper

164 100

129 95.9 68.5 127.1

131 89.2 64.8 120.4

166 126.6 87.9 163.3

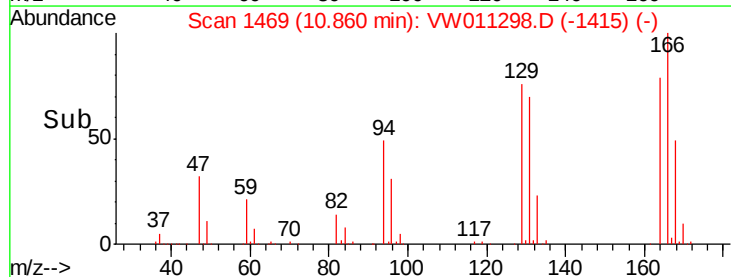
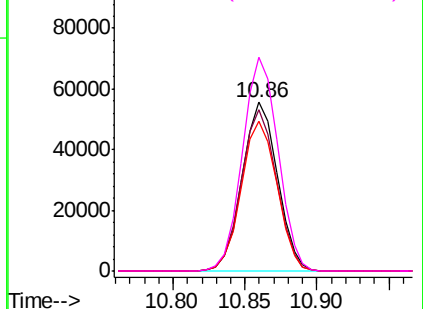


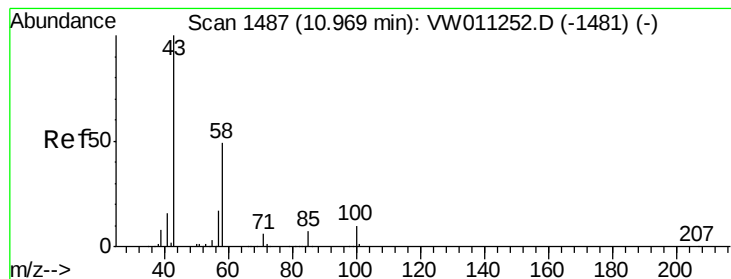
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 50.807 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW011298.D

Acq: 17 Jul 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

Tgt Ion: 43 Resp: 190835

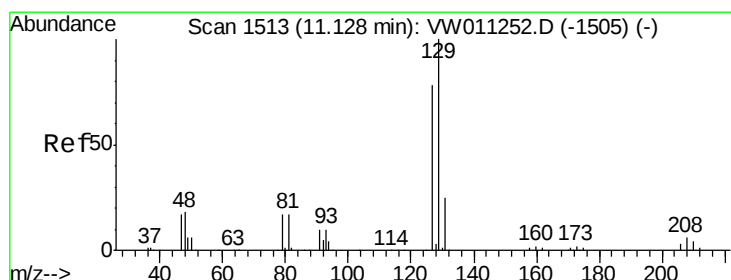
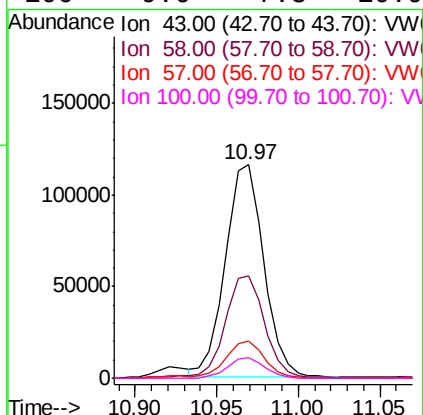
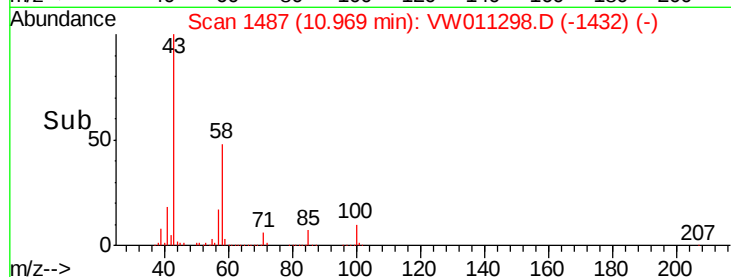
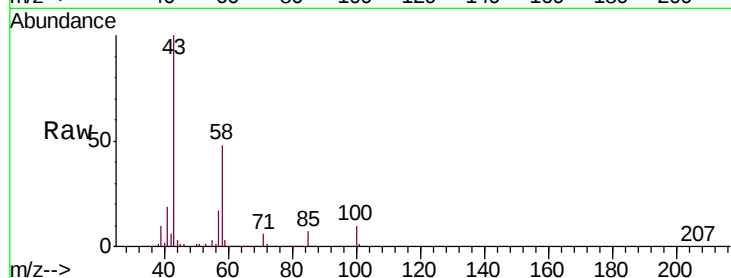
Ion Ratio Lower Upper

43 100

58 49.8 38.4 57.6

57 17.6 13.3 19.9

100 9.6 7.3 10.9



#50

Dibromochloromethane

Concen: 26.792 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW011298.D

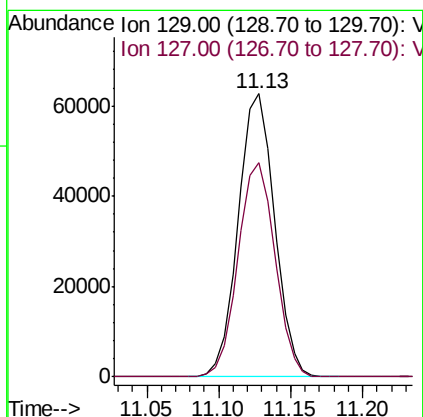
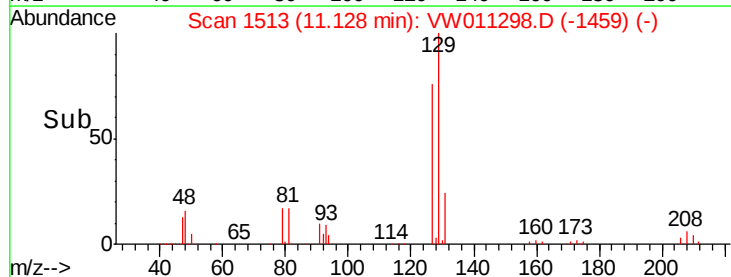
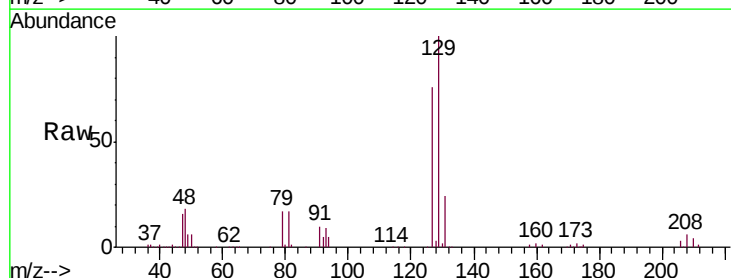
Acq: 17 Jul 2019 09:36

