

Data File : VW014985.D
Acq On : 13 Feb 2020 17:22
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025308

Quant Time: Feb 14 04:24:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Feb 13 12:39:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	740657	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	677377	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	308446	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	349640	23.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.76%
7) Chloroethane-d5	2.89	69	273367	24.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	4.03	63	642094	24.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.00%
21) 2-Butanone-d5	7.07	46	196445	47.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.50%
24) Chloroform-d	7.65	84	579411	24.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	8.31	65	341519	24.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.88%
32) Benzene-d6	8.27	84	1163907	25.50	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	9.27	67	395269	25.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.72%
41) Toluene-d8	10.32	98	1019952	26.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.96%
43) trans-1,3-Dichloropropene-	10.57	79	151198	25.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.40%
47) 2-Hexanone-d5	10.92	63	146225	52.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.74%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	292381	24.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.84%
66) 1,2-Dichlorobenzene-d4	13.85	152	287013	24.72	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	161880	22.001	ug/L 95
3) Chloromethane	2.21	50	303540	21.936	ug/L 100
5) Vinyl chloride	2.37	62	408862	22.954	ug/L 98
6) Bromomethane	2.78	94	185859	23.003	ug/L 96
8) Chloroethane	2.92	64	228479	23.976	ug/L 98
9) Trichlorofluoromethane	3.25	101	155370	22.087	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	278479	24.195	ug/L 98
12) 1,1-Dichloroethene	4.04	96	270928	24.545	ug/L 96
13) Acetone	4.12	43	205982	47.464	ug/L 98
14) Carbon disulfide	4.39	76	957948	24.007	ug/L 99
15) Methyl Acetate	4.67	43	185331	24.612	ug/L 99
16) Methylene chloride	4.92	84	346034	25.285	ug/L 96
17) trans-1,2-Dichloroethene	5.42	96	280958	25.226	ug/L 99
18) Methyl tert-butyl Ether	5.43	73	362118	26.342	ug/L 99
19) 1,1-Dichloroethane	6.21	63	625747	25.153	ug/L 97
20) cis-1,2-Dichloroethene	7.17	96	299323	26.076	ug/L 96
22) 2-Butanone	7.17	43	269302	51.620	ug/L 98

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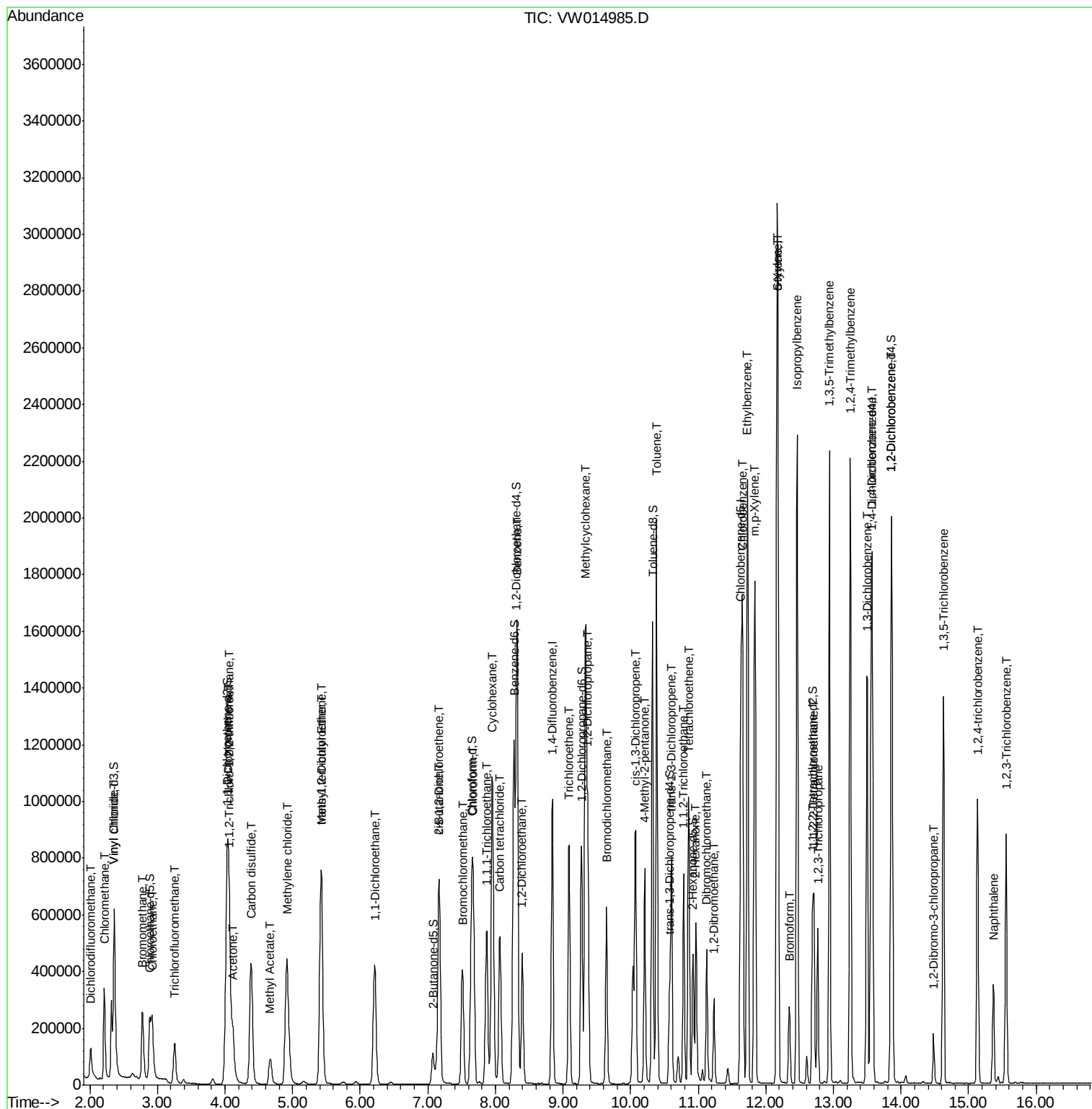
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	116068	24.928	ug/L	98
25) Chloroform	7.67	83	557020	25.128	ug/L	99
27) 1,2-Dichloroethane	8.40	62	409039	25.109	ug/L	99
29) Cyclohexane	7.95	56	608055	27.530	ug/L	99
30) 1,1,1-Trichloroethane	7.87	97	424961	25.791	ug/L	100
31) Carbon tetrachloride	8.07	117	378107	25.458	ug/L	99
33) Benzene	8.32	78	1308155	26.303	ug/L	100
34) Trichloroethene	9.09	95	304253	25.544	ug/L	97
35) Methylcyclohexane	9.34	83	573944	27.937	ug/L	99
37) 1,2-Dichloropropane	9.37	63	364628	26.251	ug/L	100
38) Bromodichloromethane	9.64	83	405273	25.910	ug/L	99
39) cis-1,3-Dichloropropene	10.07	75	496503	26.717	ug/L	100
40) 4-Methyl-2-pentanone	10.21	43	523980	52.986	ug/L	100
42) Toluene	10.38	91	1325788	27.589	ug/L	98
44) trans-1,3-Dichloropropene	10.60	75	407985	26.464	ug/L	99
45) 1,1,2-Trichloroethane	10.79	97	218631	25.947	ug/L	98
46) Tetrachloroethene	10.86	164	200302	25.896	ug/L	95
48) 2-Hexanone	10.96	43	390129	54.145	ug/L	98
49) Dibromochloromethane	11.13	129	229634	26.156	ug/L	99
50) 1,2-Dibromoethane	11.23	107	195612	25.751	ug/L	99
51) Chlorobenzene	11.65	112	740854	26.135	ug/L	98
52) Ethylbenzene	11.73	91	1443431	27.576	ug/L	98
53) m,p-Xylene	11.83	106	518704	28.242	ug/L	100
54) o-Xylene	12.16	106	486694	28.219	ug/L	96
55) Styrene	12.18	104	849885	28.585	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.71	83	291178	25.826	ug/L	100
59) Bromoform	12.35	173	115283	24.445	ug/L	99
60) Isopropylbenzene	12.46	105	1331657	27.579	ug/L	100
61) 1,2,3-Trichloropropane	12.77	75	222699	24.636	ug/L	100
62) 1,3,5-Trimethylbenzene	12.94	105	1095315	28.450	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	1076110	28.571	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	522632	26.256	ug/L	98
65) 1,4-Dichlorobenzene	13.57	146	521755	25.429	ug/L	99
67) 1,2-Dichlorobenzene	13.87	146	481524	26.144	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.48	75	47774	25.273	ug/L	93
69) 1,3,5-Trichlorobenzene	14.63	180	360634	27.036	ug/L	98
70) 1,2,4-trichlorobenzene	15.13	180	275241	27.527	ug/L	100
71) Naphthalene	15.36	128	271182	26.409	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	259476	28.004	ug/L	99

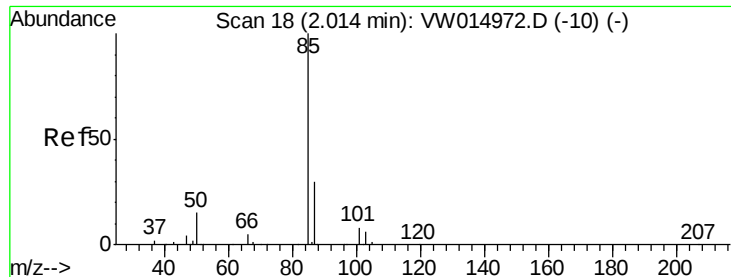
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.001 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

Instrument :

MSVOA_W

ClientSampleId :

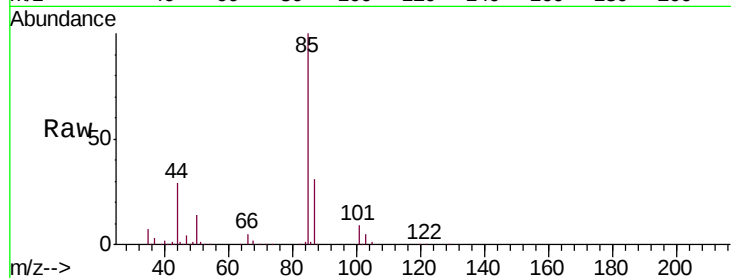
VSTD025308

Tgt Ion: 85 Resp: 161880

Ion Ratio Lower Upper

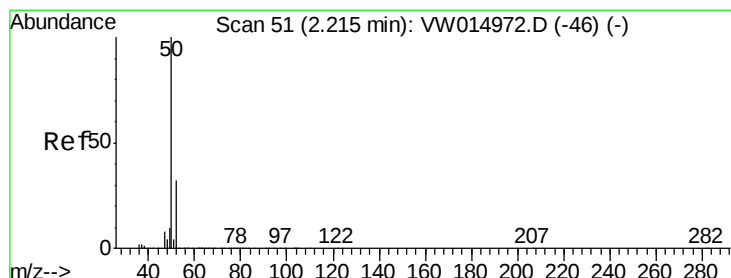
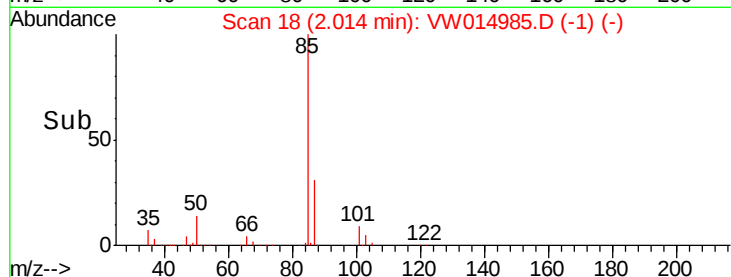
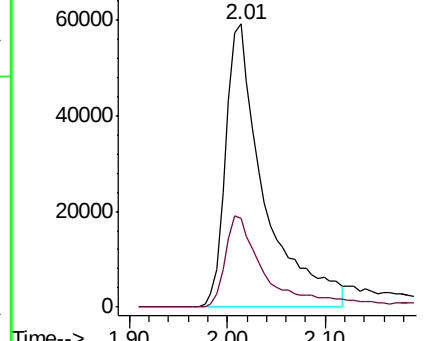
85 100

87 29.6 21.5 32.3



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.936 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014985.D

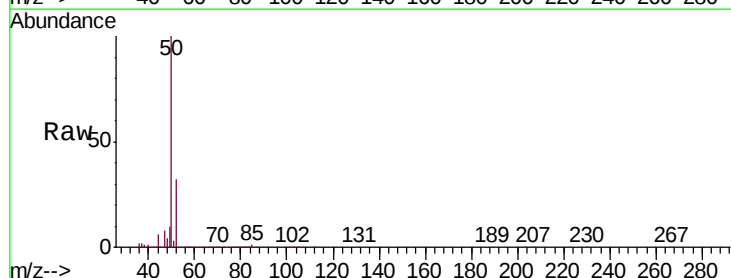
Acq: 13 Feb 2020 17:22

Tgt Ion: 50 Resp: 303540

Ion Ratio Lower Upper

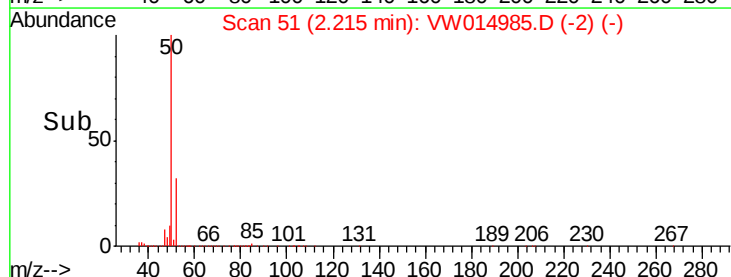
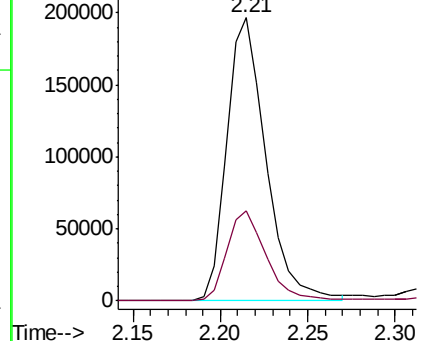
50 100

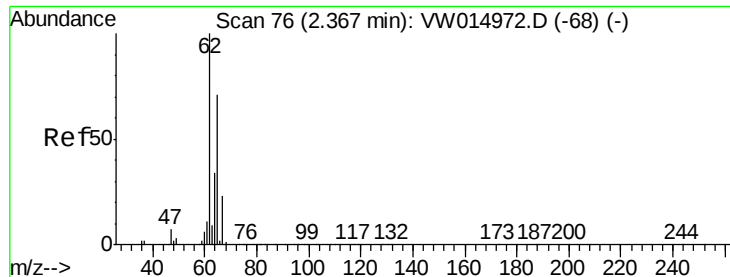
52 31.9 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 22.954 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

Instrument :

MSVOA_W

ClientSampleId :

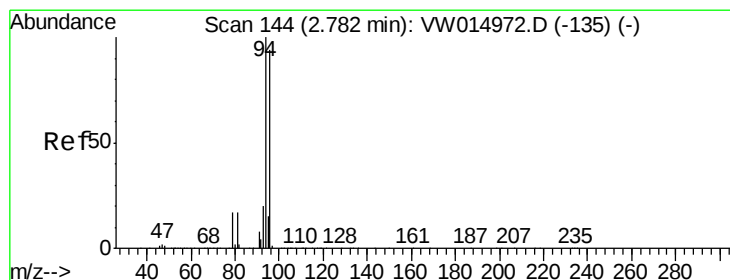
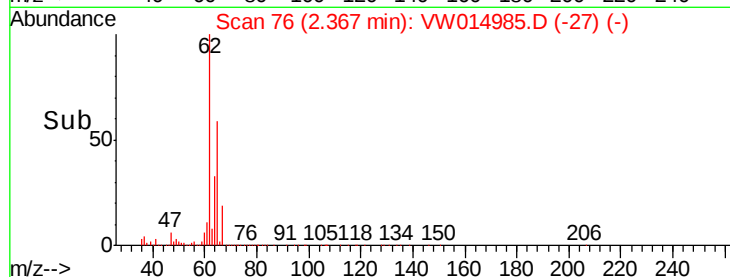
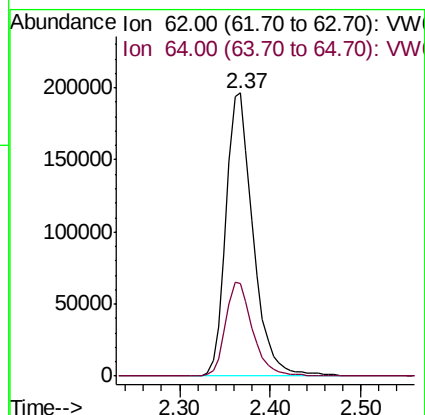
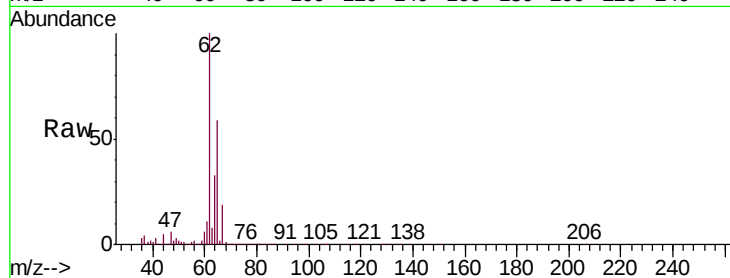
VSTD025308

