

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061720\
 Data File : VW015614.D
 Acq On : 17 Jun 2020 09:52
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Quant Time: Jun 18 07:04:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 17 12:08:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	338543	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	308319	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	156106	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	62763	20.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.92%
7) Chloroethane-d5	2.89	69	76258	24.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.88%
10) 1,1-Dichloroethene-d2	4.02	63	163844	21.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.68%
20) 2-Butanone-d5	7.08	46	53274	52.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.20%
24) Chloroform-d	7.65	84	189617	24.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.88%
26) 1,2-Dichloroethane-d4	8.31	65	105427	24.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.84%
29) Benzene-d6	8.27	84	348018	23.02	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.08%
33) 1,2-Dichloropropane-d6	9.27	67	108838	23.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.76%
37) Toluene-d8	10.32	98	329425	22.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.64%
38) trans-1,3-Dichloropropene-	10.58	79	44659	21.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.04%
39) 2-Hexanone-d5	10.93	63	42469	53.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.78%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	89775	25.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	119139	22.77	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	71516	23.912	ug/L 100
3) Chloromethane	2.21	50	71391	21.684	ug/L 99
5) Vinyl chloride	2.37	62	113217	22.866	ug/L 98
6) Bromomethane	2.79	94	72738	22.603	ug/L 99
8) Chloroethane	2.93	64	71720	23.796	ug/L 100
9) Trichlorofluoromethane	3.26	101	89233	25.325	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	93850	22.457	ug/L 99
12) 1,1-Dichloroethene	4.04	96	90476	22.413	ug/L 91
13) Acetone	4.12	43	44782	57.190	ug/L 98
14) Carbon disulfide	4.38	76	267972	19.898	ug/L 100
15) Methyl Acetate	4.67	43	40214	23.738	ug/L 99
16) Methylene chloride	4.91	84	95563	23.000	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	143731	22.437	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	97911	22.632	ug/L 98
19) 1,1-Dichloroethane	6.22	63	180240	23.163	ug/L 100
21) 2-Butanone	7.17	43	55297	45.970	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	103604	22.957	ug/L 100

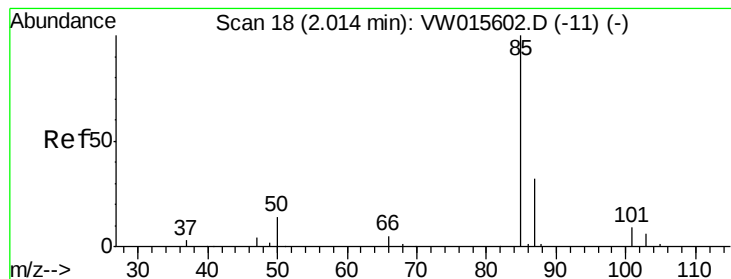
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061720\
 Data File : VW015614.D
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 Quant Title : VOC Analysis
 QLast Update : Wed Jun 17 12:08:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	44869	23.056	ug/L	96
25) Chloroform	7.68	83	182599	23.305	ug/L	99
27) 1,2-Dichloroethane	8.40	62	125322	23.644	ug/L	98
30) Cyclohexane	7.96	56	161887	21.241	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	161354	23.393	ug/L	99
32) Carbon tetrachloride	8.07	117	146046	23.085	ug/L	100
34) Benzene	8.32	78	397860	23.075	ug/L	100
35) Trichloroethene	9.09	95	105840	22.852	ug/L	99
36) Methylcyclohexane	9.34	83	179724	21.758	ug/L	99
40) 1,2-Dichloropropane	9.37	63	99028	23.322	ug/L	99
41) Bromodichloromethane	9.65	83	130528	23.011	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	154805	22.783	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	115420	46.373	ug/L	100
44) Toluene	10.39	91	435839	23.201	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	135259	22.875	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	70522	23.740	ug/L	96
47) Tetrachloroethene	10.87	164	81922	22.314	ug/L	93
49) 2-Hexanone	10.97	43	82028	48.826	ug/L	98
50) Dibromochloromethane	11.13	129	84223	23.336	ug/L	99
51) 1,2-Dibromoethane	11.24	107	67220	23.571	ug/L	97
52) Chlorobenzene	11.66	112	273587	23.219	ug/L	98
53) Ethylbenzene	11.73	91	502325	23.288	ug/L	100
54) m,p-Xylene	11.84	106	187688	23.189	ug/L	96
55) o-xylene	12.16	106	180349	23.474	ug/L	97
56) Styrene	12.18	104	312647	23.816	ug/L	98
57) Isopropylbenzene	12.46	105	511445	23.897	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	85065	24.735	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	63386	24.308	ug/L	100
62) Bromoform	12.35	173	46604	21.427	ug/L #	95
63) 1,3-Dichlorobenzene	13.50	146	214072	22.410	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	210148	22.452	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	193769	23.343	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	13521	21.471	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	151739	22.944	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	118288	22.207	ug/L	98
69) Naphthalene	15.37	128	216921	22.429	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	101308	22.356	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 23.912 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015614.D

Acq: 17 Jun 2020 09:52

Instrument :

MSVOA_W

ClientSampleId :

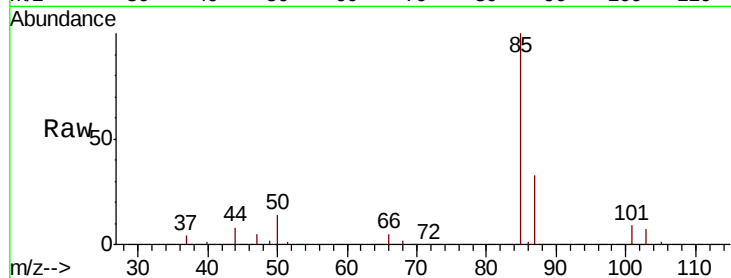
VSTD02510

Tot Ion: 85 Resp: 71516

Ion Ratio Lower Upper

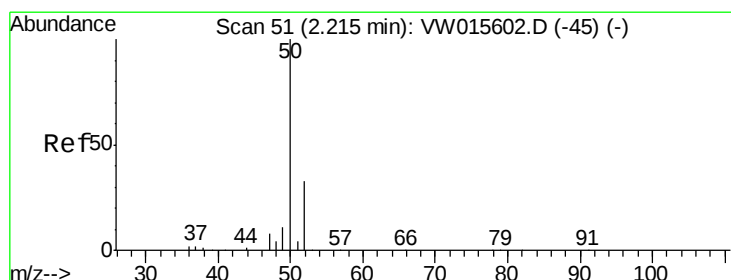
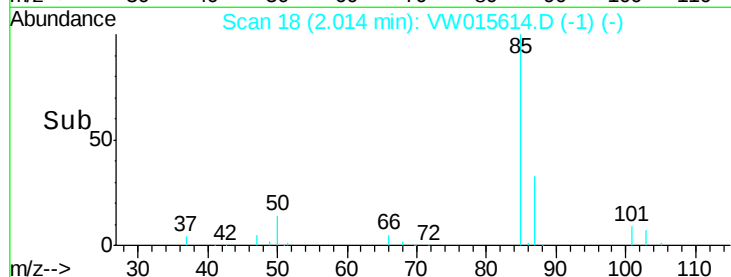
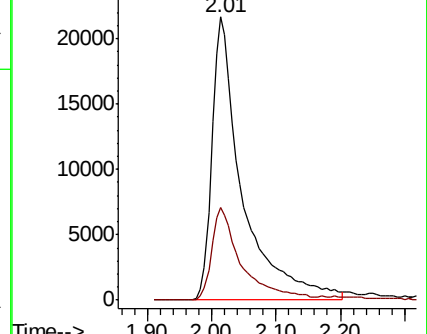
85 100

87 30.3 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: 21.684 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015614.D

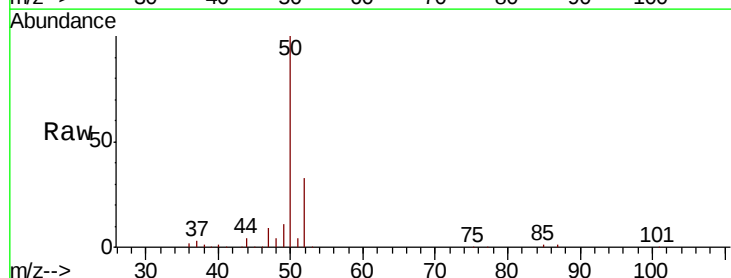
Acq: 17 Jun 2020 09:52

Tgt Ion: 50 Resp: 71391

Ion Ratio Lower Upper

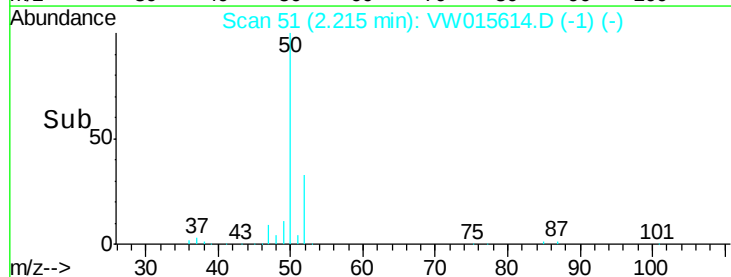
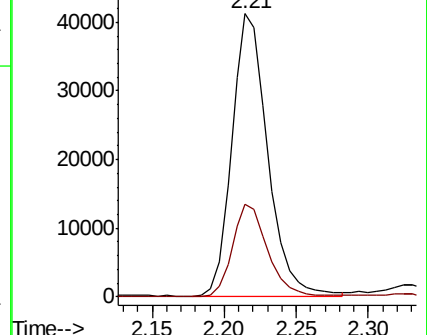
50 100

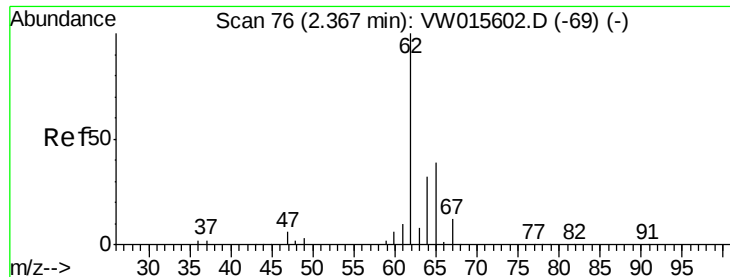
52 32.9 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 22.866 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015614.D

Acq: 17 Jun 2020 09:52

Instrument :

MSVOA_W

ClientSampleId :

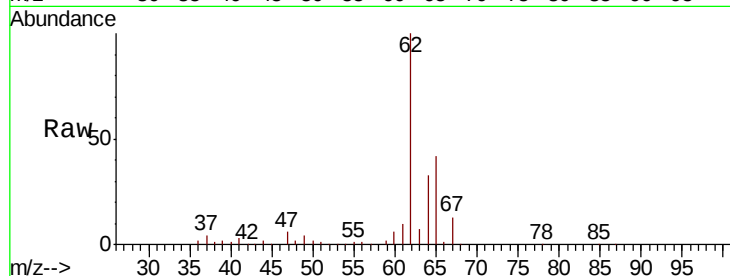
VSTD02510

Tot Ion: 62 Resp: 113217

Ion Ratio Lower Upper

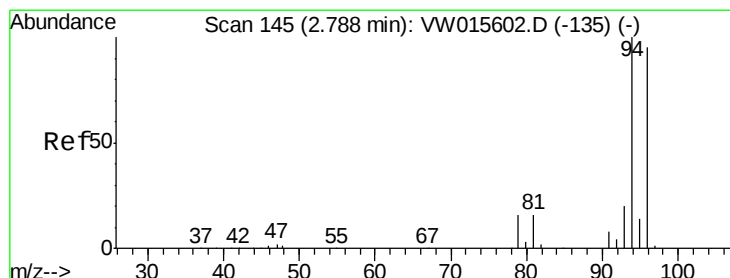
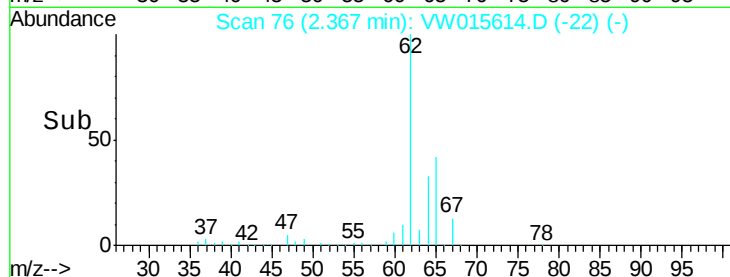
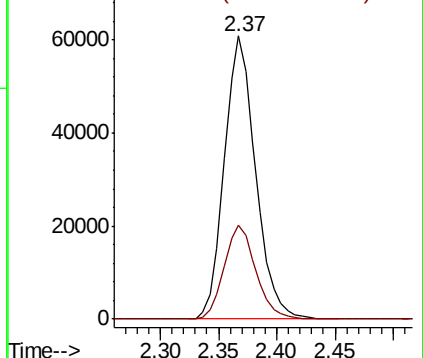
62 100

64 33.2 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 22.603 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW015614.D

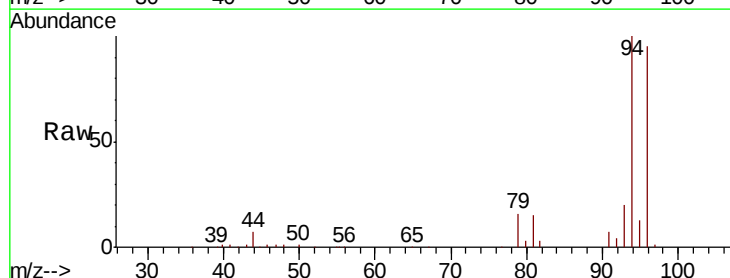
Acq: 17 Jun 2020 09:52

Tgt Ion: 94 Resp: 72738

Ion Ratio Lower Upper

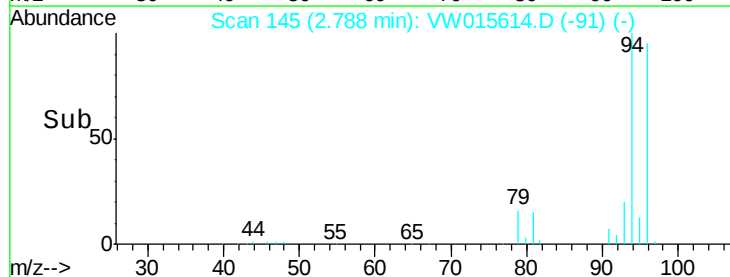
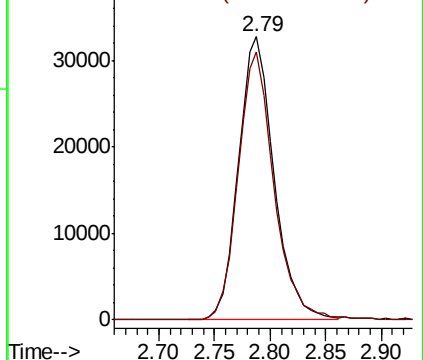
94 100

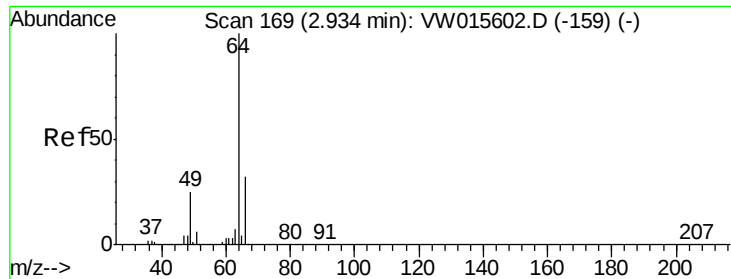
96 94.5 9.3 177.5



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 23.796 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015614.D

Acq: 17 Jun 2020 09:52

Instrument :

MSVOA_W

ClientSampleId :

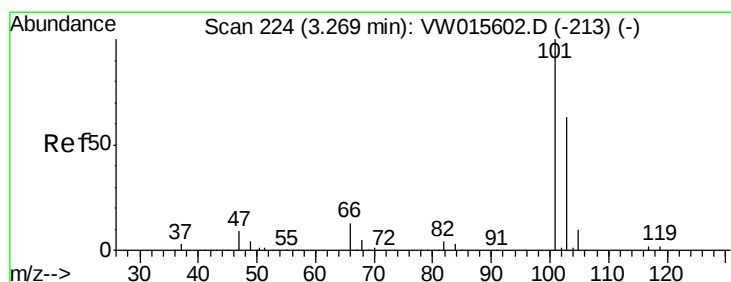
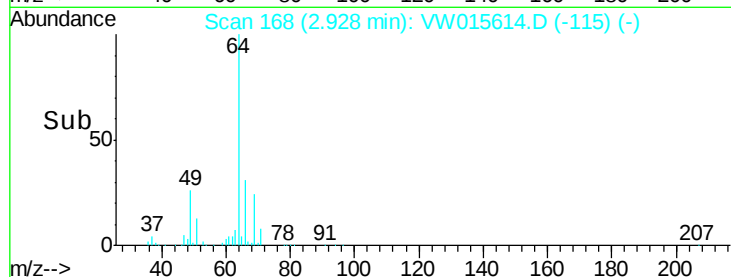
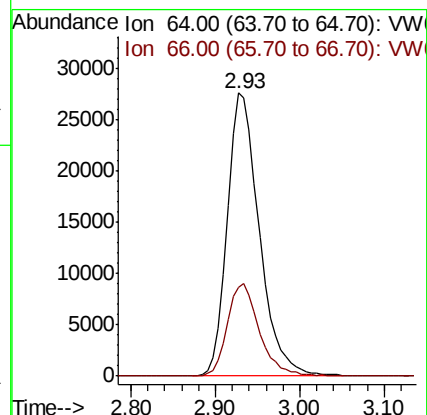
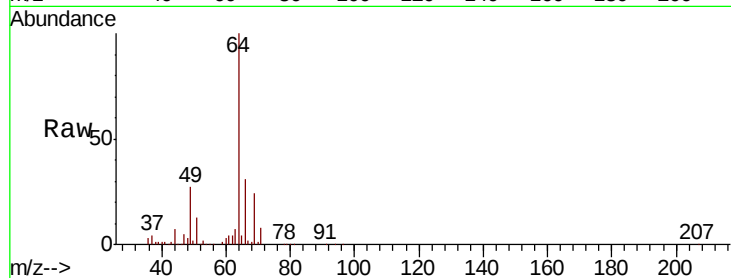
VSTD02510

