

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061620\
 Data File : VW015602.D
 Acq On : 16 Jun 2020 11:55
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Quant Time: Jun 17 06:04:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 15 11:03:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	359710	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	322473	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	163492	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	64168	19.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.88%
7) Chloroethane-d5	2.90	69	75041	22.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.56%
10) 1,1-Dichloroethene-d2	4.02	63	174958	21.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.12%
20) 2-Butanone-d5	7.09	46	51777	48.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.22%
24) Chloroform-d	7.65	84	194521	23.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.52%
26) 1,2-Dichloroethane-d4	8.31	65	107181	23.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.64%
29) Benzene-d6	8.28	84	365173	23.09	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.36%
33) 1,2-Dichloropropane-d6	9.28	67	110849	23.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.24%
37) Toluene-d8	10.32	98	344791	22.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.68%
38) trans-1,3-Dichloropropene-	10.58	79	47348	21.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.20%
39) 2-Hexanone-d5	10.93	63	41502	49.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.76%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	89322	24.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.72%
61) 1,2-Dichlorobenzene-d4	13.86	152	121409	22.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	75996	23.915	ug/L 98
3) Chloromethane	2.21	50	78298	22.382	ug/L 99
5) Vinyl chloride	2.37	62	130764	24.856	ug/L 99
6) Bromomethane	2.79	94	82221	24.046	ug/L 100
8) Chloroethane	2.93	64	80617	25.174	ug/L 98
9) Trichlorofluoromethane	3.27	101	109406	29.223	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	109844	24.738	ug/L 98
12) 1,1-Dichloroethene	4.04	96	104777	24.428	ug/L 84
13) Acetone	4.12	43	49887	59.961	ug/L 99
14) Carbon disulfide	4.39	76	319974	22.362	ug/L 100
15) Methyl Acetate	4.68	43	43718	24.288	ug/L 99
16) Methylene chloride	4.92	84	109203	24.736	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	171421	25.185	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	115087	25.037	ug/L 98
19) 1,1-Dichloroethane	6.22	63	209762	25.371	ug/L 99
21) 2-Butanone	7.18	43	63296	49.524	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	122023	25.447	ug/L 98

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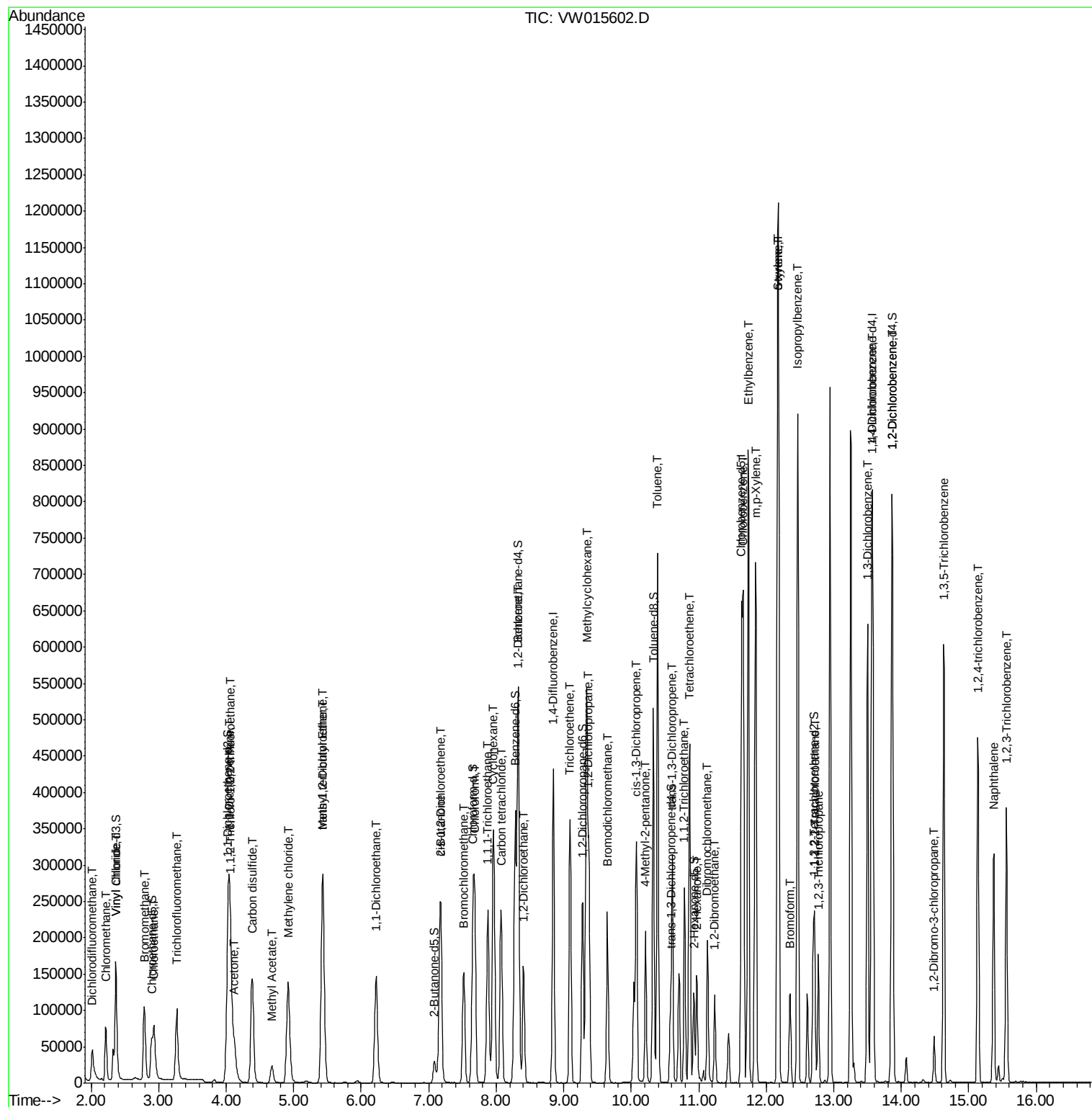
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	52267	25.277	uq/L	99
25) Chloroform	7.68	83	218437	26.239	uq/L	100
27) 1,2-Dichloroethane	8.40	62	145579	25.849	uq/L	99
30) Cyclohexane	7.96	56	196308	24.627	uq/L	99
31) 1,1,1-Trichloroethane	7.88	97	192000	26.614	uq/L	100
32) Carbon tetrachloride	8.07	117	173537	26.227	uq/L	98
34) Benzene	8.33	78	469456	26.032	uq/L	100
35) Trichloroethene	9.09	95	127390	26.298	uq/L	99
36) Methylcyclohexane	9.34	83	217527	25.178	uq/L	100
40) 1,2-Dichloropropane	9.37	63	116381	26.206	uq/L	99
41) Bromodichloromethane	9.65	83	156046	26.302	uq/L	99
42) cis-1,3-Dichloropropene	10.07	75	184842	26.010	uq/L	99
43) 4-Methyl-2-pentanone	10.21	43	130918	50.291	uq/L	100
44) Toluene	10.39	91	515800	26.253	uq/L	100
45) trans-1,3-Dichloropropene	10.61	75	161334	26.087	uq/L	99
46) 1,1,2-Trichloroethane	10.79	97	82914	26.687	uq/L	99
47) Tetrachloroethene	10.87	164	103068	26.841	uq/L	98
49) 2-Hexanone	10.97	43	91864	52.280	uq/L	99
50) Dibromochloromethane	11.13	129	101573	26.908	uq/L	99
51) 1,2-Dibromoethane	11.24	107	80091	26.851	uq/L	99
52) Chlorobenzene	11.66	112	329152	26.709	uq/L	96
53) Ethylbenzene	11.73	91	597391	26.480	uq/L	99
54) m,p-Xylene	11.84	106	225496	26.637	uq/L	97
55) o-xylene	12.17	106	210734	26.225	uq/L	98
56) Styrene	12.18	104	365279	26.604	uq/L	100
57) Isopropylbenzene	12.46	105	590413	26.376	uq/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	97243	27.035	uq/L	99
59) 1,2,3-Trichloropropane	12.77	75	71812	26.330	uq/L	99
62) Bromoform	12.35	173	55962	24.567	uq/L #	97
63) 1,3-Dichlorobenzene	13.50	146	257973	25.786	uq/L	99
64) 1,4-Dichlorobenzene	13.58	146	256231	26.139	uq/L	99
65) 1,2-Dichlorobenzene	13.87	146	228084	26.235	uq/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	16113	24.432	uq/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	180948	26.125	uq/L	99
68) 1,2,4-trichlorobenzene	15.13	180	151691	27.192	uq/L	97
69) Naphthalene	15.37	128	267276	26.387	uq/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	126811	26.720	uq/L	98

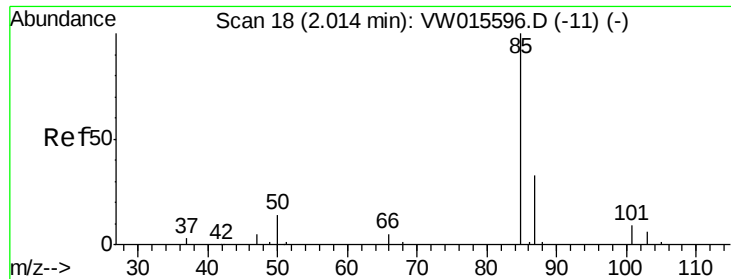
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.915 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015602.D

Acq: 16 Jun 2020 11:55

Instrument :

MSVOA_W

ClientSampled :

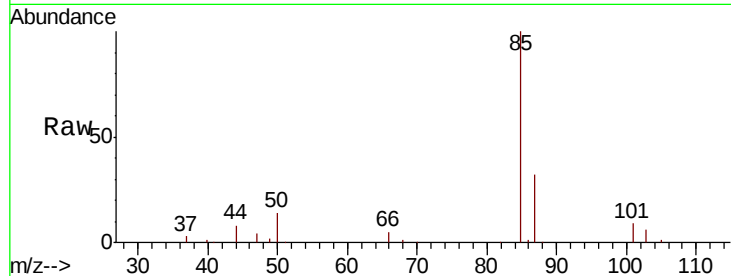
VSTD02508

Tot Ion: 85 Resp: 75996

Ion Ratio Lower Upper

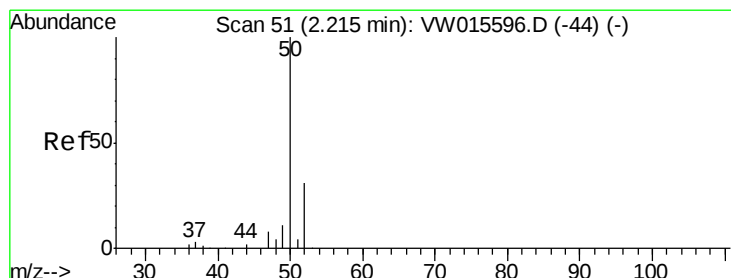
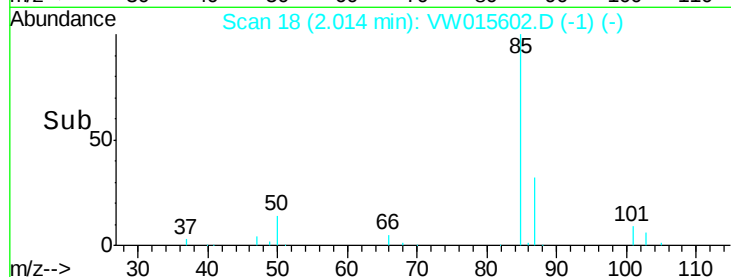
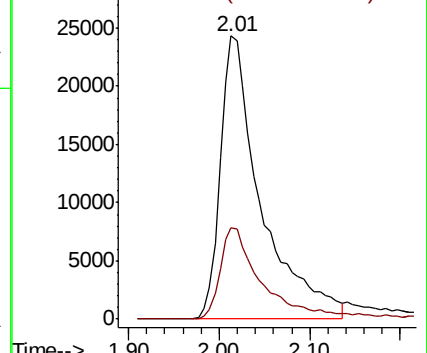
85 100

87 29.1 21.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.382 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015602.D

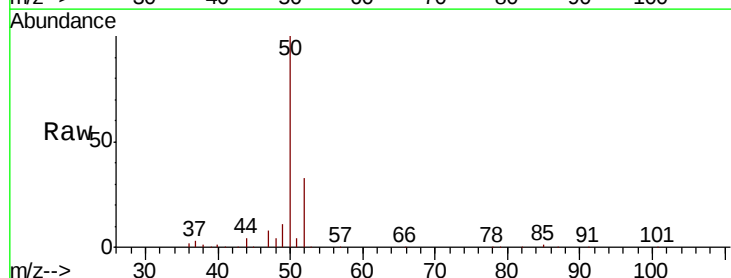
Acq: 16 Jun 2020 11:55

Tgt Ion: 50 Resp: 78298

Ion Ratio Lower Upper

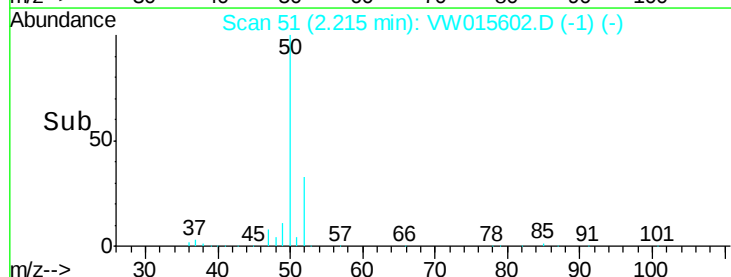
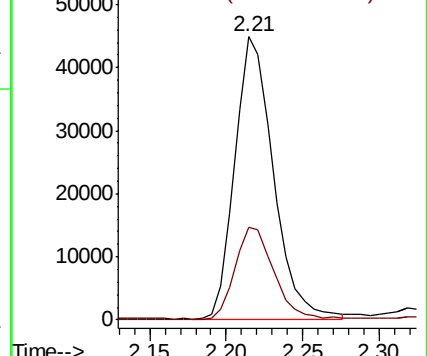
50 100

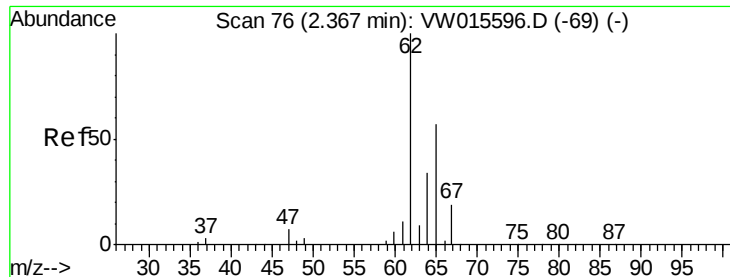
52 32.6 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.856 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015602.D

Acq: 16 Jun 2020 11:55

Instrument :

MSVOA_W

ClientSampleId :

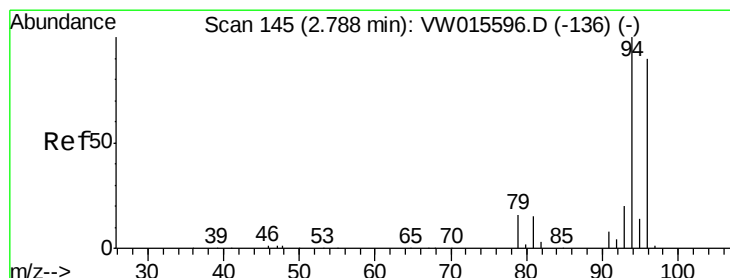
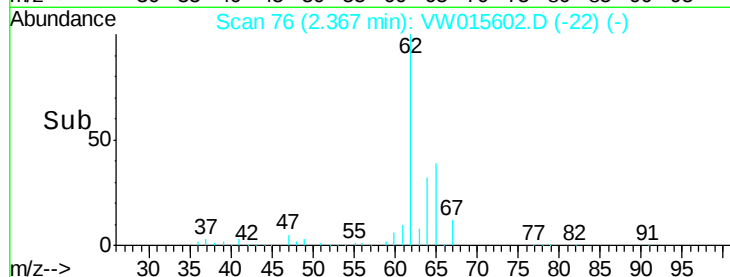
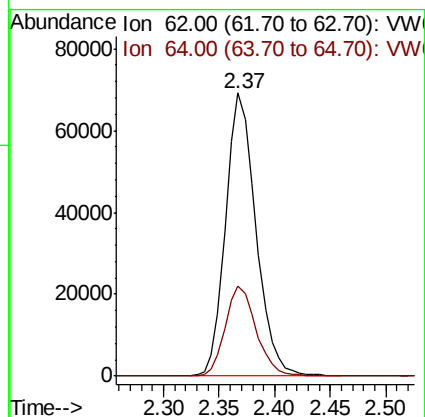
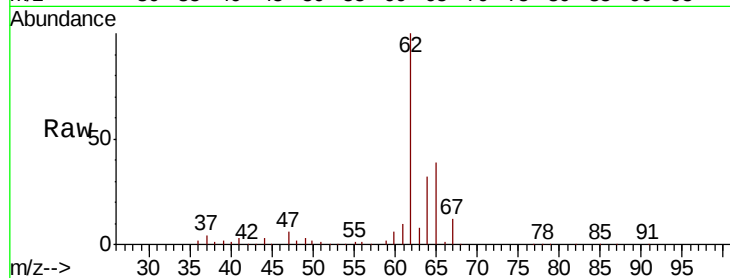
VSTD02508

Tot Ion: 62 Resp: 130764

Ion Ratio Lower Upper

62 100

64 31.8 22.6 42.0



#6

Bromomethane

Concen: 24.046 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW015602.D

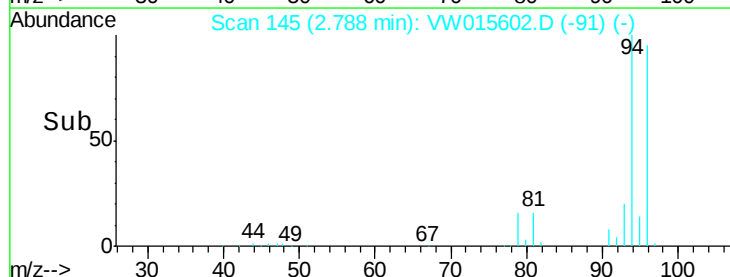
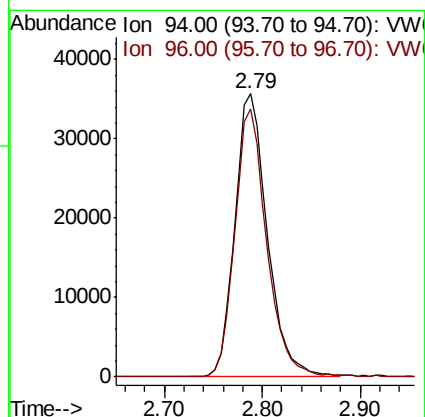
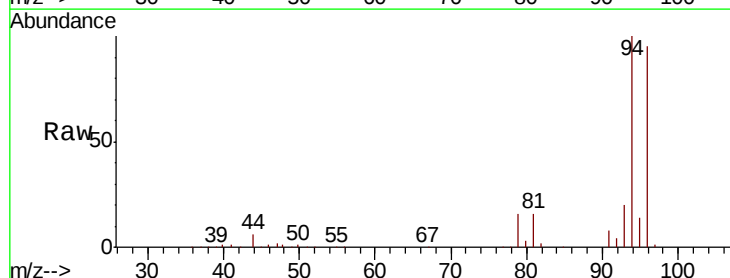
Acq: 16 Jun 2020 11:55