Tgt Ion: 62 Resp: 408862

Ion Ratio Lower Upper

62 100

64 32.7 23.6 43.8



#6

Bromomethane

Concen: 23.003 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014985.D

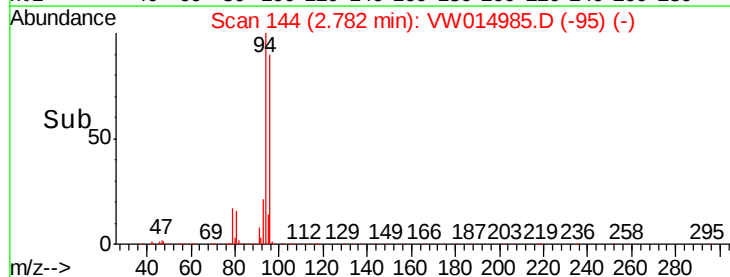
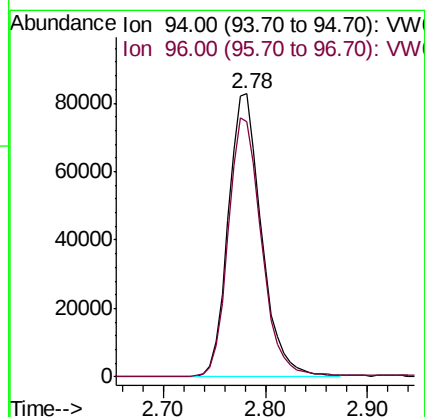
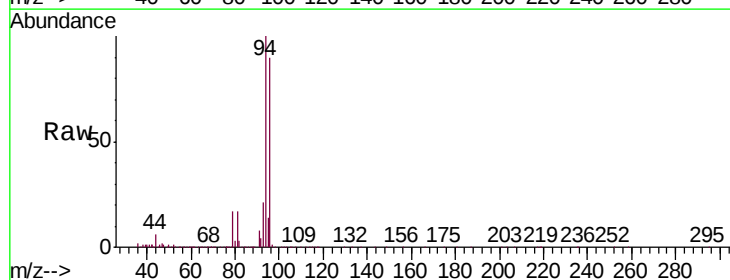
Acq: 13 Feb 2020 17:22

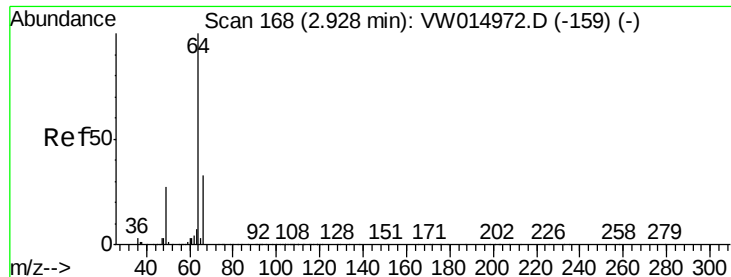
Tgt Ion: 94 Resp: 185859

Ion Ratio Lower Upper

94 100

96 90.2 65.8 122.2





#8

Chloroethane

Concen: 23.976 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

Instrument :

MSVOA_W

ClientSampleId :

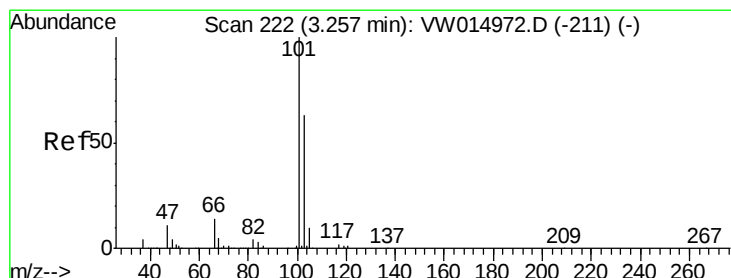
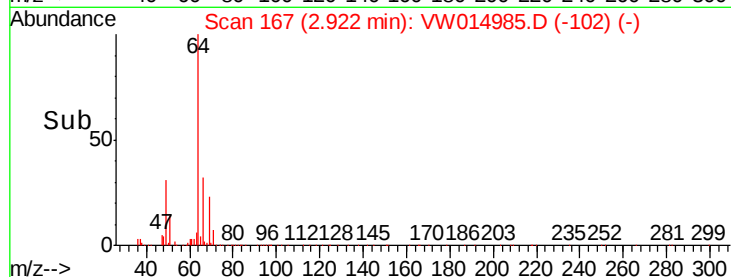
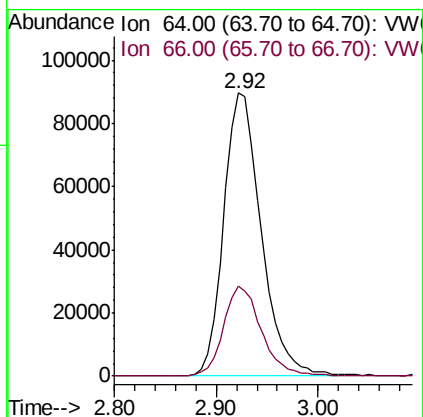
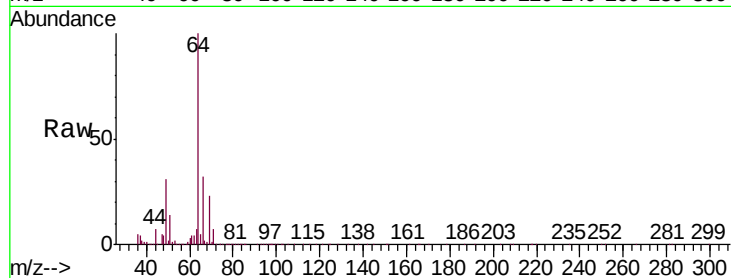
VSTD025308

Tgt Ion: 64 Resp: 228479

Ion Ratio Lower Upper

64 100

66 31.8 23.1 42.9



#9

Trichlorofluoromethane

Concen: 22.087 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW014985.D

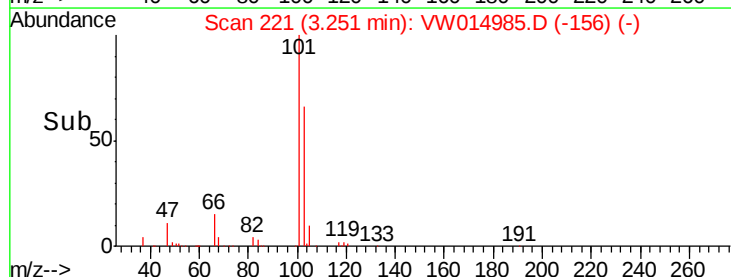
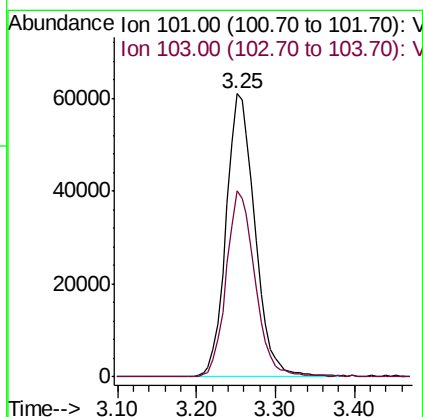
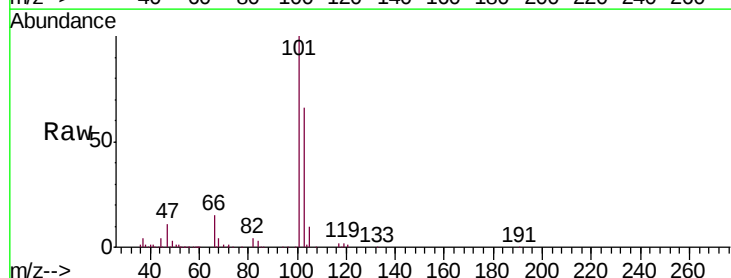
Acq: 13 Feb 2020 17:22

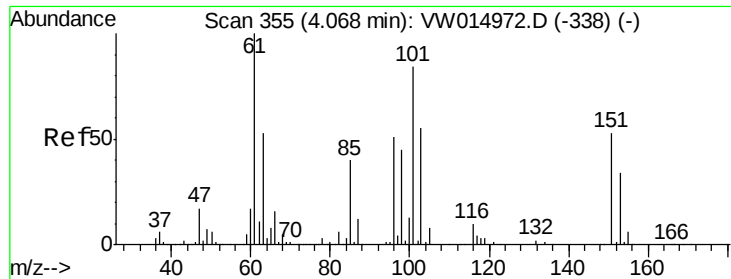
Tgt Ion: 101 Resp: 155370

Ion Ratio Lower Upper

101 100

103 64.9 51.5 77.3





#10

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

Concen: 24.195 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

Instrument :

MSVOA_W

ClientSampled :

VSTD025308

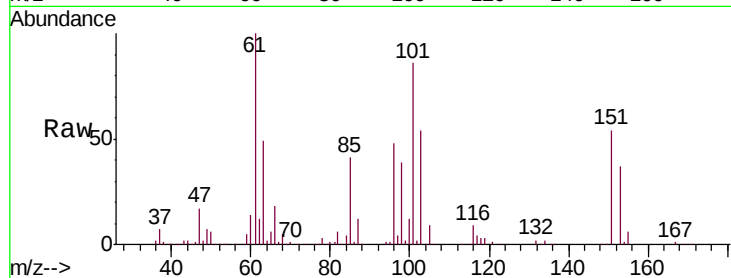
Tgt Ion: 101 Resp: 278479

Ion Ratio Lower Upper

101 100

85 47.2 36.5 54.7

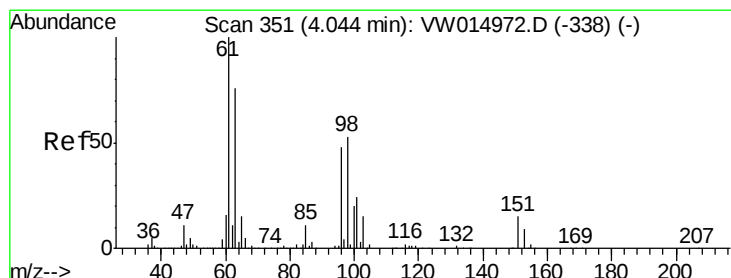
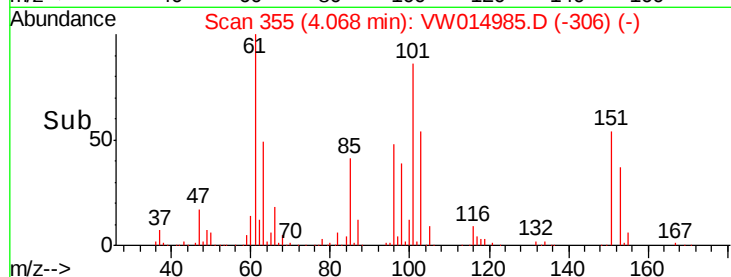
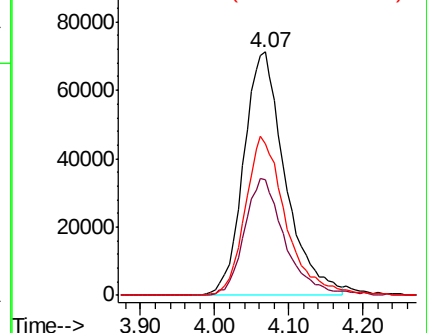
151 63.6 50.2 75.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.545 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

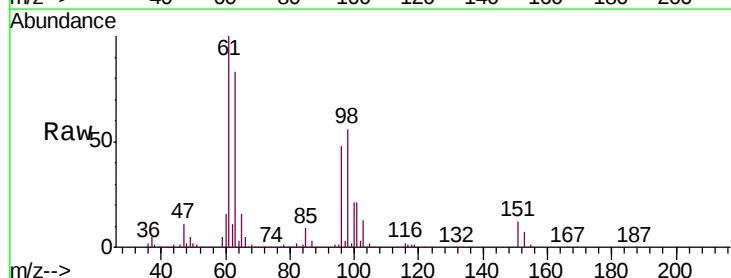
Tgt Ion: 96 Resp: 270928

Ion Ratio Lower Upper

96 100

61 208.8 147.0 273.0

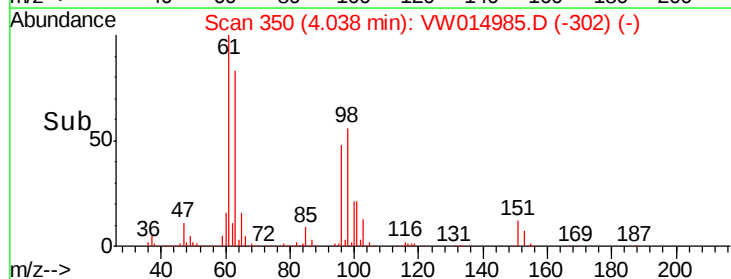
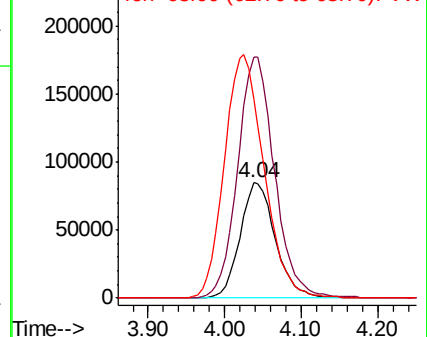
63 172.4 113.4 210.6

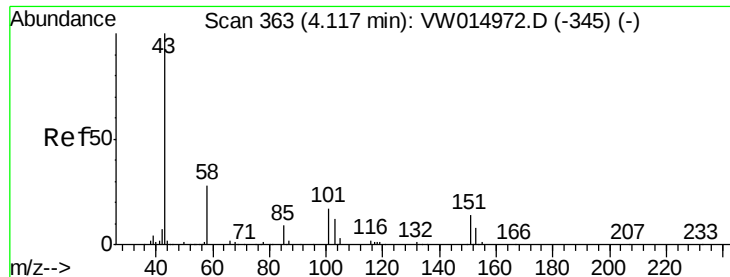


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 47.464 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

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ClientSampleId :

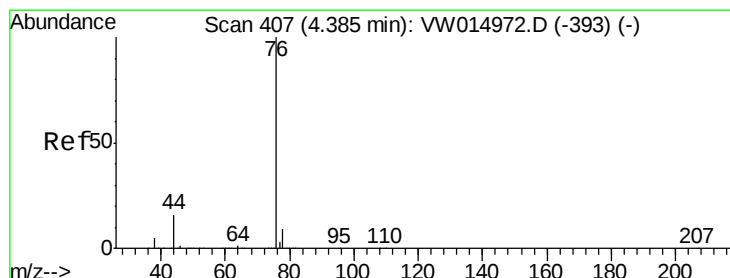
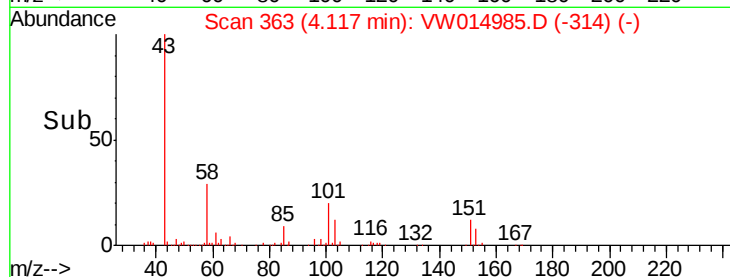
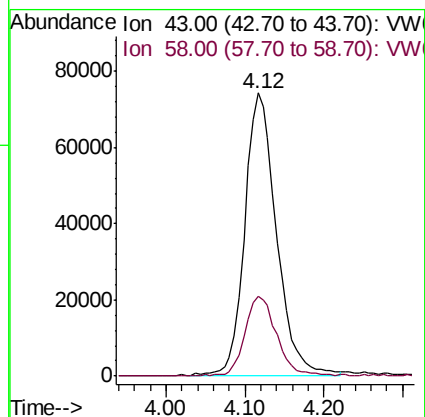
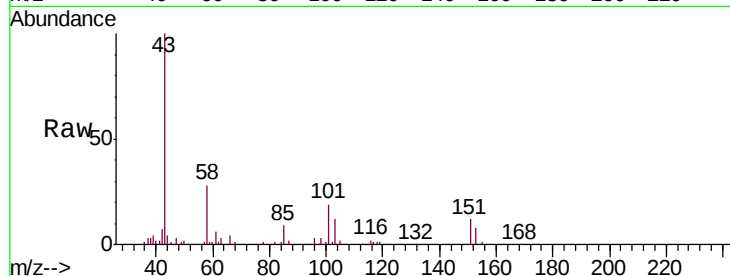
VSTD025308

Tgt Ion: 43 Resp: 205982

Ion Ratio Lower Upper

43 100

58 28.1 0.0 54.6



#14

Carbon disulfide

Concen: 24.007 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014985.D

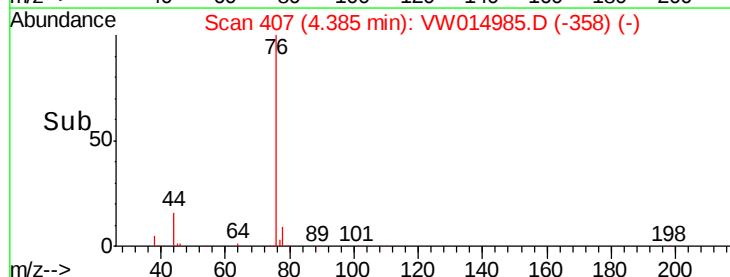
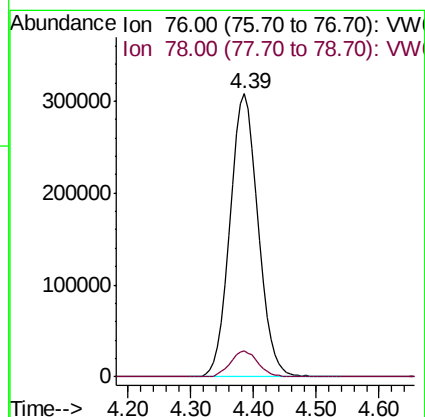
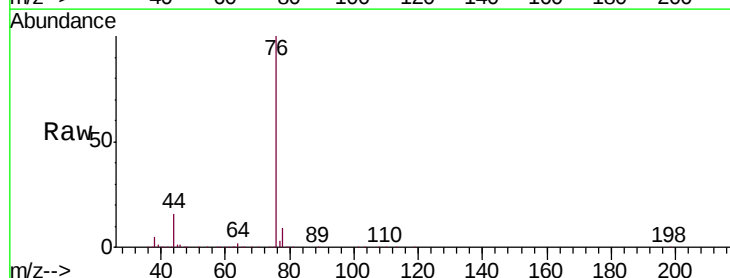
Acq: 13 Feb 2020 17:22