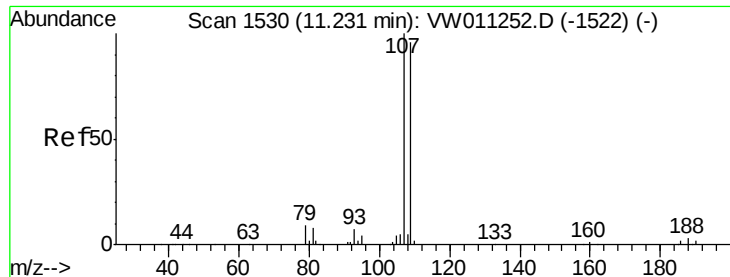
Tgt Ion: 129 Resp: 109978

Ion Ratio Lower Upper

129 100

127 75.7 53.3 99.1

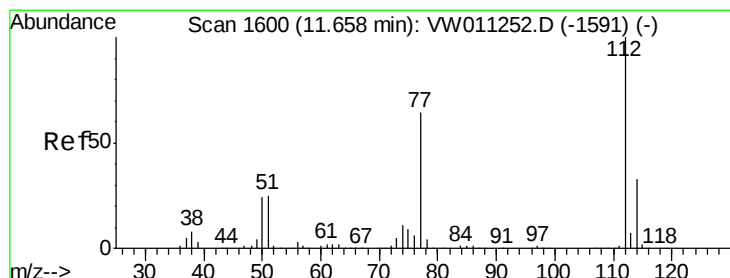
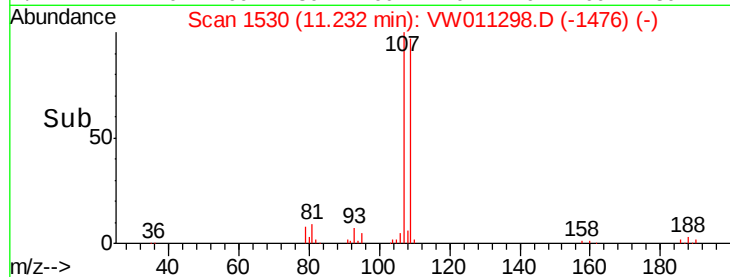
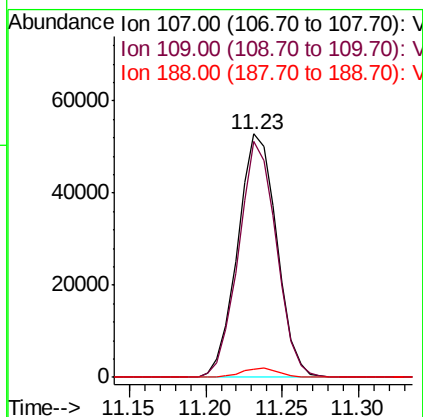
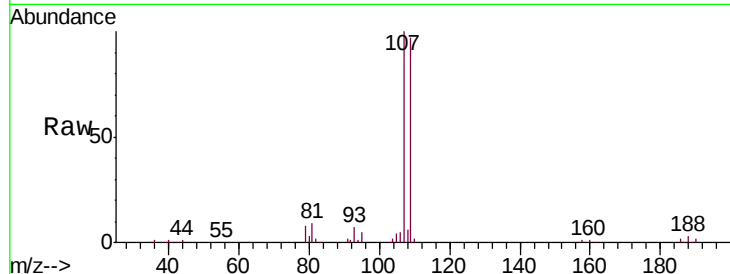




#51
1,2-Dibromoethane
Concen: 25.181 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW011298.D
Acq: 17 Jul 2019 09:36

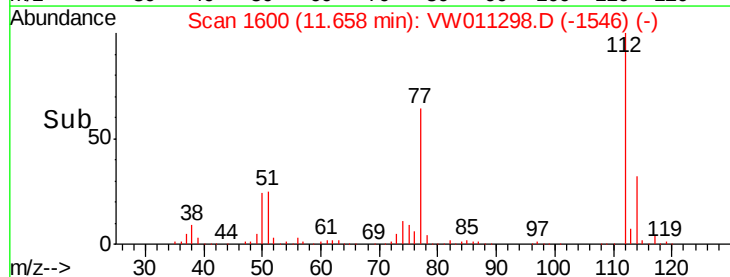
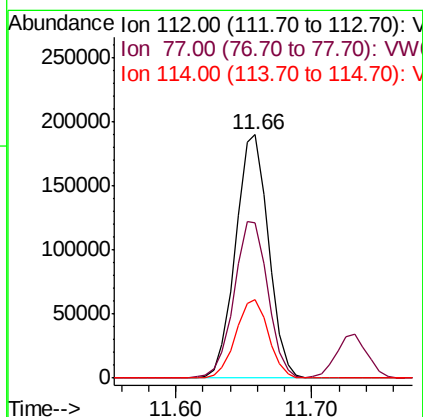
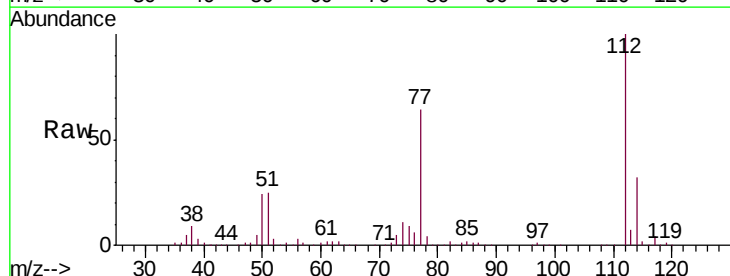
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

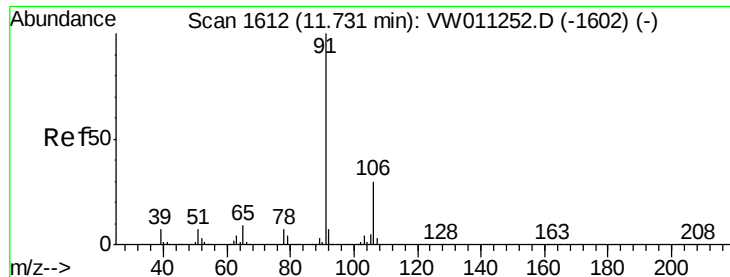
Tgt Ion:107 Resp: 93726
Ion Ratio Lower Upper
107 100
109 96.9 64.3 119.3
188 3.3 3.2 4.8



#52
Chlorobenzene
Concen: 24.927 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011298.D
Acq: 17 Jul 2019 09:36

Tgt Ion:112 Resp: 320207
Ion Ratio Lower Upper
112 100
77 63.8 51.2 76.8
114 32.2 22.0 40.8