Tot Ion: 64 Resp: 71720

Ion Ratio Lower Upper

64 100

66 31.3 22.0 40.8



#9

Trichlorofluoromethane

Concen: 25.325 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW015614.D

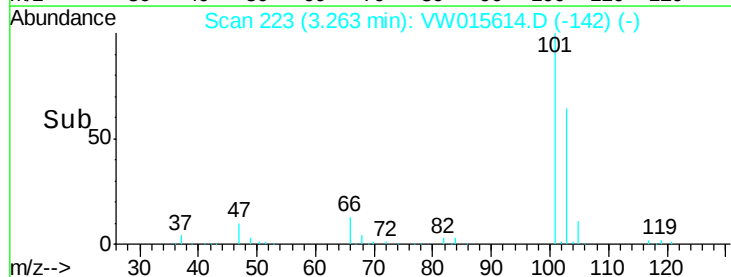
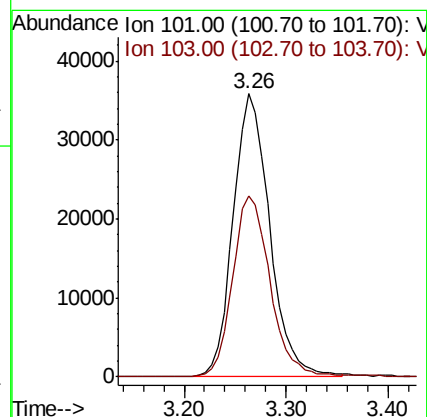
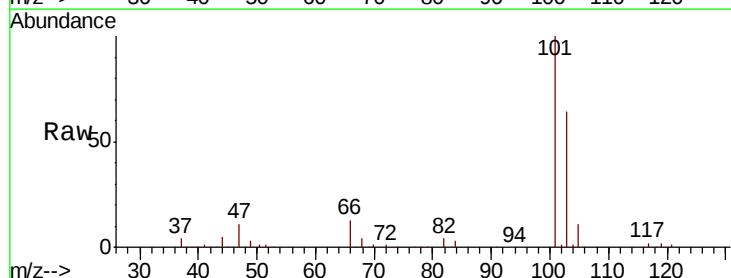
Acq: 17 Jun 2020 09:52

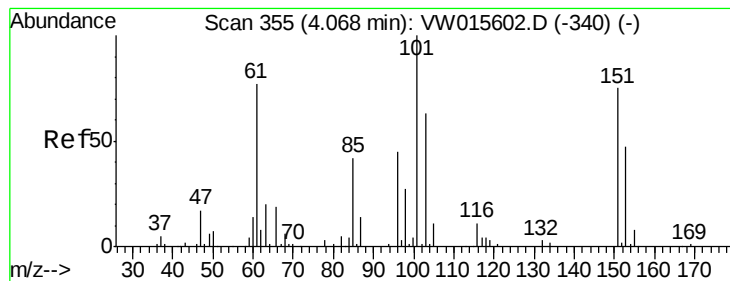
Tgt Ion: 101 Resp: 89233

Ion Ratio Lower Upper

101 100

103 65.2 46.6 86.6





#11

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

Concen: 22.457 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015614.D

Acq: 17 Jun 2020 09:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

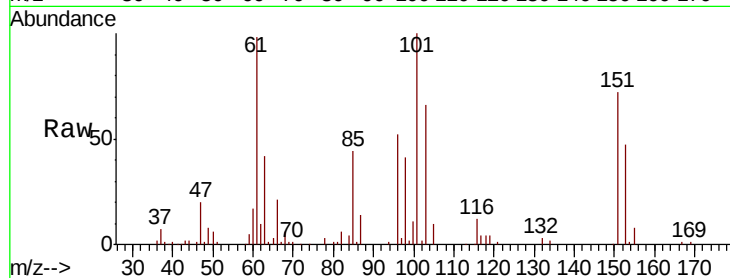
Tot Ion:101 Resp: 93850

Ion Ratio Lower Upper

101 100

85 44.5 35.1 52.7

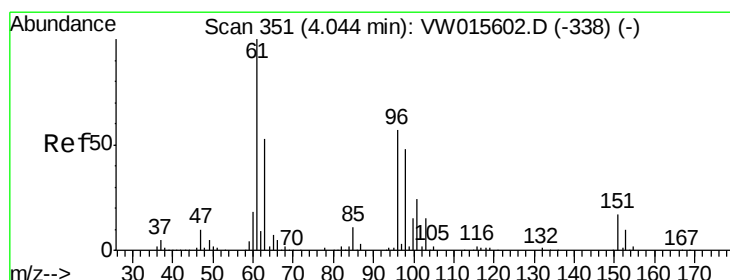
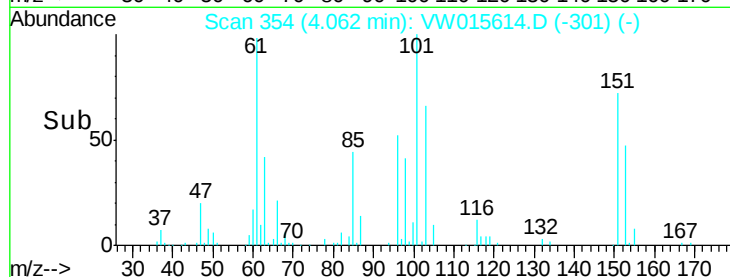
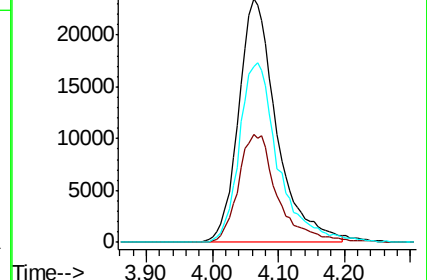
151 73.8 58.6 87.8



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: 22.413 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW015614.D

Acq: 17 Jun 2020 09:52

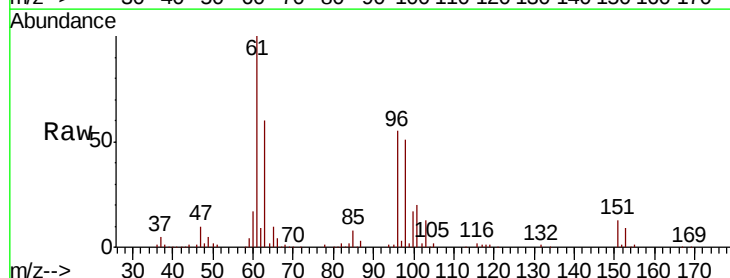
Tgt Ion: 96 Resp: 90476

Ion Ratio Lower Upper

96 100

61 181.3 127.7 237.1

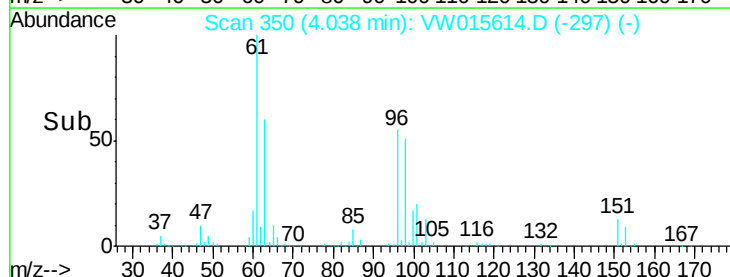
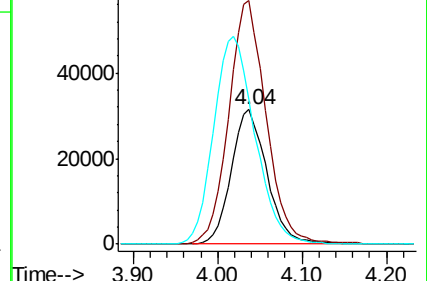
63 108.4 92.3 171.5

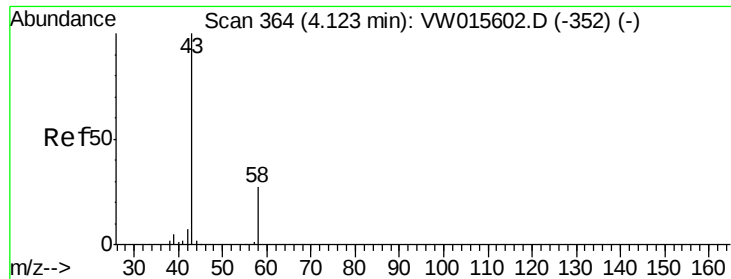


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 57.190 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW015614.D

Acq: 17 Jun 2020 09:52

Instrument :

MSVOA_W

ClientSampleId :

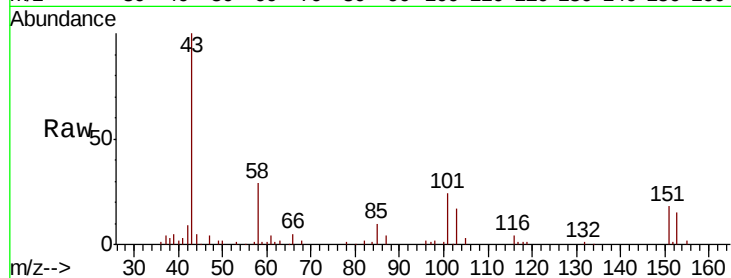
VSTD02510

Tot Ion: 43 Resp: 44782

Ion Ratio Lower Upper

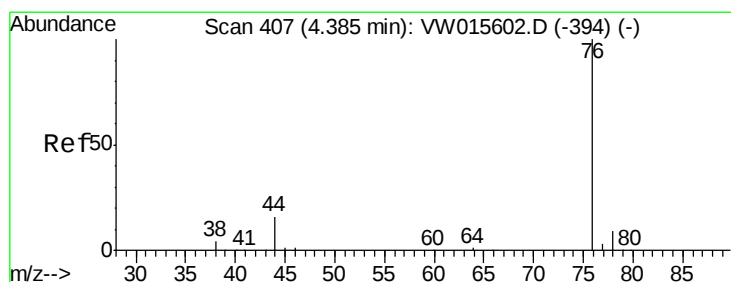
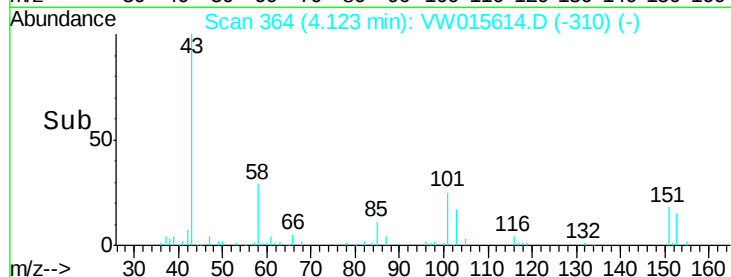
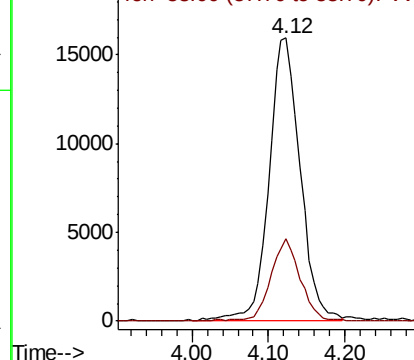
43 100

58 27.2 0.0 56.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 19.898 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015614.D

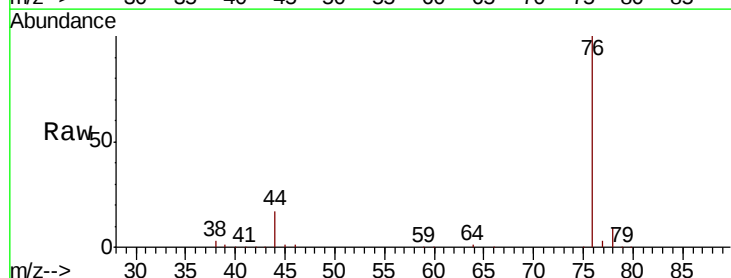
Acq: 17 Jun 2020 09:52

Tgt Ion: 76 Resp: 267972

Ion Ratio Lower Upper

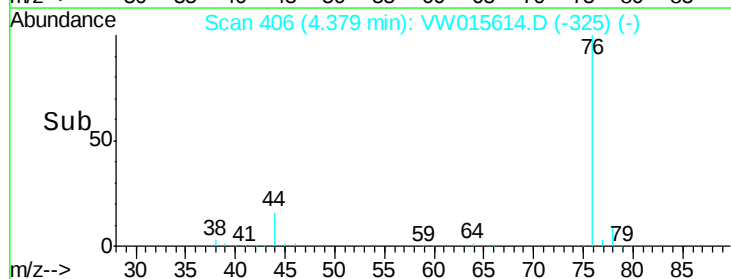
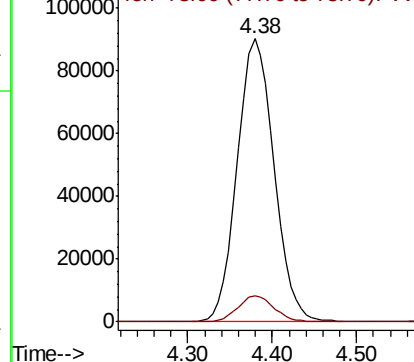
76 100

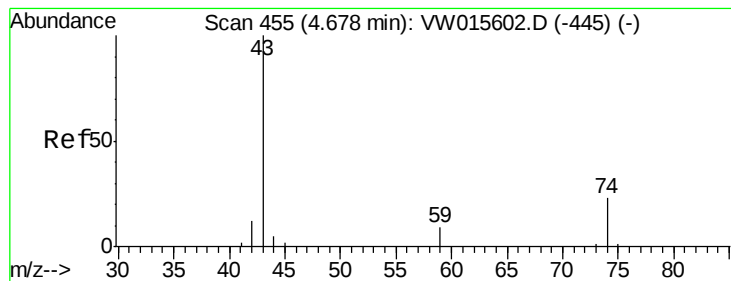
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methvl Acetate

Concen: 23.738 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015614.D

Acq: 17 Jun 2020 09:52

Instrument :

MSVOA_W

ClientSampled :

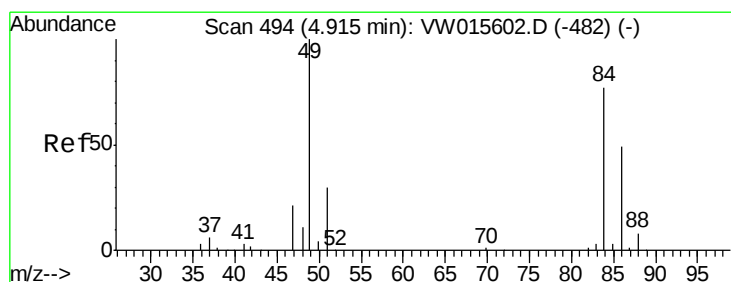
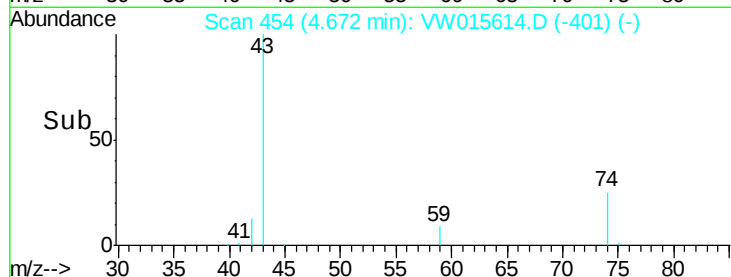
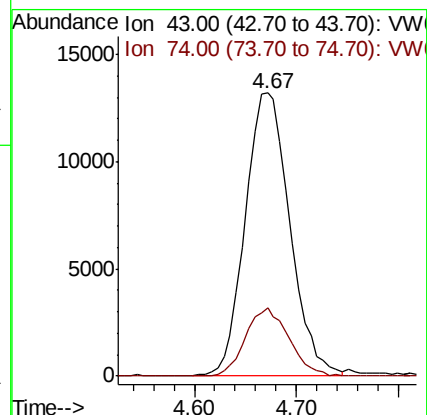
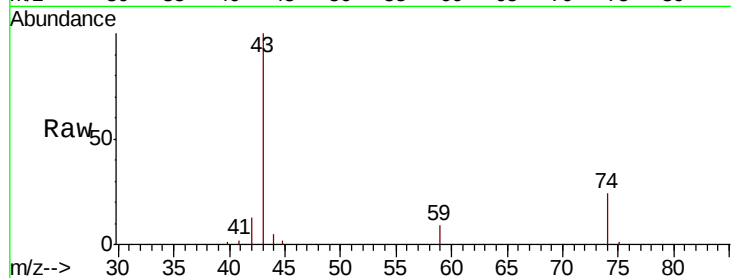
VSTD02510

Tot Ion: 43 Resp: 40214

Ion Ratio Lower Upper

43 100

74 23.2 18.2 27.2



#16

Methylene chloride

Concen: 23.000 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW015614.D

Acq: 17 Jun 2020 09:52

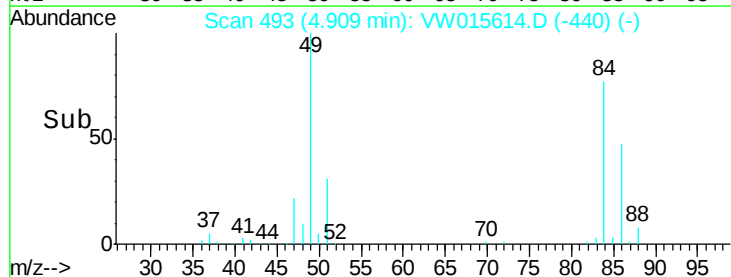
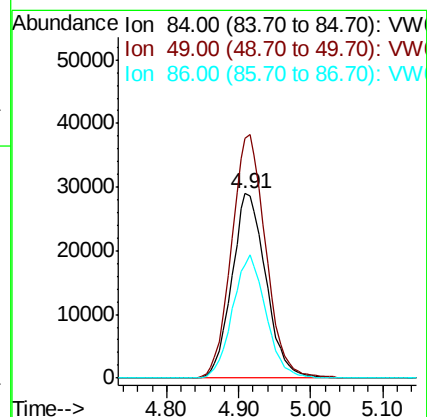
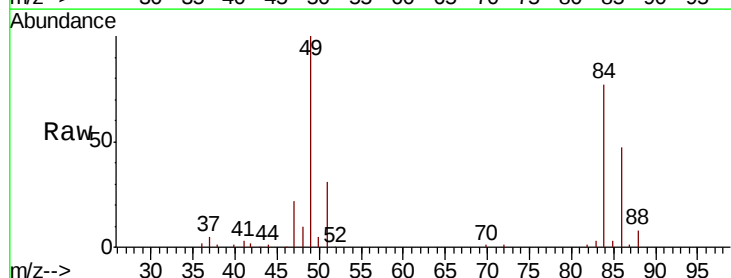
Tgt Ion: 84 Resp: 95563