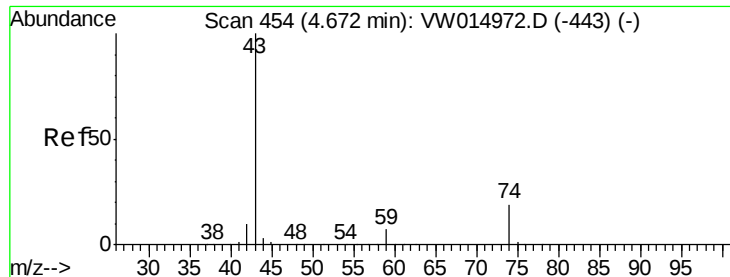
Tgt Ion: 76 Resp: 957948

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8





#15

Methyl Acetate

Concen: 24.612 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

Instrument :

MSVOA_W

ClientSampleId :

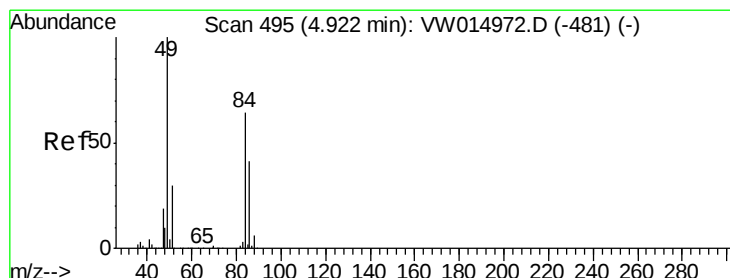
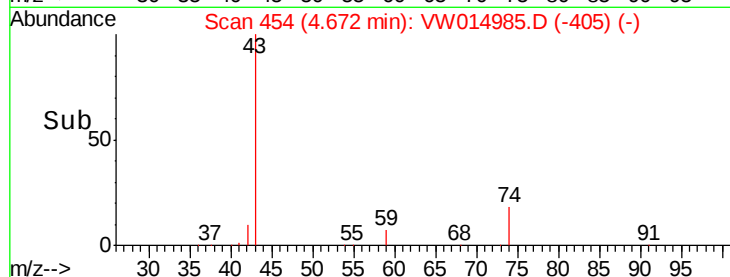
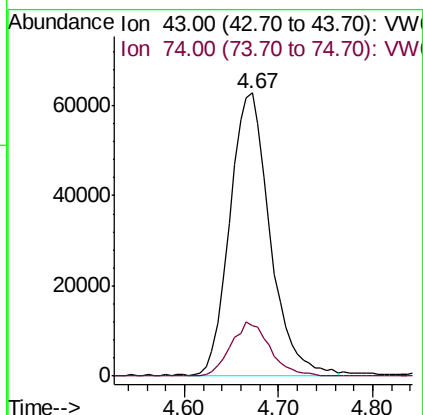
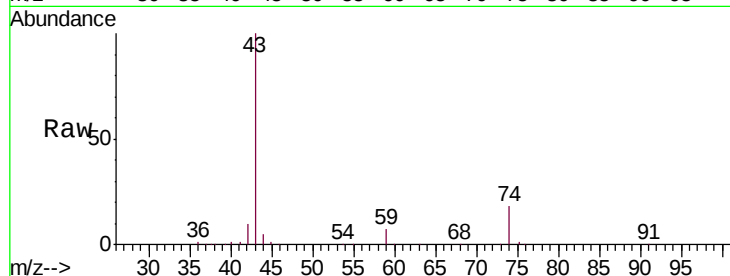
VSTD025308

Tgt Ion: 43 Resp: 185331

Ion Ratio Lower Upper

43 100

74 18.7 14.6 21.8



#16

Methylene chloride

Concen: 25.285 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

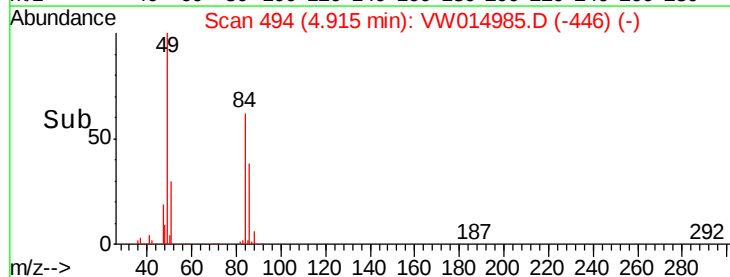
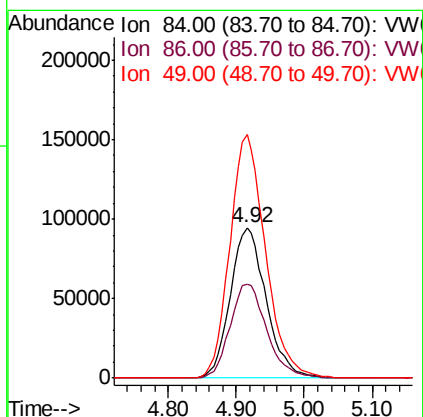
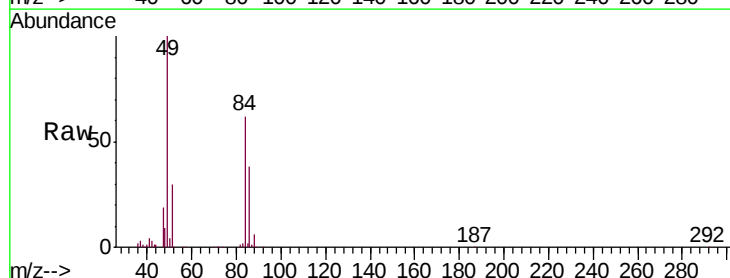
Tgt Ion: 84 Resp: 346034

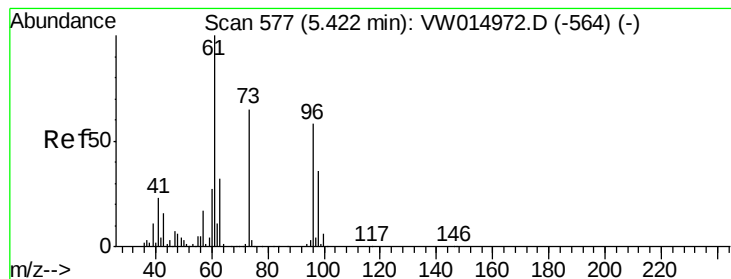
Ion Ratio Lower Upper

84 100

86 62.3 44.4 82.4

49 162.1 109.0 202.4





#17

trans-1,2-Dichloroethene

Concen: 25.226 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD025308

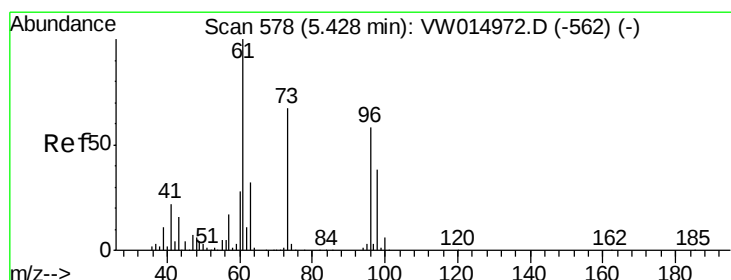
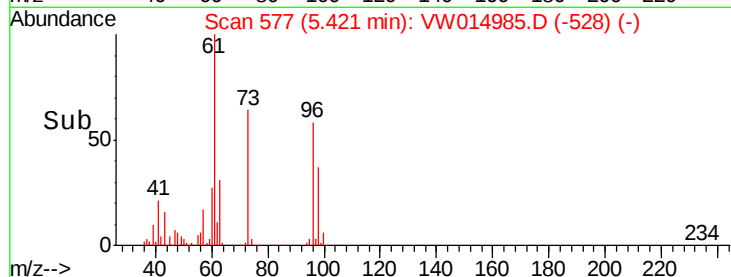
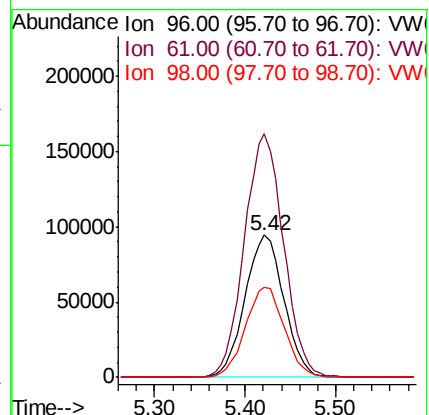
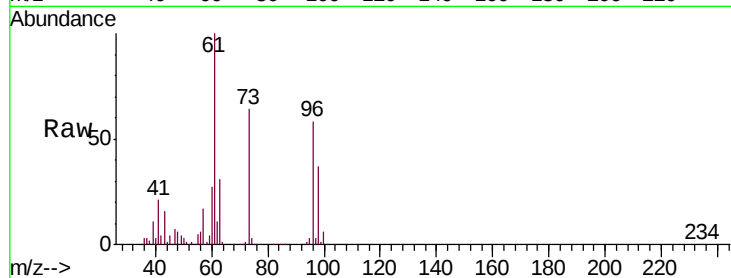
Tgt Ion: 96 Resp: 280958

Ion Ratio Lower Upper

96 100

61 171.3 120.1 223.1

98 63.7 43.8 81.3



#18

Methyl tert-butyl Ether

Concen: 26.342 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

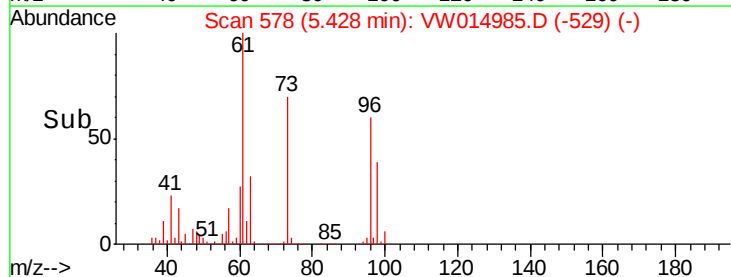
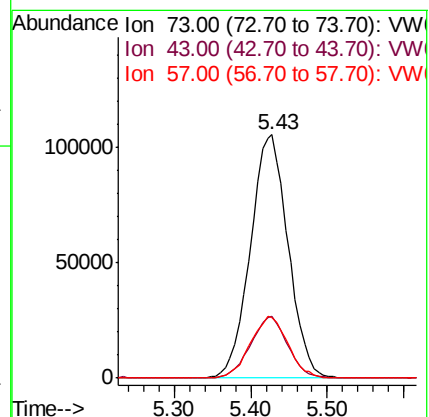
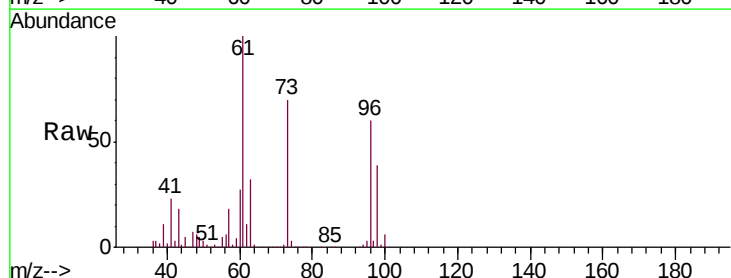
Tgt Ion: 73 Resp: 362118

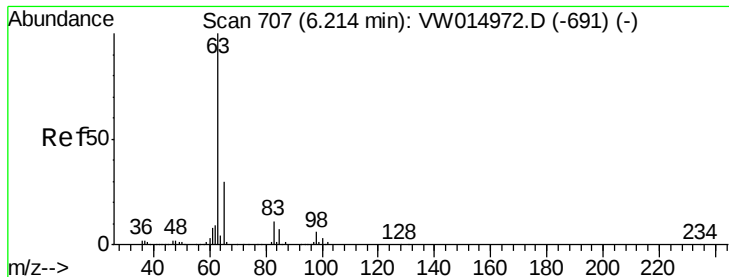
Ion Ratio Lower Upper

73 100

43 24.5 19.6 29.4

57 25.3 21.0 31.4





#19

1,1-Dichloroethane

Concen: 25.153 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

Instrument :

MSVOA_W

ClientSampled :

VSTD025308

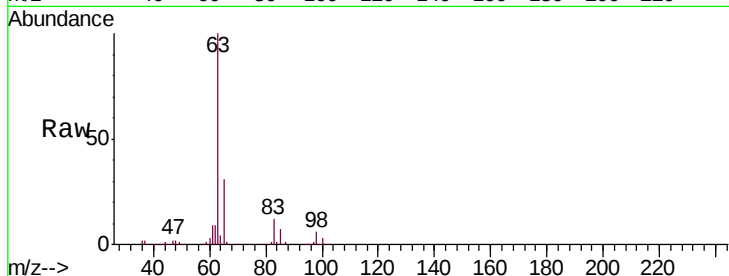
Tgt Ion: 63 Resp: 625747

Ion Ratio Lower Upper

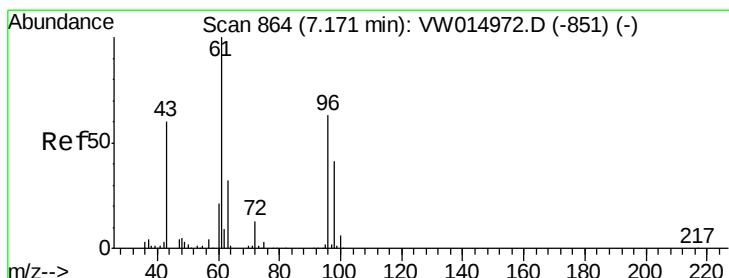
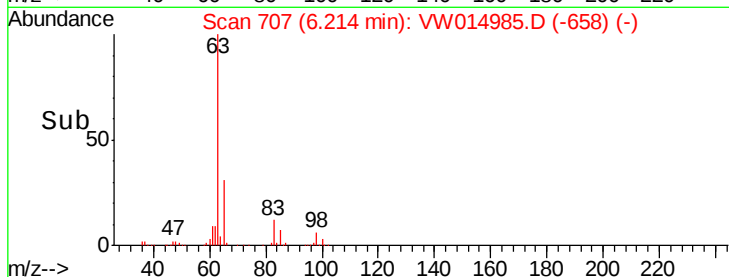
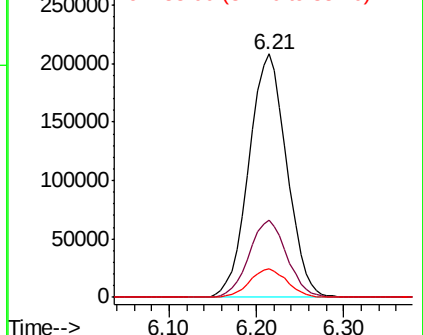
63 100

65 31.5 20.9 38.7

83 12.0 7.8 14.6



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#20

cis-1,2-Dichloroethene

Concen: 26.076 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

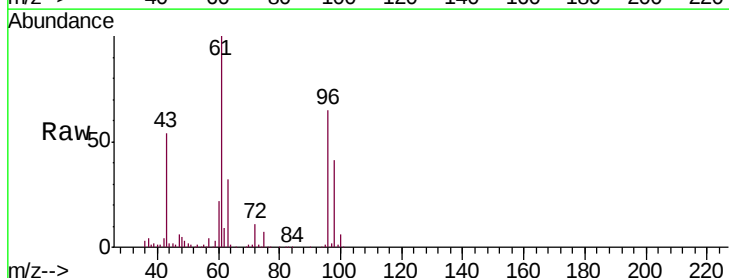
Tgt Ion: 96 Resp: 299323

Ion Ratio Lower Upper

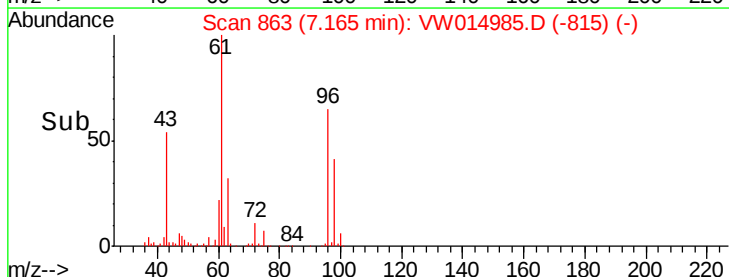
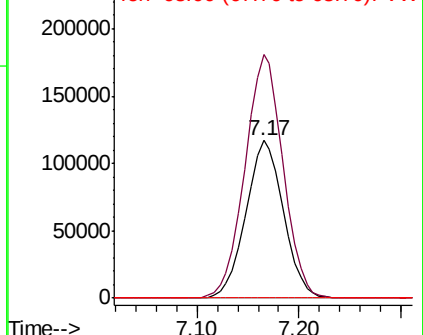
96 100

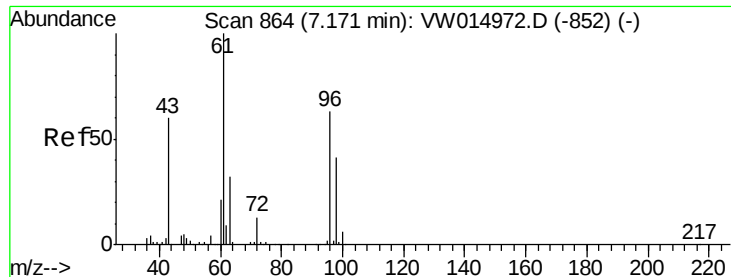
61 154.4 111.5 207.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 68.00 (67.70 to 68.70): VW





#22

2-Butanone

Concen: 51.620 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

Instrument :

MSVOA_W

ClientSampleId :