#53

Ethylbenzene

Concen: 24.867 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011298.D

Acq: 17 Jul 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

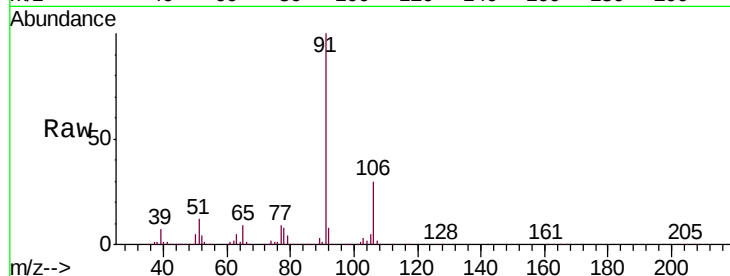
VSTD02510

Tgt Ion: 91 Resp: 593077

Ion Ratio Lower Upper

91 100

106 29.5 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.73

400000

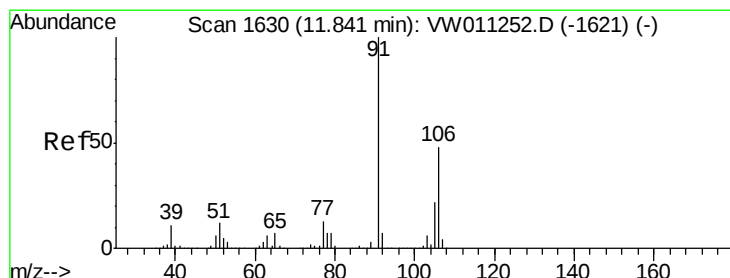
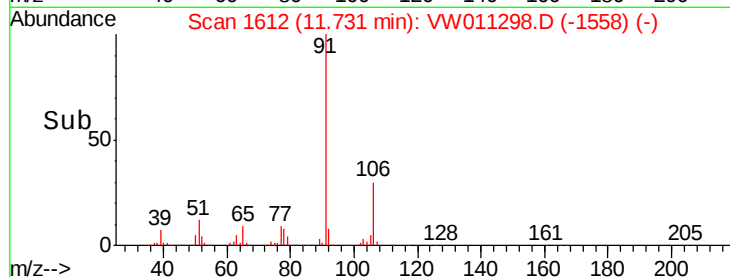
300000

200000

100000

0

Time-->



#54

m,p-Xylene

Concen: 25.196 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW011298.D

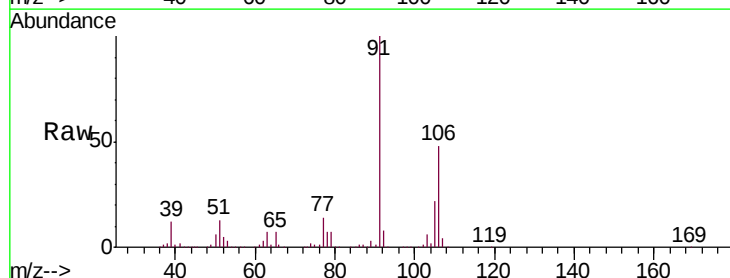
Acq: 17 Jul 2019 09:36

Tgt Ion: 106 Resp: 218183

Ion Ratio Lower Upper

106 100

91 210.4 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

11.84

400000

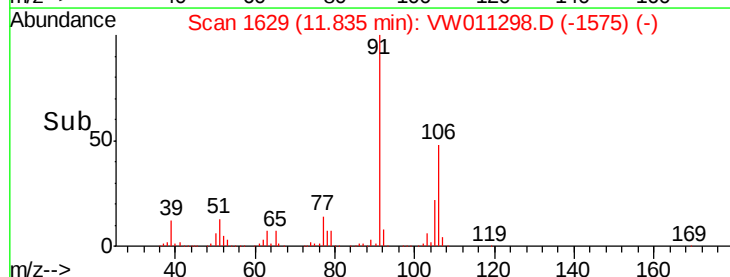
300000

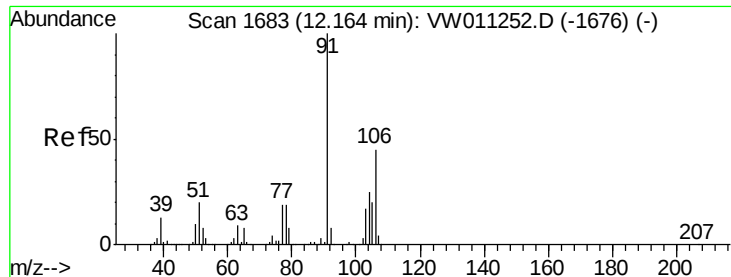
200000

100000

0

Time-->





#55

o-xylene

Concen: 25.311 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW011298.D

Acq: 17 Jul 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

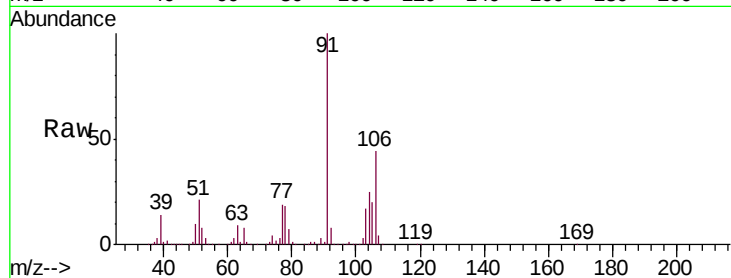
VSTD02510

Tgt Ion:106 Resp: 208495

Ion Ratio Lower Upper

106 100

91 224.8 154.6 287.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

300000

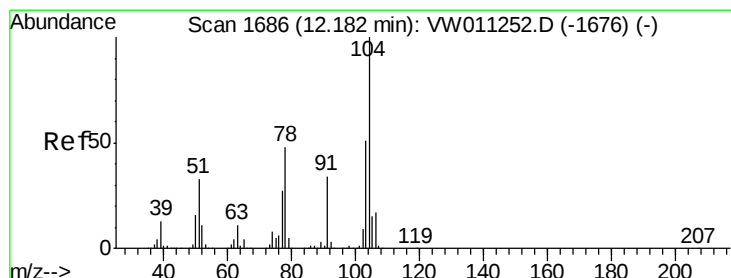
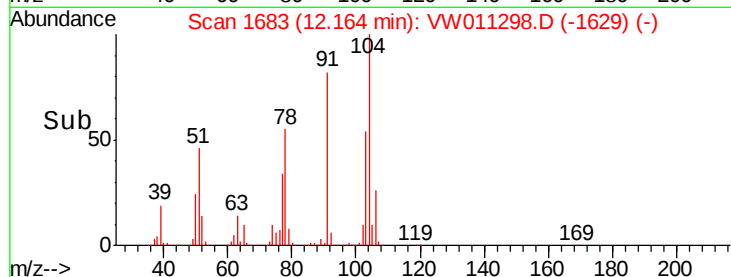
200000