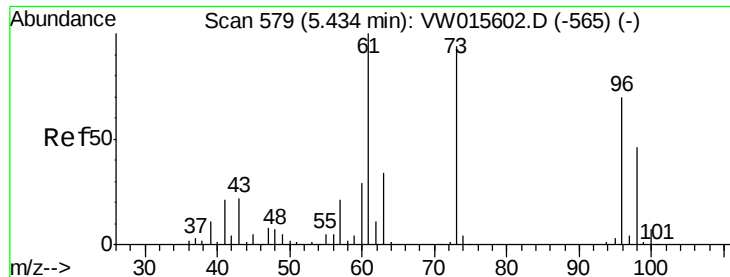
Ion Ratio Lower Upper

84 100

49 129.6 93.0 172.8

86 61.2 44.7 83.1

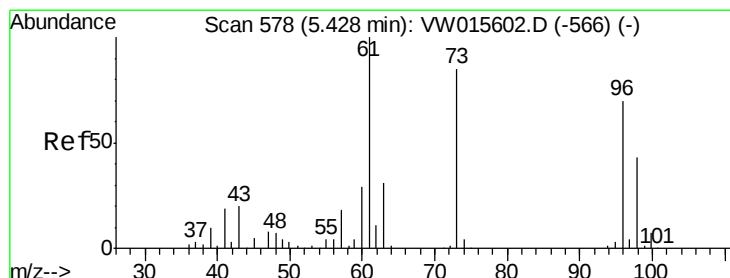
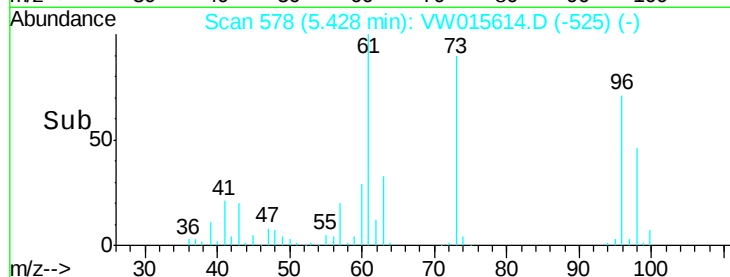
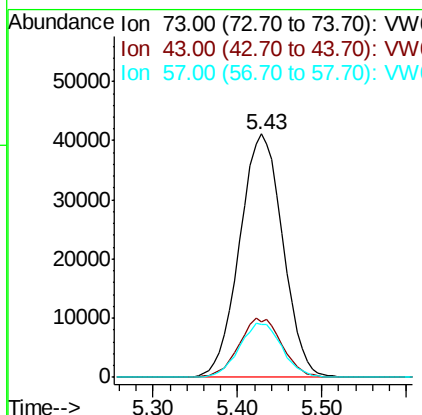
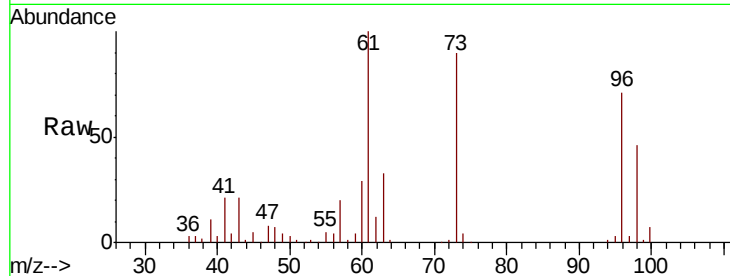




#17
Methvl tert-butvl Ether
Concen: 22.437 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW015614.D
Acq: 17 Jun 2020 09:52

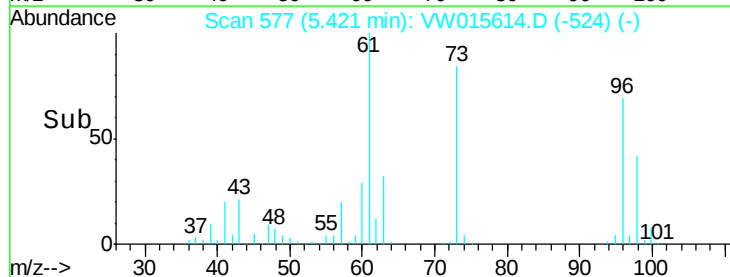
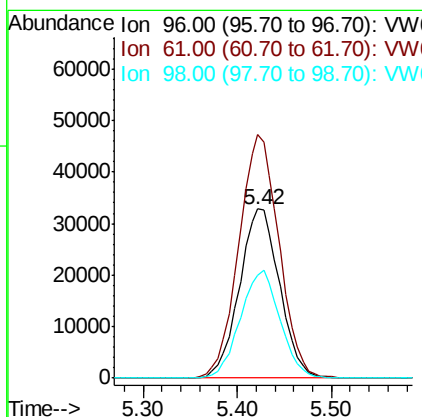
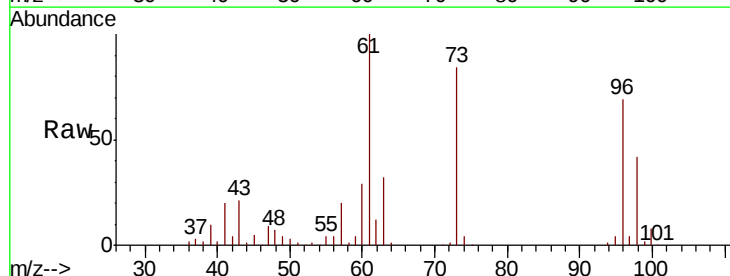
Instrument :
MSVOA_W
ClientSampled :
VSTD02510

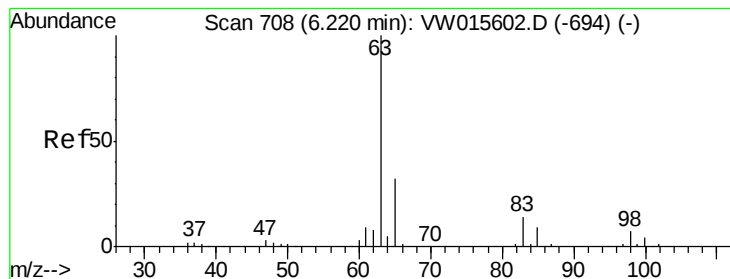
Tot Ion: 73 Resp: 143731
Ion Ratio Lower Upper
73 100
43 24.2 19.6 29.4
57 21.9 17.7 26.5



#18
trans-1,2-Dichloroethene
Concen: 22.632 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015614.D
Acq: 17 Jun 2020 09:52

Tgt Ion: 96 Resp: 97911
Ion Ratio Lower Upper
96 100
61 144.1 101.9 189.3
98 60.7 44.9 83.5





#19

1,1-Dichloroethane

Concen: 23.163 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015614.D

Acq: 17 Jun 2020 09:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

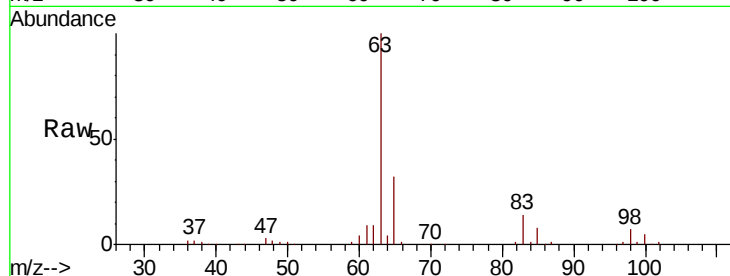
Tot Ion: 63 Resp: 180240

Ion Ratio Lower Upper

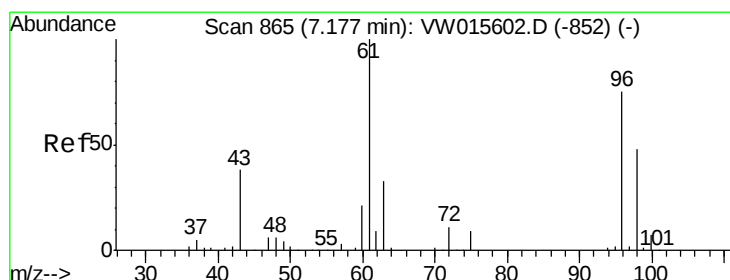
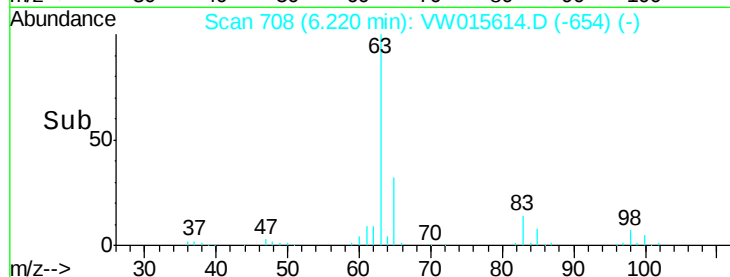
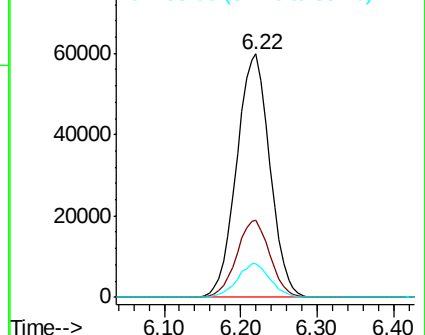
63 100

65 31.7 22.1 41.1

83 13.8 9.7 17.9



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



#21

2-Butanone

Concen: 45.970 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW015614.D

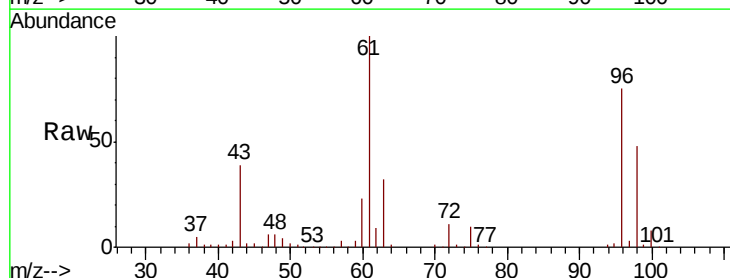
Acq: 17 Jun 2020 09:52

Tgt Ion: 43 Resp: 55297

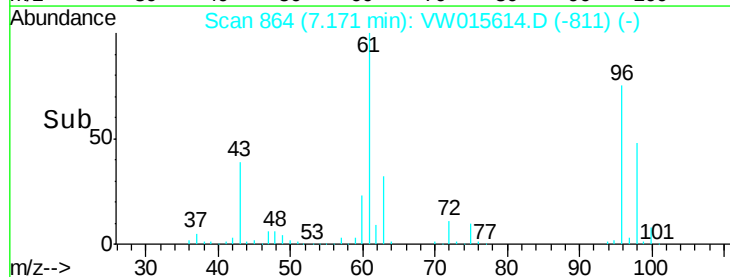
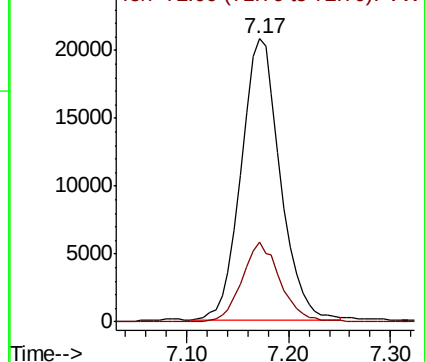
Ion Ratio Lower Upper

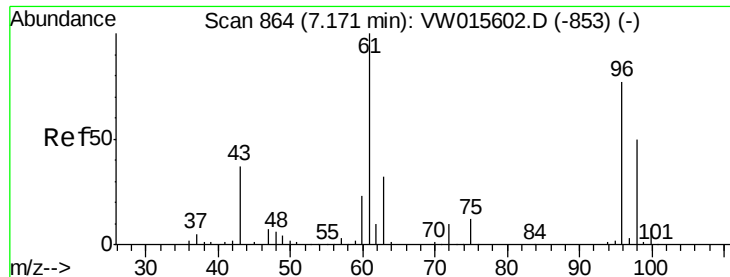
43 100

72 27.3 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



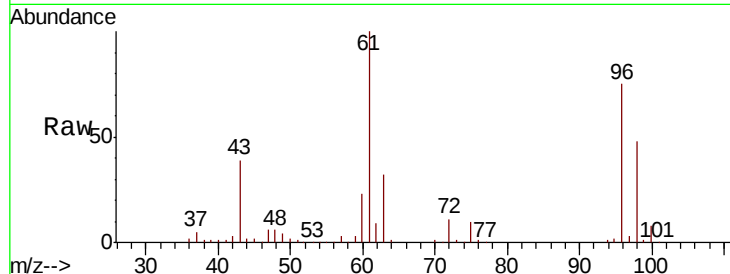


#22

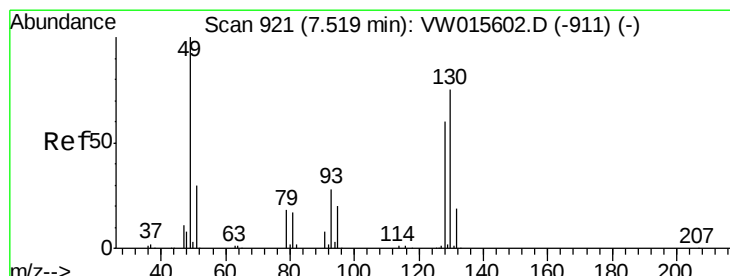
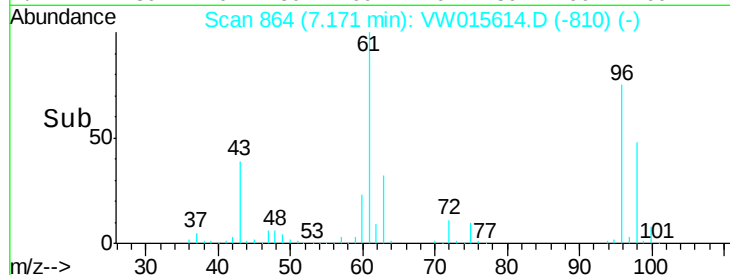
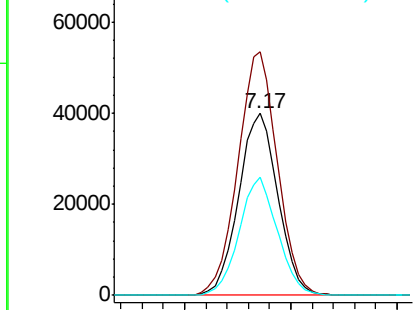
cis-1,2-Dichloroethene
 Concen: 22.957 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015614.D
 Acq: 17 Jun 2020 09:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tot Ion: 96 Resp: 103604
 Ion Ratio Lower Upper
 96 100
 61 134.0 93.7 173.9
 98 64.9 45.1 83.9



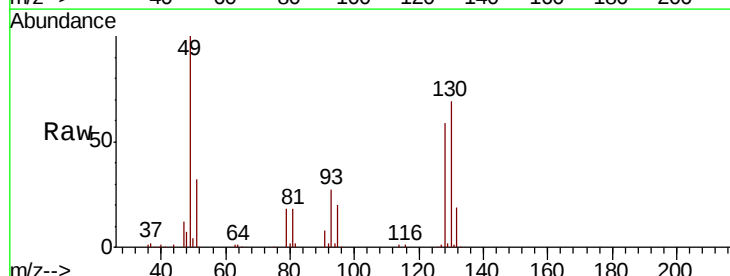
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



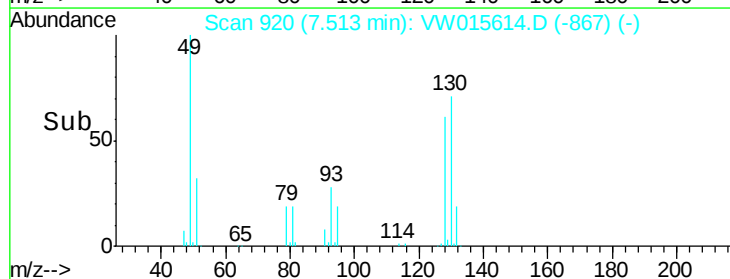
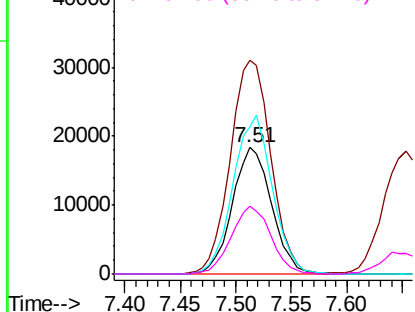
#23

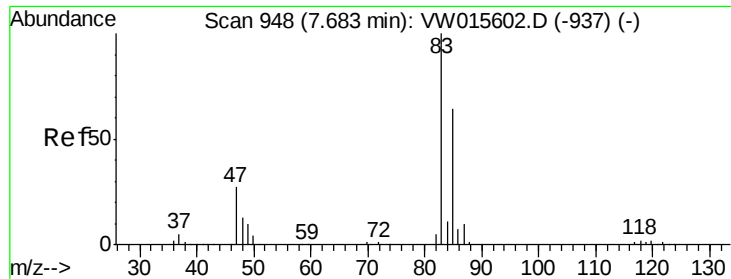
Bromochloromethane
 Concen: 23.056 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW015614.D
 Acq: 17 Jun 2020 09:52

Tgt Ion: 128 Resp: 44869
 Ion Ratio Lower Upper
 128 100
 49 169.2 118.1 219.3
 130 116.2 88.5 164.3
 51 54.0 42.8 64.2



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

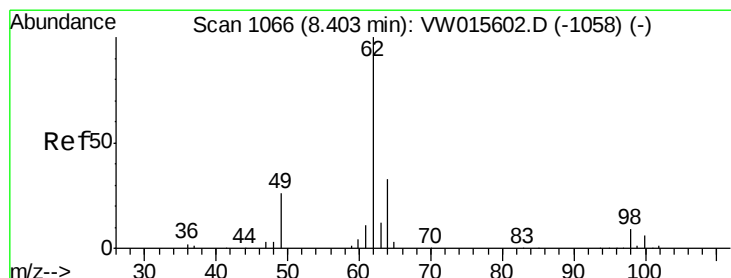
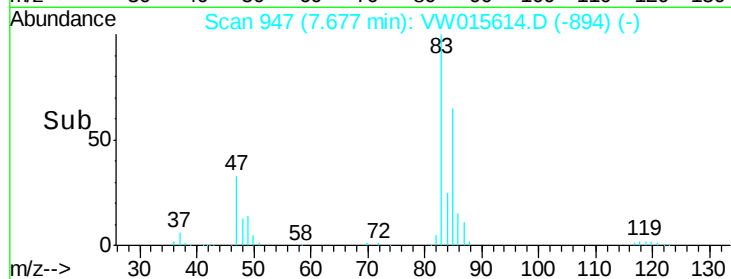
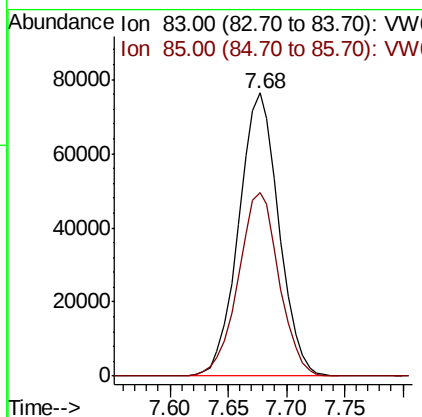
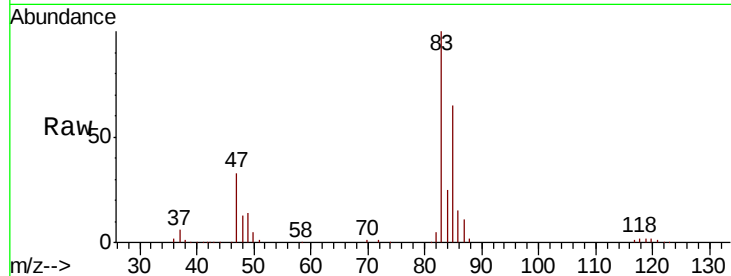