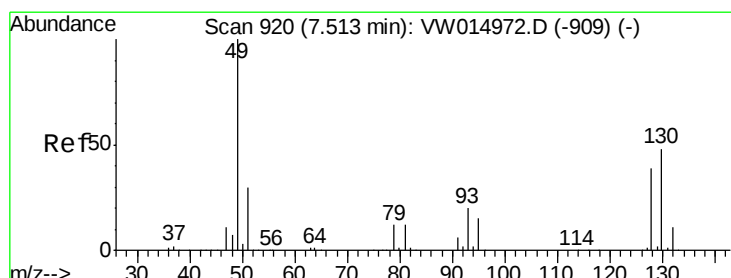
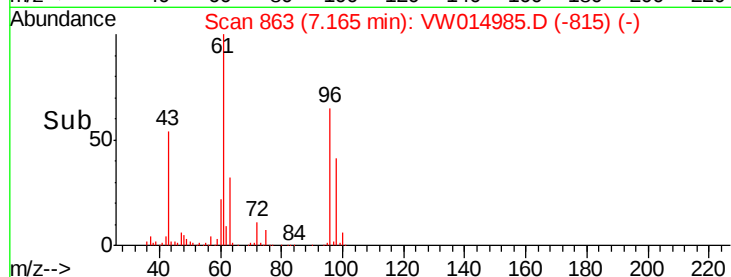
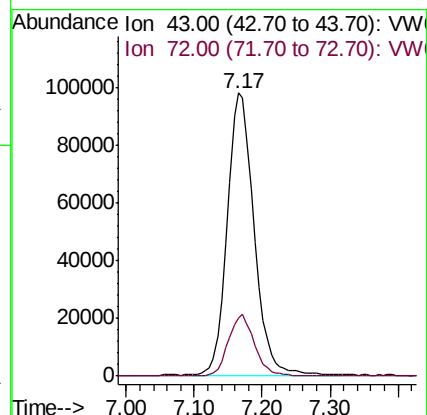
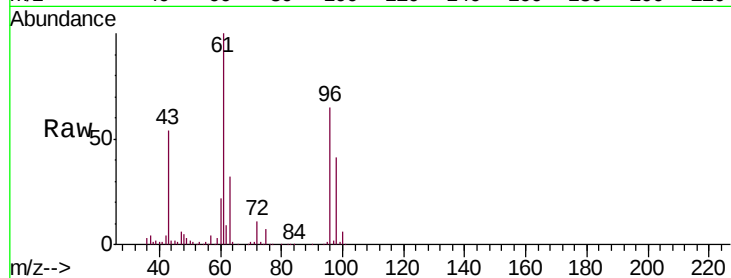
VSTD025308

Tgt Ion: 43 Resp: 269302

Ion Ratio Lower Upper

43 100

72 21.0 11.1 33.1



#23

Bromochloromethane

Concen: 24.928 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

Tgt Ion: 128 Resp: 116068

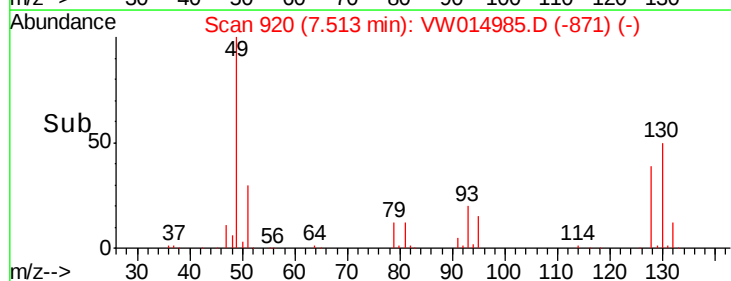
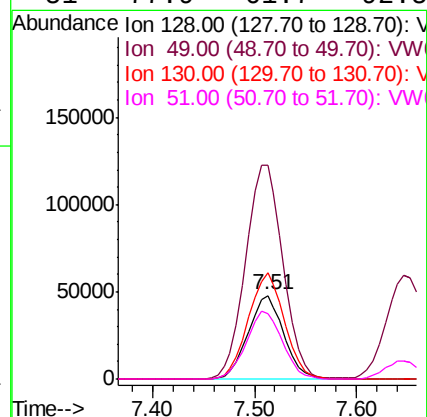
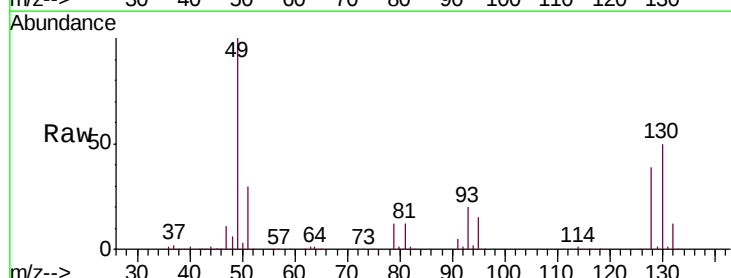
Ion Ratio Lower Upper

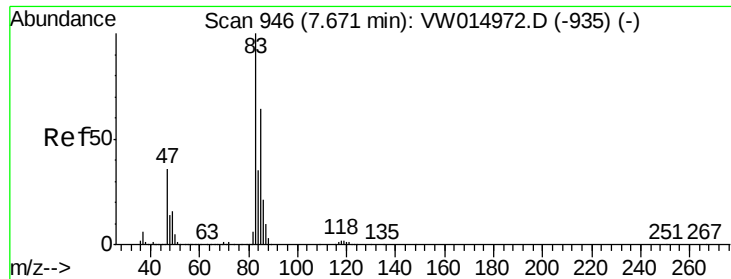
128 100

49 256.1 179.0 332.4

130 127.3 85.5 158.7

51 77.9 61.7 92.5





#25

Chloroform

Concen: 25.128 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

Instrument :

MSVOA_W

ClientSampleId :

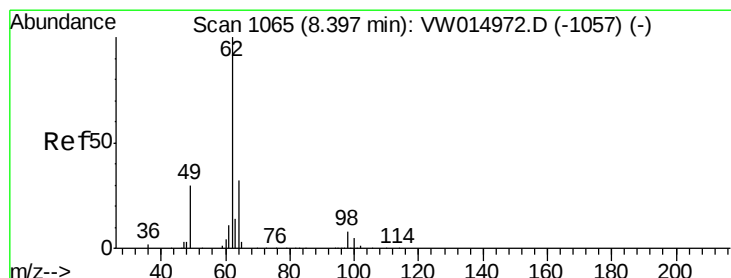
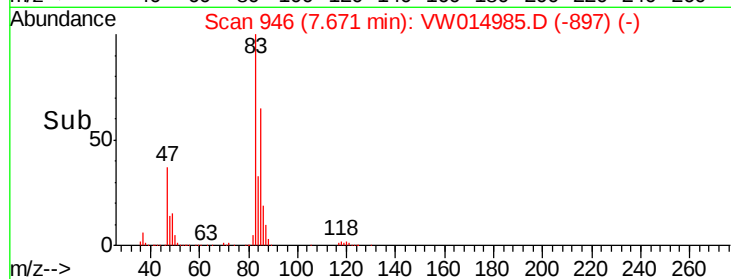
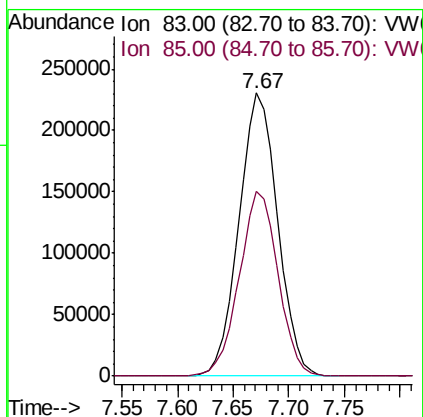
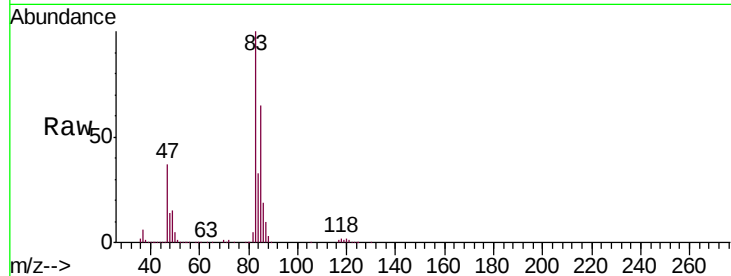
VSTD025308

Tgt Ion: 83 Resp: 557020

Ion Ratio Lower Upper

83 100

85 65.3 45.1 83.7



#27

1,2-Dichloroethane

Concen: 25.109 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014985.D

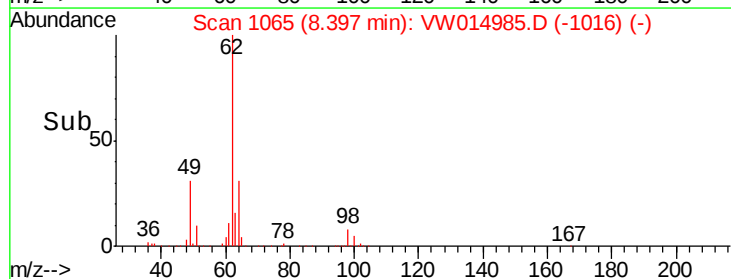
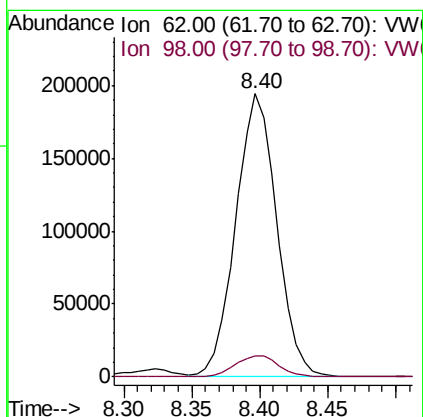
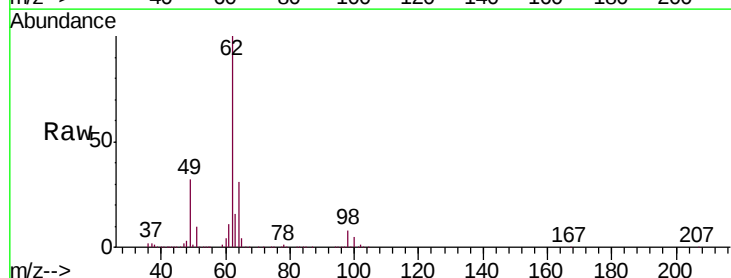
Acq: 13 Feb 2020 17:22

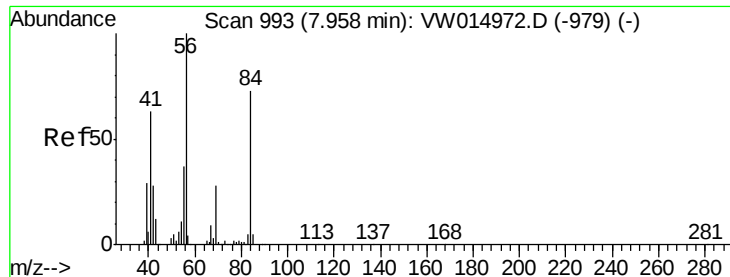
Tgt Ion: 62 Resp: 409039

Ion Ratio Lower Upper

62 100

98 7.5 6.2 9.4

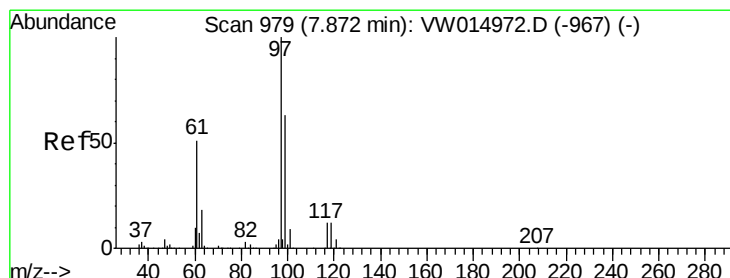
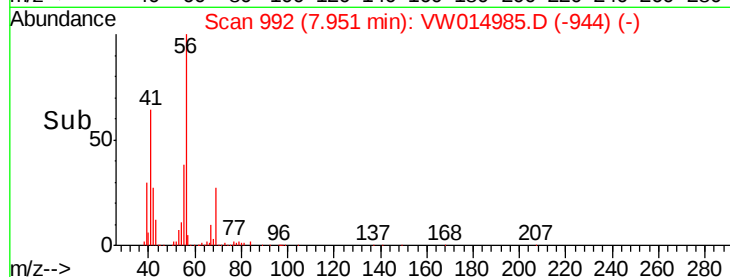
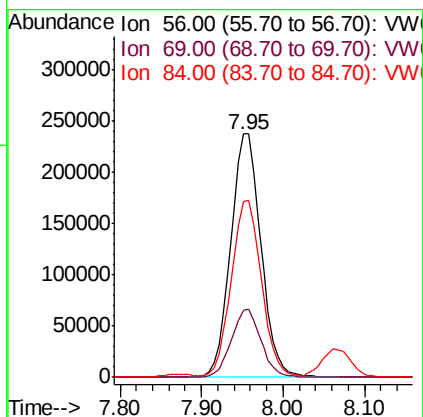
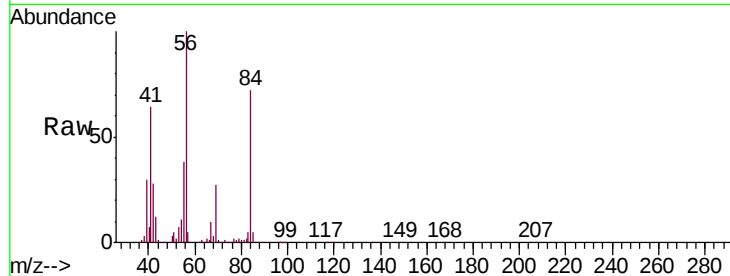




#29
Cyclohexane
Concen: 27.530 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW014985.D
Acq: 13 Feb 2020 17:22

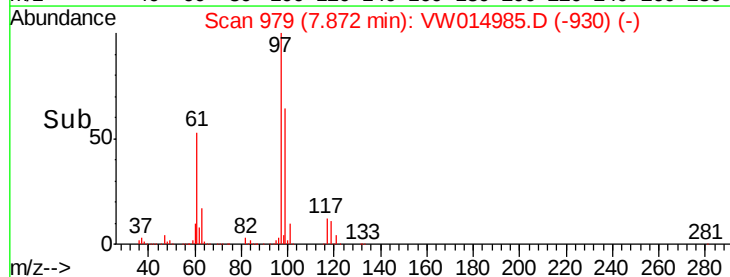
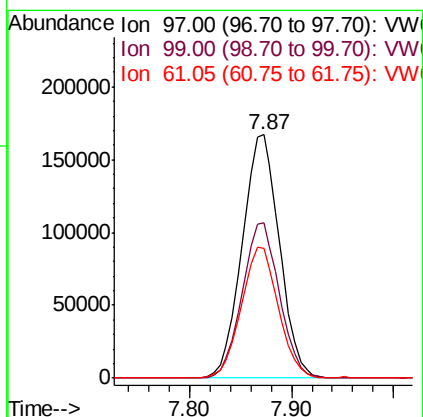
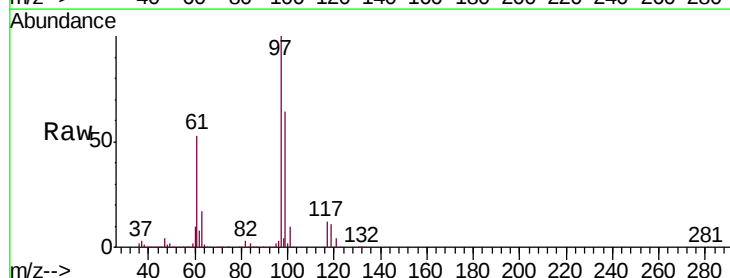
Instrument :
MSVOA_W
ClientSampleId :
VSTD025308

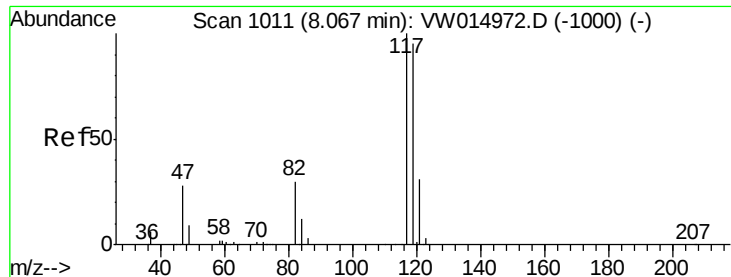
Tgt Ion: 56 Resp: 608055
Ion Ratio Lower Upper
56 100
69 27.3 22.0 33.0
84 72.7 57.8 86.6



#30
1,1,1-Trichloroethane
Concen: 25.791 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW014985.D
Acq: 13 Feb 2020 17:22

Tgt Ion: 97 Resp: 424961
Ion Ratio Lower Upper
97 100
99 63.6 50.6 75.8
61 53.5 42.7 64.1

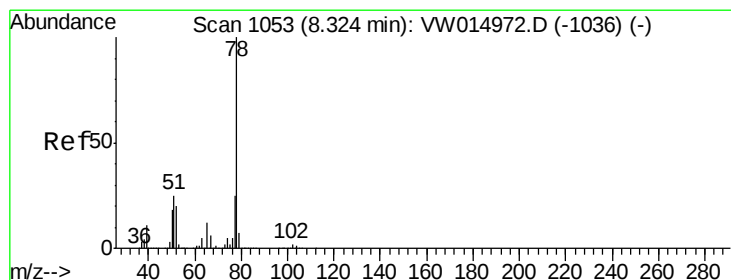
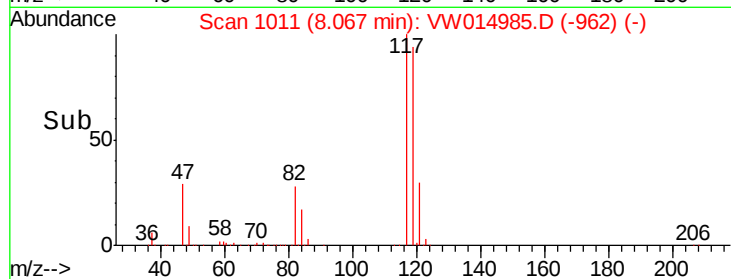
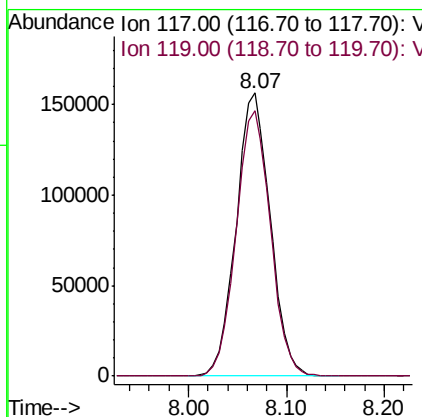
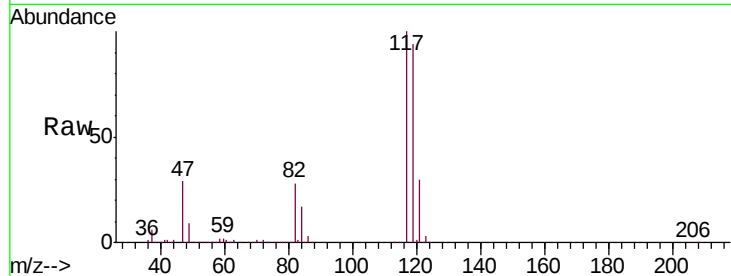