100000

0

12.10 12.15 12.20

Time-->



#56

Styrene

Concen: 25.882 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW011298.D

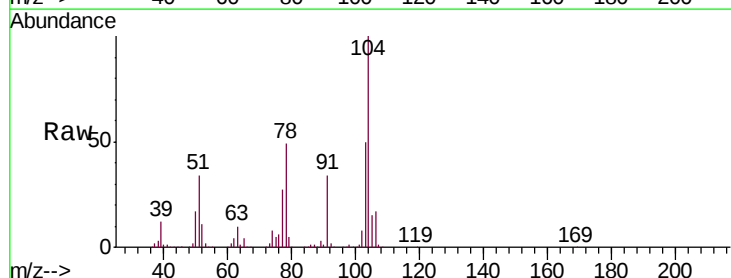
Acq: 17 Jul 2019 09:36

Tgt Ion:104 Resp: 365741

Ion Ratio Lower Upper

104 100

78 48.8 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

250000

200000

150000

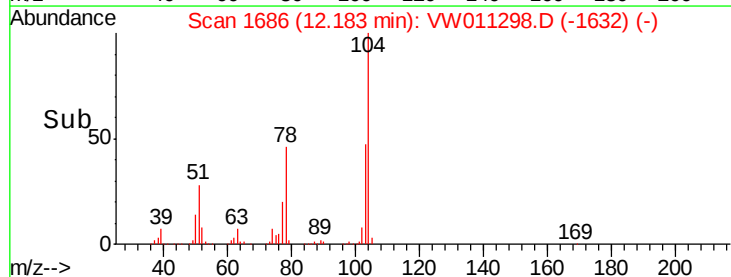
100000

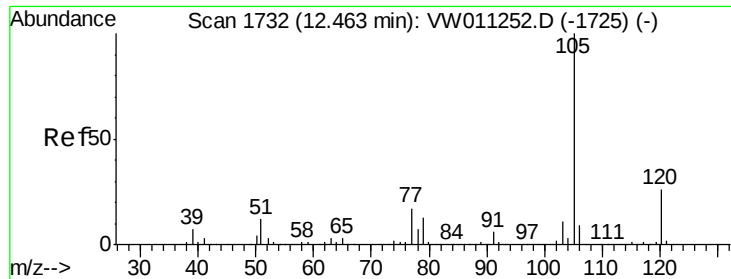
50000

0

12.10 12.20

Time-->





#57

Isopropylbenzene

Concen: 25.755 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011298.D

Acq: 17 Jul 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

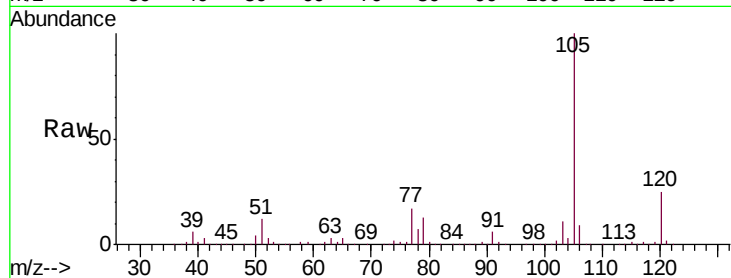
Tgt Ion: 105 Resp: 579143

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

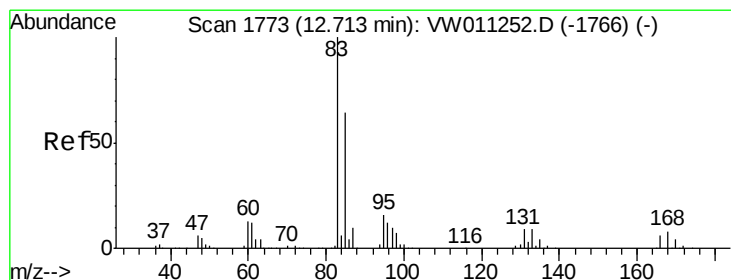
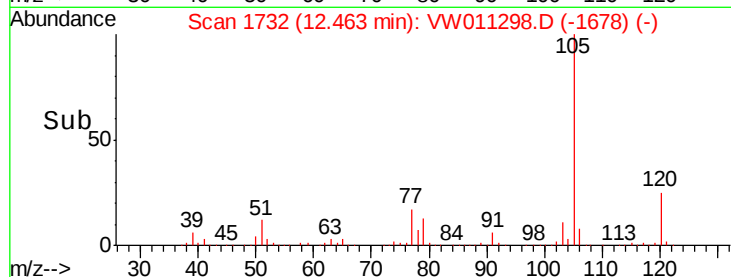
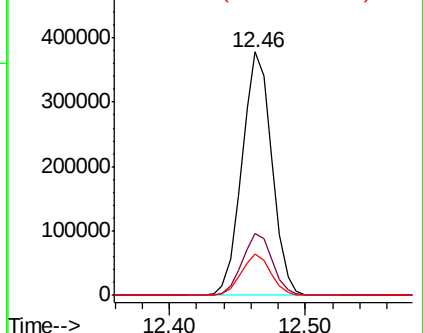
77 16.8 13.5 20.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.117 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011298.D

Acq: 17 Jul 2019 09:36

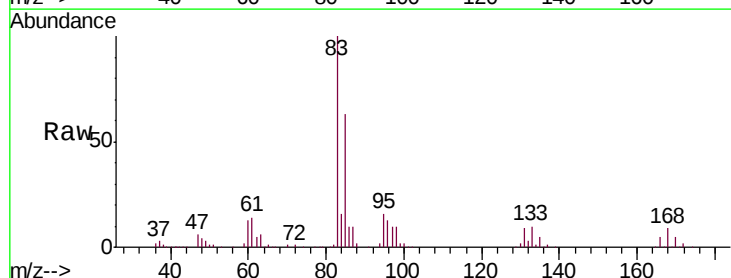
Tgt Ion: 83 Resp: 133932

Ion Ratio Lower Upper

83 100

85 63.2 44.0 81.6

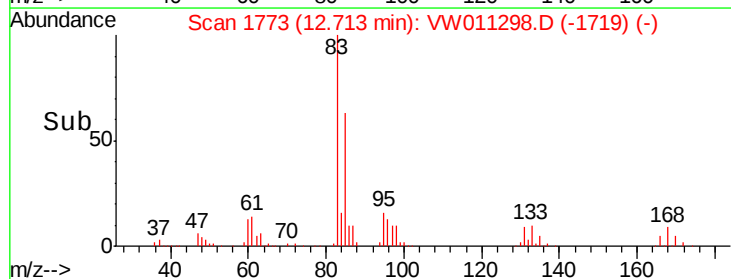
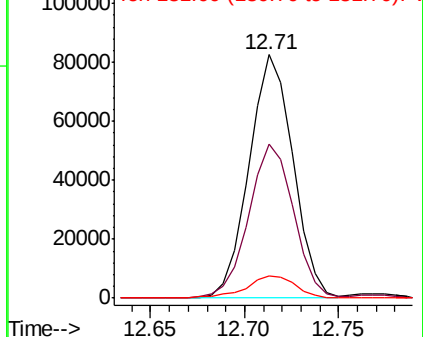
131 8.9 6.7 10.1