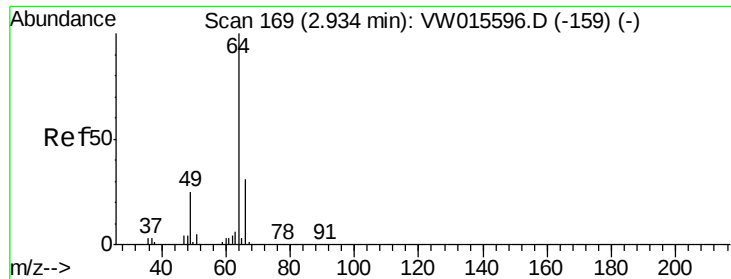
Tgt Ion: 94 Resp: 82221

Ion Ratio Lower Upper

94 100

96 93.1 9.3 177.5

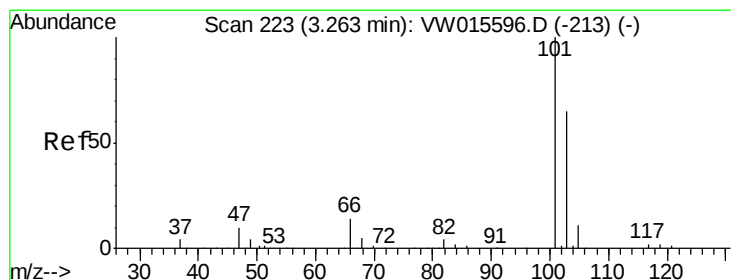
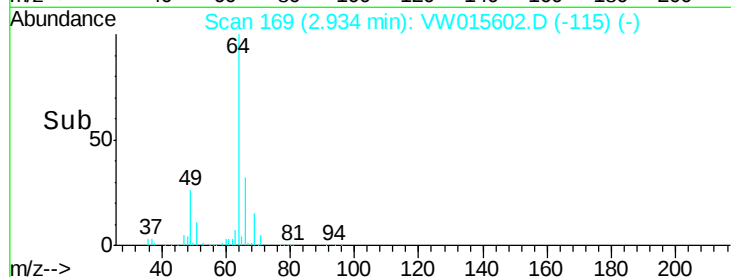
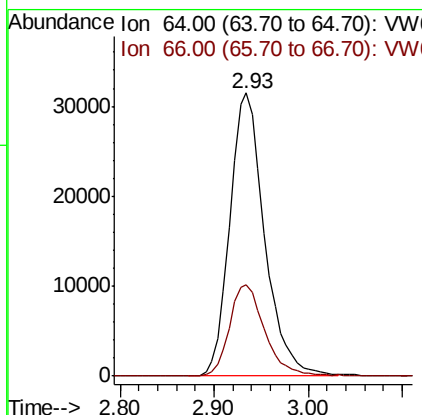
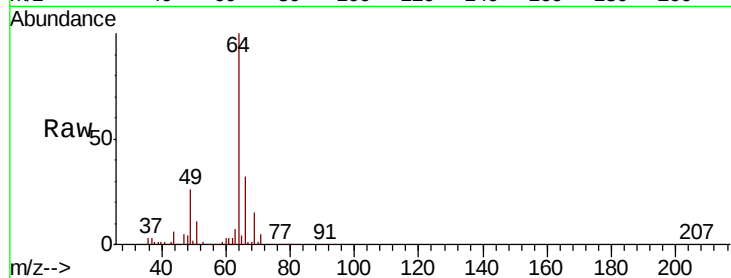




#8
Chloroethane
Concen: 25.174 ug/L
RT: 2.93 min Scan# 169
Delta R.T. -0.00 min
Lab File: VW015602.D
Acq: 16 Jun 2020 11:55

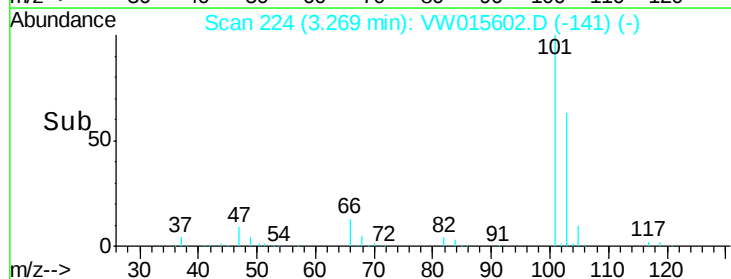
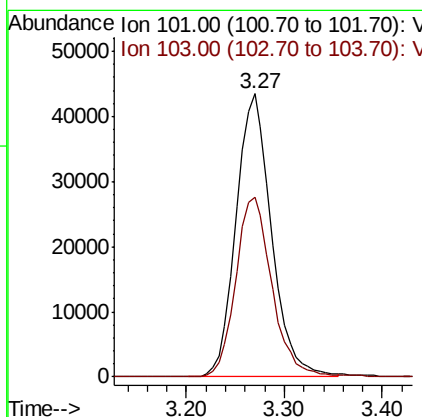
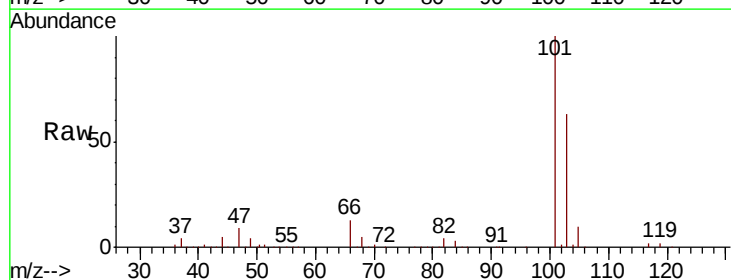
Instrument :
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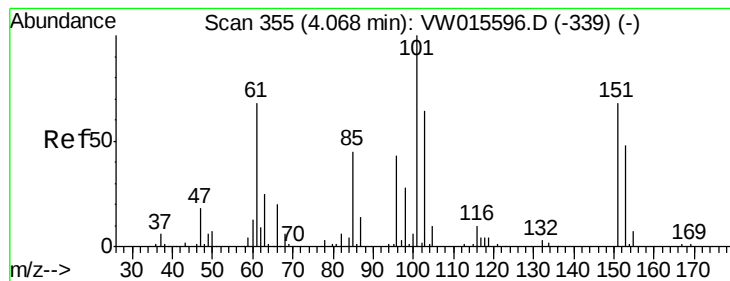
Tot Ion: 64 Resp: 80617
Ion Ratio Lower Upper
64 100
66 32.5 22.0 40.8



#9
Trichlorofluoromethane
Concen: 29.223 ug/L
RT: 3.27 min Scan# 224
Delta R.T. 0.01 min
Lab File: VW015602.D
Acq: 16 Jun 2020 11:55

Tgt Ion: 101 Resp: 109406
Ion Ratio Lower Upper
101 100
103 64.8 46.6 86.6





#11

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

Concen: 24.738 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015602.D

Acq: 16 Jun 2020 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

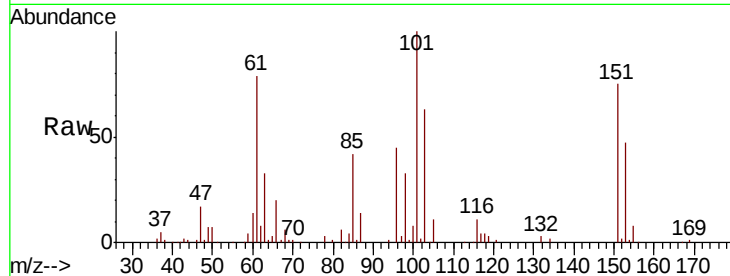
Tot Ion:101 Resp: 109844

Ion Ratio Lower Upper

101 100

85 44.6 35.1 52.7

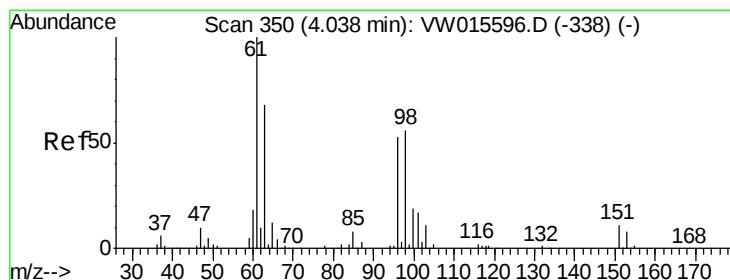
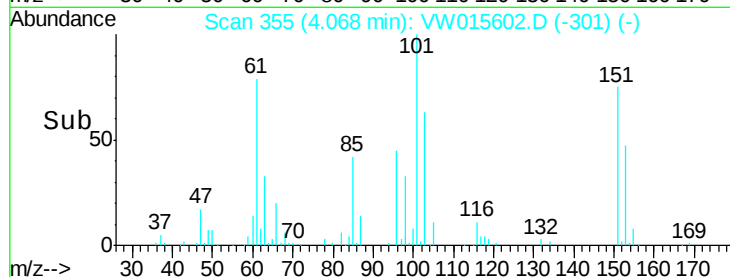
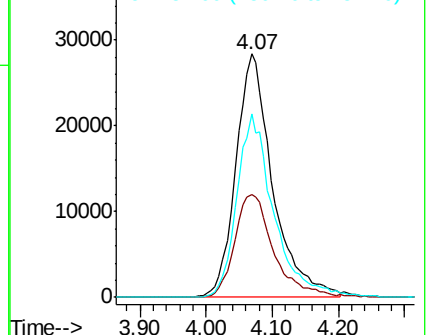
151 75.2 58.6 87.8



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: 24.428 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW015602.D

Acq: 16 Jun 2020 11:55

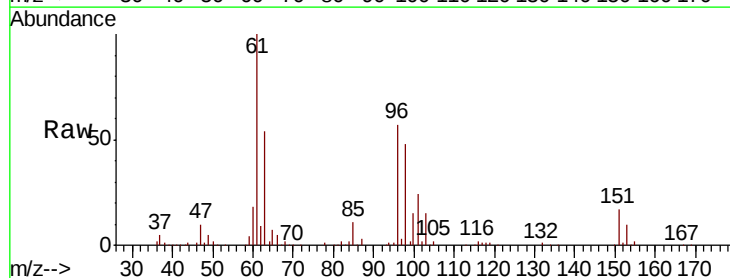
Tgt Ion: 96 Resp: 104777

Ion Ratio Lower Upper

96 100

61 175.0 127.7 237.1

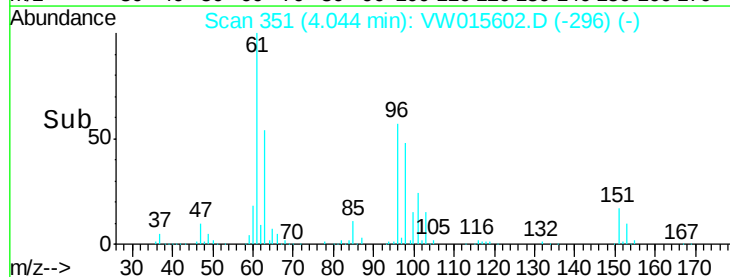
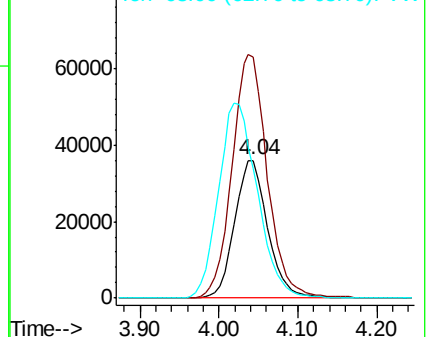
63 94.8 92.3 171.5

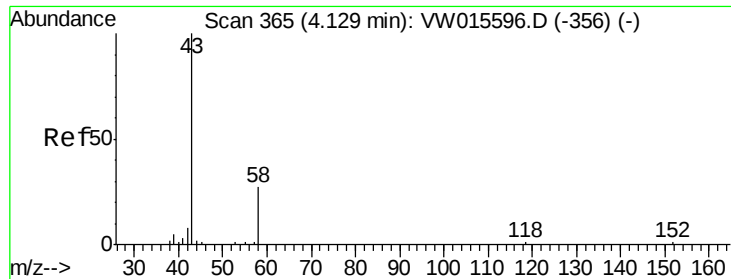


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 59.961 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015602.D

Acq: 16 Jun 2020 11:55

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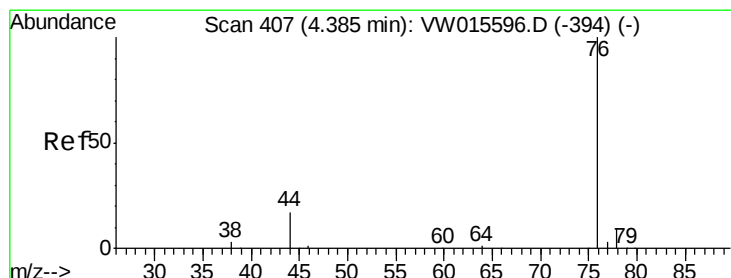
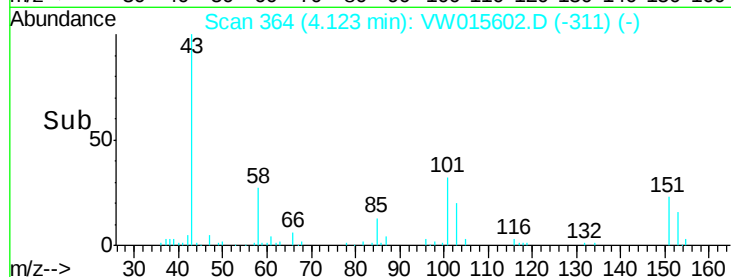
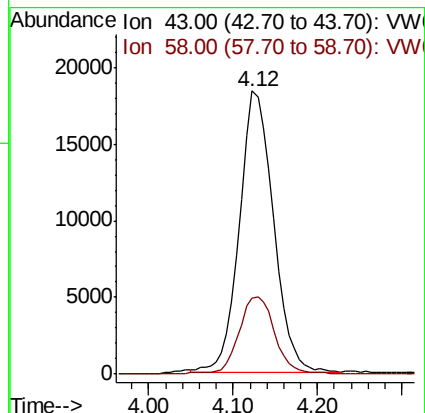
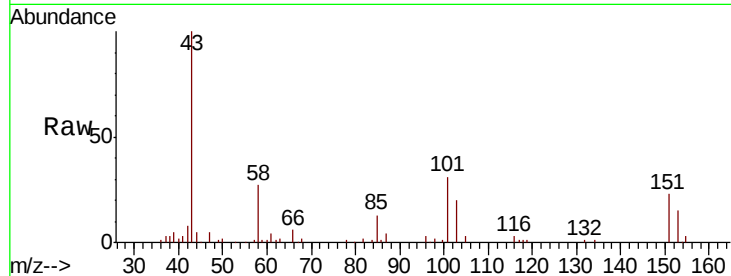
VSTD02508

Tot Ion: 43 Resp: 49887

Ion Ratio Lower Upper

43 100

58 28.7 0.0 56.8



#14

Carbon disulfide

Concen: 22.362 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW015602.D

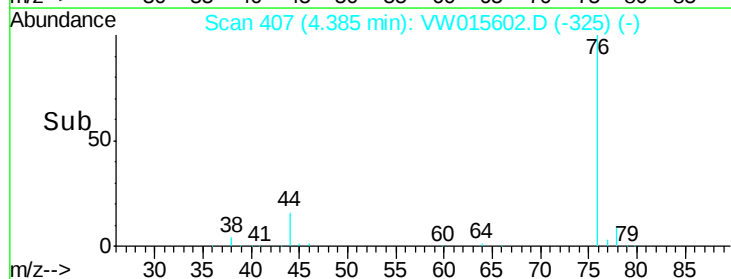
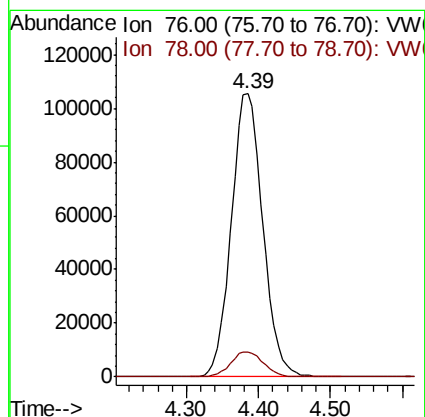
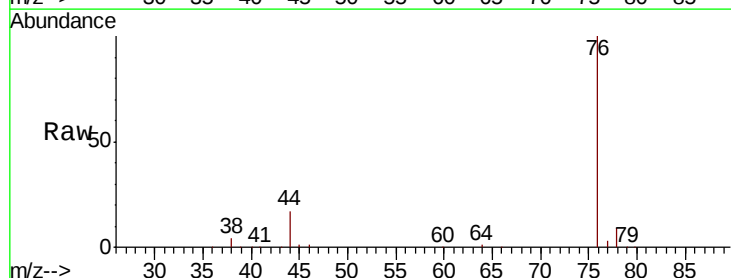
Acq: 16 Jun 2020 11:55

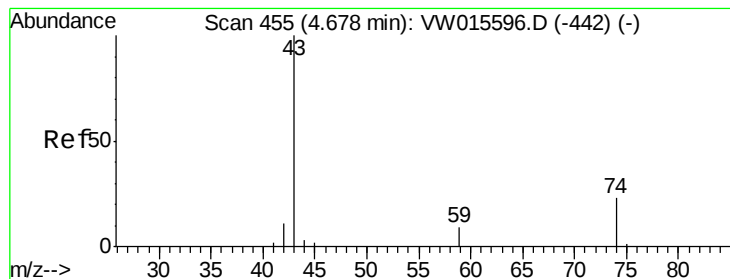
Tgt Ion: 76 Resp: 319974

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#15

Methyl Acetate

Concen: 24.288 ug/L

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW015602.D

Acq: 16 Jun 2020 11:55

Instrument :

MSVOA_W

ClientSampleId :

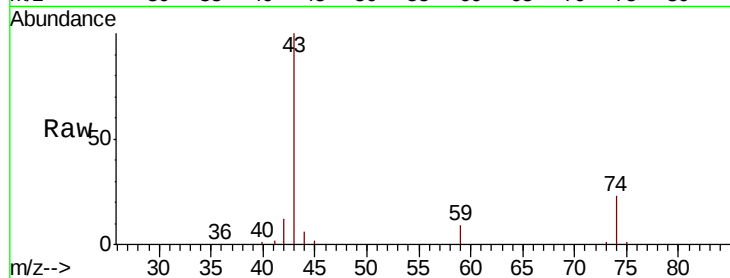
VSTD02508

Tot Ion: 43 Resp: 43718

Ion Ratio Lower Upper

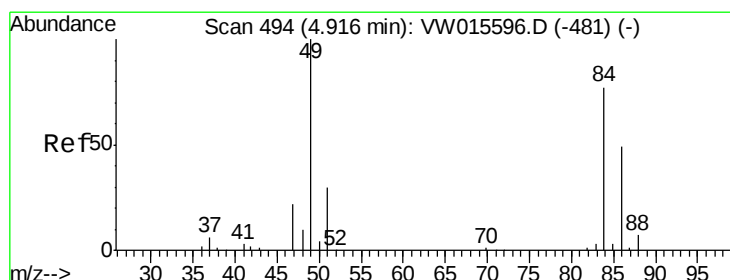
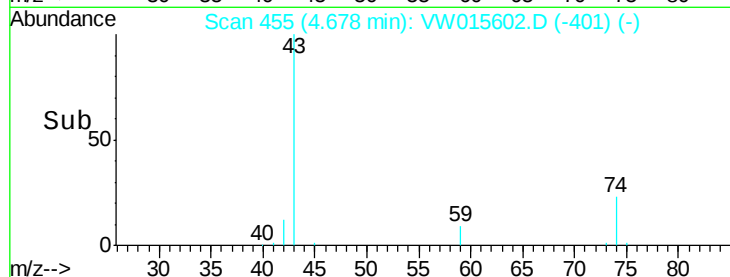
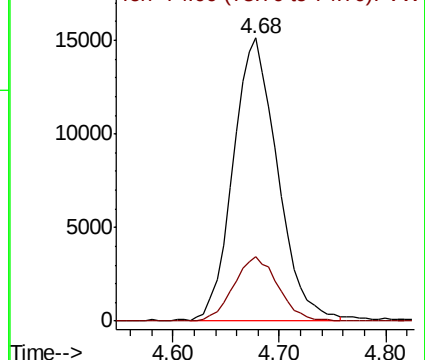
43 100