#31
Carbon tetrachloride
Concen: 25.458 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW014985.D
Acq: 13 Feb 2020 17:22

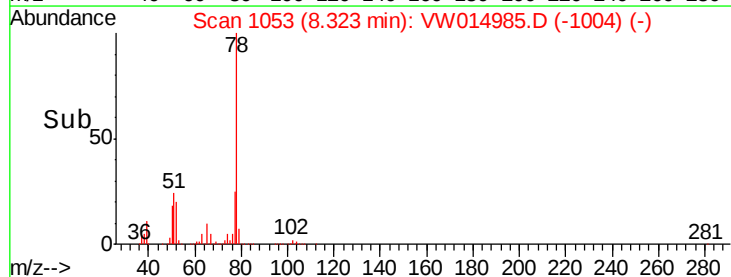
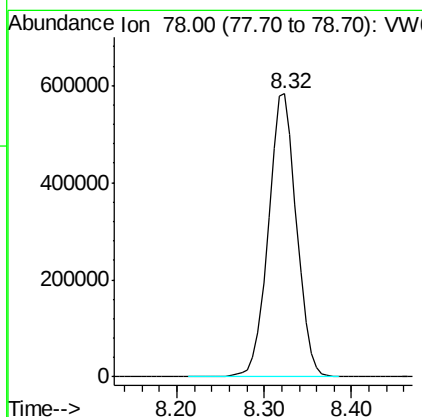
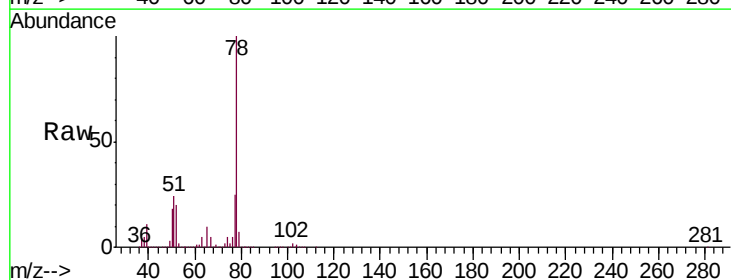
Instrument :
MSVOA_W
ClientSampleId :
VSTD025308

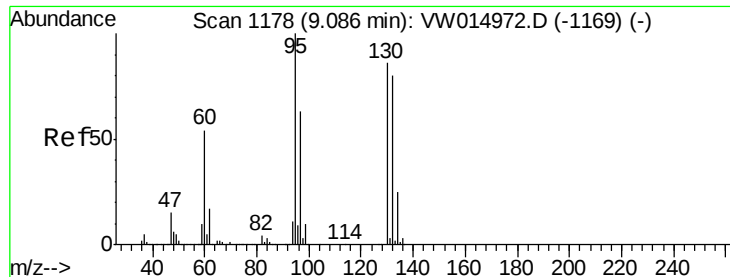
Tgt Ion:117 Resp: 378107
Ion Ratio Lower Upper
117 100
119 94.5 76.6 114.8



#33
Benzene
Concen: 26.303 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW014985.D
Acq: 13 Feb 2020 17:22

Tgt Ion: 78 Resp: 1308155

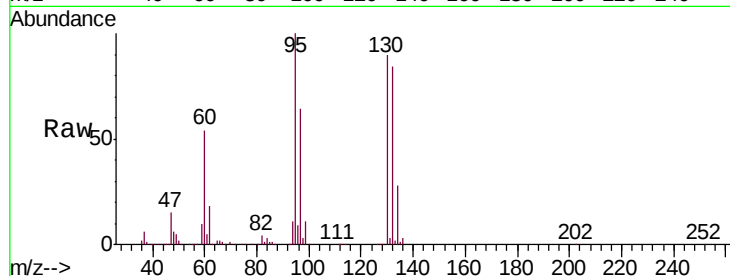




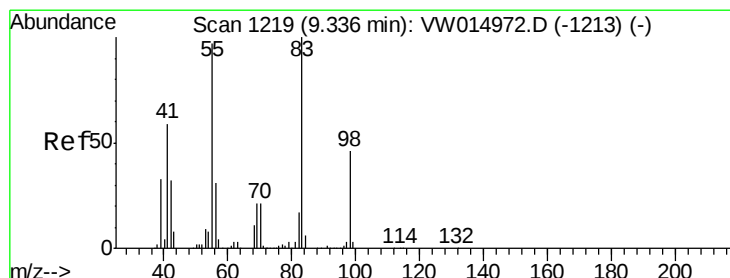
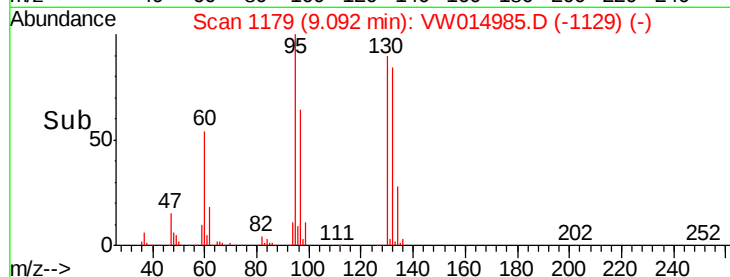
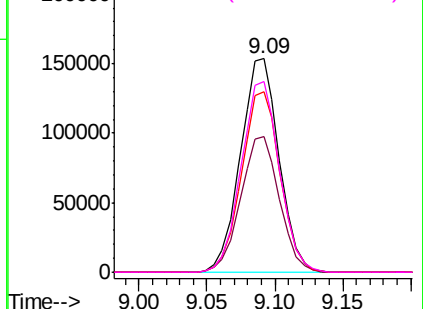
#34
 Trichloroethene
 Concen: 25.544 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW014985.D
 Acq: 13 Feb 2020 17:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025308

Tgt Ion:	95	Resp:	304253
Ion	Ratio	Lower	Upper
95	100		
97	63.6	44.2	82.0
132	84.3	56.1	104.3
130	89.5	60.1	111.7

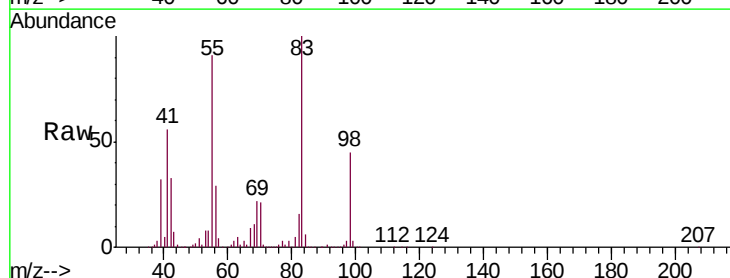


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

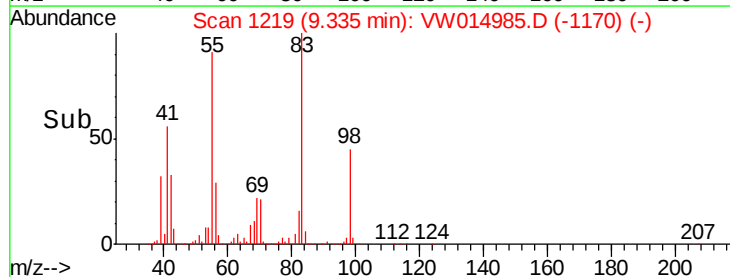
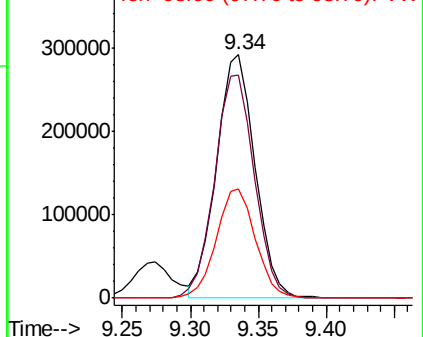


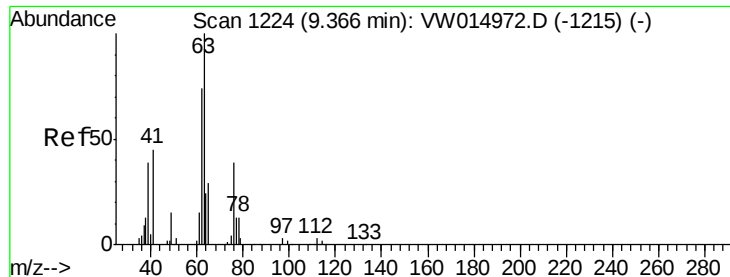
#35
 Methylcyclohexane
 Concen: 27.937 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW014985.D
 Acq: 13 Feb 2020 17:22

Tgt Ion:	83	Resp:	573944
Ion	Ratio	Lower	Upper
83	100		
55	94.1	76.3	114.5
98	45.5	36.4	54.6



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





#37

1,2-Dichloropropane

Concen: 26.251 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

Instrument :

MSVOA_W

ClientSampleId :

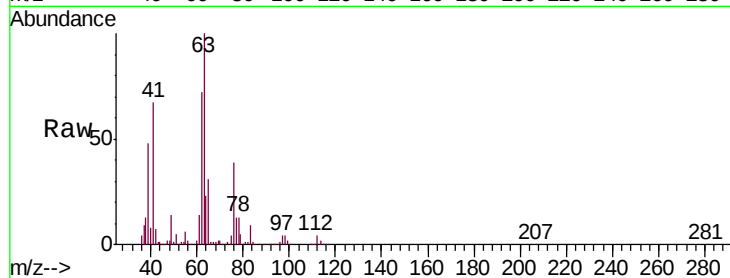
VSTD025308

Tgt Ion: 63 Resp: 364628

Ion Ratio Lower Upper

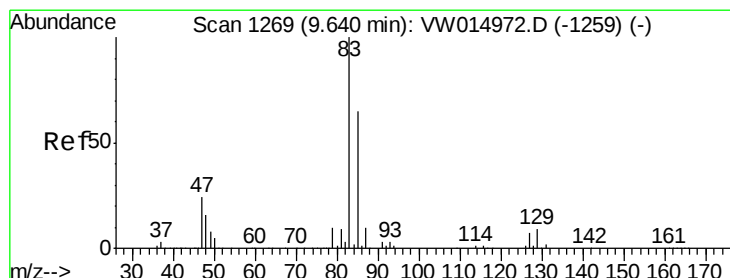
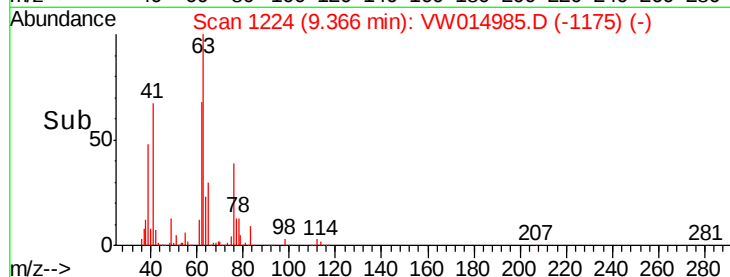
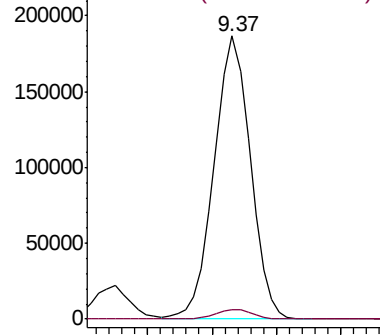
63 100

112 3.3 2.6 4.0



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 25.910 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

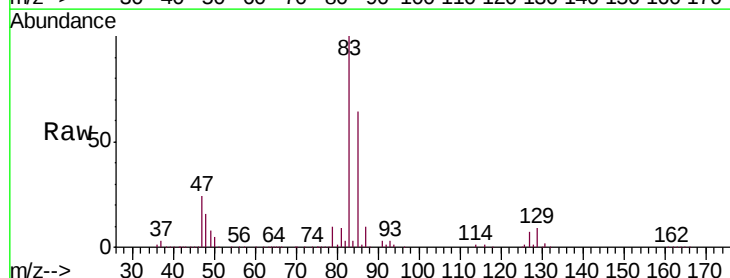
Tgt Ion: 83 Resp: 405273

Ion Ratio Lower Upper

83 100

85 63.9 45.2 84.0

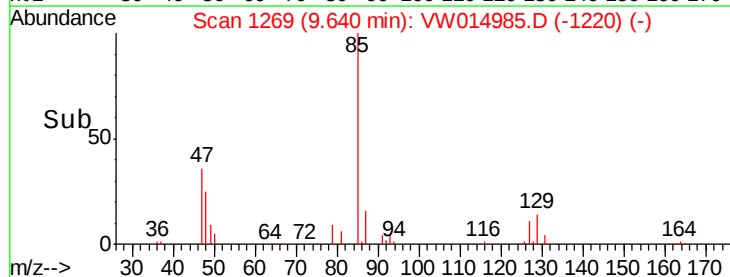
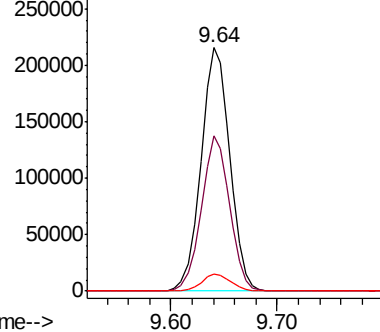
127 6.8 5.5 8.3

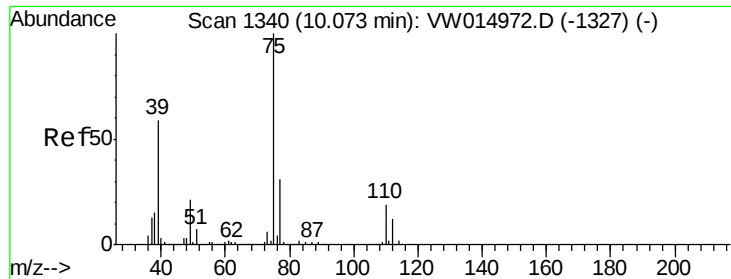


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

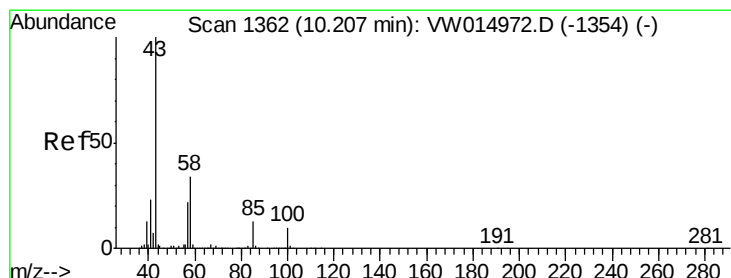
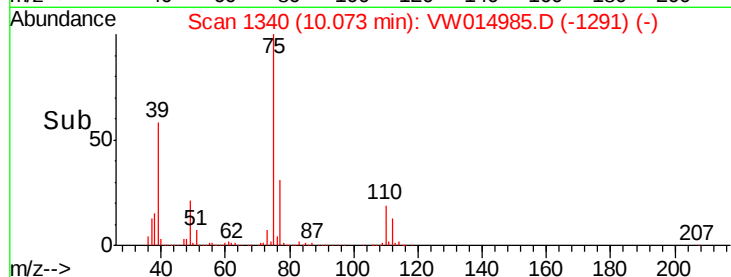
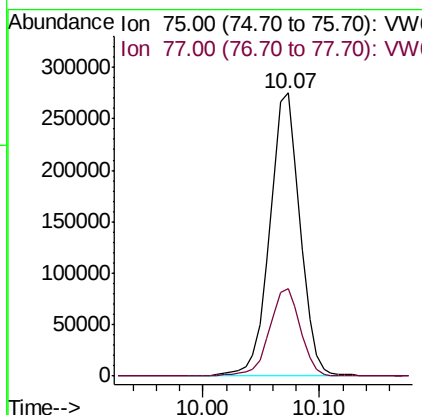
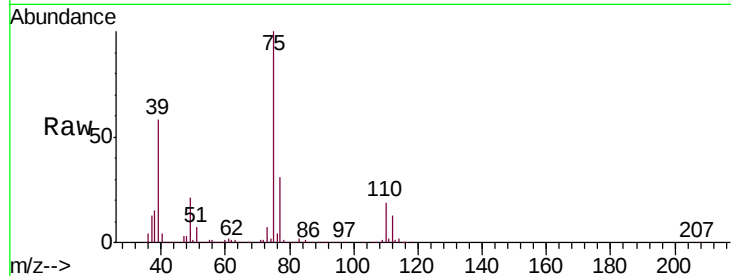




#39
 cis-1,3-Dichloropropene
 Concen: 26.717 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW014985.D
 Acq: 13 Feb 2020 17:22

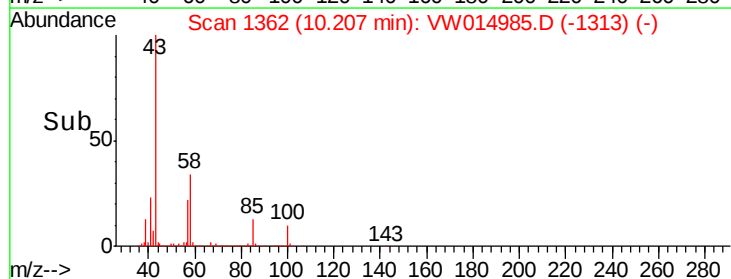
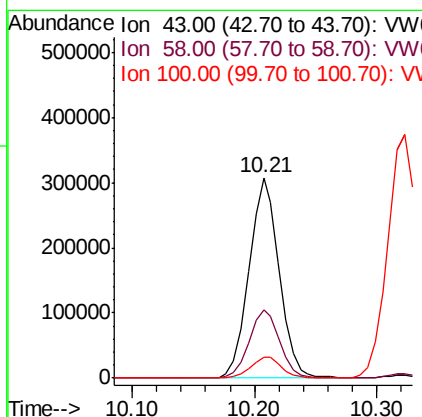
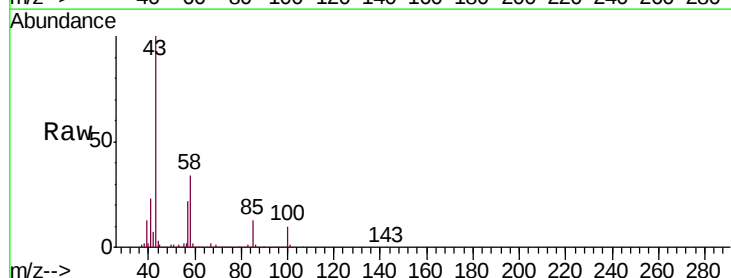
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025308