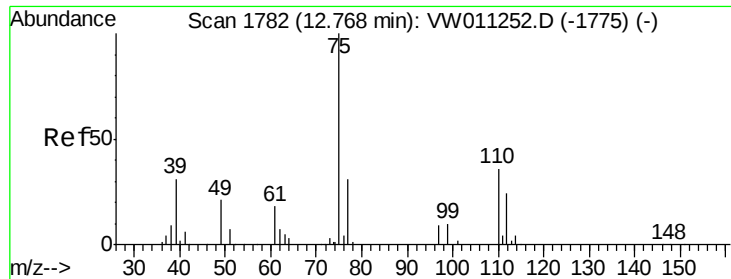


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

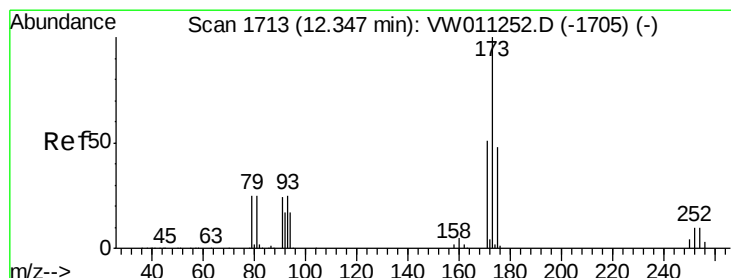
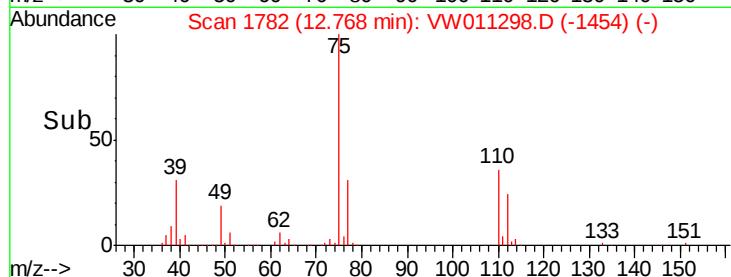
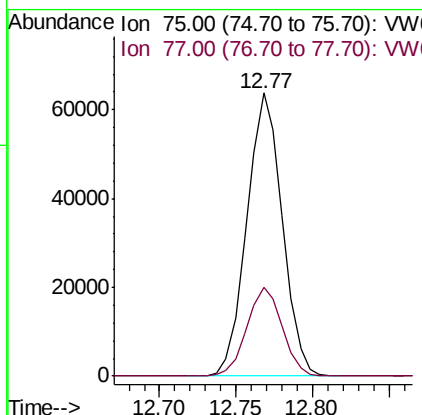
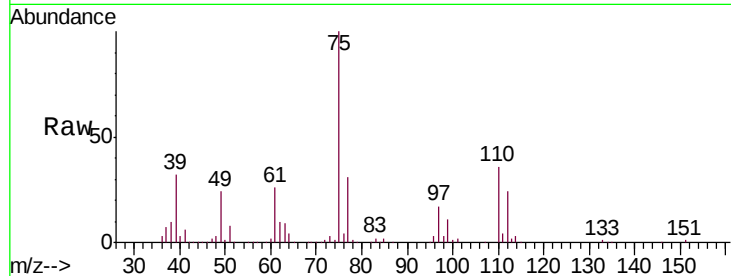




#59
 1,2,3-Trichloropropane
 Concen: 26.043 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW011298.D
 Acq: 17 Jul 2019 09:36

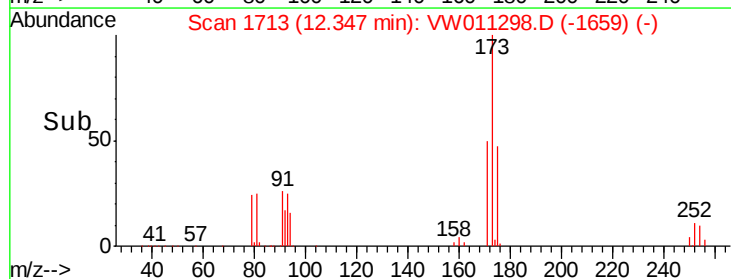
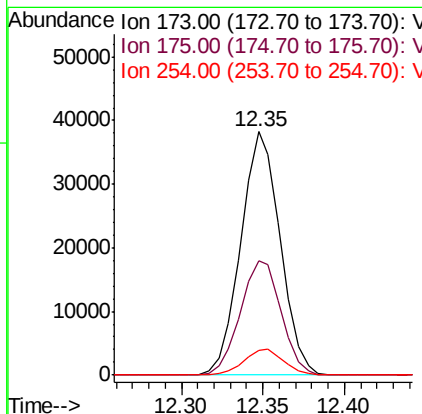
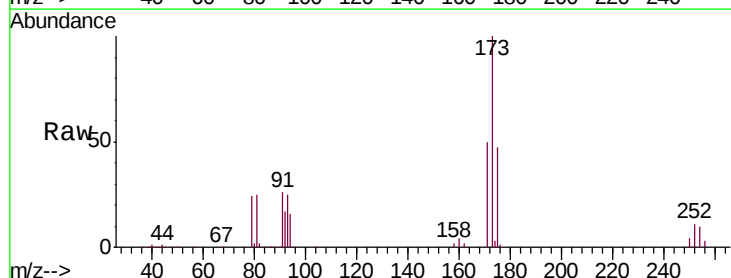
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

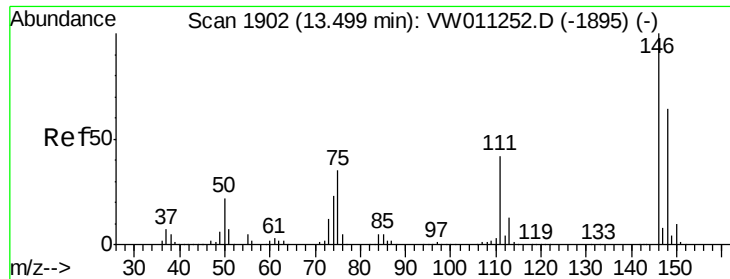
Tgt Ion: 75 Resp: 102563
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.0



#62
 Bromoform
 Concen: 26.867 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW011298.D
 Acq: 17 Jul 2019 09:36

Tgt Ion: 173 Resp: 64202
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.0 58.6
 254 10.6 8.5 12.7