74 23.2 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 24.736 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW015602.D

Acq: 16 Jun 2020 11:55

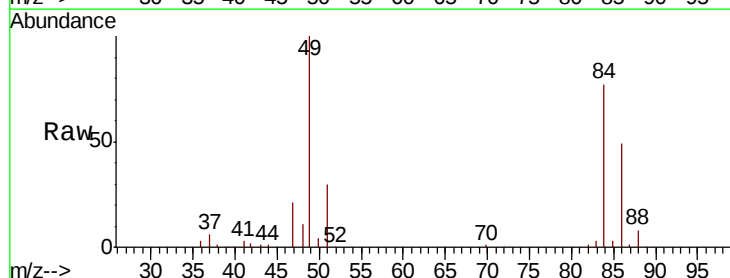
Tgt Ion: 84 Resp: 109203

Ion Ratio Lower Upper

84 100

49 130.1 93.0 172.8

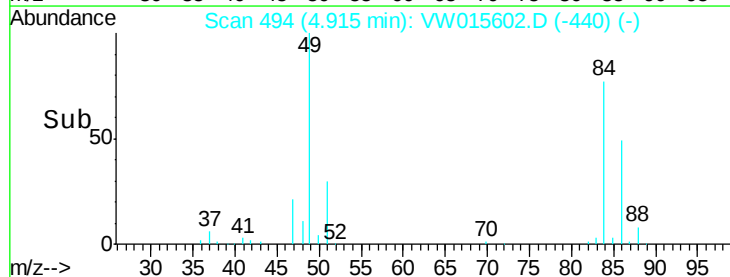
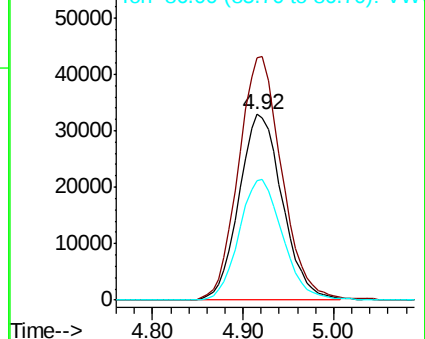
86 64.1 44.7 83.1

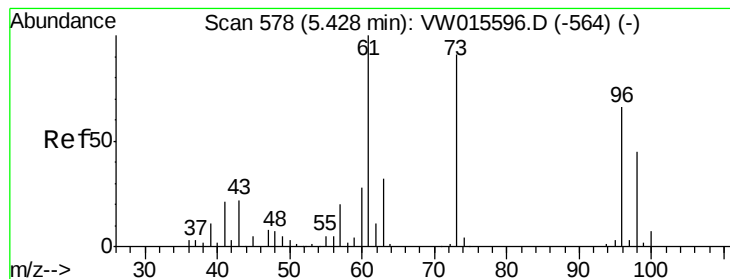


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW



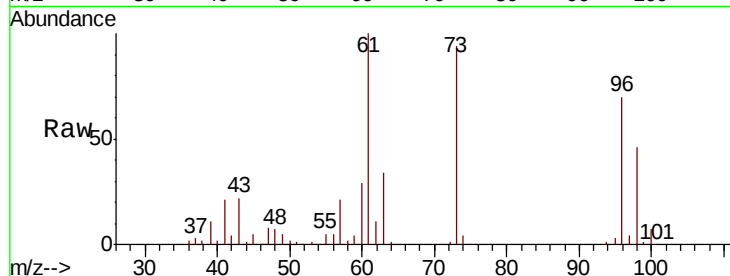


#17

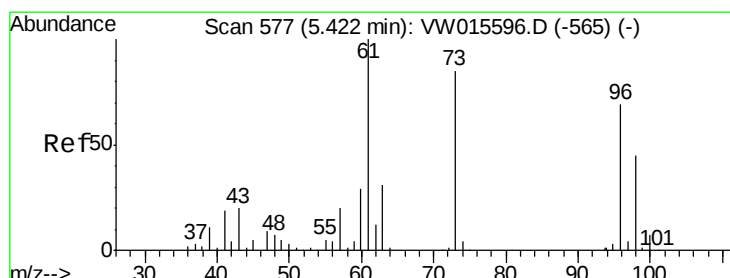
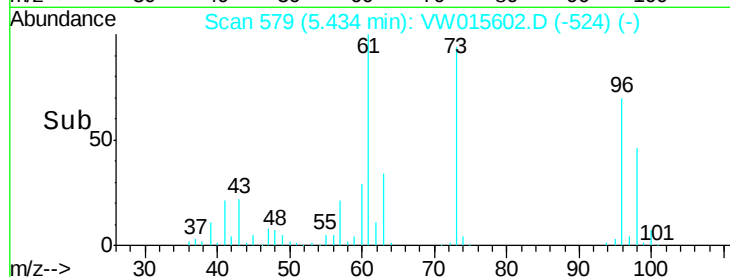
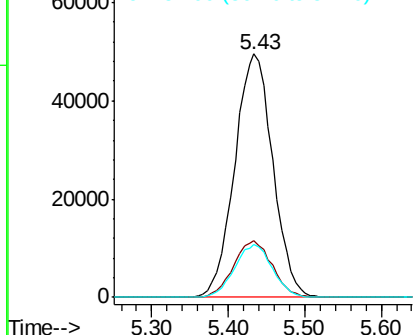
Methvl tert-butvl Ether
 Concen: 25.185 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW015602.D
 Acq: 16 Jun 2020 11:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Tot Ion: 73 Resp: 171421
 Ion Ratio Lower Upper
 73 100
 43 23.6 19.6 29.4
 57 21.7 17.7 26.5



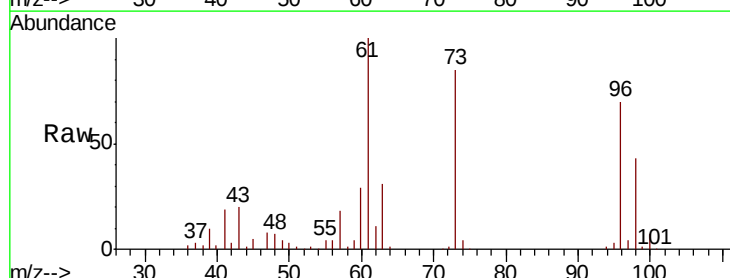
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



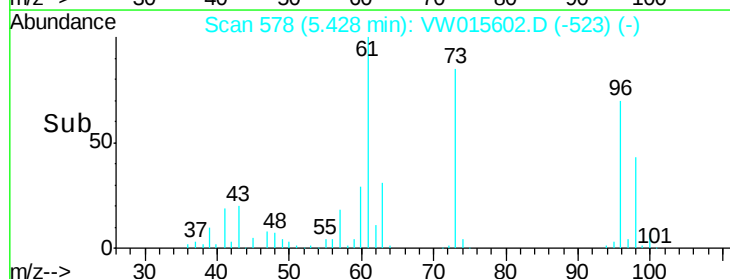
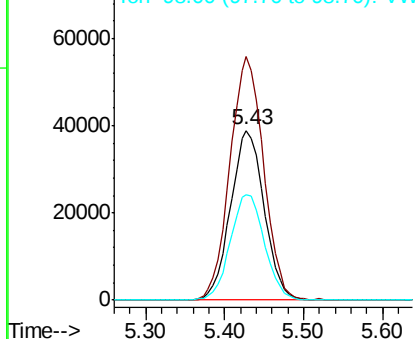
#18

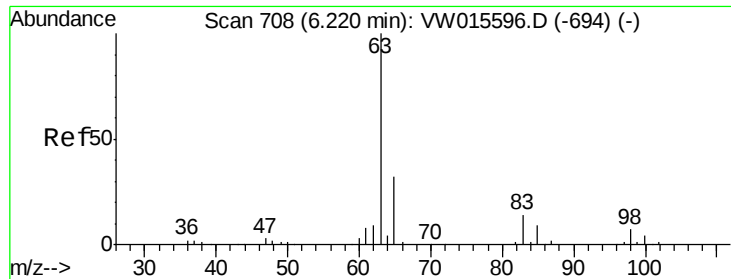
trans-1,2-Dichloroethene
 Concen: 25.037 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW015602.D
 Acq: 16 Jun 2020 11:55

Tgt Ion: 96 Resp: 115087
 Ion Ratio Lower Upper
 96 100
 61 143.7 101.9 189.3
 98 61.9 44.9 83.5



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

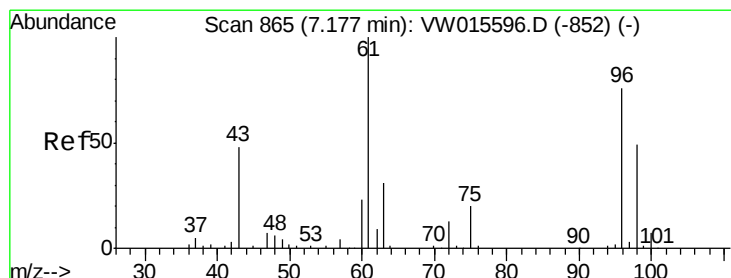
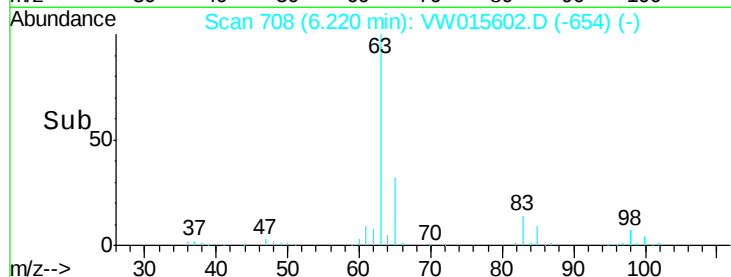
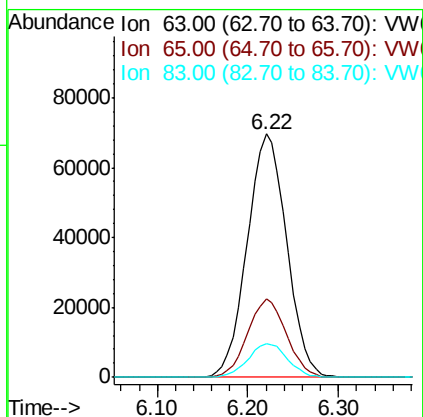
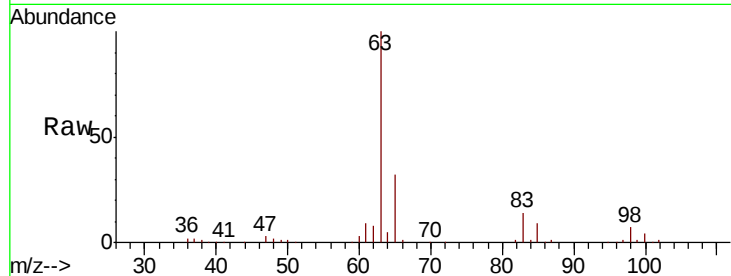




#19
 1,1-Dichloroethane
 Concen: 25.371 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW015602.D
 Acq: 16 Jun 2020 11:55

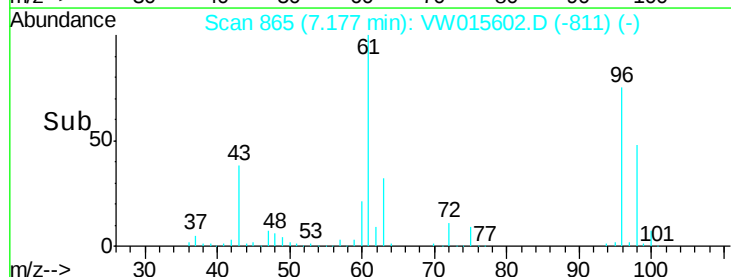
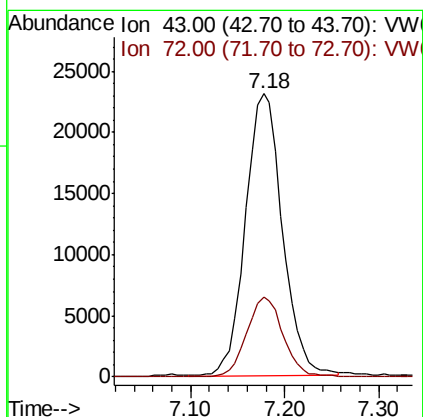
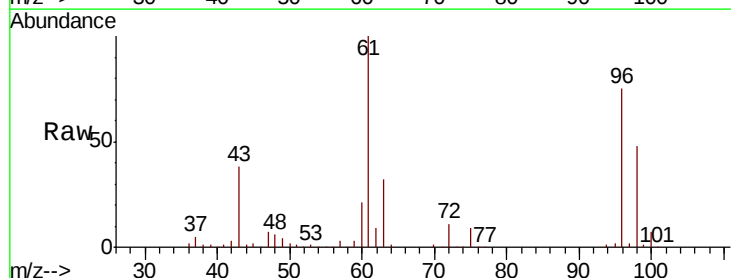
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

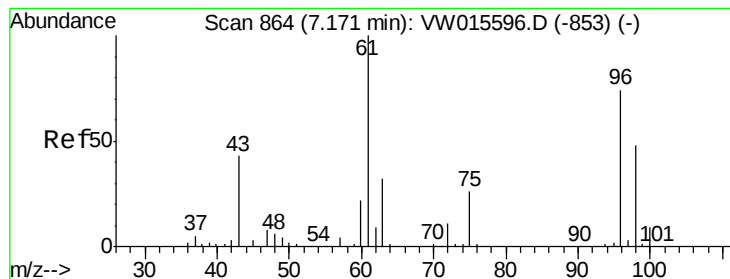
Tot Ion: 63 Resp: 209762
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.1 41.1
 83 14.0 9.7 17.9



#21
 2-Butanone
 Concen: 49.524 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW015602.D
 Acq: 16 Jun 2020 11:55

Tgt Ion: 43 Resp: 63296
 Ion Ratio Lower Upper
 43 100
 72 27.7 13.3 39.9



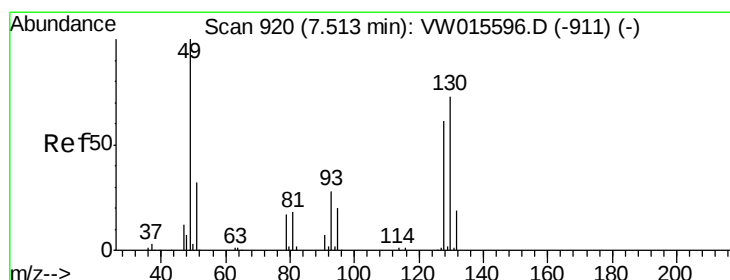
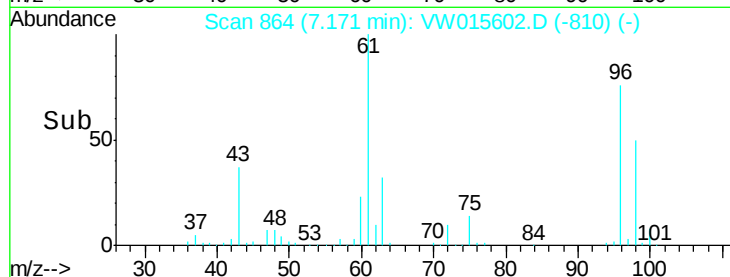
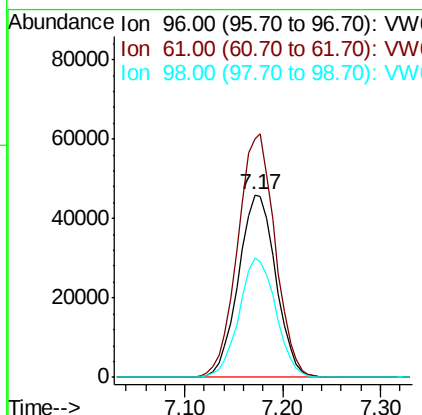
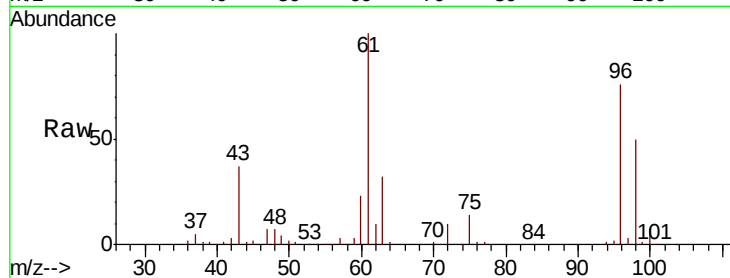


#22

cis-1,2-Dichloroethene
Concen: 25.447 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015602.D
Acq: 16 Jun 2020 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

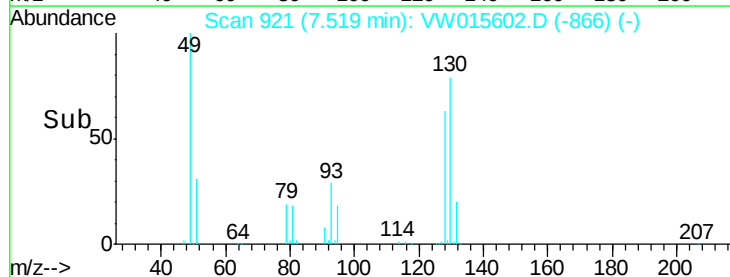
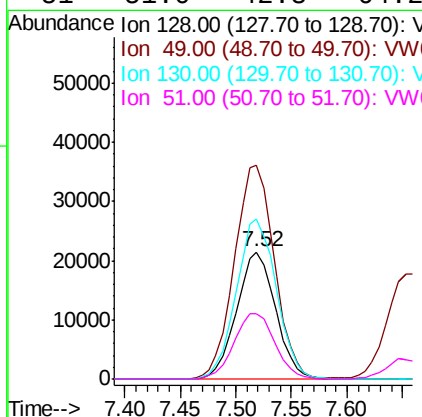
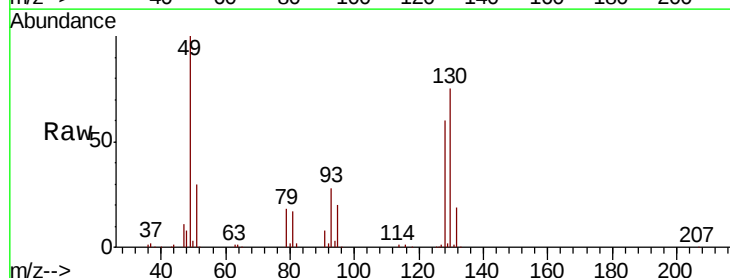
Tot Ion: 96 Resp: 122023
Ion Ratio Lower Upper
96 100
61 130.8 93.7 173.9
98 65.7 45.1 83.9

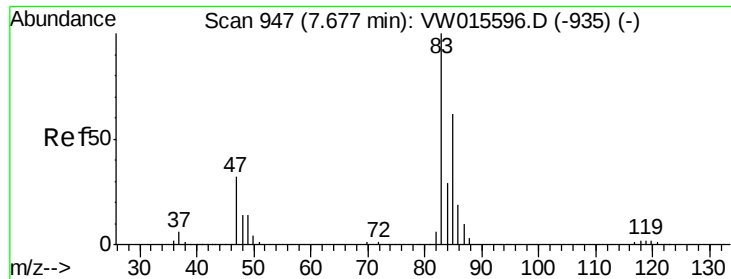


#23

Bromochloromethane
Concen: 25.277 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW015602.D
Acq: 16 Jun 2020 11:55