#25
Chloroform
Concen: 23.305 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW015614.D
Acq: 17 Jun 2020 09:52

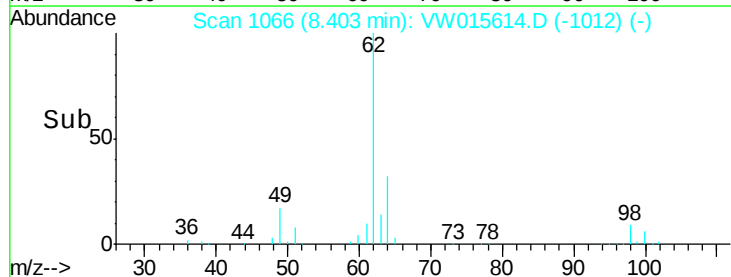
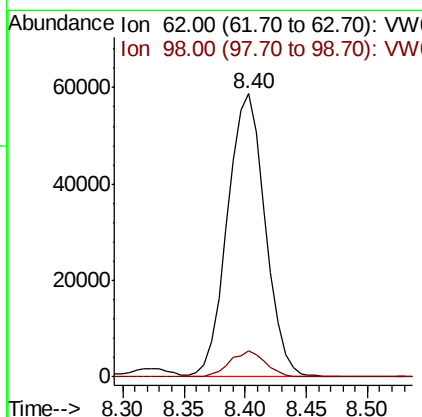
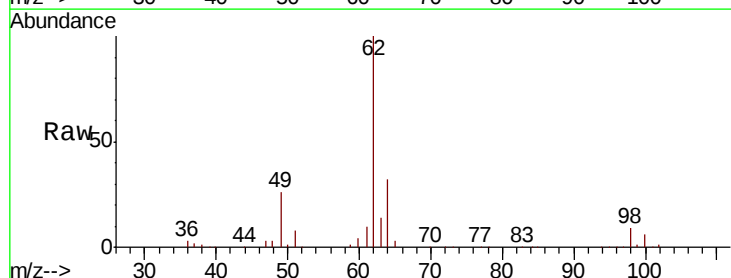
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

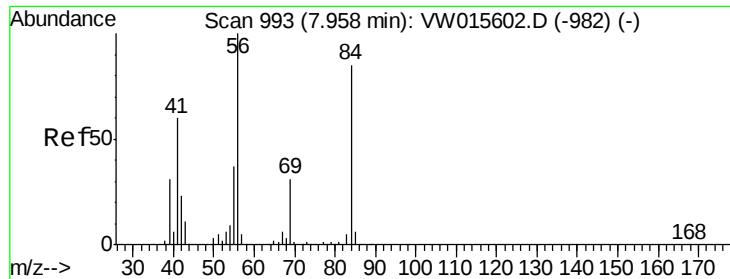
Tot Ion: 83 Resp: 182599
Ion Ratio Lower Upper
83 100
85 66.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 23.644 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015614.D
Acq: 17 Jun 2020 09:52

Tgt Ion: 62 Resp: 125322
Ion Ratio Lower Upper
62 100
98 9.3 7.0 10.4

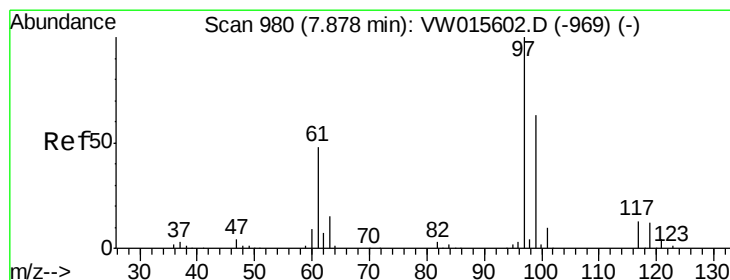
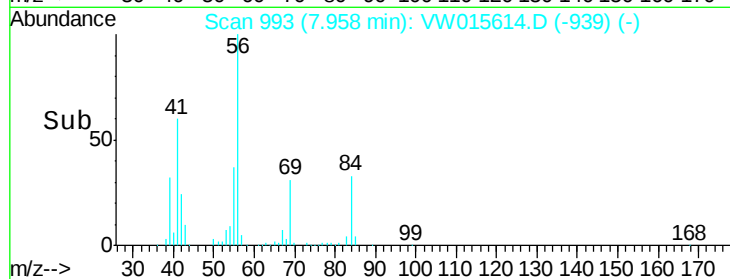
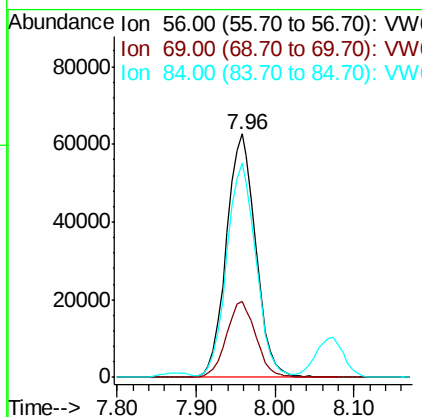
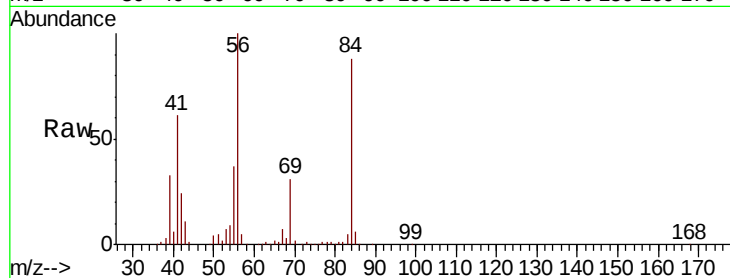




#30
Cyclohexane
Concen: 21.241 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015614.D
Acq: 17 Jun 2020 09:52

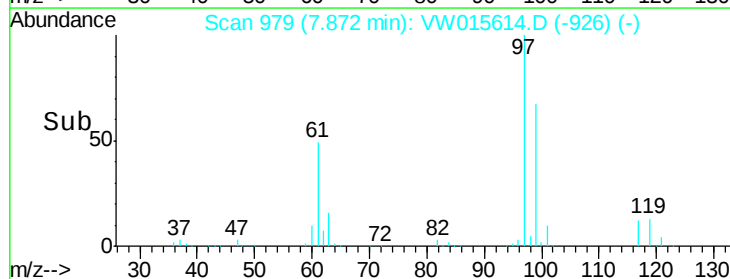
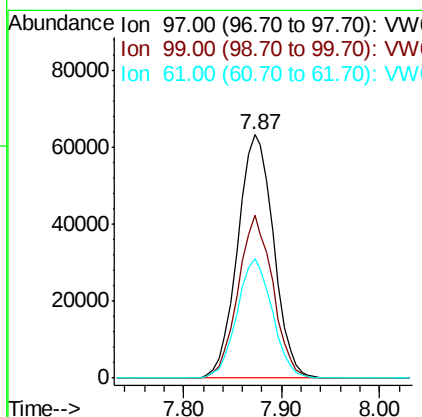
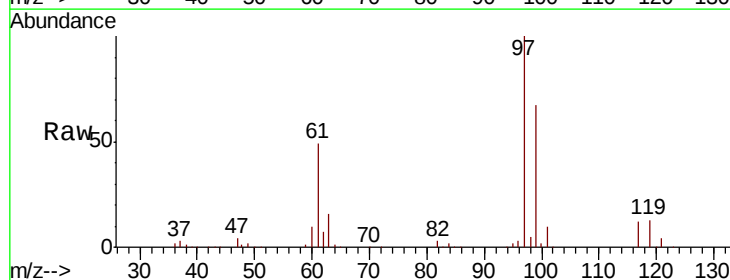
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

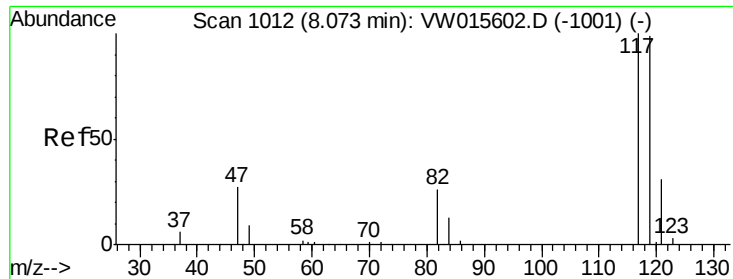
Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.6	37.0
84	88.0	69.6	104.4



#31
1,1,1-Trichloroethane
Concen: 23.393 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW015614.D
Acq: 17 Jun 2020 09:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.0
61	48.0	38.1	57.1





#32

Carbon tetrachloride

Concen: 23.085 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW015614.D

Acq: 17 Jun 2020 09:52

Instrument :

MSVOA_W

ClientSampleId :

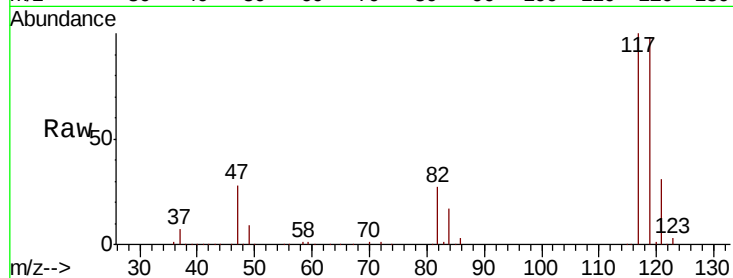
VSTD02510

Tot Ion:117 Resp: 146046

Ion Ratio Lower Upper

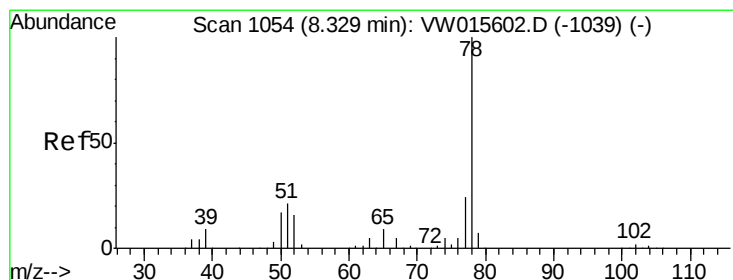
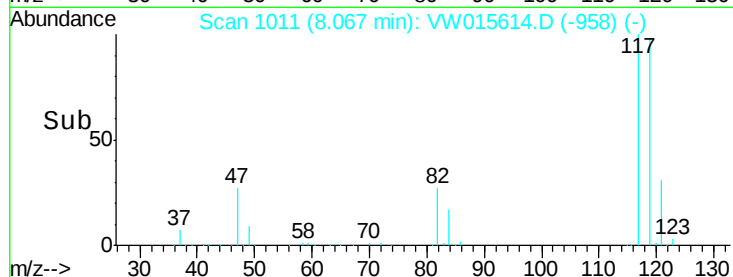
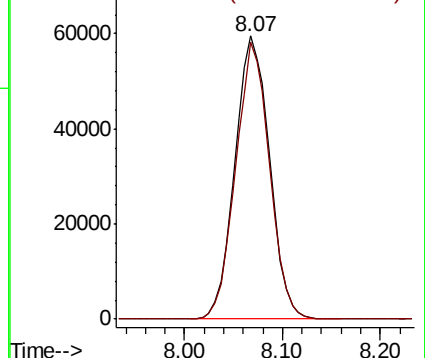
117 100

119 95.6 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: 23.075 ug/L

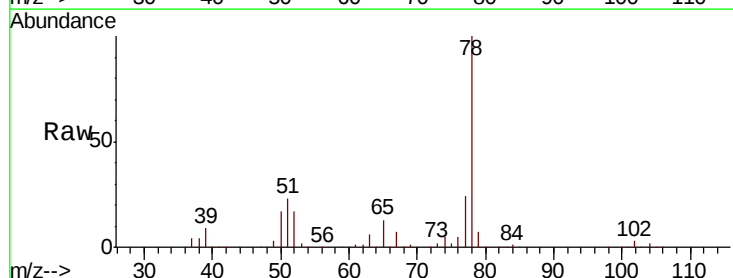
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

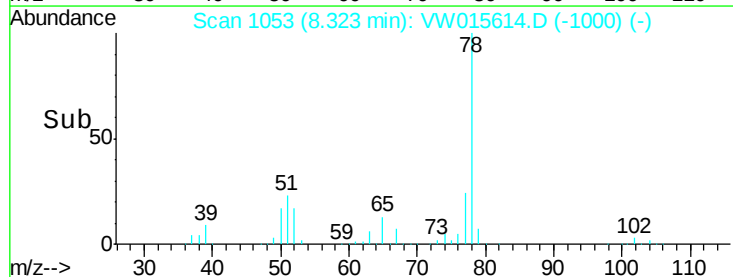
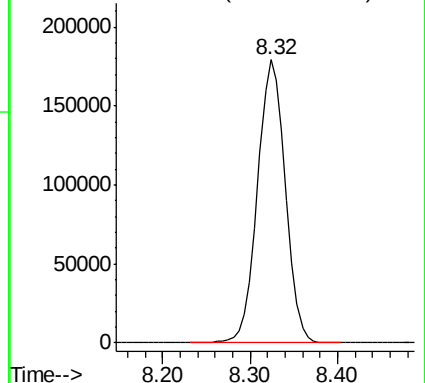
Lab File: VW015614.D

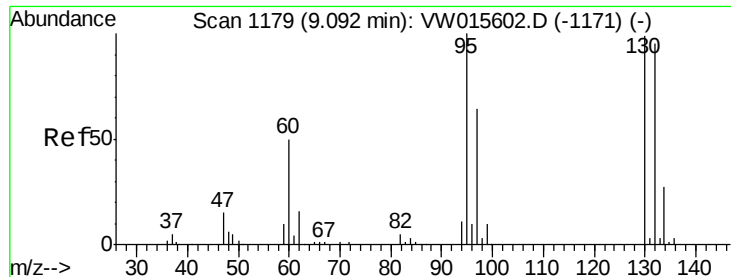
Acq: 17 Jun 2020 09:52

Tgt Ion: 78 Resp: 397860



Abundance Ion 78.00 (77.70 to 78.70): VW

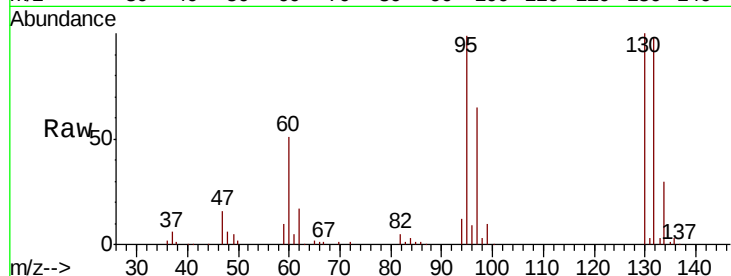




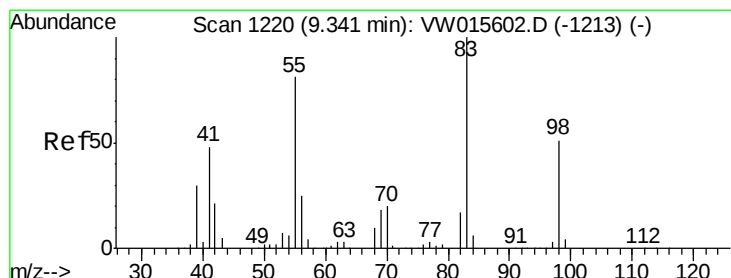
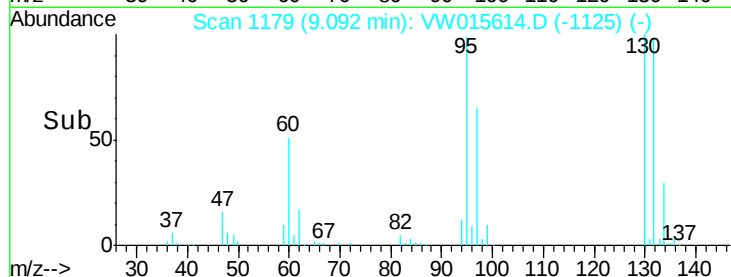
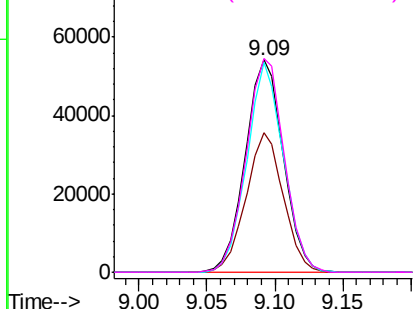
#35
 Trichloroethene
 Concen: 22.852 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015614.D
 Acq: 17 Jun 2020 09:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tot Ion: 95 Resp: 105840
 Ion Ratio Lower Upper
 95 100
 97 64.5 45.4 84.2
 132 95.2 67.1 124.7
 130 101.1 69.4 128.8

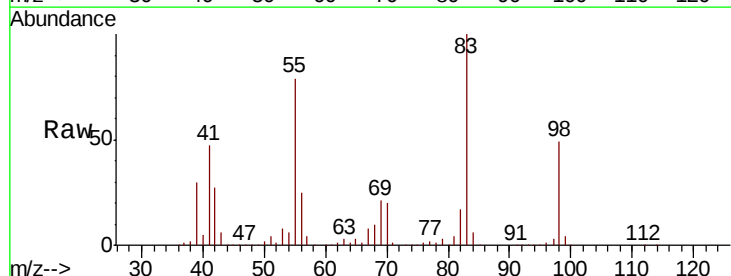


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

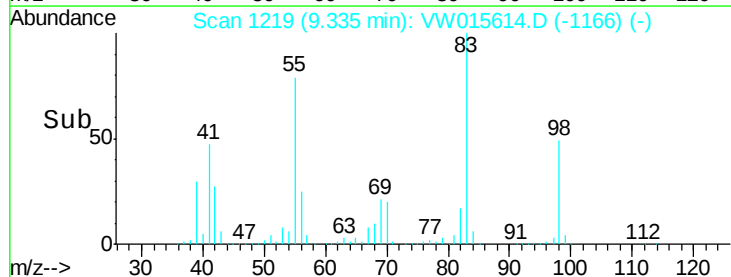
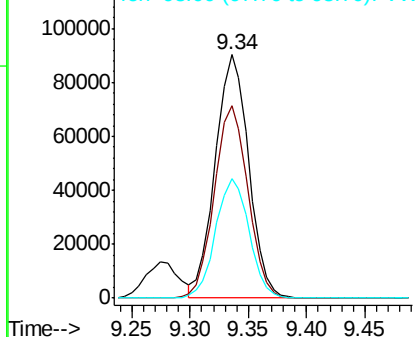