#63

1,3-Dichlorobenzene

Concen: 25.411 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011298.D

Acq: 17 Jul 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

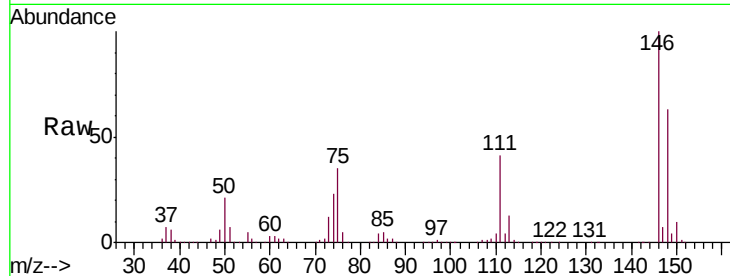
Tgt Ion:146 Resp: 250671

Ion Ratio Lower Upper

146 100

111 40.7 29.0 53.8

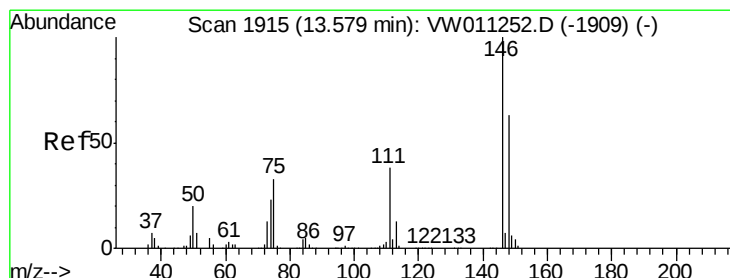
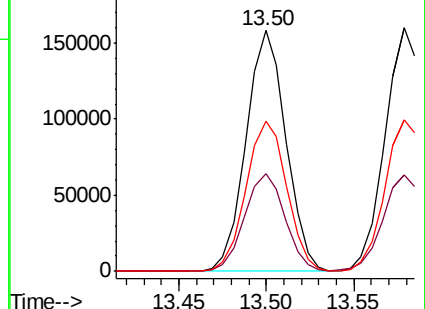
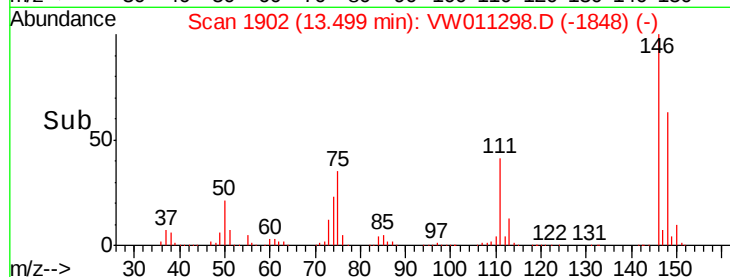
148 62.5 44.4 82.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 25.272 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011298.D

Acq: 17 Jul 2019 09:36

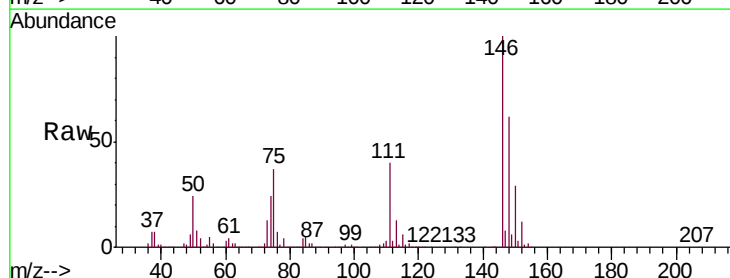
Tgt Ion:146 Resp: 255202

Ion Ratio Lower Upper

146 100

111 39.7 27.5 51.1

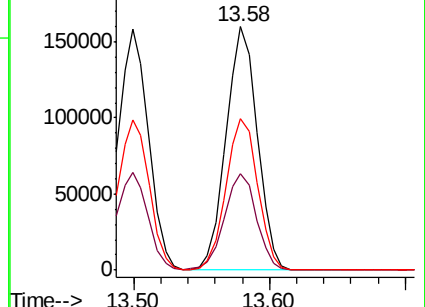
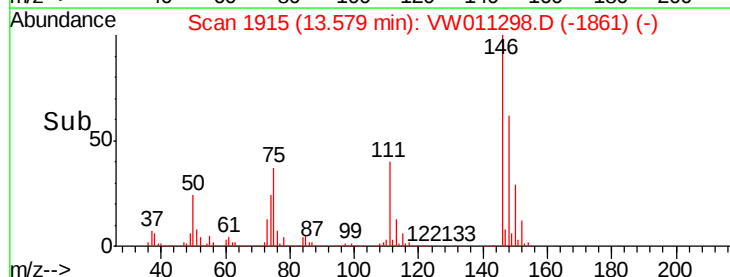
148 62.0 43.8 81.3