Tgt Ion: 128 Resp: 52267
Ion Ratio Lower Upper
128 100
49 167.8 118.1 219.3
130 125.6 88.5 164.3
51 51.0 42.8 64.2

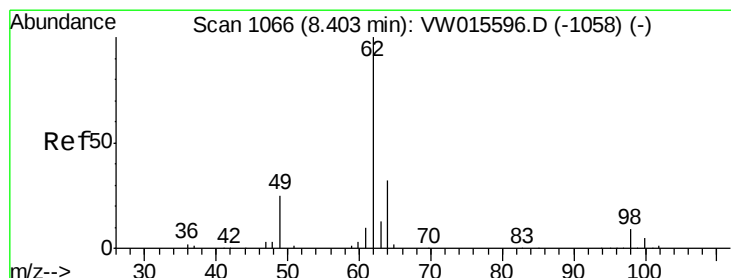
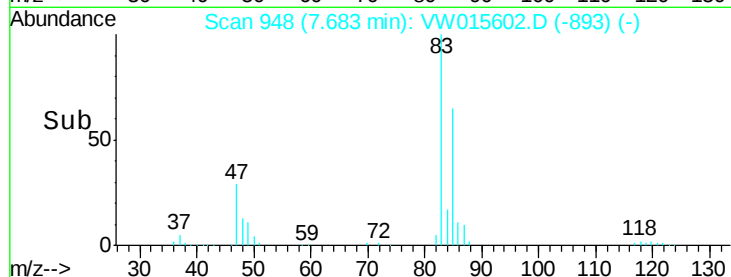
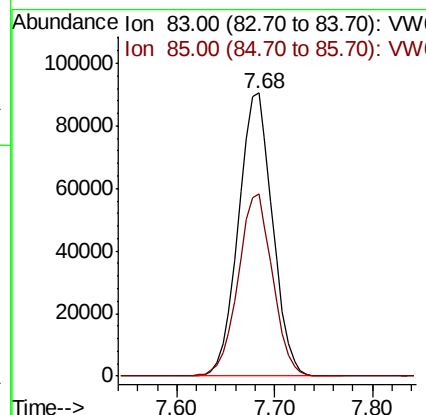
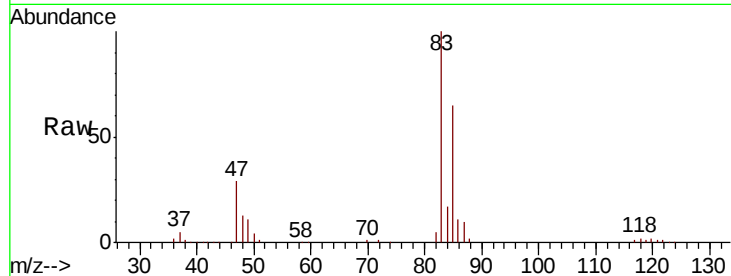




#25
Chloroform
Concen: 26.239 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW015602.D
Acq: 16 Jun 2020 11:55

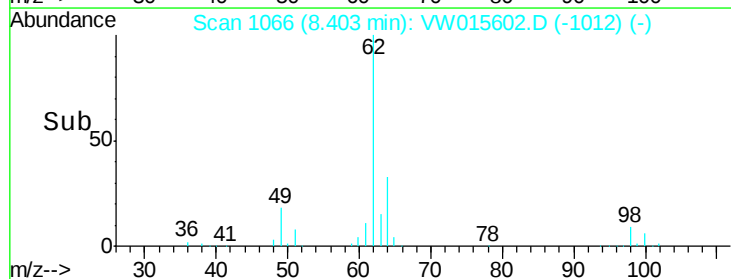
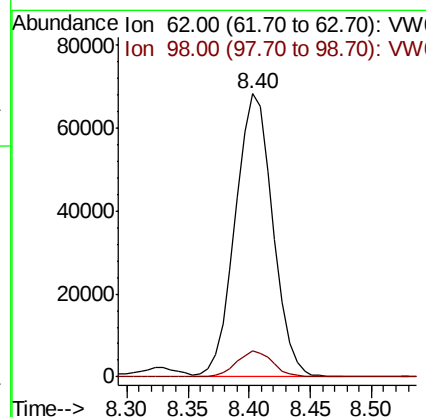
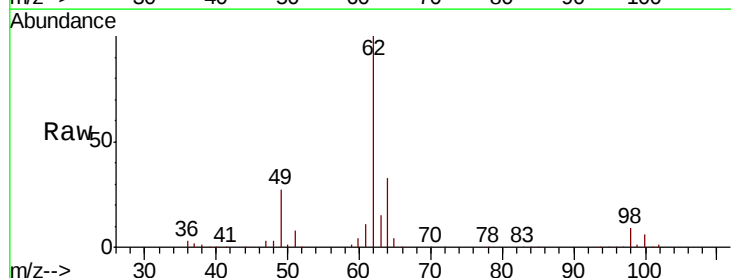
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

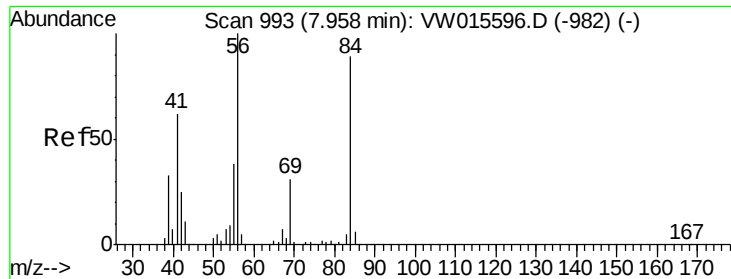
Tot Ion: 83 Resp: 218437
Ion Ratio Lower Upper
83 100
85 65.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 25.849 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015602.D
Acq: 16 Jun 2020 11:55

Tgt Ion: 62 Resp: 145579
Ion Ratio Lower Upper
62 100
98 9.2 7.0 10.4

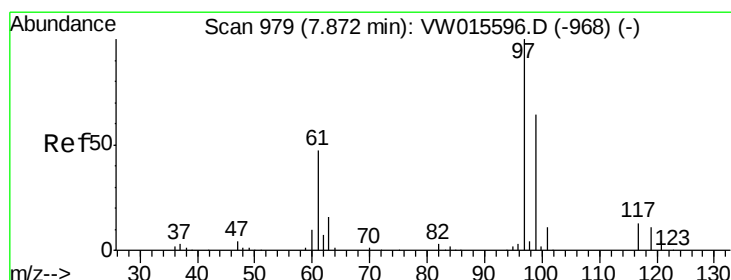
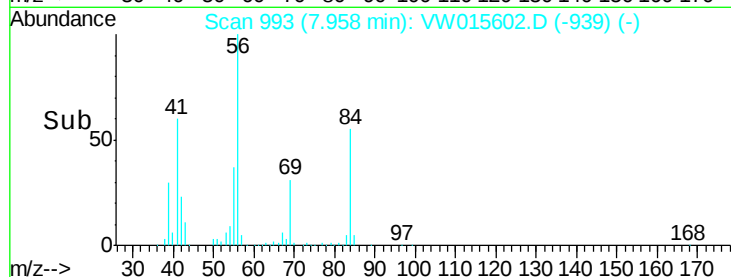
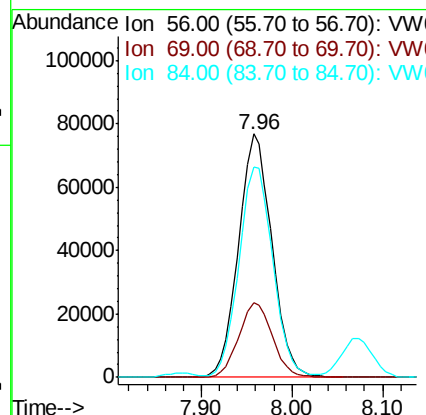
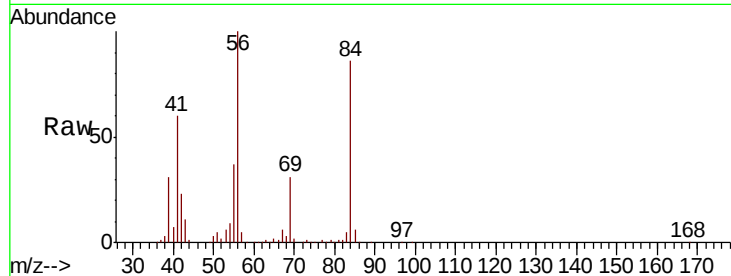




#30
Cyclohexane
Concen: 24.627 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015602.D
Acq: 16 Jun 2020 11:55

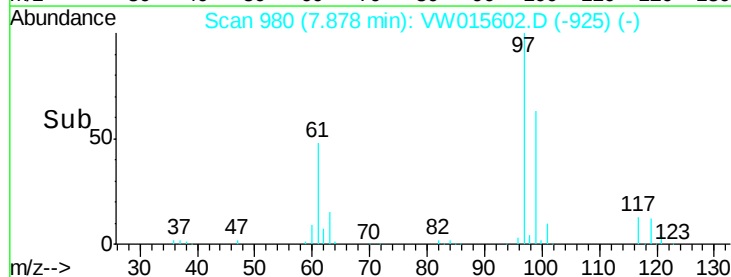
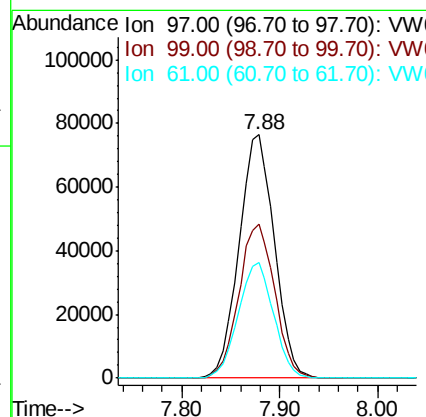
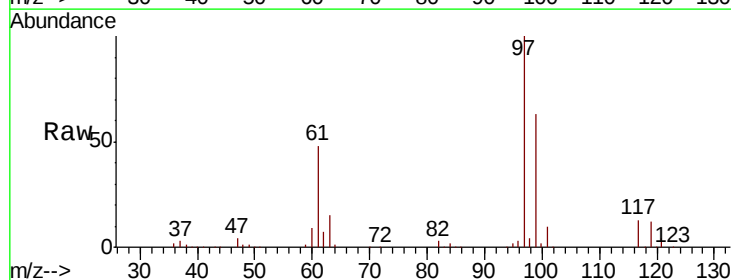
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

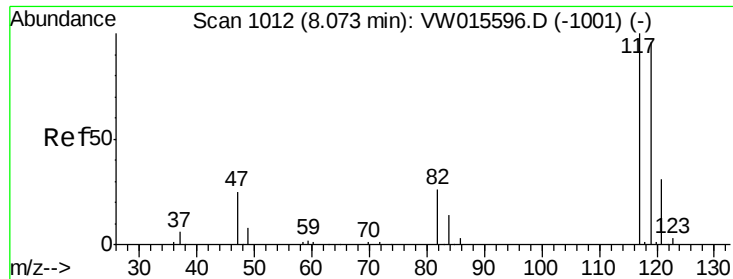
Tot Ion: 56 Resp: 196308
Ion Ratio Lower Upper
56 100
69 30.9 24.6 37.0
84 88.3 69.6 104.4



#31
1,1,1-Trichloroethane
Concen: 26.614 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW015602.D
Acq: 16 Jun 2020 11:55

Tgt Ion: 97 Resp: 192000
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 47.6 38.1 57.1





#32

Carbon tetrachloride

Concen: 26.227 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW015602.D

Acq: 16 Jun 2020 11:55

Instrument :

MSVOA_W

ClientSampleId :

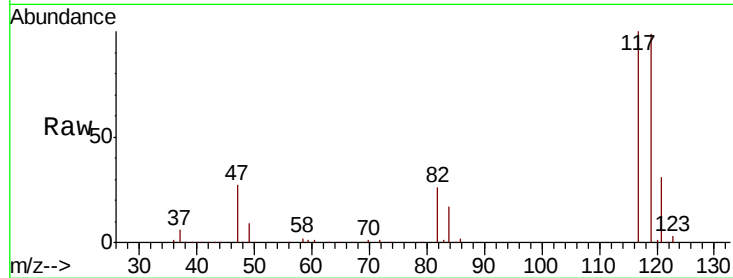
VSTD02508

Tot Ion:117 Resp: 173537

Ion Ratio Lower Upper

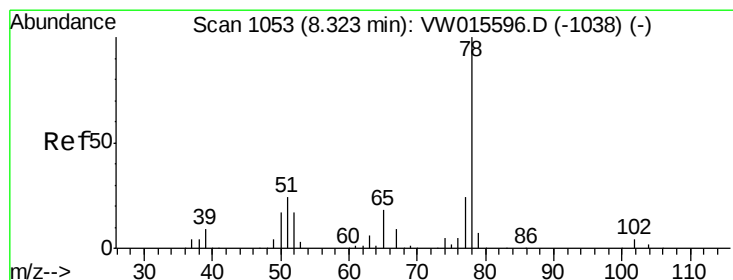
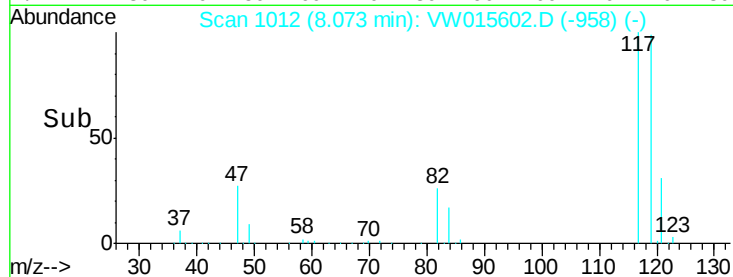
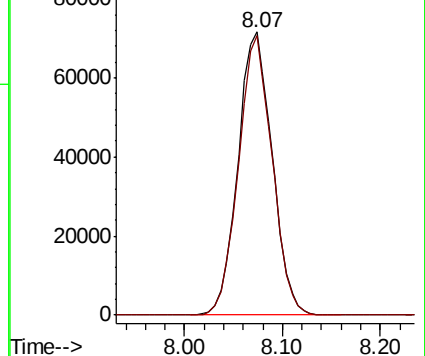
117 100

119 97.1 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.032 ug/L

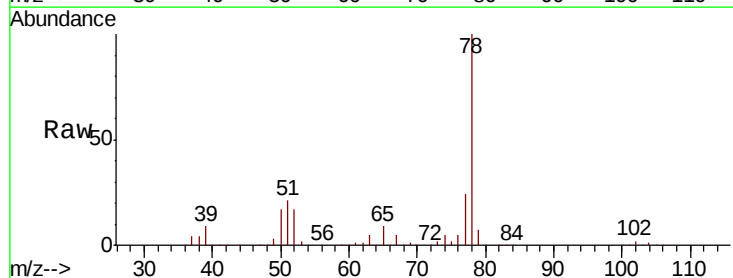
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

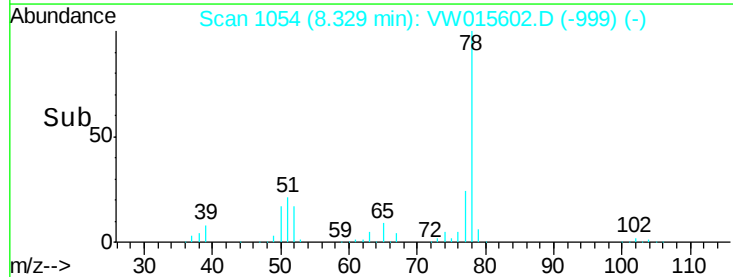
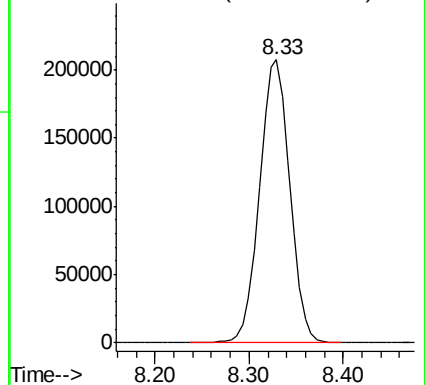
Lab File: VW015602.D

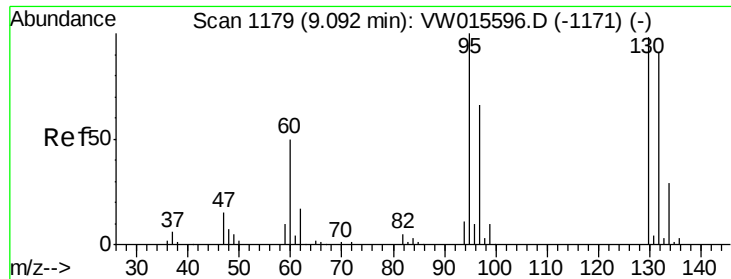
Acq: 16 Jun 2020 11:55

Tgt Ion: 78 Resp: 469456



Abundance Ion 78.00 (77.70 to 78.70): VW

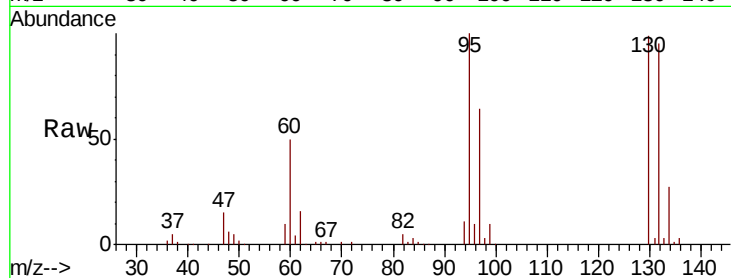




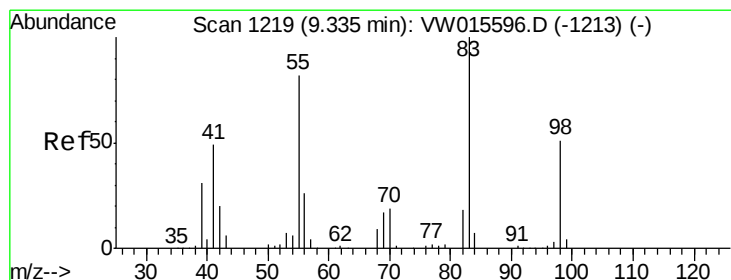
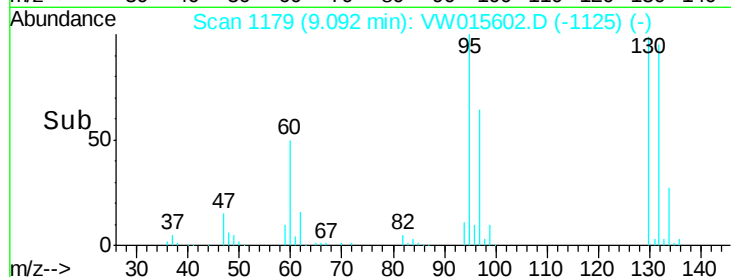
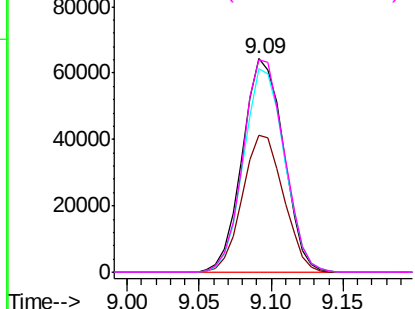
#35
 Trichloroethene
 Concen: 26.298 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW015602.D
 Acq: 16 Jun 2020 11:55