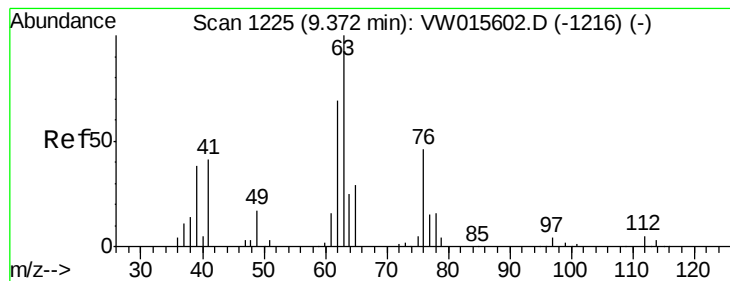
#36
 Methylcyclohexane
 Concen: 21.758 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VW015614.D
 Acq: 17 Jun 2020 09:52

Tgt Ion: 83 Resp: 179724
 Ion Ratio Lower Upper
 83 100
 55 79.1 62.8 94.2
 98 49.2 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: 23.322 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW015614.D

Acq: 17 Jun 2020 09:52

Instrument :

MSVOA_W

ClientSampleId :

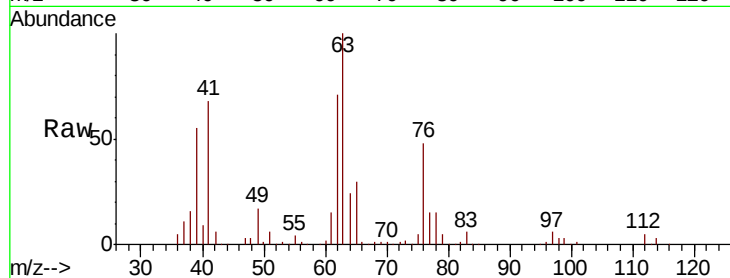
VSTD02510

Tot Ion: 63 Resp: 99028

Ion Ratio Lower Upper

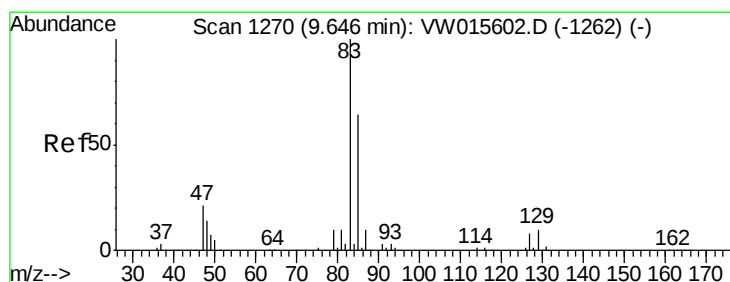
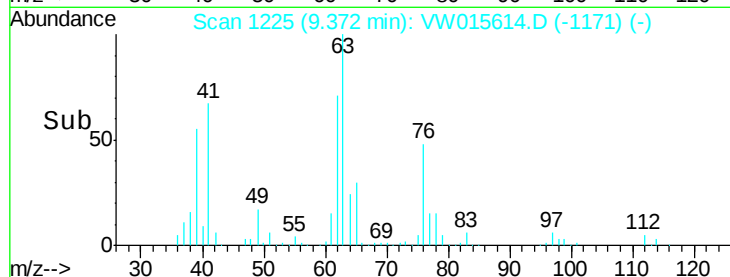
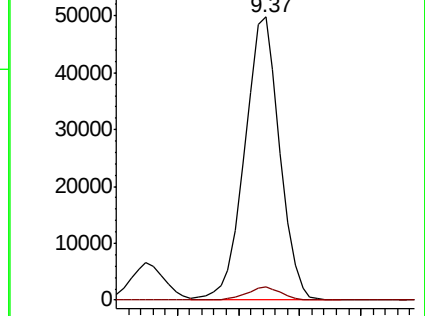
63 100

112 4.6 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 23.011 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015614.D

Acq: 17 Jun 2020 09:52

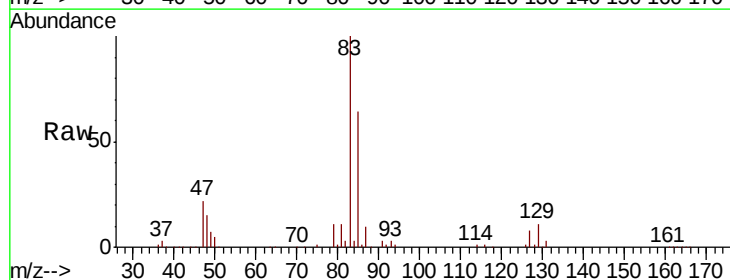
Tgt Ion: 83 Resp: 130528

Ion Ratio Lower Upper

83 100

85 64.4 44.8 83.2

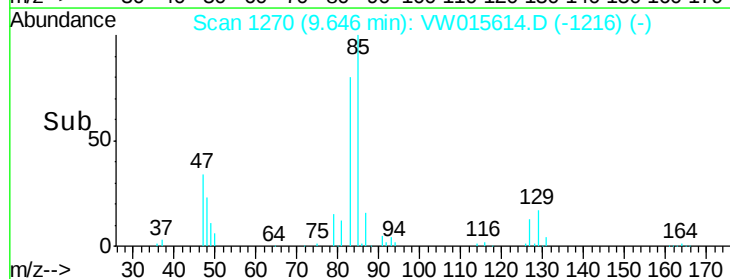
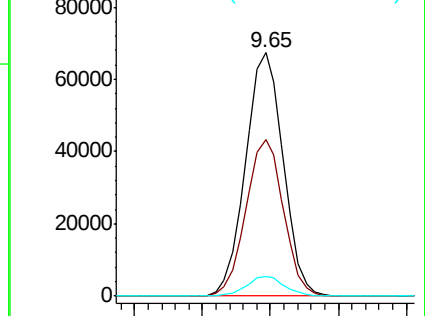
127 8.2 7.0 10.6

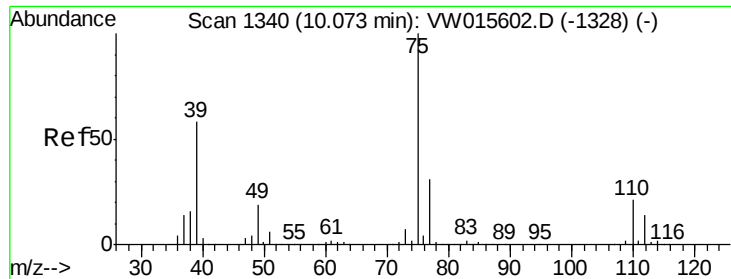


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

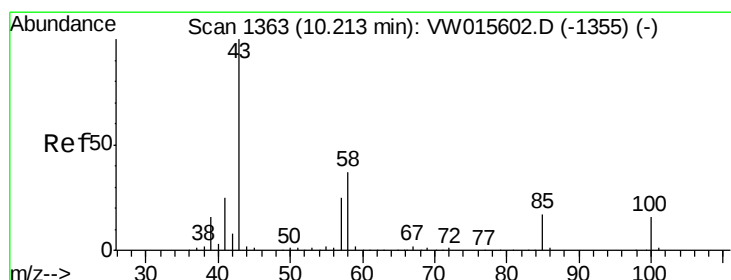
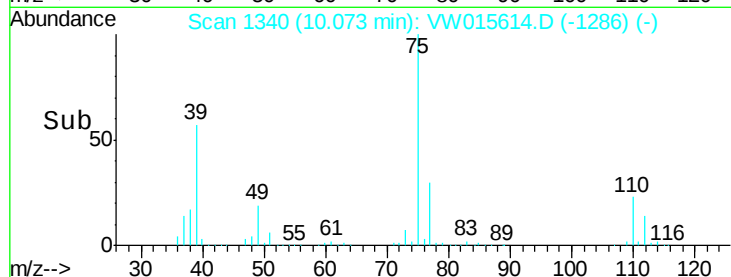
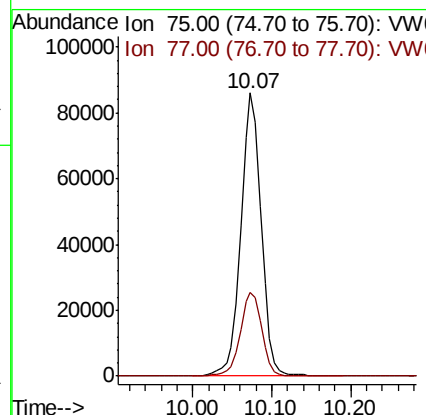
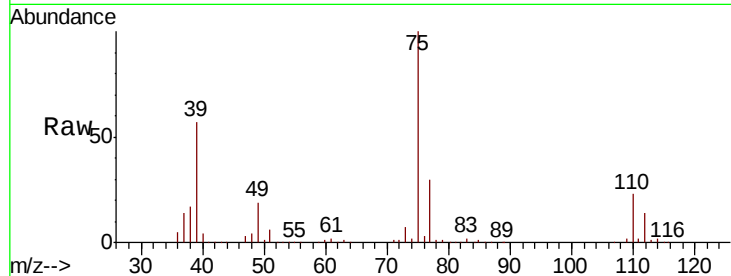




#42
 cis-1,3-Dichloropropene
 Concen: 22.783 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015614.D
 Acq: 17 Jun 2020 09:52

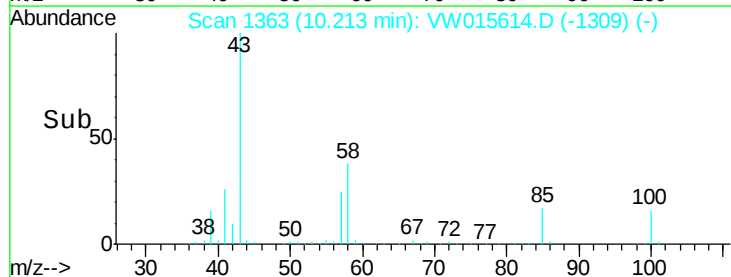
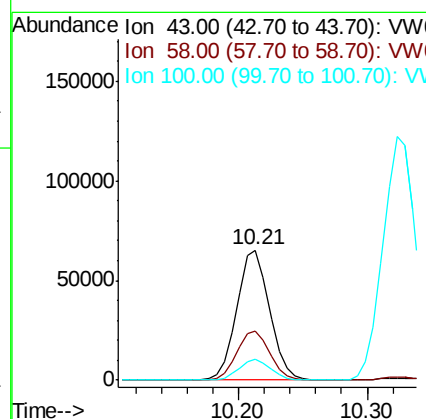
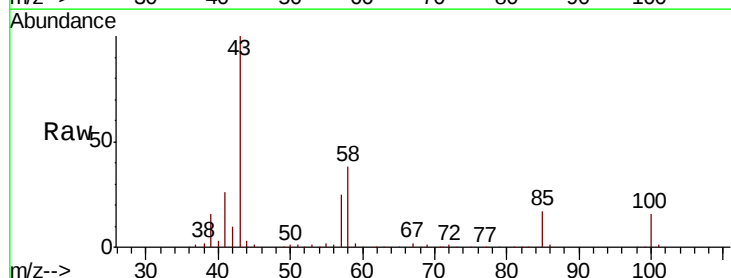
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

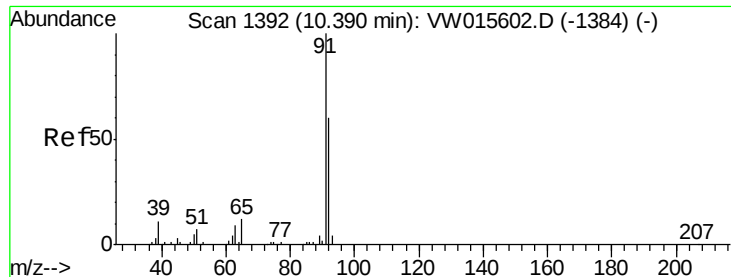
Tot Ion: 75 Resp: 154805
 Ion Ratio Lower Upper
 75 100
 77 29.5 22.3 41.5



#43
 4-Methyl-2-pentanone
 Concen: 46.373 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW015614.D
 Acq: 17 Jun 2020 09:52

Tgt Ion: 43 Resp: 115420
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.6 46.0
 100 15.5 12.5 18.7





#44

Toluene

Concen: 23.201 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015614.D

Acq: 17 Jun 2020 09:52

Instrument :

MSVOA_W

ClientSampleId :

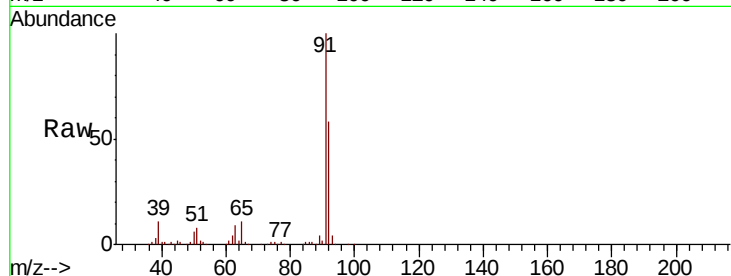
VSTD02510

Tot Ion: 91 Resp: 435839

Ion Ratio Lower Upper

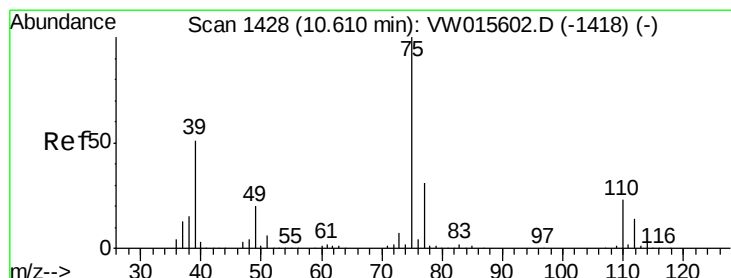
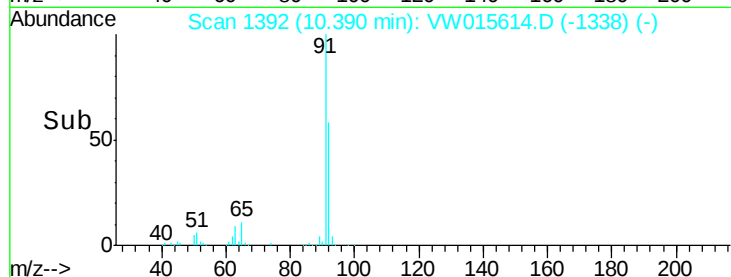
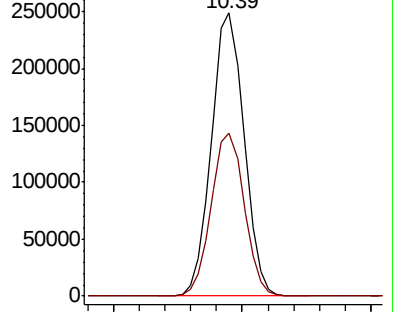
91 100

92 57.7 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 22.875 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW015614.D

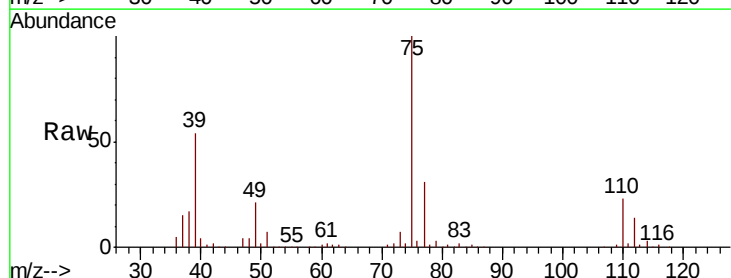
Acq: 17 Jun 2020 09:52

Tgt Ion: 75 Resp: 135259

Ion Ratio Lower Upper

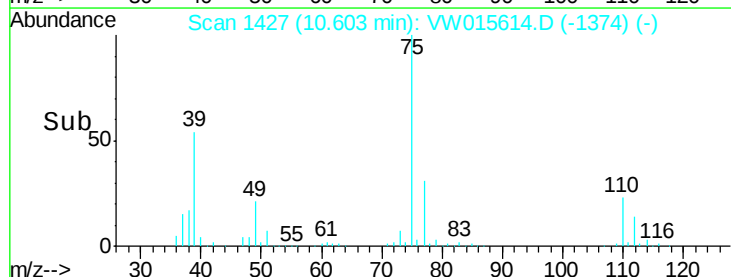
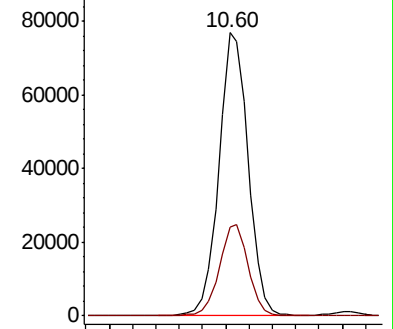
75 100

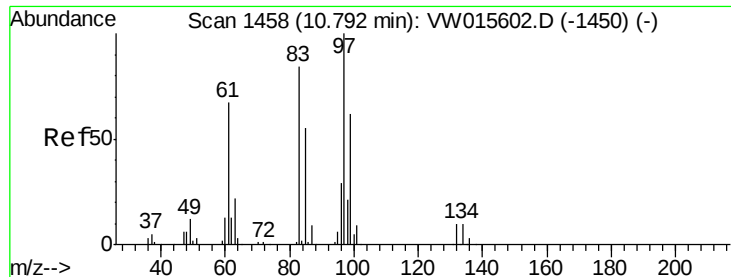
77 31.4 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



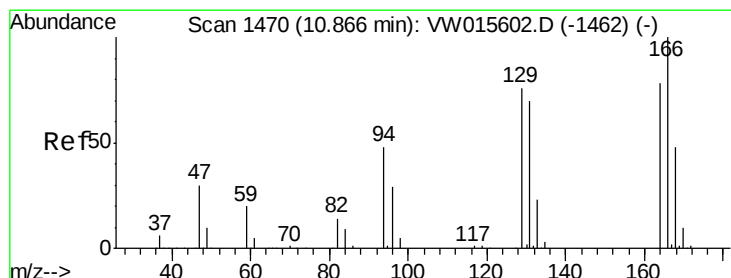
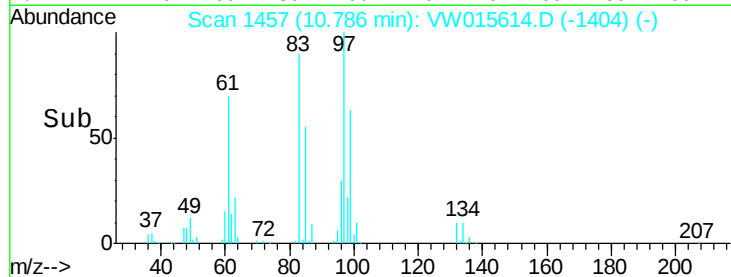
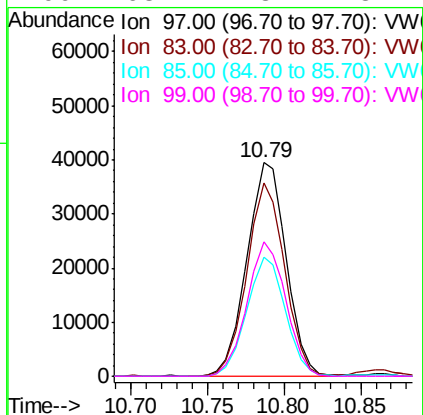
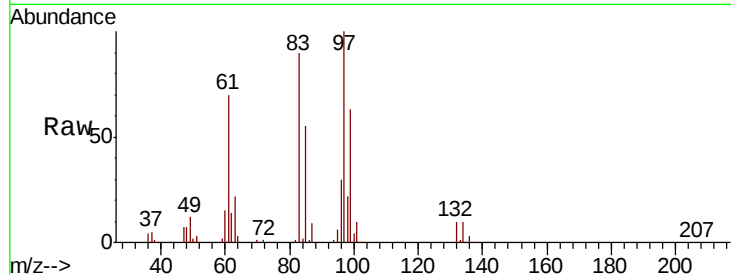