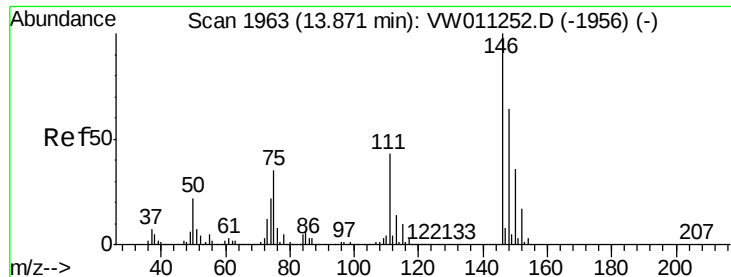


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

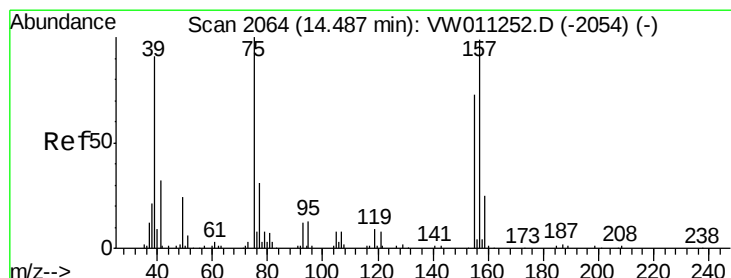
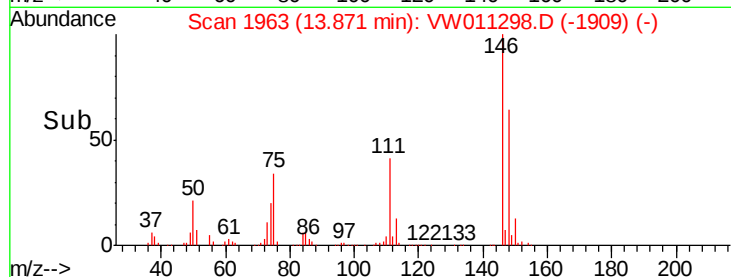
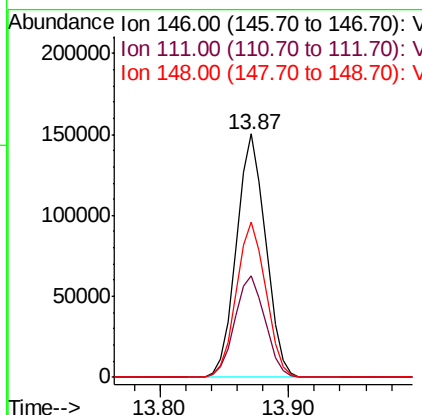
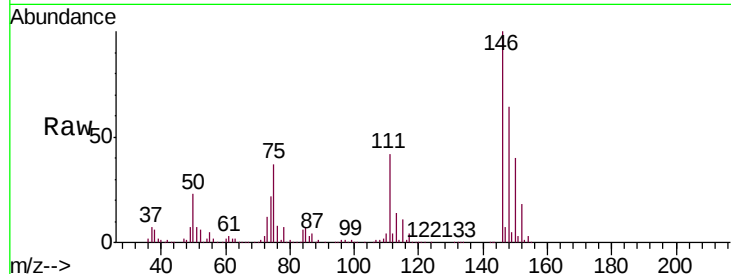




#65
 1,2-Dichlorobenzene
 Concen: 25.783 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011298.D
 Acq: 17 Jul 2019 09:36

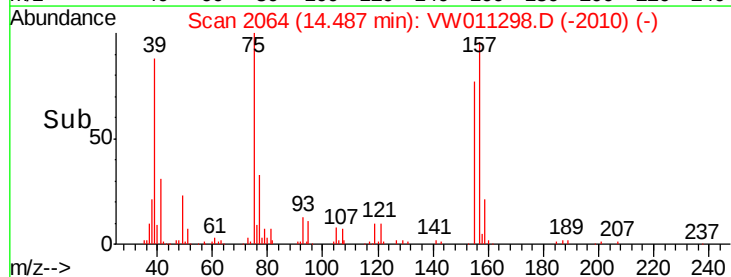
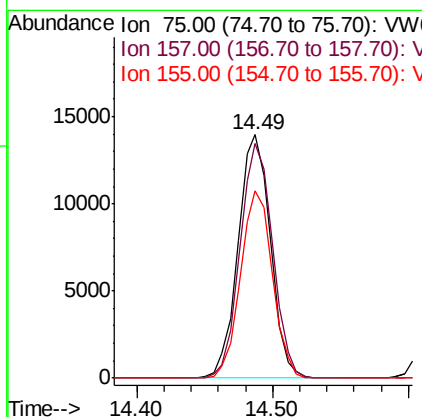
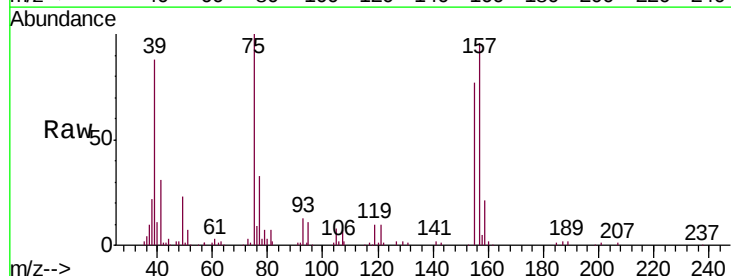
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

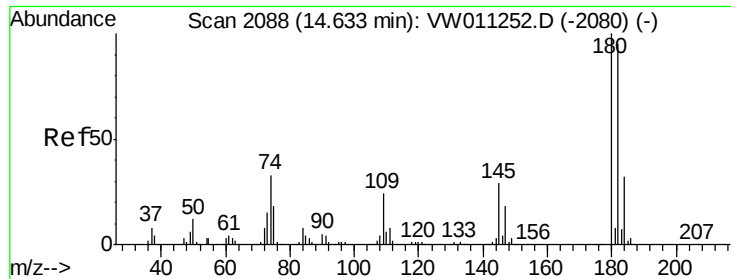
Tgt Ion: 146 Resp: 236743
 Ion Ratio Lower Upper
 146 100
 111 41.6 34.1 51.1
 148 63.8 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.639 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011298.D
 Acq: 17 Jul 2019 09:36

Tgt Ion: 75 Resp: 23114
 Ion Ratio Lower Upper
 75 100
 157 96.2 75.3 112.9
 155 76.8 60.2 90.2

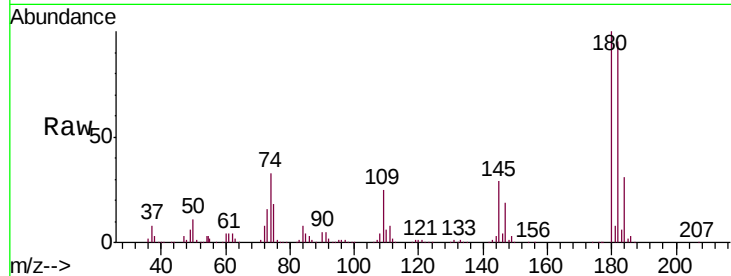




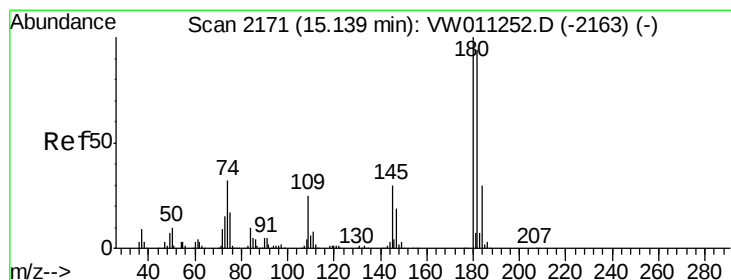
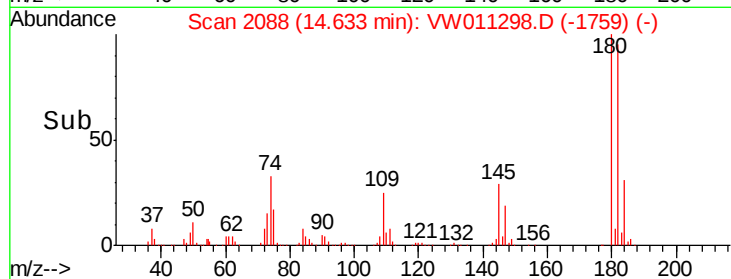
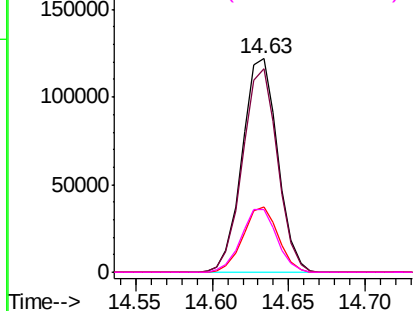
#67
 1,3,5-Trichlorobenzene
 Concen: 26.251 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW011298.D
 Acq: 17 Jul 2019 09:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tgt Ion:	180	Resp:	196206
Ion	Ratio	Lower	Upper
180	100		
182	93.9	77.0	115.4
184	30.2	24.3	36.5
145	29.6	24.2	36.2