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02508

Tot Ion: 95 Resp: 127390
 Ion Ratio Lower Upper
 95 100
 97 64.3 45.4 84.2
 132 94.8 67.1 124.7
 130 99.7 69.4 128.8

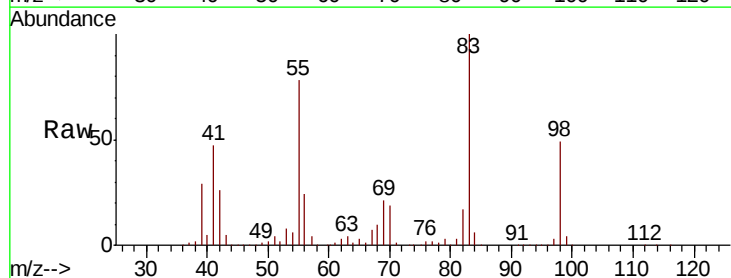


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

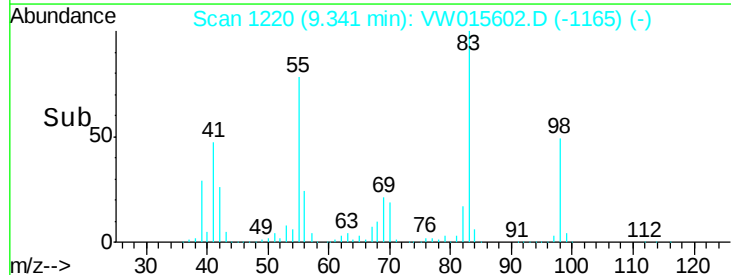
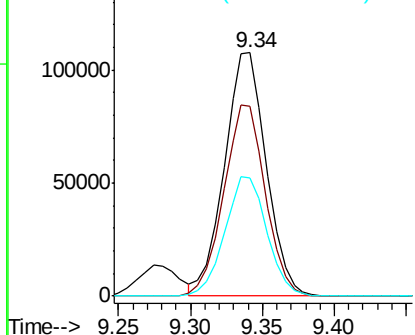


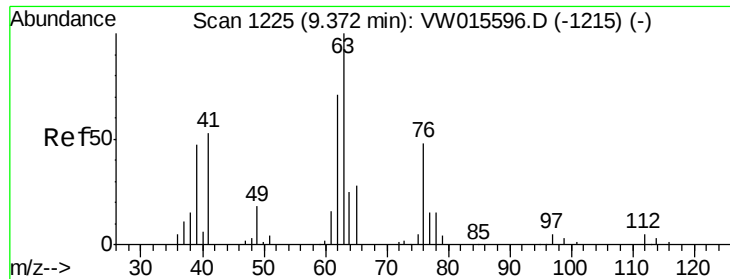
#36
 Methylcyclohexane
 Concen: 25.178 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW015602.D
 Acq: 16 Jun 2020 11:55

Tgt Ion: 83 Resp: 217527
 Ion Ratio Lower Upper
 83 100
 55 78.3 62.8 94.2
 98 49.5 39.2 58.8



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

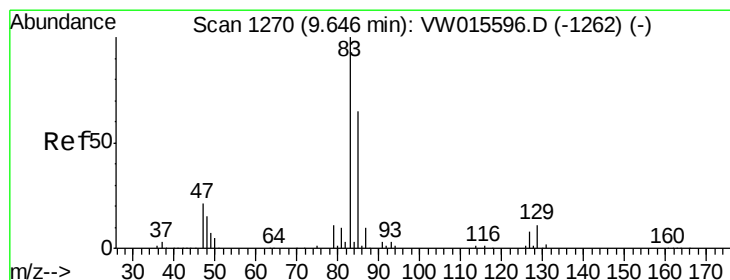
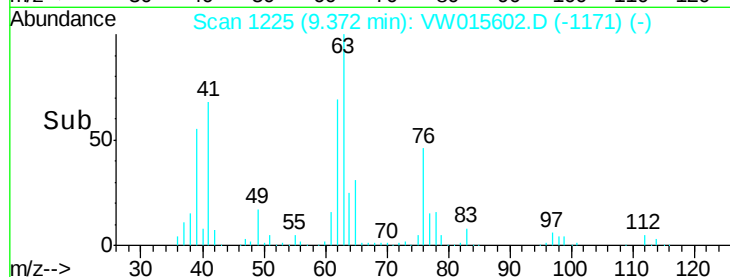
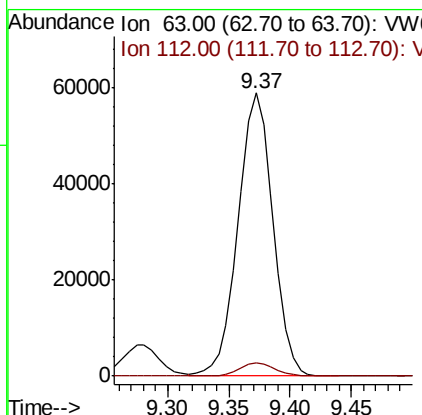
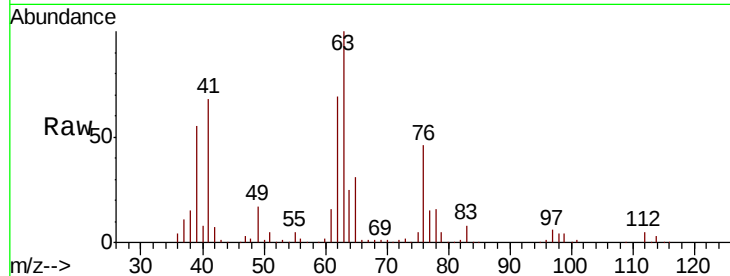




#40
 1,2-Dichloropropane
 Concen: 26.206 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015602.D
 Acq: 16 Jun 2020 11:55

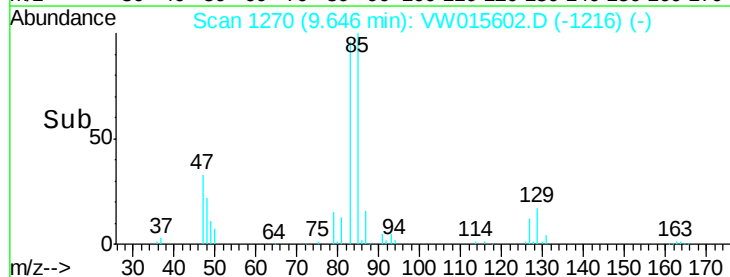
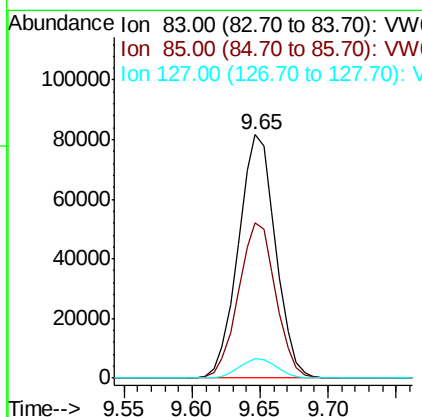
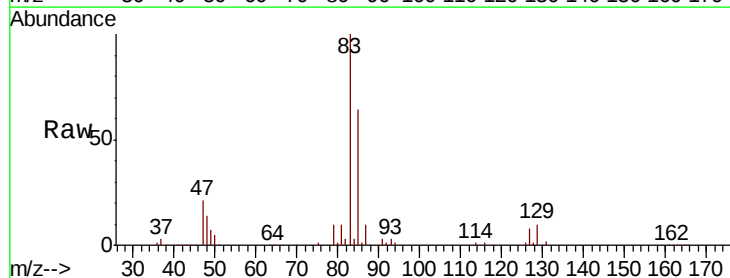
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

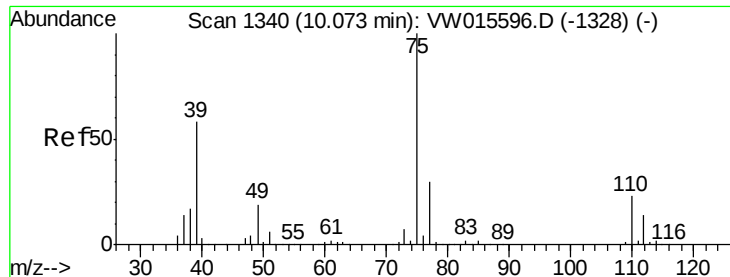
Tot Ion: 63 Resp: 116381
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.8



#41
 Bromodichloromethane
 Concen: 26.302 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015602.D
 Acq: 16 Jun 2020 11:55

Tgt Ion: 83 Resp: 156046
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.8 83.2
 127 7.9 7.0 10.6

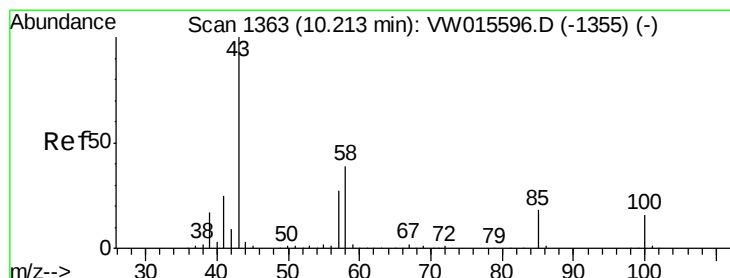
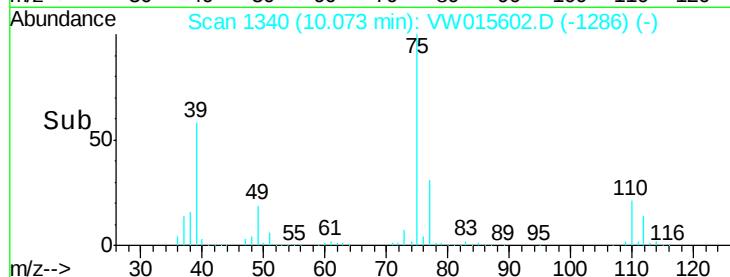
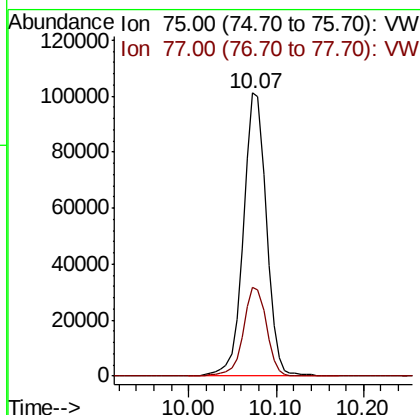
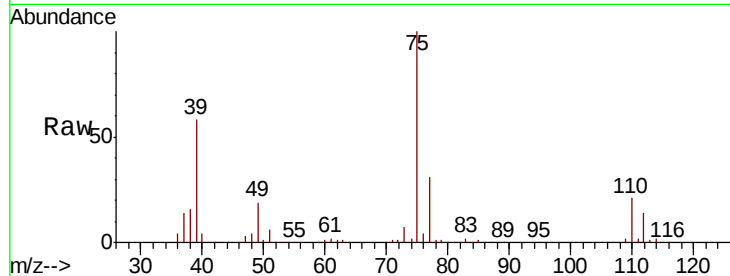




#42
 cis-1,3-Dichloropropene
 Concen: 26.010 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015602.D
 Acq: 16 Jun 2020 11:55

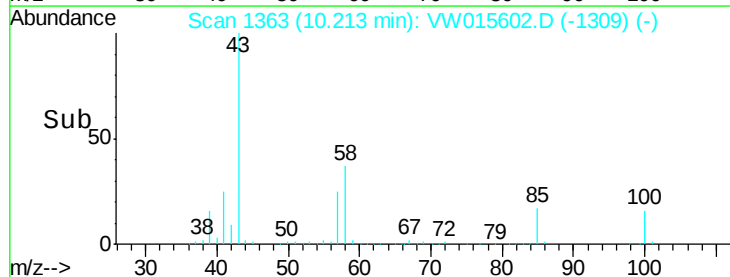
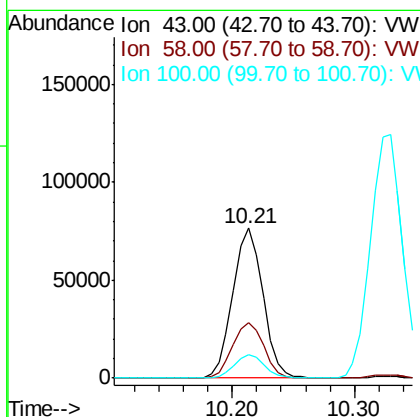
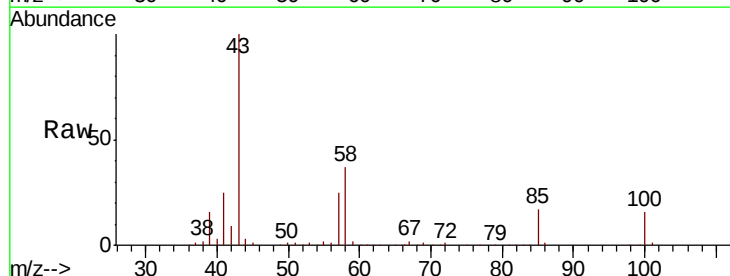
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

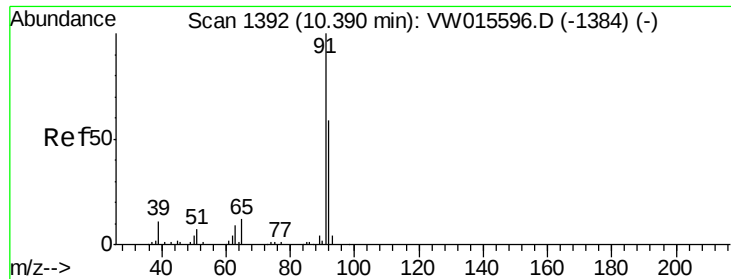
Tot Ion: 75 Resp: 184842
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.3 41.5



#43
 4-Methyl-2-pentanone
 Concen: 50.291 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW015602.D
 Acq: 16 Jun 2020 11:55

Tgt Ion: 43 Resp: 130918
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.6 46.0
 100 15.7 12.5 18.7





#44

Toluene

Concen: 26.253 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015602.D

Acq: 16 Jun 2020 11:55

Instrument :

MSVOA_W

ClientSampleId :

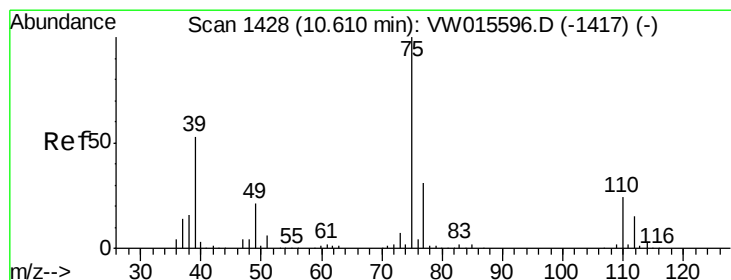
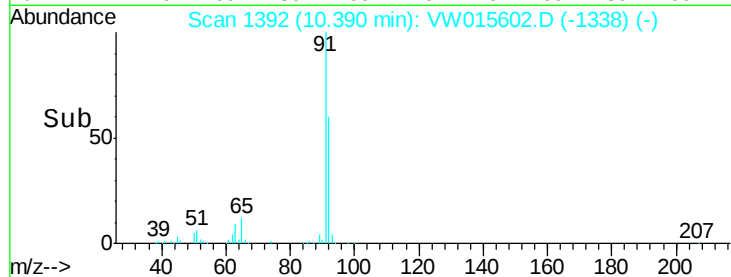
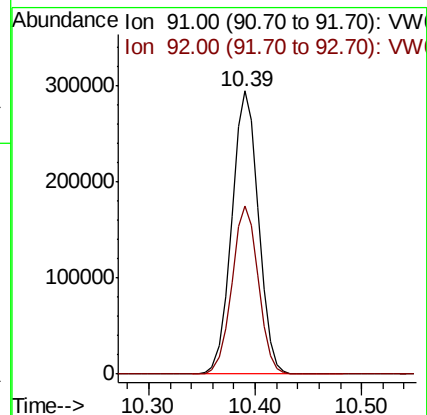
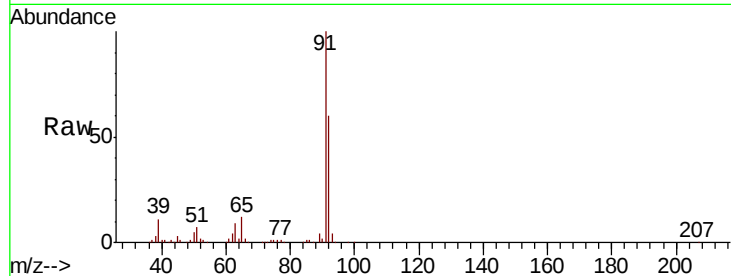
VSTD02508

Tot Ion: 91 Resp: 515800

Ion Ratio Lower Upper

91 100

92 59.6 41.7 77.5



#45

trans-1,3-Dichloropropene

Concen: 26.087 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015602.D

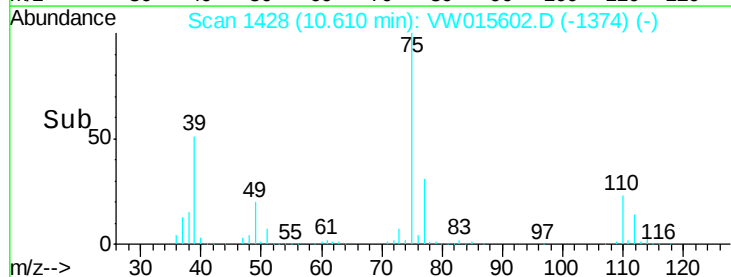
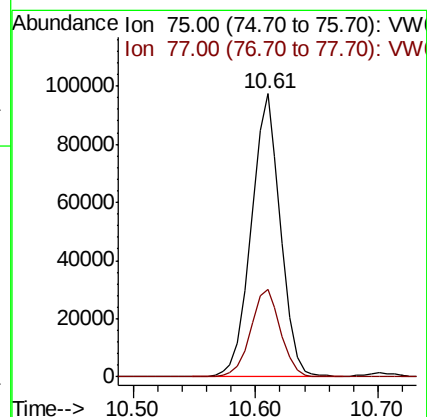
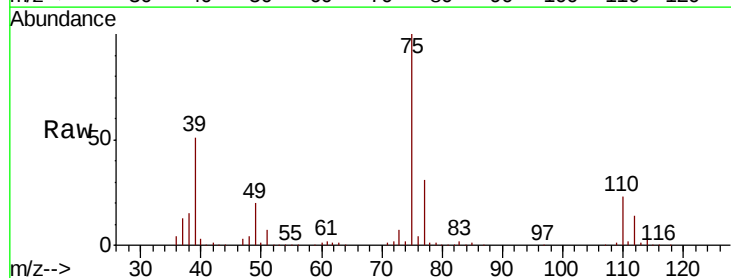
Acq: 16 Jun 2020 11:55