#46
1,1,2-Trichloroethane
Concen: 23.740 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.01 min
Lab File: VW015614.D
Acq: 17 Jun 2020 09:52

Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

Tot Ion: 97 Resp: 70522

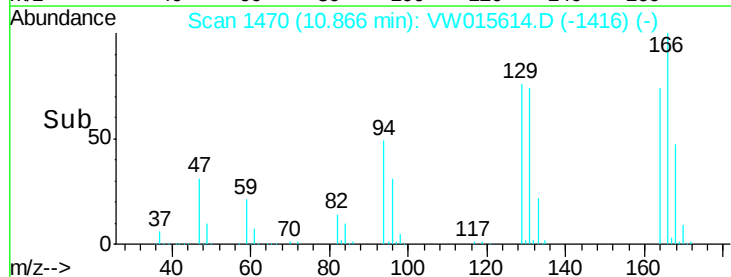
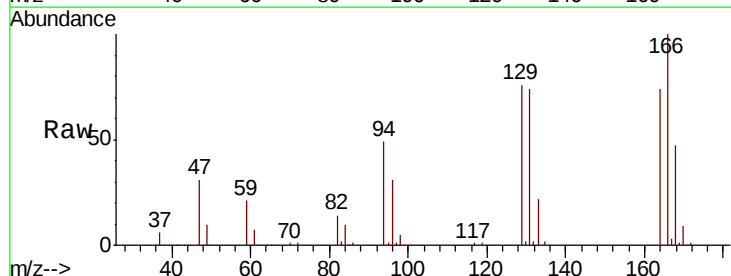
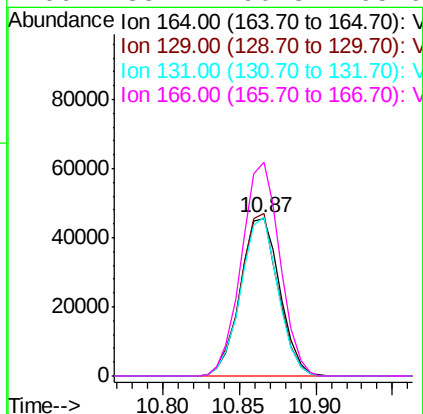
Ion	Ratio	Lower	Upper
97	100		
83	90.3	58.2	108.2
85	55.4	37.4	69.4
99	63.2	43.7	81.1

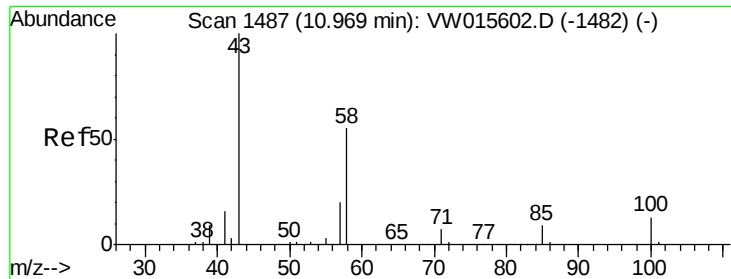


#47
Tetrachloroethene
Concen: 22.314 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW015614.D
Acq: 17 Jun 2020 09:52

Tgt Ion: 164 Resp: 81922

Ion	Ratio	Lower	Upper
164	100		
129	102.8	66.3	123.1
131	100.3	65.1	120.9
166	135.1	90.8	168.6





#49

2-Hexanone

Concen: 48.826 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015614.D

Acq: 17 Jun 2020 09:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

Tot Ion: 43 Resp: 82028

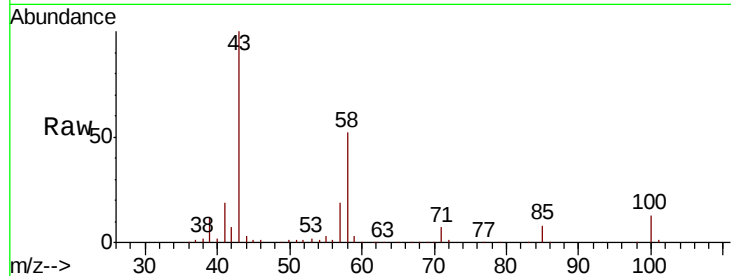
Ion Ratio Lower Upper

43 100

58 51.7 42.6 64.0

57 18.6 15.5 23.3

100 12.5 10.3 15.5

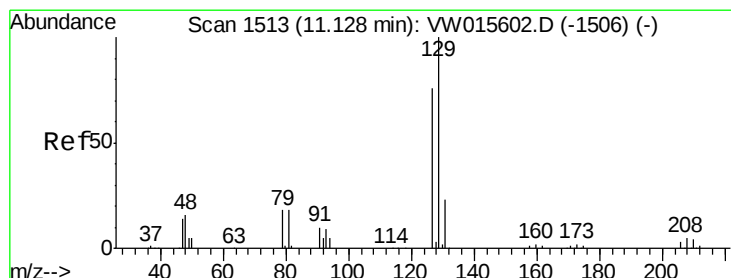
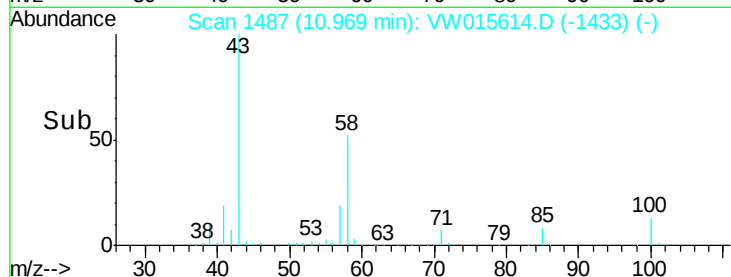
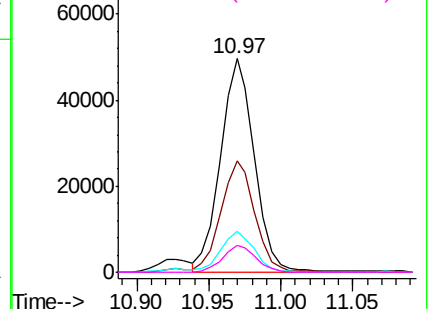


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 23.336 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW015614.D

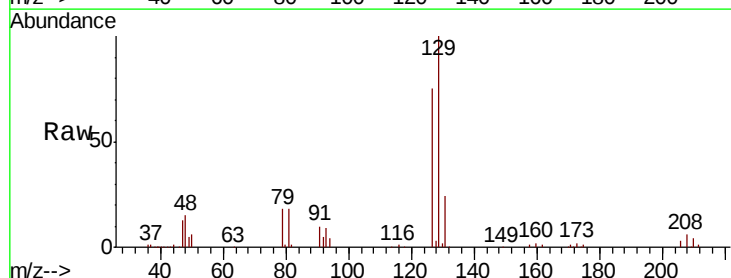
Acq: 17 Jun 2020 09:52

Tgt Ion: 129 Resp: 84223

Ion Ratio Lower Upper

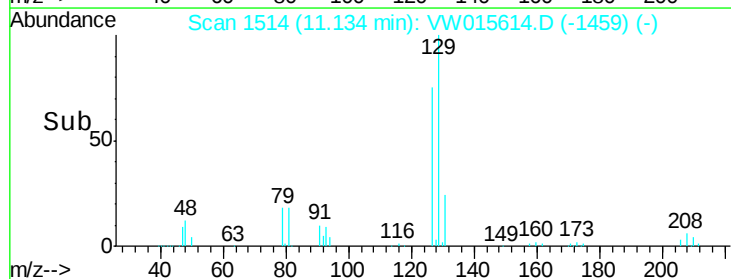
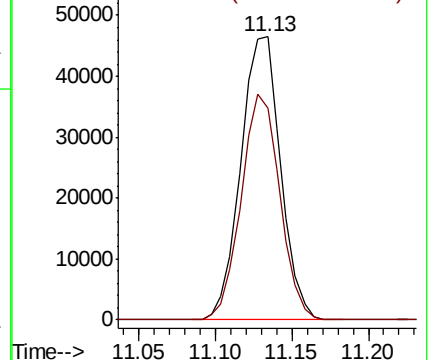
129 100

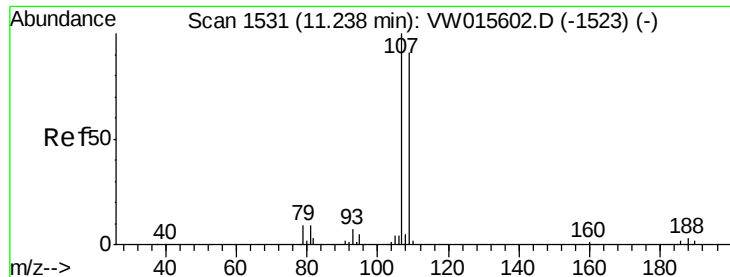
127 74.6 53.0 98.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

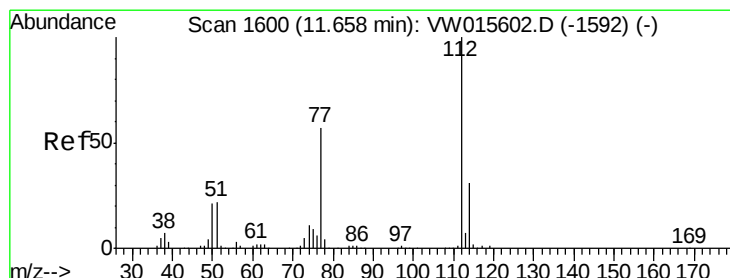
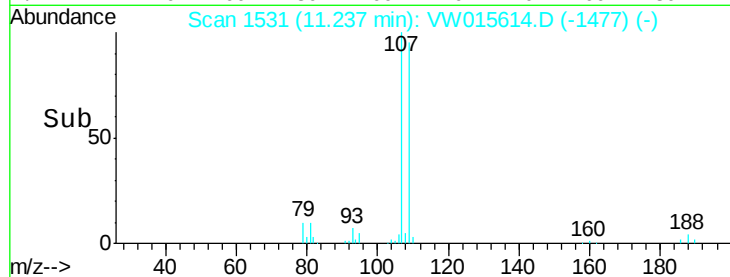
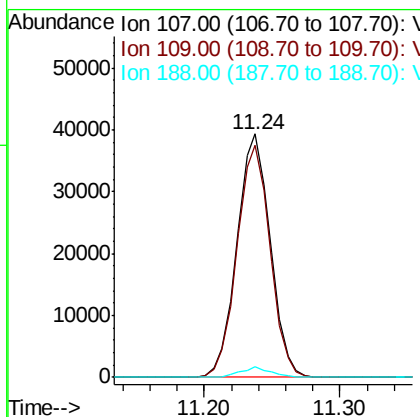
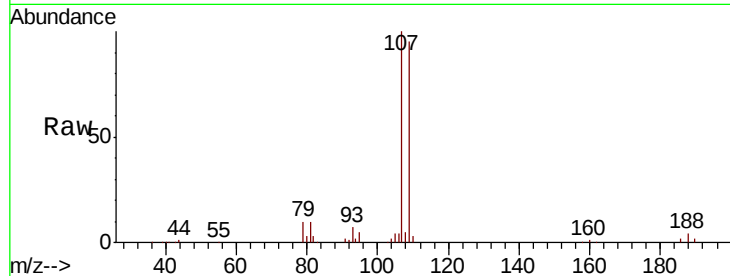




#51
 1,2-Dibromoethane
 Concen: 23.571 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW015614.D
 Acq: 17 Jun 2020 09:52

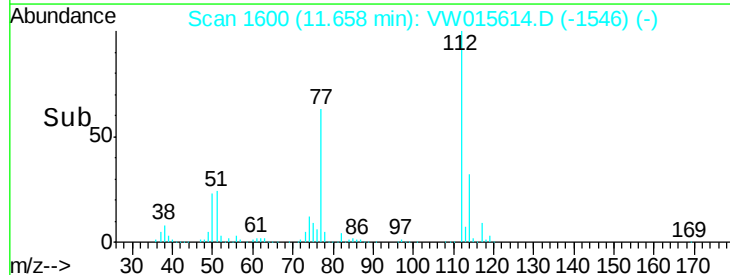
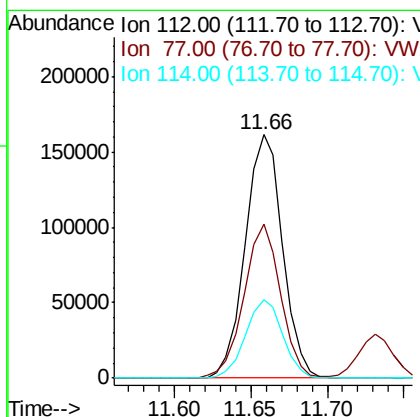
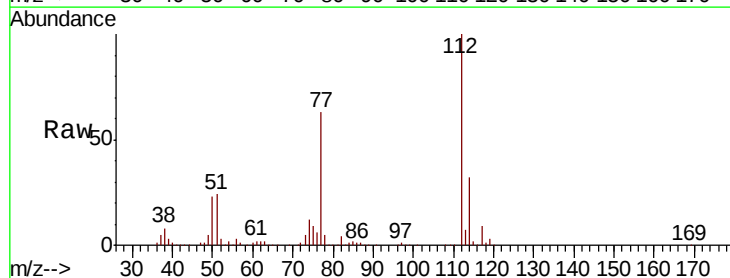
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

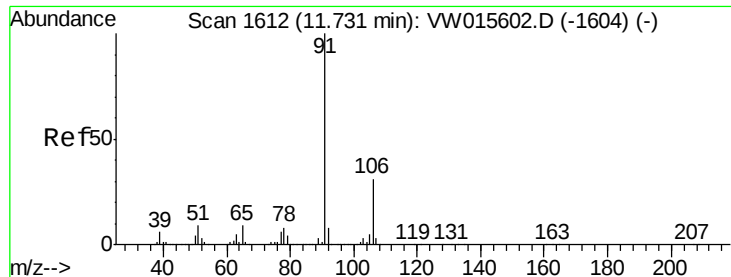
Tot Ion:107 Resp: 67220
 Ion Ratio Lower Upper
 107 100
 109 95.2 64.6 120.0
 188 4.2 2.8 4.2



#52
 Chlorobenzene
 Concen: 23.219 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW015614.D
 Acq: 17 Jun 2020 09:52

Tgt Ion:112 Resp: 273587
 Ion Ratio Lower Upper
 112 100
 77 63.5 49.7 74.5
 114 32.1 21.8 40.6

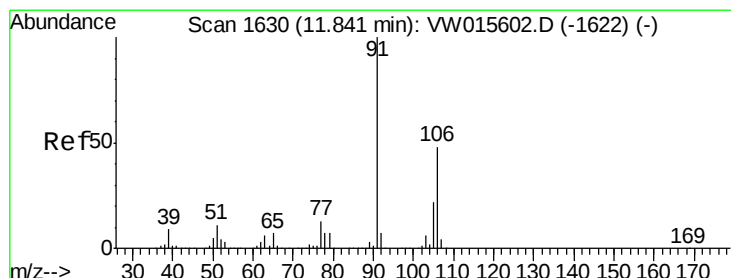
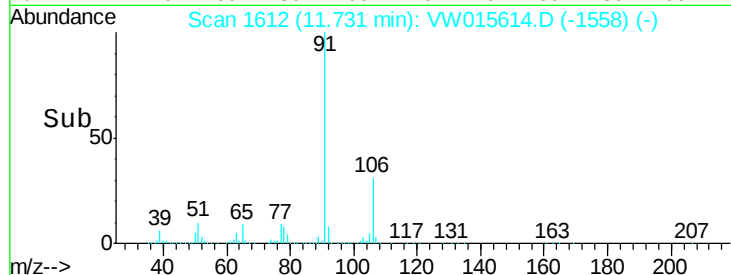
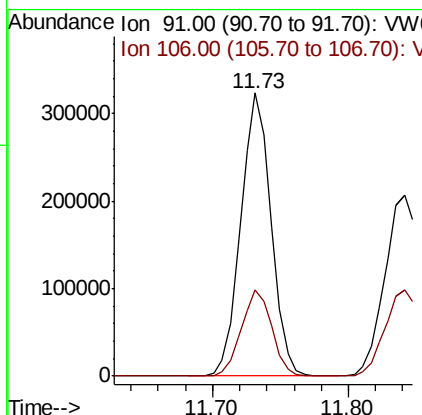
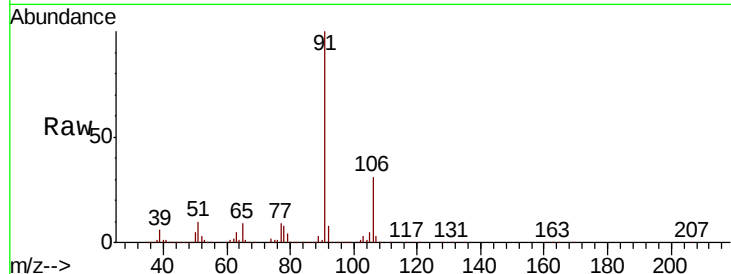




#53
Ethylbenzene
Concen: 23.288 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015614.D
Acq: 17 Jun 2020 09:52

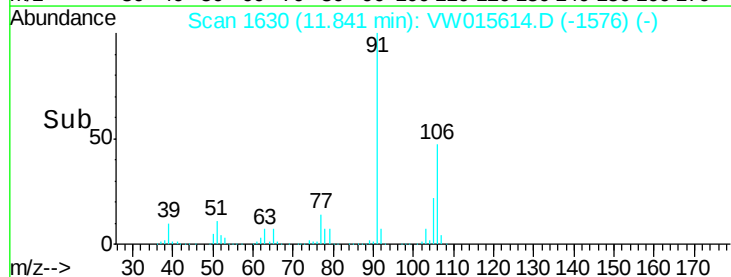
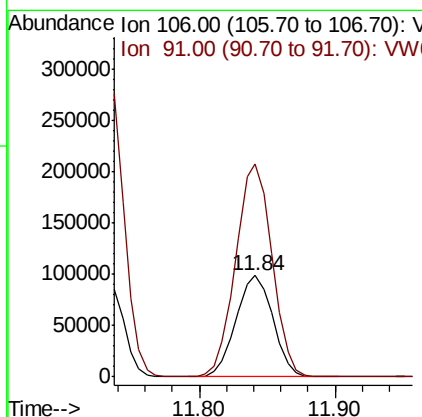
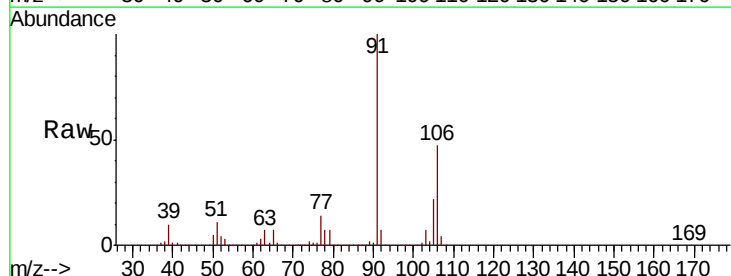
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