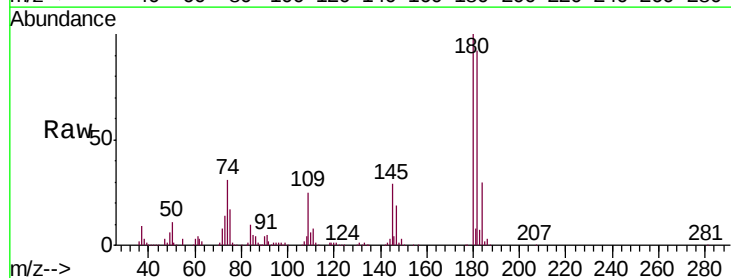


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

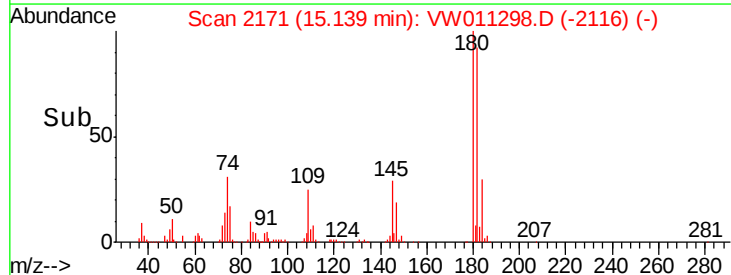
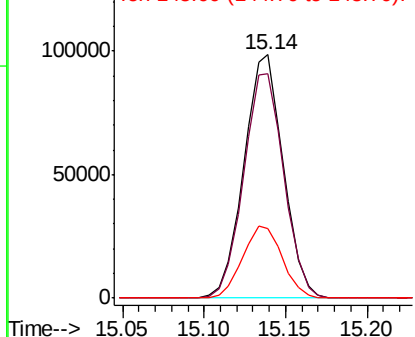


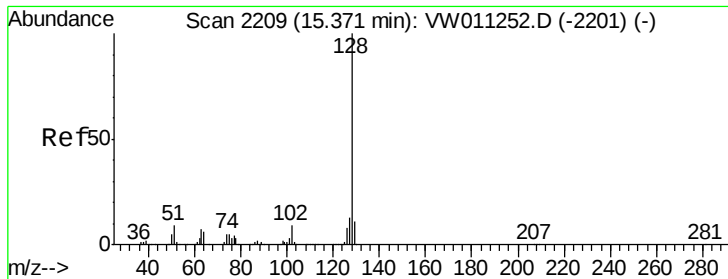
#68
 1,2,4-trichlorobenzene
 Concen: 26.344 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW011298.D
 Acq: 17 Jul 2019 09:36

Tgt Ion:	180	Resp:	164956
Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.0	115.6
145	30.1	24.5	36.7



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





#69

Naphthalene

Concen: 27.035 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011298.D

Acq: 17 Jul 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

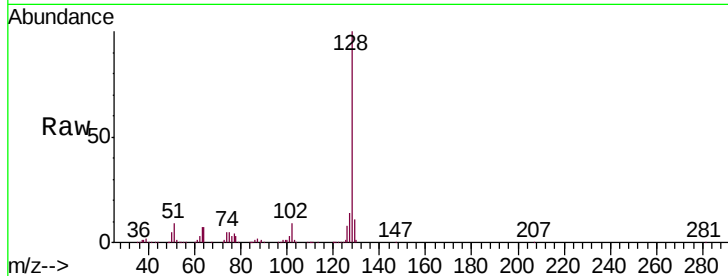
Tgt Ion:128 Resp: 354520

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.4

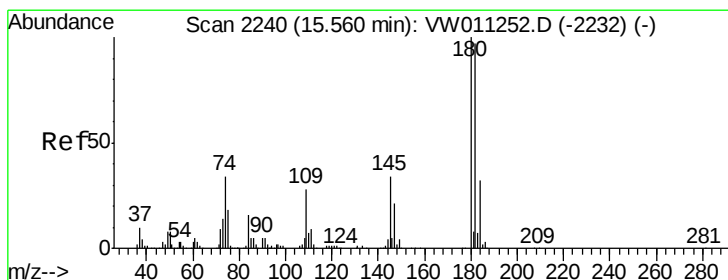
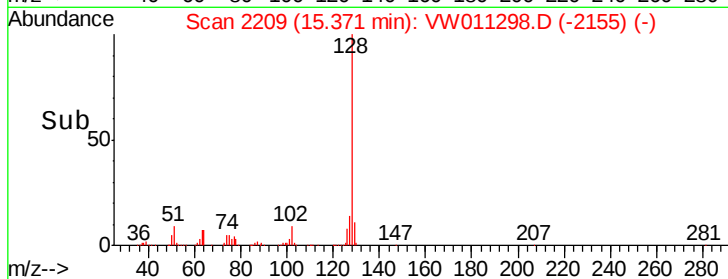
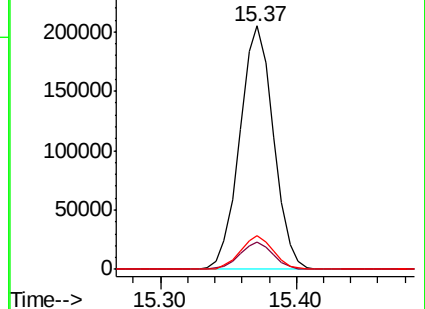
127 13.4 10.6 15.8



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: 26.669 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011298.D

Acq: 17 Jul 2019 09:36

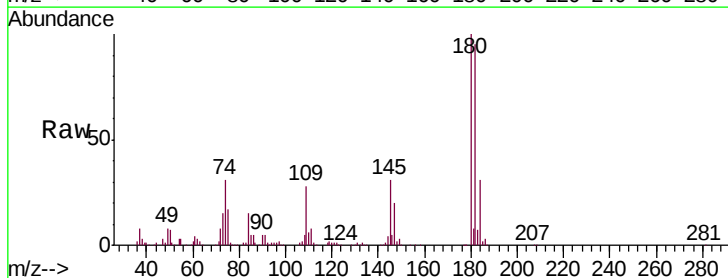
Tgt Ion:180 Resp: 152789

Ion Ratio Lower Upper

180 100

182 94.9 76.4 114.6

145 31.6 25.5 38.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