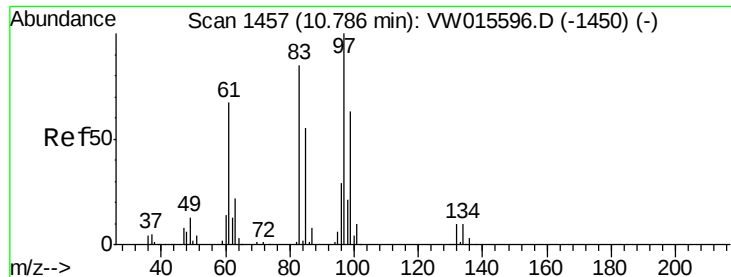
Tgt Ion: 75 Resp: 161334

Ion Ratio Lower Upper

75 100

77 31.1 21.5 39.9

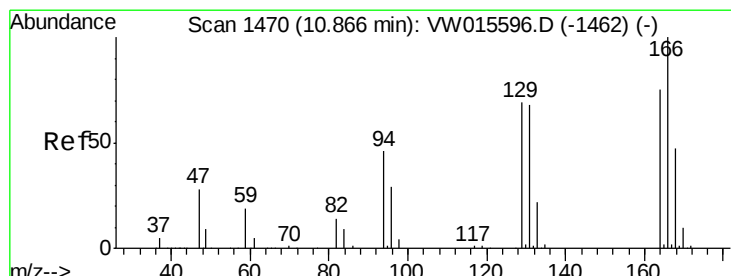
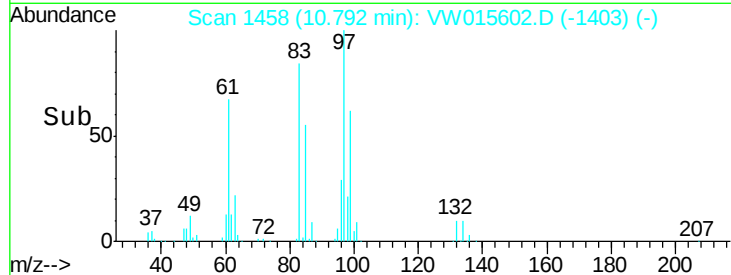
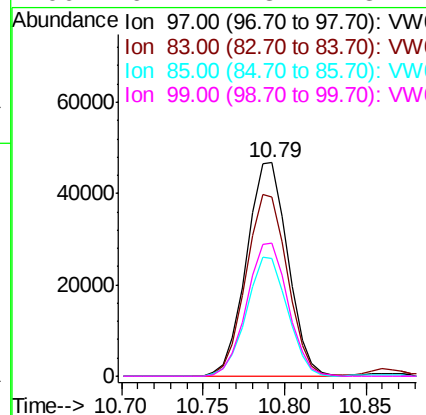
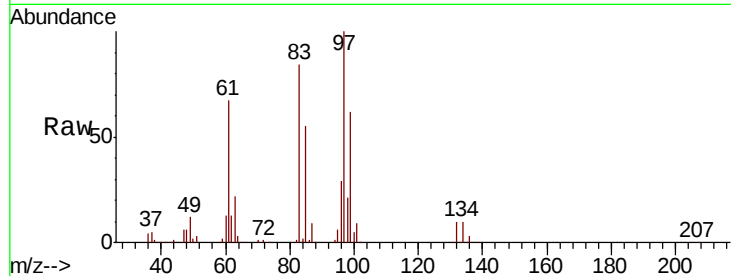




#46
 1,1,2-Trichloroethane
 Concen: 26.687 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW015602.D
 Acq: 16 Jun 2020 11:55

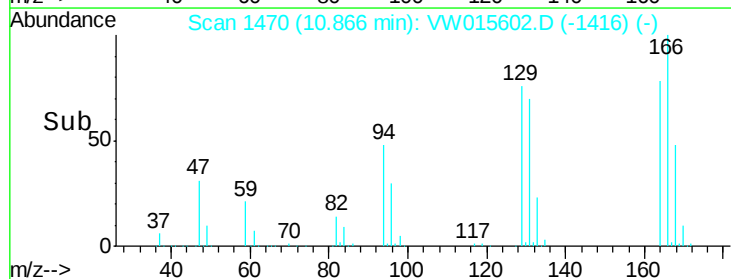
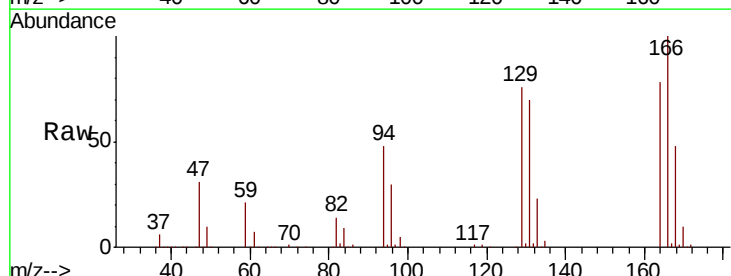
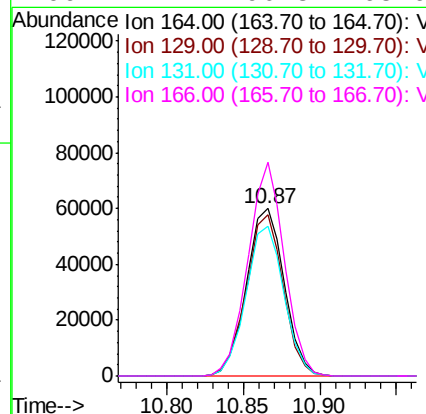
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02508

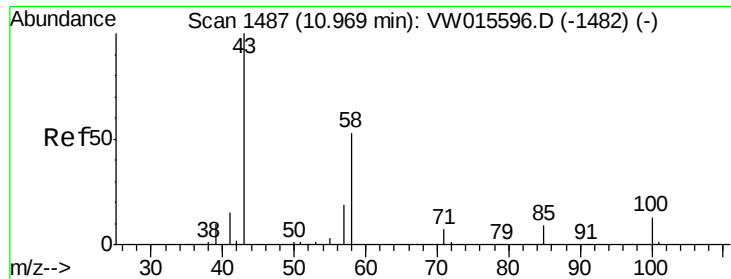
Tot Ion: 97 Resp: 82914
 Ion Ratio Lower Upper
 97 100
 83 83.9 58.2 108.2
 85 55.2 37.4 69.4
 99 62.4 43.7 81.1



#47
 Tetrachloroethene
 Concen: 26.841 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW015602.D
 Acq: 16 Jun 2020 11:55

Tgt Ion: 164 Resp: 103068
 Ion Ratio Lower Upper
 164 100
 129 96.8 66.3 123.1
 131 89.8 65.1 120.9
 166 127.7 90.8 168.6





#49

2-Hexanone

Concen: 52.280 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW015602.D

Acq: 16 Jun 2020 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tot Ion: 43 Resp: 91864

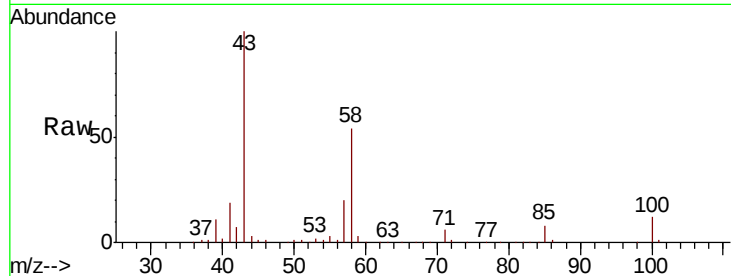
Ion Ratio Lower Upper

43 100

58 53.7 42.6 64.0

57 19.1 15.5 23.3

100 12.7 10.3 15.5

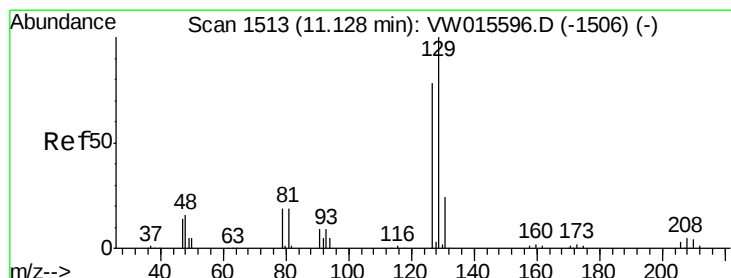
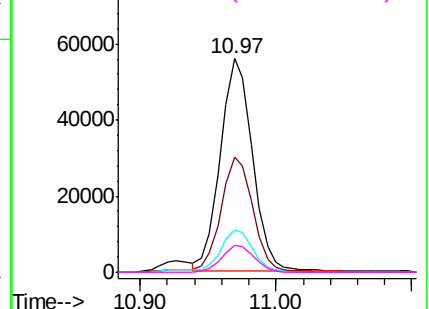
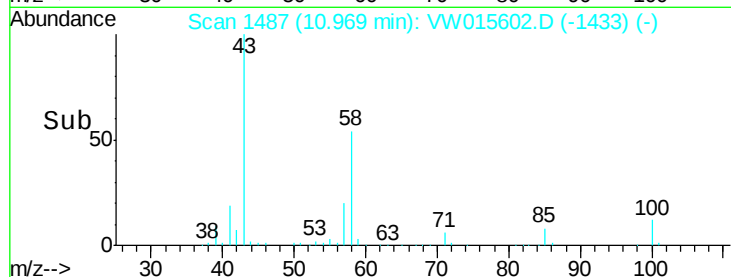


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 26.908 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW015602.D

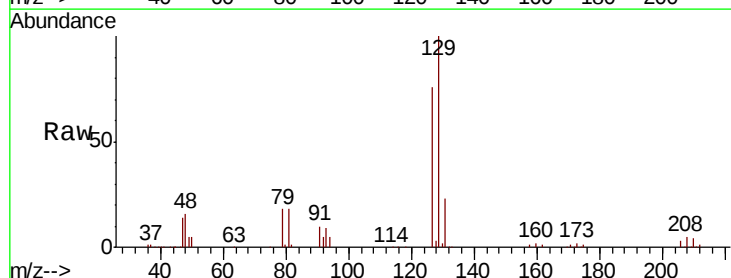
Acq: 16 Jun 2020 11:55

Tgt Ion: 129 Resp: 101573

Ion Ratio Lower Upper

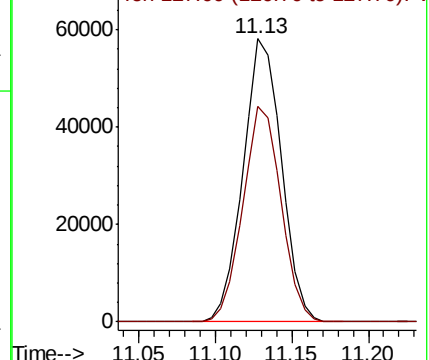
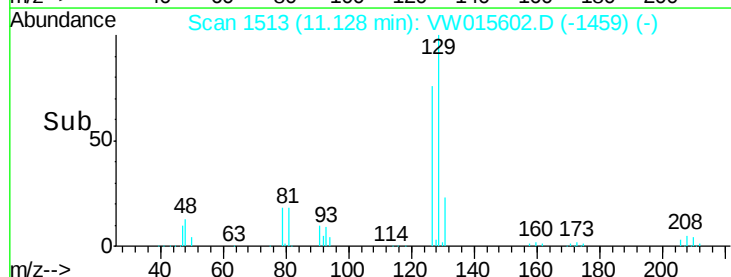
129 100

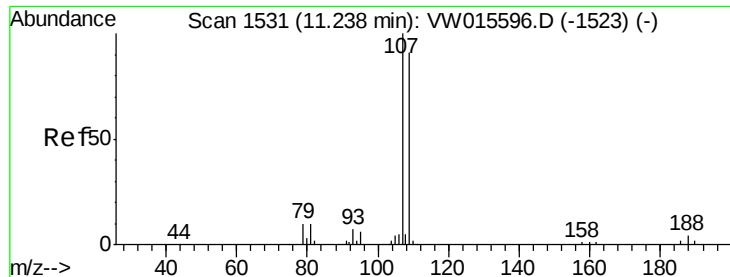
127 76.1 53.0 98.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

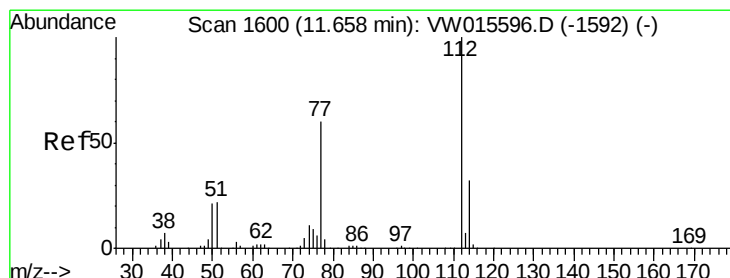
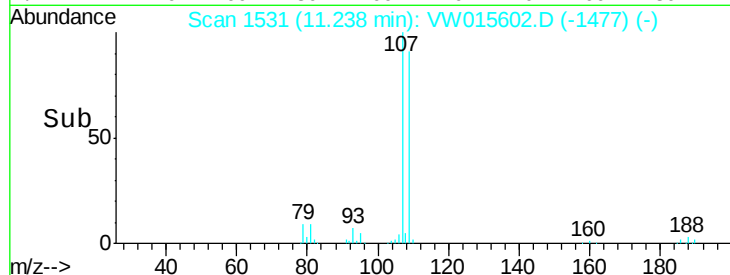
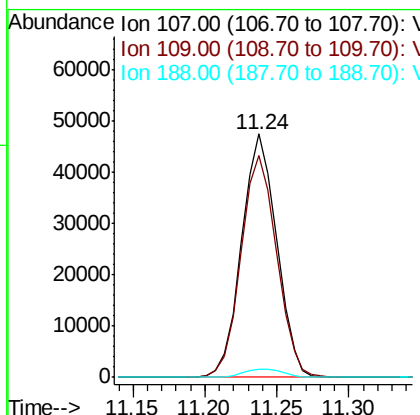
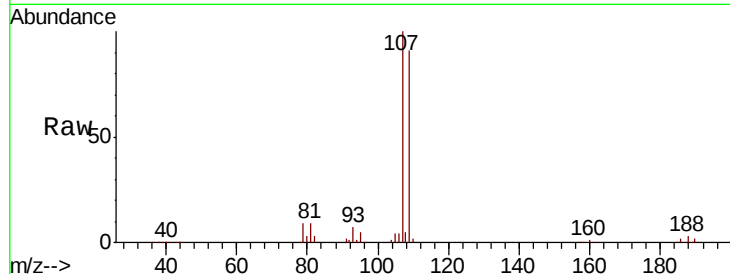




#51
1,2-Dibromoethane
Concen: 26.851 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW015602.D
Acq: 16 Jun 2020 11:55

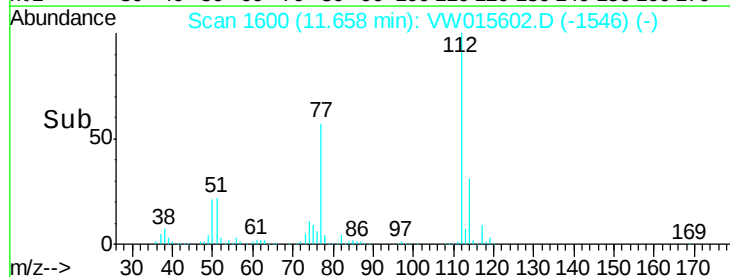
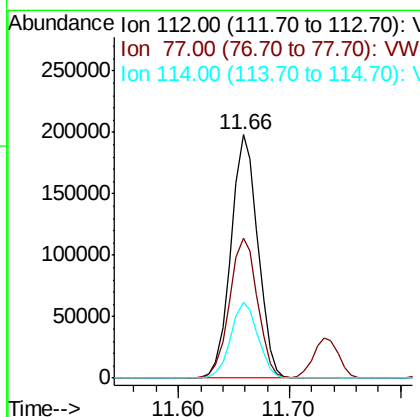
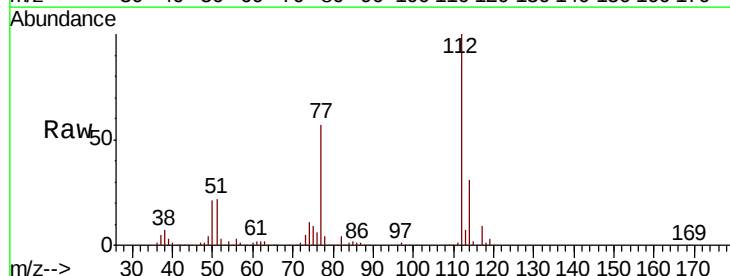
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

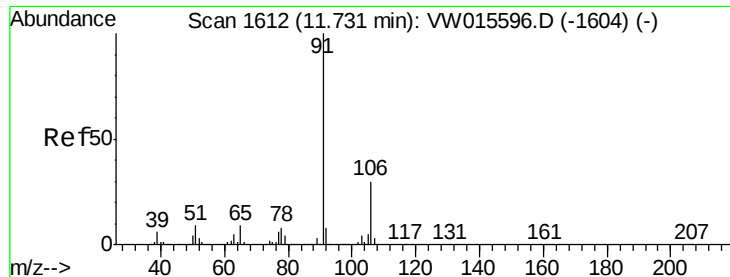
Tot Ion:107 Resp: 80091
Ion Ratio Lower Upper
107 100
109 91.1 64.6 120.0
188 3.3 2.8 4.2



#52
Chlorobenzene
Concen: 26.709 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015602.D
Acq: 16 Jun 2020 11:55

Tgt Ion:112 Resp: 329152
Ion Ratio Lower Upper
112 100
77 57.4 49.7 74.5
114 31.3 21.8 40.6





#53

Ethylbenzene

Concen: 26.480 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015602.D

Acq: 16 Jun 2020 11:55

Instrument :

MSVOA_W

ClientSampleId :

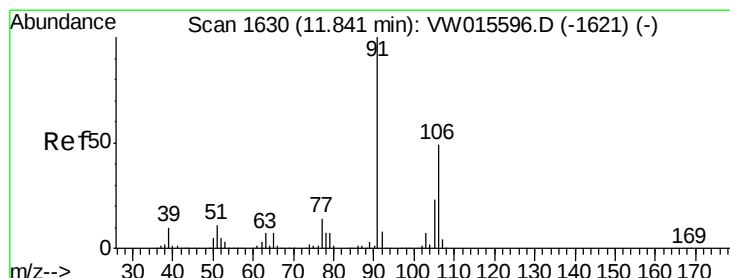
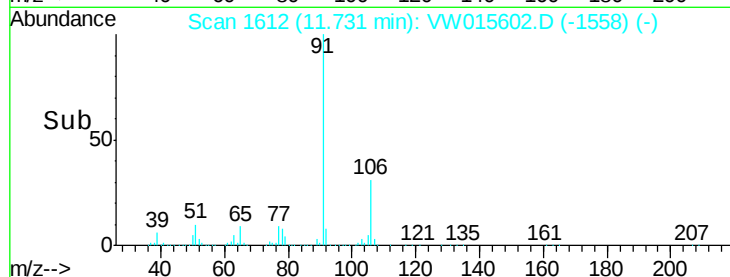
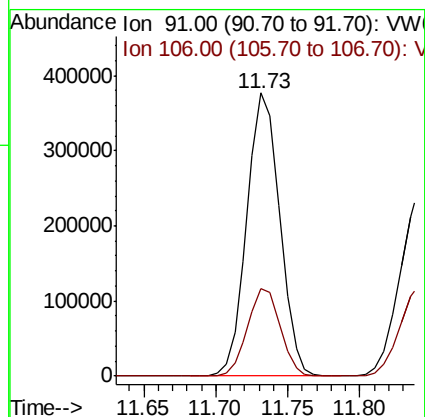
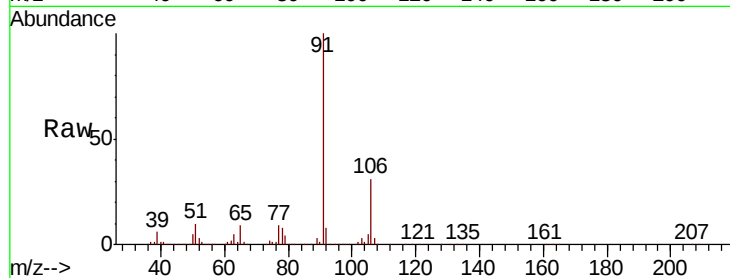
VSTD02508