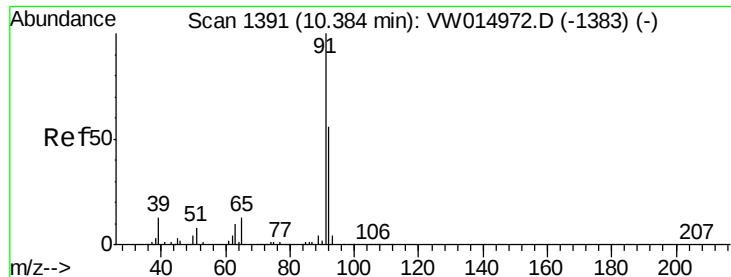
Tgt Ion: 75 Resp: 496503
 Ion Ratio Lower Upper
 75 100
 77 30.8 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 52.986 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014985.D
 Acq: 13 Feb 2020 17:22

Tgt Ion: 43 Resp: 523980
 Ion Ratio Lower Upper
 43 100
 58 34.5 27.7 41.5
 100 10.7 8.6 13.0





#42

Toluene

Concen: 27.589 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

Instrument :

MSVOA_W

ClientSampleId :

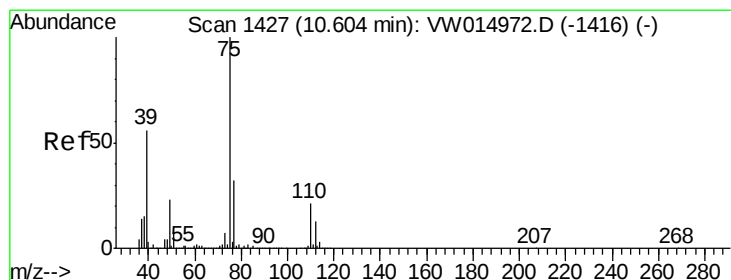
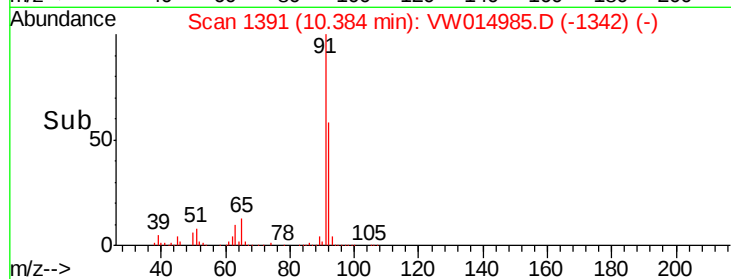
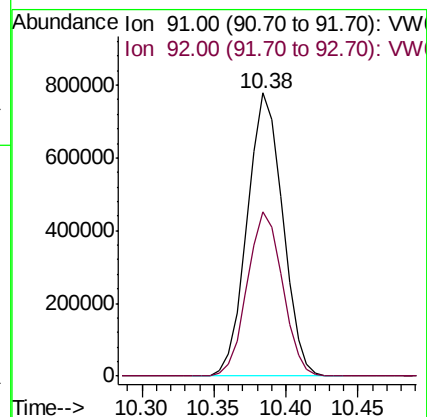
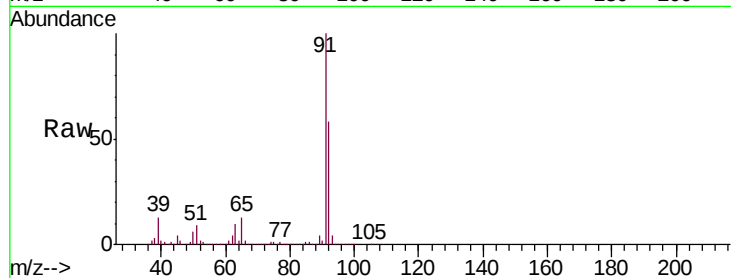
VSTD025308

Tgt Ion: 91 Resp: 1325788

Ion Ratio Lower Upper

91 100

92 57.9 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 26.464 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014985.D

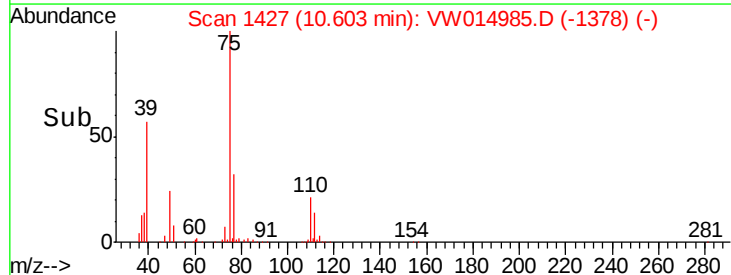
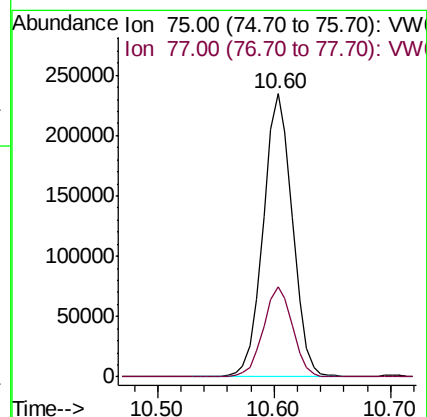
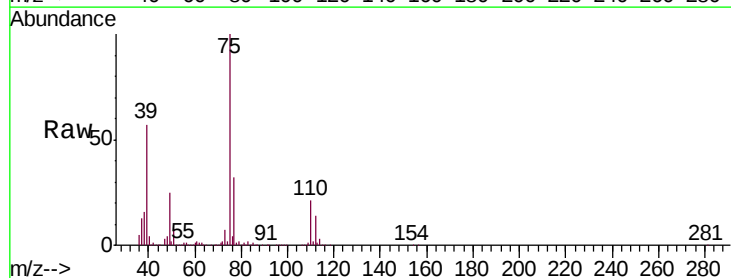
Acq: 13 Feb 2020 17:22

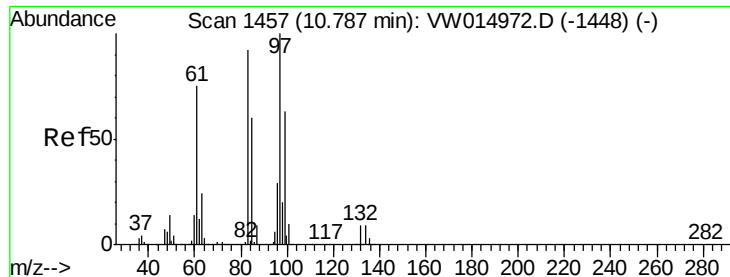
Tgt Ion: 75 Resp: 407985

Ion Ratio Lower Upper

75 100

77 31.8 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 25.947 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD025308

Tgt Ion: 97 Resp: 218631

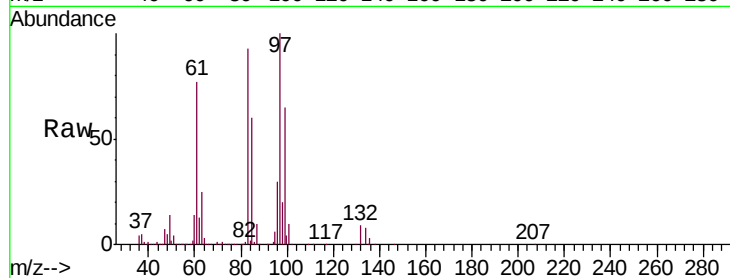
Ion Ratio Lower Upper

97 100

99 65.3 44.2 82.0

83 92.9 64.1 119.1

85 59.7 42.1 78.1

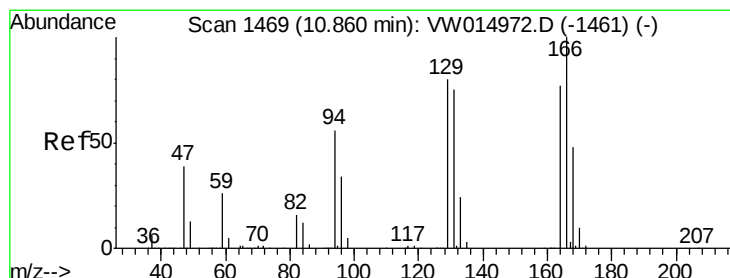
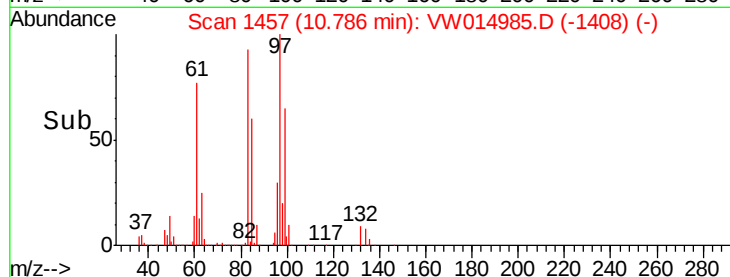
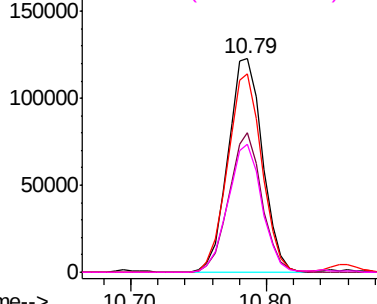


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#46

Tetrachloroethene

Concen: 25.896 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

Tgt Ion: 164 Resp: 200302

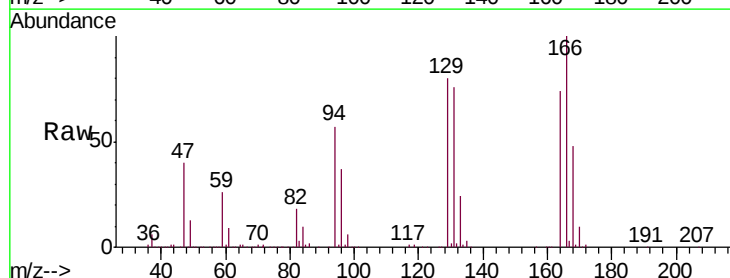
Ion Ratio Lower Upper

164 100

129 108.0 72.2 134.2

131 102.5 68.1 126.5

166 134.7 90.6 168.2

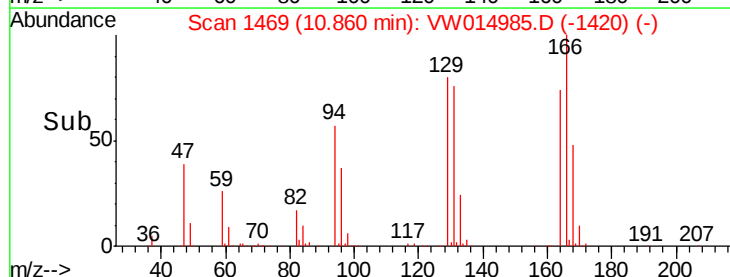
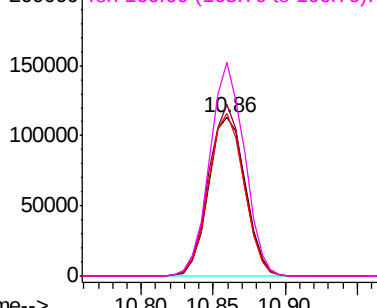


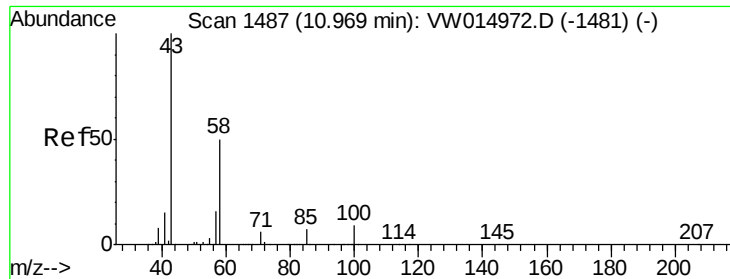
Abundance Ion 164.00 (163.70 to 164.70): V

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

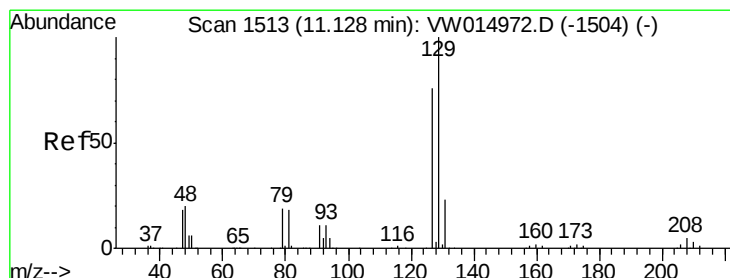
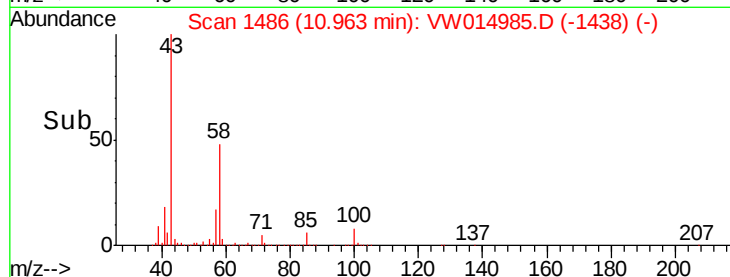
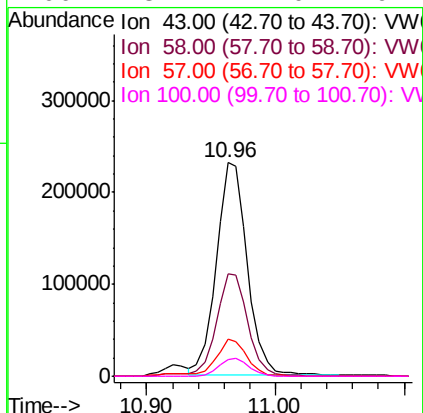
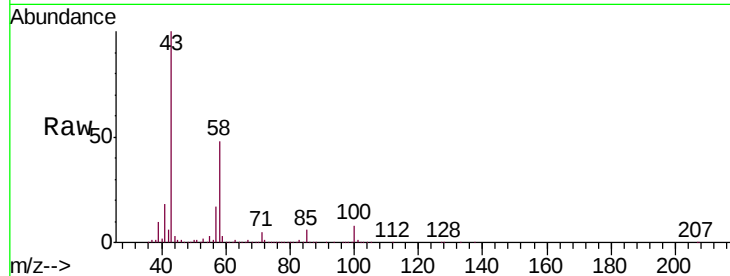




#48
2-Hexanone
Concen: 54.145 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW014985.D
Acq: 13 Feb 2020 17:22

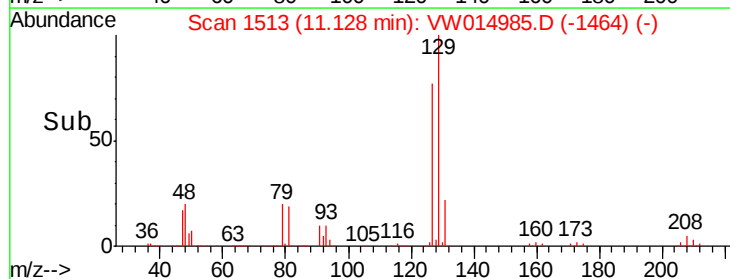
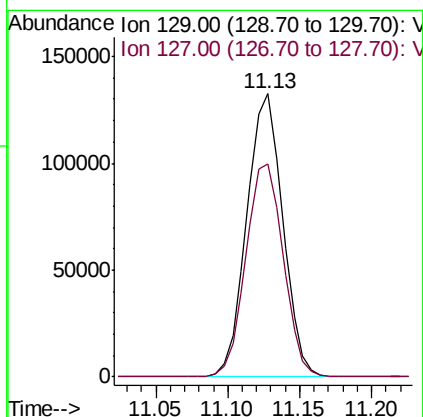
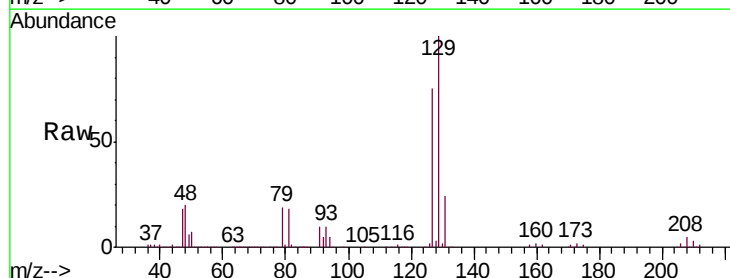
Instrument :
MSVOA_W
ClientSampleId :
VSTD025308

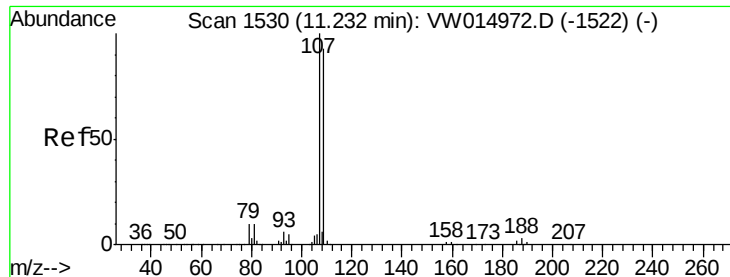
Tgt Ion:	43	Resp:	390129
Ion	Ratio	Lower	Upper
43	100		
58	47.9	39.2	58.8
57	16.9	13.1	19.7
100	8.2	7.0	10.4



#49
Dibromochloromethane
Concen: 26.156 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014985.D
Acq: 13 Feb 2020 17:22