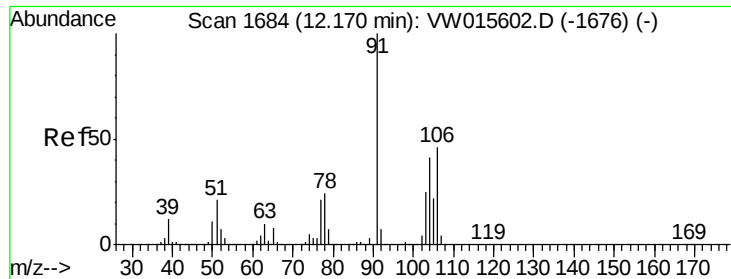
Tot Ion: 91 Resp: 502325
Ion Ratio Lower Upper
91 100
106 30.7 21.3 39.6



#54
m,p-Xylene
Concen: 23.189 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015614.D
Acq: 17 Jun 2020 09:52

Tgt Ion: 106 Resp: 187688
Ion Ratio Lower Upper
106 100
91 210.5 142.6 264.8

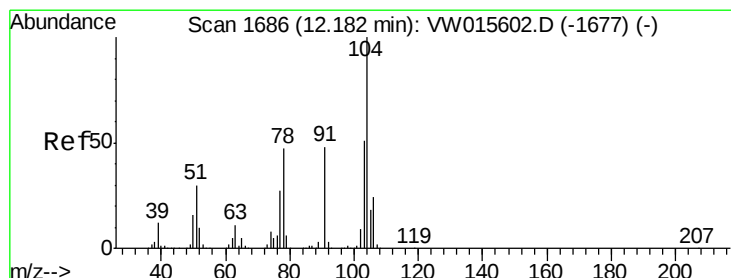
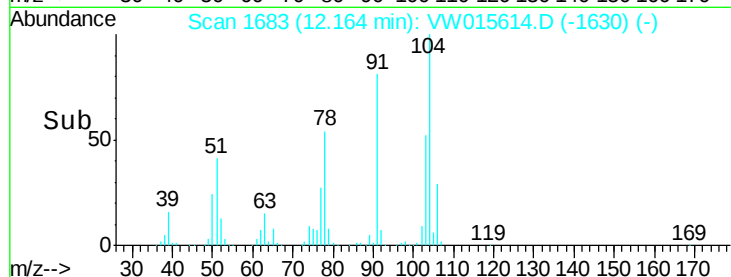
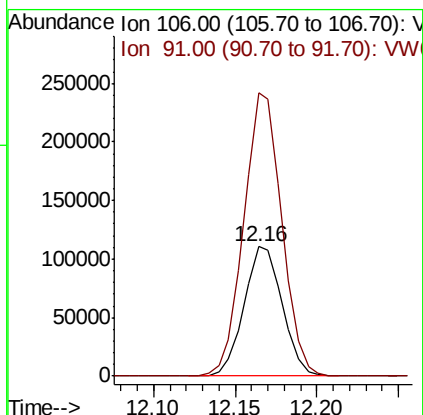
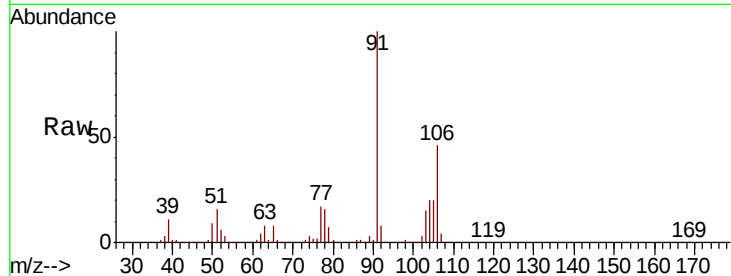




#55
o-xylene
Concen: 23.474 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW015614.D
Acq: 17 Jun 2020 09:52

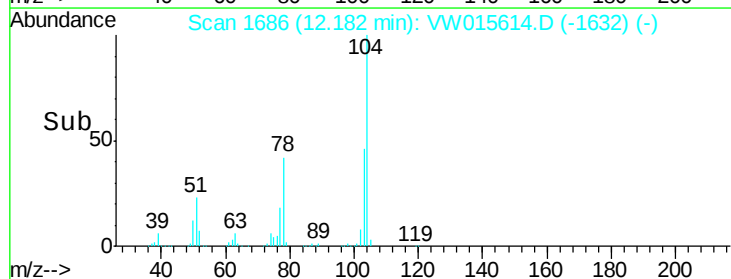
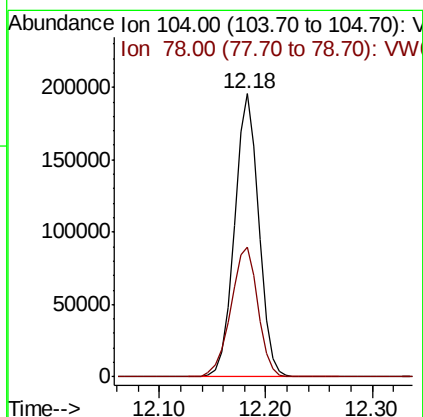
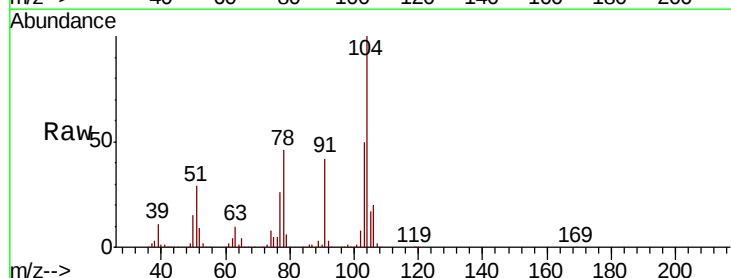
Instrument :
MSVOA_W
ClientSampled :
VSTD02510

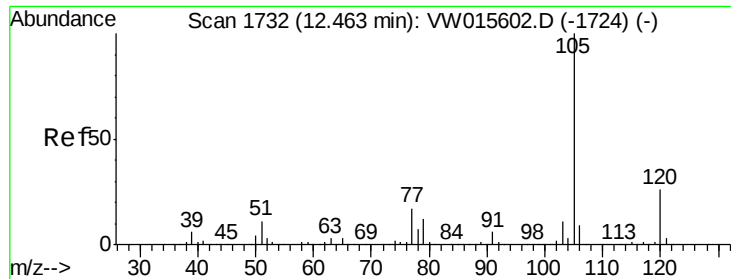
Tot Ion:106 Resp: 180349
Ion Ratio Lower Upper
106 100
91 218.2 149.0 276.6



#56
Styrene
Concen: 23.816 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015614.D
Acq: 17 Jun 2020 09:52

Tgt Ion:104 Resp: 312647
Ion Ratio Lower Upper
104 100
78 45.7 32.9 61.1





#57

Isopropylbenzene

Concen: 23.897 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015614.D

Acq: 17 Jun 2020 09:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

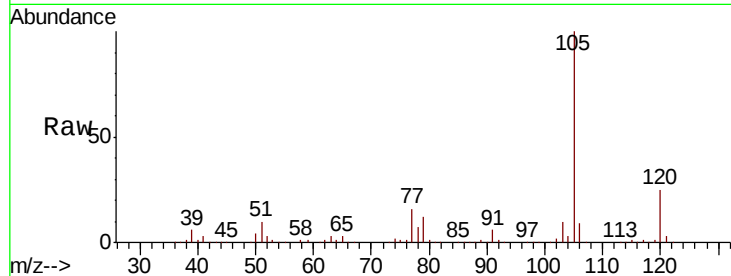
Tot Ion:105 Resp: 511445

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.4

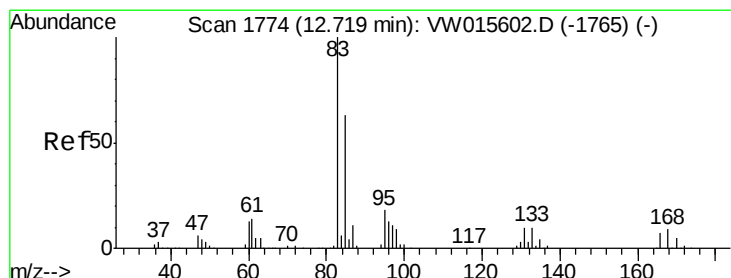
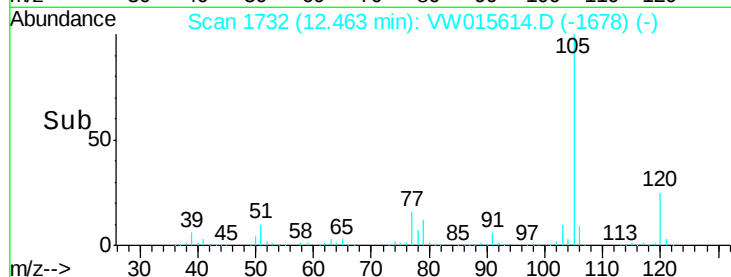
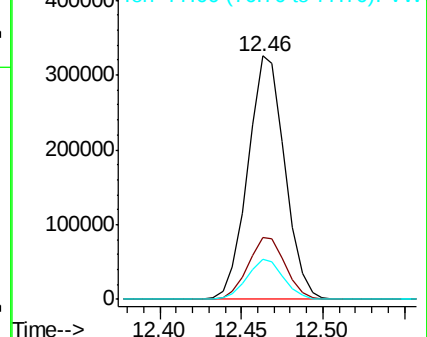
77 16.2 13.0 19.6



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: 24.735 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW015614.D

Acq: 17 Jun 2020 09:52

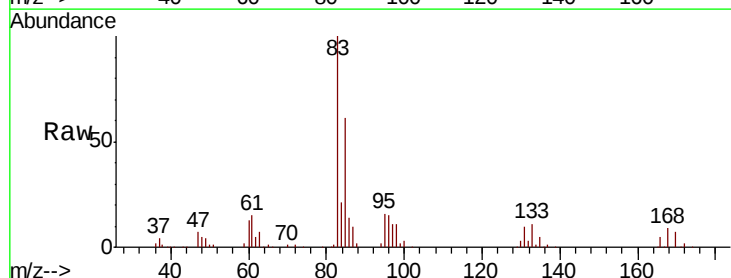
Tgt Ion: 83 Resp: 85065

Ion Ratio Lower Upper

83 100

85 61.4 44.7 82.9

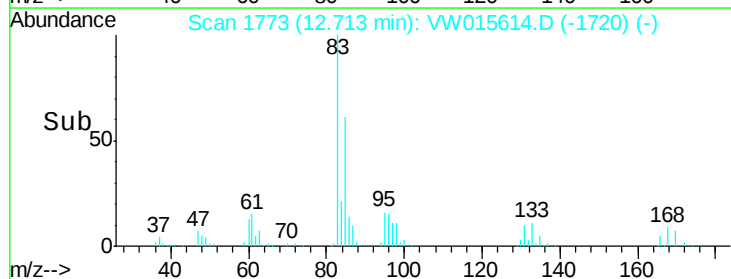
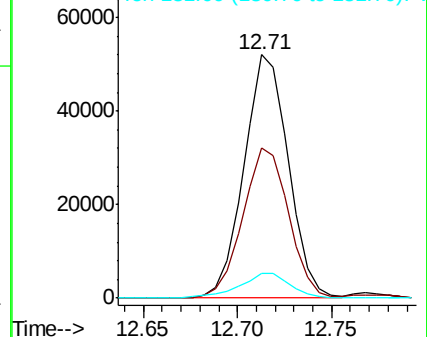
131 10.1 9.1 13.7

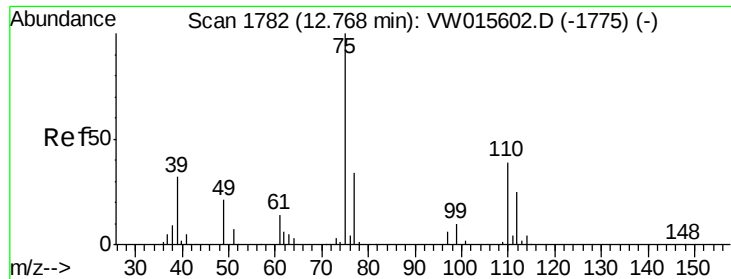


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

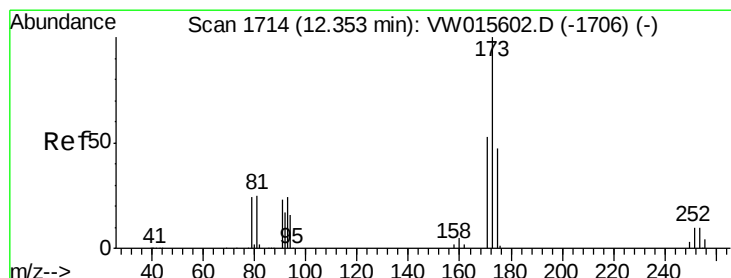
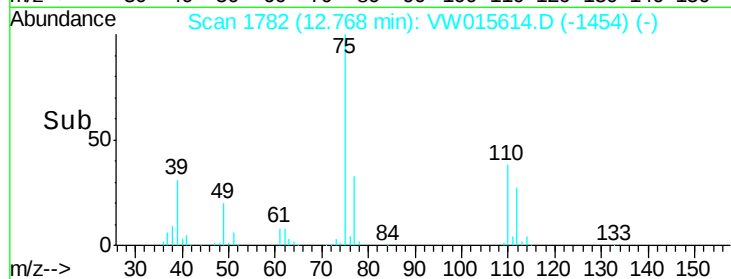
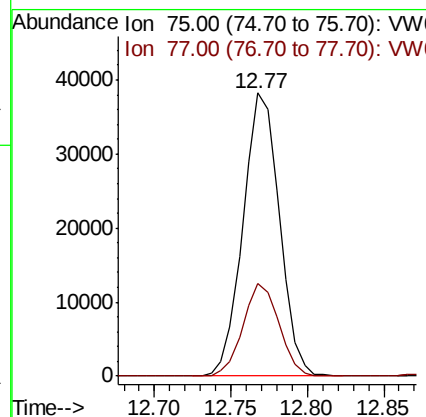
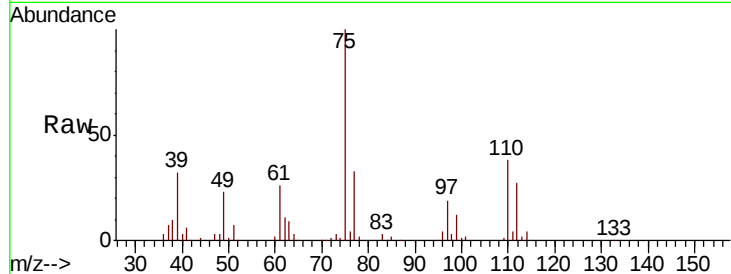




#59
 1,2,3-Trichloropropane
 Concen: 24.308 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW015614.D
 Acq: 17 Jun 2020 09:52

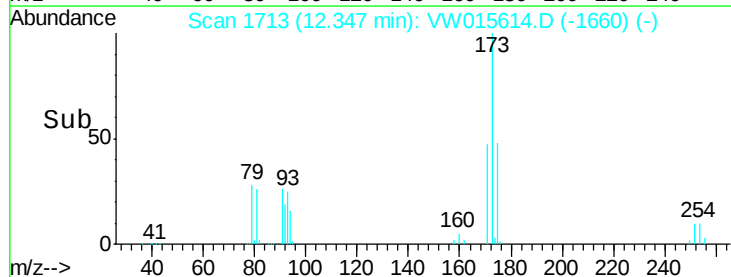
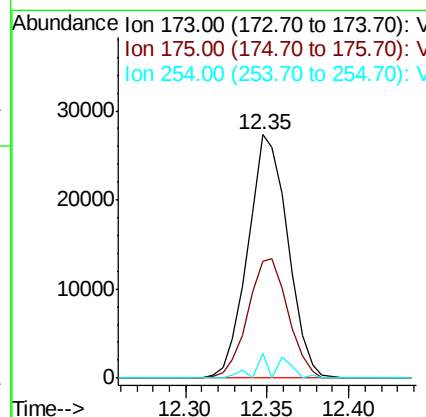
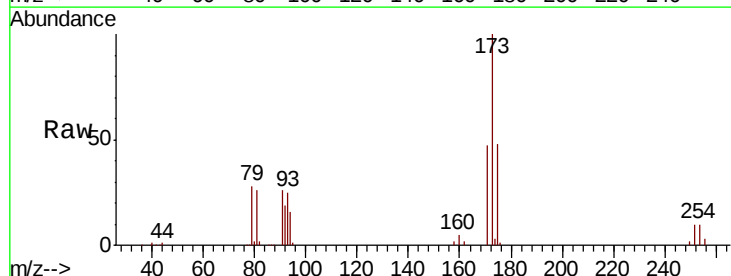
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

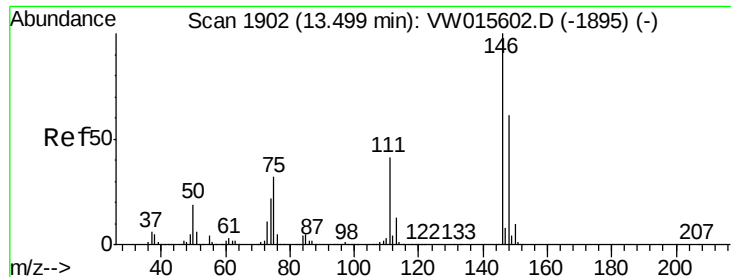
Tot Ion: 75 Resp: 63386
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.9 38.9



#62
 Bromoform
 Concen: 21.427 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: VW015614.D
 Acq: 17 Jun 2020 09:52

Tgt Ion: 173 Resp: 46604
 Ion Ratio Lower Upper
 173 100
 175 49.4 37.9 56.9
 254 2.2 6.8 10.2#