Tot Ion: 91 Resp: 597391

Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.6



#54

m,p-Xylene

Concen: 26.637 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015602.D

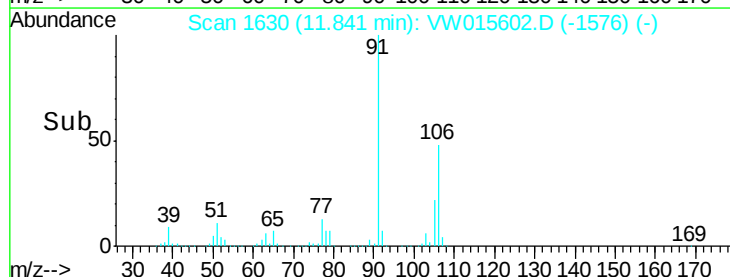
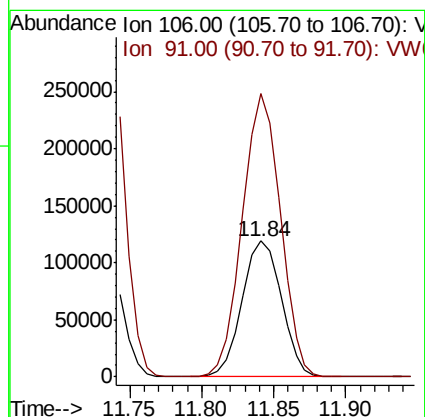
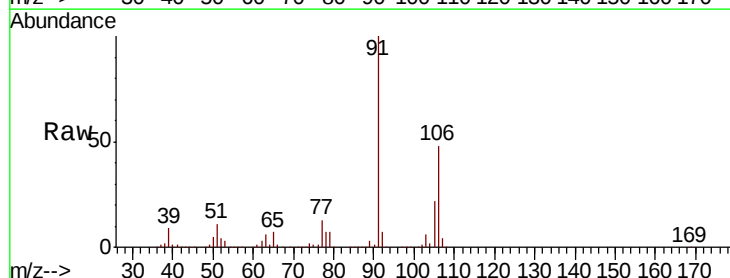
Acq: 16 Jun 2020 11:55

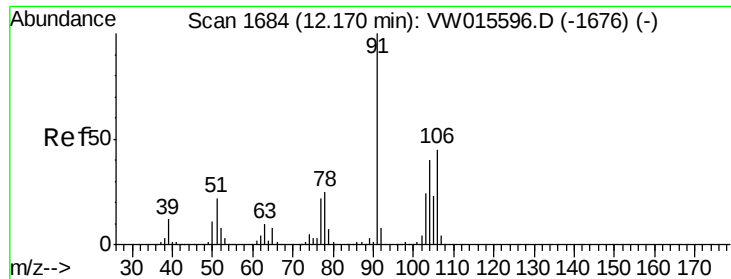
Tgt Ion: 106 Resp: 225496

Ion Ratio Lower Upper

106 100

91 208.1 142.6 264.8

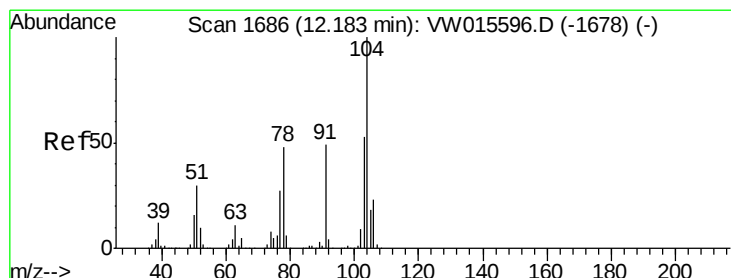
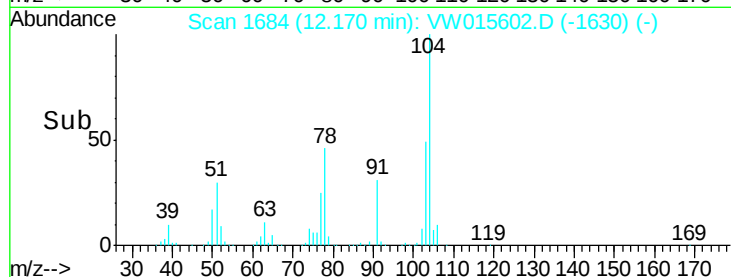
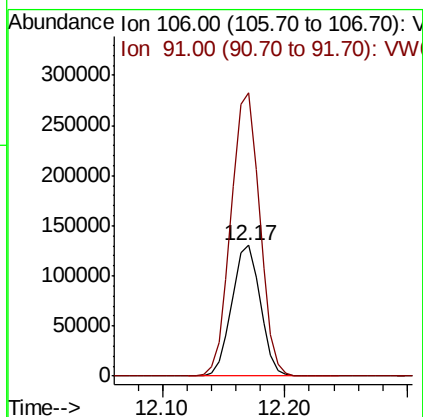
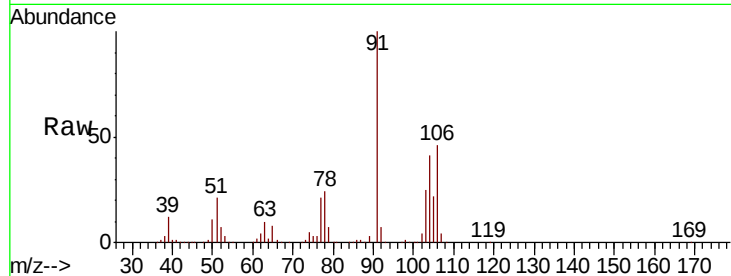




#55
o-xylene
Concen: 26.225 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015602.D
Acq: 16 Jun 2020 11:55

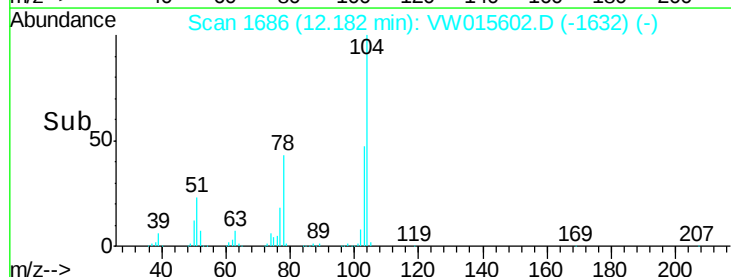
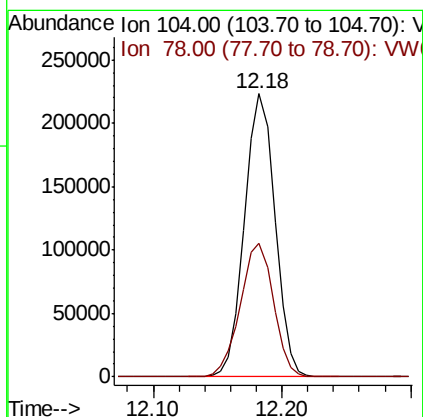
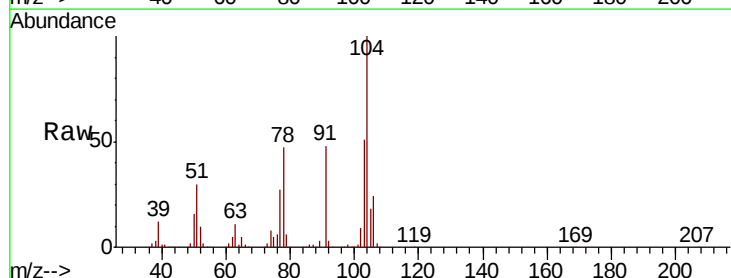
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

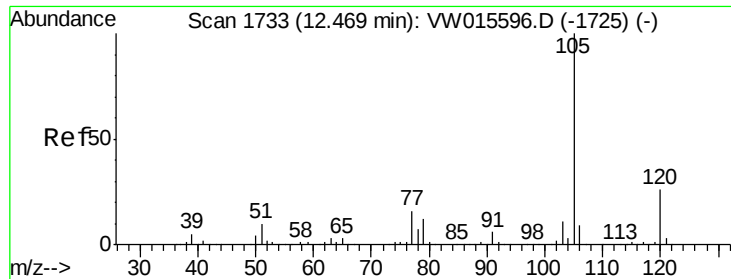
Tot Ion:106 Resp: 210734
Ion Ratio Lower Upper
106 100
91 216.3 149.0 276.6



#56
Styrene
Concen: 26.604 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015602.D
Acq: 16 Jun 2020 11:55

Tgt Ion:104 Resp: 365279
Ion Ratio Lower Upper
104 100
78 47.2 32.9 61.1





#57

Isopropylbenzene

Concen: 26.376 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW015602.D

Acq: 16 Jun 2020 11:55

Instrument :

MSVOA_W

ClientSampleID :

VSTD02508

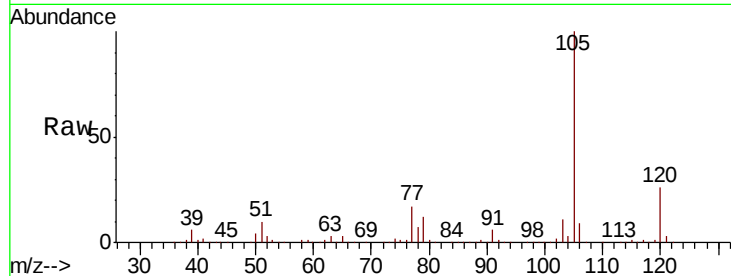
Tot Ion:105 Resp: 590413

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.4

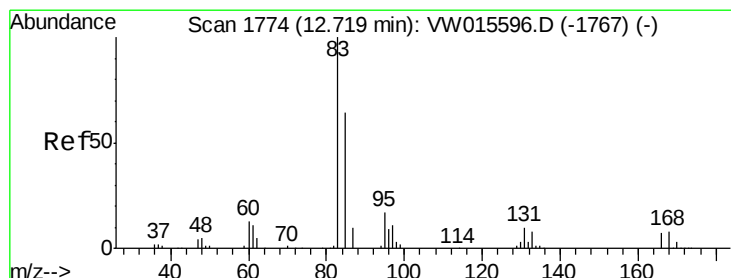
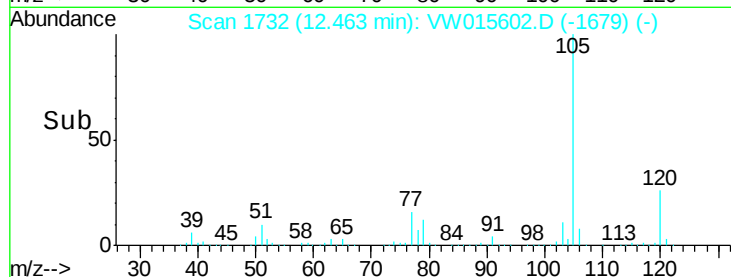
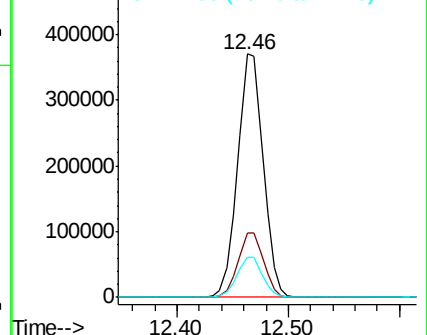
77 16.6 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 27.035 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW015602.D

Acq: 16 Jun 2020 11:55

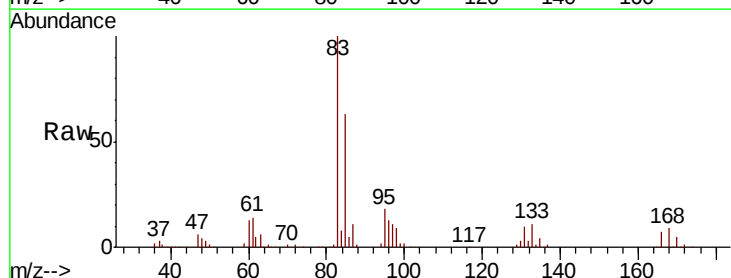
Tgt Ion: 83 Resp: 97243

Ion Ratio Lower Upper

83 100

85 63.4 44.7 82.9

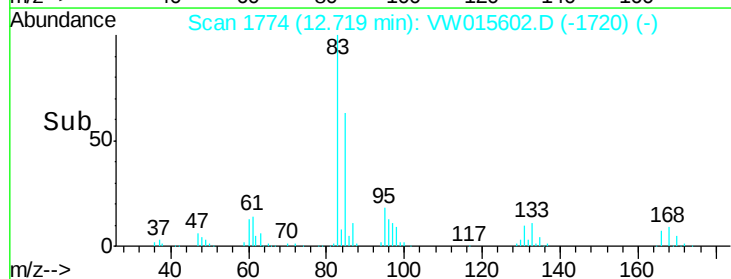
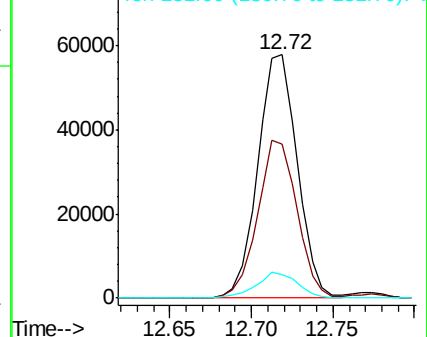
131 9.8 9.1 13.7

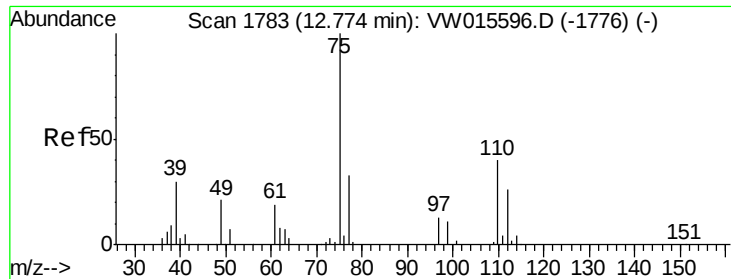


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

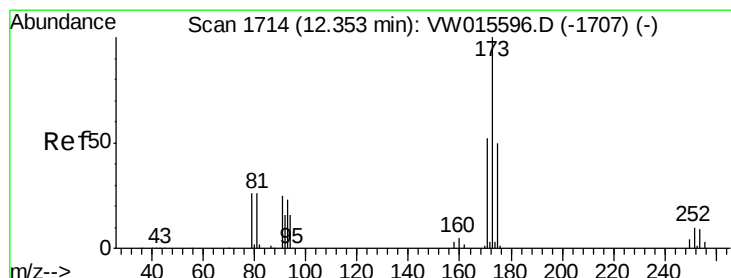
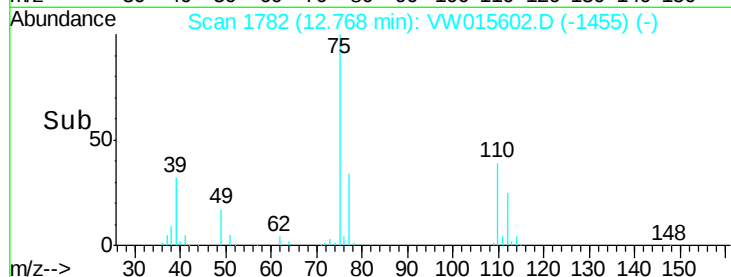
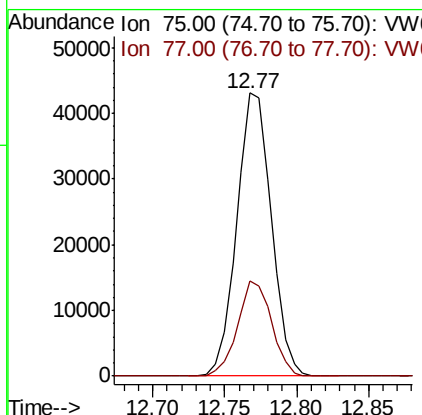
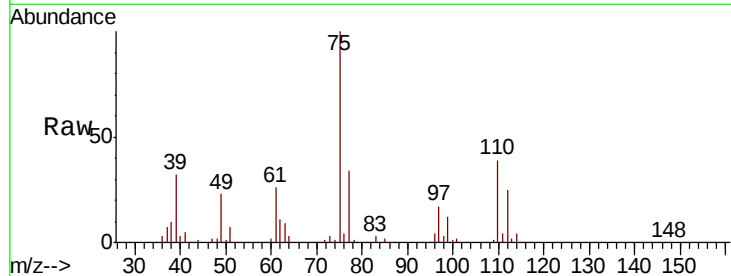




#59
 1,2,3-Trichloropropane
 Concen: 26.330 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW015602.D
 Acq: 16 Jun 2020 11:55

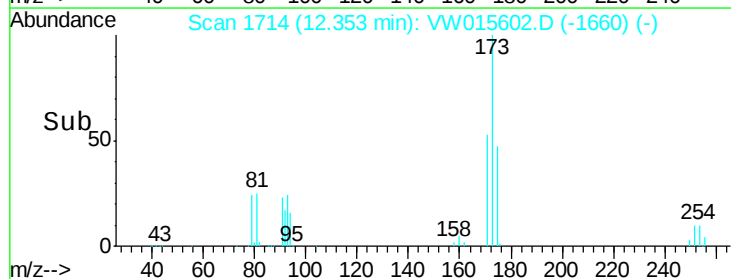
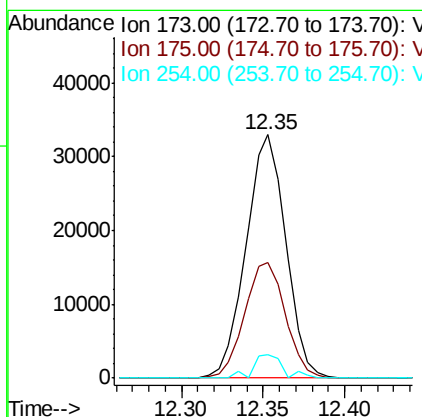
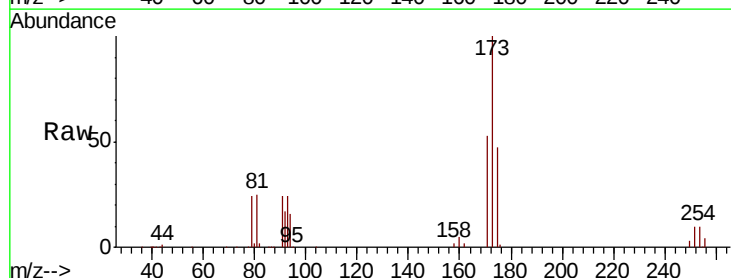
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

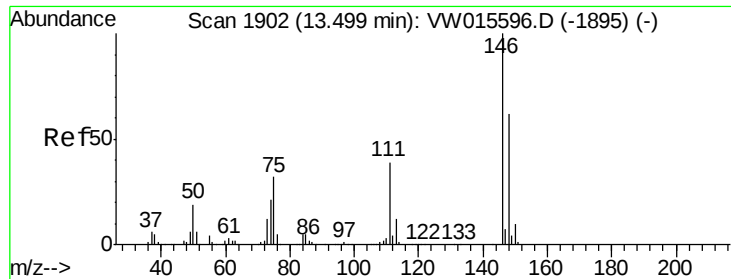
Tot Ion: 75 Resp: 71812
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.9 38.9



#62
 Bromoform
 Concen: 24.567 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW015602.D
 Acq: 16 Jun 2020 11:55

Tgt Ion: 173 Resp: 55962
 Ion Ratio Lower Upper
 173 100
 175 48.7 37.9 56.9
 254 5.8 6.8 10.2#