Tgt Ion:	129	Resp:	229634
Ion	Ratio	Lower	Upper
129	100		
127	75.2	53.0	98.4

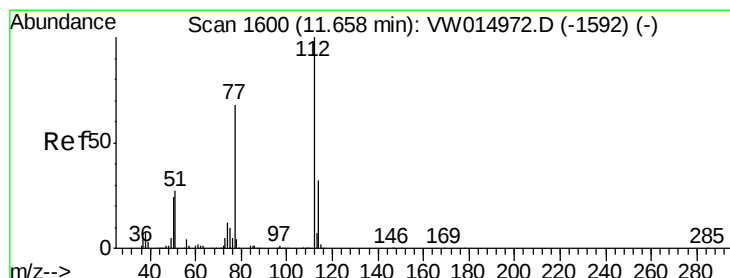
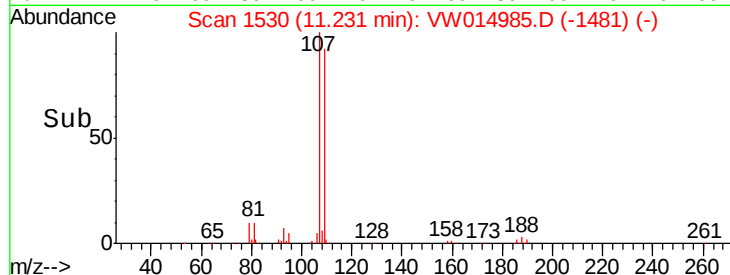
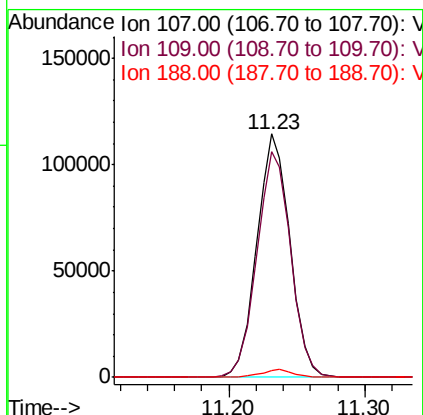
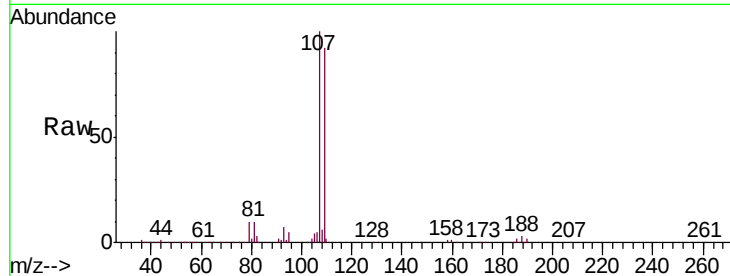




#50
 1,2-Dibromoethane
 Concen: 25.751 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014985.D
 Acq: 13 Feb 2020 17:22

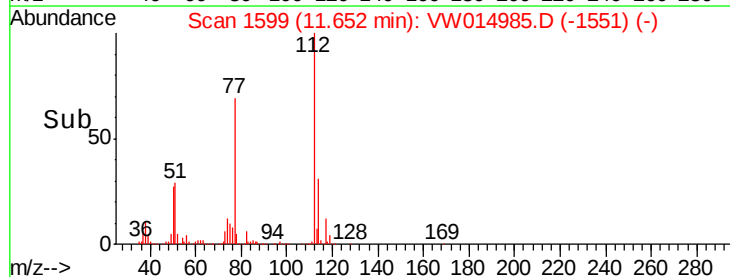
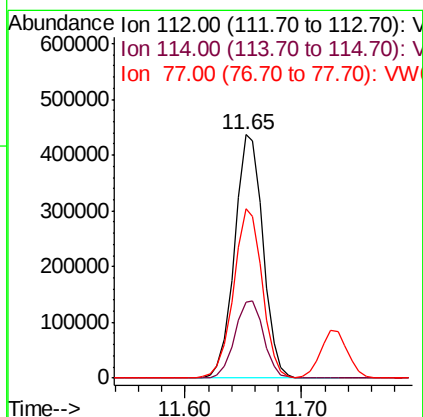
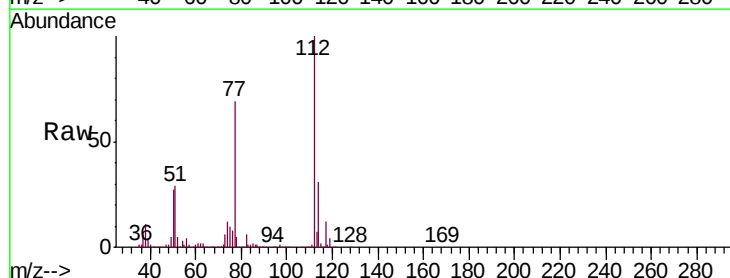
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025308

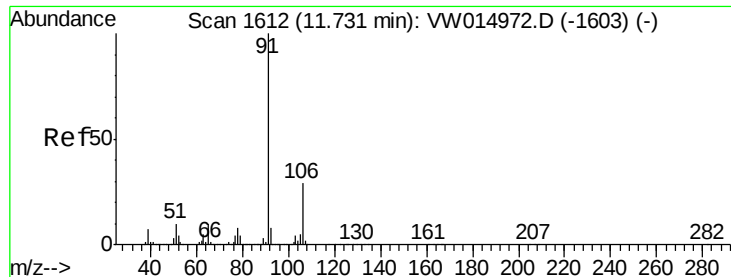
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.5	65.1	120.9
188	3.1	2.4	3.6



#51
 Chlorobenzene
 Concen: 26.135 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: VW014985.D
 Acq: 13 Feb 2020 17:22

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.6	42.0
77	69.5	54.6	82.0





#52

Ethylbenzene

Concen: 27.576 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

Instrument :

MSVOA_W

ClientSampleId :

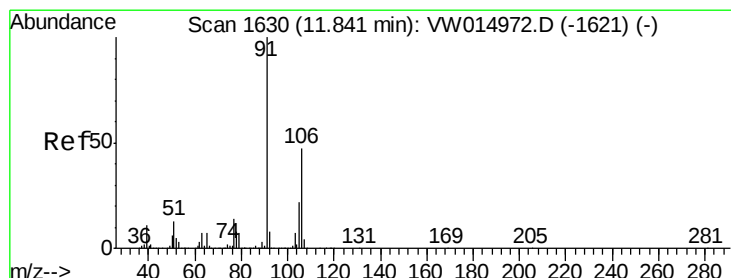
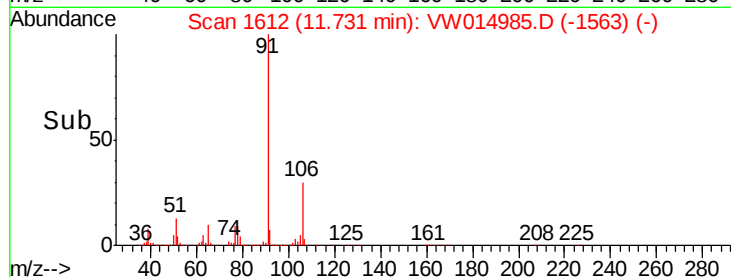
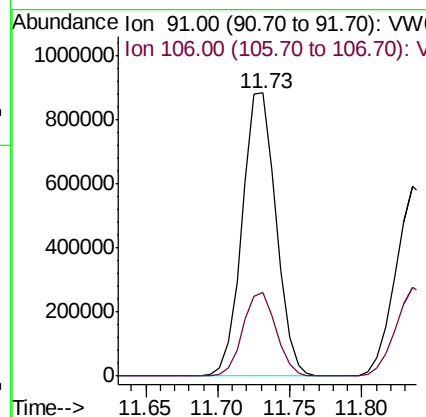
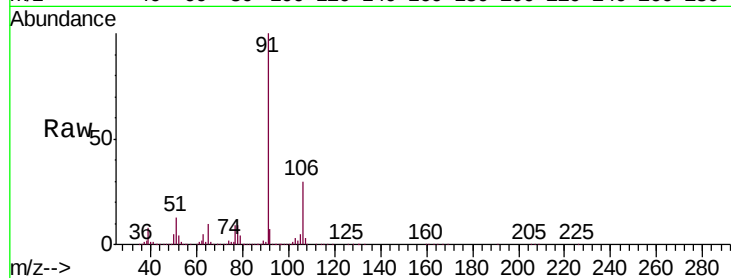
VSTD025308

Tgt Ion: 91 Resp: 1443431

Ion Ratio Lower Upper

91 100

106 29.8 20.2 37.4



#53

m,p-Xylene

Concen: 28.242 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW014985.D

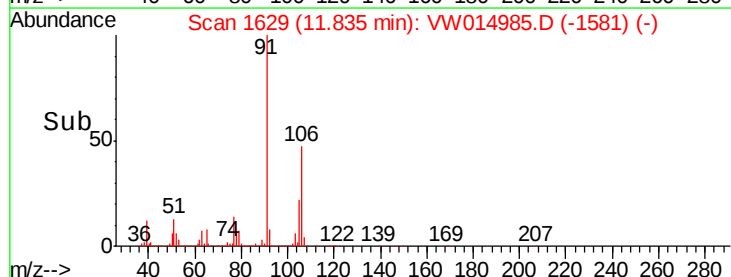
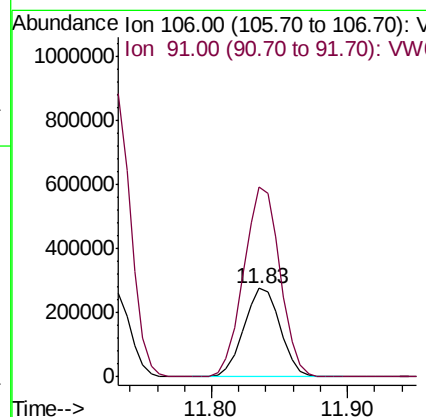
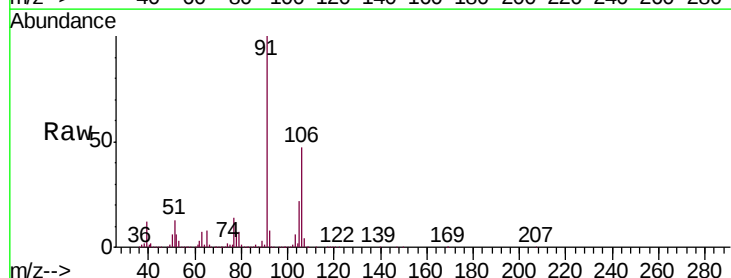
Acq: 13 Feb 2020 17:22

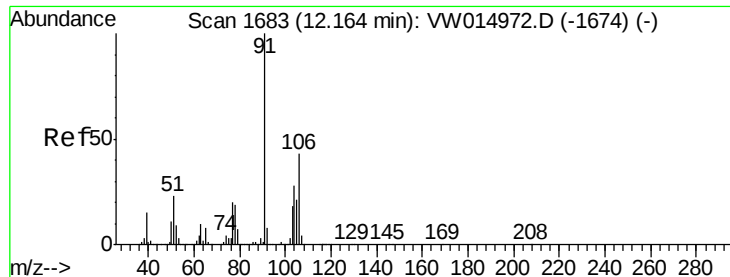
Tgt Ion: 106 Resp: 518704

Ion Ratio Lower Upper

106 100

91 213.8 149.2 277.2

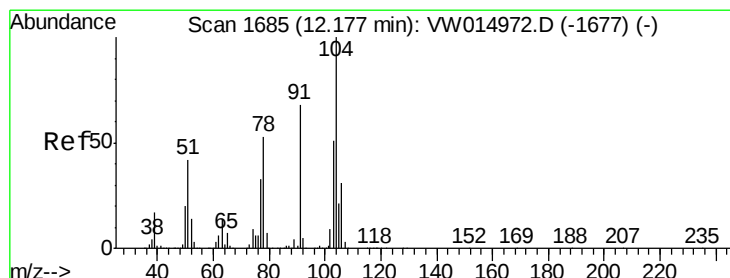
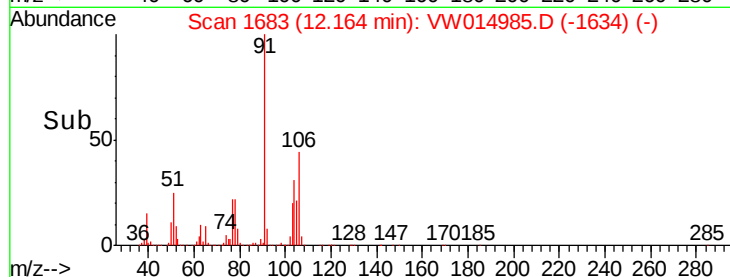
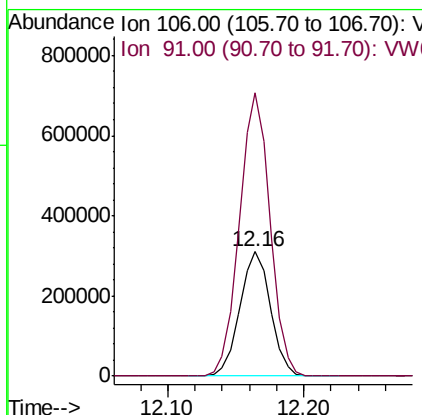
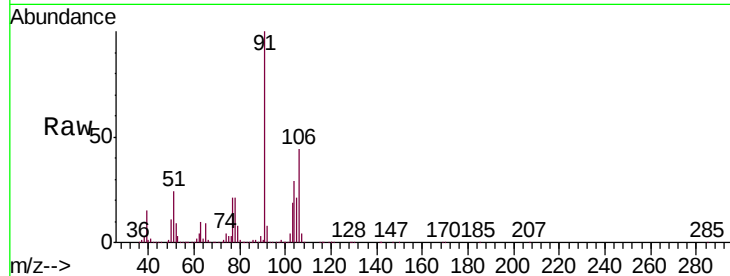




#54
o-Xylene
Concen: 28.219 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014985.D
Acq: 13 Feb 2020 17:22

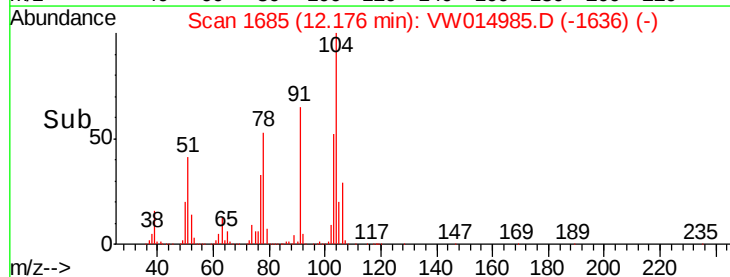
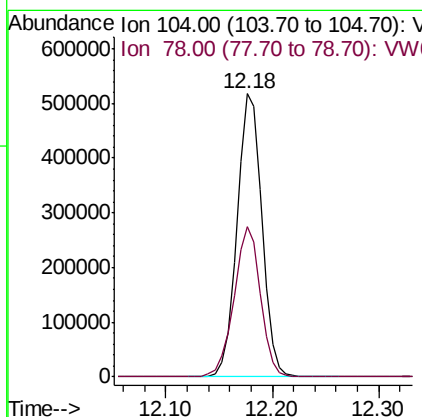
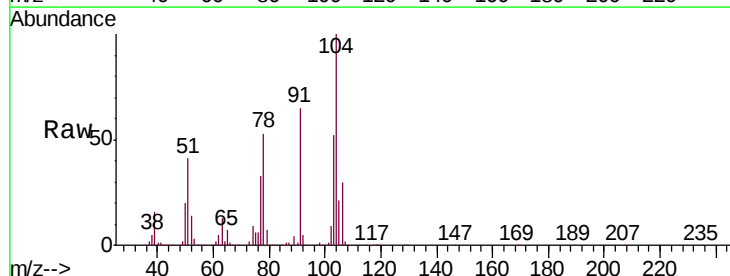
Instrument :
MSVOA_W
ClientSampleId :
VSTD025308

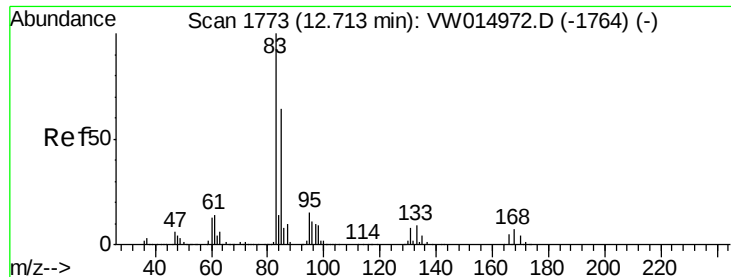
Tgt Ion:106 Resp: 486694
Ion Ratio Lower Upper
106 100
91 227.6 163.7 304.1



#55
Styrene
Concen: 28.585 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014985.D
Acq: 13 Feb 2020 17:22

Tgt Ion:104 Resp: 849885
Ion Ratio Lower Upper
104 100
78 53.2 36.8 68.4

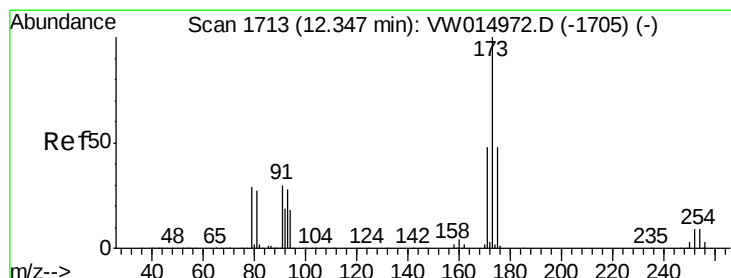
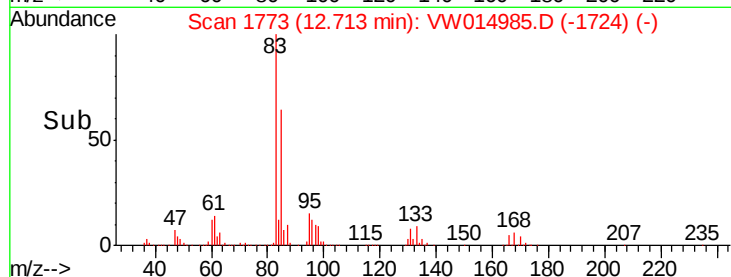
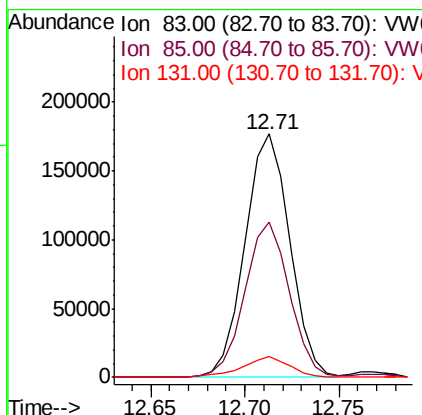
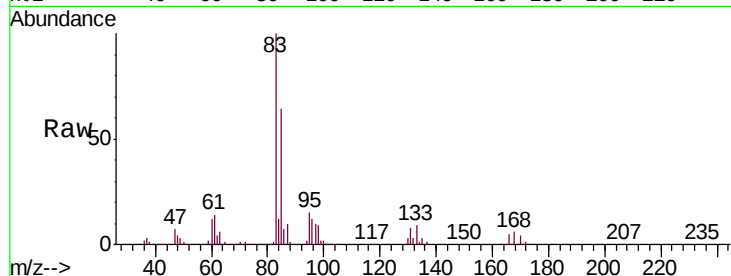