#63

1,3-Dichlorobenzene

Concen: 22.410 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015614.D

Acq: 17 Jun 2020 09:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

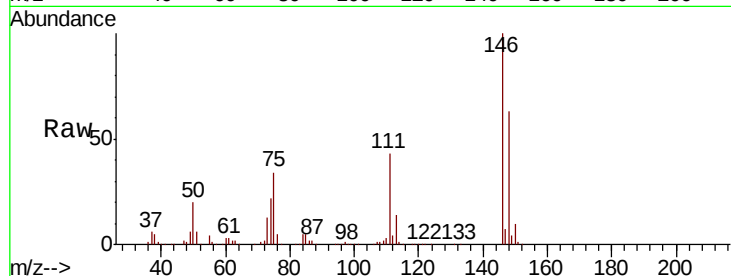
Tot Ion:146 Resp: 214072

Ion Ratio Lower Upper

146 100

111 42.6 29.3 54.5

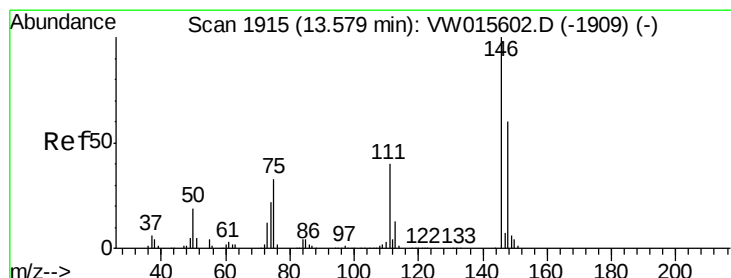
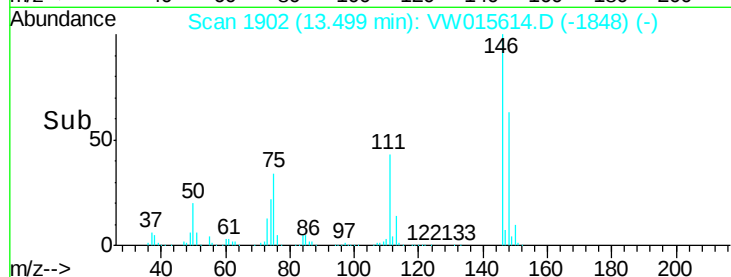
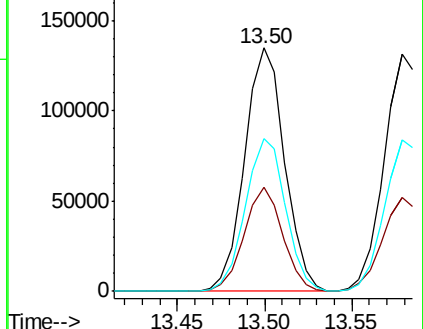
148 62.7 42.5 78.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 22.452 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW015614.D

Acq: 17 Jun 2020 09:52

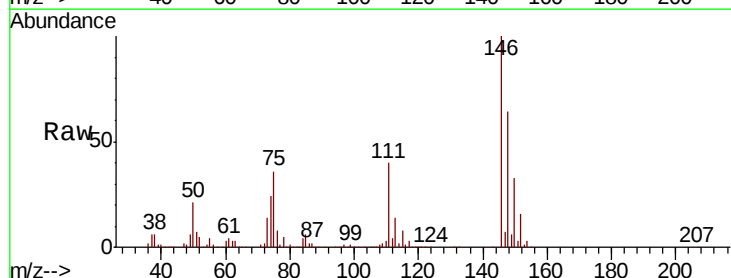
Tgt Ion:146 Resp: 210148

Ion Ratio Lower Upper

146 100

111 39.8 28.1 52.1

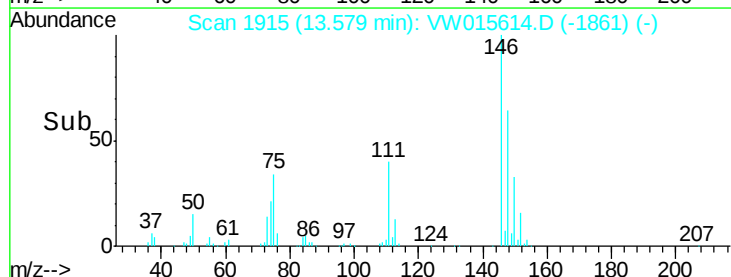
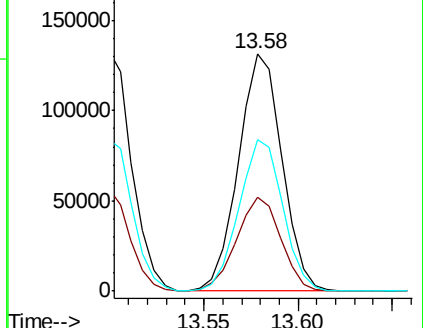
148 64.0 43.3 80.3

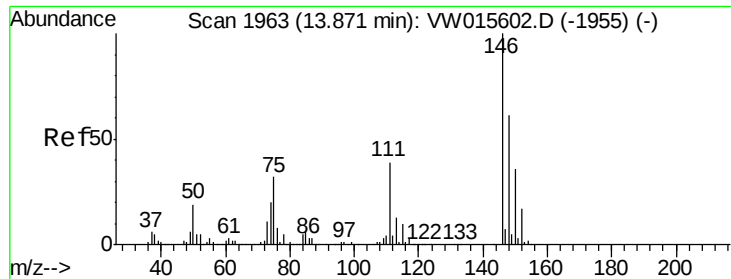


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

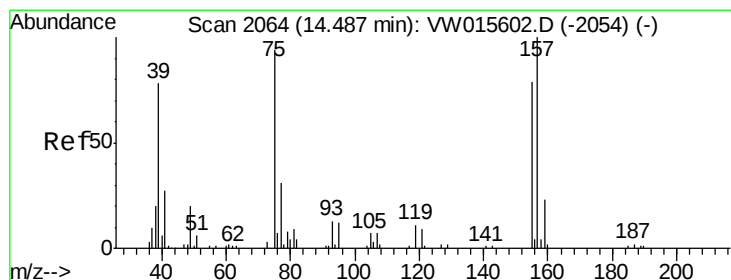
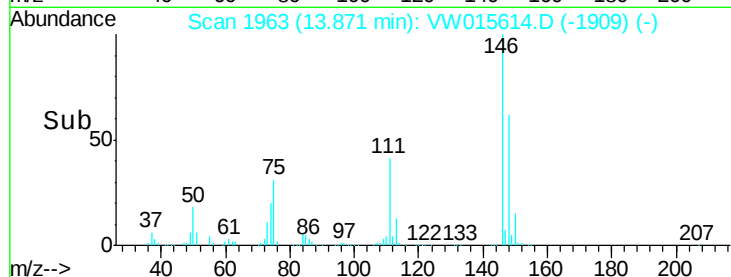
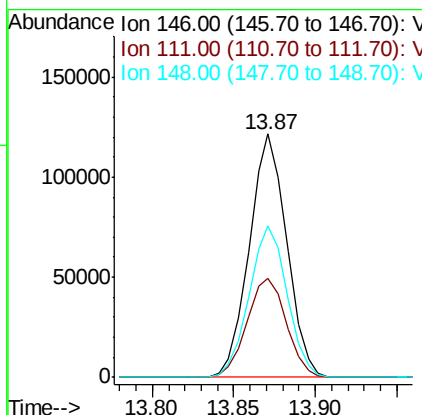
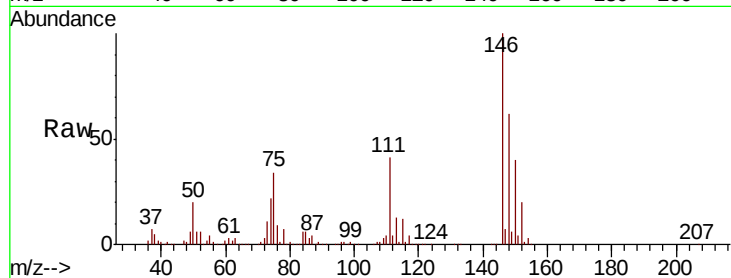




#65
 1,2-Dichlorobenzene
 Concen: 23.343 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015614.D
 Acq: 17 Jun 2020 09:52

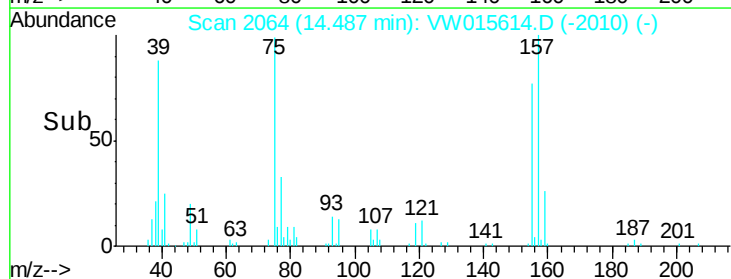
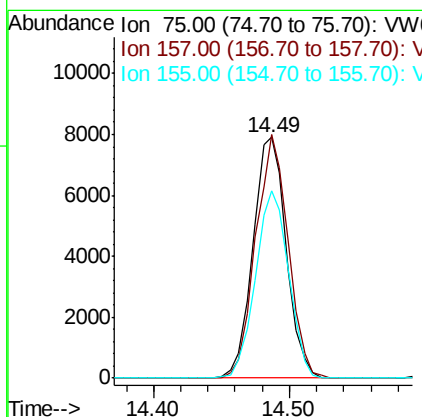
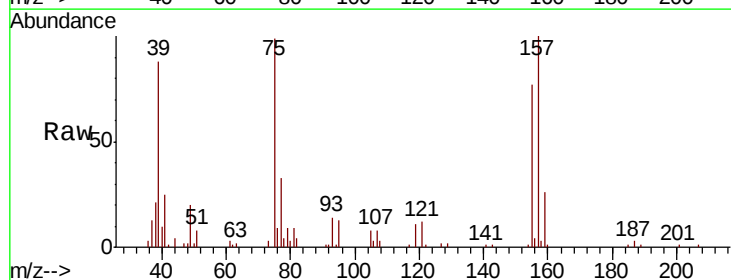
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

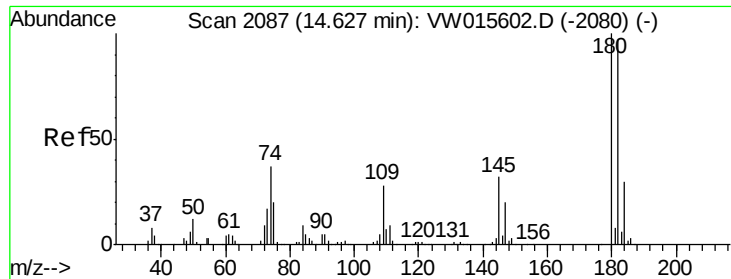
Tot Ion:146 Resp: 193769
 Ion Ratio Lower Upper
 146 100
 111 40.9 34.9 52.3
 148 62.3 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.471 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW015614.D
 Acq: 17 Jun 2020 09:52

Tgt Ion: 75 Resp: 13521
 Ion Ratio Lower Upper
 75 100
 157 101.1 87.4 131.0
 155 77.5 64.6 96.8

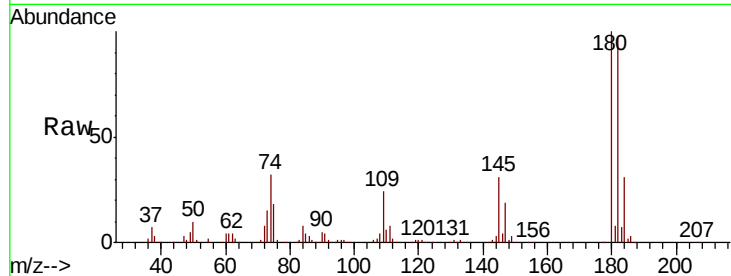




#67
 1,3,5-Trichlorobenzene
 Concen: 22.944 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW015614.D
 Acq: 17 Jun 2020 09:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.6	114.8
184	29.2	24.4	36.6
145	30.6	24.0	36.0

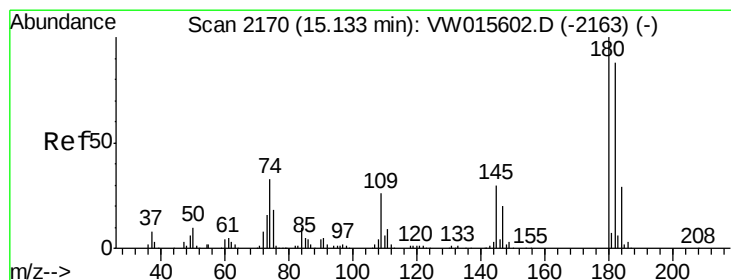
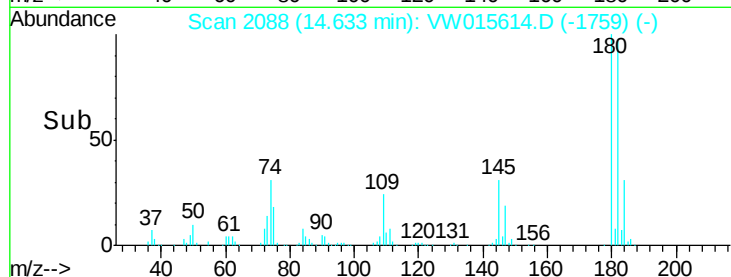
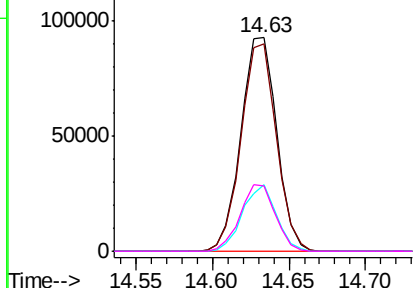


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

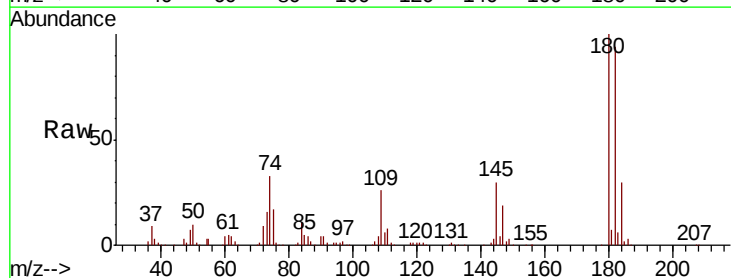
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 22.207 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015614.D
 Acq: 17 Jun 2020 09:52

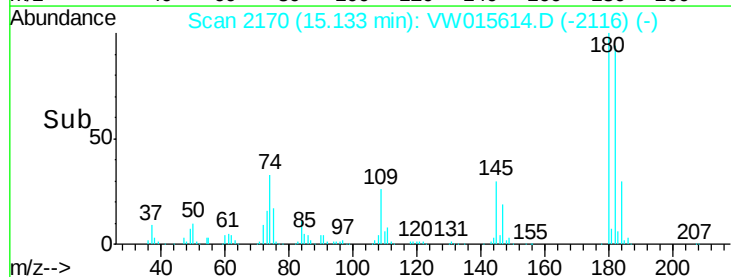
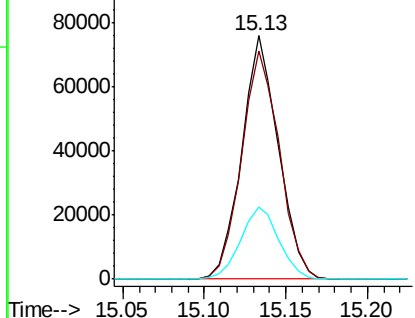
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.1	114.1
145	31.0	25.2	37.8

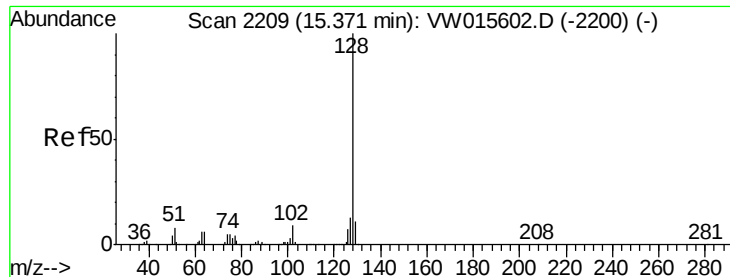


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 22.429 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015614.D

Acq: 17 Jun 2020 09:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

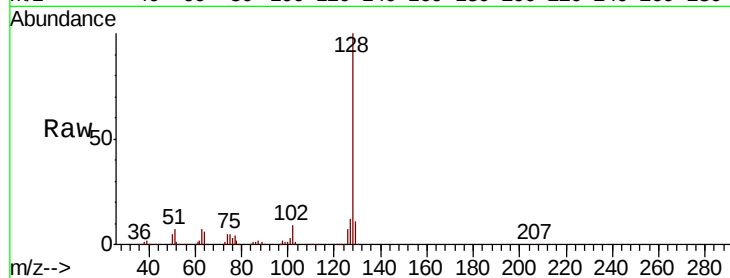
Tot Ion:128 Resp: 216921

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

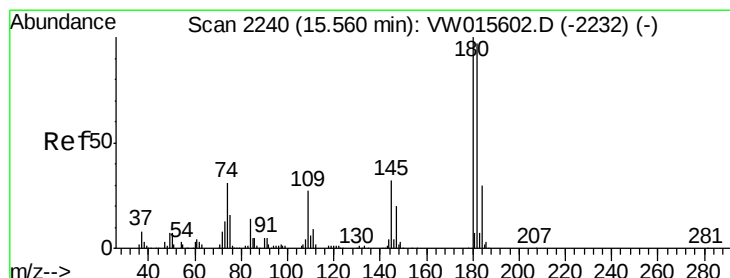
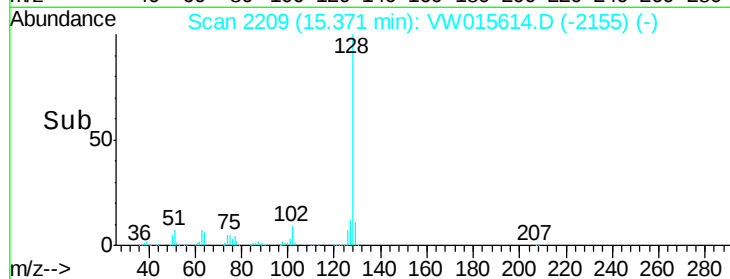
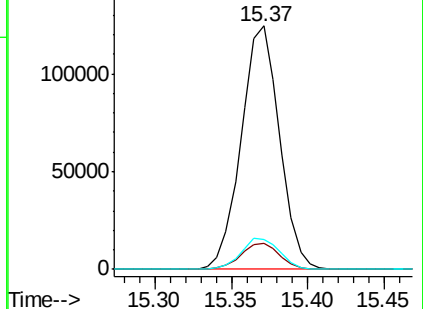
127 12.9 10.6 15.8



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: 22.356 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015614.D

Acq: 17 Jun 2020 09:52

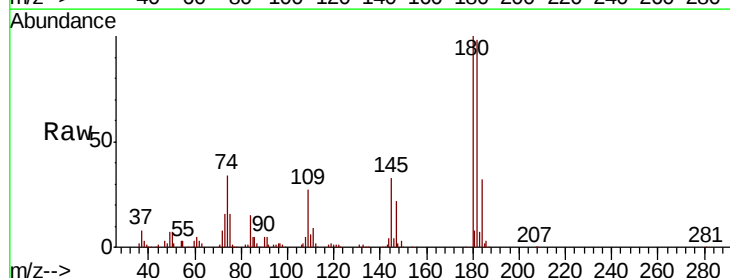
Tgt Ion:180 Resp: 101308

Ion Ratio Lower Upper

180 100

182 97.9 75.4 113.2

145 33.6 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