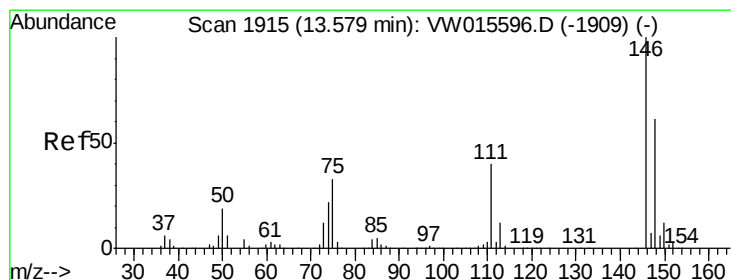
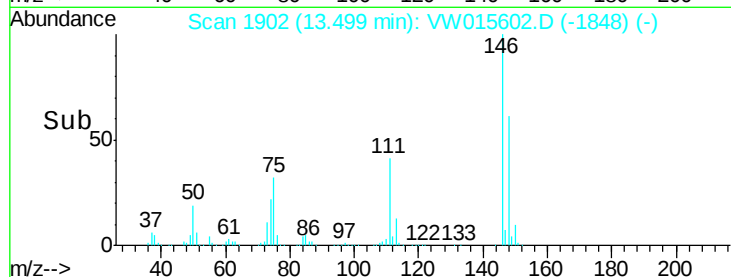
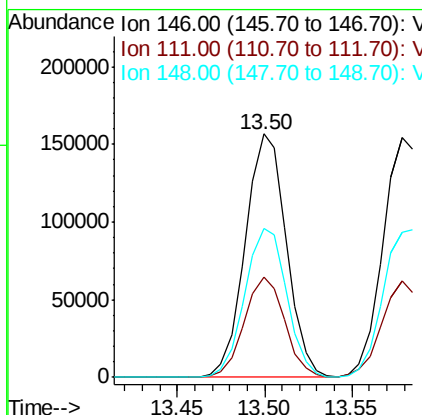
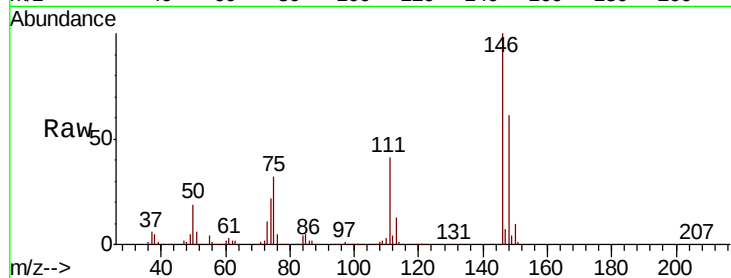




#63
 1,3-Dichlorobenzene
 Concen: 25.786 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015602.D
 Acq: 16 Jun 2020 11:55

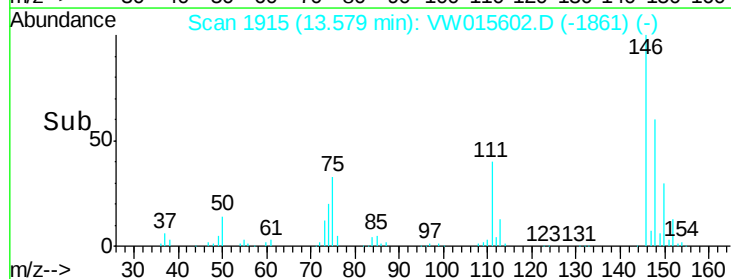
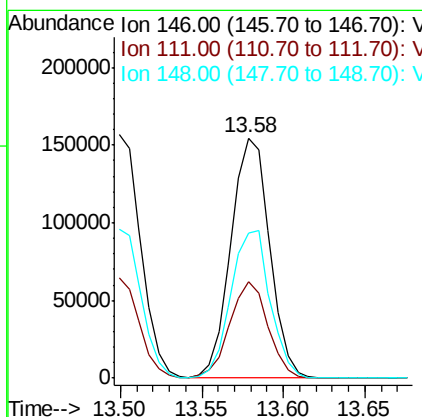
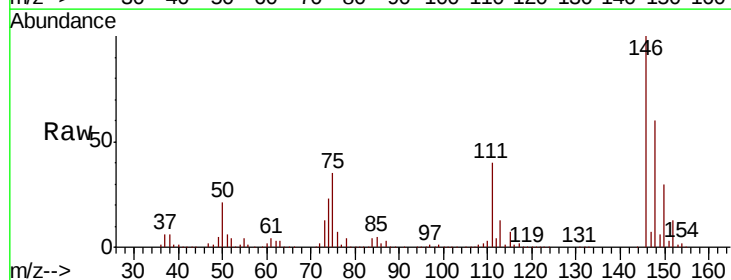
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

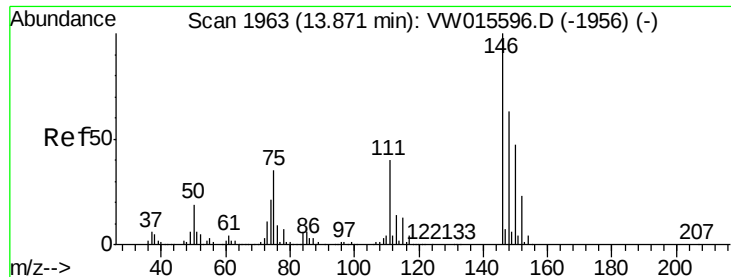
Tot Ion:146 Resp: 257973
 Ion Ratio Lower Upper
 146 100
 111 41.0 29.3 54.5
 148 61.1 42.5 78.9



#64
 1,4-Dichlorobenzene
 Concen: 26.139 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015602.D
 Acq: 16 Jun 2020 11:55

Tgt Ion:146 Resp: 256231
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.1 52.1
 148 60.4 43.3 80.3

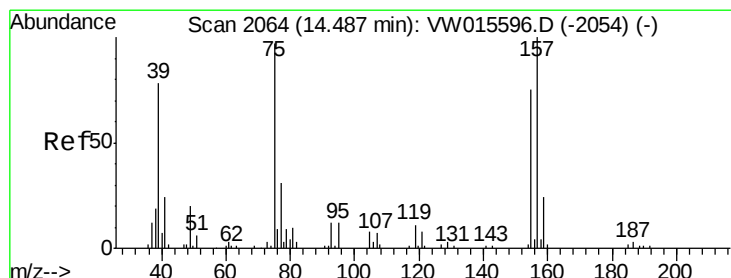
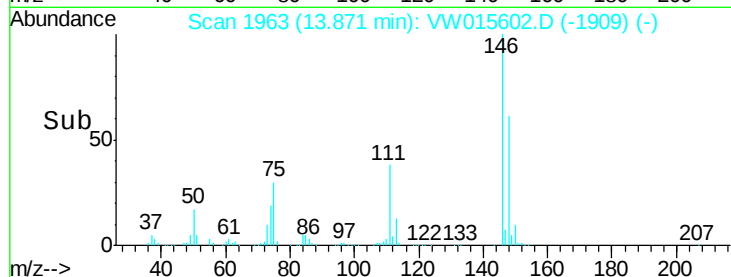
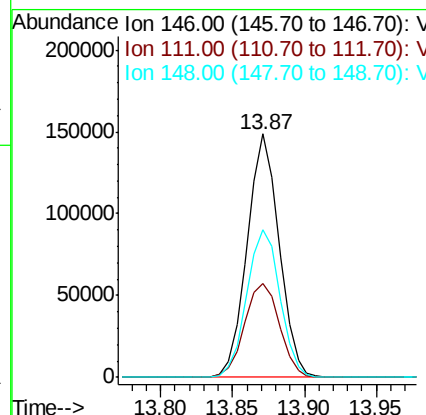
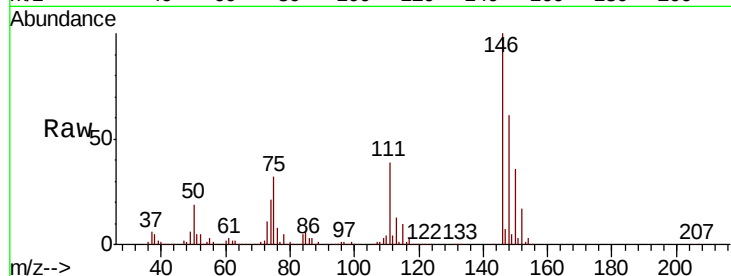




#65
 1,2-Dichlorobenzene
 Concen: 26.235 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015602.D
 Acq: 16 Jun 2020 11:55

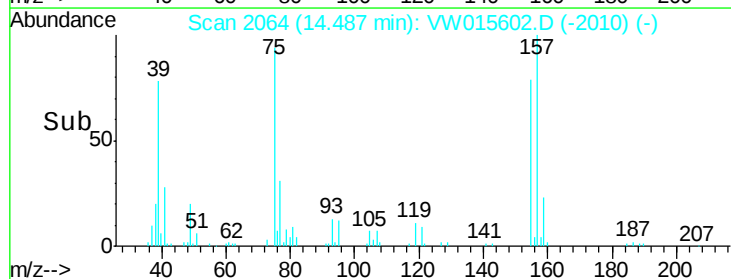
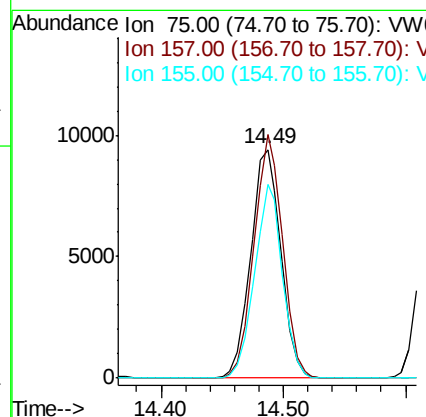
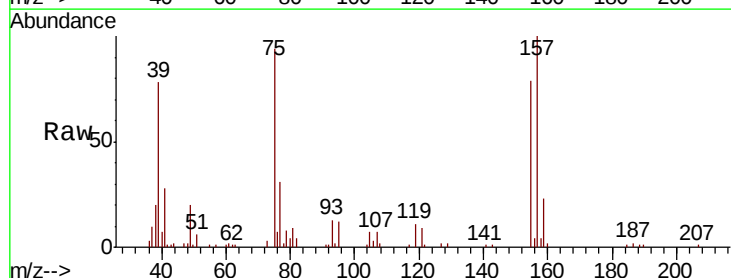
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

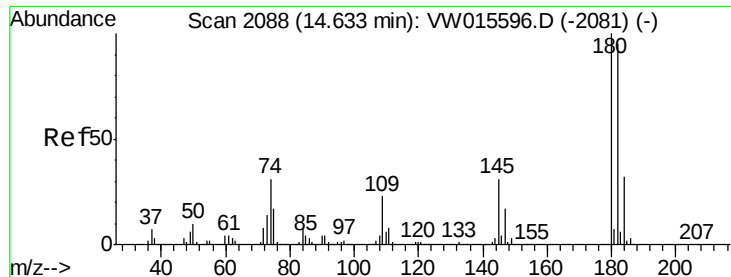
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	34.9	52.3
148	60.7	51.8	77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.432 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW015602.D
 Acq: 16 Jun 2020 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
157	106.4	87.4	131.0
155	84.4	64.6	96.8

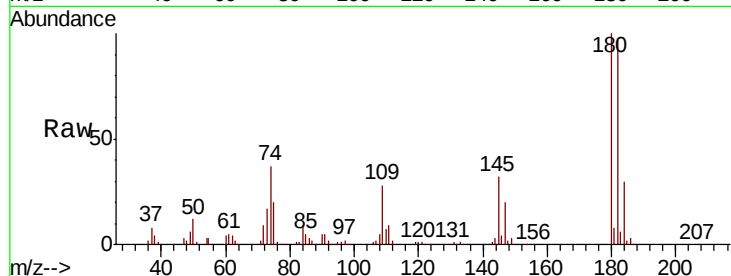




#67
1,3,5-Trichlorobenzene
Concen: 26.125 ug/L
RT: 14.63 min Scan# 2087
Delta R.T. -0.01 min
Lab File: VW015602.D
Acq: 16 Jun 2020 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.6	114.8
184	30.1	24.4	36.6
145	30.5	24.0	36.0



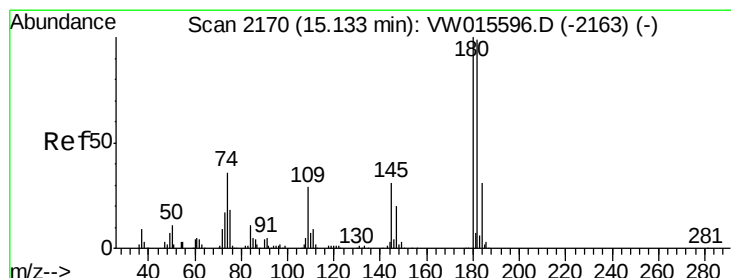
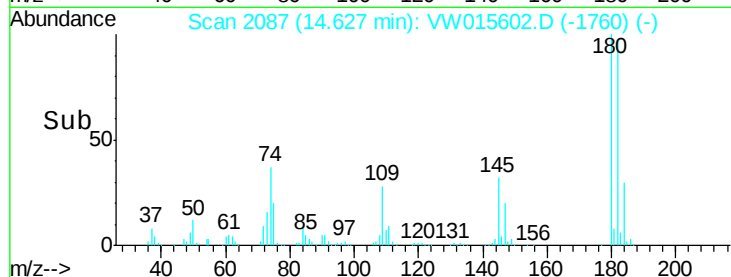
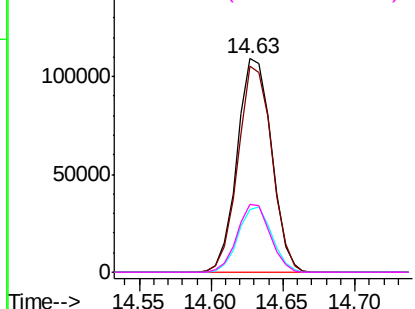
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

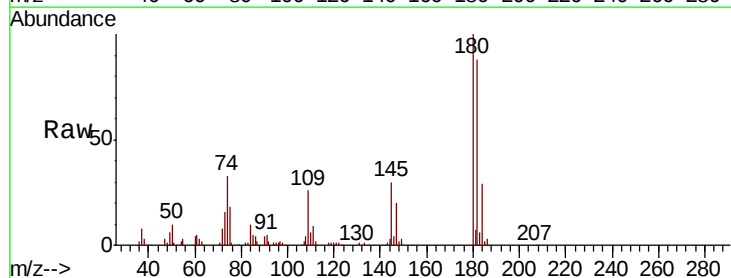
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
1,2,4-trichlorobenzene
Concen: 27.192 ug/L
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW015602.D
Acq: 16 Jun 2020 11:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	76.1	114.1
145	29.6	25.2	37.8

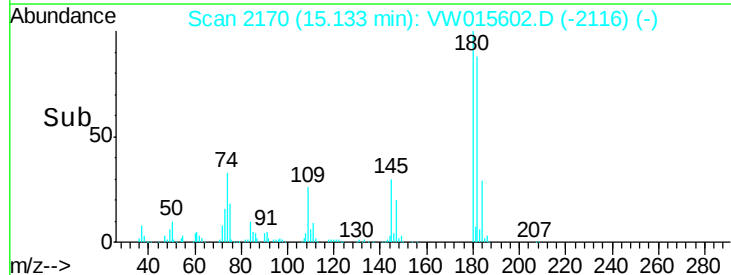
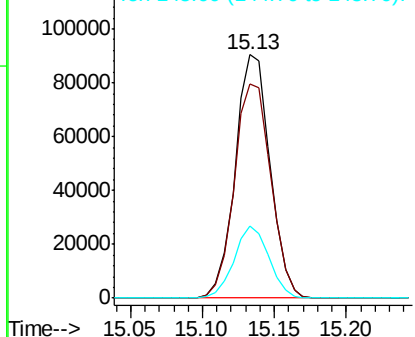


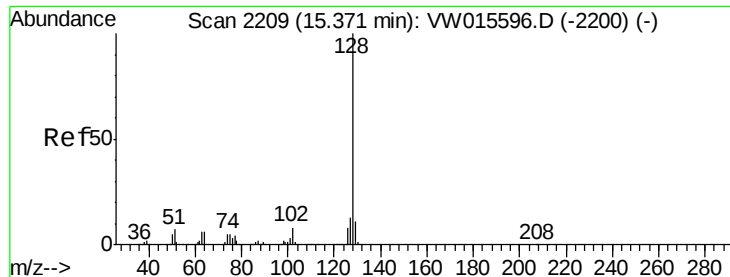
Abundance

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: 26.387 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015602.D

Acq: 16 Jun 2020 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

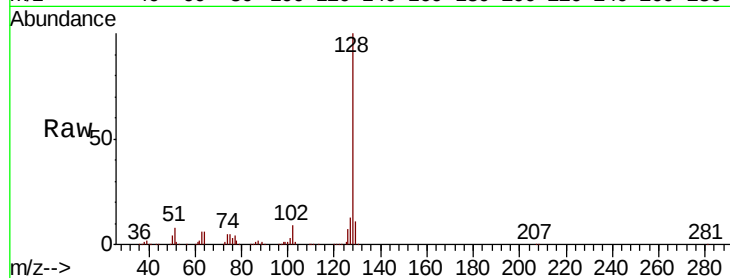
Tot Ion:128 Resp: 267276

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

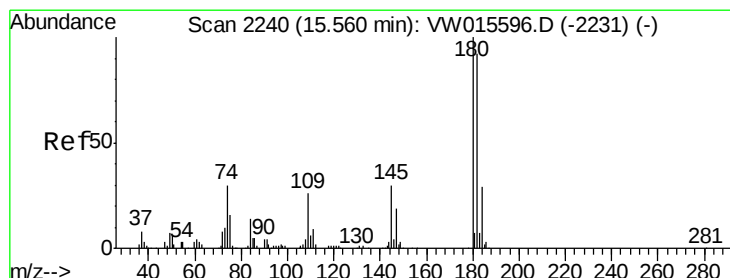
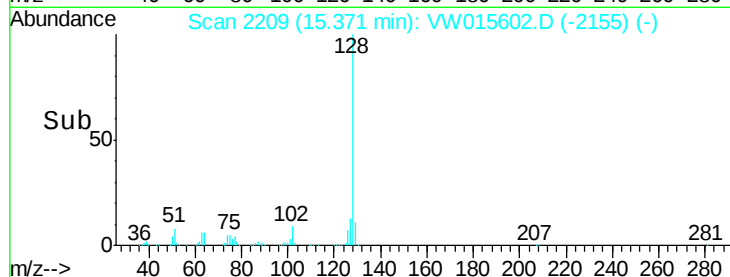
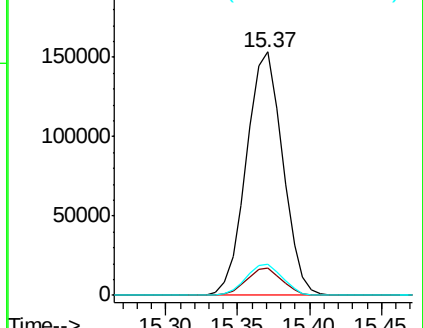
127 12.9 10.6 15.8



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: 26.720 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW015602.D

Acq: 16 Jun 2020 11:55

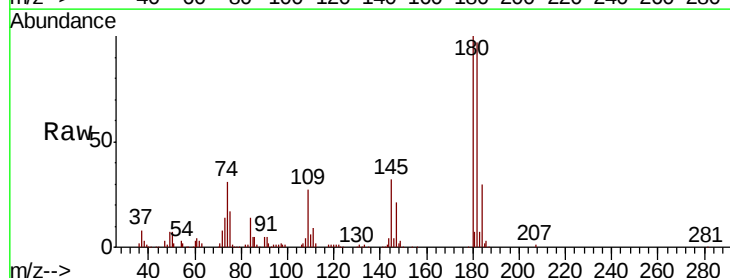
Tgt Ion:180 Resp: 126811

Ion Ratio Lower Upper

180 100

182 96.4 75.4 113.2

145 33.1 26.7 40.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