#57
 1,1,2,2-Tetrachloroethane
 Concen: 25.826 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW014985.D
 Acq: 13 Feb 2020 17:22

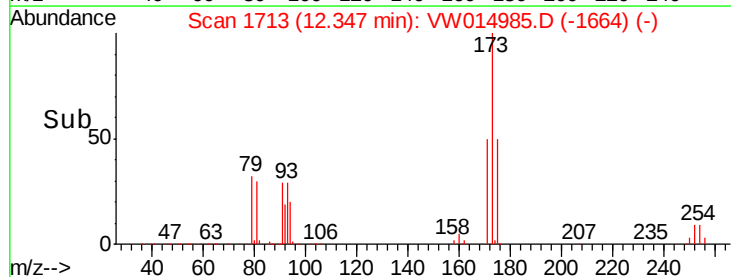
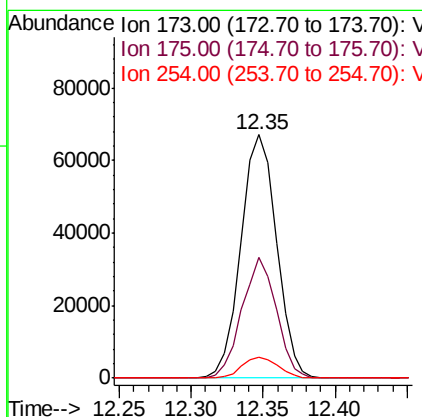
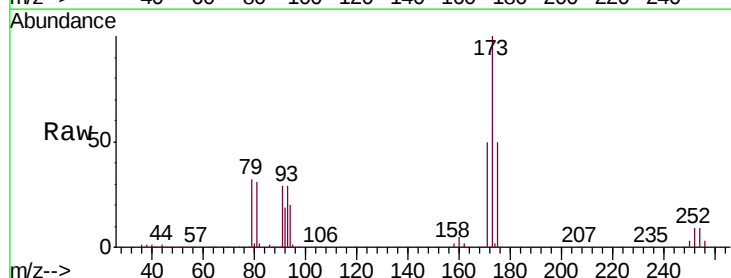
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025308

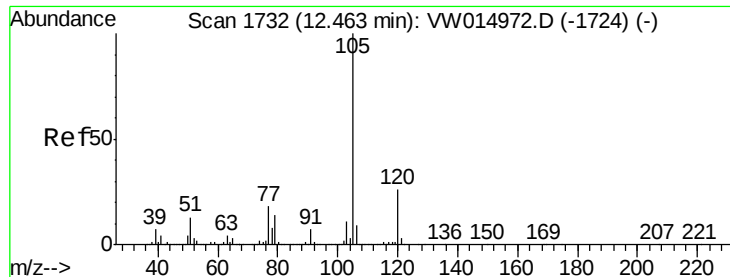
Tgt Ion: 83 Resp: 291178
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.9 83.5
 131 8.3 6.2 9.2



#59
 Bromoform
 Concen: 24.445 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW014985.D
 Acq: 13 Feb 2020 17:22

Tgt Ion: 173 Resp: 115283
 Ion Ratio Lower Upper
 173 100
 175 48.1 39.0 58.4
 254 8.7 7.1 10.7





#60

Isopropylbenzene

Concen: 27.579 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD025308

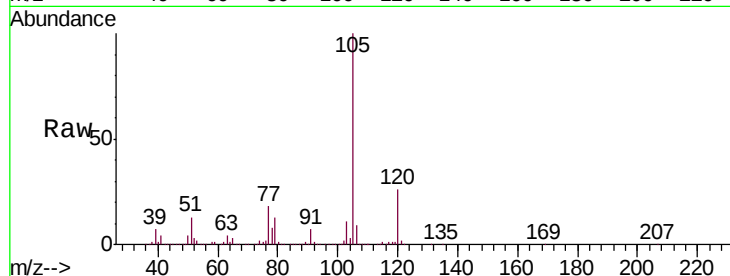
Tgt Ion: 105 Resp: 1331657

Ion Ratio Lower Upper

105 100

120 25.1 20.1 30.1

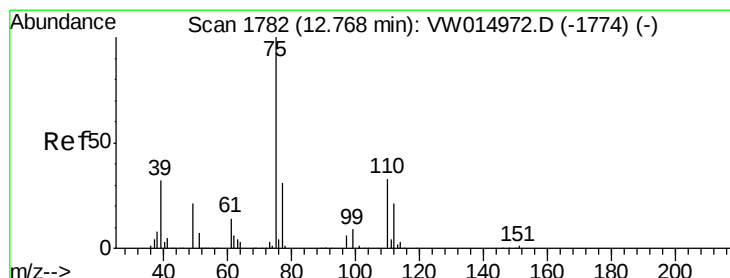
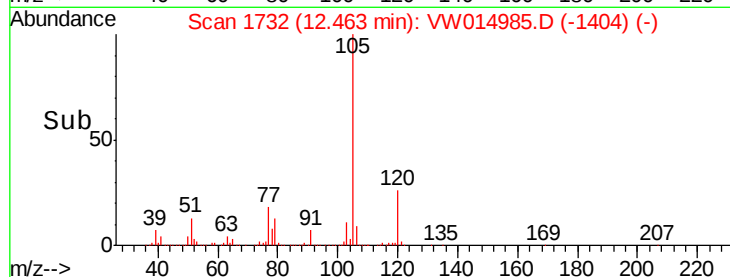
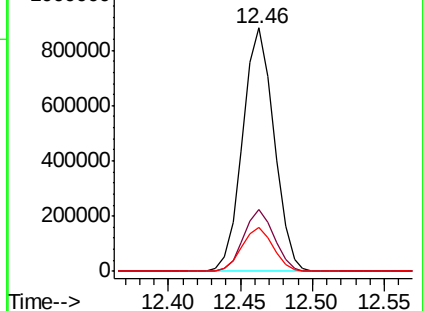
77 17.8 14.4 21.6



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



#61

1,2,3-Trichloropropane

Concen: 24.636 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

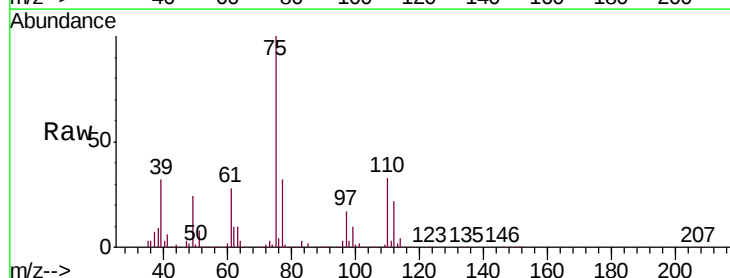
Tgt Ion: 75 Resp: 222699

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.6

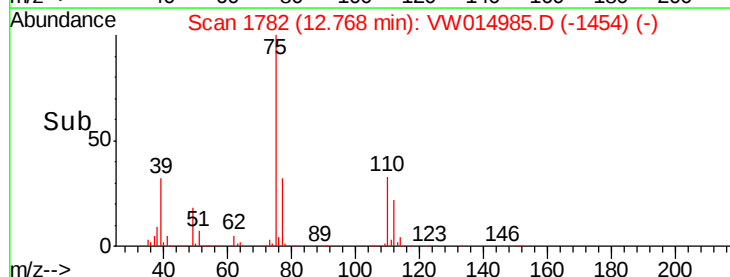
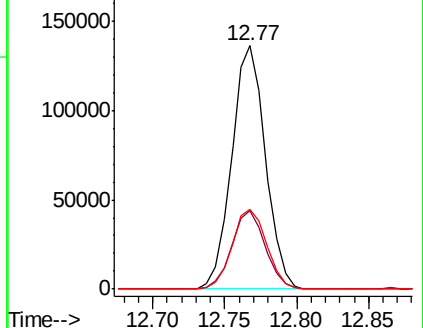
110 33.5 26.6 39.8

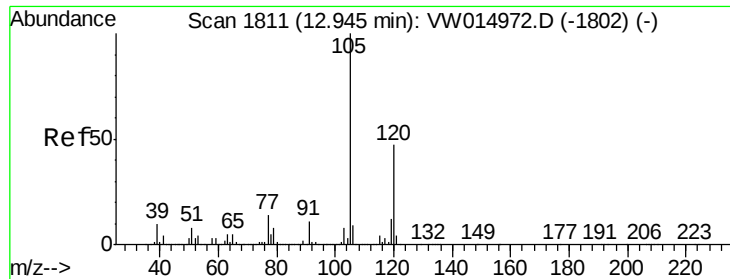


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 28.450 ug/L

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW014985.D

Acq: 13 Feb 2020 17:22

Instrument :

MSVOA_W

ClientSampleId :

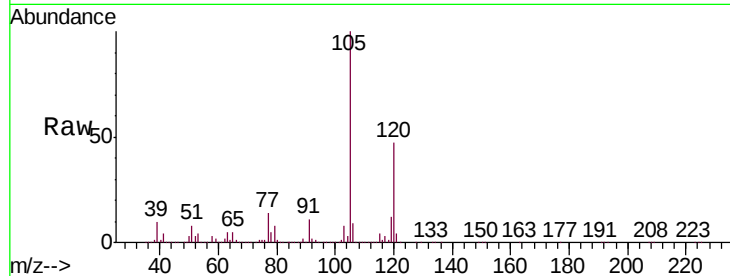
VSTD025308

Tgt Ion:105 Resp: 1095315

Ion Ratio Lower Upper

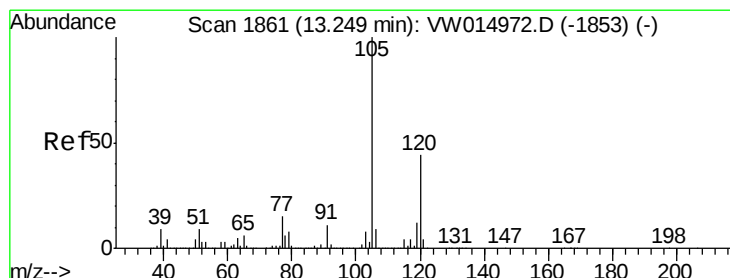
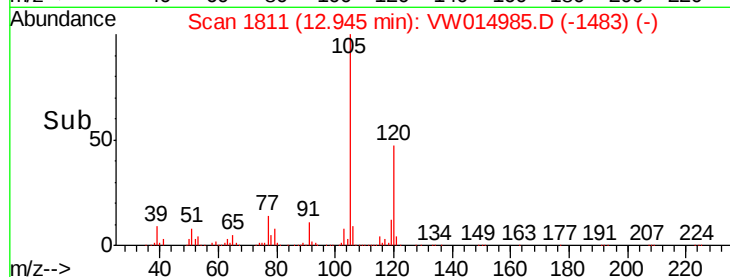
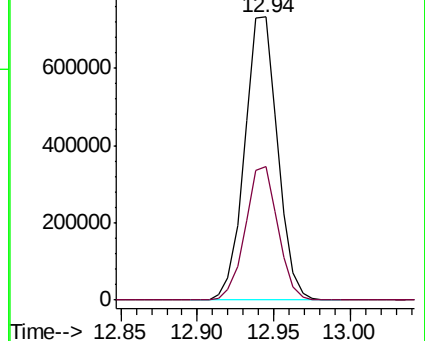
105 100

120 46.5 37.4 56.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 28.571 ug/L

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW014985.D

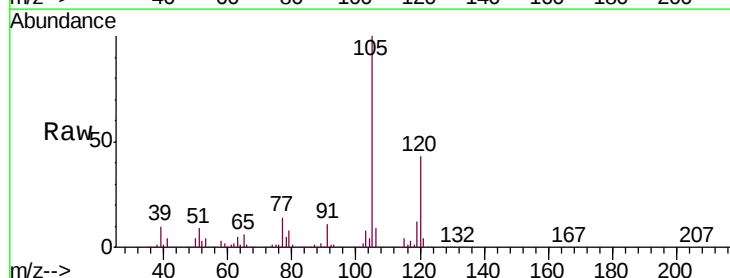
Acq: 13 Feb 2020 17:22

Tgt Ion:105 Resp: 1076110

Ion Ratio Lower Upper

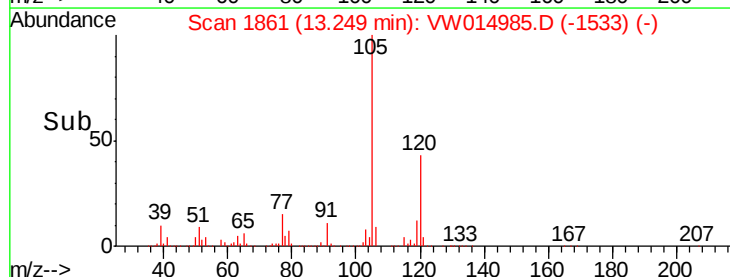
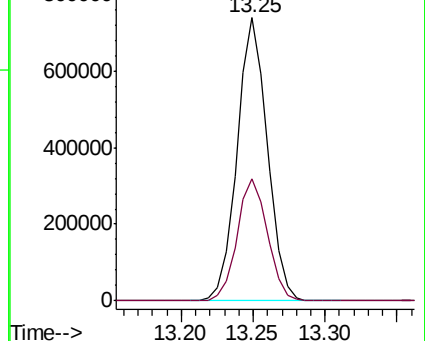
105 100

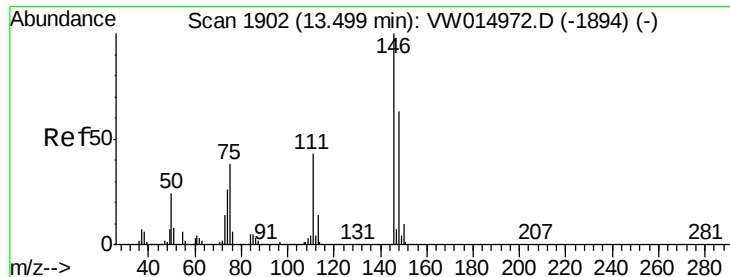
120 43.3 35.0 52.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

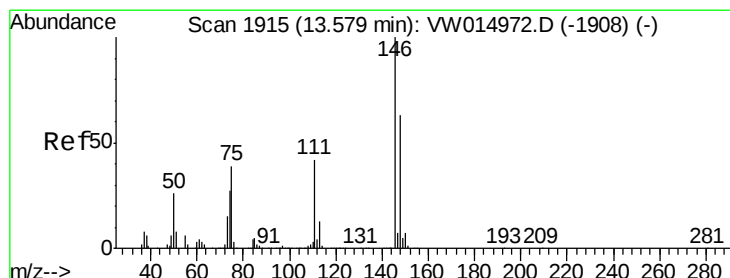
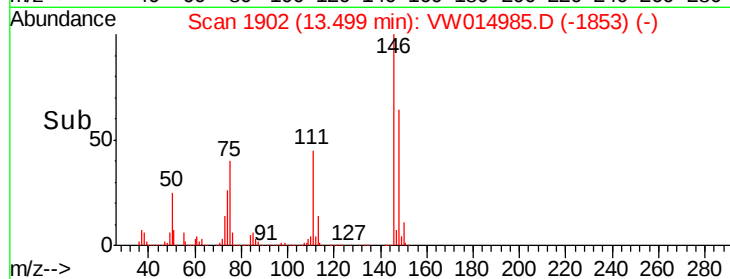
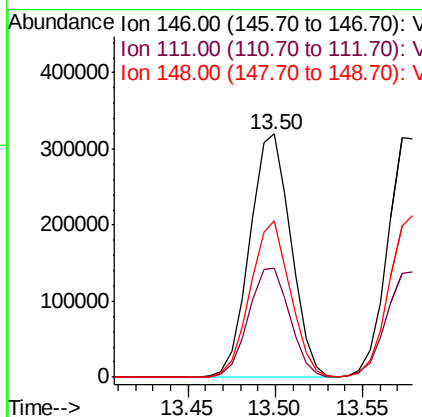
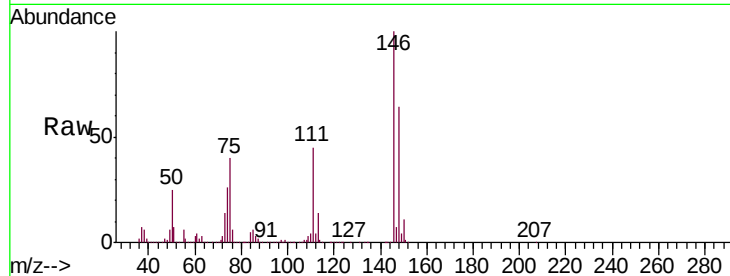




#64
 1,3-Dichlorobenzene
 Concen: 26.256 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014985.D
 Acq: 13 Feb 2020 17:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025308

Tgt Ion:146 Resp: 522632
 Ion Ratio Lower Upper
 146 100
 111 44.9 30.2 56.0
 148 64.3 44.2 82.2



#65
 1,4-Dichlorobenzene
 Concen: 25.429 ug/L
 RT: 13.57 min Scan# 1914
 Delta R.T. -0.01 min
 Lab File: VW014985.D
 Acq: 13 Feb 2020 17:22

Tgt Ion:146 Resp: 521755
 Ion Ratio Lower Upper
 146 100
 111 43.5 29.5 54.9
 148 63.3 43.8 81.3

